GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358380,5 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-1-2009	EASTING:	451538 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	137m
START DATE:	July10th 2009	Line 6+00; Station 7+37,5N		CORE SIZE:	NQ
FINISH DATE:	July 11th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation: Sulphide			Mineralisation: Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**3,00**	3,00	**OB**																	**Casing/Overburden**
3,00	**137,00**	**134,00**											**EP**							**Granite. Equigranular; coarse-grained. Comp.: Quartz (20%); Plagio (30%); Kspar (20%); Hornblende/chlorite (30%)**
																				Pervasive epidote alteration giving the rock a light yellowish-green color.
5,00	5,70													PY	1					Zone with micro-fractures and calcite-hematite-pyrite veinlets. Tr-1% pyrite. TCA: 15
5,70	6,05																			Silica-calcite alteration associated with calcite-chlorite veinlets. TCA: 50
6,45	6,45																			Calcite-pyrite-chlorite veinlets with silica alteration/leaching along the edges (5cm wide). TCA: 40
7,65	7,65																			Micro-fractures with a 1cm-wide leached edges. TCA: 30
9,10	9,35													PY	1					Micro-fractures with a 4cm-wide silicate-pyrite-calcite alteration zone along the edges. TCA: 20. 1% pyrite
9,45	9,60													PY	1					Micro-fractures with a 4cm-wide silicate-pyrite-calcite alteration zone along the edges. TCA: 20. 1% pyrite
11,64	11,65																			A 1cm-thick quartz-chlorite vein + hematite-goethite along micro-fractures; TCA: 60.
12,55	14,60																			Zone with several micro-fractures with calcite-hematite/goethite associated. Average TCA: 20.
14,75	15,00																			Broken cores
15,65	16,18													PY	3					Low-angle quartz-pyrite-chlorite veinlets with a pluri-cm wide leaching/silica alteration zone along the edges; TCA: 15. 2-3% pyrite
16,38	16,53													PY	3					Low-angle quartz-pyrite-chlorite veinlets with a pluri-cm wide leaching/silica alteration zone along the edges; TCA: 15. 2-3% pyrite
17,14	17,20													PY	10					Quartz-pyrite-calcite (pink) vein (2cm-thick) with pyrite-silica alteration zone along the edges (pluri-cm wide); TCA: 20. 10% pyrite
17,75	17,76													PY	5					Quartz-pyrite veinlets with a pluri-cm wide silica-pyrite alteration zone along the edges; TCA: 10. 5% pyrite
18,40	19,60													PY	1					Zone of micro-fractures/calcite veinlets with silica alteration along the edges (2-3 cm-wide). Tr-1% Pyrite. TCA: 25
22,23	22,25													PY	1					Silica alteration zone (2-3 cm-wide) associated with calcite-pyrite veinlets (TCA: 35). 1% pyrite
22,62	22,62													PY	1					Silica alteration zone (2-3 cm-wide) associated with calcite-pyrite veinlets (TCA: 15). 1% pyrite
24,30	24,30													PY	1					Silica alteration zone (2-3 cm-wide) associated with calcite-pyrite veinlets (TCA: 35). 1% pyrite
24,45	24,45													PY	1					Silica alteration zone (2-3 cm-wide) associated with calcite-pyrite veinlets (TCA: 55). 1% pyrite
24,66	24,69													PY	1					Quartz-chlorite-calcite-hematite-(pyrite) vein. TCA: 70. 1% pyrite
27,00	28,90													PY	1					Down-dip micro-fractures with calcite-hematite-chlorite-pyrite-silica-rich alteration zone along the edges (2-3cm-wide). Tr-1% pyrite
29,60	30,70													PY	1					Down-dip micro-fractures with calcite-hematite-chlorite-pyrite-silica-rich alteration zone along the edges (2-3cm-wide). Tr-1% pyrite
30,70	31,40													PY	15					Quartz-pyrite vein with pyrite-calcite-silica pluri-cm wide alteration zone along the edges. 10-15% pyrite.
32,00	33,20													PY	tr					Zone with micro-fractures (~10 per meter) and/or calcite micro-veins with silica-(pyrite) cm-wide alteration zone along the edges. Tr. PY.
33,30	36,30													PY						Almost pervasive silica-calcite-pyrite alteration zone along quartz-calcite-pyrite pluri-mm to cm-thick veins (down-dip)
34,15	34,65													PY	SM					Semi-massive pyrite vein, with quartz. Down-dip.
35,00	36,35													PY						Pervasive silica-calcite-pyrite alteration zone along quartz-calcite-pyrite pluri-mm to cm-thick veins (down-dip)
37,70	39,20													PY	tr					Zone with calcite-hematite alteration along fractures; Average TCA: 40. Tr. PY.
42,25	42,65													PY	tr					Zone with calcite-hematite alteration along fractures; Average TCA: 25. Tr. PY.
45,60	45,60																			Hematite-calcite veinlets with silica alteration on the edges (cm-wide). TCA: 50
46,75	49,10																			Gradational contact with a granite with higher proportion of Kspar (giving the rock a pinkish color) and less epidote
50,95	51,00																			Hematite-calcite veinlets with silica alteration on the edges (cm-wide). TCA: 60
51,80	53,70																			Contact with a granite with higher proportion of Kspar (giving the rock a pinkish color) and less epidote
55,30	55,30																			Calcite veinlets, no significant alteration associated. TCA: 15
57,00	59,60																			Pervasive hematite-calcite alteration (5-10% calcite) giving the rock a dark pink-reddish color.
58,08	58,20																			Calcite down-dip vein
59,60	62,00																			Zone with a weak but pervasive calcite alteration, locally silica
63,00	67,00																			Zone with calcite-hematite veinlets/fractures (2-3 per meter). TCA: from 10 to 45
67,55	67,72																			QFP(?) dyke or large xenolith.
68,45	68,50													PY	1					Pyrite-silica moderate alteration, 1% pyrite
70,25	71,85																			Zone with quartz-(calcite) vein network and/or silica pervasive alteration.
71,85	74,85													PY	15					Pervasive quartz-pyrite-calcite-(carbonate) alteration. 2-3% pyrite (up to 15%)

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358380,5 N, NAD83	**AZIMUTH:**	0
HOLE NO:	CAR-1-2009	**EASTING:**	451538 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	137m
START DATE:	July10th 2009	**Line 6+00; Station 7+37,5N**		**CORE SIZE:**	NQ
FINISH DATE:	July 11th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
76,75	79,50																			Down-dip calcite-hematite mm-thick veins
80,90	94,00																			Zone of micro-fractures/veins with hematite-calcite (2-3 per meter; TCA: 10 to 45).
91,92	92,16																			Down-dip rusty calcite vein
94,00	95,40																			Zone of micro-fractures with silica alteration along the edges (1-3 cm-wide). TCA: 70
96,20	96,20																			Quartz vein with a 3cm-wide silica alteration zone along the edges. TCA: 25.
96,75	97,60																			Zone of calcite micro-veins with silica alteration along the edges (1-3 cm-wide). TCA: 40
99,80	100,40																			Pervasive silica alteration associated with calcite veinlet/micro-fractures. TCA: 35
101,25	101,35																			Pervasive silica alteration associated with quartz-chlorite-calcite veinlets. TCA: 50
103,00	104,30																			Kspar-quartz-rich granite with no or only a weak epidotization. Sharp contact (dyke?)
105,80	105,81													CPY	1					1cm-thick quartz-chlorite vein, 2% pyrite; tr-1% Chalcopyrite; TCA: 70
109,13	109,15																			Quartz-calcite vein with a pluri-cm wide silica alteration zone. TCA: 25
110,37	110,38																			Quartz-calcite vein with a pluri-cm wide silica alteration zone. TCA: 75
111,00	120,10																			Zone of micro-fractures (2-4 per meter; TCA: ~60) with 2-3cm-wide silica alteration zones along edges. Locally calcite-hematite associated
123,10	123,55																			Pluri-cm wide silica-(hematite/geothite) alteration zone along a 7cm-thick quartz-calcite-chlorite vein @123,23m; TCA: 70
123,55	124,85																			Down-dip rusty micro-fracture with silica-geothite alteration zone (2cm-wide)
127,05	127,05																			A micro-fracture (TCA: 60) with a 2-3cm-wide silica alteration zones along the edges.
130,00	130,65																			Zone of micro-fractures (TCA: 60) with 2-3cm-wide silica alteration zones along edges.
132,45	132,45																			Quartz veinlet, no significant alteration associated. TCA: 25
132,50	132,50																			Micro-fracture with a 2-3cm-wide silica alteration zone. TCA: 60.
136,55	137,00																			Micro-fractures/calcite veinlets with cm-wide silica alteration zone along edges. TCA: 10)
EOH																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358380,5 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-1-2009	**EASTING:**	451538 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	137m
START DATE:	July10th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 11th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																																		
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543808	9.00	10.00	1.00		H543808	0.02	0	0	0	0.02	<0.20	1.29	<2.00	110	<2.00	1.02	<0.50	10	17	41	2.33	0.54	20	0.84	331	2	0.04	15	700	2	<2.00	0	40	0.17	<10.00	42	<10.00	0	48
H543809	15.60	16.60	1.00		H543809	0.23	0	0	0	0.23	<0.20	1.25	8	60	<2.00	1.45	<0.50	9	14	30	2.46	0.3	20	0.74	349	<1.00	0.04	13	650	<2.00	<2.00	0	39	0.12	<10.00	32	<10.00	0	46
H543810	16.60	17.60	1.00		H543810	1.45	0	0	0	1.45	0.7	1.07	49	50	<2.00	1.16	<0.50	11	13	59	3.23	0.22	20	0.66	303	<1.00	0.03	12	630	2	<2.00	0	30	0.1	<10.00	26	<10.00	0	40
H543811	17.60	18.30	0.70		H543811	<0.01	0	0	0	0	<0.20	1.34	4	50	<2.00	1.24	<0.50	10	16	22	2.56	0.18	20	0.83	367	<1.00	0.04	14	700	<2.00	<2.00	0	47	0.13	<10.00	35	<10.00	0	51
H543812	18.30	19.60	1.30		H543812	<0.01	0	0	0	0	<0.20	1.51	4	60	<2.00	1.79	<0.50	11	20	12	2.71	0.35	30	0.97	404	<1.00	0.04	18	790	<2.00	<2.00	0	49	0.15	<10.00	41	<10.00	0	60
H543813	22.00	23.00	1.00		H543813	0.01	0	0	0	0.01	<0.20	1.38	5	110	<2.00	1.34	<0.50	10	15	4	2.42	0.46	20	0.85	355	<1.00	0.05	14	690	2	4	0	49	0.15	<10.00	43	<10.00	0	54
H543814	24.25	24.75	0.50		H543814	<0.01	0	0	0	0	<0.20	1.27	2	100	<2.00	1.04	<0.50	9	15	12	2.26	0.46	20	0.82	311	1	0.04	13	690	<2.00	2	0	43	0.14	<10.00	40	<10.00	0	49
H543815	27.00	28.00	1.00		H543815	<0.01	0	0	0	0	0.2	1.32	7	60	<2.00	1.35	<0.50	10	15	15	2.43	0.23	20	0.86	353	<1.00	0.05	13	720	<2.00	2	0	47	0.14	<10.00	39	<10.00	0	55
H543816	28.00	29.00	1.00		H543816	0.01	0	0	0	0.01	<0.20	1.26	6	70	<2.00	1.28	<0.50	10	15	23	2.46	0.31	20	0.83	340	<1.00	0.03	14	730	<2.00	3	0	41	0.12	<10.00	37	<10.00	0	52
H543817	29.00	29.60	0.60		H543817	<0.01	0	0	0	0	<0.20	1.33	<2.00	60	<2.00	1.3	<0.50	8	15	5	2.27	0.28	20	0.84	344	<1.00	0.04	14	710	<2.00	<2.00	0	55	0.13	<10.00	41	<10.00	0	52
H543818	29.60	30.60	1.00		H543818	0.01	0	0	0	0.01	0.3	1.22	7	50	<2.00	1.88	<0.50	8	14	55	2.35	0.17	20	0.76	394	<1.00	0.03	14	760	<2.00	<2.00	0	35	0.11	<10.00	28	<10.00	0	49
H543819	30.60	31.40	0.80		H543819	0.75	0	0	0	0.75	0.7	1.18	107	60	3	3.29	<0.50	17	8	98	4.47	0.22	10	0.66	508	<1.00	0.02	12	720	<2.00	2	0	53	0.06	<10.00	20	<10.00	0	44
H543820	32.10	33.30	1.20		H543820	<0.01	0	0	0	0	0.2	1.29	3	40	<2.00	1.46	<0.50	9	18	9	2.42	0.18	30	0.81	349	1	0.04	14	740	<2.00	<2.00	0	46	0.13	<10.00	38	<10.00	0	52
H543821	33.30	34.00	0.70		H543821	0.02	0	0	0	0.02	<0.20	1.3	10	60	<2.00	2.59	<0.50	8	25	58	2.6	0.19	20	0.72	441	1	0.04	17	750	<2.00	<2.00	0	40	0.1	<10.00	24	<10.00	0	48
H543822	34.00	34.70	0.70		H543822	>10.00	0	13	0	13	5	0.66	334	50	16	3.4	<0.50	39	6	166	7.83	0.21	20	0.29	283	<1.00	0.01	14	530	6	<2.00	0	31	0.03	<10.00	6	<10.00	0	27
H543823	34.70	35.70	1.00		H543823	0.01	0	0	0	0.01	0.2	1.42	15	50	<2.00	2.8	<0.50	9	21	48	2.84	0.18	20	0.83	482	<1.00	0.04	18	740	<2.00	<2.00	0	48	0.09	<10.00	30	<10.00	0	54
H543824	35.70	35.70	0.00	Blk																																			
H543825	35.70	35.70	0.00	Std																																			
H543826	35.70	36.35	0.65		H543826	0.01	0	0	0	0.01	<0.20	1.35	8	50	<2.00	2.24	<0.50	11	18	50	2.9	0.15	30	0.8	449	<1.00	0.04	15	740	<2.00	<2.00	0	50	0.09	<10.00	33	<10.00	0	54
H543827	58.00	59.00	1.00		H543827	<0.01	0	0	0	0	<0.20	1.64	2	20	<2.00	1.36	<0.50	11	20	<1.00	3.69	0.06	20	1.75	368	<1.00	0.06	18	860	<2.00	<2.00	0	14	0.11	<10.00	46	<10.00	0	44
H543828	69.85	70.85	1.00		H543828	0.01	0	0	0	0.01	<0.20	1.39	12	30	<2.00	1.23	<0.50	11	18	4	2.56	0.08	30	0.9	425	<1.00	0.06	16	720	<2.00	<2.00	0	55	0.13	<10.00	38	<10.00	0	51
H543829	70.85	71.85	1.00		H543829	0.05	0	0	0	0.05	<0.20	1.36	11	30	<2.00	1.76	<0.50	9	18	12	2.61	0.08	20	0.88	428	<1.00	0.04	15	720	<2.00	<2.00	0	48	0.11	<10.00	41	<10.00	0	53
H543830	71.85	72.85	1.00		H543830	0.03	0	0	0	0.03	0.2	1.36	23	50	<2.00	1.83	<0.50	12	17	110	3.19	0.17	30	0.78	409	<1.00	0.04	15	750	6	<2.00	0	21	0.08	<10.00	22	<10.00	0	47
H543831	72.85	73.85	1.00		H543831	0.17	0	0	0	0.17	0.5	1.05	55	40	2	0.94	<0.50	14	14	144	3.29	0.19	20	0.57	300	<1.00	0.02	12	620	3	<2.00	0	10	0.03	<10.00	11	<10.00	0	38
H543832	73.85	74.85	1.00		H543832	0.89	0	0	0	0.89	0.8	1.23	38	60	2	1.94	<0.50	9	15	72	3.12	0.22	20	0.64	415	<1.00	0.03	14	700	<2.00	<2.00	0	26	0.07	<10.00	16	<10.00	0	45
H543833	91.80	92.40	0.60		H543833	<0.01	0	0	0	0	<0.20	1.24	6	30	<2.00	1.29	<0.50	11	19	23	2.45	0.05	20	0.92	404	<1.00	0.04	16	750	3	<2.00	0	56	0.13	<10.00	41	<10.00	0	63
H543834	94.00	95.00	1.00		H543834	<0.01	0	0	0	0	<0.20	1.37	4	50	<2.00	1.76	<0.50	10	19	5	2.59	0.14	30	0.81	406	<1.00	0.05	15	750	<2.00	<2.00	0	63	0.13	<10.00	30	<10.00	0	54
H543835	95.00	96.00	1.00		H543835	0.01	0	0	0	0.01	<0.20	1.3	5	70	<2.00	1.15	<0.50	10	19	7	2.27	0.31	20	0.8	341	<1.00	0.04	16	740	<2.00	<2.00	0	69	0.15	<10.00	33	<10.00	0	55
H543836	96.00	97.00	1.00		H543836	<0.01	0	0	0	0	<0.20	1.37	3	50	<2.00	1.68	<0.50	10	19	6	2.56	0.16	30	0.85	418	<1.00	0.06	15	730	<2.00	<2.00	0	66	0.14	<10.00	33	<10.00	0	58
H543837	97.00	98.00	1.00		H543837	<0.01	0	0	0	0	<0.20	1.31	2	50	<2.00	1.49	<0.50	10	18	7	2.49	0.15	30	0.86	395	1	0.04	16	740	<2.00	<2.00	0	56	0.13	<10.00	31	<10.00	0	57
H543838	105.00	106.00	1.00		H543838	<0.01	0	0	0	0	<0.20	1.22	11	60	<2.00	1.93	<0.50	8	14	41	2.2	0.22	30	0.7	378	<1.00	0.05	19	660	<2.00	<2.00	0	64	0.11	<10.00	26	<10.00	0	46
H543839	109.00	109.50	0.50		H543839	<0.01	0	0	0	0	<0.20	1.47	7	90	<2.00	1.82	<0.50	14	19	7	2.78	0.41	30	0.94	455	<1.00	0.04	18	790	<2.00	<2.00	0	65	0.14	<10.00	37	<10.00	0	62
H543840	109.50	110.50	1.00		H543840	<0.01	0	0	0	0	<0.20	1.46	3	100	<2.00	1.27	<0.50	10	20	14	2.52	0.47	20	0.88	377	<1.00	0.05	17	750	<2.00	<2.00	0	67	0.16	<10.00	39	<10.00	0	59
H543841	116.00	117.00	1.00		H543841	<0.01	0	0	0	0	<0.20	1.39	4	100	<2.00	1.34	<0.50	11	18	6	2.57	0.44	20	0.89	379	1	0.05	17	740	<2.00	<2.00	0	58	0.15	<10.00	41	<10.00	0	56
H543842	117.00	118.00	1.00		H543842	<0.01	0	0	0	0	<0.20	1.34	2	140	<2.00	0.98	<0.50	10	17	8	2.34	0.56	20	0.86	339	<1.00	0.04	15	730	<2.00	<2.00	0	50	0.14	<10.00	38	<10.00	0	55
H543843	123.10	124.15	1.05		H543843	<0.01	0	0	0	0	0.2	1.29	<2.00	120	<2.00	2.32	<0.50	9	17	5	2.55	0.13	20	0.82	456	1	0.05	15	700	<2.00	<2.00	0	46	0.14	<10.00	32	<10.00	0	50
H543844	124.15	125.00	0.85		H543844	<0.01	0	0	0	0	<0.20	1.57	<2.00	60	2	1.53	<0.50	13	21	17	3.09	0.21	30	1.14	479	1	0.04	21	900	<2.00	<2.00	0	51	0.16	<10.00	49	<10.00	0	67
H543845	130.00	131.00	1.00		H543845	0.08	0	0	0	0.08	<0.20	1.41	4	70	<2.00	1.62	<0.50	10	18	11	2.6	0.17	20	0.87	400	<1.00	0.06	15	760	<2.00	<2.00	0	61	0.15	<10.00	35	<10.00	0	60

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358416 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-2-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	140m
START DATE:	July9th 2009	Line 8+00; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:	July 10th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**2,50**	**2,50**	**OB**																	**Casing/Overburden**
2,50	**46,70**	**44,20**																		**Granite. Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.**
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				cm to pluri-cm xenoliths occur locally. Local silica-hematite alteration along micro-fractures
8,10	8,10																			A 0.5cm-thick quartz-chlorite vein (TCA: 15); presence of leucoxene (1-2%) suggesting a leached zone along the edges.
11,00	13,00																			Zone of lightly to moderate broken cores
13,30	13,70																			Quartz stringers (network-stockwerk) with minor amount of calcite. No significant alteration associated
14,55	15,15																			Down-dip quartz-calcite stringer
15,55	15,80																			Down-dip quartz-calcite stringer + silica alteration along the edges.
15,80	16,70													PY	tr					Pervasive silica alteration; tr. Pyrite
16,07	16,10																			Quartz -chlorite vein; TCA: 88.
20,80	20,80													PY	1					Calcite-chlorite micro-vein (stringer) with a 6cm-wide silica-(pyrite) alteration zone along the edges; TCA: 75. Tr-1% pyrite
22,25	22,26																			Quartz-calcite vein with a 2cm-wide silica alteration zone along the edges; TCA: 55.
25,00	25,18																			Pervasive silica alteration zone associated with micro-fractures and calcite stringers
27,20	27,48																			Pervasive silica alteration zone associated with micro-fractures and calcite stringers
27,74	27,92																			Pervasive silica alteration zone associated with micro-fractures and calcite stringers
28,44	28,45																			Quartz vein with leached edges (presence of leucoxene). TCA: 25
29,38	29,58													PY	1					Silica-(pyrite) alteration zone associated with calcite stringers and micro-fractures; 1% pyrite
30,34	30,35																			Quartz vein; TCA: 65; No significant alteration associated.
31,22	31,30																			Pervasive silica alteration zone associated with micro-fractures and calcite stringers
31,30	34,20													PY	tr					Zone rich in xenoliths (about 50%), partially digested. Tr. Pyrite
31,65	32,00																			A 2cm-thick down-dip quartz-chlorite-(calcite) vein. No significant alteration except the presence of leucoxene. (Locally Ankerite alt?)
31,90	31,93																			Quartz-chlorite vein; TCA: 88; No significant alteration associated
32,18	32,29													PY	1					Silica alteration zone associated with calcite stringers and micro-fractures; tr-1% pyrite; 1% leucoxene.
34,22	34,32																			Silica alteration zone associated with calcite stringers and micro-fractures
35,00	35,17																			Silica alteration zone associated with calcite-quartz-(hematite) stringers; TCA: 60.
36,16	36,42																			Pervasive silica alteration associated with calcite stringers; TCA: 65).
36,85	37,85																			Down-dip calcite stringers with a cm-wide silica alteration zone along the edges.
38,25	38,25																			Calcite stringers with a 3 cm-thick silica alteration zone along the edges. TCA: 80.
38,97	39,26													PY	1					Silica-(pyrite) pervasive alteration zone associated with calcite-chlorite-(pyrite) veins/stringers (TCA: 35); tr-1% pyrite
39,26	39,55													PY	tr					Silica-sericite/ankerite pervasive alteration associated with a down-dip quartz-(hem) vein. Tr. Pyrite
40,55	40,75																			Silica alteration zone associated with calcite-chlorite-(pyrite) stringers; TCA: 30; presence of leucoxene.
42,85	43,00																			Silica alteration zone associated with calcite-chlorite-(pyrite) stringers; TCA: 40; presence of leucoxene.
43,58	43,60																			Quartz-calcite-chlorite vein; TCA: 75; no significant alteration associated
44,00	44,10																			Silica alteration zone associated with calcite-chlorite-(pyrite) stringers; TCA: 70; presence of leucoxene.
44,10	44,80																			Down-dip quartz-calcite-hematite stringers with no significant alteration associated
46,70	**51,30**																			**Breccia/gabbro**
																				Fine- to medium-grained gabbro (gradational contact with previous unit). Locally brecciated and/or large proportion of xenoliths. Clasts/xenoliths are heterolithic and partially digested (including semi-massive pyrrhotite iron formation and granite).
47,00	47,45																			breccia or xenolith-rich zone
47,69	47,69																			Pluri-mm thick quartz-epidote vein; TCA: 35
47,75	48,75													PY	2					Partially digested xenolith-rich zone. Locally 2% pyrite as coarse euhedral crystals
49,36	49,39																			Quartz-plagio-chlorite vein; TCA: 25
49,80	50,05																			Granite dyke or large xenolith
50,25	50,40													PY	2					Down-dip quartz-(pyrite) vein; 2% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358416 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-2-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	140m
START DATE:	July9th 2009	Line 8+00; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:	July 10th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
50,40	50,90	Partially digested xenolith-rich zone
51,30	**56,28**	**Felsic volcanic rock/breccia**
		Light grey, fine-grained with pluri-mm quartz eyes or quartz filled voids (bubbles). Brecciated: rounded and partially digested clasts. 1-2% pyrite and pyrrhotite as finely disseminated grains and voids and fractures filling
52,19	52,20	Quartz-calcite-chlorite vein; TCA: 55
54,30	54,31	Quartz-calcite vein; TCA: 30
55,40	55,57	Iron formation xenolith (chert and semi-massive pyrrhotite); tr-1% pyrite; tr-1% chalcopyrite
56,28	**63,90**	**Iron Formation (oxide-sulphide facies)**
		Alternance of cm-thick bands of magnetite and pluri-cm thick bands of pyrrhotite and chert (±actinolite/chlorite). Locally some micro-fracture filled with calcite-pyrite and chalcopyrite. Bedding varies from 10 to 75.
58,50	58,75	Pegmatite (quartz-feldspar)
61,16	61,16	micro-fracture filled with chalcopyrite-calcite; 1% chalcopyrite
61,30	61,30	tr-1% chalcopyrite
63,90	**67,90**	**Gabbro/ brecciated**
		Fine- to medium-grained gabbro (gradational contact with previous unit). Locally brecciated and/or large proportion of xenoliths. Clasts/xenoliths are heterolithic and partially digested. Locally 1-2% pyrite
65,90	66,10	Three calcite veins; TCA: 60
67,40	67,50	Open-space fracture filled with calcite
67,90	**72,55**	**Breccia/Magnetic breccia**
		Large clasts (5 to >10cm) of gabbro floating in a dark black magnetite-pyrrhotite-rich matrix. Presence of late fractures filled with calcite
72,55	**93,35**	**Intermediate to felsic volcanic rock (volcanic breccia)**
		Breccia, some clasts are strongly sericitized. Tr-2% pyrrhotite in the matrix; locally trace of chalcopyrite.
73,74	73,75	Quartz-chlorite vein; TCA: 35; with leucoxene along the edges
77,55	80,65	Zone with 5% pyrrhotite and 1% chalcopyrite disseminated in the matrix and micro-fractures filled with pyrite-chlorite (2% pyrite).
93,35	**140,00**	**Mafic volcanic breccia and/or gabbro**
		Clasts-supported, gabbro composition but chloritized. Locally tr-1% pyrrhotite, tr. Chalcopyrite
109,65	109,85	Zone with 10% pyrrhotite; 2-3% chalcopyrite
111,22	111,23	Quartz vein with leucoxene along the edges; TCA: 25
111,42	111,43	Quartz vein with leucoxene along the edges; TCA: 20
113,30	121,70	Zone with cm-thick quartz-(calcite) veins (~3 veins per meter). No significant alteration associated except leucoxene-chlorite along the edges; TCA: from 20 to 25
123,21	123,22	Quartz vein; TCA: 60; No significant alteration associated
130,56	130,60	Calcite veining; TCA: 80
132,65	133,25	Calcite veining network and/or breccia cement. No mineralization associated
138,40	138,78	Granite dyke; TCA: 60
EOH		

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358416 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-2-2009	**EASTING:**	451753 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	140m
START DATE:	July9th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 10th 2009				

Assay Results

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
H543790	13.00	14.00	1.00		H543790	<0.01	0	0	0	0	<0.20	1.45	<2.00	10	<2.00	0.81	<0.50	10	20	2	2.52	0.07
H543791	15.50	16.70	1.20		H543791	<0.01	0	0	0	0	<0.20	1.36	2	30	<2.00	2.72	<0.50	9	16	8	2.6	0.14
H543792	31.30	32.30	1.00		H543792	<0.01	0	0	0	0	<0.20	1.71	2	40	<2.00	1.8	<0.50	13	24	16	3.31	0.31
H543793	38.90	39.70	0.80		H543793	<0.01	0	0	0	0	<0.20	1.1	2	40	<2.00	1.72	<0.50	8	13	10	2.12	0.18
H543794	50.05	50.90	0.85		H543794	<0.01	0	0	0	0	<0.20	3.05	2	<10.00	<2.00	1.1	<0.50	21	13	35	7.12	0.03
H543795	51.80	52.40	0.60		H543795	<0.01	0	0	0	0	<0.20	3.44	<2.00	<10.00	<2.00	1.15	<0.50	50	81	232	8.65	0.06
H543796	59.00	60.00	1.00		H543796	<0.01	0	0	0	0	0.2	1.6	5	60	<2.00	1.54	<0.50	40	64	357	9.25	0.22
H543797	61.00	62.00	1.00		H543797	<0.01	0	0	0	0	<0.20	0.43	<2.00	<10.00	<2.00	0.24	<0.50	9	10	127	13.4	0.19
H543798	68.60	69.60	1.00		H543798	<0.01	0	0	0	0	0.3	2.46	2	110	<2.00	1.63	<0.50	45	92	194	10.8	0.32
H543799	69.60	69.60	0.00	Blk																		
H543800	69.60	69.60	0.00	Std																		
H543801	77.55	78.60	1.05		H543801	<0.01	0	0	0	0	<0.20	3.14	2	<10.00	<2.00	2.64	<0.50	46	135	357	9.36	0.03
H543802	78.60	79.60	1.00		H543802	<0.01	0	0	0	0	0.4	2.97	12	10	2	1.32	<0.50	79	193	435	8.21	0.02
H543803	79.60	80.10	0.50		H543803	<0.01	0	0	0	0	<0.20	2.94	11	10	<2.00	1.37	<0.50	83	195	431	8.29	0.02
H543804	109.40	110.00	0.60		H543804	0.01	0	0	0	0.01	0.3	1.85	9	<10.00	<2.00	2.36	<0.50	62	130	662	5.29	0.02
H543805	113.00	114.00	1.00		H543805	<0.01	0	0	0	0	0.2	2.23	5	<10.00	<2.00	1.41	<0.50	31	137	107	4.17	0.02
H543806	114.00	115.00	1.00		H543806	<0.01	0	0	0	0	0.3	1.91	5	10	<2.00	1.56	<0.50	29	134	79	3.42	0.02
H543807	115.00	116.00	1.00		H543807	<0.01	0	0	0	0	<0.20	2.11	5	<10.00	3	1.49	<0.50	31	145	61	3.63	0.02

Sample Number	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543790	20	1.16	373	<1.00	0.04	15	760	<2.00	<2.00	0	50	0.14	<10.00	37	<10.00	0	54
H543791	30	0.79	474	<1.00	0.05	13	740	<2.00	<2.00	0	68	0.11	<10.00	26	<10.00	0	50
H543792	20	1.2	503	2	0.03	23	920	<2.00	<2.00	0	50	0.18	<10.00	47	<10.00	0	63
H543793	20	0.61	357	<1.00	0.04	12	590	<2.00	<2.00	0	39	0.09	<10.00	18	<10.00	0	39
H543794	10	1.32	1195	<1.00	0.02	22	1110	<2.00	<2.00	0	26	0.32	<10.00	81	<10.00	0	88
H543795	<10.00	2	1110	<1.00	0.01	82	530	<2.00	<2.00	0	20	0.28	<10.00	99	<10.00	0	159
H543796	10	0.73	1590	<1.00	0.06	56	190	<2.00	<2.00	0	19	0.16	<10.00	105	<10.00	0	61
H543797	<10.00	0.42	1655	<1.00	0.07	31	70	<2.00	<2.00	0	14	0.01	10	11	<10.00	0	36
H543798	<10.00	1.06	2390	<1.00	0.13	61	250	<2.00	<2.00	0	37	0.17	<10.00	105	<10.00	0	42
H543799																	
H543800																	
H543801	<10.00	1.51	2240	<1.00	0.01	90	110	<2.00	<2.00	0	12	0.13	<10.00	86	<10.00	0	100
H543802	<10.00	1.5	1620	<1.00	0.02	143	200	<2.00	2	0	12	0.15	<10.00	109	<10.00	0	84
H543803	<10.00	1.48	1655	<1.00	0.03	148	210	<2.00	<2.00	0	13	0.16	<10.00	111	<10.00	0	83
H543804	<10.00	0.97	997	<1.00	0.03	105	160	<2.00	4	0	12	0.14	<10.00	81	30	0	51
H543805	<10.00	1.25	812	<1.00	0.03	65	230	<2.00	3	0	14	0.18	<10.00	75	<10.00	0	56
H543806	<10.00	1.09	660	<1.00	0.03	69	220	<2.00	<2.00	0	13	0.18	<10.00	73	<10.00	0	46
H543807	<10.00	1.17	710	<1.00	0.03	78	210	<2.00	<2.00	0	16	0.21	<10.00	78	<10.00	0	46

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358343 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR3-2009	EASTING:	452046 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	221m
START DATE:	July7th 2009	Line 11+00; Station 6+95N		CORE SIZE:	NQ
FINISH DATE:	July 9th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**12,00**	12,00	**OB**																	**Casing/Overburden**
12,00	**93,20**	**81,20**																		**Monzonite. Dark purple-green; medium- to coarse-grained. Partially weathered (voids and cracks) and locally hematized**
																				Composition: Quartz: 5%; Hornblende (chloritized): 25% (up to 40%); Plagio 45%; K-spar (20%), calcite (locally 5%). No specific foliation.
																				Presence of xenolith (few cm to 35cm).
22,50	22,90																			broken cores
34,65	35,00																			Xenolith
50,00	55,00																			Zone with pluri-cm xenoliths (2 to 3 per meter).
63,90	67,80												Ep							Epidote alteration zone
79,85	80,50																			broken cores
92,70	92,70																			Calcite veinlet; TCA:20
93,20	**221,00**	**127,80**																		**Mafic volcanic rock**
																				Dark green; Chlorite rich. Heterogeneous unit: volcanic breccia interbedded with fine-grained massive flow (locally with glaumeroporphyric texture).
																				Cross-cut by few QFP/granite dyke.
93,20	94,90													PY	1					Melanogabbro (or coarse-grained massive flow?). Medium- to coarse-grained, 1% PY.
94,90	97,00													PY	3					2-3% pyrite disseminated as coarse euhedral crystal.
97,00	105,85												Ep	PY	4					Strongly magnetic volcanic breccia with a matrix of magnetite and pyrite (3-4%). Two types of clasts: jigsaw-like fine-grained volcanic clasts and coarse-grained clasts of epidotized gabbro.
99,94	100,07																			Dyke of leucogabbro or pluri-cm clast.
100,60	101,00									X	X									40cm-wide clasts with silicate-sericite/ankerite alteration associated with a chlorite-calcite microvein (TCA: 25).
104,60	104,75																			Down-dip pluri-mm thick quartz veinlets and hematite/geothite filled fractures (TCA: 50)
104,75	104,90																			QFP dyke (pink); TCA: 53
105,85	106,00												CC	PY						Down-dip carbonate-pyrite vein (calcite-ankerite alteration).
107,33	107,75																			broken cores
108,20	108,43																			Ankerite(?)-calcite vein?
108,85	108,88																			Ankerite-calcite vein; TCA:40
109,00	109,06																			Ankerite-calcite vein; TCA:40
109,20	109,80																			broken cores
109,60	109,65																			Ankerite-calcite vein; TCA:40
110,30	112,60													PY	2					Volcanic breccia; clasts composition: essentially epidotized gabbro, 1-2% Pyrite
112,60	114,40													PY	1					QFP? Dark grey, porphyry feldspar with tr-1% of fine disseminated pyrite
114,40	115,30																			QFP, no sulphide; 1cm quartz vein at 114,90m; TCA:75
115,30	118,95													PY	3					Breccia; gabbro composition with disseminated coarse euhedral pyrite grains (2-3%). With pluri-mm calcite veins/filled fractures.
118,95	123,55											X	Ep	PY	2					In situ breccia. Chlorite-epidote-rich zone. Tr-2% Pyrite as coarse grains.
121,00	121,10																			broken cores
122,50	122,50																			Quartz veinlets (<1cm-thick); TCA: 80)
126,30	127,45																			Presence of glaumeroporphyry
127,53	127,60																			QFP dyke, TCA: 70
128,25	128,40																			Down-dip cm-thick plagio-quartz vein
129,00	129,12																			QFP dyke; TCA: 80
129,97	129,97										X									Quartz-chlorite veinlet with sericite alteration along the edges; TCA: 70
131,00	134,20											X	Ep							Chlorite-epidote alteration zone with several pink calcite cm-thick veins (up to 5 per meter) and quartz vein
132,40	133,12																			Zone of high density pink calcite veins. Average TCA: 70
132,55	132,56																			Quartz vein, TCA:45
133,12	133,37													PY	tr					Quartz-calcite-chlorite-(pyrite) vein/alteration zone
138,53	138,53																			Quartz veinlet; TCA: 45

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358343 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR3-2009	EASTING:	452046 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	221m
START DATE:	July7th 2009	Line 11+00; Station 6+95N		CORE SIZE:	NQ
FINISH DATE:	July 9th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
140,41	140,45										X			PY	tr					Quartz-plagio vein; TCA: 50. with sericite alteration: tr. PY.
140,76	140,76																			Quartz veinlet; TCA:85
141,07	141,10													PY						Quartz vein + pyrite alteration (coarse cubes). TCA: 80
141,30	141,30																			Quartz veinlet; TCA: 90
141,69	141,70													PY						Quartz-chlorite vein + pyrite alteration. TCA: 75
142,27	142,32																			Quartz-chlorite vein; TCA: 60
144,55	144,80										X			PY	1					Micro-fracture network with sericite alteration associated; tr-1% fine-grained pyrite
146,30	147,12										X			PY	tr					Zone of sericite/ankerite moderate- to strong alteration, especially along a quartz-chlorite vein (at 146,95 - 146,98) TCA: 60; tr. PY
147,85	149,90										X									Zone of sericite/Ankerite-(pyrite) mod- to strong alteration associated with micro-fractures and local quartz veinlets.
150,00	166,00																			Zone with calcite (pink) and quartz veinlets with no or weak alteration along edges (1-3 veinlets per meter; TCA: 60-70)
171,35	172,00										X			PY	tr					Zone of quartz veinlets with mm-wide sericite alteration zone along the edges (~3 per meter; TCA:45). Tr. PY.
177,05	177,40													PY	1					Disseminated pyrite (no quartz vein nor alteration associated)
181,00	182,15										X			PY	1					Down-dip pyrite-chlorite veinlets with sericite/ankerite alteration along the edges (mm-wide) + pink calcite veinlets
182,80	182,80										X			PY	1					Pyrite-chlorite veinlets with sericite/ankerite alteration along the edges (mm-wide). TCA: 20
184,20	184,85																			broken cores
186,95	187,20												Hem	PY	1					Calcite-pyrite down-dip veinlets with no significant alteration, except a weak hematization.
189,60	190,10												CC	PY	tr					Zone of calcite-quartz veins with ankerite alteration along the edges; tr.PY
191,20	191,30												CC	PY	1					Calcite-quartz-pyrite veinlets with weak ankerite alteration.
195,35	195,35												CC	PY	1					Calcite-chlorite-pyrite veinlet
197,25	197,45												Hem	PY	1					Zone with micro-fractures filled with calcite-pyrite (+ hematite); TCA: 40
199,37	199,39																			Quartz vein (with no significant alteration associated); TCA: 35
200,22	200,24												CC	PY	3					Quartz-hematite vein with moderate pyrite-ankerite alteration; 2-3% pyrite.
200,59	200,60												CC							Quartz vein; with ankerite alteration along the edges; TCA:60.
201,24	201,24																			Calcite veinlet; TCA:40
201,39	201,39																			Calcite veinlet; TCA:60
202,19	202,29													PY	2					Calcite-quartz-chlorite-pyrite vein; 2% pyrite. TCA:80
202,82	202,85												CC	PY	3					Small quartz breccia vein with pyrite-ankerite alteration; 3% pyrite
206,82	206,89												CC							Ankerite alteration zone associated with a 1cm-thick calcite
209,00	211,00																			Zone with small fractures with ankerite alteration along the edges (mm-wide; 3-4 per meter; TCA: 60).
210,70	210,71												CC							Quartz-calcite vein + ankerite alteration along the edges; TCA: 60.
212,95	212,95												CC	PY	1					Calcite veinlets + Ankerite-pyrite alteration (1% PY).
214,45	218,00												CC	PY	10					Zone with down-dip and low-angle pyrite veinlets + ankerite-hematite alteration. Up to 10% pyrite
220,40	220,80												CC	PY	2					Pink calcite-pyrite vein with ankerite-hematite alteration. 1-2% pyrite; TCA: 15
221,00	**221,00**		**EOH**																	

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358343 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR3-2009	**EASTING:**	452046 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	221m
START DATE:	July7th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 9th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543751	98.00	99.00	100.00%		H543751	0.04	0	0	0	0.04	<0.20	4.2	17	10	<2.00	1.09	<0.50	68	193	256	15.1	0.02	<10.00	1.82	3950	<1.00	<0.01	149	410	3	<2.00	0	34	0.19	<10.00	125	<10.00	0	70
H543752	100.40	101.10	70.00%		H543752	<0.01	0	0	0	0	<0.20	2.11	<2.00	<10.00	<2.00	0.74	<0.50	14	132	20	4.46	0.01	40	1.4	1355	<1.00	0.04	46	940	2	<2.00	0	4	0.21	<10.00	139	<10.00	0	38
H543753	104.00	105.00	100.00%		H543753	0.01	0	0	0	0.01	<0.20	3.91	6	<10.00	<2.00	0.69	<0.50	34	132	8	9.25	0.01	10	2.4	2590	<1.00	0.01	84	340	<2.00	<2.00	0	37	0.21	<10.00	91	<10.00	0	86
H543754	105.00	106.00	100.00%		H543754	<0.01	0	0	0	0	<0.20	4.6	9	<10.00	<2.00	1.46	<0.50	42	182	10	10.35	0.01	<10.00	3.07	2610	<1.00	<0.01	107	430	<2.00	<2.00	0	37	0.22	<10.00	104	<10.00	0	103
H543755	108.00	109.00	100.00%		H543755	<0.01	0	0	0	0	<0.20	6.48	4	<10.00	2	0.45	<0.50	38	161	<1.00	10	0.01	<10.00	6.72	2060	<1.00	0.01	119	590	<2.00	<2.00	0	2	0.19	<10.00	202	<10.00	0	124
H543756	113.40	114.40	100.00%		H543756	<0.01	0	0	0	0	<0.20	1.26	3	10	<2.00	0.33	<0.50	10	20	2	2.59	0.04	10	0.92	415	<1.00	0.04	13	480	<2.00	<2.00	0	4	0.09	<10.00	35	<10.00	0	28
H543757	114.40	115.30	90.00%		H543757	<0.01	0	0	0	0	<0.20	1.21	<2.00	20	<2.00	0.88	<0.50	7	12	18	2.81	0.06	30	0.5	765	1	0.08	8	360	<2.00	<2.00	0	13	0.11	<10.00	20	<10.00	0	34
H543758	122.20	123.00	80.00%		H543758	0.01	0	0	0	0.01	<0.20	3.19	5	20	2	0.45	<0.50	30	112	32	6.78	0.07	<10.00	1.75	1225	<1.00	0.03	68	460	2	<2.00	0	12	0.17	<10.00	85	<10.00	0	91
H543759	129.00	130.00	100.00%		H543759	<0.01	0	0	0	0	<0.20	2.58	<2.00	40	2	0.34	<0.50	10	7	1	4.23	0.14	10	2.08	522	<1.00	0.04	7	640	<2.00	<2.00	0	3	0.11	<10.00	19	<10.00	0	62
H543760	132.40	133.40	100.00%		H543760	0.01	0	0	0	0.01	<0.20	1.38	8	10	<2.00	5.72	<0.50	5	3	10	2.81	0.11	20	1.1	863	<1.00	0.01	7	480	4	<2.00	0	25	<0.01	<10.00	6	<10.00	0	57
H543761	140.00	141.00	100.00%		H543761	<0.01	0	0	0	0	<0.20	2.22	2	20	<2.00	2.76	<0.50	8	2	<1.00	4.46	0.18	10	0.72	355	<1.00	0.05	1	860	<2.00	<2.00	0	19	0.01	<10.00	3	<10.00	0	71
H543762	141.00	142.00	100.00%		H543762	0.05	0	0	0	0.05	<0.20	2.57	13	20	<2.00	2.61	<0.50	10	2	1	5.51	0.12	<10.00	0.96	411	<1.00	0.03	1	790	<2.00	<2.00	0	20	<0.01	<10.00	3	<10.00	0	73
H543763	142.00	143.00	100.00%		H543763	0.09	0	0	0	0.09	<0.20	2.29	5	20	<2.00	3.61	<0.50	8	2	1	4.81	0.13	10	0.64	575	<1.00	0.05	3	780	<2.00	<2.00	0	30	<0.01	<10.00	3	<10.00	0	65
H543764	144.50	145.00	50.00%		H543764	<0.01	0	0	0	0	<0.20	1.94	4	20	<2.00	3.07	<0.50	8	1	<1.00	4.53	0.1	10	0.72	834	<1.00	0.06	2	820	<2.00	<2.00	0	28	<0.01	<10.00	3	<10.00	0	82
H543765	146.30	147.30	100.00%		H543765	0.01	0	0	0	0.01	<0.20	1.56	2	<10.00	<2.00	2.85	<0.50	9	1	1	4.58	0.12	10	0.74	764	<1.00	0.07	<1.00	850	<2.00	<2.00	0	26	<0.01	<10.00	2	<10.00	0	78
H543766	147.30	148.30	100.00%		H543766	<0.01	0	0	0	0	<0.20	1.43	4	<10.00	<2.00	3.22	<0.50	9	1	<1.00	4.91	0.09	10	0.88	963	<1.00	0.07	<1.00	890	<2.00	<2.00	0	27	<0.01	<10.00	3	<10.00	0	76
H543767	148.30	149.00	70.00%		H543767	<0.01	0	0	0	0	<0.20	1.4	6	<10.00	<2.00	3.44	<0.50	8	<1.00	<1.00	4.73	0.1	10	0.83	936	<1.00	0.07	<1.00	920	<2.00	<2.00	0	29	<0.01	<10.00	3	<10.00	0	68
H543768	149.00	150.00	100.00%		H543768	<0.01	0	0	0	0	<0.20	1.28	<2.00	<10.00	<2.00	3.78	<0.50	8	<1.00	<1.00	4.55	0.11	10	0.84	961	<1.00	0.06	<1.00	890	<2.00	<2.00	0	32	<0.01	<10.00	2	<10.00	0	57
H543769	156.00	157.00	100.00%		H543769	0.01	0	0	0	0.01	<0.20	2.46	3	<10.00	<2.00	3.09	<0.50	10	<1.00	<1.00	4.86	0.1	10	0.84	632	<1.00	0.06	<1.00	790	<2.00	<2.00	0	29	<0.01	<10.00	5	<10.00	0	72
H543770	159.00	160.00	100.00%		H543770	0.05	0	0	0	0.05	<0.20	2.4	<2.00	<10.00	<2.00	3.01	<0.50	11	<1.00	2	5	0.11	10	0.83	601	<1.00	0.04	<1.00	760	<2.00	<2.00	0	33	<0.01	<10.00	4	<10.00	0	86
H543771	160.00	161.00	100.00%		H543771	<0.01	0	0	0	0	<0.20	2.61	<2.00	<10.00	<2.00	3.3	<0.50	10	<1.00	1	5.32	0.12	10	0.9	660	<1.00	0.04	<1.00	750	<2.00	<2.00	0	34	0.01	<10.00	5	<10.00	0	97
H543772	171.00	172.00	100.00%		H543772	<0.01	0	0	0	0	<0.20	2.22	2	<10.00	<2.00	2.54	<0.50	8	1	<1.00	4.49	0.11	10	0.79	504	<1.00	0.04	<1.00	730	<2.00	<2.00	0	20	0.01	<10.00	4	<10.00	0	72
H543773	181.00	182.00	100.00%		H543773	0.11	0	0	0	0.11	0.2	2.38	58	<10.00	<2.00	1.46	<0.50	15	<1.00	16	5.65	0.14	<10.00	0.99	423	<1.00	0.04	1	960	<2.00	<2.00	0	11	0.01	<10.00	6	<10.00	0	61
H543774	182.00	182.00	0.00%	Blk																																			
H543775	182.00	182.00	0.00%	Std																																			
H543776	182.00	183.00	100.00%		H543776	0.01	0	0	0	0.01	<0.20	2.14	10	<10.00	<2.00	2.66	<0.50	8	<1.00	18	4.55	0.14	10	0.64	666	<1.00	0.05	<1.00	880	<2.00	<2.00	0	23	<0.01	<10.00	4	<10.00	0	58
H543777	189.50	190.50	100.00%		H543777	<0.01	0	0	0	0	<0.20	2.55	3	<10.00	<2.00	2.64	<0.50	13	<1.00	69	5.78	0.06	10	0.8	975	<1.00	0.04	6	810	<2.00	<2.00	0	28	0.01	<10.00	9	<10.00	0	89
H543778	190.50	191.50	100.00%		H543778	0.04	0	0	0	0.04	0.2	2.58	10	<10.00	<2.00	2.78	<0.50	15	<1.00	42	5.75	0.08	10	0.83	1050	<1.00	0.06	10	860	<2.00	<2.00	0	33	0.01	<10.00	15	<10.00	0	92
H543779	197.00	197.50	50.00%		H543779	<0.01	0	0	0	0	<0.20	2.5	<2.00	<10.00	<2.00	2.45	<0.50	10	1	2	5.38	0.08	10	0.76	1080	<1.00	0.04	6	900	<2.00	<2.00	0	30	0.01	<10.00	7	<10.00	0	93
H543780	200.00	201.00	100.00%		H543780	0.01	0	0	0	0.01	<0.20	2.32	5	<10.00	<2.00	2.85	<0.50	9	<1.00	<1.00	4.96	0.12	10	0.61	876	<1.00	0.06	5	900	<2.00	<2.00	0	33	<0.01	<10.00	6	<10.00	0	82
H543781	202.15	203.00	85.00%		H543781	0.04	0	0	0	0.04	<0.20	3.04	2	<10.00	<2.00	5.47	<0.50	12	<1.00	17	7.09	0.08	10	0.95	1610	<1.00	0.05	9	860	<2.00	<2.00	0	50	<0.01	<10.00	10	<10.00	0	107
H543782	206.00	207.00	100.00%		H543782	<0.01	0	0	0	0	<0.20	2.91	2	<10.00	<2.00	3.03	<0.50	11	<1.00	14	6.41	0.06	10	0.89	1065	<1.00	0.04	8	870	<2.00	<2.00	0	32	0.01	<10.00	8	<10.00	0	108
H543783	212.00	213.00	100.00%		H543783	<0.01	0	0	0	0	<0.20	2.29	5	<10.00	<2.00	3.47	<0.50	9	<1.00	3	4.81	0.1	10	0.69	833	<1.00	0.04	<1.00	790	<2.00	<2.00	0	31	<0.01	<10.00	4	<10.00	0	80
H543784	213.00	214.00	100.00%		H543784	0.01	0	0	0	0.01	<0.20	2.33	3	<10.00	<2.00	2.59	<0.50	12	<1.00	18	5.23	0.08	10	0.7	694	<1.00	0.04	1	850	<2.00	<2.00	0	24	0.01	<10.00	6	<10.00	0	77
H543785	214.00	215.00	100.00%		H543785	0.04	0	0	0	0.04	0.2	2.66	51	<10.00	<2.00	3.18	<0.50	17	<1.00	69	6.27	0.11	10	0.82	778	<1.00	0.03	2	800	<2.00	<2.00	0	31	<0.01	<10.00	6	<10.00	0	82
H543786	215.00	216.00	100.00%		H543786	0.02	0	0	0	0.02	<0.20	2.13	40	<10.00	<2.00	3.03	<0.50	15	<1.00	58	5.32	0.13	10	0.64	684	<1.00	0.03	2	820	<2.00	<2.00	0	25	<0.01	<10.00	4	<10.00	0	61
H543787	216.00	217.00	100.00%		H543787	0.03	0	0	0	0.03	<0.20	3.15	24	<10.00	<2.00	4.11	<0.50	13	<1.00	37	7.1	0.11	10	0.98	1065	<1.00	0.02	5	780	<2.00	<2.00	0	40	<0.01	<10.00	7	<10.00	0	94
H543788	217.00	218.00	100.00%		H543788	0.01	0	0	0	0.01	<0.20	2.17	13	<10.00	<2.00	2.82	<0.50	9	<1.00	31	4.64	0.12	10	0.65	711	<1.00	0.04	<1.00	870	<2.00	<2.00	0	25	<0.01	<10.00	4	<10.00	0	70
H543789	220.30	220.80	50.00%		H543789	0.02	0	0	0	0.02	<0.20	2.52	22	<10.00	<2.00	3.19	<0.50	15	<1.00	62	6.35	0.12	10	0.73	1025	<1.00	0.03	<1.00	820	<2.00	<2.00	0	26	<0.01	<10.00	4	<10.00	0	86

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358362 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-7-2009	EASTING:	451439 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	146m
START DATE:	July 11th 2009	Line 5+00; Station 7+25N		CORE SIZE:	NQ
FINISH DATE:	July 12th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	1,10	1,10	OB																	Casing/Overburden
1,10	146,00	144,90																		Granite
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Magnetism is absent in the altered zones.
5,50	8,75																			Zone of micro-fractures (3 to 5 per meter; TCA: 15 to 25 and 90+45) with silica alteration zone along their edges (few cm-wide);
5,90	6,05																			Ankerite-silica pervasive alteration with sharp contact giving the impression of a QFP dyke.
11,20	21,30																			Zone of micro-fractures/calcite stringers (2-3 per meter; TCA: 20 and 90+45) with silicification limited to the edges (few mm-wide). A weak epidotization observable on a few cm both sides of the fractures/veins.
21,30	23,30														1					Zone with pervasive epidote alteration (but moderate) with tr-1%of disseminated pyrite (~2 calcite stringers per meter; TCA: 30 and 90+60)
23,30	30,30																			Zone of micro-fractures/calcite stringers (2 per meter; TCA: 35 and 90+55) with silicification limited to the edges (few mm-wide). A weak epidotization is observable on a few cm both sides of the fractures/veins.
30,60	30,80														3					Silica-pyrite alteration zone associated with a calcite-pyrite stringer at 30,70m; 2-3% pyrite; TCA:30
32,34	32,42																			Silica alteration zone associated with three calcite-hematite stringers; TCA: 25
33,26	33,27																			Calcite-epidote vein (TCA: 35); No significant alteration associated
34,35	38,50																			Zone of micro-fractures/calcite stringers (2-3 per meter; TCA: 25 and 90+50) with silicification limited to the edges (few mm-wide). A weak epidotization observablealong fractures/veins (TCA: 90+50).
38,50	43,60																			Unaltered granite, weakly magnetic. Only few zones with silica alteration along fractures (1-2 per meter).
41,47	41,51																			epidote alteration along fracture; TCA: 65
41,75	41,90																			epidote and silica alteration along fracture; TCA: 65
43,74	44,00																			Pervasive silica alteration + presence of leucoxene
45,55	45,95																			Pervasive silica alteration + presence of leucoxene
46,29	46,44																			Pervasive silica alteration + presence of leucoxene
47,50	48,00																			broken cores
48,00	48,95																			Down-dip quartz-chlorite vein + silica-chlorite alteration (or leaching?); presence of leucoxene
50,18	50,18														2					Quartz-calcite-chlorite-pyrite vein (2mm-thick) with silica-epidote alteration; 2% pyrite; TCA: 30
51,00	57,00																			Zone with several calcite stringers/micro-fractures (mm to cm-thick veins). Alteration is only limited to few mm along the edges; TCA: 30-35; 3 to 8 per meter). Granite is weakly magnetic where not altered.
54,00	54,20																			Xenolith of a porphyry intrusive rock
57,00	64,70																			Pervasive epidote/sericite alteration zone, + weak carbonate alteration
58,90	59,75														5					Down-dip calcite-pyrite-chlorite stringers; pyrite is present as blebs in the vein; 5% pyrite
61,70	62,00																			Ankerite-silica alteration zone
63,00	64,70																			Series of pluri-cm wide silica alteration zone along calcite veining; TCA: 40 (2 per meter). Presence of leucoxene in the alteration zone
64,70	66,95																			Weakly magnetic granite (no significant alteration); few fracture-related hematization
66,95	68,15																			Pervasive but moderate epidotization
69,15	69,70																			Reddish granite due to potassic alteration (newly formed Kspar mineral ~ 10%) and calcite (10%). No vein or fractures associated;
69,70	72,35																			Pervasive, but moderate epidote/sericite alteration
72,35	72,90																			Reddish granite due to potassic alteration (newly formed Kspar mineral ~ 10%) and calcite (10%). No vein or fractures associated;
73,60	73,75																			Low-angle calcite stringer (TCA: 15), no significative alteration associated
74,70	74,90														tr					Silica alteration zone associated with narrow calcite stringers; tr. Pyrite
76,35	76,70																			Silica alteration zone associated with narrow calcite veins
78,75	79,70																			Kspar and calcite pervasive alteration; no vein or fractures associated
80,20	80,60																			Silica alteration zone associated with narrow calcite veins

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358362 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-7-2009	EASTING:	451439 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	146m
START DATE:	July 11th 2009	Line 5+00; Station 7+25N		CORE SIZE:	NQ
FINISH DATE:	July 12th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
80,85	81,00	Silica alteration zone associated with narrow calcite veins
81,50	85,95	Pervasive epidote/sericite alteration zone.
85,95	95,05	Pervasive calcite-Kspar alteration giving the rock a pinkish-orange color
90,00	91,00	Zone with pluri-cm wide silica alteration zone along calcite micro-veins; (5 veins on 1m; TCA: 45)
91,42	91,78	Pervasive and penetrative potassic-(silica?) alteration (Kspar-biotite). Tr-1% pyrite
97,07	97,55	Pervasive and penetrative potassic alteration (Kspar-biotite) associated with mm-thick calcite veins (TCA: 20; biotite along the edges) Tr-1% pyrite
98,30	99,40	Pervasive and penetrative potassic alteration (Kspar-biotite) associated with mm-thick calcite veins (TCA: 30; biotite along the edges) Tr-1% pyrite; presence of leucoxene in the alteration zone.
99,85	100,00	Silica alteration zone along micro-fractures; presence of leucoxene; TCA: 55
100,00	120,00	Pervasive epidote/sericite alteration (weak to mod) with few silica alteration (few mm to cm wide) along calcite stringers (2-4 per meter; TCA: 30-40)
106,28	106,44	Silica alteration associated with a pyrite-calcite vein (5mm-thick); TCA: 20; 1% pyrite
120,00	132,80	Pervasive potassic-carbonate alteration (K-spar and calcite: up to 10-15%). Presence of leucoxene and hematite (specularite); giving the rock a reddish-orange color. No mineralization associated.
123,75	125,00	Series of small fractures with silica alteration; tr. Pyrite (3 per meter; TCA: 60)
129,00	129,55	Aplite dyke, no mineralization associated
130,15	130,90	Silica-carbonate alteration associated with fractures; tr-1% pyrite as disseminated grains
132,60	132,80	5-10% hematite (specularite)
133,50	134,60	Pervasive calcite alteration (strong) and Kspar with up to 5% hematite (specularite)
135,30	138,15	Pervasive calcite alteration zone (5% calcite)
138,15	140,00	Pervasive Kspar, calcite alteration
140,20	140,40	Leached zone and/or silicification; presence of leucoxene
142,00	143,75	Pervasive epidote/sericite alteration
146,00	EOH	

1 1

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358362 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-7-2009	**EASTING:**	451439 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	146m
START DATE:	July 11th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 12th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
H543846	5.50	6.25	0.75		H543846	0.01	0	0	0	0.01	<0.20	1.02	<2.00	90	<2.00	0.76	<0.50	8	12	5	1.82	0.45
H543847	6.25	7.25	1.00		H543847	<0.01	0	0	0	0	<0.20	1.26	<2.00	90	<2.00	1	<0.50	9	12	3	2.13	0.44
H543848	7.25	8.25	1.00		H543848	0.01	0	0	0	0.01	<0.20	1.18	<2.00	90	<2.00	0.93	<0.50	10	16	6	2.11	0.44
H543849	8.25	8.25	0.00	Blk																		
H543850	8.25	8.25	0.00	Std																		
H543851	8.25	9.00	0.75		H543851	<0.01	0	0	0	0	<0.20	1.21	<2.00	70	<2.00	1.27	<0.50	10	15	6	2.26	0.31
H543852	22.00	23.00	1.00		H543852	<0.01	0	0	0	0	<0.20	1.24	5	50	<2.00	1.31	<0.50	21	16	4	2.28	0.18
H543853	30.00	31.00	1.00		H543853	0.11	0	0	0	0.11	<0.20	1.06	3	60	<2.00	1.25	<0.50	10	14	26	2.34	0.21
H543854	31.00	32.00	1.00		H543854	<0.01	0	0	0	0	<0.20	1.02	<2.00	30	<2.00	1.01	<0.50	9	16	16	2.43	0.08
H543855	32.00	33.00	1.00		H543855	<0.01	0	0	0	0	0.2	0.94	<2.00	60	<2.00	0.86	<0.50	8	16	13	2.34	0.22
H543856	33.00	34.00	1.00		H543856	<0.01	0	0	0	0	<0.20	1.04	<2.00	70	<2.00	1.44	<0.50	9	17	8	2.39	0.24
H543857	45.50	46.50	1.00		H543857	<0.01	0	0	0	0	<0.20	1.22	<2.00	50	<2.00	1.51	<0.50	11	18	6	2.49	0.19
H543858	50.00	50.50	0.50		H543858	0.01	0	0	0	0.01	<0.20	1.18	<2.00	30	2	1.11	<0.50	11	17	5	2.49	0.08
H543859	58.75	59.75	1.00		H543859	0.01	0	0	0	0.01	<0.20	1.1	5	50	<2.00	1.47	<0.50	14	13	34	2.49	0.23
H543860	59.75	61.00	1.25		H543860	<0.01	0	0	0	0	<0.20	1.27	<2.00	90	<2.00	1.03	<0.50	10	15	12	2.21	0.4
H543861	61.00	62.00	1.00		H543861	<0.01	0	0	0	0	<0.20	1.25	<2.00	40	<2.00	1.36	<0.50	9	15	10	2.3	0.16
H543862	62.00	63.00	1.00		H543862	<0.01	0	0	0	0	<0.20	1.48	<2.00	30	<2.00	1.72	<0.50	11	17	10	2.65	0.07
H543863	63.00	64.00	1.00		H543863	<0.01	0	0	0	0	<0.20	1.38	<2.00	30	<2.00	1.63	<0.50	10	15	7	2.52	0.11
H543864	64.00	64.70	0.70		H543864	<0.01	0	0	0	0	<0.20	1.29	<2.00	70	<2.00	1.57	<0.50	10	14	6	2.34	0.3
H543865	80.00	81.00	1.00		H543865	<0.01	0	0	0	0	<0.20	1.39	<2.00	30	<2.00	1.75	<0.50	11	15	3	2.79	0.1
H543866	90.00	91.00	1.00		H543866	<0.01	0	0	0	0	<0.20	1.91	<2.00	40	<2.00	3.17	<0.50	13	15	<1.00	3.27	0.15
H543867	91.00	92.00	1.00		H543867	<0.01	0	0	0	0	<0.20	1.73	<2.00	30	2	1.4	<0.50	13	16	4	3.24	0.1
H543868	97.00	97.60	0.60		H543868	<0.01	0	0	0	0	<0.20	1.29	<2.00	50	<2.00	2.03	<0.50	9	13	10	2.58	0.13
H543869	97.60	98.30	0.70		H543869	<0.01	0	0	0	0	<0.20	1.26	4	30	<2.00	1.14	<0.50	10	19	17	2.41	0.07
H543870	98.30	99.40	1.10		H543870	<0.01	0	0	0	0	<0.20	1.28	3	50	<2.00	2.46	<0.50	8	17	11	2.58	0.15
H543871	99.40	100.00	0.60		H543871	<0.01	0	0	0	0	<0.20	1.28	3	40	<2.00	1.78	<0.50	9	19	15	2.67	0.1
H543872	106.20	106.90	0.70		H543872	<0.01	0	0	0	0	<0.20	1.27	<2.00	50	<2.00	1.66	<0.50	9	19	5	2.41	0.14
H543873	129.00	130.00	1.00		H543873	<0.01	0	0	0	0	<0.20	1.19	2	30	<2.00	3.76	<0.50	7	11	2	2.02	0.08
H543874	130.00	130.00	0.00	Blk																		
H543875	130.00	130.00	0.00	Std																		
H543876	130.00	131.00	1.00		H543876	<0.01	0	0	0	0	<0.20	2.34	11	40	<2.00	1.75	<0.50	14	15	2	4.19	0.16
H543502	69.20	69.45	0.25																			
H543503	143.00	143.30	0.30																			

Sample Number	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543846	20	0.66	238	1	0.04	12	550	2	<2.00	0	43	0.13	<10.00	31	<10.00	0	39
H543847	20	0.76	295	1	0.06	13	630	<2.00	<2.00	0	55	0.15	<10.00	34	<10.00	0	45
H543848	20	0.78	271	1	0.05	15	670	<2.00	<2.00	0	45	0.16	<10.00	38	<10.00	0	46
H543849																	
H543850																	
H543851	30	0.81	309	1	0.05	15	680	<2.00	<2.00	0	47	0.15	<10.00	37	<10.00	0	48
H543852	20	0.82	356	1	0.06	14	670	<2.00	<2.00	0	55	0.15	<10.00	30	<10.00	0	50
H543853	20	0.71	286	1	0.04	13	710	<2.00	<2.00	0	42	0.13	<10.00	39	<10.00	0	46
H543854	20	0.73	290	<1.00	0.05	14	660	2	<2.00	0	46	0.15	<10.00	45	<10.00	0	50
H543855	20	0.63	246	1	0.05	13	670	2	<2.00	0	42	0.15	<10.00	45	<10.00	0	46
H543856	20	0.71	287	1	0.06	13	670	3	<2.00	0	52	0.17	<10.00	45	<10.00	0	54
H543857	20	0.87	339	1	0.05	15	700	<2.00	<2.00	0	40	0.13	<10.00	40	<10.00	0	50
H543858	20	0.84	354	2	0.05	14	660	<2.00	<2.00	0	52	0.14	<10.00	38	<10.00	0	50
H543859	30	0.75	323	1	0.04	14	660	<2.00	<2.00	0	45	0.12	<10.00	31	<10.00	0	45
H543860	20	0.83	298	2	0.05	14	670	<2.00	<2.00	0	54	0.15	<10.00	39	<10.00	0	49
H543861	30	0.85	362	1	0.05	15	700	<2.00	<2.00	0	48	0.13	<10.00	33	<10.00	0	49
H543862	20	1.02	419	2	0.06	16	780	<2.00	<2.00	0	77	0.15	<10.00	38	<10.00	0	56
H543863	20	0.94	400	1	0.05	16	770	<2.00	<2.00	0	63	0.13	<10.00	32	<10.00	0	53
H543864	30	0.83	376	1	0.05	15	670	<2.00	<2.00	0	57	0.15	<10.00	35	<10.00	0	51
H543865	20	0.98	420	1	0.05	16	720	3	<2.00	0	40	0.12	<10.00	38	<10.00	0	54
H543866	30	1.28	609	1	0.06	19	930	<2.00	<2.00	0	90	0.16	<10.00	34	<10.00	0	76
H543867	30	1.29	486	1	0.05	19	890	<2.00	<2.00	0	47	0.15	<10.00	38	<10.00	0	68
H543868	20	0.81	459	1	0.05	12	710	<2.00	<2.00	0	42	0.1	<10.00	24	<10.00	0	54
H543869	30	0.89	405	<1.00	0.04	17	770	2	<2.00	0	53	0.15	<10.00	42	<10.00	0	64
H543870	30	0.76	456	<1.00	0.04	14	710	<2.00	<2.00	0	43	0.1	<10.00	28	<10.00	0	50
H543871	30	0.81	437	<1.00	0.05	15	740	<2.00	<2.00	0	48	0.14	<10.00	38	<10.00	0	52
H543872	30	0.83	400	1	0.05	15	720	<2.00	<2.00	0	55	0.12	<10.00	35	<10.00	0	51
H543873	20	0.87	436	<1.00	0.05	10	490	2	<2.00	0	56	0.09	<10.00	23	<10.00	0	39
H543874	Blank																
H543875	Standard 6Pc																
H543876		1.73	622	1	0.04	20	1330	2	<2.00	0	31	0.13	<10.00	40	<10.00	0	75
H543502	Geochem, Whole																
H543503	Geochem, Whole																

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358376 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-10-2009	EASTING:	451511 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	116m
START DATE:	July 12th 2009	Line 5+25; Station 7+375N		CORE SIZE:	NQ
FINISH DATE:	July 13th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**0,70**	**0,70**																		**Casing/Overburden**
0,70	**116,00**	**115,30**																		**Granite**
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also present locally affecting preferentially the plagioclase giving the rock a light yellowish-green color. Magnetism is absent in the altered zones.
2,60	3,00													PY	2					Series of three calcite stringers with cm-wide silica-pyrite alteration zone along their edges; TCA: 15 and 30; 1-2% pyrite
4,18	4,18													PY	M					A 4mm-thick massive pyrite vein with a pluri-cm wide silica alteration zone; TCA: 27
5,75	7,15													PY						Pervasive silica alteration zone associated with pyrite-calcite veins
6,30	6,30													PY						A 5mm-thick pyrite-calcite vein with a 2cm-wide carbonate (calcite) alteration zone; TCA: 27
6,84	6,84													PY						A 3mm-thick pyrite-calcite vein with a 2cm-wide carbonate (calcite) alteration zone; TCA: 40
6,94	6,94													PY						A 3mm-thick pyrite-calcite vein with a 2cm-wide carbonate (calcite) alteration zone; TCA: 60
7,07	7,07													PY	1					A 5mm-thick quartz-calcite vein with a 2cm-wide carbonate (calcite) alteration zone; TCA: 45; 1% pyrite
8,30	8,55																			Silica pervasive alteration zone associated with two calcite stringers; TCA: 35
9,36	9,42													PY	2					Silica pervasive alteration zone associated with two calcite stringers; TCA: 10; 2% pyrite in the alteration zone
10,65	10,75													PY	3					Silica-calcite pervasive alteration zone associated with a 2mm-thick calcite-pyrite vein; TCA: 30; 2-3% pyrite
11,55	12,25													PY	1					Series of four calcite-(pyrite) stringers and micro-fractures with a 1cm-wide silica alteration zone along their edges; TCA: 30; tr-1% pyrite
12,85	15,55																			Unaltered granite, weakly magnetic.
17,10	17,90																			Pervasive silica-calcite alteration zone associated with a 5cm-thick quartz vein; TCA: 50. No mineralization associated
18,40	18,70																			Pervasive silica alteration zone. No vein or mineralization associated
21,50	21,58													PY	2					Silica-pyrite alteration zone, no vein associated. 1-2% pyrite
21,70	21,85																			Xenolith
23,15	24,05																			Series of 5 calcite stringers with mm-wide silica-carbonate alteration zone along the edges. TCA: 35-45
24,77	24,85																			Xenolith
28,65	29,65													PY	2					Series of 12 calcite stringers with <1cm-wide silica-(pyrite) alteration zone along the edges; TCA: ~40; tr-2% pyrite
32,08	32,14													PY	1					Silica-calcite-pyrite alteration zone; 1% pyrite. No vein associated
34,90	35,00																			Three calcite stringers with only a few mm-wide silica alteration zone along their edges; TCA: 70
39,40	45,05																			Weakly magnetic granite.
43,10	43,23																			Silica-carbonate alteration associated with a calcite stringer; TCA: 60
43,88	44,00																			Xenolith of a porphyry intrusion
44,45	44,59																			Xenolith of a porphyry intrusion
49,14	50,05													PY	tr					Pervasive silica-carbonate alteration; tr. Pyrite
51,70	52,65													PY	2					Series of 5 calcite-(pyrite) stringers with ~1cm-wide silica-alteration zone; tr-2% pyrite; TCA: 25
53,15	54,00													PY	2					Series of 3 calcite-(pyrite) stringers with ~1cm-wide silica-alteration zone; 1-2% pyrite; TCA: 25
54,65	55,00													PY	3					Pervasive silica-carbonate alteration zone associated with a 4mm-thick quartz-calcite-pyrite vein; TCA: 25; 3% pyrite
55,85	57,90													PY	3					Pervasive silica-carbonate alteration zone associated with a series of pluri-mm-thick calcite-pyrite and calcite-quartz-pyrite veins (8 to 10 per meter; TCA: 20; 2-3% pyrite)
58,15	60,20													PY	2					Pervasive silica-carbonate alteration zone associated with a series of pluri-mm-thick calcite-pyrite and calcite-quartz-pyrite veins (3 to 6 per meter; TCA: 20; 1-2% pyrite)
62,25	62,70													PY	10					Pervasive silica-carbonate alteration zone associated with a 6mm-thick quartz-calcite-pyrite vein; TCA: 25; 10% pyrite
63,50	63,72																			Xenolith of a porphyry intrusion
66,55	66,80																			Pervasive silica-carbonate alteration; no vein or mineralization associated.
68,88	68,89													CPY	tr					Calcite vein with hematite/geothite along the edges; tr-chalcopyrite; TCA: 30.
69,60	70,60																			Pervasive, but weak silica alteration zone associated with few calcite stringers and one quartz vein; TCA: 35
71,33	71,50																			Weak silica alteration zone

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358376 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-10-2009	EASTING:	451511 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	116m
START DATE:	July 12th 2009	Line 5+25; Station 7+375N		CORE SIZE:	NQ
FINISH DATE:	July 13th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
73,15	73,45																			broken cores
73,45	73,85																			Zone with a carbonate alteration associated with calcite stringers; TCA: 35
77,00	77,06																			Weak potassic-silica alteration (K-spar)
81,16	81,32																			Weak potassic-silica alteration (K-spar)
81,99	82,02																			Late hematite-geothite filled fractures; TCA: 50
93,22	93,25																			Quartz vein, no alteration associated; TCA: 50
95,90	98,00																			Series of calcite stringers (~3 per meter; TCA: 30-35) with a cm-wide silica-carbonate alteration zone
98,65	99,05																			Carbonate-silica alteration zone associated with calcite stringers; TCA: 60
100,72	100,83																			Carbonate-silica alteration zone associated with calcite stringers; TCA: 60
103,30	103,30																			Calcite stringer with a 1cm-wide silica alteration zone along the edges; TCA: 20
104,74	104,74																			Calcite stringer with a 1cm-wide silica alteration zone along the edges; TCA: 20
105,15	106,20													PY	2					Down-dip calcite-chlorite-(pyrite) stringers with silica-pyrite alteration zone along the edges; 2% pyrite
106,75	116,00																			Local calcite stringers with pluri-mm-wide silica alteration zone along the edges (1-3 per meter; TCA: ~30)
112,34	112,40													PY	tr					A 2cm-thick aplite dyke or xenolith; tr. Pyrite
116,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358376 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-10-2009	**EASTING:**	451511 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	116m
START DATE:	July 12th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 13th 2009				

Sample	Depth	Depth	Sample	Rock	Assay Results																																		
Number	From	To	Interval	Code	SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543988	4.00	4.50	0.50		H543988	0.65	0	0	0	0.65	0.4	1.21	31	60	2	1.39	<0.50	10	17	72	2.97	0.29	20	0.77	334	<1.00	0.04	17	700	2	<2.00	0	36	0.11	<10.00	37	<10.00	0	49
H543989	5.75	6.50	0.75		H543989	0.66	0	0	0	0.66	1.7	1.26	46	50	3	2.44	<0.50	12	16	187	3.27	0.2	20	0.72	408	<1.00	0.05	17	710	<2.00	<2.00	0	50	0.06	<10.00	20	<10.00	0	51
H543990	6.50	7.20	0.70		H543990	0.23	0	0	0	0.23	0.2	1.22	25	50	3	2.2	<0.50	10	14	83	2.84	0.2	30	0.74	398	<1.00	0.05	17	700	<2.00	<2.00	0	49	0.08	<10.00	23	<10.00	0	51
H543991	10.50	11.50	1.00		H543991	0.01	0	0	0	0.01	<0.20	1.33	4	140	<2.00	0.97	<0.50	9	17	17	2.26	0.72	20	0.82	326	<1.00	0.07	15	670	<2.00	<2.00	0	42	0.17	<10.00	42	<10.00	0	55
H543992	11.50	12.50	1.00		H543992	<0.01	0	0	0	0	<0.20	1.3	4	130	2	1.05	<0.50	9	16	11	2.24	0.67	30	0.83	323	<1.00	0.06	16	650	<2.00	<2.00	0	44	0.17	<10.00	42	<10.00	0	54
H543993	17.00	18.00	1.00		H543993	<0.01	0	0	0	0	<0.20	0.96	6	60	2	2.12	<0.50	8	13	27	2.42	0.24	30	0.76	424	<1.00	0.06	14	670	<2.00	<2.00	0	86	0.08	<10.00	27	<10.00	0	43
H543994	21.25	21.85	0.60		H543994	<0.01	0	0	0	0	<0.20	1.5	2	150	<2.00	0.97	<0.50	12	15	19	2.67	0.8	30	0.98	378	<1.00	0.06	19	870	<2.00	<2.00	0	46	0.18	<10.00	48	<10.00	0	57
H543995	23.10	24.10	1.00		H543995	<0.01	0	0	0	0	<0.20	1.34	3	140	<2.00	1.19	<0.50	10	19	8	2.44	0.62	30	0.85	352	<1.00	0.08	17	700	<2.00	<2.00	0	45	0.18	<10.00	43	<10.00	0	51
H543996	28.65	29.65	1.00		H543996	<0.01	0	0	0	0	<0.20	1.35	4	90	<2.00	1.38	<0.50	10	17	9	2.53	0.41	30	0.89	360	1	0.06	16	710	<2.00	<2.00	0	46	0.16	<10.00	47	<10.00	0	52
H543997	49.10	50.10	1.00		H543997	<0.01	0	0	0	0	<0.20	1.49	5	50	<2.00	2.1	<0.50	10	17	11	2.88	0.15	30	0.94	430	1	0.06	19	790	<2.00	<2.00	0	50	0.11	<10.00	35	<10.00	0	58
H543998	51.70	52.70	1.00		H543998	0.01	0	0	0	0.01	<0.20	1.34	10	60	<2.00	1.33	<0.50	10	15	17	2.46	0.23	20	0.9	357	1	0.05	19	770	<2.00	<2.00	0	49	0.12	<10.00	39	<10.00	0	53
H543999	52.70	52.70	0.00	Blk																																			
H544000	52.70	52.70	0.00	Std																																			
H543551	52.70	53.15	0.45		H543551	<0.01	0	0	0	0	<0.20	1.32	6	60	<2.00	1.34	<0.50	11	16	20	2.46	0.23	20	0.93	353	<1.00	0.04	19	770	<2.00	<2.00	0	46	0.11	<10.00	38	<10.00	0	55
H543552	53.15	54.00	0.85		H543552	<0.01	0	0	0	0	0.6	1.42	3	60	7	1.3	<0.50	12	19	25	2.72	0.25	20	1.01	381	1	0.05	19	830	<2.00	<2.00	0	49	0.13	<10.00	44	<10.00	0	58
H543553	54.00	55.00	1.00		H543553	<0.01	0	0	0	0	1.2	1.29	8	60	16	1.62	<0.50	12	19	30	2.64	0.26	30	0.84	364	<1.00	0.05	16	720	2	<2.00	0	48	0.11	<10.00	38	<10.00	0	51
H543554	55.00	56.00	1.00		H543554	<0.01	0	0	0	0	<0.20	1.31	6	50	<2.00	2.03	<0.50	9	18	10	2.62	0.15	30	0.82	385	<1.00	0.05	17	730	<2.00	<2.00	0	53	0.1	<10.00	39	<10.00	0	52
H543555	56.00	57.00	1.00		H543555	0.02	0	0	0	0.02	<0.20	1.24	15	40	<2.00	2.33	<0.50	10	17	65	2.95	0.14	30	0.76	414	<1.00	0.04	16	710	<2.00	<2.00	0	53	0.05	<10.00	25	<10.00	0	55
H543556	57.00	58.00	1.00		H543556	<0.01	0	0	0	0	<0.20	1.36	8	40	<2.00	2.13	<0.50	10	19	22	2.84	0.15	30	0.83	373	<1.00	0.05	18	750	<2.00	<2.00	0	55	0.08	<10.00	35	<10.00	0	60
H543557	58.00	59.00	1.00		H543557	<0.01	0	0	0	0	<0.20	1.18	12	40	2	2.25	<0.50	9	17	21	2.57	0.15	30	0.71	360	<1.00	0.04	15	690	<2.00	<2.00	0	74	0.04	<10.00	30	<10.00	0	48
H543558	59.00	60.00	1.00		H543558	0.01	0	0	0	0.01	<0.20	1.25	8	40	<2.00	2.44	<0.50	8	16	27	2.61	0.13	30	0.74	383	<1.00	0.05	15	670	<2.00	<2.00	0	78	0.06	<10.00	30	<10.00	0	51
H543559	60.00	61.00	1.00		H543559	<0.01	0	0	0	0	<0.20	1.18	8	40	2	1.61	<0.50	8	15	55	2.33	0.12	30	0.75	355	<1.00	0.05	15	680	<2.00	<2.00	0	53	0.1	<10.00	33	<10.00	0	54
H543560	61.00	62.00	1.00		H543560	<0.01	0	0	0	0	<0.20	1.26	16	50	<2.00	1.61	<0.50	10	18	17	2.48	0.15	30	0.78	358	<1.00	0.05	16	690	<2.00	<2.00	0	55	0.12	<10.00	37	<10.00	0	72
H543561	62.00	63.00	1.00		H543561	1.30	0	0	0	1.3	0.4	1.14	27	50	3	1.78	<0.50	9	16	46	2.53	0.2	30	0.72	379	<1.00	0.04	15	700	<2.00	<2.00	0	45	0.09	<10.00	28	<10.00	0	69
H543562	68.60	69.60	1.00		H543562	<0.01	0	0	0	0	<0.20	1.24	10	50	<2.00	1.72	<0.50	9	18	36	2.47	0.14	30	0.79	374	<1.00	0.06	17	720	<2.00	<2.00	0	54	0.11	<10.00	32	<10.00	0	56
H543563	69.60	70.60	1.00		H543563	<0.01	0	0	0	0	<0.20	1.23	10	50	<2.00	2.21	<0.50	9	17	11	2.5	0.15	30	0.74	399	<1.00	0.05	14	670	<2.00	<2.00	0	55	0.09	<10.00	26	<10.00	0	56
H543564	98.60	99.50	0.90		H543564	<0.01	0	0	0	0	<0.20	1.34	4	110	2	1.62	<0.50	9	18	7	2.58	0.4	30	0.85	390	<1.00	0.06	16	710	<2.00	<2.00	0	46	0.13	<10.00	39	<10.00	0	57
H543565	105.15	106.20	1.05		H543565	<0.01	0	0	0	0	<0.20	1.23	3	90	<2.00	1.4	<0.50	9	18	20	2.39	0.35	20	0.83	351	<1.00	0.05	17	730	<2.00	<2.00	0	40	0.13	<10.00	37	<10.00	0	51

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357999 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-12-2009	EASTING:	451241 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	206m
START DATE:	July 19th 2009	Line 3+00; Station 3+625N		CORE SIZE:	NQ
FINISH DATE:	July 21st 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**3,00**	**3,00**	**OB**																	**Casing/Overburden**
3,00	**7,00**	**4,00**																		**QFP**
																				Dark grey, porphyry of plagioclase, weakly sericitized; Foliation developed; TCA: 35
7,00	**81,65**	**74,65**																		**Granite**
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Locally, it is a Potassic-carbonate alteration (Kspar-calcite) that affects the granite. Magnetism is absent in these altered zones.
7,00	8,00													PY	tr					Pervasive silica-carbonate alteration (due to QFP?). Few calcite stringers associated; TCA: 40; tr. pyrite
8,00	13,30																			Epidote/sericite pervasive alteration affecting the plagioclase (giving the rock a light yellowish-green color). Few pluri-cm wide carbonate alteration/leaching associated with calcite stringers
13,30	20,00																			Unaltered granite; weakly magnetic
13,45	14,00																			Pervasive carbonate alteration zone
13,88	13,90																			Quartz-Kspar (pegmatite) vein; TCA: 80
21,05	21,52																			Pervasive carbonate-(silica) alteration associated with calcite stringers; TCA: 30
22,06	22,47																			Pervasive carbonate-(silica) alteration associated with calcite stringers; TCA: 30
24,50	25,05																			Pervasive carbonate-(silica) alteration associated with calcite stringers; TCA: 15
25,30	28,75																			Pervasive carbonate-(silica) alteration associated with calcite stringers; TCA: 10 to 20; no mineralization associated
31,30	33,30																			Pervasive silica-carbonate alteration associated with calcite stringers; TCA: 20 to 30; no mineralization associated
36,75	37,05													PY	1					Pervasive silica alteration (+leaching) associated with quartz-hematite veins (0,5 cm-thick); TCA: 15; tr-1% pyrite
37,05	39,70																			Silica alteration zone (moderate to strong)
41,00	44,00																			Pervasive silica-calcite alteration zone including two quartz vein (0,5cm-thick) with ankerite alteration along the edges; TCA: 40
46,60	46,85													PY	2					Silica-(pyrite) alteration zone associated with a calcite-(hematite) vein (purple calcite); 1-2% pyrite; TCA: 40
47,40	47,60																			Silica-ankerite(?) alteration zone
48,50	49,50													PY	1					Silica alteration zone (gradational contacts); locally 1% pyrite
49,85	50,80													PY	1					Pervasive silica-sericite/ankerite(?) alteration (caramel color), associated with three quartz veins (1 to 2cm-thick; TCA: 25 and 70); tr-1% pyrite
51,00	51,20													PY	1					Pervasive silica-sericite/ankerite(?) alteration (caramel color), associated with two quartz stringers (TCA: 50); tr-1% pyrite
51,65	51,95													PY	2					Pervasive silica-sericite/ankerite(?) alteration (caramel color), associated with a quartz stringer (TCA: 70); 2% pyrite
53,30	53,52													PY	1					Pervasive silica-sericite(?) alteration associated with a 4cm-thick quartz vein; TCA: 50; tr-1% pyrite in the alteration zone
54,90	56,25																			Pervasive silica alteration/leaching(?) containing a 1cm-thick quartz vein (TCA: 80); tr. of finely disseminated pyrite; presence of leucoxene.
57,10	58,70																			Pervasive silica alteration/leaching(?) containing two quartz vein (<1cm-thick; TCA: 50 and 30); tr. pyrite; locally presence of leucoxene.
60,45	61,24																			Pervasive calcite-Kspar alteration giving the rock a pinkish-orange color
61,40	64,30													PY	tr					Pervasive silica-carbonate alteration zone including very few calcite and quartz stringers (TCA: 45). No mineralization associated. Locally tr. pyrite.
65,25	66,40																			Pervasive carbonate-(silica) alteration zone including a 4cm-thick quartz vein (TCA: 25). No mineralization associated.
68,65	70,20													PY	tr					Pervasive carbonate-(silica) alteration zone including a 10cm-thick quartz vein (TCA: 55). Locally tr. pyrite.
71,45	71,82													PY	tr					Pervasive silica-sericite-carbonate alteration zone containing a 3cm-thick quartz vein; TCA: 60; tr. pyrite
74,00	75,25													PY	1					Pervasive silica-sericite-carbonate alteration zone containing a quartz stringer with 1% pyrite along the edges; TCA: 40;
76,90	79,10													PY	1					Pervasive silica-sericite-carbonate alteration zone containing three quartz veins (1 to 2cm-thick; TCA: 80) tr-1% pyrite as fine disseminated grains
80,90	81,65													PY	1					Strong and pervasive silica-sericite alteration (caramel color) including a 8cm-thick quartz vein (with tr-1% pyrite); TCA: 45
81,65	**104,60**	**22,95**																		**QFP**
																				Dark brownish-green color. Locally with a weak clivage/schistosity developed. Tr pyrite finely disseminated
83,45	84,45													PY	tr					Zone with a clivage developed (TCA: 60). Tr. Pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357999 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-12-2009	EASTING:	451241 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	206m
START DATE:	July 19th 2009	Line 3+00; Station 3+625N		CORE SIZE:	NQ
FINISH DATE:	July 21st 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
94,53	94,54													PY	tr					Narrow quartz vein, TCA: 20; tr pyrite
95,32	95,32													PY	1					Pyrite stringer; TCA: 70; (1% pyrite)
102,00	102,00																			Clivage; TCA: 60
103,30	103,30																			Clivage; TCA: 25
104,60	**113,25**																			**Granite**
																				Almost pervasively silicified. Cross-cut by few quartz veins with pyrite along the edges; Uphole contact at TCA: 60; Downhole contact at TCA: 25
106,50	113,25																			Pervasive silica alteration zone
107,55	107,59													PY	1					Quartz-(pyrite) vein; TCA: 50; 1% pyrite
109,76	109,76													PY	1					Quartz vein + pyrite (tr-1%); TCA: 60
111,75	111,80													PY	3					3% pyrite
111,85	111,90													PY	tr					Quartz-chlorite vein; TCA: 60; tr pyrite
112,12	112,15													PY	1					Quartz-chlorite vein; TCA: 70; 1% pyrite
113,25	**129,90**	**16,65**																		**QFP**
																				Dark brownish-green color. Locally with a weak clivage/schistosity developed. Tr pyrite finely disseminated. Locally potassic alteration (Porp of plagioclase coated by Kspar)
113,47	113,60													PY	1					Quartz stringers (black-grey) with 1% pyrite. Ankerite-silica alteration is associated
119,24	119,25													PY	1					Quartz stringers (TCA: 90); with 1% pyrite
119,38	119,39													PY	1					Quartz stringers (TCA: 90); with 1% pyrite
121,00	121,75																			Broken core
128,15	129,90																			Potassic alteration (porphyry of plagioclase coated by Kspar)
128,94	128,95																			Quartz stringers + ankerite(?)-silica alteration along the edges; TCA: 70
129,90	**130,70**	**0,80**																		**Granite**
																				Idem as the granite from 7,00 - 81,65m
130,70	**133,25**	**2,55**																		**QFP**
																				Dark brownish-green color. Locally with a weak clivage/schistosity developed. Tr pyrite finely disseminated
131,00	131,80																			Clivage/schistosity developed; TCA: 35
133,25	**135,10**	**1,85**																		**Granite**
																				Strongly altered into Kspar-calcite-silica giving the rock a dark orange color
135,10	**138,25**	**3,15**																		**QFP**
																				Reddish color due to pervasive hematization. Locally mylonitized(?). Uphole contact TCA: 45; Downhole contact TCA: 30
138,25	**143,72**	**5,47**																		**Granite**
																				Pervasively altered into calcite-hematite (and/or Kspar). Reddish color
142,80	143,72																			Unaltered granite (weak epidote/sericite) alteration
143,72	**145,13**	**1,41**																		**QFP**
																				Dark brownish-green color. Locally with a weak clivage/schistosity developed. Tr pyrite finely disseminated
145,13	**206,00**	**60,87**																		**Granite**
																				Alternance of epidote-sericite alteration zone and calcite-hematite-Kspar(?) alteration zone
145,70	148,15																			Pervasive calcite alteration zone containing few calcite veins; TCA:70
148,65	149,25																			Pervasive calcite-hematite-Kspar alteration zone
152,00	152,37																			Large xenolith
156,18	156,26																			Calcite-hematite alteration associated with a 0,5cm-thick quartz vein; TCA: 50

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357999 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-12-2009	EASTING:	451241 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	206m
START DATE:	July 19th 2009	Line 3+00; Station 3+625N		CORE SIZE:	NQ
FINISH DATE:	July 21st 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
157,82	166,00																		
174,58	174,68																		
175,10	175,55																		
182,00	185,95																		
182,85	183,20													PY	1				
185,35	185,65													PY	1				
190,00	193,20													PY	1				
193,20	200,85																		
195,40	195,70																		
204,18	204,36													PY	5				
206,00	EOH																		

COMMENTS
Pervasive calcite-hematite-Kspar alteration zone, sharp contact (both downhole and uphole)
Silica-hematite alteration zone associated with a calcite-hematite stringer: TCA: 50
Silica-carbonate-(Ank?) alteration zone associated with a 5cm-thick quartz-calcite-chlorite vein; TCA: 60
Pervasive silica-calcite alteration zone containing local pyrite along calcite stringers
Pyrite alteration zone (1% pyrite)
Pyrite alteration zone (1% pyrite) associated with a pink calcite-(quartz) stringers; TCA: 15
Pervasive silica-hematite alteration containing few quartz-pyrite and calcite-pyrite stringers; 1-2 per meter, TCA: 15 and 35. Locally 1% pyrite.
Strong and pervasive silica-(calcite) alteration (+leaching). Few quartz and calcite stringers associated; TCA: ~50
Broken core
Pyrite stringers associated with hematite-silica alteration along the edges;TCA: 20; 5% pyrite

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357999 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-12-2009	**EASTING:**	451241 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	206m
START DATE:	July 19th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 21st 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results HOLE-ID	FROM	TO	SAMPLE_I	AU_G/TF	AU_G/TFA2	AU_G/TGRA	AU_G/TME	AU_G/TFI	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543672	6.00	7.00	1.00		H543672	0.01	0	0	0	0.01	<0.20	0.75	<2.00	40	2	1.62	<0.50	6	5	5	1.33	0.17	10	0.34	206	<1.00	0.01	7	450	<2.00	<2.00	0	35	0.04	<10.00	5	<10.00	0	25			
H543673	7.00	8.00	1.00		H543673	<0.01	0	0	0	0	<0.20	1.15	<2.00	40	2	1.56	<0.50	8	9	6	2.23	0.17	20	0.6	299	<1.00	0.02	13	650	<2.00	<2.00	0	34	0.07	<10.00	11	<10.00	0	45			
H543674	8.00	8.00	0.00	Blk																																						
H543675	8.00	8.00	0.00	Std																																						
H543676	36.70	37.40	0.70		H543676	0.01	0	0	0	0.01	<0.20	1.12	<2.00	30	<2.00	2.55	<0.50	7	13	19	2.23	0.11	30	0.62	361	1	0.01	12	630	<2.00	<2.00	0	69	0.02	<10.00	19	<10.00	0	39			
H543677	41.60	42.60	1.00		H543677	<0.01	0	0	0	0	<0.20	0.83	2	30	<2.00	2.71	<0.50	8	9	9	2.19	0.12	30	0.66	460	1	0.01	12	630	<2.00	<2.00	0	139	0.01	<10.00	9	<10.00	0	33			
H543678	46.60	47.60	1.00		H543678	<0.01	0	0	0	0	0.2	1.18	<2.00	60	<2.00	1.96	<0.50	8	12	3	2.34	0.12	30	0.75	428	1	0.02	14	650	6	<2.00	0	88	0.07	<10.00	27	<10.00	0	48			
H543679	48.80	49.80	1.00		H543679	<0.01	0	0	0	0	<0.20	1.17	4	30	<2.00	2.26	<0.50	9	12	5	2.37	0.1	30	0.72	411	1	0.01	13	640	2	<2.00	0	123	0.03	<10.00	28	<10.00	0	46			
H543680	49.80	50.80	1.00		H543680	0.65	0	0	0	0.65	<0.20	0.48	13	30	<2.00	2.6	<0.50	8	7	12	2.42	0.12	20	0.69	447	1	0.01	11	600	2	<2.00	0	132	<0.01	<10.00	7	<10.00	0	27			
H543681	50.80	52.00	1.20		H543681	<0.01	0	0	0	0	<0.20	1	2	30	<2.00	2.48	<0.50	9	11	6	2.49	0.1	30	0.73	431	<1.00	0.01	14	640	<2.00	<2.00	0	121	<0.01	<10.00	22	<10.00	0	46			
H543682	53.00	53.60	0.60		H543682	<0.01	0	0	0	0	<0.20	1.16	<2.00	40	<2.00	2.41	<0.50	9	11	6	2.37	0.12	30	0.69	423	1	0.01	13	620	<2.00	<2.00	0	113	0.02	<10.00	21	<10.00	0	42			
H543683	55.15	56.25	1.10		H543683	0.01	0	0	0	0.01	<0.20	1.27	<2.00	30	<2.00	2.14	<0.50	9	12	18	2.49	0.1	20	0.71	353	<1.00	0.01	14	650	<2.00	<2.00	0	68	0.01	<10.00	23	<10.00	0	45			
H543684	57.30	58.00	0.70		H543684	0.03	0	0	0	0.03	0.2	1.04	12	30	<2.00	3.26	<0.50	9	6	25	2.38	0.14	20	0.58	457	1	<0.01	13	580	<2.00	<2.00	0	89	<0.01	<10.00	6	<10.00	0	28			
H543685	58.00	58.70	0.70		H543685	0.01	0	0	0	0.01	<0.20	1.22	4	30	<2.00	2.81	<0.50	8	5	9	2.53	0.13	20	0.68	441	1	<0.01	10	610	<2.00	<2.00	0	97	<0.01	<10.00	7	<10.00	0	37			
H543686	69.00	70.00	1.00		H543686	<0.01	0	0	0	0	<0.20	1.11	2	30	<2.00	2.76	<0.50	7	11	5	2.21	0.13	20	0.58	418	<1.00	0.01	11	580	2	<2.00	0	116	<0.01	<10.00	10	<10.00	0	31			
H543687	71.35	71.90	0.55		H543687	<0.01	0	0	0	0	0.2	1.14	9	30	<2.00	2.8	<0.50	9	9	4	2.49	0.1	20	0.68	469	1	<0.01	13	630	<2.00	<2.00	0	108	<0.01	<10.00	15	<10.00	0	37			
H543688	74.20	74.85	0.65		H543688	0.12	0	0	0	0.12	<0.20	1.36	10	30	<2.00	2.8	<0.50	10	5	4	2.87	0.13	10	0.83	464	2	0.01	11	590	<2.00	<2.00	0	99	<0.01	<10.00	7	<10.00	0	31			
H543689	78.10	79.10	1.00		H543689	0.01	0	0	0	0.01	<0.20	1.13	4	30	<2.00	3.19	<0.50	7	7	8	2.29	0.1	20	0.6	399	<1.00	<0.01	13	630	<2.00	<2.00	0	105	<0.01	<10.00	9	<10.00	0	23			
H543690	80.90	81.65	0.75		H543690	<0.01	0	0	0	0	0.2	0.62	5	30	<2.00	2.57	<0.50	7	8	9	2.31	0.11	20	0.66	374	<1.00	0.02	11	550	<2.00	<2.00	0	98	<0.01	<10.00	8	<10.00	0	23			
H543691	81.65	82.80	1.15		H543691	<0.01	0	0	0	0	0.2	0.8	<2.00	30	15	2	<0.50	6	7	12	1.56	0.09	10	0.37	184	<1.00	0.02	5	390	5	<2.00	0	61	<0.01	<10.00	9	<10.00	0	18			
H543692	83.45	84.45	1.00		H543692	<0.01	0	0	0	0	<0.20	0.8	<2.00	30	<2.00	2.4	<0.50	5	2	10	1.46	0.15	10	0.39	211	<1.00	0.01	3	400	<2.00	<2.00	0	72	<0.01	<10.00	2	<10.00	0	9			
H543693	94.50	95.50	1.00		H543693	0.16	0	0	0	0.16	0.2	0.94	<2.00	30	<2.00	1.81	<0.50	6	4	30	1.78	0.12	10	0.5	170	<1.00	0.01	4	420	<2.00	<2.00	0	51	<0.01	<10.00	6	<10.00	0	12			
H543694	107.30	108.30	1.00		H543694	0.23	0	0	0	0.23	0.3	1.29	9	40	<2.00	1.95	<0.50	11	11	10	2.72	0.12	20	0.72	312	1	0.02	15	630	<2.00	<2.00	0	68	0.03	<10.00	25	<10.00	0	36			
H543695	111.30	112.30	1.00		H543695	4.86	0	0	0	4.86	0.9	1.14	7	30	14	2.52	<0.50	8	8	13	2.39	0.11	30	0.65	341	<1.00	<0.01	14	620	2	<2.00	0	77	<0.01	<10.00	9	<10.00	0	23			
H543696	113.25	114.00	0.75		H543696	0.01	0	0	0	0.01	<0.20	0.91	<2.00	30	<2.00	1.77	<0.50	6	8	40	1.75	0.1	10	0.43	208	<1.00	0.02	5	380	<2.00	<2.00	0	71	<0.01	<10.00	11	<10.00	0	19			
H543697	119.00	119.75	0.75		H543697	0.01	0	0	0	0.01	<0.20	1.05	7	40	<2.00	1.46	<0.50	10	6	27	1.91	0.11	10	0.74	252	<1.00	0.01	11	610	<2.00	<2.00	0	59	<0.01	<10.00	8	<10.00	0	19			
H543698	182.00	182.75	0.75		H543698	<0.01	0	0	0	0	<0.20	1.25	3	40	<2.00	2.36	<0.50	8	14	14	2.44	0.13	30	0.72	405	<1.00	0.02	14	660	<2.00	<2.00	0	71	0.08	<10.00	28	<10.00	0	47			
H543699	182.75	182.75	0.00	Blk																																						
H543700	182.75	182.75	0.00	Std																																						
H543701	182.75	183.30	0.55		H543701	<0.01	0	0	0	0	<0.20	0.8	12	50	<2.00	1.62	<0.50	9	7	55	1.99	0.18	30	0.39	248	1	0.01	14	790	<2.00	<2.00	0	45	0.02	<10.00	9	<10.00	0	22			
H543702	183.30	184.00	0.70		H543702	<0.01	0	0	0	0	<0.20	1.22	2	30	<2.00	2.46	<0.50	8	13	12	2.38	0.11	30	0.71	366	<1.00	0.01	13	680	<2.00	<2.00	0	57	0.02	<10.00	19	<10.00	0	46			
H543703	184.00	185.00	1.00		H543703	<0.01	0	0	0	0	<0.20	1.31	<2.00	40	<2.00	2.72	<0.50	9	16	12	2.54	0.15	30	0.73	444	<1.00	0.02	14	700	<2.00	<2.00	0	70	0.04	<10.00	19	<10.00	0	49			
H543704	185.00	186.00	1.00		H543704	0.20	0	0	0	0.2	0.2	1.11	8	40	<2.00	1.94	<0.50	10	16	76	2.46	0.13	30	0.66	378	<1.00	0.01	12	650	<2.00	<2.00	0	40	0.08	<10.00	22	<10.00	0	43			
H543705	190.00	191.00	1.00		H543705	<0.01	0	0	0	0	0.2	1.2	5	40	<2.00	2.42	<0.50	9	14	61	2.37	0.15	30	0.72	456	<1.00	0.01	14	630	<2.00	<2.00	0	58	0.08	<10.00	22	<10.00	0	46			
H543706	191.00	192.00	1.00		H543706	<0.01	0	0	0	0	<0.20	1.36	<2.00	40	<2.00	2.34	<0.50	10	16	29	2.79	0.11	30	0.8	427	<1.00	0.01	15	810	<2.00	<2.00	0	59	0.08	<10.00	38	<10.00	0	55			
H543707	194.45	195.15	0.70		H543707	0.01	0	0	0	0.01	<0.20	1.2	3	50	<2.00	2.24	<0.50	8	9	23	2.21	0.16	20	0.81	370	1	0.01	14	680	3	<2.00	0	59	<0.01	<10.00	7	<10.00	0	33			
H543708	204.00	204.50	0.50		H543708	<0.01	0	0	0	0	0.2	1.08	3	50	2	1.38	<0.50	10	14	20	2.27	0.16	30	0.68	355	2	0.01	13	680	2	<2.00	0	59	0.13	<10.00	20	<10.00	0	47			
H543509	198.00	198.30	0.30																																							
H543510	96.15	96.40	0.25																																							

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358288 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-13-2009	EASTING:	451341 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	122m
START DATE:	July 15th 2009	Line 4+00; Station 6+50N		CORE SIZE:	NQ
FINISH DATE:	July 16th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	12,00	12,00																		Casing/Overburden
12,00	122,00	110,00																		Granite
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also present locally affecting preferentially the plagioclase giving the rock a light yellowish-green color. Magnetism is absent in the altered zones.
12,00	39,60																			Weakly magnetic granite containing few dm-wide zones of epidote/sericite alteration (not magnetic). Presence of few calcite stringers with only a weak alteration associated
26,55	27,70																			Calcite-(±potassic) alteration (gradational downhole and uphole contacts)
32,64	32,82																			Zone of leaching/silica-carbonate alteration associated with calcite stringers; TCA: 40; presence of leucoxene
37,00	37,50																			Series of calcite stringers with silica alteration along their edges; TCA: 35 and 90+50
39,84	39,86																			Chlorite-quartz vein; TCA: 55; no significant alteration associated
46,35	46,80																			Series of calcite stringers with silica alteration along their edges; TCA: 50
46,90	46,92																			Quartz-chlorite vein; no significant alteration associated; TCA: 35
51,05	51,25																			Quartz-carbonate stringers network associated with a pervasive leaching. No mineralization associated
54,83	54,97																			Silica-carbonate alteration associated with a 5mm-thick quartz-calcite vein; TCA: 40
56,30	60,00																			Zone with a series of down-dip and low-angle calcite stringers with hematite/geothite along their edges (2-3 per meter)
63,50	66,00													PY	tr					Pervasive carbonate-silica alteration (and/or leaching) associated with few calcite/quartz stringers; TCA: 15; tr. Pyrite
70,95	71,05													PY	1					Down-dip calcite veins + carbonate alteration; 1% pyrite
71,40	71,55													PY	2					Down-dip calcite veins + carbonate alteration; 2% pyrite
77,15	78,50													PY	1					Pervasive silica-carbonate alteration zone associated with few narrow calcite veins; TCA: 80; tr-1% pyrite
81,50	81,70																			Calcite-hematite stringers; TCA: 15; weak hematization associated
82,20	83,60													PY	1					Pervasive leached zone (+ hematization); presence of leucoxene; tr.-1% pyrite
82,95	83,05																			Calcite vein (late?; open-space filled fracture)
84,15	94,00																			Series of calcite stringers with a cm-wide silica alteration zone along the edges (2 to 5 per meter; TCA: 45 to 60)
89,85	91,35																			Unaltered granite, weakly magnetic
94,75	95,40																			Weakly leached zone (+ hematization); presence of leucoxene
98,00	98,60																			Series of 5 calcite stringers with a cm-wide zone along the edges; TCA: 55
98,75	100,15																			Unaltered granite, weakly magnetic
101,50	101,85																			Silica pervasive alteration zone associated with several calcite stringers; TCA: 40
102,00	103,20																			Series of calcite stringers with silica alteration zone (cm-wide) along their edges; 5 per meter; TCA: 55
103,80	103,95																			Pervasive carbonate-(silica) alteration; presence of leucoxene
108,00	110,00																			Unaltered granite, weakly magnetic
112,85	115,60																			Unaltered granite, weakly magnetic
116,14	116,21																			Carbonate-silica alteration zone associated with a calcite stringers; TCA: 40
117,00	117,20																			Carbonate alteration zone
118,45	120,55																			Unaltered granite, weakly magnetic
122,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358288 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-13-2009	**EASTING:**	451341 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	122m
START DATE:	July 15th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 16th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
H543566	63.00	64.00	1.00		H543566	<0.01	0	0	0	0	<0.20	1.28	<2.00	30	<2.00	1.77	<0.50	8	14	18	2.57	0.1
H543567	64.00	65.00	1.00		H543567	0.03	0	0	0	0.03	<0.20	1.2	6	30	<2.00	2.78	<0.50	8	11	6	2.48	0.12
H543568	65.00	66.00	1.00		H543568	<0.01	0	0	0	0	<0.20	1.3	2	40	<2.00	2.44	<0.50	9	15	9	2.67	0.13
H543569	70.90	71.70	0.80		H543569	<0.01	0	0	0	0	0.5	1.16	4	40	<2.00	1.7	<0.50	10	14	27	2.39	0.13
H543570	77.00	78.00	1.00		H543570	<0.01	0	0	0	0	<0.20	1.19	2	50	<2.00	2.45	<0.50	8	12	11	2.4	0.18
H543571	78.00	79.00	1.00		H543571	<0.01	0	0	0	0	<0.20	1.24	<2.00	40	2	2.07	<0.50	9	14	10	2.5	0.12
H543572	82.25	83.25	1.00		H543572	0.01	0	0	0	0.01	<0.20	1.24	4	30	<2.00	2.97	<0.50	9	16	9	2.64	0.08
H543508	31.00	31.30	0.30																			

Sample Number	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543566	20	0.85	348	<1.00	0.05	16	670	<2.00	<2.00	0	39	0.11	<10.00	42	<10.00	0	45
H543567	20	0.78	394	<1.00	0.04	13	650	<2.00	<2.00	0	63	0.02	<10.00	22	<10.00	0	38
H543568	30	0.81	405	<1.00	0.05	16	680	<2.00	<2.00	0	46	0.09	<10.00	39	<10.00	0	49
H543569	30	0.81	345	<1.00	0.05	15	660	<2.00	<2.00	0	40	0.1	<10.00	30	<10.00	0	42
H543570	30	0.71	387	<1.00	0.04	15	670	<2.00	<2.00	0	59	0.09	<10.00	19	<10.00	0	47
H543571	30	0.78	391	<1.00	0.04	16	700	<2.00	<2.00	0	50	0.11	<10.00	31	<10.00	0	50
H543572	20	0.84	384	<1.00	0.05	15	650	<2.00	<2.00	0	24	0.09	<10.00	40	<10.00	0	45
H543508	Geochem;																

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358462N; NAD83	AZIMUTH:	0
HOLE NO:	CAR-14-2009	EASTING:	451536E; NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	148m
START DATE:	July17th 2009	Line 6+00; Station 8+20N		CORE SIZE:	NQ
FINISH DATE:	July 18th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**3,00**	3,00	**OB**																	**Casing/Overburden**
3,00	**116,40**	**113,40**																		**Granite**
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Magnetism is absent in the altered zones.
3,00	19,80													PY	5					A series of quartz-pyrite veins/stringers (3 to 5 per meter; TCA: 15) with a 1cm-thick silica alteration/leaching zone along the edges; locally 3-5% pyrite
19,80	31,65																			Unaltered granite; weakly magnetic. Few zones are weakly altered into epidote/sericite and silica along the edges of calcite stringers. Magnetism is abs in these zones
28,97	29,06													PY	tr					Silica alteration zone, tr. Pyrite
29,84	29,94													PY	1					1% pyrite associated with 2 quartz-calcite stringers; TCA: 45
30,55	30,80													PY	tr					Aplite dyke; tr. Pyrite
31,00	31,12																			Strongly leached zone (presence of leucoxene) associated with a calcite vein (TCA: 15).
31,65	36,45																			Zone of pervasive, but weak epidote/sericite alteration affecting the plagioclase giving the rock a light yellowish-green color. Presence of few calcite-(quartz) stringers with silica alteration along their edges (1 per meter; TCA: 45)
38,40	38,90													PY	2					Down-dip calcite-chlorite vein with silica-pyrite alteration zone along the edges. 1-2% pyrite
39,10	39,30													PY	2					Down-dip quartz-pyrite stringer + silica alteration; 1-2% pyrite
40,30	40,70													PY	2					Down-dip quartz-pyrite stringer + silica alteration; 1-2% pyrite
41,10	41,80													PY	2					Down-dip quartz-calcite-pyrite stringer + silica alteration; 1-2% pyrite
42,70	43,00													PY	1					Series of three calcite stringers with a cm-wide silica alteration zone along the edges; tr-1% pyrite
45,30	45,80													PY	2					Down-dip quartz-pyrite stringer + silica alteration; 1-2% pyrite
51,45	51,52													PY	3					Pyrite stringers with silica alteration zone along the edges; TCA: 40; 2-3% pyrite
54,30	116,40																			Pervasive epidote/sericite alteration
54,30	54,85													PY	2					Series of three pyrite-calcite stringers with a pluri-mm wide silica-pyrite alteration zone along the edges; 2% pyrite; TCA: 15
55,05	55,70													PY	2					Almost pervasive silica alteration zone with 2% disseminated pyrite
56,36	56,40													PY	1					Silica-pyrite alteration zone; tr-1% pyrite
56,93	56,94																			Quartz vein, no alteration associated; TCA: 40
58,65	58,85													PY	2					Almost pervasive silica alteration zone with 2% disseminated pyrite
59,60	63,70																			Zone with calcite-hematite stringers with no or weak silica (locally pyrite) alteration along the edges (~2 per meter; TCA: 45)
63,75	63,88													PY	3					Pyrite-calcite vein with a pluri-cm wide silica-(pyrite) alteration zone along the edges; 3% pyrite; TCA: 45
64,45	64,70													PY	2					Pervasive silica-(pyrite) alteration zone associated with calcite-chlorite-(pyrite) stringers; 1-2% pyrite; TCA: 45
65,55	65,85													PY	2					Pervasive silica-(pyrite) alteration zone associated with calcite-chlorite-(pyrite) stringers; 1-2% pyrite; TCA: 30
67,16	68,00													PY	3					Pervasive silica-(pyrite) alteration zone associated with calcite-chlorite-(pyrite) stringers; 2-3% pyrite; TCA: 20 and 0.
68,10	68,50													PY	2					Down-dip calcite-pyrite stringers with pluri-mm wide silica-(pyrite) alteration along the edges; 1-2% pyrite
71,20	72,90													PY	3					Pervasive silica-pyrite alteration zone associated with down-dip quartz-pyrite and calcite stringers; 3% pyrite
75,25	75,55													PY	2					Pervasive silica-pyrite alteration zone associated with calcite-pyrite stringers (TCA: 15); 2% pyrite
75,67	75,93													PY	2					Pervasive silica-pyrite alteration zone associated with calcite-pyrite stringers (TCA: 15); 2% pyrite
77,00	77,14													PY	1					Pervasive silica-pyrite alteration zone associated with calcite-pyrite stringers (TCA: 15); 1% pyrite
79,43	79,52																			Quartz vein (±carbonate) with a cm-wide silica alteration zone along the edges. No pyrite
81,42	81,51													PY	2					Pervasive silica-(pyrite) alteration zone; 1-2% pyrite
82,16	82,19													PY	2					Pervasive silica-(pyrite) alteration zone; 1-2% pyrite
82,36	82,43													PY	2					Pervasive silica-(pyrite) alteration zone; 1-2% pyrite
84,46	84,60													PY	tr					Pervasive silica alteration associated with a calcite-hematite stringers; tr. Pyrite; TCA: 25
85,00	88,00																			Zone with calcite stringers (3 per meter; TCA: 25) with only a mm-wide silica alteration zone. Granite is pink, relatively unaltered
91,20	92,00																			Zone with hematite-goethite alteration along micro-fractures (5 per meter; TCA: various) giving the rock a light orange-red color.

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358462N; NAD83	**AZIMUTH:**	0
HOLE NO:	CAR-14-2009	**EASTING:**	451536E; NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	148m
START DATE:	July17th 2009	**Line 6+00; Station 8+20N**		**CORE SIZE:**	NQ
FINISH DATE:	July 18th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
92,70	93,20																			Zone with carbonate-hematite pervasive alteration giving the rock a rusty red-pink color (+ open-space filled fractures). TCA: 20. No mineralization associated.
94,24	94,31													PY	tr					Quartz vein + silica-calcite-ankerite(?) alteration zone along the edges; tr. Pyrite; TCA: 30
97,17	97,47																			Xenolith of banded iron formation (magnetite bands in alternance with massive to semi-massive pyrite pluri-cm bands; chert-chlorite-actinolite beds are also present).
97,59	97,68																			Xenolith of fine-grained mafic volcanic rock
98,85	101,00													PY	3					Down-dip quartz-(pyrite) vein (1cm-thick) with a pervasive silica-pyrite alteration zone along the edges; 2-3% pyrite
102,00	103,75																			Series of small fractures with a pluri-mm wide silica alteration zone along the edges (7-8 per meter; TCA: ~20)
103,75	104,60													PY	2					Calcite-pyrite small vein (TCA:10) with a 3cm-wide silica alteration zone along the edges; 2% pyrite
104,60	107,40																			Zone of calcite stringers and micro-fractures with a mm-wide altered edges (~5 per meter; TCA: 25-30)
107,40	109,10													PY	3					Series of down-dip calcite-(pyrite)-(quartz) stringers with a pluri-cm wide silica-calcite-(pyrite) alteration zone along their edges; micro-faulted over few mm. 1-3% pyrite
109,10	111,75													PY	10					Pervasive calcite alteration; 5-10% calcite; Cross-cut by few micro-fractures with pluri-mm wide silica alteration zone along their edges. Various TCA
111,75	112,50													PY	4					A 1cm-thick down-dip quartz-pyrite vein with a pluri-cm wide silica-pyrite-calcite alteration zone along the edges; 3-4% pyrite
112,50	113,13													PY	2					Down-dip 1mm-thick chlorite-calcite-pyrite vein with a pluri-mm wide silica-pyrite-calcite alteration zone along the edges; 2% pyrite
114,40	115,45													PY	3					Series of down-dip mm-thick chlorite-calcite-pyrite vein with a pluri-mm wide silica-pyrite-calcite alteration zone along the edges; 3% pyrite
115,72	116,08																			Xenolith of volcanic rock
116,40	**122,20**	**5,80**																		**Gabbro/breccia**
																				Fine- to medium-grained gabbro (gradational contact with previous unit). Locally brecciated and/or large proportion of xenoliths. Clasts/xenoliths are monogenic and partially digested .
116,40	116,80													PY	5					Down-dip quartz-calcite-pyrite 1cm-thick vein with pyrite alteration (5% pyrite)
122,20	**148,00**																			**Mafic volcanic rock**
																				Very fine-grained. Dark green. Cross-cut by several calcite filled fractures. Locally altered into chlorite. Several quartz vein (pluri-cm thick) occur containing pyrite-pyrrhotite-chalcopyrite and locally visible gold.
127,58	127,60													PY	2					Quartz-(calcite) vein + pyrite (2%); TCA: 65
127,50	128,00																			broken cores
128,37	128,45													PY	3					Quartz vein with pyrite along the edges, 3% pyrite; TCA: 55
128,63	128,70													PY	3					Quartz vein with pyrite along the edges, 3% pyrite; TCA: 55
130,25	130,95													CPY	1					Zone with pyrite-(chalcopyrite) stringers and pyrite-quartz stringers with various orientations (TCA: 0 to 90). 5% pyrite; tr-1% Chalcopyrite
130,95	132,25													CPY	2					Down-dip quartz vein containing 2-3% pyrrhotite; 5% pyrite; 1-2% chalcopyrite in the vein and along the edges
132,39	132,42													VG	tr					Quartz-pyrite vein (semi-massive pyrite) containing visible gold (2 grains). TCA: 40
132,79	132,84																			Quartz-calcite vein; TCA: 80
136,07	136,17													PY	1					Calcite-quartz-(pyrite) vein; tr-1% pyrite; TCA: 25
147,10	148,00																			broken cores
EOH																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358462N; NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-14-2009	**EASTING:**	451536E; NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	148m
START DATE:	July17th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 18th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results: SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543929	3.70	4.70	1.00		H543929	<0.01	0	0	0	0	<0.20	1.29	4	80	<2.00	1.49	<0.50	11	19	37	2.68	0.35	20	0.84	365	1	0.03	16	770	<2.00	<2.00	0	40	0.13	<10.00	35	<10.00	0	51
H543930	4.70	5.70	1.00		H543930	<0.01	0	0	0	0	<0.20	1.36	2	120	<2.00	1.03	<0.50	10	18	12	2.36	0.62	30	0.89	320	1	0.04	15	740	<2.00	<2.00	0	49	0.15	<10.00	43	<10.00	0	51
H543931	5.70	6.50	0.80		H543931	<0.01	0	0	0	0	<0.20	1.36	3	110	<2.00	1.22	<0.50	10	17	23	2.47	0.54	30	0.88	346	1	0.04	14	750	<2.00	<2.00	0	48	0.14	<10.00	41	<10.00	0	50
H543932	6.50	7.50	1.00		H543932	<0.01	0	0	0	0	<0.20	1.35	<2.00	130	<2.00	1.08	<0.50	10	19	15	2.44	0.62	20	0.89	327	1	0.03	17	740	<2.00	<2.00	0	43	0.15	<10.00	44	<10.00	0	52
H543933	7.50	8.50	1.00		H543933	<0.01	0	0	0	0	<0.20	1.36	<2.00	130	<2.00	1.25	<0.50	10	18	13	2.44	0.62	20	0.87	343	1	0.04	15	750	<2.00	<2.00	0	45	0.15	<10.00	44	<10.00	0	50
H543934	8.50	9.60	1.10		H543934	<0.01	0	0	0	0	<0.20	1.42	2	170	<2.00	0.84	<0.50	10	18	15	2.44	0.8	30	0.92	315	1	0.04	16	750	<2.00	<2.00	0	45	0.17	<10.00	48	<10.00	0	53
H543935	9.60	11.00	1.40		H543935	<0.01	0	0	0	0	<0.20	1.37	<2.00	130	<2.00	1.13	<0.50	10	17	17	2.48	0.61	30	0.88	333	8	0.04	14	780	<2.00	<2.00	0	48	0.15	<10.00	44	<10.00	0	51
H543936	11.00	12.00	1.00		H543936	<0.01	0	0	0	0	<0.20	1.31	<2.00	50	<2.00	1.14	<0.50	10	18	15	2.51	0.2	30	0.91	367	2	0.04	15	740	<2.00	<2.00	0	47	0.14	<10.00	40	<10.00	0	51
H543937	12.00	13.00	1.00		H543937	<0.01	0	0	0	0	<0.20	1.32	<2.00	70	<2.00	1.13	<0.50	10	18	24	2.49	0.26	20	0.87	368	1	0.04	15	720	<2.00	2	0	47	0.14	<10.00	38	<10.00	0	48
H543938	13.00	14.00	1.00		H543938	<0.01	0	0	0	0	<0.20	1.32	<2.00	80	<2.00	1.03	<0.50	11	20	14	2.47	0.31	20	0.89	360	1	0.05	15	730	<2.00	<2.00	0	48	0.15	<10.00	43	<10.00	0	50
H543939	14.00	15.00	1.00		H543939	0.01	0	0	0	0.01	<0.20	1.38	3	50	2	1.07	<0.50	15	19	58	3	0.15	20	0.9	383	1	0.05	15	740	<2.00	<2.00	0	43	0.12	<10.00	39	<10.00	0	51
H543940	15.00	16.00	1.00		H543940	<0.01	0	0	0	0	<0.20	1.29	2	40	<2.00	1.1	<0.50	10	19	12	2.46	0.13	20	0.89	356	1	0.04	15	730	<2.00	<2.00	0	46	0.13	<10.00	41	<10.00	0	49
H543941	16.00	17.00	1.00		H543941	<0.01	0	0	0	0	<0.20	1.33	3	60	<2.00	0.98	<0.50	10	18	17	2.52	0.21	30	0.9	346	1	0.05	14	720	<2.00	<2.00	0	50	0.14	<10.00	42	<10.00	0	50
H543942	17.00	18.00	1.00		H543942	<0.01	0	0	0	0	<0.20	1.26	<2.00	80	<2.00	1.05	<0.50	11	17	32	2.5	0.33	20	0.82	323	1	0.04	14	730	<2.00	<2.00	0	45	0.14	<10.00	35	<10.00	0	45
H543943	28.95	30.00	1.05		H543943	<0.01	0	0	0	0	<0.20	1.22	5	30	<2.00	0.92	<0.50	11	18	7	2.48	0.08	30	0.89	360	<1.00	0.06	14	690	<2.00	<2.00	0	45	0.14	<10.00	41	<10.00	0	44
H543944	30.00	31.15	1.15		H543944	<0.01	0	0	0	0	<0.20	1.14	2	30	<2.00	1.5	<0.50	7	15	8	2.31	0.09	20	0.79	353	<1.00	0.05	11	580	4	2	0	32	0.1	<10.00	34	<10.00	0	40
H543945	38.30	39.30	1.00		H543945	<0.01	0	0	0	0	<0.20	1.28	5	60	<2.00	1.79	<0.50	11	17	27	2.7	0.21	30	0.84	454	1	0.04	14	810	<2.00	<2.00	0	54	0.14	<10.00	37	<10.00	0	46
H543946	40.30	41.10	0.80		H543946	<0.01	0	0	0	0	<0.20	1.22	<2.00	80	<2.00	1.11	<0.50	9	16	21	2.23	0.39	20	0.77	311	1	0.04	13	680	<2.00	<2.00	0	45	0.14	<10.00	34	<10.00	0	42
H543947	41.10	42.00	0.90		H543947	<0.01	0	0	0	0	<0.20	1.25	3	110	<2.00	1.14	<0.50	10	18	29	2.37	0.56	20	0.77	320	2	0.05	14	670	<2.00	<2.00	0	42	0.15	<10.00	36	<10.00	0	43
H543948	42.00	43.00	1.00		H543948	<0.01	0	0	0	0	<0.20	1.27	4	60	<2.00	1.16	<0.50	9	19	8	2.35	0.27	30	0.83	341	1	0.04	14	700	<2.00	<2.00	0	54	0.15	<10.00	37	<10.00	0	46
H543949	43.00	43.00	0.00	Blk																																			
H543950	43.00	43.00	0.00	Std																																			
H543951	45.25	46.00	0.75		H543951	<0.01	0	0	0	0	<0.20	1.24	6	80	<2.00	1.01	<0.50	11	18	13	2.31	0.34	30	0.82	349	1	0.05	15	680	<2.00	<2.00	0	41	0.14	<10.00	40	<10.00	0	54
H543952	51.30	52.00	0.70		H543952	<0.01	0	0	0	0	<0.20	1.4	2	40	<2.00	1.35	<0.50	11	19	22	2.79	0.15	30	0.91	402	1	0.05	16	740	<2.00	<2.00	0	54	0.15	<10.00	42	<10.00	0	52
H543953	54.30	55.00	0.70		H543953	<0.01	0	0	0	0	<0.20	1.29	4	100	<2.00	1.27	<0.50	11	18	27	2.45	0.45	30	0.82	353	<1.00	0.05	15	730	<2.00	<2.00	0	43	0.15	<10.00	39	<10.00	0	47
H543954	55.00	55.70	0.70		H543954	<0.01	0	0	0	0	<0.20	1.27	6	70	<2.00	1.51	<0.50	13	18	34	2.65	0.3	30	0.82	374	1	0.04	15	730	<2.00	<2.00	0	42	0.13	<10.00	36	<10.00	0	47
H543955	58.40	59.00	0.60		H543955	<0.01	0	0	0	0	<0.20	1.34	<2.00	80	<2.00	1.2	<0.50	10	18	21	2.59	0.36	30	0.91	369	1	0.04	15	760	<2.00	<2.00	0	54	0.15	<10.00	45	<10.00	0	53
H543956	62.00	63.00	1.00		H543956	<0.01	0	0	0	0	<0.20	1.32	<2.00	40	<2.00	1.54	<0.50	9	19	7	2.57	0.14	30	0.88	392	1	0.05	15	720	<2.00	<2.00	0	56	0.14	<10.00	44	<10.00	0	50
H543957	63.00	64.00	1.00		H543957	0.01	0	0	0	0.01	<0.20	1.2	5	40	<2.00	1.58	<0.50	11	17	24	2.63	0.16	30	0.8	366	1	0.03	14	690	<2.00	<2.00	0	44	0.12	<10.00	36	<10.00	0	42
H543958	64.00	65.00	1.00		H543958	<0.01	0	0	0	0	<0.20	1.27	3	40	<2.00	1.79	<0.50	9	16	12	2.35	0.16	20	0.79	389	1	0.04	14	710	<2.00	<2.00	0	65	0.13	<10.00	34	<10.00	0	42
H543959	65.00	66.00	1.00		H543959	<0.01	0	0	0	0	0.2	1.22	6	60	<2.00	1.77	<0.50	10	15	14	2.3	0.33	30	0.75	352	1	0.04	14	690	<2.00	<2.00	0	49	0.12	<10.00	32	<10.00	0	41
H543960	66.00	67.00	1.00		H543960	<0.01	0	0	0	0	<0.20	1.39	<2.00	100	<2.00	1.22	<0.50	9	18	4	2.34	0.55	20	0.81	315	<1.00	0.05	15	680	<2.00	<2.00	0	70	0.17	<10.00	41	<10.00	0	46
H543961	67.00	68.00	1.00		H543961	<0.01	0	0	0	0	<0.20	1.24	6	80	<2.00	1.35	<0.50	12	16	45	2.62	0.34	20	0.77	355	1	0.04	14	710	<2.00	<2.00	0	38	0.13	<10.00	32	<10.00	0	43
H543962	68.00	69.00	1.00		H543962	<0.01	0	0	0	0	<0.20	1.34	3	100	<2.00	1.2	<0.50	9	19	11	2.34	0.54	30	0.8	333	1	0.05	13	680	<2.00	<2.00	0	63	0.16	<10.00	38	<10.00	0	47
H543963	71.00	72.00	1.00		H543963	0.01	0	0	0	0.01	<0.20	1.26	9	60	<2.00	2.15	<0.50	12	12	51	2.92	0.31	20	0.76	400	1	0.04	14	690	7	<2.00	0	51	0.09	<10.00	24	<10.00	0	52
H543964	72.00	73.00	1.00		H543964	<0.01	0	0	0	0	0.5	1.26	8	70	<2.00	1.74	<0.50	12	17	50	2.79	0.33	20	0.77	383	1	0.04	15	690	4	<2.00	0	37	0.12	<10.00	30	<10.00	0	49
H543965	75.00	76.00	1.00		H543965	<0.01	0	0	0	0	<0.20	1.3	3	110	2	1.3	<0.50	11	18	32	2.62	0.6	20	0.8	314	<1.00	0.05	17	730	<2.00	<2.00	0	36	0.13	<10.00	34	<10.00	0	50
H543966	79.25	79.75	0.50		H543966	<0.01	0	0	0	0	<0.20	1.22	<2.00	50	<2.00	1.5	<0.50	8	19	5	2.26	0.25	20	0.8	345	<1.00	0.05	17	700	<2.00	<2.00	0	46	0.13	<10.00	37	<10.00	0	58
H543967	81.30	82.50	1.20		H543967	0.01	0	0	0	0.01	<0.20	1.42	6	90	<2.00	1.28	<0.50	10	20	80	2.58	0.45	20	0.89	375	<1.00	0.06	18	740	<2.00	<2.00	0	50	0.15	<10.00	43	<10.00	0	65
H543968	92.50	93.40	0.90		H543968	<0.01	0	0	0	0	<0.20	1.26	4	20	<2.00	2.75	<0.50	10	20	22	2.46	0.07	20	0.88	414	<1.00	0.05	16	740	<2.00	<2.00	0	44	0.14	<10.00	41	<10.00	0	47
H543969	94.00	94.50	0.50		H543969	<0.01	0	0	0	0	<0.20	1.41	5	30	2	1.45	<0.50	11	20	10	2.58	0.1	20	0.98	408	<1.00	0.04	19	820	<2.00	<2.00	0	59	0.14	<10.00	43	<10.00	0	50
H543970	97.00	97.85	0.85		H543970	0.05	0	0	0	0.05	5.8	2.1	387	90	4	0.87	2.7	34	40	398	10.55	0.12	20	1.34	869	1	0.06	81	780	80	<2.00	0	33	0.12	<10.00	66	<10.00	0	292
H543971	98.85	100.00	1.15		H543971	0.01	0	0	0	0.01	<0.20	1.33	11	50	<2.00	1.71	<0.50	12	17	64	3.19	0.16	20	0.81	429	<1.00	0.03	17	790	<2.00	<2.00	0	24	0.09	<10.00	29	<10.00	0	44
H543972	100.00	101.00	1.00		H543972	0.01	0	0	0	0.01	0.3	1.31	15	50	<2.00	1.8	<0.50	11	18	74	3.12	0.18	20	0.8	444	<1.00	0.04	18	830	<2.00	<2.00	0	32	0.1	<10.00	28	<10.00	0	45
H543973	103.75	104.60	0.85		H543973	0.01	0	0	0	0.01	<0.20	1.45	5	50	<2.00	1.7	<0.50	12	20	41	3.13	0.17	20	0.93	431	<1.00	0.05	19	850	<2.00	<2.00	0	35	0.11	<10.00	37	<10.00	0	51
H543974	104.60	104.60	0.00	Blk																																			
H543975	104.60	104.60	0.00	Std																																			
H543976	107.40	108.40	1.00		H543976	<0.01	0	0	0	0	<0.20	1.7	8	40	<2.00	2.33	<0.50	17	19	103	3.69	0.14	30	1.04	615	1	0.04	22	900	<2.00	<2.00	0	45	0.11	<10.00	37	<10.00	0	59
H543977	108.40	109.40	1.00		H543977	<0.01	0	0	0	0	<0.20	2.21	6	50	<2.00	3.19	<0.50	19	22	92	4.34	0.17	30	1.33	740	1	0.06	26	1140	<2.00	<2.00	0	72	0.14	<10.00	54	<10.00	0	79
H543978	111.60	112.60	1.00		H543978	<0.01	0	0	0	0	<0.20	1.49	5	60	<2.00	2.06	<0.50	12	21	42	3.13	0.22	20	0.91	477	1	0.05	21	780	2	<2.00	0	34	0.13	<10.00	47	<10.00	0	104
H543979	112.60	113.20	0.60		H543979	<0.01	0	0	0	0	<0.20	1.6	6	90	<2.00	1.51	<0.50	15	19	54	3.24	0.34	30	0.96	445	<1.00	0.06	22	850	<2.00	<2.00	0	40	0.15	<10.00	48	<10.00	0	62
H543980	114.35	115.55	1.20		H543980	<0.01	0	0	0	0	<0.20	1.62	2	40	<2.00	1.73	<0.50	12	21	37	3.24	0.17	20	0.94	514	<1.00	0.05	19	820	<2.00	<2.00	0	32	0.13	<10.00	43	<10.00	0	52
H543981	116.40	117.00	0.60		H543981	0.01	0	0	0	0.01	0.2	2.34	18	30	<2.00	2.54	<0.50	46	167	229	5.31	0.15	10	1.23	1045	<1.00	0.04	150	260	<2.00	<2.00	0	23	0.12	<10.00	76	<10.00	0	108
H543982	128.00	129.00	1.00		H543982	0.11	0	0	0	0.11	0.6	2.76	48	20	3	1.55	0.7	37	186	358	6.67	0.16	<10.00	1.37	993	2	0.02	157	170	22	<2.00	0	11	0.11	<10.00	88	<10.00	0	100
H543983	129.00	130.25	1.25		H543983	0.03	0	0	0	0.03	0.4	3.46	66	10	<2.00	3.52	<0.50	43	245	117	7.28	0.08	<10.00	1.73	1515	<1.00	0.03	171	240	2	<2.00	0	19	0.15	<10.00	138	<10.00	0	100
H543984	130.25	131.25	1.00		H543984	0.14	0	0	0	0.14	4	2.17	33	50	5	1.46	1	26	103	1375	6.8	0.23	<10.00	1.04	727	<1.00	0.01	122	150	<2.00	<2.00	0	6	0.08	<10.00	48	<10.00	0	85
H543985	131.25	132.25	1.00		H543985	1.95	0	0	0	1.95	3.6	0.99	460	30	5	0.3	1.2	14	64	945	3.8	0.17	<10.00	0.4	280	<1.00	0.01	63	70	2	<2.00	0	3	0.03	<10.00	23	<10.00	0	72
H543986	132.25	133.00	0.75		H543986	1.74	0	0	0	1.74	2.1	3.37	1030	40	7	4.33	1.1	33	167	401	8.57	0.22	<10.00	1.46	1355	<1.00	0.03	147	220	9	<2.00	0	11	0.07	<10.00	89	<10.00	0	132
H543987	135.90	136.60	0.70		H543987	0.01	0	0	0	0.01	<0.20	3.2	34	10	<2.00	3.6	<0.50	46	212	117	6.02	0.03	<10.00	1.89	1305	3	0.04	145	190	<2.00	<2.00	0	27	0.17	<10.00	113	<10.00	0	77

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358338 N, NAD83	AZIMUTH:	90
HOLE NO:	CAR-15-2009	EASTING:	451404 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	161m
START DATE:	July 18th 2009	Line 7+00; Station 4+625N		CORE SIZE:	NQ
FINISH DATE:	July 19th 2009				

Depth			Rock Type					Structure		ALTERATION Alteration Intensity			CODE	Mineralisation Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
0,00	4,50	4,50	OB																	Casing/Overburden
4,50	161,00	156,50																		Granite
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Locally, it is a Potassic-carbonate alteration (Kspar-calcite) that affects the granite. Magnetism is absent in these altered zones.
4,50	11,75																			Unaltered granite, weakly magnetic; containing few fractures/calcite stringers with silica alteration on the edges
12,00	12,90																			Series of 6 calcite stringers with leaching/silica-carbonate alteration along their edges; TCA: 25
17,65	17,90																			QFP dyke with silica alteration on each sides (and leaching: presence of leucoxene); TCA: 25
19,00	21,05																			Series of low-angle calcite stringers with silica-carbonate alteration/leaching zone along their edges; (2 or 3 per meter; TCA: 15)
25,40	26,80																			Pervasive carbonate alteration + leaching associated with several calcite fine stringers; TCA: 10 and 90+70
28,55	28,85													PY	tr					Pervasive carbonate alteration (ankerite?) associated with a calcite down-dip vein (TCA: 15); tr-1% pyrite as a fine stringer)
29,30	29,65																			Series of three calcite stringers with silica alteration zones along their edges; TCA: 70
30,00	35,00																			Zone with few calcite stringers + silica alteration (1 or 2 per meter; TCA: 60)
35,00	35,50																			Pervasive leaching and/or carbonate alteration. No mineralization associated
38,55	42,50																			Zone with few calcite stringers + silica alteration (2-3 per meter; TCA: 45)
42,80	44,00																			Down-dip calcite stringers with silica alteration zone along the edges (<1cm-wide)
44,60	47,00																			Down-dip calcite stringers with silica alteration zone along the edges (<1cm-wide)
49,70	49,90																			Xenolith of a porphyry intrusion
49,75	51,65																			Strong and pervasive silica alteration zone
51,65	53,60													CPY	tr					Strong and pervasive silica-sericite alteration; tr. Pyrite; tr. Chalcopyrite
53,60	53,85													PY	10					Quartz-pyrite veins; TCA: 30; 10% pyrite
53,85	54,64													PY	tr					Strong and pervasive silica-sericite alteration; tr. Pyrite.
55,00	56,40																			Pervasive silica alteration zone associated with few calcite stringers; TCA: 70
56,40	64,00																			Unaltered granite, weakly magnetic; containing few epidote/sericite and/or silica alteration zones along calcite stringers.
58,47	58,75																			Pervasive calcite alteration (+Kspar?) associated with a quartz-chlorite vein; TCA: 50
65,90	68,00																			Pervasive, but weak to moderate carbonate alteration/leaching. Locally calcite crystals occurs between grains
73,10	74,20																			Pervasive, but moderate carbonate alteration (calcite) associated with few calcite stringers; TCA: 0 and 45
74,55	75,00													PY	1					Series of four calcite stringers with cm-wide silica-carbonate alteration zone along their edges; TCA: 30; tr-1% pyrite
77,10	78,25													PY	1					Series of calcite stringers (>10 over a meter) with cm-wide silica-carbonate alteration zone along their edges; TCA: 30 to 45; tr-1% pyrite; goethite is present as weathering?
79,60	80,65													PY	tr					Pervasive silica-carbonate alteration associated with calcite stringers and one quartz vein (1cm-thick); TCA: 60; tr. Pyrite
89,85	91,90																			Unaltered granite, weakly magnetic
91,90	99,00																			Zone with few calcite stringers (~1 per meter) with a cm-wide carbonate-(silica) alteration zone along the edges; TCA: ~50
99,35	99,65																			Pervasive carbonate alteration associated with few calcite stringers; TCA: 20
100,28	100,50																			Pervasive carbonate alteration associated with few calcite stringers; TCA: 21
100,90	101,60																			Series of five calcite stringers with pluri-cm wide carbonate-(silica) alteration zone along the edges
105,40	106,75																			Pervasive carbonate alteration zone associated with calcite stringers with various orientations
107,50	108,05																			Pervasive carbonate alteration zone associated with calcite stringers with various orientations
108,00	125,00																			Alternance of unaltered granite (weakly magnetic) and epidote/sercite alteration zones. Local silica alteration along the edges of calcite stringers (1 or 2 per meter; TCA: various)
113,54	113,55																			Quartz vein; no alteration associated, no mineralization; TCA: 30
125,00	125,95													PY	tr					Pervasive calcite-silica alteration zone associated with calcite stringers; tr. Pyrite
128,00	128,55																			Silica-carbonate alteration zone associated with calcite stringers; TCA: 25 and 40

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358338 N, NAD83	AZIMUTH:	90
HOLE NO:	CAR-15-2009	EASTING:	451404 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	161m
START DATE:	July 18th 2009	Line 7+00; Station 4+625N		CORE SIZE:	NQ
FINISH DATE:	July 19th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
129,60	129,95																			Carbonate alteration zone associated with a 3cm-thick vein; TCA: 40; No mineralization associated
137,00	137,50																			Silica alteration zone associated with calcite stringers; TCA: 50
141,90	142,30																			Pervasive silica alteration zone (+geothite)
161,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358338 N, NAD83	**AZIMUTH:**	90.00
HOLE NO:	CAR-15-2009	**EASTING:**	451404 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	161m
START DATE:	July 18th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 19th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code
H543657	12.00	12.90		
H543658	17.50	18.30		
H543659	25.40	26.40		
H543660	26.40	27.40		
H543661	28.50	29.65		
H543662	51.65	52.65		
H543663	52.65	53.55		
H543664	53.55	54.25		
H543665	54.25	55.00		
H543666	55.00	56.00		
H543667	58.35	58.85		
H543668	74.50	75.00		
H543669	77.10	78.15		
H543670	79.60	80.65		
H543671	125.00	126.00		

Assay Results

SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
H543657	0.02	0	0	0	0.02	<0.20	1.17	<2.00	80	<2.00	1.66	<0.50	9	16	15	2.33	0.34
H543658	<0.01	0	0	0	0	<0.20	0.76	<2.00	40	2	0.99	<0.50	5	11	5	1.52	0.13
H543659	<0.01	0	0	0	0	<0.20	1.17	<2.00	70	<2.00	1.86	<0.50	8	12	7	2.27	0.29
H543660	<0.01	0	0	0	0	<0.20	1.13	<2.00	40	<2.00	1.72	<0.50	8	15	9	2.21	0.17
H543661	<0.01	0	0	0	0	<0.20	1.18	<2.00	70	<2.00	1.48	<0.50	8	17	14	2.23	0.32
H543662	<0.01	0	0	0	0	<0.20	1.13	5	30	2	2.96	<0.50	12	10	17	2.48	0.13
H543663	0.02	0	0	0	0.02	<0.20	0.82	7	40	3	2.52	<0.50	9	7	26	1.84	0.19
H543664	2.29	0	0	0	2.29	1.6	1.16	46	30	4	2.12	<0.50	11	9	36	3.5	0.16
H543665	<0.01	0	0	0	0	<0.20	1.21	<2.00	60	2	1.88	<0.50	9	15	11	2.35	0.22
H543666	0.01	0	0	0	0.01	<0.20	1.14	<2.00	60	<2.00	2.06	<0.50	9	15	6	2.29	0.24
H543667	<0.01	0	0	0	0	<0.20	1.21	<2.00	60	<2.00	1.54	<0.50	9	15	7	2.32	0.23
H543668	<0.01	0	0	0	0	<0.20	1.12	<2.00	30	<2.00	1.29	<0.50	10	14	9	2.18	0.11
H543669	<0.01	0	0	0	0	<0.20	1.12	<2.00	60	<2.00	2.26	<0.50	9	16	9	2.29	0.24
H543670	<0.01	0	0	0	0	<0.20	1.22	<2.00	100	<2.00	2	<0.50	9	17	14	2.27	0.44
H543671	<0.01	0	0	0	0	<0.20	1.15	<2.00	50	2	2.54	<0.50	9	15	9	2.36	0.15

SAMPLE_I	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543657	20	0.73	352	<1.00	0.03	15	680	2	<2.00	0	48	0.14	<10.00	39	<10.00	0	56
H543658	20	0.43	229	<1.00	0.02	9	440	<2.00	<2.00	0	25	0.08	<10.00	19	<10.00	0	32
H543659	20	0.69	365	<1.00	0.03	13	650	<2.00	<2.00	0	58	0.11	<10.00	29	<10.00	0	51
H543660	30	0.74	357	1	0.03	14	660	<2.00	<2.00	0	49	0.12	<10.00	31	<10.00	0	52
H543661	30	0.72	354	<1.00	0.03	15	680	<2.00	<2.00	0	51	0.14	<10.00	32	<10.00	0	48
H543662	20	0.65	375	<1.00	0.02	13	660	<2.00	<2.00	0	91	0.01	<10.00	15	<10.00	0	40
H543663	20	0.48	360	<1.00	0.01	11	680	<2.00	<2.00	0	65	<0.01	<10.00	7	<10.00	0	20
H543664	10	0.69	293	1	0.01	14	760	<2.00	<2.00	0	30	<0.01	<10.00	19	<10.00	0	38
H543665	20	0.75	362	<1.00	0.03	14	650	<2.00	<2.00	0	56	0.08	<10.00	35	<10.00	0	49
H543666	20	0.69	359	3	0.02	13	650	<2.00	<2.00	0	55	0.08	<10.00	33	<10.00	0	48
H543667	20	0.8	378	<1.00	0.04	14	670	<2.00	<2.00	0	46	0.12	<10.00	33	<10.00	0	51
H543668	20	0.76	337	<1.00	0.03	15	670	<2.00	<2.00	0	45	0.11	<10.00	34	<10.00	0	49
H543669	20	0.72	355	<1.00	0.03	14	650	<2.00	<2.00	0	55	0.12	<10.00	37	<10.00	0	48
H543670	20	0.76	392	<1.00	0.02	16	680	<2.00	<2.00	0	43	0.13	<10.00	29	<10.00	0	53
H543671	30	0.69	397	1	0.03	14	690	<2.00	<2.00	0	59	0.09	<10.00	21	<10.00	0	48

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357822 N, NAD83	AZIMUTH:	0
HOLE NO:	CAR-16-2009	EASTING:	451739 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	134m
START DATE:	July 21th 2009	Line 8+00; Station 1+75N		CORE SIZE:	NQ
FINISH DATE:	July 23rd 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**1,50**	**1,50**	**OB**																	**Casing/Overburden**
1,50	**134,00**	**132,50**																		**Granite**
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Locally, it is a Potassic-carbonate alteration (Kspar-calcite) that affects the granite. Magnetism is absent in these altered zones.
1,50	7,50																			Pervasive carbonate (calcite) alteration zone giving the rock a light grey color. Contains few calcite stringers (Down-dip)
9,85	10,80																			Pervasive carbonate (calcite) alteration zone giving the rock a light grey color. Contains few calcite stringers; TCA: 30
17,27	18,25													PY	tr					Silica-carbonate alteration zone containing one quartz stringers and few calcite stringers; TCA: 70; tr pyrite
18,25	31,00																			Epidotized granite with few calcite stringers (1 to 3 per meter; TCA: 35 to 60) with ~1cm-wide silica alteration zone along their edges. No mineralization associated
33,30	33,45																			Series of two quartz-chlorite-calcite veins associated with a silica pervasive alteration zone; TCA: 60
34,10	34,45													PY	tr					Quartz-chlorite vein + ankerite-silica alteration along the edges; TCA: 10; tr pyrite
35,95	36,05																			Quartz stringers; no mineralization associated
43,00	43,01																			Calcite stringer; TCA: 40
44,00	44,45																			Pervasive silica alteration zone containing fine calcite stringers; TCA: 20
45,00	54,90													PY	1					Pervasive silica alteration zone giving the rock a dark medium grey color. Few quartz stringers associated. Tr-1% pyrite finely disseminated
45,90	46,00													PY	5					5% pyrite as alteration around a quartz stringer; TCA: 45
50,30	50,50																			Aplite dyke, xenolith?
55,90	63,55													PY	1					Pervasive silica alteration zone giving the rock a dark medium grey color. Few quartz stringers associated. Tr-1% pyrite finely disseminated
57,65	57,90													PY	1					Calcite-pyrite vein; TCA: 15; 1% pyrite
58,50	59,15													PY	10					Zone with up to 10% pyrite associated with a quartz-calcite vein; TCA: 20
63,55	73,10																			Strong and pervasive epidote-sericite alteration affecting the plagioclase. Few calcite and/or quartz veins/stringers with silicified edges (~1 per 2 meters; TCA: ~60). No mineralization associated
73,10	81,80													PY	1					Pervasive silica alteration zone giving the rock a dark medium grey color. Few quartz stringers associated. Tr-1% pyrite finely disseminated. Locally se massive pyrite vein (+quartz)
74,00	75,40													PY	10					QFP dyke, silicified(?) with 5-10% pyrite as stringers (parallel to the main clivage); TCA: 60
78,85	78,90													PY	SM					Down-dip semi-massive pyrite vein
79,95	80,27													PY	SM					Semi-massive pyrite vein (+quartz); TCA: 10
81,80	94,00																			Epidotized granite cross-cut by several calcite stringers with a ~10cm-wide silica alteration zone (2-3 per meter; TCA: 20 and 60. No significant mineralization associated
94,00	96,55																			Pervasive silica alteration zone (tr pyrite finely disseminated). Few calcite stringers associated; TCA: 70
98,87	99,60													PY	2					Down-dip pyrite-calcite stringer with local silica alteration along the edges; 1-2% pyrite
103,10	103,50																			Pervasive silica alteration zone including a 1cm-thick quartz vein (+calcite)
104,80	106,10													PY	2					Down-dip pyrite-calcite stringer with local silica alteration along the edges; 1-2% pyrite
110,40	114,70													PY	tr					Pervasive carbonate alteration zone (calcite) giving the rock a light grey color; tr pyrite
115,95	116,47													PY	1					Pervasive silica-carbonate alteration zone including two quartz-chlorite veins (1cm-thick) at 116,19m and 116,23m; TCA: 70; tr-1% pyrite
122,00	123,70													PY	tr					Silica-carbonate alteration zone including a 1cm-thick quartz vein; TCA: 70; tr pyrite
127,23	127,34																			Silica-carbonate alteration zone including a 0,5cm-thick quartz vein; TCA: 55;
131,00	134,00													PY	1					Pervasive silica-carbonate alteration zone; locally 1% pyrite
134,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357822 N, NAD83	**AZIMUTH:**	0.00
HOLE NO:	CAR-16-2009	**EASTING:**	451739 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	134m
START DATE:	July 21th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 23rd 2009				

Sample	Depth	Depth	Sample	Rock	Assay Results																																		
Number	From	To	Interval	Code	SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543709	17.25	18.25	1.00		H543709	<0.01	0	0	0	0	<0.20	1.18	4	50	<2.00	2.12	<0.50	10	13	13	2.21	0.16	20	0.69	411	1	0.02	14	650	<2.00	<2.00	0	60	0.1	<10.00	16	<10.00	0	48
H543710	33.30	34.45	1.15		H543710	<0.01	0	0	0	0	<0.20	1.28	6	30	<2.00	2.05	<0.50	10	14	7	2.43	0.12	30	0.76	424	1	0.01	15	620	<2.00	<2.00	0	71	0.1	<10.00	25	<10.00	0	56
H543711	45.00	46.00	1.00		H543711	0.11	0	0	0	0.11	<0.20	1.11	21	50	<2.00	1.81	<0.50	12	13	245	2.23	0.18	30	0.63	392	1	0.02	15	650	2	<2.00	0	30	0.09	<10.00	14	<10.00	0	54
H543712	46.00	47.00	1.00		H543712	0.19	0	0	0	0.19	0.2	0.94	6	50	<2.00	1.66	<0.50	7	10	150	1.76	0.17	30	0.54	372	<1.00	0.01	12	640	2	<2.00	0	19	0.08	<10.00	12	<10.00	0	40
H543713	47.00	48.00	1.00		H543713	<0.01	0	0	0	0	<0.20	1.17	9	50	<2.00	2.17	<0.50	7	15	22	2.18	0.17	30	0.64	431	<1.00	0.02	14	630	<2.00	<2.00	0	52	0.09	<10.00	15	<10.00	0	49
H543714	48.00	49.00	1.00		H543714	<0.01	0	0	0	0	<0.20	1.15	8	40	<2.00	2.11	<0.50	8	15	6	2.11	0.15	30	0.66	381	1	0.02	13	630	<2.00	<2.00	0	50	0.08	<10.00	14	<10.00	0	47
H543715	49.00	50.00	1.00		H543715	0.01	0	0	0	0.01	<0.20	1.2	10	50	<2.00	2.19	<0.50	8	14	7	2.18	0.19	20	0.69	373	1	0.02	12	630	<2.00	<2.00	0	48	0.08	<10.00	12	<10.00	0	49
H543716	50.00	51.00	1.00		H543716	<0.01	0	0	0	0	<0.20	1.03	7	40	<2.00	1.99	<0.50	7	13	20	1.87	0.16	20	0.61	321	1	0.01	11	550	<2.00	<2.00	0	41	0.06	<10.00	10	<10.00	0	45
H543717	57.50	58.50	1.00		H543717	0.02	0	0	0	0.02	<0.20	1.18	10	50	<2.00	2.45	<0.50	8	10	9	2.14	0.23	30	0.63	414	<1.00	0.01	13	650	<2.00	<2.00	0	50	0.05	<10.00	8	<10.00	0	70
H543718	58.50	59.50	1.00		H543718	5.86	0	0	0	5.86	3.2	0.58	106	50	5	2	<0.50	9	6	268	3.1	0.25	20	0.24	269	2	<0.01	8	550	6	<2.00	0	37	0.01	<10.00	4	<10.00	0	29
H543719	73.10	74.00	0.90		H543719	0.02	0	0	0	0.02	0.2	1.33	27	50	<2.00	1.96	<0.50	10	10	99	2.53	0.19	20	0.71	350	<1.00	0.01	16	690	2	<2.00	0	33	0.06	<10.00	14	<10.00	0	45
H543720	74.00	74.80	0.80		H543720	0.01	0	0	0	0.01	0.2	0.48	14	50	<2.00	1.88	<0.50	5	3	38	0.83	0.21	10	0.17	196	1	<0.01	4	360	<2.00	<2.00	0	32	0.02	<10.00	2	<10.00	0	18
H543721	74.80	75.40	0.60		H543721	3.24	0	0	0	3.24	2.6	0.34	104	50	6	0.7	<0.50	7	2	344	2.35	0.26	10	0.03	72	1	<0.01	3	320	8	<2.00	0	11	0.01	<10.00	1	<10.00	0	5
H543722	75.40	76.40	1.00		H543722	0.07	0	0	0	0.07	0.5	1.19	27	50	2	2.86	<0.50	10	9	415	2.49	0.23	30	0.63	418	1	<0.01	16	800	2	<2.00	0	52	0.06	<10.00	8	<10.00	0	94
H543723	78.30	79.00	0.70		H543723	0.42	0	0	0	0.42	<0.20	1.47	25	50	<2.00	1.91	<0.50	12	15	40	2.77	0.2	30	0.8	424	1	0.01	17	800	3	<2.00	0	40	0.12	<10.00	17	<10.00	0	134
H543724	79.00	79.00	0.00	Blk																																			
H543725	79.00	79.00	0.00	Std																																			
H543726	79.00	79.90	0.90		H543726	0.01	0	0	0	0.01	0.2	1.63	24	40	2	2.67	<0.50	11	19	53	2.91	0.16	30	0.91	497	1	0.02	19	860	2	<2.00	0	63	0.12	<10.00	23	<10.00	0	162
H543727	79.90	80.80	0.90		H543727	>10.00	0	56	0	56	25.9	1.09	318	50	59	1.46	2.8	12	11	274	6.2	0.19	20	0.57	305	1	<0.01	14	630	41	<2.00	0	24	0.06	<10.00	9	<10.00	0	211
H543728	80.80	81.80	1.00		H543728	0.06	0	0	0	0.06	<0.20	1.34	25	50	<2.00	2.48	<0.50	11	14	22	2.49	0.19	30	0.72	450	1	0.01	16	740	<2.00	<2.00	0	51	0.09	<10.00	13	<10.00	0	124
H543729	94.50	95.30	0.80		H543729	0.02	0	0	0	0.02	0.2	1.46	18	40	<2.00	2.68	<0.50	11	13	28	2.62	0.15	30	0.81	477	1	0.01	17	800	<2.00	<2.00	0	80	0.09	<10.00	15	<10.00	0	61
H543730	98.80	99.60	0.80		H543730	0.09	0	0	0	0.09	0.4	1.38	36	50	2	3.1	<0.50	11	13	30	2.67	0.18	20	0.78	566	1	0.01	16	760	<2.00	<2.00	0	84	0.12	<10.00	17	<10.00	0	63
H543731	103.00	103.60	0.60		H543731	0.01	0	0	0	0.01	<0.20	1.2	17	40	<2.00	2.27	<0.50	10	14	19	2.21	0.13	30	0.73	461	1	0.01	15	770	<2.00	<2.00	0	77	0.1	<10.00	16	<10.00	0	53
H543732	104.60	105.50	0.90		H543732	0.13	0	0	0	0.13	0.4	1.27	22	60	2	2	<0.50	9	19	34	2.51	0.18	30	0.71	436	1	0.02	15	750	<2.00	<2.00	0	61	0.13	<10.00	16	<10.00	0	90
H543733	105.50	106.40	0.90		H543733	0.01	0	0	0	0.01	0.2	1.25	15	40	<2.00	1.69	<0.50	9	18	18	2.3	0.14	30	0.73	402	1	0.02	15	730	<2.00	<2.00	0	63	0.12	<10.00	17	<10.00	0	96
H543734	115.90	116.50	0.60		H543734	<0.01	0	0	0	0	0.2	1.2	16	50	<2.00	2.25	<0.50	9	14	3	2.5	0.15	30	0.72	451	1	0.02	15	700	<2.00	<2.00	0	74	0.09	<10.00	16	<10.00	0	55
H543735	122.80	123.80	1.00		H543735	<0.01	0	0	0	0	<0.20	1.18	17	40	<2.00	2.82	<0.50	11	18	6	2.53	0.14	30	0.7	510	1	0.01	15	740	<2.00	<2.00	0	97	0.09	<10.00	16	<10.00	0	55
H543736	132.00	133.00	1.00		H543736	<0.01	0	0	0	0	<0.20	1.4	16	40	<2.00	3.02	<0.50	9	13	13	2.7	0.16	30	0.74	519	1	0.02	15	730	<2.00	<2.00	0	117	0.04	<10.00	13	<10.00	0	56

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358432N; NAD83	AZIMUTH:	240
HOLE NO:	CAR-17-2009	EASTING:	451590E; NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	158
START DATE:	July16th 2009	Line 6+50; Station 7+875N		CORE SIZE:	NQ
FINISH DATE:	July 17th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**3,00**	3,00	**OB**																	**Casing/Overburden**
3,00	**158,00**	**155,00**																		**Granite**
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Magnetism is absent in the altered zones.
6,55	9,15																			Series of calcite stringers with cm-wide silica alteration zone along edges (~3 stringers per meter; TCA: 50)
9,30	9,50																			Silica alteration zone; no vein associated
9,50	28,45																			Weakly magnetic granite; no alteration associated
15,70	16,45																			Pervasive silica alteration; presence of leucoxene
17,30	17,80																			Down-dip micro-fractures with epidote/sericite alteration zone along the edges
19,10	19,20																			Silica alteration zone along fractures; TCA: 45
23,45	23,55																			Silica alteration zone along a 1 cm-thick calcite-chlorite veins; TCA: 60
28,45	40,90																			Granite, not magnetic; pervasive but weak epidote/sericite alteration affecting the plagioclase
33,80	33,90													PY	1					Silica-pyrite alteration zone associated with a 1cm-thick calcite vein; TCA: 85; 1% pyrite
34,00	34,40													PY	2					Silica-pyrite alteration zone associated with a 1cm-thick calcite vein; TCA: 40; 1-2% pyrite
35,05	35,80													PY	3					Series of 4 calcite stringers with a 1cm-wide silica alteration zone; locally pyrite is associated in a proportion of 3%; TCA: 25
38,30	40,00																			Series of calcite stringers with a 1cm-wide silica alteration (3 to 5 per meter; TCA: 35)
42,34	42,55												K	PY	10					Potassic alteration zone (Kspar-biotite) associated with 10% pyrite; foliation is developed. Pyrite parallel to foliation; TCA: 40
42,55	43,25													PY	3					Leaching area (or weak silicification) presence of leucoxene; 2-3% pyrite finely disseminated; 1%Chalcopyrite
43,25	50,30																			Calcite-(Kspar) pervasive alteration
46,30	47,00													CPY	1					Silica/leaching alteration zone; presence of leucoxene. 1% Chalcopyrite; 1% pyrite
50,30	68,60																			Strong and pervasive potassic (Kspar)-calcite-hematite(?) alteration giving the rock a dark purple-orange color. Gradational uphole and downhole contacts
63,25	63,85																			White Kspar alteration zone
69,10	69,80													PY	10					Foliation well-developed; Kspar-biotite and silica-pyrite alteration; 10% pyrite (locally 15%); developed parallel to foliation
69,90	70,40													PY	1					Down-dip quartz-calcite vein; 1% pyrite along the edges
72,10	72,80																			Down-dip calcite vein; no alteration associated
76,00	84,60																			Pervasive, but weak epidote/sericite alteration (affecting plagioclase)
76,15	76,75													PY	tr					Down-dip calcite stringers; silica alteration; tr. Pyrite
80,60	82,10													PY	1					Series of calcite stringers (3 per meter; TCA: 60) with cm-wide silica alteration zone (1% pyrite)
82,25	82,90													CPY	1					Pervasive silica alteration zone; 2% pyrite; tr-1% chalcopyrite as disseminated grains
83,60	83,62																			Calcite-quartz vein; TCA: 20; no alteration associated
83,90	83,91																			Quartz vein; no alteration associated; TCA: 60
84,60	85,25																			Series of calcite stringers (8 on 1 meter; TCA: 50) with a pluri-mm wide silica alteration; zone along the edges
88,00	101,30																			Pervasive, but weak epidote/sericite alteration (affecting plagioclase)
88,15	88,40																			Silica-pyrite pervasive alteration associated with a 2cm-thick calcite vein; TCA: 60; 2% pyrite
89,85	90,00													PY	2					Silica-pyrite alteration zone 2% pyrite
90,65	90,85													PY	10					Pervasive pyrite-silica alteration zone including quartz-pyrite vein; TCA:60; 10% pyrite up to 15%.
94,20	94,50													PY	1					4cm-thick quartz vein (TCA: 10) with pyrite-chalcopyrite (tr-1% pyrite; tr. Chalcopyrite).
94,50	94,95													PY	tr					Pervasive silica-carbonate alteration associated with calcite stringers; TCA: 45; tr. Pyrite
96,70	98,00																			Series of calcite stringers (2 per meter; TCA: 60) with 1cm-wide silica alteration zone along the edges
98,00	98,35													PY	1					Pervasive silica-(pyrite) alteration associated with calcite stringers (TCA: 40); 1% pyrite finely disseminated
98,47	98,56													PY	1					Pervasive silica-(pyrite) alteration associated with calcite stringers (TCA: 55); 1% pyrite finely disseminated
98,62	98,70													PY	1					Pervasive silica-(pyrite) alteration associated with calcite stringers (TCA: 60); 1% pyrite finely disseminated

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358432N; NAD83	AZIMUTH:	240
HOLE NO:	CAR-17-2009	EASTING:	451590E; NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	158
START DATE:	July16th 2009	Line 6+50; Station 7+875N		CORE SIZE:	NQ
FINISH DATE:	July 17th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
98,95	99,60																		
103,00	104,00																		
104,00	113,65																		
104,20	104,50																		
106,00	108,00																		
106,80	107,40													PY	10				
108,66	108,73													PY	2				
110,08	110,47													PY	1				
111,52	111,60																		
113,30	114,70																		
117,80	118,25																		
118,54	118,70																		
119,80	121,80																		
120,10	120,95													PY	5				
121,80	124,10																		
129,50	129,50																		
131,30	132,10																		
131,65	131,65																		
133,10	133,10																		
134,75	135,05																		
136,60	136,77													PY	tr				
137,60	141,75																		
141,75	142,05																		
142,65	143,60																		
144,70	145,30																		
146,00	148,50																		
150,00	151,00																		
151,53	152,06																		
153,85	158,00																		
158,00	EOH																		

COMMENTS
Series of calcite stringers (5 per meter; TCA: 40-60) with (cm-wide silica-alteration zone along the edges)
Series of 8 calcite micro-veins with a pluri-mm to cm-wide silica alteration zone along the edges; TCA: 70
Pervasive, but weak epidote/sericite alteration
Pervasive silica alteration zone; associated with a calcite-biotite-chlorite vein; TCA: 35
Pervasive silica alteration (with gradational contacts: uphole and downhole)
Presence of pyrite as stringers and alteration (5% locally up to 10% pyrite) associated with three 1cm-thick quartz veins and calcite stringers TCA: 70
Silica-pyrite alteration zone along a calcite stringers (TCA: 70); 2% pyrite
Silica-(pyrite) alteration zone associated with down-dip calcite stringers (TCA: 70); 1% pyrite
Silica pervasive alteration; no mineralisation associated
Series of calcite stringers and micro-fractures with local silica alteration associated along the edges; TCA: various
Pervasive silica alteration zone; tr. Pyrite associated with a series of calcite stringers; TCA: 55
Pervasive silica alteration zone; tr. Pyrite associated with a series of calcite stringers; TCA: 55
Pervasive silica alteration (with gradational contacts: uphole and downhole)
Presence of pyrite as stringers and alteration (5% pyrite) associated with a series of quartz veins, locally semi-massive pyrite @ 120,75; TCA: 70
Pervasive epidote-sericite weak alteration affecting plagioclase
Hematite (specularite)-calcite vein (5mm-thick); TCA: 25; no alteration associated
Pervasive silica alteration; presence of leucoxene
1cm-thick quartz vein, no mineralisation associated; TCA: 45
Specularite vein or open-space filled fracture, calcite and voids associated; TCA: 40
Silica pervasive alteration associated with a 1cm-thick quartz-chlorite vein; presence of leucoxene; TCA:35
Silica pervasive alteration associated with a calcite-chlorite vein; TCA:30; tr. Pyrite
Magnetic granite, not altered
Silica alteration zone associated with a 2cm-thick quartz-hematite vein; TCA: 55
Silica alteration zone associated with a series of quartz-muscovite-hematite stringers; TCA: 50
Silica alteration zone associated with a series of quartz-muscovite-hematite stringers; TCA: 50
Series of silica alteration zone (~15-20cm wide) associated with calcite stringers; TCA: 50; no mineralization associated
Weak silica alteration zone associated with quartz and quartz-chlorite calcite veins; TCA: 15; presence of leucoxene
Potassic-silica alteration; no mineralisation associated
Series of calcite stringers with few mm-wide silica alteration zone along the edges; (~5 per meter); TCA: 60

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358432N; NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-17-2009	**EASTING:**	451590E; NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	158.00
START DATE:	July16th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 17th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results: SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543877	15.50	16.50	1.00		H543877	<0.01	0	0	0	0	<0.20	1.4	3	90	<2.00	1.94	<0.50	10	21	8	2.79	0.32	30	0.95	395	1	0.06	15	740	<2.00	<2.00	0	41	0.15	<10.00	48	<10.00	0	56
H543878	33.75	34.75	1.00		H543878	0.01	0	0	0	0.01	<0.20	1.32	<2.00	50	<2.00	2.22	<0.50	12	18	227	2.62	0.19	30	0.77	399	2	0.05	14	720	<2.00	<2.00	0	54	0.11	<10.00	29	<10.00	0	45
H543879	34.75	35.80	1.05		H543879	0.02	0	0	0	0.02	<0.20	1.4	<2.00	40	<2.00	1.83	<0.50	12	19	30	2.79	0.12	30	0.95	422	1	0.05	16	1020	<2.00	<2.00	0	68	0.16	<10.00	47	<10.00	0	58
H543880	42.25	43.25	1.00		H543880	1.20	0	0	0	1.2	0.8	1.83	54	50	5	0.55	<0.50	13	21	128	4.12	0.22	10	1.5	372	3	0.07	18	900	2	<2.00	0	9	0.06	<10.00	74	<10.00	0	54
H543881	46.25	47.00	0.75		H543881	0.64	0	0	0	0.64	0.3	1.91	<2.00	40	8	0.5	<0.50	9	22	1035	3.43	0.15	20	1.61	409	<1.00	0.06	19	930	2	<2.00	0	8	0.07	<10.00	91	<10.00	0	57
H543882	47.00	48.00	1.00		H543882	0.98	0	0	0	0.98	0.7	1.92	<2.00	40	2	0.72	<0.50	10	22	16	3.15	0.15	20	1.59	409	<1.00	0.09	19	950	<2.00	<2.00	0	10	0.11	<10.00	114	<10.00	0	56
H543883	59.00	60.00	1.00		H543883	0.05	0	0	0	0.05	<0.20	1.49	<2.00	30	<2.00	0.58	<0.50	11	21	1	4.01	0.1	20	1.39	321	<1.00	0.08	17	880	<2.00	<2.00	0	10	0.12	<10.00	36	<10.00	0	41
H543884	63.00	64.00	1.00		H543884	0.21	0	0	0	0.21	0.3	1.54	<2.00	40	<2.00	0.61	<0.50	10	22	<1.00	2.51	0.13	20	1.65	280	<1.00	0.07	15	980	<2.00	<2.00	0	10	0.09	<10.00	100	<10.00	0	38
H543885	68.60	69.10	0.50		H543885	0.02	0	0	0	0.02	0.2	2.13	2	20	<2.00	0.48	<0.50	9	21	<1.00	3.29	0.07	20	2.31	401	<1.00	0.07	15	840	<2.00	<2.00	0	10	0.1	<10.00	79	<10.00	0	76
H543886	69.10	69.80	0.70		H543886	0.73	0	0	0	0.73	0.6	1.58	41	40	4	0.49	<0.50	12	17	239	3.45	0.18	10	1.53	285	1	0.05	16	760	3	<2.00	0	5	0.07	<10.00	58	<10.00	0	57
H543887	69.80	70.60	0.80		H543887	0.11	0	0	0	0.11	<0.20	1.66	<2.00	30	<2.00	3.02	<0.50	6	19	10	2.81	0.09	20	1.39	462	<1.00	0.06	14	750	<2.00	<2.00	0	30	0.13	<10.00	47	<10.00	0	64
H543888	76.00	77.00	1.00		H543888	<0.01	0	0	0	0	<0.20	1.55	<2.00	60	<2.00	1.16	<0.50	11	19	3	2.82	0.16	30	1.1	422	<1.00	0.05	14	760	<2.00	<2.00	0	43	0.14	<10.00	38	<10.00	0	54
H543889	77.00	78.00	1.00		H543889	<0.01	0	0	0	0	<0.20	1.44	3	50	<2.00	1.16	<0.50	11	19	3	2.55	0.14	30	0.95	374	1	0.07	14	730	<2.00	<2.00	0	54	0.14	<10.00	39	<10.00	0	47
H543890	80.50	81.50	1.00		H543890	0.01	0	0	0	0.01	<0.20	1.46	5	40	<2.00	1.08	<0.50	10	20	6	2.64	0.12	30	1.05	383	1	0.06	14	720	<2.00	<2.00	0	47	0.13	<10.00	43	<10.00	0	50
H543891	81.50	82.25	0.75		H543891	<0.01	0	0	0	0	<0.20	1.54	2	40	<2.00	1.61	<0.50	11	21	9	2.9	0.14	30	1.05	399	1	0.07	14	720	<2.00	<2.00	0	47	0.12	<10.00	46	<10.00	0	54
H543892	82.25	83.00	0.75		H543892	0.37	0	0	0	0.37	<0.20	1.49	24	40	2	1.04	<0.50	11	17	159	3.03	0.16	20	1.06	379	<1.00	0.05	14	740	<2.00	<2.00	0	20	0.1	<10.00	39	<10.00	0	59
H543893	83.00	84.00	1.00		H543893	<0.01	0	0	0	0	<0.20	1.54	2	40	<2.00	1.56	<0.50	9	20	14	2.75	0.12	20	1.02	423	<1.00	0.07	14	740	<2.00	<2.00	0	71	0.15	<10.00	37	<10.00	0	55
H543894	84.00	85.25	1.25		H543894	<0.01	0	0	0	0	0.2	1.42	5	40	<2.00	1.21	<0.50	10	20	21	2.51	0.09	30	0.97	383	1	0.06	16	730	<2.00	<2.00	0	54	0.13	<10.00	39	<10.00	0	53
H543895	88.00	88.75	0.75		H543895	0.01	0	0	0	0.01	<0.20	1.48	9	50	<2.00	1.56	<0.50	9	20	28	2.62	0.13	20	0.89	435	1	0.07	16	720	<2.00	<2.00	0	57	0.14	<10.00	38	<10.00	0	58
H543896	88.75	89.75	1.00		H543896	<0.01	0	0	0	0	<0.20	1.46	11	40	<2.00	1.25	<0.50	10	22	11	2.54	0.1	30	0.91	419	1	0.06	17	740	<2.00	<2.00	0	65	0.16	<10.00	41	<10.00	0	55
H543897	89.75	90.65	0.90		H543897	0.01	0	0	0	0.01	<0.20	1.48	17	50	<2.00	1.69	<0.50	11	19	20	2.71	0.14	30	0.85	423	1	0.06	16	730	<2.00	<2.00	0	51	0.14	<10.00	41	<10.00	0	60
H543898	90.65	91.65	1.00		H543898	0.64	0	0	0	0.64	0.6	1.16	164	60	3	1.78	<0.50	9	14	127	3.18	0.27	20	0.6	355	1	0.03	15	690	<2.00	<2.00	0	23	0.06	<10.00	15	<10.00	0	50
H543899	91.65	91.65	0.00	Blk																																			
H543900	91.65	91.65	0.00	Std																																			
H543901	91.65	92.15	0.50		H543901	0.45	0	0	0	0.45	0.4	1.48	56	50	2	1.96	<0.50	12	13	94	3.56	0.27	20	0.82	447	<1.00	0.03	16	940	2	<2.00	0	38	0.09	<10.00	31	<10.00	0	65
H543902	92.15	92.75	0.60		H543902	<0.01	0	0	0	0	<0.20	1.45	10	70	<2.00	1.15	<0.50	10	19	12	2.48	0.21	30	0.89	405	1	0.07	17	760	<2.00	<2.00	0	76	0.16	<10.00	43	<10.00	0	56
H543903	94.10	95.00	0.90		H543903	<0.01	0	0	0	0	<0.20	1.34	11	60	<2.00	1.95	<0.50	10	18	19	2.55	0.15	20	0.79	422	<1.00	0.05	15	680	<2.00	<2.00	0	52	0.12	<10.00	27	<10.00	0	51
H543904	96.70	97.75	1.05		H543904	<0.01	0	0	0	0	<0.20	1.42	6	40	<2.00	1.38	<0.50	10	19	6	2.44	0.11	30	0.84	418	1	0.07	16	730	<2.00	<2.00	0	82	0.15	<10.00	33	<10.00	0	56
H543905	97.75	98.75	1.00		H543905	<0.01	0	0	0	0	<0.20	1.44	4	70	<2.00	1.69	<0.50	10	18	8	2.69	0.22	30	0.84	434	1	0.05	17	740	<2.00	<2.00	0	50	0.13	<10.00	34	<10.00	0	58
H543906	98.75	99.60	0.85		H543906	0.03	0	0	0	0.03	0.2	1.47	6	90	<2.00	1.89	<0.50	10	20	12	2.65	0.29	30	1.03	415	1	0.06	16	1130	<2.00	<2.00	0	115	0.14	<10.00	39	<10.00	0	57
H543907	106.00	106.80	0.80		H543907	<0.01	0	0	0	0	<0.20	1.45	15	60	<2.00	2.31	<0.50	9	18	20	2.66	0.22	30	0.74	430	1	0.06	14	720	<2.00	<2.00	0	57	0.1	<10.00	26	<10.00	0	54
H543908	106.80	107.40	0.60		H543908	1.04	0	0	0	1.04	1.8	1.09	89	60	<2.00	2.19	<0.50	8	10	428	3.03	0.31	20	0.5	317	1	0.02	13	680	3	<2.00	0	55	0.04	<10.00	10	<10.00	0	40
H543909	107.40	108.00	0.60		H543909	<0.01	0	0	0	0	0.2	1.28	15	50	<2.00	2.62	<0.50	10	16	12	2.48	0.19	30	0.68	433	1	0.04	14	730	<2.00	<2.00	0	73	0.08	<10.00	20	<10.00	0	53
H543910	108.00	109.00	1.00		H543910	0.06	0	0	0	0.06	0.3	1.29	23	50	<2.00	1.34	<0.50	9	16	89	2.52	0.2	30	0.7	360	1	0.04	14	730	<2.00	<2.00	0	53	0.11	<10.00	31	<10.00	0	51
H543911	109.00	110.00	1.00		H543911	<0.01	0	0	0	0	<0.20	1.37	10	40	<2.00	1.03	<0.50	11	22	5	2.38	0.1	30	0.83	398	1	0.06	16	730	<2.00	<2.00	0	74	0.13	<10.00	33	<10.00	0	55
H543912	110.00	111.00	1.00		H543912	<0.01	0	0	0	0	<0.20	1.33	7	50	<2.00	1.63	<0.50	10	17	8	2.46	0.13	30	0.79	417	1	0.06	15	710	<2.00	<2.00	0	48	0.12	<10.00	35	<10.00	0	53
H543913	113.30	114.00	0.70		H543913	<0.01	0	0	0	0	<0.20	1.33	5	50	<2.00	2.02	<0.50	10	18	7	2.48	0.13	30	0.8	436	1	0.05	15	720	<2.00	<2.00	0	70	0.12	<10.00	33	<10.00	0	54
H543914	114.00	114.70	0.70		H543914	<0.01	0	0	0	0	<0.20	1.41	6	110	<2.00	1.25	<0.50	10	18	12	2.45	0.34	30	0.85	372	<1.00	0.07	14	730	<2.00	<2.00	0	64	0.16	<10.00	42	<10.00	0	57
H543915	119.60	120.10	0.50		H543915	<0.01	0	0	0	0	<0.20	1.43	12	50	<2.00	2.16	<0.50	10	19	12	2.65	0.13	30	0.84	416	1	0.06	15	750	<2.00	<2.00	0	69	0.12	<10.00	38	<10.00	0	59
H543916	120.10	120.95	0.85		H543916	9.42	0	0	0	9.42	6.5	1.15	84	50	13	2.28	<0.50	18	12	215	4.1	0.24	20	0.58	312	2	0.03	14	610	5	<2.00	0	44	0.01	<10.00	12	<10.00	0	56
H543917	120.95	121.80	0.85		H543917	0.01	0	0	0	0.01	<0.20	1.41	10	40	<2.00	2.45	<0.50	9	19	15	2.73	0.12	30	0.83	376	10	0.05	16	740	<2.00	<2.00	0	51	0.1	<10.00	35	<10.00	0	63
H543918	131.30	132.10	0.80		H543918	0.05	0	0	0	0.05	0.3	1.64	4	40	<2.00	1.73	<0.50	12	39	2	3.23	0.13	30	1.15	442	1	0.06	24	790	<2.00	<2.00	0	36	0.15	<10.00	44	<10.00	0	62
H543919	132.10	133.00	0.90		H543919	0.01	0	0	0	0.01	<0.20	1.47	<2.00	40	<2.00	0.99	<0.50	10	20	<1.00	2.52	0.11	20	1.07	386	<1.00	0.06	17	780	<2.00	<2.00	0	52	0.14	<10.00	37	<10.00	0	51
H543920	133.00	134.00	1.00		H543920	<0.01	0	0	0	0	<0.20	1.38	<2.00	40	<2.00	0.86	<0.50	10	21	1	3.03	0.1	30	1.02	378	<1.00	0.06	17	730	<2.00	<2.00	0	46	0.14	<10.00	59	<10.00	0	49
H543921	134.00	135.10	1.10		H543921	<0.01	0	0	0	0	<0.20	1.33	2	40	<2.00	1.37	<0.50	9	18	<1.00	2.51	0.1	30	0.98	395	1	0.06	15	710	<2.00	<2.00	0	34	0.12	<10.00	36	<10.00	0	50
H543922	141.75	142.65	0.90		H543922	<0.01	0	0	0	0	<0.20	1.23	<2.00	130	<2.00	1.65	<0.50	9	18	3	2.36	0.16	20	0.79	343	2	0.06	14	700	<2.00	<2.00	0	49	0.09	<10.00	35	<10.00	0	47
H543923	142.65	143.65	1.00		H543923	<0.01	0	0	0	0	<0.20	1.25	<2.00	50	<2.00	2.85	<0.50	8	12	7	2.55	0.17	30	0.76	401	1	0.04	13	770	<2.00	<2.00	0	73	0.03	<10.00	19	<10.00	0	38
H543924	143.65	143.65	0.00	Blk																																			
H543925	143.65	143.65	0.00	Std																																			
H543926	143.65	144.65	1.00		H543926	<0.01	0	0	0	0	<0.20	1.49	<2.00	40	<2.00	1.49	<0.50	10	18	6	2.76	0.12	30	0.97	411	2	0.05	16	810	<2.00	<2.00	0	48	0.13	<10.00	38	<10.00	0	53
H543927	144.65	145.35	0.70		H543927	<0.01	0	0	0	0	<0.20	1.37	<2.00	50	<2.00	2.66	<0.50	9	15	3	2.59	0.16	30	0.79	445	1	0.05	14	730	<2.00	<2.00	0	91	0.07	<10.00	27	<10.00	0	48
H543928	150.00	151.00	1.00		H543928	<0.01	0	0	0	0	<0.20	1.39	<2.00	60	<2.00	1.9	<0.50	10	19	10	2.68	0.14	30	0.87	456	3	0.05	16	730	<2.00	<2.00	0	49	0.11	<10.00	31	<10.00	0	55
H543501	140.20	140.50	0.30																				Standard																
H543506	67.55	67.85	0.30																																				
H543507	105.35	105.75	0.40																																				

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358490 N, NAD83	AZIMUTH:	245
HOLE NO:	CAR-18-2009	EASTING:	451650 E, NAD83	INCLINATION:	-60
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	237m
START DATE:	July 27th 2009	Line 7+00; Station 8+50N		CORE SIZE:	NQ
FINISH DATE:	July 28th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**9,00**	**9,00**																		**Casing/Overburden**
9,00	**132,20**	**123,20**																		**Granite**
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				Affected by several alterations including: -epidote/sericite giving the rock a light yellowish color; -potassic(kspar)-carbonate (calcite) giving the rock a dark reddish color; -silicification along veins/stringers/fractures giving the rock a grey color. Weakly magnetic where no alteration affects the granite
9,00	12,90																			Weakly magnetic granite; no alteration except few silica alteration zone along the edges of calcite stringers
12,90	23,30																			Epidote/sericite pervasive alteration
13,50	13,58																			silica alteration zone; presence of leucoxene (due to leaching?)
13,70	13,70																			Calcite vein; TCA: 35
15,10	15,35													PY	1					Weak silica alteration; tr-1% pyrite
18,35	21,65													PY	tr					Weak silica alteration zone (and/or leaching); presence of leucoxene; locally tr. Pyrite
23,30	28,20													PY	tr					Strong silica-carbonate alteration zone (and/or leaching); few calcite narrow stringers; presence of leucoxene; locally tr. Pyrite
28,20	32,10																			Pervasive potassic-carbonate alteration (Kspar-calcite) giving the rock a dark red color. Gradational uphole contact with the silica alteration zone as well as the downhole contact with unaltered granite
34,80	34,95																			Hematite vein/filled fracture; TCA: 15
38,10	38,27																			Leached zone (presence of leucoxene) associated with a 5mm-thick calcite vein
42,30	42,33																			Quartz vein (TCA: 25); no alteration associated
42,90	43,70																			Weak silica alteration zone and/or leaching; presence of leucoxene
44,35	44,65																			Large xenolith of a porphyry intrusion
45,80	48,00												K							Pervasive potassic-carbonate alteration (Kspar-calcite) giving the rock a dark orange color
48,00	106,00												K							Strong and pervasive potassic(?)-carbonate-hematite alteration giving the rock a dark purple color. Abundance of voids and cracks suggest weathering?
69,54	69,62																			Aplite dyke; TCA: 40
94,80	94,81																			Jasper-hematite vein (TCA: 60) associated with a zone of leaching along the edges (pluri-cm wide)
96,50	96,75																			Zone with no hematite alteration (white-beige color); voids and cracks are present
106,00	107,85																			Carbonate (siderite-calcite) pervasive alteration (+ voids and cracks); most likely associated with weathering
107,85	108,70																			Silica alteration zone + leaching (presence of leucoxene); no mineralization associated
109,25	113,00												K							Strong and pervasive potassic(?)-carbonate-hematite alteration giving the rock a dark purple color. Abundance of voids and cracks suggest weathering?
110,05	110,70												K							Aplite dyke (?) with strong potassic alteration
112,05	112,20												K							Aplite dyke (?) with strong potassic alteration
113,00	132,20																			Granite with pervasive carbonate alteration (calcite); local hematization giving the rock a dark purple color
114,80	115,25													PY	2					Pervasive carbonate-silica-pyrite alteration zone (1-2% disseminated pyrite)
126,85	127,30																			xenolith of gabbro
131,80	132,20													PY	2					Contact zone with a mafic unit underneath (gradational); up to 50% of xenolith which contain 2% pyrite as disseminated grains
132,20	**205,65**	**73,45**																		**Gabbro/breccia**
														PY	**2**					**Fine- to medium-grained gabbro (or volc.?) (gradational contact with previous unit). Locally brecciated and/or large proportion of xenoliths. Clasts/xenoliths are monogenic; "snake-skin"-like texture. Locally 1-2% disseminated pyrite grains**
132,55	132,85																			Granite dyke (or xenolith?)
132,85	133,85													PY	1					Very fine-grained gabbro, hematization gives the rock a dark black-green color with some purple-ish reflections; 1% pyrite, locally as stringers along with 1% chalcopyrite
133,85	136,20																			Pegmatite dyke cross-cut by four quartz veins (0,5mm-thick; TCA: 65); locally strong weathering (+ voids). TCA: down-dip?
136,85	137,00																			broken cores
143,10	143,20													PY	tr					Quartz-calcite veins; TCA: 75; tr. Pyrite; no alteration associated
145,60	145,70													PY	7					Clasts of pyrite with hematite (iron fm?); 7% pyrite
146,41	146,43													PY	7					Clasts of pyrite with hematite (iron fm?); 7% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358490 N, NAD83	AZIMUTH:	245
HOLE NO:	CAR-18-2009	EASTING:	451650 E, NAD83	INCLINATION:	-60
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	237m
START DATE:	July 27th 2009	Line 7+00; Station 8+50N		CORE SIZE:	NQ
FINISH DATE:	July 28th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
148,00	148,45																		
152,65	152,67																		
156,20	156,30													CPY	1				
157,15	158,50																		
165,25	165,75													PY	15				
166,68	166,69													PY	2				
172,45	172,66													PY	10				
174,28	174,35													Py	2				
174,57	174,57													CPY	1				
175,68	175,70													PY	SM				
181,94	181,95													PY	M				
182,07	182,34													PY	25				
186,45	187,05													PY	3				
186,95	187,00																		
187,13	187,25																		
192,40	192,40																		
194,60	194,95																		
195,00	195,50																		
198,45	198,65																		
200,10	201,00																		
205,65	**225,85**	**20,20**																	
206,20	207,50													PY	2				
206,58	206,60													PY					
207,50	207,60																		
208,40	208,90																		
215,75	216,00																		
217,00	220,00													PY	2				
220,85	221,00																		
224,30	224,75													PY	tr				
225,85	**237,00**	**11,15**																	
231,15	231,35																		
234,45	235,70																		
236,15	236,60																		
237,00	EOH																		

COMMENTS
A 5cm-thick pegmatite dyke; TCA: 20
A 2cm-thick pegmatite dyke; TCA: 50
Down-dip quartz stringer containing tr-1% chalcopyrite; no alteration associated
Down-dip 3cm-thick pegmatite vein
Dislocated and partially digested xenoliths/clasts of iron formation(?) and/or massive sulphide (pyrite-magnetite/hematite); 10-15% pyrite; sphalerite?
Quartz vein + pyrite (2%); TCA: 60; no alteration associated
Xenolith of iron formation; 10% pyrite; hematite (or massive sulphide?)
Quartz stringer with 1-2% pyrite associated
Quartz-chalcopyrite stringers; TCA: 70; 1% chalcopyrite
Pyrite-quartz vein (almost massive pyrite); TCA: 30
A 0,5cm-thick massive pyrite vein; TCA: 50
Quartz-calcite vein with semi-massive sulphide (pyrite); 25% pyrite; TCA: 35
Silica (?) alteration zone with 2-3% pyrite as stringers
Quartz vein; TCA: 25
Pervasive and strong epidote alteration
Calcite-pyrite stringers; TCA: 40
Two quartz-calcite-(pyrite) veins; (TCA: 15 and 90+25); tr. Chalcopyrite; Kspar alteration along the edges
Series of calcite-(pyrite) stringers; TCA ~45; no alteration associated
Down-dip pegmatite vein
Pervasive silica (?) alteration associated with a 3cm-thick quartz-calcite vein; presence of leucoxene
Mafic volcanic rock
Fine-grained; Dark-green color; locally magnetic. Cross-cut by several calcite vein (open-space fracure filling)
Potassic and/or ankerite alteration; 1-2% pyrite associated
Pyrite bleb
Iron formation (jaspe-chert-pyrite); xenolith?
broken core
broken core
Zone with calcite open-space filled fracture; Kspar alteration associated with pyrite stringers; 1-2% pyrite
Quartz-Kspar vein; no mineralization associated; TCA: 25
Quartz-Kspar vein; tr. Pyrite; TCA: 30
Gabbro
Fine- to medium-grained gabbro (or volc.?) (gradational contact with previous unit). Locally brecciated and/or large proportion of xenoliths. Clasts/xenoliths are monogenic (+ locally iron formation). Magnetic
Xenolith of iron formation (magnetite)
Down-dip calcite-quartz vein (5mm-thick); no alteration associated
Dyke of tonalite

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358490 N, NAD83	**AZIMUTH:**	245.00
HOLE NO:	CAR-18-2009	**EASTING:**	451650 E, NAD83	**INCLINATION:**	-60.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	237m
START DATE:	July 27th 2009			**CORE SIZE:**	NQ
FINISH DATE:	July 28th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM
H543573	25.65	26.35	0.70		H543573	<0.01	0	0	0	0	<0.20	1.68	<2.00	30	<2.00	0.34	<0.50	11	14	2
H543574	26.35	26.35	0.00	Blk																
H543575	26.35	26.35	0.00	Std																
H543576	26.35	27.35	1.00		H543576	0.01	0	0	0	0.01	<0.20	1.37	3	40	<2.00	0.33	<0.50	8	14	<1.00
H543577	114.50	115.30	0.80		H543577	0.01	0	0	0	0.01	<0.20	1.93	<2.00	60	<2.00	4.12	<0.50	13	19	8
H543578	131.70	132.20	0.50		H543578	0.01	0	0	0	0.01	<0.20	3.62	<2.00	20	<2.00	5.63	<0.50	19	12	4
H543579	132.20	132.85	0.65		H543579	<0.01	0	0	0	0	<0.20	4.55	4	20	<2.00	3.26	<0.50	18	8	9
H543580	132.85	133.85	1.00		H543580	0.28	0.3	0	0	0.28	<0.20	3.49	5	10	<2.00	3.09	<0.50	28	42	357
H543581	133.85	134.50	0.65		H543581	0.01	<0.01	0	0	0.01	<0.20	0.28	<2.00	10	<2.00	2.14	<0.50	2	6	18
H543582	155.80	156.50	0.70		H543582	0.16	0.09	0	0	0.16	<0.20	4.18	4	10	<2.00	2.02	<0.50	59	221	296
H543583	165.10	165.85	0.75		H543583	0.03	0.03	0	0	0.03	<0.20	4.23	13	10	2	2.62	<0.50	58	201	362
H543584	172.00	173.00	1.00		H543584	0.01	0	0	0	0.01	<0.20	3.4	9	<10.00	<2.00	3.66	<0.50	72	205	459
H543585	174.00	175.00	1.00		H543585	0.01	0	0	0	0.01	<0.20	3.29	29	10	<2.00	0.96	<0.50	58	249	306
H543586	175.00	176.00	1.00		H543586	0.16	0	0	0	0.16	0.3	2.78	64	10	<2.00	1.17	<0.50	62	280	50
H543587	181.80	182.40	0.60		H543587	>10.00	0	15.65	0	15.65	5.9	2.23	232	20	25	8.15	<0.50	40	111	389
H543588	182.40	183.20	0.80		H543588	0.03	0	0	0	0.03	<0.20	5.07	51	20	<2.00	2.52	<0.50	53	218	185
H543589	186.30	187.30	1.00		H543589	0.04	0	0	0	0.04	0.3	3.21	17	10	<2.00	5.05	<0.50	31	255	206
H543590	194.50	195.50	1.00		H543590	0.01	0	0	0	0.01	<0.20	2.42	24	40	<2.00	4.4	<0.50	22	17	73
H543591	200.00	201.00	1.00		H543591	0.01	0	0	0	0.01	<0.20	3.02	15	40	<2.00	4.4	<0.50	23	18	14
H543592	206.45	207.65	1.20		H543592	0.04	0	0	0	0.04	<0.20	3.22	40	40	<2.00	4.05	<0.50	20	21	107
H543593	208.75	209.35	0.60		H543593	>10.00	0	25.3	0	25.3	20.2	3.17	124	30	116	4.85	<0.50	42	18	96
H543594	217.00	218.00	1.00		H543594	0.02	0	0	0	0.02	<0.20	3.58	3	10	<2.00	5.1	<0.50	27	13	129
H543595	218.00	219.00	1.00		H543595	0.01	0	0	0	0.01	<0.20	3.61	<2.00	20	<2.00	3.94	<0.50	26	14	91
H543596	224.20	225.00	0.80		H543596	0.01	0	0	0	0.01	<0.20	1.34	5	40	<2.00	3.13	<0.50	12	10	8
H543504	47.25	47.60	0.35																	
H543505	99.32	99.67	0.35																	

Sample Number	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543573	3.04	0.12	20	1.47	244	<1.00	0.04	16	710	2	<2.00	0	6	0.06	<10.00	22	<10.00	0	39
H543576	2.65	0.14	10	1	210	<1.00	0.05	14	720	<2.00	2	0	7	0.06	<10.00	24	<10.00	0	36
H543577	3.2	0.19	20	1.27	632	<1.00	0.05	20	1060	<2.00	<2.00	0	96	0.13	<10.00	30	<10.00	0	55
H543578	7.69	0.06	10	1.94	1815	<1.00	0.04	28	840	2	<2.00	0	148	0.12	<10.00	57	<10.00	0	89
H543579	10.45	0.05	10	2.22	2120	<1.00	0.04	40	930	2	5	0	86	0.14	<10.00	65	<10.00	0	111
H543580	8.87	0.04	10	1.73	1570	<1.00	0.04	49	870	2	<2.00	0	26	0.12	<10.00	70	<10.00	0	98
H543581	0.85	0.03	10	0.09	396	1	0.07	3	50	<2.00	2	0	15	0.02	<10.00	6	<10.00	0	6
H543582	8.64	0.03	<10.00	2.27	1910	<1.00	0.04	183	180	<2.00	<2.00	0	22	0.18	<10.00	197	<10.00	0	103
H543583	13.3	<0.01	<10.00	1.78	2360	<1.00	0.02	158	120	2	<2.00	0	10	0.08	<10.00	224	<10.00	0	92
H543584	12.2	0.01	<10.00	1.77	1705	<1.00	0.04	132	200	<2.00	<2.00	0	20	0.12	<10.00	156	<10.00	0	80
H543585	7.34	0.03	<10.00	1.64	1430	<1.00	0.05	157	240	<2.00	<2.00	0	20	0.19	<10.00	181	<10.00	0	82
H543586	7.12	0.07	<10.00	1.4	1250	42	0.07	162	240	4	<2.00	0	11	0.2	<10.00	180	<10.00	0	73
H543587	8.33	0.12	<10.00	0.94	1720	<1.00	0.03	93	140	13	<2.00	0	46	0.08	<10.00	79	<10.00	0	67
H543588	12.3	0.06	<10.00	2.26	2660	<1.00	0.03	147	190	<2.00	<2.00	0	27	0.13	<10.00	220	10	0	148
H543589	5.95	0.03	<10.00	2.42	1245	<1.00	0.03	84	1000	<2.00	<2.00	0	77	0.16	<10.00	144	<10.00	0	78
H543590	4.51	0.18	10	1.48	876	<1.00	0.03	41	710	<2.00	<2.00	0	33	0.14	<10.00	52	<10.00	0	66
H543591	5.55	0.14	<10.00	1.73	1090	<1.00	0.04	46	800	<2.00	<2.00	0	29	0.18	<10.00	89	<10.00	0	73
H543592	7.33	0.16	10	1.49	985	<1.00	0.03	20	840	<2.00	<2.00	0	36	0.02	<10.00	66	<10.00	0	64
H543593	8.45	0.15	<10.00	1.19	908	<1.00	0.03	43	650	10	<2.00	0	49	0.01	<10.00	92	<10.00	0	65
H543594	8.04	0.03	<10.00	1.56	1315	<1.00	0.04	35	680	2	<2.00	0	92	0.01	<10.00	229	<10.00	0	86
H543595	8.26	0.05	<10.00	1.52	1255	<1.00	0.05	21	660	3	<2.00	0	64	0.02	<10.00	219	<10.00	0	92
H543596	2.61	0.13	10	0.79	468	1	0.04	26	430	<2.00	<2.00	0	37	<0.01	<10.00	41	<10.00	0	28

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358441 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-19-2009	EASTING:	451546 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	110m
START DATE:	July 28th 2009	Line 6+25; Station 8+00N		CORE SIZE:	NQ
FINISH DATE:	July 29th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	1,00	1,00	OB																	Casing/Overburden
1,00	110,00	109,00																		Granite
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Locally, it is a Potassic-carbonate alteration (Kspar-calcite) that affects the granite. Magnetism is absent in these altered zones.
2,85	3,20													PY	5					Two quartz-pyrite vein (~1cm-thick) associated with a pervasive silica alteration zone. Pyrite also occurs as stringers and as alteration; 5% Pyrite; TCA (vein): 55
3,45	4,00													PY	4					Zone with pyrite stringers and quartz-pyrite stringers associated with a pervasive silica-calcite alteration; 3-4% pyrite; TCA: 50-60
7,25	11,30																			Zone with Kspar alteration (moderate to strong)
9,55	9,56																			Quartz vein; no mineralization associated; TCA: 30
11,30	15,00																			Zone with Kspar-calcite pervasive alteration
15,00	15,83																			Pervasive silica-carbonate (ank?) alteration zone. Presence of leucoxene. Tr. Pyrite
17,30	32,60																			Alternance of Kspar-calcite alteration zones and sericite/epidote alteration zone. Very few calcite-quartz-(pyrite) stringers associated
26,35	27,25																			Series of calcite-quartz stringers (2-3 per meter; TCA: 40). Pyrite is associated, in a proportion of 1-2%.
29,00	29,60																			Series of calcite stringers (~15 per meter) with no significant alteration associated.
32,60	36,25																			Unaltered granite (not magnetic)
36,25	39,65																			Pervasive and penetrative silica-carbonate (calcite) alteration giving the rock a light grey color. Pyrite in stringers and veins (~1%)
36,95	36,96													PY	M					Massive pyrite vein (+quartz); 0,5 cm-thick, TCA: 65
37,64	37,66													PY	M					2cm-thick massive pyrite vein; TCA: 65
38,81	38,83													PY	10					Pyrite-quartz stringer; TCA: 55; 10% pyrite
45,05	48,39													PY	tr					Pervasive and penetrative silica-carbonate (calcite) alteration giving the rock a light grey color. Tr. Pyrite. Contacts are gradational
48,39	54,50																			Unaltered granite
50,30	50,55																			Pervasive, but weak calcite alteration
57,25	57,60													PY	3					Pervasive silica alteration zone associated with four pyrite-quartz stringers (TCA: 60); 3% pyrite
57,92	58,04													PY	3					Pervasive silica alteration zone including one pyrite-calcite stringer (TCA: 60); 2-3% pyrite
58,47	58,54													PY	tr					Pervasive silica alteration zone associated with a calcite stringer; TCA: 50. Tr. Pyrite
64,30	65,00																			Calcite-(Kspar) alteration zone; weak to moderate
66,90	67,00																			Pervasive silica-calcite alteration zone associated with a calcite stringer
67,26	67,32																			Pervasive silica-calcite alteration zone associated with a calcite stringer
69,40	71,12													PY	3					Pervasive silica-calcite alteration zone associated with local pyrite and pyrite-quartz stringers; locally 2-3% pyrite
69,70	69,71													PY						Pyrite stringer; TCA: 60
70,60	70,72													PY						Pyrite-quartz stringer; TCA: 60
73,75	74,45													PY						Series of ten calcite-pyrite stringers; TCA: 50-60; silica alteration only along their edges
86,20	86,80																			Calcite-(Kspar) alteration zone
86,80	88,00																			Pervasive, but weak silica-carbonate alteration zone associated with calcite stringers (~7 per meter); TCA: 50
89,85	92,00													PY	1					Pervasive silica-(carbonate) alteration zone; tr-1% pyrite
92,00	92,70													PY	15					Series of cm-thick quartz-pyrite veins (>10); TCA 70 and 30; 10-15% pyrite as massive veins
92,70	94,25													PY	1					Pervasive silica-(carbonate) alteration zone; tr-1% pyrite
98,90	104,25																			Unaltered granite, weakly magnetic
104,40	104,80																			Pervasive silica alteration zone; no mineralization associated
107,30	107,85																			Pervasive leaching(?) giving the rock a light grey color. One stringer/vein associated @ 107,65m; TCA: 70
110,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358441 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-19-2009	EASTING:	451546 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	110m
START DATE:	July 28th 2009			CORE SIZE:	NQ
FINISH DATE:	July 29th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543597	2.80	3.40	0.60		H543597	0.95	0	0	0	0.95	<0.20	1.26	20	40	<2.00	0.78	<0.50	11	17	106	3.14	0.16	30	0.82	330	<1.00	0.05	13	690	<2.00	<2.00	0	16	0.09	<10.00	30	<10.00	0	46
H543598	3.40	4.10	0.70		H543598	0.78	0	0	0	0.78	0.4	1.02	26	20	<2.00	0.31	<0.50	11	14	107	2.68	0.1	20	0.72	251	<1.00	0.02	14	680	<2.00	<2.00	0	8	0.05	<10.00	23	<10.00	0	39
H543599	4.10	4.10	0.00	Blk																																			
H543600	4.10	4.10	0.00	Std																																			
H543601	15.00	16.00	1.00		H543601	0.14	0	0	0	0.14	<0.20	1.85	9	30	<2.00	1.03	<0.50	9	19	43	3.11	0.12	20	1.73	357	<1.00	0.05	16	750	3	<2.00	0	17	0.09	<10.00	87	<10.00	0	53
H543602	26.30	27.30	1.00		H543602	<0.01	0	0	0	0	<0.20	1.33	2	40	<2.00	1.01	<0.50	10	21	29	2.49	0.1	30	0.96	365	<1.00	0.06	14	730	<2.00	2	0	59	0.14	<10.00	40	<10.00	0	50
H543603	36.00	36.75	0.75		H543603	<0.01	0	0	0	0	<0.20	1.28	<2.00	50	<2.00	1.67	<0.50	8	19	18	2.52	0.15	30	0.78	392	<1.00	0.05	13	690	<2.00	<2.00	0	48	0.12	<10.00	38	<10.00	0	52
H543604	36.75	37.75	1.00		H543604	0.70	0	0	0	0.7	0.6	1.16	98	40	<2.00	2.73	0.9	9	15	154	4.36	0.19	20	0.61	415	<1.00	0.04	13	640	3	<2.00	0	55	0.05	<10.00	16	<10.00	0	98
H543605	37.75	38.60	0.85		H543605	0.28	0	0	0	0.28	0.2	1.13	179	40	<2.00	2.15	<0.50	9	15	98	2.91	0.2	30	0.59	365	<1.00	0.03	12	690	2	<2.00	0	34	0.04	<10.00	13	<10.00	0	53
H543606	38.60	39.20	0.60		H543606	0.35	0	0	0	0.35	<0.20	1.2	85	50	<2.00	2.16	<0.50	11	13	115	3.25	0.23	20	0.61	376	<1.00	0.04	13	700	2	<2.00	0	38	0.05	<10.00	13	<10.00	0	51
H543607	39.20	40.00	0.80		H543607	0.01	0	0	0	0.01	<0.20	1.31	16	40	<2.00	2.06	<0.50	10	18	23	2.66	0.12	30	0.78	404	<1.00	0.05	14	710	<2.00	2	0	49	0.1	<10.00	35	<10.00	0	57
H543608	45.00	46.00	1.00		H543608	<0.01	0	0	0	0	<0.20	1.36	11	80	<2.00	2.43	<0.50	9	17	16	2.66	0.33	30	0.8	418	<1.00	0.06	13	720	2	3	0	63	0.1	<10.00	35	<10.00	0	49
H543609	46.00	47.00	1.00		H543609	<0.01	0	0	0	0	<0.20	1.31	13	50	<2.00	2.67	<0.50	9	17	12	2.56	0.22	30	0.69	375	<1.00	0.04	14	690	<2.00	<2.00	0	70	0.04	<10.00	29	<10.00	0	42
H543610	47.00	48.15	1.15		H543610	0.01	0	0	0	0.01	<0.20	1.26	22	50	<2.00	2.67	<0.50	9	15	30	2.57	0.23	30	0.68	416	<1.00	0.03	13	680	2	<2.00	0	85	0.03	<10.00	22	<10.00	0	43
H543611	57.25	58.05	0.80		H543611	0.50	0	0	0	0.5	0.6	1.19	39	70	2	1.54	<0.50	10	17	51	2.69	0.29	20	0.67	366	<1.00	0.03	14	690	3	<2.00	0	41	0.11	<10.00	26	<10.00	0	54
H543612	69.40	70.40	1.00		H543612	0.29	0	0	0	0.29	0.4	1.24	21	60	<2.00	2.14	<0.50	9	19	44	2.61	0.24	30	0.67	373	<1.00	0.04	14	690	<2.00	<2.00	0	43	0.1	<10.00	23	<10.00	0	67
H543613	70.40	71.15	0.75		H543613	0.05	0	0	0	0.05	0.3	1.28	21	50	<2.00	2.37	<0.50	10	17	70	2.51	0.19	40	0.7	378	<1.00	0.03	15	690	<2.00	<2.00	0	48	0.09	<10.00	24	<10.00	0	74
H543614	73.60	74.50	0.90		H543614	<0.01	0	0	0	0	0.2	1.25	6	60	<2.00	1.29	<0.50	9	19	27	2.43	0.19	20	0.73	340	<1.00	0.04	14	680	<2.00	<2.00	0	55	0.13	<10.00	29	<10.00	0	46
H543615	86.80	87.80	1.00		H543615	<0.01	0	0	0	0	<0.20	1.29	4	50	<2.00	2.38	<0.50	9	19	14	2.57	0.15	30	0.72	442	<1.00	0.04	14	710	<2.00	<2.00	0	52	0.12	<10.00	24	<10.00	0	55
H543616	90.00	91.00	1.00		H543616	0.01	0	0	0	0.01	<0.20	1.31	8	40	<2.00	2.37	<0.50	8	17	33	2.75	0.15	30	0.73	416	<1.00	0.04	13	780	<2.00	<2.00	0	84	0.05	<10.00	31	<10.00	0	63
H543617	91.00	92.00	1.00		H543617	0.48	0	0	0	0.48	0.6	1.21	16	40	8	2.58	<0.50	10	16	20	2.47	0.16	30	0.65	392	<1.00	0.03	12	650	9	<2.00	0	93	0.02	<10.00	20	<10.00	0	57
H543618	92.00	92.70	0.70		H543618	>10.00	0	48	0	48	25.2	0.63	291	30	188	1.12	1.1	14	10	705	6.01	0.19	10	0.26	196	<1.00	0.01	15	340	127	<2.00	0	30	0.01	<10.00	5	<10.00	0	87
H543619	92.70	94.00	1.30		H543619	0.09	0	0	0	0.09	0.2	1.35	13	50	<2.00	2.42	<0.50	10	21	29	2.73	0.17	30	0.75	387	1	0.04	16	740	<2.00	<2.00	0	82	0.04	<10.00	25	<10.00	0	55

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358391 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-20-2009	EASTING:	451546 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	116m
START DATE:	July 29th 2009	Line 6+25; Station 7+25N		CORE SIZE:	NQ
FINISH DATE:	July 30th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	3,00	3,00	OB																	Casing/Overburden
3,00	116,00	113,00																		Granite
																				Coarse-grained, pinkish and dark green color; comp: qtz (20%); plagio (20%); Kspar (40%); chlorite/biotite (20%)
																				The rock is weakly magnetic due to disseminated magnetite. Silicification occurs along micro-fractures and stringers where present. These silicification zones are usually cm-wide to pluri-cm wide and very locally pervasive. A weak epidotization and/or sericitization is also affecting the rock pervasively affecting preferentially the plagioclase giving the rock a light yellowish-green color. Locally, it is a Potassic-carbonate alteration (Kspar-calcite) that affects the granite. Magnetism is absent in these altered zones.
4,20	4,65																			broken core
4,50	4,80													PY	tr					Series of calcite stringers with silica-carbonate alteration along the edges; TCA: 60; tr. Pyrite
6,58	6,67																			Series of calcite-goethite vein (late fracture filling); TCA: 60
7,30	7,60													PY	1					Series of calcite stringers with silica-carbonate alteration along the edges; TCA: 60; 1% Pyrite
11,90	12,90													PY	1					Down-dip micro-fractures with silica alteration along the edges; locally 1% pyrite
12,94	12,95																			Calcite-chlorite vein with carbonate alteration; TCA: 60
13,75	14,00																			Pervasive carbonate alteration/leaching associated with a down-dip calcite stringer
17,27	17,37													PY	3					Pervasive silica alteration zone associated with pyrite-calcite stringers; TCA: 50; 2-3% pyrite
17,55	17,70													PY	3					Pervasive silica alteration zone associated with pyrite-calcite stringers; TCA: 50; 2-3% pyrite
18,65	19,13													PY	5					Series of seven pyrite-(calcite/quartz) stringers/veins with a silica pervasive alteration associated; TCA: 50; 5% pyrite
19,40	24,10													PY	2					Zone with calcite-(±pyrite)-(±quartz) stringers (4 to 6 per meter; TCA: 40 to 50) with a cm-wide silica alteration zone along their edges. Locally 1-2% pyrite
20,42	20,45													PY	5					A 3cm-thick quartz-pyrite vein with silica alteration zone along the edges; TCA: 50; 5% pyrite
25,84	27,75													PY	3					Zone with calcite (±geothite/hematite) stringers (4 to 5 per meter; TCA: 50) with carbonate alteration along the edges; with local pyrite (2-3%);
30,05	30,20													PY	3					Pervasive silica alteration associated with pyrite stringers (TCA: 45); 3% pyrite
35,90	36,02													PY	5					Pervasive silica alteration zone associated with a 1cm-thick pyrite vein; TCA: 50; 5% pyrite
36,40	36,58													PY	5					Pervasive silica alteration zone associated with a quartz stringer (TCA: 60) and pyrite stringers (TCA: 50); 5% pyrite
37,53	37,68													PY	4					Pervasive silica alteration zone associated with a 2cm-thick quartz vein (TCA: 60) 4% pyrite in the alteration zone
37,83	37,90													PY	3					Pervasive silica alteration zone associated with pyrite stringers; (TCA: 60); 3% pyrite
39,25	39,80													PY	5					Pervasive and strong silica alteration associated with a quartz-pyrite vein @ 39,53-39,62m; TCA: 80; locally 5% pyrite
39,80	42,22													PY	3					Series of calcite-pyrite stringers with local silica alteration along their edges; (4 per meter; TCA: 50); locally 2-3% pyrite
48,28	49,00													PY	1					Pervasive silica-carbonate alteration (calcite); tr-1% pyrite as disseminated grains
50,90	51,50													PY	1					Series of 6 pyrite-calcite stringers with local silica alteration along their edges; TCA: 50; 1% pyrite
51,50	52,35													PY	5					Pervasive and strong silica alteration associated with a quartz-calcite-pyrite veins; TCA: 40 and 90+70; 5% pyrite
53,80	53,83																			Calcite-pyrite vein (1cm-thick) with silica alteration limited to the edges; TCA: 50
53,90	56,00																			Down-dip micro-fractures with a few mm-wide silica alteration zone along the edges
57,00	57,65													PY	2					Silica-(pyrite) alteration zone associated with calcite and calcite-pyrite stringers; TCA: 60; 1-2% pyrite, locally 5%
66,30	67,85																			Pervasive carbonate alteration/leaching associated with calcite filled fractures; TCA: 35. No mineralization associated
71,24	76,85																			Unaltered granite (only few narrow epidote/sericite alteration zones). Not magnetic
74,95	75,50																			Down-dip calcite stringer associated with a geothite alteration/weathering
80,25	81,50																			Pervasive silica-carbonate alteration; containing local pyrite stringers
80,80	81,00													CPY	1					Pyrite stringers and a quartz-pyrite vein (TCA: 40); 5% pyrite; tr-1% Chalcopyrite
82,00	85,70													PY	1					Pervasive silica-carbonate alteration; containing local pyrite stringers; tr-1% pyrite
82,70	83,45													PY	7					Zone with pyrite stringers/veins; TCA: 50; 5-7% pyrite
90,70	92,10																			Down-dip calcite stringer (few cm-wide); silica-carbonate alteration along the edges
97,30	97,50																			Carbonate alteration associated with calcite stringers; TCA: 50
101,30	102,20																			Series of calcite stringers (~10 per meter); with carbonate alteration along the edges (few cm-wide); TCA: 60

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358391 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-20-2009	EASTING:	451546 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	116m
START DATE:	July 29th 2009	Line 6+25; Station 7+25N		CORE SIZE:	NQ
FINISH DATE:	July 30th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
104,00	104,30													PY	1					Pervasive silica alteration zone associated with a calcite-pyrite stringer @ 104,15m; TCA: 35; 1% pyrite
105,00	108,70																			Series of calcite stringers with silica-carbonate alteration limited to their edges (~2-4 per meter; TCA: 40)
108,70	116,00																			Unaltered granite, weakly magnetic. Cross-cut by few calcite stringers with silica-carbonate alteration limited to the edges (1 or 2 per meter; TCA: 40)
116,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358391 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-20-2009	EASTING:	451546 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	116m
START DATE:	July 29th 2009			CORE SIZE:	NQ
FINISH DATE:	July 30th 2009				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																																		
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
H543620	4.00	5.00	1.00		H543620	<0.01	0	0	0	0	<0.20	1.27	3	100	<2.00	1.4	<0.50	9	18	8	2.31	0.37	20	0.79	346	<1.00	0.05	15	640	<2.00	<2.00	0	50	0.17	<10.00	37	<10.00	0	53
H543621	7.25	8.25	1.00		H543621	0.01	0	0	0	0.01	<0.20	1.5	4	120	<2.00	1.25	<0.50	11	18	25	2.58	0.55	20	0.86	371	<1.00	0.06	17	700	2	<2.00	0	63	0.2	<10.00	44	<10.00	0	57
H543622	11.90	12.90	1.00		H543622	0.01	0	0	0	0.01	<0.20	1.37	3	110	<2.00	1.16	<0.50	10	18	7	2.3	0.52	20	0.78	345	<1.00	0.05	15	670	<2.00	<2.00	0	51	0.17	<10.00	32	<10.00	0	54
H543623	12.90	14.00	1.10		H543623	<0.01	0	0	0	0	<0.20	1.32	2	60	<2.00	1.58	<0.50	9	16	6	2.38	0.28	20	0.84	396	<1.00	0.05	14	650	<2.00	<2.00	0	46	0.15	<10.00	37	<10.00	0	53
H543624	14.00	14.00	0.00	Blk																																			
H543625	14.00	14.00	0.00	Std																																			
H543626	17.00	17.75	0.75		H543626	0.17	0	0	0	0.17	<0.20	1.41	10	110	<2.00	1.18	<0.50	9	17	40	2.63	0.55	20	0.78	357	<1.00	0.05	15	690	2	<2.00	0	49	0.17	<10.00	39	<10.00	0	52
H543627	17.75	18.65	0.90		H543627	0.19	0	0	0	0.19	0.2	1.42	11	110	<2.00	1.18	<0.50	10	17	36	2.65	0.55	30	0.8	361	<1.00	0.05	16	700	<2.00	<2.00	0	48	0.17	<10.00	40	<10.00	0	52
H543628	18.65	19.50	0.85		H543628	2.07	0	0	0	2.07	1.4	1.15	45	50	3	1.4	<0.50	11	14	216	3.23	0.26	20	0.61	346	<1.00	0.02	14	620	2	<2.00	0	32	0.09	<10.00	20	<10.00	0	41
H543629	19.50	20.50	1.00		H543629	0.20	0	0	0	0.2	0.8	1.35	9	70	3	1.25	<0.50	9	19	48	2.47	0.33	20	0.77	356	<1.00	0.04	15	660	2	<2.00	0	57	0.15	<10.00	37	<10.00	0	51
H543630	20.50	21.80	1.30		H543630	<0.01	0	0	0	0	<0.20	1.43	4	90	<2.00	1.23	<0.50	9	18	11	2.32	0.46	20	0.78	349	<1.00	0.05	15	660	<2.00	<2.00	0	67	0.17	<10.00	40	<10.00	0	52
H543631	21.80	23.00	1.20		H543631	0.01	0	0	0	0.01	<0.20	1.32	7	70	<2.00	1.61	<0.50	9	17	11	2.37	0.32	20	0.75	366	1	0.04	15	670	<2.00	<2.00	0	50	0.14	<10.00	34	<10.00	0	50
H543632	23.00	24.10	1.10		H543632	0.15	0	0	0	0.15	0.2	1.4	6	90	<2.00	1.2	<0.50	10	19	16	2.48	0.39	20	0.79	345	<1.00	0.05	15	660	<2.00	<2.00	0	54	0.15	<10.00	40	<10.00	0	52
H543633	25.75	26.75	1.00		H543633	<0.01	0	0	0	0	<0.20	1.48	4	60	<2.00	1.34	<0.50	10	20	20	2.76	0.22	30	0.99	414	1	0.04	19	660	<2.00	<2.00	0	57	0.16	<10.00	49	<10.00	0	63
H543634	26.75	27.75	1.00		H543634	0.12	0	0	0	0.12	<0.20	1.32	12	60	<2.00	1.23	<0.50	9	19	13	2.73	0.23	20	0.78	353	1	0.05	14	660	2	<2.00	0	50	0.14	<10.00	41	<10.00	0	50
H543635	30.00	30.60	0.60		H543635	0.12	0	0	0	0.12	<0.20	1.22	23	50	<2.00	1.22	<0.50	11	17	21	2.65	0.22	20	0.78	349	<1.00	0.03	16	690	<2.00	<2.00	0	44	0.12	<10.00	33	<10.00	0	50
H543636	35.90	37.00	1.10		H543636	0.76	0	0	0	0.76	2.5	1.32	34	80	14	1.23	<0.50	10	17	324	2.75	0.36	20	0.74	321	<1.00	0.04	15	680	5	<2.00	0	49	0.13	<10.00	36	<10.00	0	53
H543637	37.00	38.00	1.00		H543637	0.01	0	0	0	0.01	0.7	1.27	19	60	<2.00	1.37	<0.50	10	17	40	2.45	0.26	20	0.74	332	<1.00	0.04	15	670	2	<2.00	0	47	0.12	<10.00	34	<10.00	0	51
H543638	38.00	39.25	1.25		H543638	<0.01	0	0	0	0	<0.20	1.38	13	60	<2.00	1.37	<0.50	9	17	9	2.32	0.27	30	0.77	340	<1.00	0.05	15	650	<2.00	<2.00	0	84	0.15	<10.00	36	<10.00	0	50
H543639	39.25	39.80	0.55		H543639	1.31	0	0	0	1.31	1.6	0.97	68	40	5	2.02	<0.50	9	11	145	2.7	0.22	20	0.49	313	<1.00	0.02	12	590	4	<2.00	0	42	0.05	<10.00	11	<10.00	0	38
H543640	39.80	40.80	1.00		H543640	0.01	0	0	0	0.01	<0.20	1.35	14	50	<2.00	2.41	<0.50	9	16	11	2.59	0.17	20	0.74	403	<1.00	0.04	14	670	<2.00	<2.00	0	55	0.11	<10.00	28	<10.00	0	52
H543641	40.80	41.40	0.60		H543641	<0.01	0	0	0	0	<0.20	1.38	14	50	<2.00	1.2	<0.50	10	17	12	2.36	0.21	20	0.84	342	<1.00	0.04	17	700	<2.00	<2.00	0	69	0.14	<10.00	42	<10.00	0	56
H543642	41.40	42.25	0.85		H543642	0.07	0	0	0	0.07	0.2	1.34	15	50	<2.00	1.63	<0.50	10	17	18	2.57	0.14	20	0.79	392	<1.00	0.04	14	680	<2.00	<2.00	0	57	0.12	<10.00	35	<10.00	0	53
H543643	48.25	49.00	0.75		H543643	<0.01	0	0	0	0	<0.20	1.32	10	60	<2.00	1.62	<0.50	11	16	6	2.33	0.2	30	0.84	403	<1.00	0.04	16	690	<2.00	<2.00	0	54	0.14	<10.00	30	<10.00	0	58
H543644	50.90	51.50	0.60		H543644	0.01	0	0	0	0.01	<0.20	1.38	13	70	<2.00	1.3	<0.50	11	19	16	2.42	0.28	20	0.83	345	<1.00	0.04	17	680	<2.00	<2.00	0	55	0.15	<10.00	39	<10.00	0	58
H543645	51.50	52.35	0.85		H543645	0.28	0	0	0	0.28	1.3	0.92	109	60	2	2.3	19.6	10	13	143	2.97	0.24	10	0.5	371	<1.00	0.01	13	630	2	<2.00	0	40	0.06	<10.00	11	<10.00	0	552
H543646	53.70	54.20	0.50		H543646	0.01	0	0	0	0.01	0.8	1.54	17	150	<2.00	1.19	<0.50	16	19	386	3.11	0.64	20	0.92	392	<1.00	0.05	21	680	2	<2.00	0	48	0.15	<10.00	45	<10.00	0	70
H543647	57.00	57.70	0.70		H543647	0.38	0	0	0	0.38	0.4	1.16	37	50	<2.00	1.87	<0.50	10	14	100	2.79	0.2	20	0.68	376	<1.00	0.02	15	680	<2.00	<2.00	0	30	0.08	<10.00	21	<10.00	0	57
H543648	80.25	80.80	0.55		H543648	<0.01	0	0	0	0	<0.20	1.27	11	50	<2.00	2.36	<0.50	8	18	8	2.52	0.15	30	0.72	387	<1.00	0.04	14	660	<2.00	<2.00	0	60	0.09	<10.00	31	<10.00	0	53
H543649	80.80	80.80	0.00	Blk																																			
H543650	80.80	80.80	0.00	Std																																			
H543651	80.80	81.50	0.70		H543651	1.88	0	0	0	1.88	0.9	1.15	53	50	<2.00	2.01	<0.50	11	16	225	2.96	0.19	20	0.61	341	3	0.04	13	670	2	<2.00	0	55	0.06	<10.00	24	<10.00	0	43
H543652	81.50	82.50	1.00		H543652	<0.01	0	0	0	0	<0.20	1.26	12	50	<2.00	1.8	<0.50	9	19	9	2.36	0.15	30	0.75	362	3	0.04	14	670	2	<2.00	0	74	0.08	<10.00	31	<10.00	0	56
H543653	82.50	83.50	1.00		H543653	>10.00	0	10.15	0	10.15	7.7	0.91	412	50	53	1.57	<0.50	10	12	241	3.97	0.25	20	0.43	256	3	0.02	14	630	24	<2.00	0	41	0.01	<10.00	8	<10.00	0	58
H543654	83.50	84.50	1.00		H543654	0.23	0	0	0	0.23	0.4	1.17	36	40	<2.00	2.61	<0.50	9	14	87	2.7	0.16	20	0.66	382	4	0.02	13	660	3	<2.00	0	76	0.01	<10.00	13	<10.00	0	56
H543655	84.50	85.50	1.00		H543655	0.01	0	0	0	0.01	0.3	1.18	23	50	<2.00	2.4	<0.50	9	16	61	2.69	0.17	20	0.65	335	3	0.03	14	660	3	<2.00	0	74	0.02	<10.00	18	<10.00	0	48
H543656	103.90	104.40	0.50		H543656	0.02	0	0	0	0.02	<0.20	1.15	3	50	<2.00	2.21	<0.50	10	15	8	2.31	0.2	30	0.69	398	1	0.03	13	660	2	<2.00	0	50	0.09	<10.00	22	<10.00	0	49

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358340 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-21-2009	EASTING:	451640 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	314m
START DATE:	November 18th 20	Line 7+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	November 20th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**2,25**	**2,25**																		**Casing/Overburden**
2,25	**119,88**	**117,63**																		**Granite**
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic
11,04	11,33																			Network of calcite-chlorite veinlets + 1cm-thick quartz vein (70 TCA). No pyrite associated
15,20	16,25																			Pervasive silica alteration zone giving the rock a dark grey-brown color. Most likely associated with a down-dip micro-fracture and low-angle quartz-calcite veinlets (~20 TCA)
15,70	15,97																			Quartz-calcite veinlet (0,5cm-thick; 20 TCA)
17,60	18,00																			Pervasive silica alteration zone including tr-1% pyrite as coarse disseminated grains
20,30	20,53																			A 0,5cm-thick quartz vein (15 TCA) with silicified edges. No pyrite associated
21,95	22,30																			Pervasive, but moderate silica alteration including tr pyrite as coarse grains and a <0,5cm-thick quartz-chlorite-calcite veinlets (20 TCA)
24,97	25,10																			A 2cm-thick (25 TCA) quartz vein. No significant alteration or mineralization associated
28,73	28,79																			Series of small stringers + calcite alteration including tr-1% disseminated pyrite
34,35	34,80																			Zone with 1-2% disseminated pyrite grains with no alteration associated except silicification along micro-fractures and calcite veinlets
38,30	39,80																			Pervasive carbonate (calcite) alteration zone
38,60	38,65																			5% pyrite associated with a pervasive carbonate alteration zone
39,48	39,49																			a 1cm-thick quartz-pyrite vein (60 TCA) with chlorite-calcite along edges; 3% pyrite
39,80	41,20																			Pervasive but moderate silica alteration zone including local pyritic zones (up to 2%)
41,20	41,37																			A 10cm-thick quartz-pyrite vein (55 TCA) with calcite-chlorite along the edges
43,20	43,70																			Pervasive calcite alteration zone (~7% calcite)
43,36	43,42																			Small dyke (Kspar-rich) including 1% pyrite; 60 TCA
45,65	45,74																			2-3% pyrite associated with two calcite-chlorite stringers (40 TCA)
50,10	50,30																			Dyke of pegmatite (Kspar-quartz) including tr-1% pyrite; 65 TCA
60,50	60,59																			Series of two quartz-chlorite-epidote veins (~1cm-thick; 60 TCA); with no pyrite or alteration associated
66,75	67,50																			Pervasive but weak calcite-Kspar alteration zone
69,00	69,28																			A 0,5cm-thick down-dip quartz vein; no significant alteration associated
70,50	72,25																			Broken and partially broken core (with weak weathering associated; fault zone?)
76,65	76,76																			A 3cm-thick quartz-chlorite vein (20 TCA)
88,50	90,85																			Pervasive but weak to moderate silicified zone giving the rock a grey-ish color. Including 1-2% of leucoxene (leaching?)
89,45	89,46																			A 1cm-thick quartz-chlorite vein. No pyrite associated. Presence of leucoxene along the edges
93,80	97,70																			Zone with weak carbonate alteration giving the rock a light grey color.
96,65	96,80																			A 1cm-thick calcite-quartz-chlorite vein (25 TCA); including trace pyrite
97,42	97,43																			A 1cm-thick quartz vein (60 TCA) with calcite-chlorite along the edges
97,70	98,60																			Magnetic granite; unaltered
101,16	101,30																			A 2cm-thick quartz vein (25 TCA) with geothite along the edges (weathering)
105,29	105,30																			Quartz-chlorite vein with a silica alteration zone associated (~20 cm-wide)
105,65	108,08																			Pervasive silica-carbonate alteration zone (giving the rock a greyish color). Including few calcite-chlorite-(quartz) veinlets (75 TCA)
116,80	117,40																			Zone with 1-2% disseminated pyrite (with pervasive silica alteration associated); including a 0,5cm-thick quartz-chalcopyrite vein @117,26m (45 TCA)
118,22	118,39																			1-2% pyrite disseminated pyrite + pyrite stringers (15 TCA)
119,28	119,28																			Pyrite stringers with silicified edges; 20 TCA
119,28	**123,48**	**4,20**																		**QFP dyke**
																				Feldspar porphyry; schistosity/clivage well-developed (40 TCA)

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358340 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-21-2009	EASTING:	451640 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	314m
START DATE:	November 18th 20	Line 7+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	November 20th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
121,34	122,52																			Presence of the host-rock; i.e. Granite; including several thin pyrite and/or quartz stringers/filled fractures
123,48	**274,00**	**150,52**																		**Granite**
																				idem as previous granite; including mineralized zones
124,00	124,80																			Series of five calcite-chlorite stringers or carbonate-chlorite altered micro-fractures; including leucoxene and ~1% disseminated pyrite and silica alteration
125,00	125,19																			Series of five calcite-chlorite stringers or carbonate-chlorite altered micro-fractures; including leucoxene and ~1% disseminated pyrite and silica alteration
125,59	125,60																			A 1cm-thick calcite-pyrite veinlets (~5% - 7% pyrite); with ~10cm-wide silica alteration zone associated
128,14	129,66																			Carbonate-silica alteration zone including locally 2-3% disseminated pyrite
128,67	128,71																			A 3cm-thick quartz-pyrite-calcite vein (semi-massive pyrite; 65 TCA)
131,18	132,00																			silica-calcite alteration zone including leucoxene and tr-1% of disseminated pyrite
131,36	131,37																			A 1cm-thick calcite-pyrite-(quartz) vein (with semi-massive pyrite); 60 TCA
131,85	131,88																			A 2cm-thick quartz-pyrite-(calcite) vein including with ~10% pyrite (especially along the edges); 50 TCA
132,60	133,42																			Pervasive calcite-(silica) alteration giving the rock a light grey-ish color (gradational contacts); tr pyrite
132,89	132,92																			A 3cm-thick quartz-chlorite-calcite vein including leucoxene. No pyrite associated
134,20	136,12																			Pervasive silica alteration (giving the rock a dark grey color); including 3-5% disseminated coarse-grained pyrite as alteration
137,75	138,37																			Pervasive silica-calcite alteration including two quartz-pyrite veins
137,92	137,99																			A 4cm-thick quartz-pyrite vein with semi-massive pyrite along the edges; 60 TCA
138,18	138,20																			A 2cm-thick quartz-pyrite vein with pyrite along the edges; 50 TCA
138,78	138,81																			A 2cm-thick quartz-pyrite vein + 5% pyrite along the edges (alteration?); 60 TCA
140,96	141,05																			Zone with 2-3% disseminated pyrite
142,22	142,26																			A 3cm-thick quartz-pyrite vein (5-10% pyrite) + 20cm-wide calcite-silica-(pyrite) alteration zone associated
143,10	144,55																			Pervasive (moderate to strong) silica-calcite alteration zone (tr-1% pyrite); including quartz-pyrite veins
143,30	143,35																			A 4cm-thick quartz-pyrite (55 TCA) including 5% of very coarse-grained pyrite
143,67	143,72																			Two quartz-(calcite) veins with tr. Pyrite (50 TCA and 70 TCA)
143,76	143,82																			Two pyrite-quartz stringers; 5-10% pyrite; 55 TCA
144,96	145,50																			Pervasive (weak to moderate) calcite-silica alteration zone including tr-1% pyrite
145,25	145,26																			A 1 cm-thick quartz-pyrite vein with calcite-chlorite-pyrite alteration along edges; 55 TCA
146,00	146,60																			Pervasive calcite-silica alteration including a series of calcite-pyrite-(±quartz) stringers; 45 to 60 TCA
146,85	147,55																			Pervasive but weak, silica alteration including small stringers of calcite and calcite-(pyrite)
148,46	148,46																			A fine calcite-pyrite-chlorite stringer (60 TCA); with a 5cm-wide silica-calcite alteration zone associated
149,25	150,90																			Pervasive silica-calcite alteration zone (with gradational contacts); 1% pyrite including several micro-fractures/fine stringers of pyrite-calcite
150,76	150,79																			Calcite-pyrite vein/alteration zone(?); 55 TCA. 10% pyrite
151,60	153,20																			Pervasive silica alteration zone (gradational contact)
152,30	152,34																			Series of two pyrite stringers (55 TCA) with a pervasive silica alteration associated
158,72	159,03																			Pervasive silica-pyrite-(calcite) alteration zone; including two quartz-pyrite-(calcite) veins (0,5cm-thick; 55 TCA). 1% pyrite
161,28	161,44																			Felsic dyke (Kspar-rich); including a series of fractures filled with pyrite (2-3% pyrite); 55 TCA
163,25	170,11																			Partial silica alteration zone (~10% of the rock); alteration associated with a micro-fracture network
174,15	174,48																			Felsic dyke (Kspar-biotite); 55 TCA; with a m-wide silica alteration zone associated (with leucoxene)
180,92	181,50																			Calcite-rich alteration zone (+ calcite stringers/filled fractures)
187,78	187,82																			Late calcite-geothite vein (1cm-thick)

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358340 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-21-2009	EASTING:	451640 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	314m
START DATE:	November 18th 20	Line 7+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	November 20th 2009				

Depth			Rock Type					Structure		ALTERATION Alteration Intensity CODE				Mineralisation Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
191,40	191,95																			Series of calcite micro-fractures/stringers (40 to 50 TCA)
192,07	194,80																			Zone partially altered (silica-carbonate) with presence of leucoxene
194,42	194,43																			A 0,5cm-thick quartz vein; no pyrite associated
197,50	199,25																			Zone partially altered (silica-carbonate) with presence of leucoxene
205,60	210,20																			Pervasive silica alteration zone giving the rock a dark grey color
216,97	217,21																			Pervasive carbonate alteration zone (ankerite?)
217,65	219,40																			Calcite-geothite alteration associated with a dense micro-fracture network (late? Weathering?); giving the rock a reddish-orange color
220,95	221,30																			Pervasive carbonate alteration zone
221,73	222,30																			Pervasive carbonate alteration zone
224,19	224,80																			Pervasive carbonate alteration zone including calcite-(quartz) stringers; no pyrite associated
227,79	228,34																			Pervasive carbonate alteration zone including a down-dip calcite-(quartz) stringers; no pyrite associated
233,80	234,76																			Carbonate alteration along a down-dip (5 to 10 TCA) calcite-(quartz) veinlet; no pyrite associated
236,15	251,15																			Pervasive, but moderate carbonate-silica alteration zone giving the rock a light to medium grey color; locally contains 1-2% pyrite; gradational contacts
237,80	238,40																			zone with ~ 1% pyrite
241,73	241,73																			A small pyrite stringer; 50 TCA
242,90	243,05																			1% pyrite associated with two quartz-calcite veinlets (45 and 60 TCA)
245,85	246,32																			zone with ~ 1% pyrite
246,69	246,73																			A semi-massive pyrite vein; 70 TCA
252,93	253,60																			Pervasive carbonate-(hematite) alteration (dark pinkish color)
255,04	258,00																			Pervasive carbonate-(hematite) alteration (dark pinkish color); gradational contacts
259,78	259,83																			A 4cm-thick felsic dyke (Kspar-rich); 50 TCA
263,70	264,50																			Pervasive but weak to moderate carbonate-(silica) alteration including locally 1% pyrite; gradational contacts
266,07	266,10																			Zone with 1-2% pyrite; no veins/stringers associated
274,00	**289,90**																			**QFP intrusion**
																				Beige color. Locally tr-1% pyrite as blebs/coarse-grains and as fine stringers
274,90	276,85																			Zone with tr-1% pyrite as fine stringers (30 TCA) disrupted by micro-faults (90 + 70 TCA); photo
286,20	286,30																			Quartz veining zone including trace pyrite
286,45	287,45																			Granite xenolith (host rock)
287,63	287,86																			Late brecciated zone; jigsaw-like
289,90	**314,00**																			**Granite**
																				idem as previous granite
294,80	294,84																			Pyrite stringers and calcite veinlets; 1-2% pyrite
309,21	309,25																			Felsic dyke (Kspar-rich); 10 TCA
310,33	310,33																			Pyrite-calcite veinlets (0,5cm-thick; 5-10% pyrite)
314,00	314,00																			EOH

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358340 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-21-2009	EASTING:	451640 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	314m
START DATE:	lovember 18th 200			CORE SIZE:	NQ
FINISH DATE:	lovember 20th 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results														Comments
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	
E429501	11.00	11.50	0.50		E429501	0.01	0	0	0	0.01													
E429502	15.20	16.20	1.00		E429502	0.01	0	0	0	0.01													
E429503	16.20	17.30	1.10		E429503	0.01	0	0	0	0.01													
E429504	17.30	18.00	0.70		E429504	0.01	0	0	0	0.01													
E429505	20.00	20.70	0.70		E429505	0.01	0	0	0	0.01													
E429506	20.70	21.30	0.60		E429506	0.01	0	0	0	0.01													
E429507	21.30	22.30	1.00		E429507	0.01	0	0	0	0.01													
E429508	24.85	25.40	0.55		E429508	0.01	0	0	0	0.01													
E429509	28.40	28.90	0.50		E429509	0.01	0	0	0	0.01													
E429510	34.00	35.00	1.00		E429510	0.01	0	0	0	0.01													
E429511	38.30	39.00	0.70		E429511	0.01	0	0	0	0.01													
E429512	39.00	39.60	0.60		E429512	2.10	0	0	0	2.1													Blank
E429513	39.60	40.45	0.85		E429513	0.02	0	0	0	0.02													Standard 61d
E429514	40.45	41.00	0.55		E429514	0.01	0	0	0	0.01													Shoulder
E429515	41.00	41.60	0.60		E429515	2.07	0	0	0	2.07													
E429516	41.60	41.60	0.00	BLK																			
E429517	41.60	42.20	0.60		E429517	0.01	0	0	0	0.01													
E429518	43.00	43.90	0.90		E429518	0.01	0	0	0	0.01													
E429519	45.20	45.85	0.65		E429519	0.07	0	0	0	0.07													
E429520	50.00	50.50	0.50		E429520	0.01	0	0	0	0.01													
E429521	60.20	60.70	0.50		E429521	0.01	0	0	0	0.01													
E429522	69.00	69.60	0.60		E429522	0.01	0	0	0	0.01													
E429523	76.50	77.00	0.50		E429523	0.01	0	0	0	0.01													Shoulder
E429524	96.65	97.50	0.85		E429524	0.01	0	0	0	0.01													
E429525	97.50	97.50	0.00	STD																			
E429526	101.00	101.50	0.50		E429526	0.01	0	0	0	0.01													
E429527	116.75	117.45	0.70		E429527	0.10	0	0	0	0.1													
E429528	117.45	118.45	1.00		E429528	0.04	0	0	0	0.04													
E429529	119.00	119.88	0.88		E429529	0.01	0	0	0	0.01													
E429530	121.34	122.52	1.18		E429530	0.12	0	0	0	0.12													
E429531	122.52	122.52	0.00	BLK																			
E429532	124.00	124.85	0.85		E429532	0.01	0	0	0	0.01													
E429533	124.85	125.85	1.00		E429533	0.04	0	0	0	0.04													
E429534	128.00	128.85	0.85		E429534	4.01	0	0	0	4.01													
E429535	128.85	129.75	0.90		E429535	0.01	0	0	0	0.01													
E429536	129.75	131.15	1.40		E429536	0.01	0	0	0	0.01													
E429537	131.15	132.00	0.85		E429537	3.30	0	0	0	3.3													
E429538	132.00	132.60	0.60		E429538	0.01	0	0	0	0.01													
E429539	132.60	133.25	0.65		E429539	0.02	0	0	0	0.02													
E429540	134.20	135.00	0.80		E429540	0.03	0	0	0	0.03													
E429541	135.00	135.70	0.70		E429541	0.02	0	0	0	0.02													
E429542	135.70	136.40	0.70		E429542	0.01	0	0	0	0.01													
E429543	136.40	137.75	1.35		E429543	0.01	0	0	0	0.01													
E429544	137.75	138.40	0.65		E429544	1.58	0	0	0	1.58													
E429545	138.40	139.00	0.60		E429545	0.10	0	0	0	0.1													
E429546	139.00	139.00	0.00	BLK																			
E429547	139.00	140.00	1.00		E429547	0.00	0	0	0	0													
E429548	140.00	141.00	1.00		E429548	0.00	0	0	0	0													
E429549	141.00	142.00	1.00		E429549	0.00	0	0	0	0													
E429550	142.00	142.00	0.00	STD																			
E429551	142.00	142.50	0.50		E429551	0.11	0	0	0	0.11													
E429552	142.50	143.10	0.60		E429552	0.01	0	0	0	0.01													
E429553	143.10	143.90	0.80		E429553	1.20	0	0	0	1.2													
E429554	143.90	144.85	0.95		E429554	0.02	0	0	0	0.02													
E429555	144.85	145.50	0.65		E429555	0.04	0	0	0	0.04													
E429556	145.50	146.00	0.50		E429556	0.01	0	0	0	0.01													

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358340 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-21-2009	EASTING:	451640 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	314m
START DATE:	lovember 18th 200			CORE SIZE:	NQ
FINISH DATE:	lovember 20th 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																	Comments
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	
E429557	146.00	146.60	0.60		E429557	0.66	0	0	0	0.66												
E429558	146.60	147.15	0.55		E429558	0.01	0	0	0	0.01												
E429559	147.15	148.00	0.85		E429559	0.05	0	0	0	0.05												
E429560	148.00	149.25	1.25		E429560	0.33	0	0	0	0.33												
E429561	149.25	149.90	0.65		E429561	0.01	0	0	0	0.01												
E429562	149.90	150.90	1.00		E429562	4.98	0	0	0	4.98												
E429563	150.90	152.00	1.10		E429563	0.01	0	0	0	0.01												
E429564	152.00	152.50	0.50		E429564	0.79	0	0	0	0.79												
E429565	158.55	159.05	0.50		E429565	0.03	0	0	0	0.03												
E429566	159.05	159.05	0.00	BLK																		
E429567	161.20	161.70	0.50		E429567	0.31	0	0	0	0.31												
E429568	216.65	217.50	0.85		E429568	0.01	0	0	0	0.01												
E429569	217.50	218.50	1.00		E429569	0.00	0	0	0	0												
E429570	237.70	238.50	0.80		E429570	0.01	0	0	0	0.01												
E429571	241.50	242.50	1.00		E429571	0.01	0	0	0	0.01												
E429572	242.50	243.30	0.80		E429572	0.01	0	0	0	0.01												
E429573	245.80	246.80	1.00		E429573	0.13	0	0	0	0.13												
E429574	274.90	275.85	0.95		E429574	0.01	0	0	0	0.01												
E429575	275.85	275.85	0.00	STD																		
E429576	275.85	276.85	1.00		E429576	0.01	0	0	0	0.01												
E429577	285.90	286.45	0.55		E429577	0.00	0	0	0	0												
E429578	287.45	288.10	0.65		E429578	0.01	0	0	0	0.01												
E429579	288.10	289.00	0.90		E429579	0.01	0	0	0	0.01												
E429580	289.00	289.90	0.90		E429580	0.03	0	0	0	0.03												
E429581	294.65	295.15	0.50		E429581	0.02	0	0	0	0.02												
E429582	310.00	310.50	0.50		E429582	0.01	0	0	0	0.01												
E427504	127.00	128.00	1.00																			
E427505	133.25	134.20	0.95																			
E427506	152.50	153.00	0.50																			

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358390 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-22-2009	EASTING:	451640 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	158m
START DATE:	November 20th 20	Line 7+00E; Station 7+50		CORE SIZE:	NQ
FINISH DATE:	November 22th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	4,00	4,00																		Casing/Overburden
4,00	158,00	154,00																		Granite
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic
6,97	7,14																			Felsic dyke (Kspar-rich) or xenolith of felsic dyke(?); 35 TCA
14,35	14,38																			Quartz-(chlorite) vein with no pyrite and no alteration associated; 25 TCA
23,50	24,45																			Pervasive silica-(pyrite) alteration zone (locally contains up to 3-4% pyrite and a 4cm-thick quartz vein)
23,82	23,89																			A 4cm-thick quartz-chlorite vein; 37 TCA
24,10	24,10																			Down-dip clivage/schistosity developed (marked by oriented chlorite minerals)
30,33	30,34																			A 0,5cm-thick quartz veins: no alteration associated
35,50	35,53																			Zone with geothite alteration (+ calcite veinlets)
40,54	41,10																			Silica pervasive alteration zone including two quartz-pyrite veins at 40,63m and 40,97m (2cm-thick; 45 TCA); 5% pyrite
43,13	44,37																			Pervasive silica-(pyrite) alteration zone; 1-2% disseminated pyrite
43,95	44,15																			Zone with ~5% of disseminated pyrite and as stringers
51,45	52,04																			Down-dip calcite veinlets + cm-wide silica-carbonate alteration zone along the edges
57,21	57,24																			A 3cm-thick quartz vein, no alteration associated; 50 TCA
60,38	60,39																			A 0,5cm-thick quartz vein; no alteration associated; 25 TCA
60,69	60,70																			A 0,5cm-thick quartz vein; no alteration associated; 25 TCA
72,78	72,79																			A 0,5cm-thick quartz vein; no alteration associated; 25 TCA
77,00	77,49																			Carbonate alteration zone including micro-fractures filled with calcite
78,40	78,92																			Carbonate alteration zone including micro-fractures filled with calcite; tr pyrite
82,35	90,27																			Pervasive silica-(carbonate) alteration giving the rock a dark grey color. Presence of leucoxene suggests leaching; tr pyrite
83,21	83,22																			A 0,5cm-thick quartz vein; 35 TCA. No mineralization associated
85,72	85,87																			Small mafic dyke and/or xenolith; Downhole contact at 15 TCA
99,08	99,10																			A 2cm-thick quartz vein; no significant alteration associated; 40 TCA
101,69	101,70																			A 0,5cm-thick quartz vein + carbonate alteration along edges; 25 TCA
103,58	104,57																			Pervasive and strong calcite-hematite altered zone
115,32	118,20																			Pervasive carbonate alteration zone including calcite filled micro-fractures; gradational contacts
120,20	123,71																			Pervasive carbonate-silica alteration zone; including pyrite and quartz-pyrite stringers/veins
122,50	122,54																			Quartz-pyrite-rich zone; 3-4% pyrite
122,64	122,65																			Pyrite stringer (~5% pyrite)
122,95	123,00																			Pyrite stringers (~5% pyrite)
123,55	123,56																			Pyrite stringer (~5% pyrite)
126,26	127,70																			Pervasive silica alteration zone including pyrite stringers/veins at a 20 to 30cm interval (~50 to 60 TCA)
127,21	127,24																			Semi-massive to massive pyrite vein (3cm-thick; 65 TCA)
133,39	133,39																			Pyrite-calcite stringer; 45 TCA
143,00	143,00																			Pyrite stringer; 50 TCA
143,38	143,48																			A 6cm-thick quartz vein + 10% pyrite along the edges; 55 TCA (+specularite)
151,00	158,00																			Pervasive hematization; no mineralization associated
158,00	158,00																			EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358390 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-22-2009	**EASTING:**	451640 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	158m
START DATE:	lovember 20th 200			**CORE SIZE:**	NQ
FINISH DATE:	lovember 22th 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																	
					SAMPLE_N	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429583	23.50	24.45	0.95		E429583	0.01	0	0	0	0.01												
E429584	40.50	41.15	0.65		E429584	1.17	0	0	0	1.17												
E429585	43.10	43.70	0.60		E429585	0.39	0	0	0	0.39												
E429586	43.70	43.70	0.00	BLK																		
E429587	43.70	44.40	0.70		E429587	1.91	0	0	0	1.91												
E429588	120.20	121.20	1.00		E429588	0.05	0	0	0	0.05												
E429589	121.20	122.30	1.10		E429589	0.00	0	0	0	0												
E429590	122.30	123.10	0.80		E429590	2.49	0	0	0	2.49												
E429591	123.10	123.75	0.65		E429591	1.81	0	0	0	1.81												
E429592	126.20	127.00	0.80		E429592	1.89	0	0	0	1.89												
E429593	127.00	127.70	0.70		E429593	>10.00	0	20.7	0	20.7												
E429594	142.90	143.55	0.65		E429594	0.26	0	0	0	0.26												
E427507	39.65	40.50	0.85																			
E427508	41.15	42.00	0.85																			
E427509	42.00	43.10	1.10																			
E427510	44.40	45.00	0.60																			
E427511	123.75	124.50	0.75																			
E427512	124.50	125.25	0.75																			
E427513	125.25	126.20	0.95																			
E427514	127.70	128.50	0.80																			

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357908 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-23-2009	EASTING:	451748 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	149m
START DATE:	November 23th 20	Line 8+00E; Station 2+75		CORE SIZE:	NQ
FINISH DATE:	November 25th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**5,00**	**5,00**																		**Casing/Overburden**
5,00	**76,72**	**71,72**																		**Granite**
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic
5,00	10,50																			Pervasive carbonate-(silica) alteration zone giving the rock a light grey color; presence of leucoxene. Calcite micro-veins
12,44	16,38																			Pervasive carbonate-(silica) alteration zone giving the rock a light grey color; including quartz-pyrite veins
15,88	15,92																			A 3cm-thick quartz-pyrite vein; 70 TCA. 10-15% pyrite
16,14	16,16																			A 2cm-thick quartz-pyrite vein; 75 TCA; 5% pyrite
17,39	17,42																			Pyrite-rich zone; 5% pyrite as stringers
17,64	17,65																			Quartz-pyrite veinlets; 5% pyrite
19,95	20,00																			Series of small quartz-chlorite-calcite veinlets; 1% pyrite; 55-60 TCA
24,20	24,25																			A 5cm-thick quartz-chlorite vein; 55 TCA
25,15	25,84																			Pervasive silica-carbonate alteration zone including few calcite-pyrite stringers; tr-1% pyrite
27,51	27,60																			A 5cm-thick quartz-chlorite-calcite vein (35 TCA) + carbonate (ankerite?) alteration zone along the edges (~10cm-wide)
30,28	30,29																			A 0,5cm-thick quartz-chlorite-calcite vein (60 TCA) + carbonate (ankerite?) alteration zone along the edges (5cm-wide)
36,20	38,00																			Partially altered zone (silica-carbonate); including calcite + calcite-pyrite veinlets (60 TCA); <3% pyrite
41,91	42,57																			A ~10cm-thick felsic dyke (Kspar, plagioclase porphyry); 7 TCA
47,95	50,75																			Pervasive silica alteration zone; including pyrite-quartz veinlets and QFP dykes
48,13	48,16																			Quartz-pyrite veins + ankerite(?) alteration along the edges
48,59	48,92																			QFP dyke including pyrite stringers (+ankerite alteration)
49,57	49,95																			A 1cm-thick; down-dip felsic dyke
52,04	52,59																			Down-dip QFP dyke
53,17	53,34																			Silica-pyrite alteration zone; 2-3% pyrite; tr Chalcopyrite
55,71	55,80																			Pervasive silica alteration zone; including a 1cm-thick quartz-pyrite vein; 80 TCA
56,68	57,55																			Silica alteration zone including quartz-calcite-pyrite stringers/veinlets (70 TCA; few mm to 1cm-thick)
59,80	59,84																			A 3cm-thick calcite-chlorite-(pyrite) vein; 60 TCA
61,78	74,78																			Alternance of silica-altered zones (10cm to 1m-wide) and unaltered granite including few calcite veinlets; tr pyrite
74,78	75,68																			Granite; contact metamorphic.
75,26	75,28																			A 2cm-thick carbonate-pyrite vein; 65 TCA
75,68	76,25																			Very fine-grained felsic dyke; 75 TCA; pyrite along both contacts
76,25	76,72																			Granite; contact metamorphic.
76,72	**93,00**																			**QFP dyke**
																				Light beige color; quartz porphyry (eyes); including 3-5% pyrite as aggregates of grains.
																				Presence of calcite-pyrite-(quartz) stringers/veinlets (30 to 40TCA) at 76,87m; 77,91m; 78,78m; 81,15m; 82,08m; 86m; 88,86m; 90,18m and 90,85m. Narrow styloliths calcite-pyrite also occur locally (80 TCA)
92,42	93,00																			Fine-grained (cooled margin)
93,00	**149,00**																			**Granite**
																				idem as previous granite unit; locally magnetic to weakly magnetic
93,00	93,85																			Contact metamorphic zone
93,85	95,80																			Pervasive silica-carbonate alteration zone
103,03	103,05																			Quartz-pyrite vein, 65 TCA; 3% pyrite
105,12	105,33																			A 4cm-thick felsic dyke (Kspar-rich; porphyric); 35 TCA
105,91	106,33																			Series of disrupted cm-thick felsic dyke/vein
108,42	108,44																			A 2cm-thick quartz-pyrite vein; 60 TCA; 5% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357908 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-23-2009	EASTING:	451748 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	149m
START DATE:	November 23th 20	Line 8+00E; Station 2+75		CORE SIZE:	NQ
FINISH DATE:	November 25th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
108,73	111,66																		
109,12	109,17																		
112,54	112,55																		
111,05	135,82																		
120,68	120,72																		
122,82	123,07																		
123,07	123,20																		
123,75	123,80																		
123,78	124,05																		
125,08	125,90																		
126,09	126,41																		
128,17	128,82																		
135,73	135,76																		
145,32	145,34																		
149,00	149,00																		

COMMENTS
Series of small disrupted felsic dykes (down-dip; 1-2cm-thick)
Calcite-pyrite alteration zone; 2-3% pyrite
A 1cm-thick quartz-pyrite vein; 55 TCA; 5% pyrite
Pervasive silica alteration zone giving the rock a dark grey color
Calcite-pyrite stringers; 70 TCA; 3% pyrite
Mafic dyke; magnetic
Felsic dyke; cross-cut the mafic dyke; 25 TCA
Felsic dyke (Kspar-rich); 50 TCA
Felsic dyke (Kspar-rich); 25 TCA; locally disrupted by micro-faults
Pervasive sericite(?) alteration zone including one quartz-pyrite vein at 125,65m (1cm-thick; 75 TCA); gradational contact
Pervasive sericite alteration zone including small pyrite stringers; 1-2% pyrite
Series of three quartz-pyrite-calcite veins/veinlets (at a ~30cm interval; 1-2cm-thick; 75 to 90 TCA)
A 3cm-thick quartz-pyrite vein; 67 TCA; 10% pyrite
A 1cm-thick quartz-calcite vein; 50 TCA; no mineralization associated
EOH

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357908 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-23-2009	**EASTING:**	451748 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	149m
START DATE:	lovember 23th 20(			**CORE SIZE:**	NQ
FINISH DATE:	lovember 25th 20(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results														
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429595	15.70	16.40	0.70		E429595	2.82	0	0	0	2.82												
E429596	17.30	17.80	0.50		E429596	1.92	0	0	0	1.92												
E429597	19.65	20.15	0.50		E429597	0.01	0	0	0	0.01												
E429598	25.00	26.00	1.00		E429598	0.01	0	0	0	0.01												
E429599	27.25	27.80	0.55		E429599	0.01	0	0	0	0.01												
E429600	27.80	27.80	0.00	STD																		
E429601	36.20	36.20	0.00	STD																		
E429602	36.20	37.00	0.80		E429602	0.16	0	0	0	0.16												
E429603	37.00	38.00	1.00		E429603	0.03	0	0	0	0.03												
E429604	47.95	48.55	0.60		E429604	0.26	0	0	0	0.26												
E429605	48.55	49.20	0.65		E429605	0.01	0	0	0	0.01												
E429606	49.20	50.00	0.80		E429606	0.00	0	0	0	0												
E429607	50.00	50.75	0.75		E429607	0.22	0	0	0	0.22												
E429608	53.00	53.50	0.50		E429608	0.23	0	0	0	0.23												
E429609	55.70	56.55	0.85		E429609	1.04	0	0	0	1.04												
E429610	56.55	57.55	1.00		E429610	0.07	0	0	0	0.07												
E429611	75.00	75.68	0.68		E429611	0.23	0	0	0	0.23												
E429612	75.68	76.25	0.57		E429612	0.52	0	0	0	0.52												
E429613	76.25	76.72	0.47		E429613	7.03	0	0	0	7.03												
E429614	76.72	77.50	0.78		E429614	1.24	0	0	0	1.24												
E429615	77.50	78.50	1.00		E429615	0.17	0	0	0	0.17												
E429616	78.50	78.50	0.00	BLK																		
E429617	78.50	79.00	0.50		E429617	0.06	0	0	0	0.06												
E429618	79.00	80.00	1.00		E429618	0.01	0	0	0	0.01												
E429619	80.00	81.00	1.00		E429619	0.01	0	0	0	0.01												
E429620	81.00	82.00	1.00		E429620	0.19	0	0	0	0.19												
E429621	82.00	83.00	1.00		E429621	0.56	0	0	0	0.56												
E429622	83.00	84.00	1.00		E429622	0.01	0	0	0	0.01												
E429623	84.00	85.00	1.00		E429623	0.01	0	0	0	0.01												
E429624	85.00	85.80	0.80		E429624	0.02	0	0	0	0.02												
E429625	85.80	85.80	0.00	STD																		
E429626	85.80	86.30	0.50		E429626	1.19	0	0	0	1.19												
E429627	86.30	87.00	0.70		E429627	0.02	0	0	0	0.02												
E429628	87.00	88.00	1.00		E429628	0.01	0	0	0	0.01												
E429629	88.00	89.00	1.00		E429629	0.58	0	0	0	0.58												
E429630	89.00	90.00	1.00		E429630	0.01	0	0	0	0.01												

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357908 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-23-2009	**EASTING:**	451748 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	149m
START DATE:	lovember 23th 20(			**CORE SIZE:**	NQ
FINISH DATE:	lovember 25th 20(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																	
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429631	90.00	90.00	0.00	BLK																		
E429632	90.00	91.00	1.00		E429632	0.06	0	0	0	0.06												
E429633	91.00	92.00	1.00		E429633	0.01	0	0	0	0.01												
E429634	92.00	93.00	1.00		E429634	0.01	0	0	0	0.01												
E429635	93.00	94.00	1.00		E429635	0.01	0	0	0	0.01												
E429636	102.70	103.20	0.50		E429636	0.98	0	0	0	0.98												
E429637	107.90	108.60	0.70		E429637	0.24	0	0	0	0.24												
E429638	108.60	109.70	1.10		E429638	0.14	0	0	0	0.14												
E429639	111.00	112.00	1.00		E429639	0.03	0	0	0	0.03												
E429640	112.00	112.75	0.75		E429640	0.84	0	0	0	0.84												
E429641	120.60	121.40	0.80		E429641	0.64	0	0	0	0.64												
E429642	125.00	125.90	0.90		E429642	0.14	0	0	0	0.14												
E429643	125.90	126.50	0.60		E429643	0.13	0	0	0	0.13												
E429644	128.10	128.90	0.80		E429644	0.80	0	0	0	0.8												
E429645	135.30	135.85	0.55		E429645	2.46	0	0	0	2.46												
E429646	135.85	135.85	0.00	BLK																		
E427515	5.00	6.00	1.00																			
E427516	6.00	7.00	1.00																			
E427517	7.00	8.00	1.00																			
E427518	8.00	9.00	1.00																			
E427519	9.00	10.00	1.00																			
E427520	10.00	11.00	1.00																			
E427521	11.00	12.00	1.00																			
E427522	12.00	13.00	1.00																			
E427523	13.00	14.00	1.00																			
E427524	14.00	14.00	0.00	BLK																		
E427525	14.00	14.00	0.00	STD-L																		
E427526	14.00	15.00	1.00																			
E427527	15.00	15.70	0.70																			
E427528	16.40	17.30	0.90																			
E427529	17.80	18.50	0.70																			
E427530	18.50	19.00	0.50																			
E427531	19.00	19.65	0.65																			
E427532	53.50	54.25	0.75																			
E427533	54.25	55.00	0.75																			
E427534	55.00	55.70	0.70																			

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357908 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-23-2009	**EASTING:**	451748 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	149m
START DATE:	lovember 23th 20(			**CORE SIZE:**	NQ
FINISH DATE:	lovember 25th 20(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																	
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427535	134.75	135.30	0.55																			
E427536	135.85	136.50	0.65																			

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	270
HOLE NO:	CAR-24-2009	**EASTING:**	451753 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	356m
START DATE:	November 26th 20	**Line 8+00E; Station 7+80**		**CORE SIZE:**	NQ
FINISH DATE:	November 29th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**2,55**	**2,55**																		**Casing/Overburden**
2,55	**178,58**	**176,03**																		**Granite**
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic. Micro-fractures with geothite alteration along the edges in the upperpart of the hole
4,54	4,76																			Pervasive calcite-hematite alteration zone (purple-ish red color); sharp contacts
8,30	8,89																			Pervasive calcite-hematite alteration zone (purple-ish red color); tr pyrite
11,90	11,92																			Small calcite-geothite vein; 30 TCA
19,20	19,26																			Felsic dyke (Kspar-rich); 85 TCA
22,49	22,50																			Quartz-Kspar vein; 65 TCA
25,25	25,26																			A 1cm-thick quartz vein + leaching edges (presence of leucoxene)
30,23	30,25																			A 1cm-thick quartz vein (35 TCA). No alteration associated
30,98	31,02																			A 3cm-thick quartz vein (30 TCA). No alteration associated
31,71	31,76																			A 3cm-thick quartz vein with a silica alteration zone associated; 40 TCA
31,93	32,07																			A 3cm-thick quartz-chlorite-(calcite) vein including 1% pyrite with a silica alteration zone associated; 25 TCA
37,59	37,63																			A 3cm-thick quartz vein; no alteration and no pyrite associated; 50 TCA
48,13	48,15																			Quartz-Kspar vein; 45 TCA
49,30	49,31																			A 1cm-thick quartz vein (30 TCA) disrupted by micro-faults;
55,78	55,87																			A 7cm-thick quartz vein (50 TCA); no pyrite associated
61,35	62,18																			Calcite-hematite alteration zone (purple-ish red color); chlorite-rich; tr pyrite
66,14	70,65																			Pervasive hematite-(calcite) alteration zone; chlorite-rich
73,95	76,15																			Pervasive hematite-(calcite) alteration zone; presence of leucoxene
81,00	81,57																			Pervasive silica-(carbonate) alteration (dark grey color) + chlorite along micro-fractures; tr pyrite
89,50	89,51																			A 1cm-thick quartz vein (40 TCA) associated with a silica alteration zone (~15cm-wide)
92,96	92,97																			A 1cm-thick quartz vein (70 TCA)
100,79	100,83																			A 3cm-thick quartz vein with pyrite and Kspar alteration along edges (80 TCA)
100,89	101,25																			Down-dip calcite vein (0,5cm-thick) + geothite along edges
105,60	105,65																			Series of small quartz veins + geothite alteration (+ presence of leucoxene)
107,87	108,04																			A 7cm-thick quartz vein (25 TCA); no pyrite and alteration associated
108,45	114,80																			Pervasive silica-(calcite) alteration zone (dark grey color); several micro-fractures filled with calcite occur
114,83	114,89																			A 4cm-thick quartz vein (35 TCA); tr pyrite
117,32	117,34																			A 1cm-thick quartz vein (40 TCA). No alteration associated
117,96	117,97																			A 1cm-thick quartz vein; 35 TCA
118,65	119,00																			Pervasive calcite-hematite alteration zone (purple-ish color) including a 1cm-thick quartz-calcite-pyrite veinlets at 118,83m (30TCA); 2% pyrite
121,97	122,04																			A 6cm-thick quartz-calcite-chlorite vein; 50 TCA
128,60	128,68																			A calcite-chlorite-quartz veining zone (60 TCA) + pyrite along edges; 2-3% pyrite
130,34	130,41																			A 7cm-thick chlorite vein (+quartz); 90 TCA
131,36	131,75																			Zone with a weak silica/carbonate alteration including 1-2% pyrite disseminated pyrite; most-likely associated with a dense micro-fracture network filled with calcite
132,10	132,12																			A 1cm-thick quartz-Kspar vein including 2-3% pyrite; 2% chalcopyrite
132,53	132,67																			A 5cm-thick; almost down-dip, quartz-Kspar vein
132,75	141,25																			Zone with 1-3% disseminated pyrite and 1% very fine-grained chalcopyrite; locally associated with a weak silica-hematite alteration. Partially digested xenoliths (few cm) in a proportion of >50%
141,25	146,15																			Zone with high proportion of partially digested xenoliths (few cm; locally >50%) + high proportion of chlorite and hornblende giving the rock a darker color; including local pyrite-chalcopyrite stringers and disseminated grains

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-24-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	356m
START DATE:	November 26th 20	Line 8+00E; Station 7+80		CORE SIZE:	NQ
FINISH DATE:	November 29th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
151,62	152,40																			Pervasive carbonate-(hematite) alteration including calcite-chlorite filled fractures/veinlets; 60-70 TCA
157,23	157,40																			Silica-hematite alteration associated with a calcite-chlorite veinlet; 30 TCA
160,43	160,56																			Felsic dyke (Kspar-rich); 10cm-thick; 35 TCA; cross-cut by small quartz tension fractures/veinlets
160,84	160,95																			Felsic dyke (Kspar-rich); 10cm-thick; 35 TCA; cross-cut by small quartz tension fractures/veinlets and disrupted by micro-faults
161,33	161,76																			Series of quartz stringers (dense network) calcite and local geothite along edges is associated
162,81	163,49																			Series of quartz stringers (dense network) associated with pervasive carbonate/silica hematite (?) alteration zone; tr-1% pyrite associated
165,60	166,74																			Weak to moderate pervasive carbonate/silica-hematite alteration zone
168,35	169,10																			Partially broken core
174,62	174,71																			A 5cm-thick quartz-Kspar vein; 35 TCA. No alteration associated
178,58	**221,19**	**42,61**																		**Altered granite; Hematite-calcite**
																				Purple-ish red color; locally specularite/hematite; 5-15% calcite. Homogeneous; presence of voids due to calcite dissolution
181,61	183,27																			Zone with calcite alteration, but no strong hematite alteration
200,82	201,20																			Chlorite vein (+calcite)
206,31	206,64																			Geothite alteration associated with a fracture; with chlorite alteration along edges or chlorite-rich vein; 45 TCA
217,05	217,13																			A 5cm-thick felsic dyke (hematite-calcite alteration); 40 TCA
219,74	219,77																			Felsic dyke (also affected by hematite-calcite alteration; 30 TCA
221,19	**356,00**	**134,81**																		**Mafic volcanic rock**
																				Contact at 90 TCA. Chlorite-rich; locally ~ 50% plagioclase (syn-volcanic sill?) Cross-cut by few granite dykes near the contact zone. Several calcite tension fractures occuring; tr-1% disseminated pyrite grains
221,80	222,04																			Granite dyke
224,33	224,78																			Felsic dyke (blury contacts)
227,90	227,91																			Carbonate vein including disseminated hematite and pyrite (1-2%); pillow lava margins?
228,24	229,14																			Down-dip carbonate vein including disseminated hematite and pyrite (1-2%); pillow lava margins?
234,20	234,34																			Series of three quartz-(pyrite) vein (1cm; 1cm and 5cm-thick;60 TCA); locally 1% pyrite
238,05	238,09																			Felsic dyke, sharp contacts
244,00	246,45																			Zone with a series of narrow pyrite stringers (<2% of the rock)
247,56	248,00																			Down-dip quartz-chlorite-(calcite) vein; 2cm-thick
252,65	257,00																			Partially broken core; geothite along late fractures
256,75	257,15																			Strong weathered zone (?); broken core, muddy
257,05	257,12																			Quartz-Kspar vein
257,15	258,65																			Granite intrusion including large mafic volcanic angular xenoliths
262,52	264,87																			Gabbro(?) sill or coarse-grained massive flow; including calcite tension fractures (one at a 5 to 15cm interval)
265,90	266,00																			Kspar and quartz vein; 40 TCA
266,23	266,32																			Kspar and quartz disrupted vein; 40 TCA
266,40	269,60																			Local micro-fractures with bleached edges; tr pyrite
267,32	267,88																			Down-dip quartz-chlorite vein; tr pyrite; tr chalcopyrite
271,00	271,25																			1-2% pyrite as euhedral disseminated grains
275,44	275,44																			Pyrite stringers; 50 TCA
276,10	276,17																			Semi-massive pyrite veins + quartz-pyrite vein with pervasive ankerite alteration associated; 55 TCA
276,92	276,94																			Quartz-pyrite-calcite vein; >10% pyrite; 45 TCA

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-24-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	356m
START DATE:	November 26th 20	Line 8+00E; Station 7+80		CORE SIZE:	NQ
FINISH DATE:	November 29th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
278,13	278,14																			Quartz-pyrite stringer; 50 TCA
278,74	278,91																			Series of pluri-cm thick quartz-pyrite vein (60 TCA) + ankerite/sericite alteration associated; 5-10% pyrite
290,10	291,40																			Zone with pyrite stringers associated with a weak to moderate ankerite alteration; 1-2% pyrite
290,74	290,91																			Calcite-chlorite-quartz-pyrite vein (15cm-thick; 70 TCA); 3-4% pyrite; tr-1% chalcopyrite
291,26	291,39																			Quartz-pyrite vein + ankerite alteration; 75 TCA; 5% pyrite
291,40	293,30																			Zone with pyrite stringers with ankerite alteration along their edges; one stringer at a 5 to 25cm interval; various orientations
295,33	295,37																			Pyrite (1-2%) associated with a calcite vein/alteration zone
295,80	296,20																			Zone with ~5% pyrite as stringers and narrow veins (0,5cm-thick) with ankerite alteration associated
304,50	305,30																			Partially broken core
306,85	307,40																			Down-dip calcite-quartz vein (1cm-thick)
310,50	327,25																			Syn-volcanic breccia with partially digested clasts.
326,00	326,65																			Zone with fine pyrite stringers + local ankerite alteration associated
327,25	330,22																			Mafic dyke; chlorite-rich; fine-grained; magnetic. Cross-cut by several felsic dykes
327,80	327,88																			Felsic dyke; 70 TCA
328,32	328,35																			Felsic dyke; 50 TCA
329,85	329,88																			Felsic dyke; 70 TCA
329,94	330,15																			Felsic dyke; 15 TCA
333,15	333,95																			Down-dip calcite veinlets (0,5cm-thick); tr chalcopyrite
334,20	335,10																			Zone with fine pyrite stringers including a 2cm-thick quartz-calcite-chlorite-jasper vein (with tr-1% pyrite) at 334,75m; 10 TCA)
338,76	339,73																			Zone of micro-fractures with hematite-ankerite alteration associated (not pervasive); including a 0,5cm-thick quartz vein (1% pyrite); 10TCA
344,50	346,10																			Down-dip calcite-quartz-chlorite vein (0,5 to 1cm-thick) with hematite alteration along edges
352,49	352,55																			Felsic dyke (50 TCA); cross-cut by several calcite tension fractures
353,85	353,88																			Quartz vein; 70 TCA
353,98	354,06																			Quartz-carbonate vein; 45 TCA; tr pyrite
354,37	354,38																			Quartz veinlets; 50 TCA; tr pyrite
356,00	356,00																			EOH

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-24-2009	**EASTING:**	451753 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	356m
START DATE:	lovember 26th 200			**CORE SIZE:**	NQ
FINISH DATE:	lovember 29th 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429647	8.30	8.90	0.60		E429647	0.00	0	0	0	0											
E429648	24.85	25.35	0.50		E429648	0.00	0	0	0	0											
E429649	30.10	30.75	0.65		E429649	0.00	0	0	0	0											
E429650	30.75	30.75	0.00	STD																	
E429651	30.75	31.60	0.85		E429651	0.00	0	0	0	0											
E429652	31.60	32.30	0.70		E429652	0.00	0	0	0	0											
E429653	81.00	81.60	0.60		E429653	0.01	0	0	0	0.01											
E429654	100.60	101.25	0.65		E429654	0.00	0	0	0	0											
E429655	114.50	115.00	0.50		E429655	0.00	0	0	0	0											
E429656	118.55	119.05	0.50		E429656	0.01	0	0	0	0.01											
E429657	128.30	128.80	0.50		E429657	0.00	0	0	0	0											
E429658	131.30	132.20	0.90		E429658	0.02	0	0	0	0.02											
E429659	132.20	133.00	0.80		E429659	0.01	0	0	0	0.01											
E429660	133.00	134.00	1.00		E429660	0.04	0	0	0	0.04											
E429661	134.00	135.00	1.00		E429661	0.03	0	0	0	0.03											
E429662	135.00	136.00	1.00		E429662	0.05	0	0	0	0.05											
E429663	136.00	137.00	1.00		E429663	0.04	0	0	0	0.04											
E429664	137.00	137.85	0.85		E429664	0.00	0	0	0	0											
E429665	137.85	138.50	0.65		E429665	0.07	0	0	0	0.07											
E429666	140.00	140.75	0.75		E429666	0.12	0	0	0	0.12											
E429667	160.35	161.00	0.65		E429667	0.00	0	0	0	0											
E429668	161.00	162.00	1.00		E429668	0.00	0	0	0	0											
E429669	162.00	162.75	0.75		E429669	0.00	0	0	0	0											
E429670	162.75	163.60	0.85		E429670	0.00	0	0	0	0											
E429671	227.85	228.75	0.90		E429671	0.00	0	0	0	0											
E429672	228.75	229.40	0.65		E429672	0.00	0	0	0	0											
E429673	234.10	234.85	0.75		E429673	0.14	0	0	0	0.14											
E429674	234.85	234.85	0.00	BLK																	
E429675	245.80	245.80	0.00	STD																	
E429676	245.80	246.45	0.65		E429676	0.00	0	0	0	0											
E429677	247.40	248.00	0.60		E429677	0.00	0	0	0	0											
E429678	262.45	263.00	0.55		E429678	0.00	0	0	0	0											
E429679	265.80	266.50	0.70		E429679	0.00	0	0	0	0											
E429680	266.50	267.25	0.75		E429680	0.00	0	0	0	0											
E429681	267.25	268.00	0.75		E429681	0.00	0	0	0	0											
E429682	275.00	275.65	0.65		E429682	0.00	0	0	0	0											

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-24-2009	**EASTING:**	451753 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	356m
START DATE:	lovember 26th 200			**CORE SIZE:**	NQ
FINISH DATE:	lovember 29th 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429683	275.65	276.35	0.70		E429683	1.43	0	0	0	1.43												
E429684	276.35	277.35	1.00		E429684	0.17	0	0	0	0.17												
E429685	277.35	278.10	0.75		E429685	0.01	0	0	0	0.01												
E429686	278.10	279.00	0.90		E429686	0.38	0	0	0	0.38												
E429687	290.00	290.70	0.70		E429687	0.80	0	0	0	0.8												
E429688	290.70	291.40	0.70		E429688	4.24	0	0	0	4.24												
E429689	291.40	292.00	0.60		E429689	0.04	0	0	0	0.04												
E429690	292.00	292.75	0.75		E429690	0.01	0	0	0	0.01												
E429691	292.75	293.35	0.60		E429691	0.26	0	0	0	0.26												
E429692	293.35	294.00	0.65		E429692	0.01	0	0	0	0.01												
E429693	294.00	295.00	1.00		E429693	0.01	0	0	0	0.01												
E429694	295.00	295.80	0.80		E429694	0.26	0	0	0	0.26												
E429695	295.80	296.50	0.70		E429695	3.37	0	0	0	3.37												
E429696	326.00	326.60	0.60		E429696	0.01	0	0	0	0.01												
E429697	333.50	334.50	1.00		E429697	0.01	0	0	0	0.01												
E429698	334.50	335.10	0.60		E429698	0.05	0	0	0	0.05												
E429699	335.10	335.10	0.00	BLK																		
E429700	338.75	338.75	0.00	STD																		
E429701	338.75	339.75	1.00		E429701	0.01	0	0	0	0.01												
E429702	353.80	354.45	0.65		E429702	0.01	0	0	0	0.01												
E427537	279.00	279.75	0.75																			
E427538	289.25	290.00	0.75																			
E427539	296.50	297.25	0.75																			
E427540	237.75	238.50	0.75																			
E427541	274.80	275.50	0.70																			

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358354 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-25-2009	EASTING:	451742 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	362m
START DATE:	November 29th 20	Line 8+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	December 1st 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	1,00	1,00																		Casing/Overburden
1,00	211,88	210,88																		Granite
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic. Micro-fractures with geothite alteration along the edges in the upperpart of the hole
6,92	6,97																			Quartz vein; 37 TCA; no alteration associated
8,22	11,15																			Unaltered granite, weakly magnetic
19,60	21,20																			Pervasive carbonate/silica alteration zone (light medium grey color). Locally contains 1% disseminated pyrite (euhedral grains)
20,16	20,23																			Quartz-calcite-chlorite veins; 75 TCA
26,96	26,98																			A 2cm-thick quartz-chlorite vein; 70 TCA
28,04	28,92																			Weak carbonate alteration zone (light grey) including local chlorite-pyrite stringers (coarse euhedral grains
50,40	50,43																			Quartz vein; 50 TCA
53,80	55,01																			Pervasive silica-carbonate alteration zone (locally ankerite?); including late fracture filled with calcite-geothite
57,63	57,65																			Quartz vein (40 TCA). No alteration associated
59,69	59,69																			Quartz stringer 50 TCA; presence of leucoxene along the edges
69,86	69,95																			A 9cm-thick quartz vein; 65 TCA. No significant alteration associated
72,85	74,50																			Zone of partial silica-carbonate alteration zone (medium-grey color). Few calcite tension fractures associated. Tr pyrite
77,95	77,96																			Quartz vein; 50 TCA
83,60	83,64																			A 2cm-thick quartz-Kspar vein; 40 TCA
83,68	83,72																			A 2cm-thick quartz-Kspar vein; 40 TCA
84,15	84,77																			Silica alteration zone, including two quartz veinlets and one chlorite vein; 60 TCA
85,00	85,10																			A 8cm-thick quartz-Kspar vein + sericite altered edges; 50 TCA
86,40	86,43																			A 2cm-thick quartz vein; 40 TCA. No alteration associated.
87,04	87,05																			A 1cm-thick quartz vein; 25 TCA. No alteration associated.
88,28	88,39																			A 8cm-thick quartz vein; 60 TCA. Sericite associated
88,46	88,55																			A 8cm-thick quartz vein; 60 TCA. Sericite alteration along the edges
90,08	90,10																			A 2cm-thick quartz vein + silica-ankerite alteration along edges; 45 TCA
92,58	92,60																			A 2cm-thick quartz vein + silica-ankerite alteration along edges; 45 TCA
94,97	97,48																			Pervasive silica-carbonate alteration zone (dark grey color). Tr disseminated pyrite
97,99	98,03																			Quartz vein; 50 TCA
106,98	107,02																			A 1cm-thick quartz vein; 35 TCA
112,91	112,97																			Series of two quartz veins (1cm-thick each; 50 TCA)
114,53	114,54																			A 1cm-thick quartz vein; 35 TCA
116,32	116,33																			A 1cm-thick quartz vein; 65 TCA
117,62	117,81																			Silica-carbonate (Ank?) alteration zone, including 2% pyrite as disseminated grains
118,28	118,52																			Silica-carbonate (Ank?) alteration zone, including 2% pyrite as disseminated grains + quartz vein at 118,35m (1cm-thick; 40 TCA)
120,50	121,55																			Partially broken core; geothite along fractures
125,35	125,92																			Partially broken core
127,08	130,12																			Pervasive, weak to moderate silica-carbonate alteration zone; including calcite veinlets. Tr disseminated pyrite
133,16	133,21																			A 4cm-thick quartz vein; 60 TCA. No alteration associated
134,68	134,69																			A 1cm-thick quartz vein; 45 TCA. No alteration associated
136,50	136,55																			A 4cm-thick quartz-Kspar vein; 55 TCA
142,50	142,64																			Geothite alteration zone with 1-2% pyrite. Presence of leucoxene
143,58	143,71																			Carbonate alteration zone including 2% disseminated pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358354 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-25-2009	EASTING:	451742 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	362m
START DATE:	November 29th 20	Line 8+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	December 1st 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
148,55	149,25																			Weak carbonate alteration zone; gradational contacts
151,22	152,45																			Weak carbonate alteration zone; including small calcite filled fractures
158,35	158,35																			A small pyrite stringer; 50 TCA
164,40	166,95																			Weak carbonate alteration zone
167,83	169,06																			Weak silica alteration zone (stronger along micro-fractures); tr-1% pyrite
170,40	170,86																			Weak carbonate-(hematite) alteration zone
175,40	177,10																			Pervasive and strong silica alteration zone associated with a micro-fracture network; including tr-1% pyrite disseminated pyrite
175,95	175,97																			A 2cm-thick quartz-pyrite vein; 10% pyrite; 50 TCA
180,01	180,05																			A 3cm-thick quartz vein; 35 TCA. No alteration associated
186,62	187,50																			Broken and partially broken core
186,82	186,84																			Quartz vein; 60 TCA. No mineralization associated
188,20	188,43																			Series of open-space fracturing; partially filled with calcite and quartz
192,43	192,75																			Broken core
193,30	195,56																			Weak silica alteration zone
195,41	195,44																			Quartz-(chlorite) vein; 70 TCA
196,71	196,72																			Quartz vein; 45 TCA
202,24	204,12																			Silica-carbonate alteration zone
202,86	203,00																			Heavily broken core
204,12	205,82																			Weak to moderate calcite alteration (+hematite)
207,37	207,39																			A 2cm-thick quartz veins; 60 TCA
208,28	209,29																			A 1cm-thick quartz vein; 40 TCA. Presence of leucoxene along edges
211,88	**303,51**																			**Altered granite**
																				Purple-ish red hematite-calcite pervasive and penetrative alteration. Locally chlorite proportion >50% (alteration?). Locally voids (5-10%) due to calcite dissolution. Some voids are filled with specularite hematite
216,10	216,88																			Mafic dyke (?); chlorite-rich
241,72	241,80																			A 7cm-thick Kspar-quartz vein/dyke; 60 TCA
261,40	265,97																			Zone with ~10-15% dissolution voids
274,88	275,78																			Silicified zone superimpose the carbonate-hematite alteration
276,72	288,93																			Carbonate-hematite alteration-free zone
289,75	297,08																			Unaltered granite
303,51	**314,46**																			**Granite**
																				idem as the first granite unit; weak carbonate alteration
314,46	**338,35**																			**Mafic intrusion**
																				Magnetic; fine-grained; chlorite-rich. Dark green to greenish-black color
316,05	318,00																			Magnetic; 1-2% disseminated pyrite
317,50	317,90																			Zone with quartz-Kspar disrupted vein/dyke(?) including tr-1% pyrite
319,20	319,77																			Zone with 2-3% disseminated pyrite
320,00	323,00																			Broken and partially broken core
326,95	327,15																			Disrupted felsic dyke
328,34	328,85																			Felsic dyke
332,00	332,97																			Granite dyke

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358354 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-25-2009	EASTING:	451742 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	362m
START DATE:	November 29th 20	Line 8+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	December 1st 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
338,35	362,00																			**Mafic volcanic rock**
																				Chlorite and plagioclase. Locally brecciated. Few calcite tension fractures occur
348,45	348,60																			A 1 cm-thick quartz-calcite-chlorite vein; 15 TCA
349,42	349,43																			Quartz vein; 50 TCA
349,73	349,74																			Quartz vein; 50 TCA
353,35	353,52																			Granite dyke
356,25	356,88																			Granite dyke
362,00	362,00																			EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358354 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-25-2009	**EASTING:**	451742 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	362m
START DATE:	lovember 29th 200			**CORE SIZE:**	NQ
FINISH DATE:	December 1st 200				

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Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																	
					SAMPLE_N	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429703	19.50	20.50	1.00		E429703	0.00	0	0	0	0												
E429704	83.50	84.15	0.65		E429704	0.00	0	0	0	0												
E429705	84.15	85.15	1.00		E429705	0.00	0	0	0	0												
E429706	88.15	88.65	0.50		E429706	0.00	0	0	0	0												
E429707	117.55	118.55	1.00		E429707	0.01	0	0	0	0.01												
E429708	142.45	143.00	0.55		E429708	0.03	0	0	0	0.03												
E429709	143.00	143.75	0.75		E429709	0.01	0	0	0	0.01												
E429710	175.55	176.20	0.65		E429710	0.35	0	0	0	0.35												
E429711	315.50	316.05	0.55		E429711	0.01	0	0	0	0.01												
E429712	316.05	317.00	0.95		E429712	0.00	0	0	0	0												
E429713	317.00	317.50	0.50		E429713	0.01	0	0	0	0.01												
E429714	317.50	318.00	0.50		E429714	0.00	0	0	0	0												
E429715	318.00	318.60	0.60		E429715	0.01	0	0	0	0.01												
E429716	318.60	319.20	0.60		E429716	0.01	0	0	0	0.01												
E429717	319.20	320.00	0.80		E429717	0.01	0	0	0	0.01												
E429718	320.00	321.00	1.00		E429718	0.01	0	0	0	0.01												
E429719	321.00	322.00	1.00		E429719	0.01	0	0	0	0.01												
E429720	322.00	323.00	1.00		E429720	0.01	0	0	0	0.01												
E429721	323.00	324.00	1.00		E429721	0.01	0	0	0	0.01												
E429722	324.00	325.00	1.00		E429722	0.01	0	0	0	0.01												

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358354 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-26-2009	EASTING:	451742 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	290m
START DATE:	December 1st 20(	Line 8+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	December 3rd 2009				

Depth			Rock Type					Structure		ALTERATION Alteration Intensity			CODE	Mineralisation Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
0,00	**0,55**	**0,55**																		**Casing/Overburden**
0,55	**109,50**	**108,95**																		**Granite**
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic. Micro-fractures with geothite alteration along the edges in the upperpart of the hole
7,85	8,36																			Weak silica-carbonate alteration zone; including a 1cm-thick quartz-calcite vein; 70 TCA
26,12	26,14																			A 2cm-thick quartz vein with a 1cm-wide alteration zone (silica-carbonate-sericite)
42,10	42,76																			Weak carbonate alteration zone
53,05	53,08																			A 2cm-thick quartz-chlorite vein; 30 TCA
65,42	65,45																			A 3cm-thick quartz-chlorite vein; 55 TCA
65,85	67,03																			Partially broken core
66,64	66,68																			A 4cm-thick quartz-chlorite vein
95,69	96,65																			Large disgested xenolith
96,94	96,98																			A 4cm-thick quartz vein; 90 TCA. No alteration associated
98,04	98,11																			Two quartz-chlorite veins (2cm-thick; 55 TCA). Tr pyrite
99,43	99,56																			Pervasive hematite alteration zone
99,83	100,04																			Quartz-chlorite vein; 15cm-thick; 35 TCA
102,22	102,23																			Quartz vein; 70 TCA. No alteration associated
102,50	102,51																			Quartz vein; 60 TCA.
104,22	104,23																			Quartz vein; 65 TCA.
108,09	108,10																			Quartz vein; 25 TCA; tr. Pyrite
109,50	**113,20**	**3,70**																		**QFP Dyke**
																				Local ankerite alteration associated with calcite veinlets. Downhole contact is weathered (broken core and muddy). Tr Pyrite. Contact 45 TCA
113,20	**290,00**	**176,80**																		**Granite**
																				Idem as the previous granite unit
113,20	113,70																			Partially broken core
118,00	120,35																			Partially broken core
121,81	121,83																			a 2cm-thick quartz vein; 20 TCA. No alteration associated
122,00	122,35																			Broken core
122,65	123,52																			Pervasive silica alteration; including tr-1% pyrite within calcite stringers
124,66	124,67																			a 1cm-thick quartz vein; 25 TCA
136,60	137,00																			a 1cm-thick, down-dip (5 TCA) quartz vein.
142,74	142,81																			Hematite/geothite alteration zone associated with a quartz vein; 35 TCA
151,55	152,71																			Pervasive silica alteration zone including local pyrite stringers and a 3cm-thick quartz vein
152,47	152,52																			a 3cm-thick quartz vein (20 TCA); associated with strong ankerite/sericite alteration along the edges
153,29	153,40																			a 4cm-thick quartz vein (15 TCA) + sericite alteration
165,86	165,88																			a 2cm-thick quartz vein; 25 TCA. Tr pyrite
167,70	171,50																			Weak carbonate alteration zone; light grey color
171,25	171,26																			a 1cm-thick quartz vein
175,40	177,45																			Pervasive silica and carbonate alteration zone including 1-2% disseminated pyrite
176,55	176,70																			Zone with 5% pyrite associated with strong silica alteration
181,85	184,25																			Silica-hematite-(carbonate) alteration zone; greyish orange-color
185,53	185,70																			Hematite-silica(?) alteration zone; 1% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358354 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-26-2009	EASTING:	451742 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	290m
START DATE:	December 1st 20(	Line 8+00E; Station 7+00		CORE SIZE:	NQ
FINISH DATE:	December 3rd 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
185,95	185,97																			a 2cm-thick quartz vein including 1% pyrite + silica-hematite alteration along edges
188,95	194,10																			Strong and pervasive silica-carbonate alteration zone. All minerals are strongly altered leaving only quartz crystals giving the rock a "pseudo-breccia texture". Up to 5% pyrite
191,20	191,23																			a 2cm-thick quartz-pyrite-chlorite vein; 35 TCA. 2% pyrite
207,80	208,08																			Pervasive calcite-hematite alteration; purple-ish red color
210,92	211,24																			Pervasive carbonate-hematite alteration including tr-1% pyrite
221,60	221,62																			Calcite-chlorite-quartz vein (25 TCA); with carbonate alteration associated
229,60	229,62																			A 2cm-thick quartz-calcite-chlorite vein (50 TCA) associated with a carbonate-hematite alteration
231,34	237,40																			Pervasive silica alteration zone (dark grey color)
233,00	233,48																			Zone with 3-4% pyrite
233,48	233,92																			Mineralized zone: quartz-pyrite-chlorite (or tourmaline?) vein (44cm-thick; 60 TCA; 5-10% pyrite)
233,92	234,40																			Zone with 3-4% pyrite
234,40	234,58																			Mineralized zone: quartz-pyrite-chlorite (or tourmaline?) vein (15cm-thick; 80 TCA; 10% to semi-massive pyrite)
244,08	249,87																			Silica alteration zone (gradational contacts), including few quartz veinlets, locally tr pyrite
253,75	254,40																			Pervasive hematite-silica alteration zone (greyish orange color); tr pyrite
256,45	256,77																			Pervasive hematite-silica alteration zone (greyish orange color); tr pyrite
260,00	266,60																			Pervasive carbonate alteration zone (light grey); tr pyrite
263,65	263,90																			Zone with 1-2% pyrite (carbonate alteration associated)
267,37	267,38																			A 1cm-thick quartz vein + hematization or (Kspar?) altered edges; 85 TCA
276,60	277,95																			Silica alteration zone
277,71	277,76																			A 4cm-thick quartz vein; 40 TCA. Tr pyrite
277,95	290,00																			Unaltered granite (pink color); magnetic
283,96	284,33																			Large partially disgested xenolith
285,22	286,00																			Large partially disgested xenolith
290,00	290,00																			EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358354 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-26-2009	EASTING:	451742 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	290m
START DATE:	December 1st 200			CORE SIZE:	NQ
FINISH DATE:	December 3rd 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_N	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429723	98.00	98.50	0.50		E429723	0.00	0	0	0	0												
E429724	98.50	98.50	0.00	BLK																		
E429725	99.30	99.30	0.00	STD																		
E429726	99.30	100.15	0.85		E429726	0.01	0	0	0	0.01												
E429727	109.50	110.50	1.00		E429727	0.01	0	0	0	0.01												
E429728	110.50	111.50	1.00		E429728	0.01	0	0	0	0.01												
E429729	111.50	112.20	0.70		E429729	0.00	0	0	0	0												
E429730	112.20	113.20	1.00		E429730	0.01	0	0	0	0.01												
E429731	122.65	123.55	0.90		E429731	0.01	0	0	0	0.01												
E429732	151.50	152.25	0.75		E429732	0.00	0	0	0	0												
E429733	152.25	153.00	0.75		E429733	0.00	0	0	0	0												
E429734	153.00	153.55	0.55		E429734	0.00	0	0	0	0												
E429735	175.40	176.30	0.90		E429735	0.01	0	0	0	0.01												
E429736	176.30	176.90	0.60		E429736	0.00	0	0	0	0												
E429737	176.90	177.45	0.55		E429737	0.00	0	0	0	0												
E429738	185.50	186.10	0.60		E429738	0.01	0	0	0	0.01												
E429739	188.90	189.75	0.85		E429739	0.00	0	0	0	0												
E429740	189.75	190.50	0.75		E429740	0.02	0	0	0	0.02												
E429741	190.50	191.00	0.50		E429741	0.03	0	0	0	0.03												
E429742	191.00	191.50	0.50		E429742	0.60	0	0	0	0.6												
E429743	191.50	192.15	0.65		E429743	0.01	0	0	0	0.01												
E429744	192.15	192.80	0.65		E429744	0.08	0	0	0	0.08												
E429745	192.80	193.50	0.70		E429745	0.01	0	0	0	0.01												
E429746	193.50	194.10	0.60		E429746	0.00	0	0	0	0												
E429747	232.45	232.95	0.50		E429747	0.01	0	0	0	0.01												
E429748	232.95	233.45	0.50		E429748	0.56	0	0	0	0.56												
E429749	233.45	233.45	0.00	BLK																		
E429750	233.45	233.45	0.00	STD																		
E429751	233.45	233.95	0.50		E429751	>10.00	0	14.25	0	14.25												
E429752	233.95	234.65	0.70		E429752	4.78	0	0	0	4.78												
E429753	234.65	235.50	0.85		E429753	0.00	0	0	0	0												
E429754	263.50	264.15	0.65		E429754	0.29	0	0	0	0.29												
E429755	277.35	277.85	0.50		E429755	0.00	0	0	0	0												

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358477 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-27-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	330,5m
START DATE:	December 4th 20	Line 8+00E; Station 8+25		CORE SIZE:	NQ
FINISH DATE:	December 7th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**7,20**	**7,20**																		**Casing/Overburden**
7,20	**10,00**	**2,80**																		**Granite**
																				Not magnetic; Composition: 20% quartz; 20% biotite/chlorite; 30% Kspar; 30% plagioclase; plagioclase are partially altered into epidote/sericite (giving the rock a light greenish color). Digested xenoliths occur. Cross-cut by few micro-fractures/veinlets with local silica alteration associated along their edges. Locally unaltered, the granite is weakly magnetic. Micro-fractures with geothite alteration along the edges in the upperpart of the hole
8,82	9,35																			Mafic volcanic rock unit
10,00	**41,96**																			**Iron Formation**
																				Sulphide - oxide - chert. Massive beds of pyrrhotite-(pyrite); (1 to 10cm-thick) in alternance with chert beds (~10cm-thick) and 3cm-thick magnetite beds). Beds are down-dip and locally interbedded with mafic volcanic beds (~m-thick)
16,03	16,35																			Granite dyke
16,35	17,00																			Mafic volcanic rock(?) or chlorite-rich zone; 1-2% pyrite
17,00	17,56																			Granite dyke
25,03	25,34																			Granite dyke
31,35	32,89																			Bed of mafic volcanic rock/mafic intrusion; not magnetic
35,06	37,12																			Bed of mafic volcanic rock/mafic intrusion; not magnetic; 1% disseminated pyrite
39,16	41,00																			Interbedded mafic volcanic breccia; matrix contains 2-5% pyrite-pyrrhotite; tr Chalcopyrite; weakly magnetic due to pyrrhotite
41,96	**164,50**																			**Mafic volcanic rock/intrusion**
																				Volcanic breccia and/or intrusion with xenoliths. Local iron formation (xenoliths or interbedded horizons). Pyrrhotite and pyrite also occur locally in the matrix
47,37	55,19																			Zone with >50% of granite dykes/disrupted dykes
55,28	55,60																			Iron formation bed/large xenolith. Oxide facies (magnetite); 1% pyrite-pyrrhotite
57,75	58,65																			Iron formation beds intermixed with mafic volcanic breccia
79,91	79,91																			Pyrrhotite stringers; 35 TCA
80,06	80,07																			Pyrite-pyrrhotite stringer; 30 TCA
86,04	87,23																			Zone with massive blebs of pyrrhotite and locally pyrite (iron formation clasts?)
87,65	88,44																			Zone with massive blebs of pyrrhotite and locally pyrite (iron formation clasts?)
93,50	94,70																			Down-dip granite dyke (1 to 5cm-thick)
96,00	121,50																			Breccia, pillow-breccia with a magnetic matrix; 2-3% pyrite as coarse grains. Dark green color
110,64	110,96																			Pegmatite dyke (Kspar-quartz-biotite)
115,41	115,65																			Granite dyke
117,29	117,46																			Pegmatite dyke (Kspar-quartz-biotite)
118,26	120,88																			Granite dyke (including xenolith of the host rock)
124,25	126,25																			Granite dyke; tr chalcopyrite at 125,04m
125,36	125,42																			A 5cm-thick quartz vein; 55 TCA
127,15	127,40																			Granite dyke
127,40	128,24																			Pillow lava (?)
128,24	128,70																			Granite dyke
137,50	139,00																			Partially broken core
146,62	146,63																			1cm-thick calcite vein; 65 TCA
147,06	147,07																			1cm-thick calcite-geothite vein; 65 TCA
158,80	158,85																			Small pegmatite vein
164,50	**175,56**																			**Granite**
																				Pervasive calcite-hematite alteration; orange-red and pinkish-red color

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358477 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-27-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	330,5m
START DATE:	December 4th 20	Line 8+00E; Station 8+25		CORE SIZE:	NQ
FINISH DATE:	December 7th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
166,02	166,03																			A 1cm-thick quartz vein; 35 TCA
175,56	**330,50**																			**Mafic volcanic rock/intrusion**
																				Volcanic breccia and/or intrusion with xenoliths. Pyrrhotite and pyrite also occur locally in the matrix
179,50	184,75																			Zone of hematization giving the rock a purple-ish green color. Locally veins of specularite also occur
192,10	192,60																			Iron formation bed, down-dip (5 to 10 TCA); magnetite-hematite-chlorite
195,50	195,58																			Pegmatite dyke (Kspar-quartz-biotite)
195,88	196,32																			Pegmatite dyke (Kspar-quartz-biotite)
196,86	197,21																			Hematite/specularite filled fractures
202,33	202,34																			Quartz-chlorite-calcite vein; 20 TCA
209,62	209,64																			Quartz vein + pink calcite along the edges; 65 TCA
214,40	214,90																			Heavily broken core
224,57	224,60																			A 3cm-thick quartz vein (80 TCA); with 5% disseminated pyrite as alteration (+ presence of fuschite)
227,00	227,22																			Pegmatite dyke (Kspar-quartz)
228,90	230,20																			Zone partially altered into sericite/ankerite; associated with a series of down-dip quartz veinlets and locally pyrite stringers
231,50	234,22																			Zone partially altered into sericite/ankerite (preferentially along a micro-fracture network, pyrite stringers (1-2%) and down-dip quartz veinlets
236,28	236,75																			Granite dyke
237,95	238,50																			Granite dyke
238,50	239,90																			Zone with a series of pyrite stringers
238,94	238,95																			Quartz-pyrite veinlets; 60 TCA
239,31	239,40																			A 7cm-thick quartz-pyrite vein; semi-massive pyrite
241,56	241,78																			Sericite alteration zone (or bleaching?) including 1-2% pyrite
248,82	249,15																			2-3% pyrite as veinlets + sericite/ankerite alteration associated
250,95	251,19																			A 2cm-thick quartz vein with ankerite-calcite altered edges; 25 TCA
258,75	258,76																			A 1cm-thick quartz-calcite vein + pyrite alteration along edges
260,43	266,36																			Zone of pervasive hematization giving the rock a dark orange-pink color
262,06	262,55																			Schistosity well-developed; (breccia-fault zone ?); 60 TCA
262,65	262,83																			Series of quartz veinlets + epidote alteration associated (or bleaching?)
267,53	274,76																			Pervasive sericite alteration zone (light beige color); including pyrite stringers and quartz-pyrite veins (~one vein/stringer per meter)
269,73	269,87																			Quartz vein (1cm-thick; 15 TCA); tr pyrite
270,02	270,06																			A 4cm-thick quartz-pyrite vein; 45 TCA; 10% pyrite
271,38	271,40																			A 2cm-thick quartz-pyrite vein; 40 TCA; 5% pyrite
274,50	274,65																			A 12cm-thick quartz-pyrite vein; 60 TCA; 5% pyrite
275,00	279,25																			Zone with carbonate filled fractures with hematization along edges (~5% of the rock)
282,99	283,11																			Series of pyrite stringers with bleached edges (60 TCA)
284,18	284,21																			Series of pyrite stringers with bleached edges (70 TCA)
285,36	285,36																			Pyrite stringer; 65 TCA
289,74	289,75																			A 0,5cm-thick calcite-pyrite veinlets; 40 TCA
290,10	291,00																			Series of fine pyrite stringers with hematized edges; 50 TCA. 1-2% pyrite
293,66	293,83																			Disrupted quartz vein including semi-massive pyrite; 10% pyrite
295,30	296,05																			Series of quartz vein (1cm-thick; one at a 30cm interval; various orientations) with carbonate-pyrite partial alteration associated; 3-4% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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7 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358477 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-27-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	330,5m
START DATE:	December 4th 20	Line 8+00E; Station 8+25		CORE SIZE:	NQ
FINISH DATE:	December 7th 2009				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
297,58	297,68																		
298,59	298,70																		
319,21	319,32																		
320,57	320,59																		
324,60	324,63																		
324,82	324,84																		
326,60	327,10																		
330,50	330,50																		

COMMENTS
A 7cm-thick quartz vein; carbonate-silica alteration zone associated (1% pyrite)
Pegmatite vein (Kspar-quartz)
A 7cm-thick quartz-carbonate vein; 25 TCA
A 2cm-thick quartz vein; 30 TCA
Quartz-(chlorite)-(calcite) vein (2cm-thick; 25 TCA)
Quartz-(chlorite)-(calcite) vein (2cm-thick; 20 TCA)
Granite dyke
EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358477 N, NAD83	AZIMUTH:	270.00
HOLE NO:	CAR-27-2009	EASTING:	451753 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	330,5m
START DATE:	December 4th 200			CORE SIZE:	NQ
FINISH DATE:	December 7th 200				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_N	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429756	16.35	17.00	0.65		E429756	0.00	0	0	0	0										
E429757	20.75	21.85	1.10		E429757	0.01	0	0	0	0.01										
E429758	39.60	40.35	0.75		E429758	0.00	0	0	0	0										
E429759	79.75	80.25	0.50		E429759	0.03	0	0	0	0.03										
E429760	86.15	87.25	1.10		E429760	0.00	0	0	0	0										
E429761	125.00	125.50	0.50		E429761	0.03	0	0	0	0.03										
E429762	224.30	224.80	0.50		E429762	0.01	0	0	0	0.01										
E429763	228.75	229.35	0.60		E429763	0.12	0	0	0	0.12										
E429764	229.35	230.20	0.85		E429764	0.01	0	0	0	0.01										
E429765	230.20	231.30	1.10		E429765	0.01	0	0	0	0.01										
E429766	231.30	232.00	0.70		E429766	0.04	0	0	0	0.04										
E429767	232.00	232.80	0.80		E429767	0.01	0	0	0	0.01										
E429768	232.80	233.60	0.80		E429768	0.01	0	0	0	0.01										
E429769	233.60	234.30	0.70		E429769	0.01	0	0	0	0.01										
E429770	234.30	235.00	0.70		E429770	0.01	0	0	0	0.01										
E429771	238.50	239.50	1.00		E429771	4.70	0	0	0	4.7										
E429772	239.50	240.50	1.00		E429772	0.01	0	0	0	0.01										
E429773	240.50	241.50	1.00		E429773	0.01	0	0	0	0.01										
E429774	241.50	241.50	0.00	BLK																
E429775	241.50	241.50	0.00	STD																
E429776	241.50	242.00	0.50		E429776	0.01	0	0	0	0.01										
E429777	250.70	251.30	0.60		E429777	0.01	0	0	0	0.01										
E429778	258.45	259.15	0.70		E429778	0.62	0	0	0	0.62										
E429779	262.00	263.00	1.00		E429779	0.01	0	0	0	0.01										
E429780	267.50	268.50	1.00		E429780	0.03	0	0	0	0.03										
E429781	268.50	269.00	0.50		E429781	0.08	0	0	0	0.08										
E429782	269.00	269.70	0.70		E429782	0.01	0	0	0	0.01										
E429783	269.70	270.20	0.50		E429783	2.24	0	0	0	2.24										
E429784	270.20	271.25	1.05		E429784	0.01	0	0	0	0.01										
E429785	271.25	271.90	0.65		E429785	1.00	0	0	0	1										
E429786	271.90	272.75	0.85		E429786	0.01	0	0	0	0.01										
E429787	272.75	273.50	0.75		E429787	0.01	0	0	0	0.01										
E429788	273.50	274.30	0.80		E429788	0.02	0	0	0	0.02										
E429789	274.30	274.80	0.50		E429789	2.32	0	0	0	2.32										
E429790	282.90	283.30	0.40		E429790	0.04	0	0	0	0.04										
E429791	284.00	284.50	0.50		E429791	0.04	0	0	0	0.04										
E429792	289.60	290.20	0.60		E429792	0.16	0	0	0	0.16										
E429793	290.20	291.00	0.80		E429793	0.03	0	0	0	0.03										
E429794	293.60	294.50	0.90		E429794	0.54	0	0	0	0.54										
E429795	294.50	295.30	0.80		E429795	0.02	0	0	0	0.02										
E429796	295.30	296.25	0.95		E429796	0.02	0	0	0	0.02										
E429797	297.50	298.00	0.50		E429797	0.01	0	0	0	0.01										
E429798	318.90	319.40	0.50		E429798	0.01	0	0	0	0.01										
E429799	319.40	319.40	0.00	BLK																
E429800	319.40	319.40	0.00	STD																
E427540	237.75	238.50	0.75																	
E427541	274.80	275.50	0.70																	
I766587	248.00	248.75	0.75																	
I766588	248.75	249.25	0.50																	
I766589	249.25	250.00	0.75																	

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357475 N, NAD83	AZIMUTH:	90
HOLE NO:	CAR-28-2009	EASTING:	450770 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	368m
START DATE:	January 18th 20	Line 1+50S; Station 1+93W		CORE SIZE:	NQ
FINISH DATE:	January 21th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
0,00	**28,60**	**28,60**	**Casing/Overburden**
28,60	**368,00**	**339,40**	**Granite. Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.**
			Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
			cm to pluri-cm xenoliths occur locally. Local magnetic mafic dykes (<1m-thick) cross-cut the granite
35,13	35,26		Broken core/fault zone?
47,35	51,15		Zone with few thin calcite-(pyrite) stringers (1 at a 20 to 50cm interval) tr pyrite; with carbonate-silica alteration along edges
57,38	57,59		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
59,17	59,25		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
63,30	64,27		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
64,45	65,30		Fault zone; broken and lost core (0,55m missing core form 64.45 - 65.00m)
65,34	65,45		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. + hematization
69,15	69,27		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
69,85	70,15		Down-dip quartz-chlorite veinlet (<0,5cm-thick)
73,05	73,06		Quartz-carbonate-chlorite vein; 70 TCA
74,39	76,65		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. + epidotized clasts (cm)
80,56	80,71		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich.
83,68	83,83		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich.
84,59	84,80		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. Trace pyrite
85,77	85,89		A network of calcite veinlets
85,89	86,91		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
89,25	89,83		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
90,72	94,04		Calcite-hematite alteration zone giving the rock a dark pink color
109,05	113,62		Pervasive carbonate-(silica) alteration zone (light grey color). ± hematization
115,65	117,14		Pervasive carbonate-(silica) alteration zone (light grey color). ± hematization
116,23	116,24		Quartz-chlorite-hematite vein (1cm-thick); 25 TCA
128,54	129,47		Pervasive carbonate-(silica) alteration zone (light grey color).
132,70	133,67		Zone of fractures (<5%) with geothite along edges; locally calcite veinlets are associated
151,45	152,00		Silica-carbonate alteration zone (grey color) with tr. Pyrite
156,29	161,27		Pervasive silica-carbonate alteration zone; locally + chlorite and pyrite (~1%)
158,78	158,86		Quartz-chlorite-(pyrite) vein; 45 TCA
168,60	170,18		Carbonate-(silica) alteration zone (light grey color) with calcite-filled micro-fractures
175,75	176,57		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
177,14	177,17		Quartz-chlorite vein (3cm-thick; 50TCA)
179,77	179,78		Quartz veinlet; 1cm-thick; 60TCA
183,57	184,54		Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
194,60	200,32		Pervasive carbonate-silica alteration zone (light grey color); local micro-fractures of calcite; locally tr pyrite
203,45	207,05		Pervasive carbonate-(sericite) alteration zone
206,01	206,08		A 5cm-thick quartz vein associated with a pluri-dm wide sericite(?) alteration zone; 40TCA. Tr pyrite
209,50	211,35		Unaltered granite; weakly magnetic
211,62	213,94		Pervasive silica-carbonate alteration zone (dark grey color). Tr. Pyrite. Few calcite microfractures/veinlets
223,31	223,35		A 4cm-thick quartz vein with a dm-wide alteration zone associated (silica-pyrite); 1-2% pyrite
229,20	232,18		Carbonate-sericite-silica alteration zone (grey and yellowish-green color); locally 1% pyrite
234,16	236,65		Carbonate alteration zone; light grey color. Calcite micro-veinlets
245,23	265,15		Pervasive silica-carbonate alteration zone; locally a sericite alteration superimpose the silica alteration (light to dark grey). Few quartz veinlets occur (<1cm-thick)
258,60	260,60		Presence of quartz veins (0,5cm-thick; ~1 per 60cm; 80TCA); 1% pyrite associated along edges

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357475 N, NAD83	**AZIMUTH:**	90
HOLE NO:	CAR-28-2009	**EASTING:**	450770 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	368m
START DATE:	January 18th 20	**Line 1+50S; Station 1+93W**		**CORE SIZE:**	NQ
FINISH DATE:	January 21th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
260,20	260,20																		
274,76	276,45																		
277,56	279,30																		
282,36	282,55																		
290,90	294,89																		
297,70	299,72																		
299,14	299,17																		
303,20	303,80																		
307,70	308,35																		
309,59	309,62																		
316,86	320,81																		
324,30	325,05																		
326,35	329,65																		
333,26	335,40																		
334,36	334,37																		
336,30	337,69																		
341,90	342,27																		
345,84	352,80																		
346,84	346,85																		
347,19	347,30																		
348,47	348,48																		
351,08	351,15																		
353,75	358,25																		
354,33	354,50																		
362,00	367,80																		
362,28	362,30																		
365,00	365,30																		
368,00	368,00																		

COMMENTS
1-2% disseminated pyrite associated to a quartz vein (30TCA)
Carbonate alteration zone; light grey color. Micro-fractures filled with calcite
Sericite-silica alteration zone light greenish-grey color associated with few quartz veins (0.5cm-thick; 60 to 80 TCA; one veinlets at a 20 to 50cm interval). Tr-1% pyrite associated
Sericite alteration zone associated with a 0.5cm-thick quartz vein; tr. Pyrite
Carbonate-(sericite) alteration zone (light greenish-grey color). Few quartz veinlets @ 291.24 to 291.36m and @ 293.85m
Carbonate-(silica) alteration zone
A 3cm-thick quartz-chlorite; 80TCA
Carbonate-silica alteration zone associated with a 4cm-thick quartz vein with 1% pyrite along edges; 70TCA
Carbonate-silica alteration zone associated with few quartz veinlets between 307.95 - 308.00m; tr-1% pyrite associated
A 3cm-thick quartz vein with pyrite-sericite alteration associated. 1% pyrite
Pervasive carbonate-(silica) alteration zone; light grey color
Carbonate-silica alteration zone + calcite filled micro-fractures; light grey color
Silica-(locally ankerite) alteration zone including tr-1% disseminated pyrite along a carbonate micro-veinlets
Carbonate-silica alteration zone; medium-grey color
A 1cm-thick massive pyrite vein (+quartz); 30TCA
Carbonate-(silica) alteration zone associated with calcite micro-fractures
Pegmatite dyke/vein with sericite alteration (10TCA); including a pyrite stringers/veinlets at the downhole contact
Pervasive silica alteration (±carbonate; ±sericite) including few mineralized veins (+disseminated pyrite)
A 1cm-thick quartz-pyrite vein; 25TCA with carbonate alteration associated; 2-3% pyrite
Sericite/ankerite alteration zone associated with a quartz-carbonate veinlet (tr-1% pyrite)
Pyrite stringer; 25TCA
Quartz-pyrite vein (5cm-thick; 30TCA); 20% pyrite
Pervasive silica alteration zone; locally tr-1% disseminated pyrite
1% disseminated pyrite associated with a 1cm-thick quartz vein @ 354.41 - 354.42m; 70TCA
Silica alteration zone (moderate to strong)
A 2cm-thick quartz-chlorite vein; tr-1% disseminated pyrite associated along the edges
1-2% disseminated pyrite associated with a 1cm-thick quartz vein @ 365.16m; 70TCA
EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357475 N, NAD83	**AZIMUTH:**	90.00
HOLE NO:	CAR-28-2009	**EASTING:**	450770 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	368m
START DATE:	January 18th 2010			**CORE SIZE:**	NQ
FINISH DATE:	January 21th 2010				

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Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																	
					Cu %	Zn %	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427542	49.50	50.00	0.50		E427542	0.00	0	0	0	0												
E427543	50.00	50.60	0.60		E427543	0.01	0	0	0	0.01												
E427544	50.60	51.15	0.55		E427544	0.01	0	0	0	0.01												
E427545	157.70	158.50	0.80		E427545	0.01	0	0	0	0.01												
E427546	158.50	159.10	0.60		E427546	0.03	0	0	0	0.03												
E427547	159.10	159.75	0.65		E427547	0.01	0	0	0	0.01												
E427548	205.00	205.75	0.75		E427548	0.01	0	0	0	0.01												
E427549	205.75	205.75	0.00	BLK																		
E427550	205.75	205.75	0.00	STD																		
E429808	205.75	206.60	0.85		E429808	0.15	0	0	0	0.15												
E429809	223.15	223.65	0.50		E429809	0.02	0	0	0	0.02												
E429810	229.60	230.45	0.85		E429810	0.07	0	0	0	0.07												
E429811	230.45	231.25	0.80		E429811	0.01	0	0	0	0.01												
E429812	231.25	232.00	0.75		E429812	0.03	0	0	0	0.03												
E429813	258.50	259.15	0.65		E429813	0.01	0	0	0	0.01												
E429814	259.15	260.00	0.85		E429814	0.02	0	0	0	0.02												
E429815	260.00	260.90	0.90		E429815	0.01	0	0	0	0.01												
E429816	277.50	278.15	0.65		E429816	0.01	0	0	0	0.01												
E429817	278.15	279.15	1.00		E429817	0.02	0	0	0	0.02												
E429818	279.15	279.80	0.65		E429818	0.04	0	0	0	0.04												
E429819	291.00	291.60	0.60		E429819	0.16	0	0	0	0.16												
E429820	303.20	303.80	0.60		E429820	0.01	0	0	0	0.01												
E429821	307.70	308.35	0.65		E429821	0.03	0	0	0	0.03												
E429822	309.35	309.95	0.60		E429822	0.07	0	0	0	0.07												
E429823	326.50	327.35	0.85		E429823	0.03	0	0	0	0.03												
E429824	327.35	327.35	0.00	BLK																		
E429825	327.35	327.35	0.00	STD																		
E429826	327.35	328.15	0.80		E429826	0.02	0	0	0	0.02												
E429827	328.15	329.15	1.00		E429827	0.00	0	0	0	0												
E429828	334.15	334.75	0.60		E429828	0.04	0	0	0	0.04												
E429829	341.90	342.50	0.60		E429829	0.01	0	0	0	0.01												
E429830	346.65	347.45	0.80		E429830	0.10	0	0	0	0.1												
E429831	350.25	350.85	0.60		E429831	0.00	0	0	0	0												
E429832	350.85	351.45	0.60		E429832	5.10	0	0	0	5.1												
E429833	351.45	352.25	0.80		E429833	0.04	0	0	0	0.04												
E429834	352.25	352.80	0.55		E429834	0.00	0	0	0	0												
E429835	353.75	354.55	0.80		E429835	0.01	0	0	0	0.01												
E429836	362.10	363.00	0.90		E429836	0.06	0	0	0	0.06												
E429837	364.95	365.75	0.80		E429837	0.04	0	0	0	0.04												

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357577 N, NAD83	AZIMUTH:	90
HOLE NO:	CAR-29-2010	EASTING:	450801 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	293m
START DATE:	January 21st 20	Line 0+50S; Station 1+57W		CORE SIZE:	NQ
FINISH DATE:	January 23rd 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**19,00**	**19,00**	**OB**																	**Casing/Overburden**
19,00	**51,10**	**32,10**																		**Granite. Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.**
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				cm to pluri-cm xenoliths occur locally. Local magnetic mafic dykes (<1m-thick) cross-cut the granite
19,17	19,47																			Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
22,00	22,55																			Heavily broken core (weathering?)
23,65	24,60																			Heavily broken core (weathering?)
26,75	26,87																			Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
26,87	30,65																			Broken core (due to weathering?)
30,16	30,31																			Mafic dyke (diabase); black, aphanitic, magnetic; chlorite-rich. No mineralization associated
42,60	42,61																			A 1cm-thick quartz-calcite vein + silica-carbonate alteration zone associated; tr pyrite
51,10	**57,51**																			**QFP intrusion**
																				Porphyry intrusion; uphole contact at 5TCA. Downhole contact 25TCA; few calcite stringers/veinlets occur. Tr pyrite
57,51	**72,21**																			**Granite**
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				cm to pluri-cm xenoliths occur locally.
72,21	**73,43**																			**Lamprophyre dyke**
																				Black color; strongly magnetite; biotite/phlogopite; calcite; tr pyrite. Contact at 45TCA
73,43	**116,53**																			**Granite**
																				idem as previous granite unit; including few calcite stringers with carbonate alteration along their edges
87,44	87,50																			Quartz and calcite veins/veinlets associated with a carbonate-silica alteration zone (including 1-2% pyrite)
95,18	95,26																			Diabase dyke, magnetite
95,47	95,54																			Diabase dyke, magnetite
95,74	97,17																			Diabase dyke, magnetite
99,28	99,29																			Quartz vein (1cm-thick; 70TCA); carbonate alteration zone associated (light grey color); including tr-1% pyrite
108,25	110,15																			Carbonate alteration zone (light grey color)
111,55	115,45																			Weak carbonate alteration zone (light grey color)
112,67	112,70																			A 2cm-thick quartz vein (60TCA); + a dm-wide pyrite alteration zone associated (2% disseminated pyrite)
116,53	**131,81**																			**Altered granite**
																				Pervasive and penetrative hematite-calcite alteration (locally moderate to strong); pink-purple color
122,20	122,35																			Zone with 2-3% disseminated pyrite associated with a 0,5cm-thick quartz vein @ 122,26m; 80TCA
131,81	**218,55**																			**QFP intrusion**
																				Uphole contact at 90TCA. Medium greenish-grey color. Locally, calcite occurs as stringers and disseminated. Tr-2% disseminated pyrite also occurs locally.
135,20	135,20																			Very fine pyrite stringer
147,62	155,15																			Sericite alteration (?) giving the rock a light yellowish green color. 1-2% disseminated pyrite cross-cut by several pyrite-quartz veins (one per 1 or 2 met interval); downhole contact is gradational
147,83	148,16																			Zone with 10-15% pyrite as veins and stringers (45TCA) associated with small quartz-(calcite) veinlets
151,63	151,64																			Quartz-pyrite veinlet (0,5cm-thick; 30TCA); 5% pyrite
152,69	152,69																			Quartz-pyrite stringer; 20TCA; 5-10% pyrite
154,10	154,10																			Quartz-pyrite stringer; 3% pyrite
156,45	156,88																			Series of three pyrite stringers @ 156.45m; 156.73m and 156.88m; weak sericitization associated. ~27TCA
164,31	164,31																			Quartz-pyrite stringer; 3-5% pyrite; 30TCA
166,16	166,16																			Quartz-pyrite stringer; 3-5% pyrite; 30TCA
172,06	172,06																			Quartz-carbonate veinlet; 65TCA

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357577 N, NAD83	AZIMUTH:	90
HOLE NO:	CAR-29-2010	EASTING:	450801 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	293m
START DATE:	January 21st 20	Line 0+50S; Station 1+57W		CORE SIZE:	NQ
FINISH DATE:	January 23rd 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
175,30	175,75																			A network of thin quartz-pyrite stringers
184,45	186,10																			Moderate to strong sericite alteration zone; tr-1% disseminated pyrite
187,10	187,21																			A network of thin quartz-pyrite stringers
188,80	188,81																			A 1cm-thick pyrite veinlet; 25TCA
197,25	198,25																			Fault zone; broken core; in situ brecciation
202,74	202,74																			A 0,5cm-thick quartz-chlorite vein; 35TCA
205,00	210,46																			QFP intrusion; sericite alteration; light yellowish-green color
207,29	207,29																			Pyrite stringer; 25TCA
211,19	211,19																			Pyrite stringer; 30TCA
211,75	211,90																			Series of thin pyrite stringers; 25TCA
215,15	215,37																			Granite xenolith
215,40	215,85																			Down-dip quartz-pyrite vein (1cm-thick); 10-15% pyrite; tr-1% chalcopyrite
216,52	216,62																			Granite xenolith, partially digested
217,40	217,65																			Series of thin pyrite stringers; 15TCA
218,32	218,32																			Pyrite stringer + bleached edges
218,55	**227,50**																			**Granite**
																				Idem as previous granite unit
218,75	219,10																			Series of thin pyrite stringers with silica alteration limited to their edges; (35 to 45TCA)
222,63	222,63																			A thin pyrite stringer; 25TCA
223,75	226,05																			Pervasive and strong silica-(pyrite) alteration zone associated with a series of down-dip/low-angle pyrite-quartz stringers/veinlets; including 1-2% disseminated pyrite
227,45	227,50																			~10% pyrite and calcite at the contact zone between the granite and QFP intrusion; contact @ 15TCA
227,50	**246,93**																			**QFP intrusion**
																				Dark and medium grey color; several down-dip/low-angle quartz-pyrite veins/veinlets occur
230,18	230,19																			Pyrite-calcite-(quartz) veinlets; 30TCA
234,14	234,45																			A series of four pyrite-(±calcite; ±quartz) veinlets; 15TCA; 10% pyrite
235,72	235,95																			A 2cm-thick quartz-pyrite vein; 10TCA; 20% pyrite
246,93	**293,00**																			**Granite**
																				Idem as previous granite unit. Few calcite-(pyrite) stringers occur locally. Silica alteration zones occur almost pervasively (dark grey color)
255,66	255,70																			A 3cm-thick quartz vein + trace pyrite along the edges; 25TCA
257,95	257,97																			A 2cm-thick quartz vein + pyrite alteration associated (1% pyrite); 80TCA
269,16	270,84																			QFP dyke; dark grey; few thin pyrite stringers occur (30TCA)
272,43	273,00																			QFP dyke; light grey
273,85	275,25																			QFP dyke; including pyrite stringers (one at a 30cm interval); 20TCA; downhole contact 20TCA
276,37	277,21																			tr-1% disseminated pyrite
281,35	282,06																			Lamprophyre dyke; black color; magnetic; biotite-calcite; uphole contact @ 20TCA
282,61	282,68																			Lamprophyre dyke; 30TCA
283,70	284,00																			Broken core
292,50	292,50																			Calcite-chlorite-quartz veinlet; 70TCA
293,00	293,00																			EOH

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357577 N, NAD83	**AZIMUTH:**	90.00
HOLE NO:	CAR-29-2010	**EASTING:**	450801 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	293m
START DATE:	January 21st 201(			**CORE SIZE:**	NQ
FINISH DATE:	January 23rd 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429838	87.10	87.70	0.60		E429838	0.12	0	0	0	0.12												
E429839	99.00	99.50	0.50		E429839	0.06	0	0	0	0.06												
E429840	112.00	112.90	0.90		E429840	0.01	0	0	0	0.01												
E429841	122.00	122.50	0.50		E429841	0.05	0	0	0	0.05												
E429842	146.75	147.60	0.85		E429842	0.03	0	0	0	0.03												
E429843	147.60	148.25	0.65		E429843	17.28	0	0	0	17.28												
E429844	148.25	149.00	0.75		E429844	0.04	0	0	0	0.04												
E429845	149.00	150.00	1.00		E429845	0.04	0	0	0	0.04												
E429846	150.00	151.00	1.00		E429846	0.01	0	0	0	0.01												
E429847	151.00	151.75	0.75		E429847	0.30	0	0	0	0.3												
E429848	151.75	152.60	0.85		E429848	0.01	0	0	0	0.01												
E429849	152.60	152.60	0.00	BLK																		
E429850	152.60	152.60	0.00	STD-H																		
E429851	152.60	153.15	0.55		E429851	0.13	0	0	0	0.13												
E429852	153.15	154.00	0.85		E429852	0.01	0	0	0	0.01												
E429853	154.00	154.80	0.80		E429853	0.02	0	0	0	0.02												
E429854	156.10	157.00	0.90		E429854	0.04	0	0	0	0.04												
E429855	164.00	164.50	0.50		E429855	0.02	0	0	0	0.02												
E429856	165.75	166.40	0.65		E429856	0.02	0	0	0	0.02												
E429857	175.15	175.85	0.70		E429857	0.03	0	0	0	0.03												
E429858	187.00	187.50	0.50		E429858	0.28	0	0	0	0.28												
E429859	187.50	188.50	1.00		E429859	0.01	0	0	0	0.01												
E429860	188.50	189.10	0.60		E429860	0.02	0	0	0	0.02												
E429861	189.10	189.80	0.70		E429861	0.01	0	0	0	0.01												
E429862	207.00	207.65	0.65		E429862	0.01	0	0	0	0.01												
E429863	211.10	212.00	0.90		E429863	0.11	0	0	0	0.11												
E429864	214.15	215.15	1.00		E429864	0.01	0	0	0	0.01												
E429865	215.15	216.00	0.85		E429865	0.44	0	0	0	0.44												
E429866	216.00	216.65	0.65		E429866	0.00	0	0	0	0												
E429867	216.65	217.65	1.00		E429867	0.03	0	0	0	0.03												
E429868	217.65	218.55	0.90		E429868	0.12	0	0	0	0.12												
E429869	218.55	219.40	0.85		E429869	0.03	0	0	0	0.03												
E429870	223.75	224.30	0.55		E429870	0.48	0	0	0	0.48												
E429871	224.30	225.30	1.00		E429871	2.12	0	0	0	2.12												
E429872	225.30	226.15	0.85		E429872	0.96	0	0	0	0.96												

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357577 N, NAD83	**AZIMUTH:**	90.00
HOLE NO:	CAR-29-2010	**EASTING:**	450801 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	293m
START DATE:	January 21st 201(			**CORE SIZE:**	NQ
FINISH DATE:	January 23rd 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429873	226.15	227.00	0.85		E429873	0.01	0	0	0	0.01												
E429874	227.00	227.00	0.00	BLK																		
E429875	227.00	227.00	0.00	STD-L																		
E429876	227.00	227.50	0.50		E429876	0.88	0	0	0	0.88												
E429877	227.50	228.40	0.90		E429877	1.00	0	0	0	1												
E429878	228.40	229.00	0.60		E429878	0.01	0	0	0	0.01												
E429879	229.00	229.70	0.70		E429879	0.17	0	0	0	0.17												
E429880	229.70	230.25	0.55		E429880	2.33	0	0	0	2.33												
E429881	230.25	231.00	0.75		E429881	0.01	0	0	0	0.01												
E429882	234.00	234.60	0.60		E429882	3.57	0	0	0	3.57												
E429883	234.60	235.60	1.00		E429883	0.03	0	0	0	0.03												
E429884	235.60	236.15	0.55		E429884	6.05	0	0	0	6.05												
E429885	236.15	237.00	0.85		E429885	0.01	0	0	0	0.01												
E429886	237.00	237.90	0.90		E429886	0.01	0	0	0	0.01												
E429887	237.90	239.00	1.10		E429887	0.02	0	0	0	0.02												
E429888	255.40	256.00	0.60		E429888	0.56	0	0	0	0.56												
E429889	257.15	258.15	1.00		E429889	0.03	0	0	0	0.03												
E429890	270.10	270.60	0.50		E429890	0.01	0	0	0	0.01												
E429891	274.00	275.00	1.00		E429891	0.01	0	0	0	0.01												
E429892	275.00	276.35	1.35		E429892	0.01	0	0	0	0.01												
E429893	276.35	277.30	0.95		E429893	2.31	0	0	0	2.31												
E427687	231.00	232.00	1.00		E427687	0.00	0	0	0	0												
E427688	232.00	233.00	1.00		E427688	0.01	0	0	0	0.01												
E427689	233.00	234.00	1.00		E427689	0.01	0	0	0	0.01												
E427690	277.30	278.00	0.70		E427690	0.00	0	0	0	0												
E427691	278.00	279.00	1.00		E427691	0.00	0	0	0	0												
E427692	279.00	280.00	1.00		E427692	0.00	0	0	0	0												

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357641 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-30-2010	EASTING:	450738 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	122m
START DATE:	January 23rd 20	Line 0+11N; Station 2+25W		CORE SIZE:	NQ
FINISH DATE:	January 25th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
0,00	22,80	22,80	OB																
22,80	122,00	99,20																	

COMMENTS

Casing/Overburden; casing at 27m

Granite. Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.

Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).

cm to pluri-cm xenoliths occur locally.

From	To	COMMENTS
22,80	23,75	Weathered; broken core
22,80	41,60	Zone of partially broken core
36,84	36,85	Open-space fracture partially filled with quartz and chlorite
48,97	49,17	Carbonate alteration zone (light grey color); including a chlorite-calcite-pyrite stringer (1% pyrite); 50TCA
56,50	56,88	Silica alteration zone; dark grey color; tr pyrite
57,84	58,02	Silica alteration zone; dark grey color; tr pyrite
58,58	58,70	Silica alteration zone; dark grey color; tr-1% pyrite
61,15	61,50	Partially broken core
66,75	67,00	Silica alteration zone; including thin pyrite stringers (1-2% pyrite); 60TCA
68,00	74,30	Zone with partially broken core (weathering?); geothite is associated in some fractures
77,58	78,12	Silica alteration zone (dark grey color); tr pyrite and calcite veinlets
82,85	83,80	Silica alteration zone; 1% disseminated pyrite
92,00	92,16	Silica alteration zone including calcite-pyrite stringers; 55TCA; 5% pyrite
92,78	92,85	Silica alteration zone including calcite-pyrite stringers; 60TCA; 2% pyrite
94,85	95,08	Silica alteration zone including calcite-pyrite stringers; 65TCA; 3-4% pyrite
97,17	97,65	Thick quartz-chlorite-Kspar vein (or pegmatite?)
97,77	97,80	A 3cm-thick quartz-chlorite vein; 60TCA
106,42	106,42	Fine pyrite stringer; 60TCA
107,84	108,65	Silica alteration zone associated with down-dip calcite veinlets; tr pyrite
116,70	118,61	Down-dip epidote-calcite veinlet
121,28	121,39	Series of calcite veinlets; 55TCA
122,00	122,00	EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357641 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-30-2010	**EASTING:**	450738 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	122m
START DATE:	January 23rd 2010			**CORE SIZE:**	NQ
FINISH DATE:	January 25th 2010				

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Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results													
					SAMPLE_N	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429894	48.70	49.40	0.70		E429894	0.01	0	0	0	0.01												
E429895	66.70	67.20	0.50		E429895	0.15	0	0	0	0.15												
E429896	82.50	83.25	0.75		E429896	0.01	0	0	0	0.01												
E429897	83.25	83.80	0.55		E429897	0.01	0	0	0	0.01												
E429898	92.00	92.50	0.50		E429898	0.11	0	0	0	0.11												
E429899	92.50	92.50	0.00	BLK																		
E429900	92.50	92.50	0.00	STD-H																		
E429901	92.50	93.15	0.65		E429901	0.03	0	0	0	0.03												
E429902	94.80	95.35	0.55		E429902	0.12	0	0	0	0.12												
E429903	95.35	96.00	0.65		E429903	0.01	0	0	0	0.01												
E429904	96.00	97.00	1.00	Shoulder	E429904	0.13	0	0	0	0.13												
E429905	97.00	98.00	1.00		E429905	0.01	0	0	0	0.01												

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357867 N, NAD83	AZIMUTH:	120
HOLE NO:	CAR-31-2010	EASTING:	450864 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	374m
START DATE:	January 25th 20	Line 2+40N; Station 0+85W		CORE SIZE:	NQ
FINISH DATE:	January 29th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**2,00**	**2,00**	**OB**																	**Casing/Overburden**
2,00	**113,42**	**111,42**																		**Granite. Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.**
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				cm to pluri-cm xenoliths occur locally. Calcite-geothite veinlets/fractures in the first ~35m (weathering)
2,00	9,63																			Carbonate alteration zone (light grey color); ~5% calcite
6,37	6,38																			Quartz vein; 30TCA; no mineralization associated
24,90	25,28																			Silica alteration zone (dark grey color); tr pyrite
37,47	37,80																			Carbonate-silica alteration zone (dark grey color); including calcite micro-veins
43,25	43,60																			Silica alteration zone; including a 2mm-thick quartz-calcite veinlets; 20TCA; tr pyrite
48,67	48,68																			A 1cm-thick calcite vein; 75TCA
50,44	56,30																			Strong and pervasive silica alteration zone + sericitized plagioclase (?); tr pyrite and leucoxene(?). Gradational contacts
58,03	58,36																			Low-angle quartz-chlorite vein; 3cm-thick; 20TCA
58,76	58,98																			Quartz-chlorite vein; 6cm-thick; 25TCA
59,13	59,16																			A 2cm-thick quartz-chlorite vein; 60TCA
68,00	68,02																			Quartz-chlorite vein; 1cm-thick; 60TCA
69,70	70,65																			Strong silica alteration zone including low-angle calcite-chlorite veinlets; 15TCA
79,26	79,28																			Epidote vein (1cm-thick; 20TCA)
85,13	85,45																			Carbonate alteration zone (+Ank?); including a calcite veinlet (20TCA); presence of leucoxene suggests leaching(?)
88,21	89,26																			Carbonate alteration zone (light grey color) including a 0.5cm-thick quartz-chlorite veinlet; 30TCA
89,65	90,63																			Weak carbonate alteration zone (light grey color)
94,54	95,14																			Carbonate alteration zone including two calcite-chlorite veinlets (0.5cm-thick; 15TCA)
98,62	102,56																			Silica-carbonate alteration zone (dark to medium grey color) associated with several calcite-chlorite veinlets (few mm-thick; at a 10 to 40cm interval; 50 to 60 TCA); locally tr pyrite
103,97	104,15																			A 2cm-thick epidote veinlet with geothite; 15TCA
110,15	111,10																			Series of calcite stringers with silica alteration zone along their edges; 15-20TCA; tr pyrite
113,42	**119,78**																			**Altered granite**
																				Calcite-hematite alteration; purple-ish red color; gradational contacts
119,78	**374,00**																			**Granite**
																				Idem as previous granite unit; calcite-geothite veinlets occur systematically at a pluri-m interval
129,93	129,94																			Pink calcite-quartz vein; 75TCA
137,79	137,80																			Quartz-calcite vein; 50TCA
142,00	142,22																			Down-dip pink calcite vein (<1cm-thick) + goethite
147,15	147,59																			Down-dip calcite vein (1cm-thick); chlorite alteration + tr chalcopyrite
159,14	159,35																			Series of calcite-geothite veinlets
163,00	163,64																			Series of microfractures filled with hematite-geothite
166,48	167,12																			Series of microfractures filled with geothite
169,81	170,11																			Silica-chlorite-geothite alteration zone
171,51	171,90																			Silica-carbonate alteration zone including a 0.5cm-thick chlorite-calcite veinlets; 15TCA
172,95	174,71																			Carbonate-(silica) alteration zone including chlorite veinlets
173,24	173,25																			Quartz-chlorite vein (1cm-thick); 50TCA
175,14	175,62																			Carbonate alteration zone
175,27	175,34																			Calcite-quartz-chlorite vein (6cm-thick; 35TCA)

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357867 N, NAD83	AZIMUTH:	120
HOLE NO:	CAR-31-2010	EASTING:	450864 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	374m
START DATE:	January 25th 20	Line 2+40N; Station 0+85W		CORE SIZE:	NQ
FINISH DATE:	January 29th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
177,00	177,95																			Carbonate-silica alteration zone
177,48	177,53																			Quartz-chlorite-calcite vein; 3cm-thick; 20TCA
181,00	183,33																			Pervasive carbonate alteration zone associated with quartz-chlorite-calcite veinlets
181,14	181,65																			Down-dip quartz-chlorite-calcite veinlet (1cm-thick)
182,46	182,59																			Quartz-chlorite-calcite vein; 11cm-thick; 30TCA
185,28	185,30																			A 1cm-thick quartz-calcite-chlorite vein; 25TCA
189,19	189,21																			A 1cm-thick quartz-calcite-chlorite vein; 50TCA
198,24	198,62																			Strong epidote alteration/veinlets
208,18	222,97																			Strong carbonate-silica alteration zone (medium to dark grey color); including calcite micro-veinlets/fractures; locally weakly magnetic; tr pyrite.
211,97	212,05																			Quartz-(chlorite) vein; 75TCA
212,15	212,78																			Chlorite-quartz (pinkish) vein/breccia; broken core
220,83	221,70																			A 0.5cm-thick chlorite-calcite-quartz vein (down-dip)
222,64	222,65																			A 1cm-thick quartz-calcite vein; 50TCA
224,80	226,09																			Silica-carbonate alteration zone
228,88	233,90																			Carbonate-(silica) alteration zone with calcite micro-fractures
229,98	230,00																			Quartz-chlorite vein (2cm-thick; 60TCA)
241,22	241,30																			A series of quartz-chlorite veinlets; tr pyrite
249,89	249,93																			Calcite-chlorite vein (3cm-thick); 45TCA
252,02	252,04																			A 2cm-thick quartz-(chlorite) vein; 30TCA
253,24	253,38																			Thick quartz vein, no alteration associated
256,12	256,50																			Silica alteration zone + leaching (presence of leucoxene)
273,72	273,73																			A 1cm-thick chlorite-calcite veinlets; 45TCA
279,16	285,73																			Pervasive and strong silica alteration zone giving the rock a dark grey color; gradational contacts including quartz veinlets and tr pyrite
281,25	281,55																			Quartz-calcite-chlorite vein (~10cm-thick); 20TCA
282,09	282,22																			A 1cm-thick quartz vein; 25TCA; tr pyrite
289,68	289,71																			A 2cm-thick quartz-chlorite-calcite vein; 40TCA
290,30	291,63																			Moderate carbonate alteration zone (light grey color)
302,97	303,22																			Weak silica alteration associated with a 0.5cm-thick quartz vein; 80TCA
314,03	314,04																			Calcite-chlorite vein (1cm-thick; 30TCA)
326,52	330,30																			Silica-(chlorite?) alteration zone (+ carbonate); dark greenish-grey color. Gradational contact
334,69	334,71																			Quartz-chlorite-calcite vein; 1cm-thick; 55TCA
336,37	336,65																			Quartz-(chlorite)-(calcite) vein; 6cm-thick; 20TCA
338,93	340,20																			Silica-carbonate alteration zone (grey color); including tr-1% pyrite
339,88	339,90																			A 1cm-thick pyrite-calcite vein; 30TCA; 5-7% pyrite
347,12	348,08																			Strong silica alteration zone
349,35	350,39																			Strong silica-carbonate alteration zone
353,00	353,39																			Strong silica-carbonate alteration zone
357,17	374,00																			Pervasive carbonate-chlorite alteration zone (greenish-grey color); including tr pyrite and chlorite-carbonate filled fractures/veinlets; locally sheared (at 25TCA); and/or doriote or quartz diorite?

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357867 N, NAD83	**AZIMUTH:**	120
HOLE NO:	CAR-31-2010	**EASTING:**	450864 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	374m
START DATE:	January 25th 20	**Line 2+40N; Station 0+85W**		**CORE SIZE:**	NQ
FINISH DATE:	January 29th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
372,66	372,68																		
374,00	374,00																		

COMMENTS
Quartz-calcite vein (2cm-thick; 65TCA)
EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357867 N, NAD83	**AZIMUTH:**	120.00
HOLE NO:	CAR-31-2010	**EASTING:**	450864 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	374m
START DATE:	January 25th 2010			**CORE SIZE:**	NQ
FINISH DATE:	January 29th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																
					SAMPLE_N	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429906	58.00	59.00	1.00		E429906	0.01	0	0	0	0.01											
E429907	147.00	147.65	0.65		E429907	0.01	0	0	0	0.01											
E429908	251.95	252.90	0.95		E429908	0.01	0	0	0	0.01											
E429909	252.90	253.50	0.60		E429909	0.01	0	0	0	0.01											
E429910	280.00	280.75	0.75		E429910	0.01	0	0	0	0.01											
E429911	280.75	281.65	0.90		E429911	0.01	0	0	0	0.01											
E429912	281.65	282.50	0.85		E429912	0.02	0	0	0	0.02											
E429913	282.50	283.25	0.75		E429913	0.01	0	0	0	0.01											
E429914	283.25	284.00	0.75		E429914	0.01	0	0	0	0.01											
E429915	336.25	336.75	0.50		E429915	0.01	0	0	0	0.01											
E429916	339.40	340.20	0.80		E429916	0.02	0	0	0	0.02											

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358560 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-32-2010	EASTING:	451832 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	500m
START DATE:	January 29th 20	Line 9+00E; Station 9+00N		CORE SIZE:	NQ
FINISH DATE:	February 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**6,00**	**6,00**	**OB**																	**Casing/Overburden**
6,00	**101,35**	**95,35**																		**Mafic volcanic rock**
																				Fine-grained; greyish-green color (due to chlorite). Cross-cut by several pegmatite/granitic dykes.
																				Not magnetic, locally pyrrhotite occurs (disseminated). Main fabric ~ 60 to 70TCA. Locally brecciated.
																				Calcite filled fracture (pillow margin?).
6,68	7,94																			Granite/pegmatite dyke; sericitized and weathered
8,17	8,29																			Granite/pegmatite dyke; 70TCA
8,81	9,03																			Pegmatite dyke (Kspar-rich); 55TCA
10,29	10,70																			Granite/pegmatite dyke; sericite-rich
11,22	11,97																			Granite dyke, strongly sericitized and weathered
14,42	14,63																			Partially broken core
34,00	34,12																			A 1cm-thick quartz vein (20TCA); including tr chalcopyrite-pyrrhotite-galena(?) and leucoxene along the edges
34,22	34,70																			Partially broken core
35,14	35,32																			Down-dip quartz vein (thickness?) including 1% pyrrhotite as large blebs; tr chalcopyrite
37,06	37,75																			Granite and pegmatite dyke; including ~5% garnet
46,06	46,12																			A 3cm-thick quartz-(plagio?) vein; including 2-3% pyrrhotite; tr chalcopyrite; 35TCA
53,54	53,55																			A 1cm-thick quartz vein; tr pyrrhotite; tr chalcopyrite; 20TCA
54,39	54,48																			Granite dyke/vein with strong sericitization
54,68	54,80																			Granite dyke/vein with strong sericitization; 35TCA
62,67	62,68																			Calcite veinlets including tr pyrrhotite; 80TCA
71,91	71,93																			Quartz vein (1cm-thick) including leucoxene along edges (leaching?); 25TCA
74,26	74,50																			A 0.5cm-thick quartz-(calcite) vein including tr-1% pyrite and tr chalcopyrite; 15TCA
74,58	74,85																			Magnetic bed (and/or iron formation xenolith?) including 1% pyrite as stringers/layers
75,00	93,00																			Tr-2% disseminated pyrite ± pyrrhotite (euhedral crystals) in mafic volcanic rock
81,25	81,25																			2% pyrrhotite; 2% pyrite disseminated
91,28	91,65																			Strong magnetic horizon (magnetite): digested xenolith of iron formation or interlayer?
94,85	101,35																			Gradational contact between mafic and intermediate volcanic rock unit
100,62	100,88																			Down-dip quartz vein with silica alteration associated; tr pyrite
101,35	**106,45**	**5,10**																		**Intermediate volcanic rock**
																				Volcanic or intrusive? Beige-grey color; tr-1% in filled fractures; fine-grained; most likely volcanic texture
106,45	**288,20**	**181,75**																		**Mafic volcanic rock**
																				idem as previous mafic volcanic rock unit
107,02	107,28																			A 1cm-thick down-dip quartz vein
116,68	116,88																			Quartz vein and/or chert horizon; 1% pyrite
117,00	117,70																			Magnetite-rich horizon; iron formation bed? Or xenolith. 2-3% pyrite as euhedral crystals
123,80	124,28																			Zone with >50% of digested iron formation xenoliths; magnetite-rich including 1-2% euhedral pyrite
126,38	127,35																			Zone with >50% of digested iron formation xenoliths; magnetite-rich including 1-2% euhedral pyrite
128,43	129,44																			Zone with >50% of digested iron formation xenoliths; magnetite-rich including 1-2% euhedral pyrite
140,75	140,77																			A 2cm-thick quartz vein; 30TCA
154,90	157,85																			Magnetic mafic volcanic rock (magnetite)
163,94	164,20																			Iron formation bed; magnetite-rich; 1% pyrite; bedding: 25TCA
164,61	164,75																			Iron formation bed; magnetite-rich; 1% pyrite; bedding: 40TCA

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358560 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-32-2010	**EASTING:**	451832 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	500m
START DATE:	January 29th 20	**Line 9+00E; Station 9+00N**		**CORE SIZE:**	NQ
FINISH DATE:	February 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
172,73	172,74		A 1cm-thick quartz vein; 60TCA; tr pyrite
179,05	179,28		A 1cm-thick quartz vein; down-dip
188,00	188,03		Quartz vein; 65TCA
189,92	191,00		Bleaching affects the mafic rock (greenish-yellow color)
191,00	193,15		A 2cm-thick quartz and chlorite vein; down-dip; including tr chalcopyrite and tr pyrite; ankerite/sericite pervasive alteration associated
193,15	202,50		Hematite alteration zone giving the rock a pinkish color (along fractures). The zone includes fine pyrite stringers and few quartz-chlorite veins (~1cm-thick; 25 to 40TCA)
211,15	217,40		Pervasive hematization giving the rock a pinkish color; tr-1% pyrite as coarse grains.
217,40	223,07		Mafic intrusion; fine-grained; contact @ 25TCA; including small granitic dykes
217,68	218,83		Felsic dyke
219,19	220,60		Felsic dyke including angular xenoliths of mafic intrusion
220,60	220,85		Mafic dyke, coarse-grained (+chloritoid? Or pyroxene?)
221,15	221,17		A 1.5cm-thick quartz-pyrite vein; 20TCA; 5-10% pyrite
221,73	221,76		Quartz vein a 3cm-thick quartz vein; 45TCA
221,98	222,14		Quartz-(chlorite) vein (12cm-thick; 50TCA)
222,36	222,48		Sericite alteration zone; including 1% disseminated pyrite (fine-grained)
235,04	235,07		A 2.5cm-thick quartz-carbonate vein; including 2-3% pyrite as large euhedral grains; 55TCA. Pyrite also occur along the edges
243,55	243,70		Zone with strong pyrite alteration; very fine-grained; disseminated py: ~10%. Ankerite(?) alteration associated
244,15	244,37		Zone with strong pyrite alteration; very fine-grained; disseminated py: ~10% to 20%).
244,37	244,70		Zone with strong pyrite alteration; coarse-grained; disseminated py: 5% to 10%).
244,83	245,00		A 4cm-thick quartz vein (15TCA); associated with finely disseminated pyrite as alteration (5%).
245,49	245,83		A 1.5cm-thick quartz vein (down-dip) associated with pyrite alteration zone (2-3% pyrite; medium- to coarse-grained)
257,10	257,23		A 10cm-thick Kspar dyke; 25TCA
259,71	259,78		A 1cm-thick dislocated quartz vein
259,89	260,98		Shear zone/fault zone; locally brecciated; chlorite-carbonate-rich
265,26	265,42		A 10cm-thick Kspar-rich dyke; 25TCA
267,53	268,65		Kspar-(quartz) dyke (or pegmatite?); including tr pyrite
268,65	268,83		Contact zone of the dyke (down-dip contact). Quartz-pyrite veins associated (0 to 20TCA; ~1cm-thick; 5% pyrite)
269,00	269,95		Down-dip Kspar-quartz dyke (thickness?); including several thin pyrite stringers (25TCA); 2-3% pyrite
271,07	271,62		A 10cm-thick Kspar-(quartz) dyke; 10TCA
271,62	271,78		A 2cm-thick quartz vein; 10TCA
275,00	282,00		Zone with a dense network of fractures; hematite alteration occur along the edges.
276,49	277,19		Down-dip Kspar-rich dyke/pegmatite
282,00	286,30		Alteration zone (or bleaching?) giving the rock a beige color; locally pyrite stringers are associated
283,07	283,07		Pyrite stringer (0.5cm-thick) cross-cut by a late quartz-carbonate vein (picture); 25 TCA
283,77	284,05		Series of Four pyrite stringers (~27TCA)
286,30	287,30		Pegmatite dyke (Kspar-rich); 20TCA
288,20	**294,35**	**6,15**	**Felsic volcanic rock(?)**
			Pinkish-beige color; Felsic volcanic rock, but some textures suggest sediments, but could be volcanic flows as well
			Locally pyrite occur as disseminated grains and stringers

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358560 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-32-2010	EASTING:	451832 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	500m
START DATE:	January 29th 20	Line 9+00E; Station 9+00N		CORE SIZE:	NQ
FINISH DATE:	February 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
294,35	**296,00**	**Fault Zone**
		Heavily broken core, presence of several quartz veins; locally silicified.
294,91	295,03	Quartz vein
295,22	295,26	Quartz vein; 30TCA
295,50	296,00	Quartz vein (thickness? Due to broken core)
296,00	**500,00**	**Mafic volcanic rock**
		idem as previous mafic volcanic rock unit; + calcite tension fractures; locally hematite alteration associated
296,00	296,16	Pegmatite dyke (Kspar-quartz-muscovite)
297,17	298,25	Breccia zone (associated to fault zone?); >50% matrix; composed of jasper clasts and calcite (sand-size clasts)
298,25	298,52	A 6cm-thick quartz-chlorite vein; 23TCA. Tr-1% pyrite associated at the contact with the breccia
298,90	299,15	Zone with 2-3% disseminated pyrite (replacement?)
299,78	300,77	Zone with a dislocated lamprophyre dyke; weakly magnetic; calcite-rich
305,20	309,50	Zone with hematite alteration associated with calcite tension fractures
309,50	312,00	Felsic unit; magnetic (due to disseminated magnetite); pinkish-grey color; 1-2% pyrite as coarse euhedral crystals and stringers
310,88	310,88	Pyrite stringer; 60TCA
311,00	311,34	Series of three pyrite stringers; 50TCA
311,49	311,50	a 1cm-thick quartz-pyrite veinlets; 40TCA; 20% pyrite
313,47	313,64	Series of pyrite-(quartz) veinlets; 10 to 20TCA; 5% pyrite associated with a strong leached zone along the edges
314,15	314,15	Calcite-pyrite veinlet; 5% pyrite; 65TCA
316,11	316,47	Series of quartz-calcite-pyrite veinlets/stringers; 40TCA; with bleached edges
316,80	316,80	Calcite-pyrite stringer; 50TCA; bleached edges
319,12	319,21	A 8cm-thick quartz vein + pyrite (1-2%) along the edges
332,43	332,79	Quartz-carbonate-chlorite vein (25cm-thick at least; 40TCA); including tr-1% pyrite near the downhole contact
332,87	332,89	A 2cm-thick quartz-pyrite vein; 40TCA; 5-10% pyrite
333,24	333,58	A serie of pyrite-(carbonate) veinlets (50TCA; veins at 5 to 10cm interval); 5% pyrite
333,84	333,85	A 1cm-thick pyrite-carbonate vein; 30TCA; 5-10% pyrite
339,31	339,56	Pegmatite dyke; quartz vein
343,02	343,05	Series of fine pyrite stringers + carbonate alteration associated
344,00	344,02	A 1cm-thick carbonate-pyrite vein; 50TCA; 5% pyrite
346,51	346,55	A 3cm-thick quartz vein; 35TCA
347,88	347,89	A 1cm-thick pyrite-carbonate vein; 10% pyrite; 50TCA
348,37	348,38	A 0.5cm-thick carbonate-(pyrite) veinlets; 2-3% pyrite; 40TCA
350,00	350,20	A series of very fine pyrite-(chlorite)-(carbonate) stringers; 1-2% pyrite; 55TCA
362,80	363,80	Magnetic zone (due to disseminated magnetite)
364,22	364,24	2-3% pyrite associated with a quartz veinlet
364,44	364,45	2-3% pyrite
365,29	365,34	Pegmatite dyke
365,53	365,59	Pegmatite dyke; 10TCA; 3cm-thick
366,56	366,63	A 4cm-thick quartz vein (25TCA); tr-1% pyrite associated
366,75	366,81	Pegmatite dyke

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358560 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-32-2010	EASTING:	451832 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	500m
START DATE:	January 29th 20	Line 9+00E; Station 9+00N		CORE SIZE:	NQ
FINISH DATE:	February 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
367,00	367,13	Pegmatite dyke
368,28	368,96	Granitic dyke (Kspar-rich)
369,46	369,48	A 2cm-thick quartz-pyrite vein; 45TCA; 2-3% pyrite
372,61	372,77	Quartz vein (12cm-thick)
372,93	373,03	A 4cm-thick quartz-chlorite vein; 30TCA
374,27	374,36	Zone with pyrite stringers associated with hematite alteration along micro-fractures
383,40	383,47	Quartz-chlorite vein; 3cm-thick; 15TCA
386,48	386,60	Series of quartz-pyrite vein (45TCA) with hematite alteration zone; 3-4% pyrite
386,60	386,89	A 1cm-thick, down-dip quartz vein
399,88	399,90	A 1cm-thick quartz vein; 20TCA
400,72	400,76	A 2cm-thick quartz vein; 15TCA
409,58	409,92	Granite dyke (with epidotized plagioclase)
413,53	413,54	Quartz veinlet; 25TCA
416,30	418,15	Zone with hematite alteration along micro-fractures
417,72	417,78	A 4cm-thick quartz vein; 25TCA
418,68	418,93	A 2cm-thick down-dip calcite-Kspar veins
424,80	424,95	Granite dyke (with epidotized plagioclase); 50TCA
436,35	436,41	A 6cm-thick quartz vein; 60TCA
441,75	442,00	Partially broken core due to micro-fractures (with hematite-goethite associated)
447,57	447,58	Quartz vein; 40TCA
450,06	450,12	A 4cm-thick quartz-calcite vein; 40TCA
450,65	450,67	A 2cm-thick pyrite-(calcite) vein; semi-massive pyrite; 35TCA
451,21	451,80	Mineralized zone; pyrite veinlets/stringers network (~35TCA); with ankerite alteration zone associated; 10-15% pyrite
452,00	452,04	A quartz-pyrite vein; 20TCA
452,23	453,00	Mineralized zone; pyrite veins/veinlets (few mm to 1.5cm-thick; ~70TCA); with ankerite alteration zone associated; 10-15% pyrite
455,24	455,36	Diorite dyke
459,73	459,74	A 1cm-thick quartz vein; 25TCA
469,00	477,65	The rock is magnetic due to local magnetite stringers and disseminated magnetite
469,86	470,66	Pegmatite dyke (Kspar-quartz)
470,83	471,14	Down-dip granite dyke (epidotized plagioclase)
471,85	472,44	Granite dyke (epidotized plagioclase)
470,66	476,28	Mafic intrusion (gabbro); weakly magnetic due to disseminated magnetite; medium-grained; green color; chloritic
476,28	476,75	Pegmatite dyke (Kspar-rich)
479,30	479,50	Zone with tr-1% pyrite disseminated
481,59	481,70	Small porphyric dykes (granitic composition)
483,62	483,78	Silicified zone; including a 1cm-thick quartz-(pyrite) vein; 15TCA; 1% pyrite
484,65	484,75	Silicified zone including 1% pyrite
491,00	496,00	Zone with presence of local magnetite stringers
491,85	494,88	Glaumeroporphyric basalt; 5% glaumeroporphyric
497,06	499,70	Glaumeroporphyric basalt; 5% glaumeroporphyric
497,42	497,44	Silicified zone; trace of leucoxene

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358560 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-32-2010	**EASTING:**	451832 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	500m
START DATE:	January 29th 20	**Line 9+00E; Station 9+00N**		**CORE SIZE:**	NQ
FINISH DATE:	February 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
499,22	499,45																		
500,00	500,00																		

COMMENTS
Pegmatite dyke
EOH

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358560 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-32-2010	**EASTING:**	451832 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	500m
START DATE:	January 29th 201(			**CORE SIZE:**	NQ
FINISH DATE:	Febrary 11th 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429917	33.60	34.30	0.70		E429917	0.02	0	0	0	0.02												
E429918	34.30	34.85	0.55		E429918	0.02	0	0	0	0.02												
E429919	34.85	35.40	0.55		E429919	0.01	0	0	0	0.01												
E429920	45.90	46.40	0.50		E429920	0.01	0	0	0	0.01												
E429921	74.20	74.90	0.70		E429921	0.02	0	0	0	0.02												
E429922	81.10	81.90	0.80		E429922	0.01	0	0	0	0.01												
E429923	100.00	100.55	0.55		E429923	0.04	0	0	0	0.04												
E429924	100.55	100.55	0.00	BLK																		
E429925	100.55	100.55	0.00	STD-L																		
E429926	100.55	101.35	0.80		E429926	0.02	0	0	0	0.02												
E429927	101.35	101.90	0.55		E429927	0.02	0	0	0	0.02												
E429928	116.65	117.30	0.65		E429928	0.02	0	0	0	0.02												
E429929	191.00	191.85	0.85		E429929	0.01	0	0	0	0.01												
E429930	191.85	192.50	0.65		E429930	0.01	0	0	0	0.01												
E429931	192.50	193.15	0.65		E429931	0.03	0	0	0	0.03												
E429932	193.15	194.00	0.85		E429932	0.01	0	0	0	0.01												
E429933	194.00	194.75	0.75		E429933	0.01	0	0	0	0.01												
E429934	194.75	195.50	0.75		E429934	0.01	0	0	0	0.01												
E429935	195.50	196.00	0.50		E429935	0.01	0	0	0	0.01												
E429936	221.00	221.60	0.60		E429936	0.01	0	0	0	0.01												
E429937	221.60	222.25	0.65		E429937	0.01	0	0	0	0.01												
E429938	222.25	223.00	0.75		E429938	0.01	0	0	0	0.01												
E429939	234.90	235.70	0.80		E429939	0.04	0	0	0	0.04												
E429940	243.45	244.00	0.55		E429940	0.01	0	0	0	0.01												
E429941	244.00	244.70	0.70		E429941	0.06	0	0	0	0.06												
E429942	244.70	245.30	0.60		E429942	0.14	0	0	0	0.14												
E429943	245.30	245.90	0.60		E429943	0.06	0	0	0	0.06												
E429944	259.55	260.15	0.60		E429944	0.01	0	0	0	0.01												
E429945	260.15	261.00	0.85		E429945	0.02	0	0	0	0.02												
E429946	268.30	269.00	0.70		E429946	0.02	0	0	0	0.02												
E429947	269.00	270.00	1.00		E429947	0.21	0	0	0	0.21												
E429948	281.00	282.00	1.00	Shoulder	E429948	0.01	0	0	0	0.01												
E429949	282.00	282.00	0.00	BLK																		
E429950	282.00	282.00	0.00	STD-H																		
E429951	282.00	282.75	0.75		E429951	0.01	0	0	0	0.01												

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358560 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-32-2010	**EASTING:**	451832 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	500m
START DATE:	January 29th 201(			**CORE SIZE:**	NQ
FINISH DATE:	Febrary 11th 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429952	282.75	283.50	0.75	Shoulder	E429952	0.72	0	0	0	0.72											
E429953	283.50	284.50	1.00		E429953	0.11	0	0	0	0.11											
E429954	284.50	285.25	0.75		E429954	0.01	0	0	0	0.01											
E429955	291.70	292.50	0.80		E429955	0.01	0	0	0	0.01											
E429956	292.50	293.50	1.00		E429956	0.01	0	0	0	0.01											
E429957	293.50	294.35	0.85		E429957	0.01	0	0	0	0.01											
E429958	294.35	295.15	0.80		E429958	0.87	0	0	0	0.87											
E429959	295.15	296.00	0.85		E429959	2.51	0	0	0	2.51											
E429960	296.00	297.00	1.00		E429960	0.03	0	0	0	0.03											
E429961	297.00	298.00	1.00		E429961	0.01	0	0	0	0.01											
E429962	298.00	298.75	0.75		E429962	0.03	0	0	0	0.03											
E429963	298.75	299.50	0.75		E429963	0.02	0	0	0	0.02											
E429964	299.50	300.25	0.75		E429964	0.01	0	0	0	0.01											
E429965	308.60	309.50	0.90		E429965	0.03	0	0	0	0.03											
E429966	309.50	310.20	0.70		E429966	0.00	0	0	0	0											
E429967	310.20	310.80	0.60		E429967	0.01	0	0	0	0.01											
E429968	310.80	311.60	0.80		E429968	0.46	0	0	0	0.46											
E429969	311.60	312.15	0.55		E429969	0.01	0	0	0	0.01											
E429970	312.15	313.35	1.20		E429970	0.00	0	0	0	0											
E429971	313.35	313.85	0.50		E429971	0.56	0	0	0	0.56											
E429972	313.85	314.60	0.75		E429972	0.07	0	0	0	0.07											
E429973	314.60	315.30	0.70		E429973	0.01	0	0	0	0.01											
E429974	315.30	315.30	0.00	BLK																	
E429975	315.30	315.30	0.00	STD-L																	
E429976	315.30	316.00	0.70		E429976	0.23	0	0	0	0.23											
E429977	316.00	317.00	1.00		E429977	0.27	0	0	0	0.27											
E429978	317.00	317.55	0.55		E429978	0.04	0	0	0	0.04											
E429979	332.30	333.15	0.85		E429979	0.45	0	0	0	0.45											
E429980	333.15	334.00	0.85		E429980	0.85	0	0	0	0.85											
E429981	342.90	343.70	0.80		E429981	0.43	0	0	0	0.43											
E429982	343.70	344.20	0.50		E429982	1.86	0	0	0	1.86											
E429983	346.35	347.20	0.85		E429983	0.01	0	0	0	0.01											
E429984	347.20	348.00	0.80		E429984	0.05	0	0	0	0.05											
E429985	348.00	348.80	0.80		E429985	0.01	0	0	0	0.01											
E429986	348.80	349.90	1.10		E429986	0.00	0	0	0	0											
E429987	349.90	350.40	0.50		E429987	0.01	0	0	0	0.01											

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SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358560 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-32-2010	**EASTING:**	451832 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	500m
START DATE:	January 29th 201(			**CORE SIZE:**	NQ
FINISH DATE:	Febrary 11th 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E429988	364.00	364.55	0.55		E429988	0.01	0	0	0	0.01												
E429989	364.55	366.00	1.45	Shoulder	E429989	0.01	0	0	0	0.01												
E429990	366.00	367.00	1.00		E429990	0.02	0	0	0	0.02												
E429991	369.40	370.20	0.80		E429991	0.07	0	0	0	0.07												
E429992	374.00	374.60	0.60		E429992	0.01	0	0	0	0.01												
E429993	386.35	387.00	0.65		E429993	0.04	0	0	0	0.04												
E429994	449.85	450.50	0.65		E429994	0.01	0	0	0	0.01												
E429995	450.50	451.20	0.70		E429995	3.41	0	0	0	3.41												
E429996	451.20	451.80	0.60		E429996	11.00	0	14.6	0	14.6												
E429997	451.80	452.40	0.60		E429997	2.53	0	0	0	2.53												
E429998	452.40	453.00	0.60		E429998	3.02	0	0	0	3.02												
E429999	453.00	453.00	0.00	BLK																		
E430000	453.00	453.00	0.00	STD-H																		
E427551	453.00	454.00	1.00	Shoulder	E427551	0.02	0	0	0	0.02												
E427552	483.40	484.00	0.60		E427552	0.02	0	0	0	0.02												
E427553	484.00	484.85	0.85		E427553	0.01	0	0	0	0.01												

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	731m
START DATE:	February 11th 20	**Line 9+15E; Station 8+37N**		**CORE SIZE:**	NQ
FINISH DATE:	February 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
0,00	**5,50**	**Casing/Overburden**
5,50	**610,95**	**Mafic volcanic rock**
		Fine-grained; greyish-green color (due to chlorite). Several volcanic textures, including breccia flow
		Locally magnetic (due to magnetite) especially after 400m
5,96	6,57	Granitic dyke (including mafic rock xenoliths); plagioclase are partially epidotized
8,10	8,30	A 5cm-thick quartz-(ankerite) vein; 20TCA; tr pyrite and leucoxene along the edges
9,03	9,04	A 0.5cm-thick quartz vein; 20TCA; including tr-1% pyrite; leucoxene along the edges
9,41	9,72	Granite dyke (plagioclase partially epidotized)
10,05	10,34	Granite dyke (plagioclase partially epidotized)
10,64	10,78	Granite dyke (plagioclase partially epidotized)
10,93	11,05	Granite dyke (plagioclase partially epidotized) including a 0.5cm-thick down-dip quartz veinlet; tr pyrite
12,55	12,56	A 1cm-thick quartz vein (30TCA); tr pyrite; tr leucoxene along the edges
12,65	12,93	Granite dyke (plagioclase partially epidotized)
13,00	13,22	A 2.5cm-thick quartz vein; 20TCA; tr pyrite
13,64	14,00	A 1cm-thick quartz vein; 15TCA; 1% pyrite, leucoxene along the edges
14,73	14,96	A 2cm-thick quartz vein; 20TCA; tr pyrrhotite; leucoxene along the edges
15,45	15,46	A 1cm-thick quartz vein; 30TCA; tr pyrite; leucoxene along the edges
15,65	16,56	Shear zone (60TCA); including several calcite veinlets (locally quartz) at 60TCA (parallel to shear)
18,63	18,75	Zone with 1-2% disseminated pyrite
19,19	19,42	A 1 cm-thick quartz vein; 10TCA; 1% pyrrhotite; leucoxene along the edges; tr pyrite
20,50	20,73	A 2cm-thick quartz vein; 10TCA
20,86	21,00	A 3cm-thick; dislocated quartz vein (10TCA); 1-2% pyrite; 1% pyrrhotite associated
21,29	21,31	Calcite-pyrite vein; 2% pyrite; 55TCA
21,90	24,25	Zone with granitic injections in the mafic volcanic (10%)
24,53	24,68	Iron formation bed/xenolith with 1-2% pyrite as layers/stringers
25,40	26,19	Iron formation; chlorite-rich; ±magnetite; 1-2% pyrrhotite; tr pyrite
26,68	26,92	Iron formation; chlorite-rich; ±magnetite; 1-2% pyrrhotite; 1% pyrite
27,00	27,30	Partially broken core
29,90	29,91	A 1cm-thick quartz vein; 20TCA
36,08	36,16	Granite dyke (plagioclase partially epidotized)
38,40	38,56	Pervasive epidote alteration zone including garnet(?) or large leucoxene crystals. Sharp edges (could be a vein?)
45,84	45,97	Pegmatite dyke
46,17	46,40	Pegmatite dyke
51,53	51,55	A 2cm-thick quartz vein; 30TCA
52,55	53,18	Mafic intrusion; chlorite-rich (black to dark green color); tr-1% disseminated pyrite
53,60	56,22	Mafic intrusion; chlorite-rich (black to dark green color); 3-4% disseminated pyrite
58,24	58,33	A 6cm-thick calcite vein (pinkish); 30TCA
64,76	65,03	A 1cm-thick calcite vein; 10TCA
73,72	81,47	Strongly magnetic; rounded clasts of magnetic unit (>50% of the rock) or dislocated magnetic dyke; Dark green color; locally 1-2% pyrite
90,79	90,80	A 0.5cm-thick pyrite-(qtz) veinlet; 25TCA
90,83	91,07	Pegmatite dislocated dyke
100,87	101,05	A 1cm-thick quartz vein; 15TCA

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	731m
START DATE:	February 11th 20	**Line 9+15E; Station 8+37N**		**CORE SIZE:**	NQ
FINISH DATE:	February 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
106,30	107,00																		
110,18	110,95																		
111,60	112,00																		
112,12	112,90																		
117,40	117,72																		
139,89	139,90																		
142,24	142,37																		
163,81	163,83																		
164,33	164,65																		
173,70	174,33																		
175,94	175,95																		
180,20	181,35																		
189,24	192,20																		
193,29	193,35																		
193,72	194,60																		
196,29	196,58																		
209,95	209,96																		
210,21	210,22																		
211,27	211,29																		
211,45	211,47																		
211,82	212,68																		
217,14	218,77																		
219,28	219,70																		
221,40	222,15																		
228,60	229,40																		
229,40	229,50																		
235,99	236,06																		
243,44	243,46																		
244,35	244,44																		
245,60	245,72																		
246,85	247,42																		
250,50	250,85																		
252,84	252,92																		
253,45	253,80																		
254,88	255,00																		
260,21	260,25																		
261,04	261,07																		
261,12	261,20																		
266,17	267,04																		
267,15	268,04																		

COMMENTS
Partially broken core
Partially broken core
Partially broken core
Zone with pegmatite injections/dislocated dyke
Zone with ~5% garnet; 1% disseminated pyrite
A 1cm-thick quartz-calcite veinlet; 25TCA
Late *in situ* breccia (jigsaw-like) with calcite cement
A 2cm-thick quartz-carbonate vein; 35TCA
1-2% disseminated pyrite associated with a 0.5cm-thick quartz veinlet (down-dip)
Partially bleached zone; giving the rock a beige and green color
A 1cm-thick quartz-calcite vein; 70TCA
Zone with 1% disseminated pyrite as coarse euhedral crystals; no vein or alteration associated
Zone partially altered into hematite (pinkish color): ~5% of the rock
Massive chlorite vein (±quartz and ±carbonate); 40TCA
Series of down-dip quartz-chlorite-(carbonate) veinlets (<1cm-thick)
Down-dip quartz vein (<1cm-thick)
A 1cm-thick quartz vein (25TCA); with 1-2% pyrite zone associated (coarse euhedral grains)
A 1cm-thick quartz vein (25TCA); with 1% pyrite zone associated (fine-grained)
A 1cm-thick quartz vein (30TCA); with 1-2% pyrite zone associated (coarse euhedral grains)
A 1cm-thick quartz vein; 35TCA
A 3cm-thick quartz-chlorite vein; down-dip
Pegmatite/granite dyke (Kspar-rich)
Partially broken core
Partially broken core
Mafic dyke with pyroxene porphyry; 55TCA (main fabric defined by orientation of porphyry)
Epidote alteration at the dyke contact; 1% pyrite
Series of quartz veinlets + pyrite stringers; 50TCA; 2-3% pyrite
A 1cm-thick quartz-calcite vein (25TCA); hematite alteration along edges; tr-1% pyrite associated
Down-dip and dislocated quartz-Kspar vein/pegmatite dyke(?)
Heavily broken core + mud
Pyrite-ankerite partially alteration; 2-3% pyrite (euhedral grains); partially broken core
Partially broken core
Quartz-carbonate vein (5cm-thick; 35TCA)
Broken core
Kspar-rich vein/dyke
Granitic dyke (4cm-thick)
Granitic dyke (3cm-thick)
Granitic dyke (5cm-thick)
Granitic dyke, pervasive hematite/geothite alteration associated
Partially broken core; geothite along fractures

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	731m
START DATE:	February 11th 20	**Line 9+15E; Station 8+37N**		**CORE SIZE:**	NQ
FINISH DATE:	February 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
278,78	278,94																			Pegmatite dislocated dyke
278,94	280,79																			Pervasive epidote-Kspar alteration zone and/or intrusion/vein; including local magnetite
282,70	282,92																			A 1cm-thick quartz-chlorite vein; 15TCA
289,52	289,67																			A 1cm-thick quartz vein (25TCA); a pervasive silica alteration zone associated
292,07	292,19																			Series of five calcite veinlets associated to a shear zone; veins are parallel to shear; 60TCA
300,25	300,66																			A 1cm-thick quartz vein (10TCA); + silica-ankerite alteration associated
306,15	307,55																			Hematite alteration along a fracture network (<5%) including tr pyrite as euhedral grains
307,55	307,82																			A 25cm-thick quartz vein in a shear zone (60TCA)
308,96	309,33																			Quartz-Kspar pegmatite vein; 15TCA
312,02	312,09																			*in situ* breccia, magnetite in the matrix
314,25	326,45																			Series of dislocated and down-dip pegmatite/granite small dykes (one per meter)
331,34	331,39																			A 5cm-thick quartz-chlorite-(garnet) vein; 80TCA
334,24	335,65																			Mafic dyke; magnetic; fine-grained; ~5% plagioclase porphyry
335,65	335,74																			Breccia vein (calcite) at the downhole contact of the dyke
336,12	336,71																			Granite dyke/pegmatite
337,08	341,71																			Mafic dyke; fine-grained
340,81	340,91																			Pegmatite dyke
349,72	350,06																			Series of fine pyrite stringers; 25TCA
354,00	356,00																			Zone including fine pyrite stringers (1 or 2 per meter; 40TCA)
356,07	356,70																			Series of three pyrite-calcite-(quartz) vein (1 to 2cm-thick) within an ankerite-silica alteration zone (beige-brown color); 5-10% pyrite
357,00	357,62																			Series of pyrite stringers/veinlets (<1cm-thick; ~30TCA; at a 10cm interval); 10% pyrite
357,79	358,06																			Quartz-pyrite vein system; 15% pyrite; ~45TCA
358,25	358,63																			Series of very fine pyrite stringers (<5% pyrite) at a 10 to 15 cm interval; 40TCA
361,16	361,56																			Series of quartz-chlorite vein (1 to 2cm-thick; at a 5 to 15cm interval; 60 to 70TCA)
363,47	363,48																			A 1cm-thick pyrite-calcite-quartz vein; 50TCA; 5% pyrite
364,00	364,45																			A series of quartz-pyrite-calcite stringers at a 5 to 10cm interval; 50TCA; 3-4% pyrite
364,88	365,42																			A series of calcite-pyrite stringers (~50TCA) at a 5 to 15cm interval; 3-4% pyrite
366,13	366,37																			A pyrite stringers network (pyrite is partially altered into geothite); 5-7% pyrite
368,00	368,04																			Kspar-rich granite dyke/vein; 60TCA
368,71	368,84																			Kspar-rich granite dyke/vein; 60TCA
369,10	371,53																			Mafic dyke; magnetic
370,49	370,54																			Small pegmatite dyke
375,68	376,13																			Series of quartz-chlorite-calcite and chlorite veins (at a 10cm interval; 1-2 cm-thick; 25TCA and 90+25TCA)
382,62	382,72																			Heavily broken core
388,17	388,22																			Pegmatite vein/dyke; quartz-rich; 30TCA
388,41	388,48																			Down-dip and dislocated quartz vein
388,82	389,00																			Pegmatite-granite dyke; 20TCA
393,22	393,23																			A 1cm-thick quartz vein; 25TCA
401,78	402,32																			Zone including a series of fine calcite-pyrite stringers (at a 20 to 30cm interval; 60TCA); 1-2% pyrite
403,75	403,75																			Calcite-pyrite veinlets; 50TCA; 2% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	731m
START DATE:	February 11th 20	**Line 9+15E; Station 8+37N**		**CORE SIZE:**	NQ
FINISH DATE:	February 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
408,00	408,91																			Zone including a series of fine pyrite stringers with a carbonate alteration and/or bleaching associated; ~1% pyrite
408,91	409,26																			Quartz-pyrite vein system; 10-15% pyrite
409,26	409,85																			Zone including a series of fine pyrite stringers
421,78	429,60																			Mafic intrusion; medium- to fine-grained; locally magnetic
423,40	423,50																			Granite/diorite dyke
425,26	425,30																			Small pegmatite dyke
428,19	428,20																			A 0.5cm-thick pyrite-calcite veinlet; 30TCA
428,47	428,56																			Sericite alteration zone; tr pyrite
433,23	433,29																			A 5cm-thick quartz-chlorite vein; 55TCA
434,33	434,35																			Series of fine pyrite stringers; 50TCA; 1% pyrite
434,57	434,60																			A 2cm-thick quartz-chlorite vein; 55TCA
435,34	435,35																			A 1cm-thick quartz-chlorite vein; 70TCA
437,22	437,56																			A down-dip quartz-calcite-chlorite veinlet; tr-1% pyrite associated
438,60	438,68																			Pegmatite dyke; sericitized
442,26	442,60																			Series of pyrite stringers, at a ~5cm interval; 30TCA
445,31	445,75																			Granite dyke (+carbonate alteration)
448,53	449,06																			Series of calcite stringers (at a 5cm interval); ankerite alteration along the edges; tr pyrite
449,68	449,71																			A 0.5cm-thick quartz-carbonate veinlet (60TCA); including tr pyrite within a carbonate alteration zone along the edges
450,15	450,95																			Slightly shear zone (25TCA) including several calcite veinlets
450,55	450,70																			A 10cm-thick quartz vein
451,04	451,15																			Quartz vein
451,23	451,30																			Quartz vein; 50TCA
451,45	452,45																			A 1m-thick quartz vein
452,54	452,70																			Quartz-carbonate vein; 55TCA
463,55	464,33																			Partially broken core
470,13	470,15																			A 1cm-thick pyrite-calcite vein; 25TCA; 3-4% pyrite
472,20	472,42																			Down-dip and dislocated pegmatite dyke
473,65	474,03																			Partial epidote alteration zone
476,65	477,78																			Zone including a series of pyrite-calcite stringers/veinlets (at a 10cm interval; 25 to 55TCA); 2-3% pyrite
482,88	483,19																			Pegmatite dyke; 15TCA
493,32	493,68																			Dislocated pegmatite dyke (Kspar-rich); tr pyrite
495,92	495,95																			A 2cm-thick quartz vein (60TCA); sericite alteration associated
496,55	496,56																			A 1cm-thick quartz vein; 55TCA
497,40	498,12																			Quartz-carbonate vein network (1cm-thick; from 0TCA to 70TCA); bleaching associated
498,49	498,74																			Series of pyrite stringers (at a 5cm interval; 50TCA; 2-3% pyrite)
498,74	498,84																			A 1cm-thick pyrite-quartz vein; 25TCA; 5% pyrite
498,84	499,80																			A down-dip pyrite stringers
501,29	501,36																			A carbonate-pyrite vein (1cm-thick; 40TCA) cross-cut and dislocated by a 1cm-thick quartz vein (90 + 15TCA)
504,74	504,77																			A 2cm-thick pyrite-(carbonate)-(quartz) vein; 30TCA; semi-massive pyrite.
504,85	505,06																			Pegmatite/granite dyke, sericitized
508,30	509,44																			Carbonate alteration zone

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	731m
START DATE:	February 11th 20	**Line 9+15E; Station 8+37N**		**CORE SIZE:**	NQ
FINISH DATE:	February 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
508,78	508,79																			A 1cm-thick quartz-chlorite vein; 45TCA
509,29	509,35																			A 3cm-thick quartz vein + 1% pyrite along the edges
510,00	510,42																			Pegmatite dyke, sericitized, including few pyrite stringers; 40TCA
510,54	511,00																			Small pegmatite dyke; down-dip
511,00	511,75																			Series of small pyrite stringers (at a 5 to 20cm interval; 35TCA); hematite alteration along their edges
520,00	520,18																			Carbonate-sericite alteration(?) zone
523,30	523,70																			Partial hematite alteration zone associated with a down-dip quartz vein (1cm-thick) and calcite stringer network
524,70	532,00																			Magnetic rock; including local magnetite stringers
556,81	556,82																			1% pyrite as stringer; 40TCA
574,25	574,40																			Bleached zone; beige color
576,50	585,00																			Zone of dense calcite tension fractures (3-4%)
578,91	578,91																			Pyrite-calcite stringers; 55TCA
586,19	586,21																			Two quartz-pyrite veinlets; 60TCA
586,25	586,50																			1-2% disseminated pyrite (euhedral grains)
587,98	588,57																			Down-dip quartz vein (1cm-thick)
592,22	592,35																			Pegmatite dyke; 50TCA
592,79	592,80																			Quartz veinlet; tr pyrite
601,36	601,39																			1% pyrite as fine dislocated stringers + weak hematite alteration
603,77	603,81																			1% pyrite as fine dislocated stringers + weak hematite alteration
607,35	607,36																			A 1cm-thick pyrite-calcite vein; 30TCA; strong hematite alteration along the edges (alteration zone is 4cm-wide)
607,77	607,78																			1-2% pyrite as stringers; hematite alteration associated
610,95	**611,72**	**0,77**																		**Lamprophyre dyke**
																				Calcite-biotite (or phlogopite?); weakly magnetic; contact at 20TCA. Contact metamorphism (hornfels) on both sides
611,72	**620,25**	**8,53**																		**Mafic volcanic rock**
																				Idem as previous mafic volcanic rock unit; except not magnetic
614,40	619,50																			Zone including few carbonate stringers (at a 50cm interval) with strongly altered edges (ankerite alt)
617,29	617,72																			A down-dip quartz vein + hematite alteration associated
618,96	618,97																			A 1cm-thick quartz vein (including 2% pyrite) + strong ankerite alteration along the edges
620,25	**623,97**	**3,72**																		**QFP intrusion**
																				Strongly sericitized; porphyric texture is hardly recognizable due to alteration, but locally eyes of quartz are still visible.
																				Tr-1% disseminated pyrite. Pyrite also occurs as stringers
622,40	623,18																			1-2% pyrite as fine stringers (~20TCA)
623,97	**652,98**	**29,01**																		**Mafic volcanic rock**
																				Locally magnetic; silicified or cooked (hornfels)
630,56	630,60																			A 4cm-thick quartz-(tourmaline?) vein (70TCA) with a 3cm-wide sericite/ankerite alteration zone on both sides
631,70	633,15																			Silicified zone + weak ankerite alteration giving the rock a brownish-beige color
632,15	632,25																			Zone with pyrite "digested clasts"; 5% pyrite
632,25	632,29																			A 2.5cm-thick quartz vein + tr-1% pyrite along the edges; 30TCA
639,10	641,18																			Zone with partial ankerite/sericite alteration limited to the edges of small fractures or veinlets (>50% of alteration)
639,40	640,53																			Mineralization zone; pyrite stringer network (main orientation is 35TCA); ~5% pyrite
641,00	641,53																			Zone of pyrite stringers (at a 10cm interval; 25TCA); 2-3% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	731m
START DATE:	February 11th 20	**Line 9+15E; Station 8+37N**		**CORE SIZE:**	NQ
FINISH DATE:	February 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
642,20	642,91	Zone of pyrite stringers (25TCA); with sericite alteration associated; 2-3% pyrite
643,65	645,80	Zone of pyrite stringers (at a 25cm interval; 25TCA); ~1% pyrite. No alteration associated except a weak hematization along the edges
645,48	645,50	A 1.5cm-thick quartz vein; 70TCA
647,84	647,85	A 1cm-thick quartz-pyrite vein; 70TCA; 2-3% pyrite; + hematite
652,40	652,98	Zone of pyrite stringers and quartz-pyrite veinlets at a 15cm interval; 30TCA; hematite alteration is associated along the edges
652,98	**667,75**	**QFP intrusion**
		Whitish-beige color; some quartz-(pyrite) veins occur locally
656,18	656,19	Quartz vein; 40TCA
656,31	656,34	Quartz vein; 40TCA; tr pyrite
661,13	661,18	Quartz vein; 25TCA
662,89	662,94	Quartz vein; 30TCA; 1% pyrite; tr VG?
665,22	665,24	Quartz vein; 45TCA; tr pyrite
665,69	666,19	Series of three quartz veinlets (at a 20cm interval; 35TCA)
667,75	**731,00**	**Mafic volcanic rock**
		Locally silicified (or cooked: i.e. Hornfels) and sericite alteration where pyrite mineralization occurs
671,63	671,70	Hematite alteration zone associated with a pyrite-(quartz) stringer; 30TCA; 2-3% pyrite
672,88	676,30	Zone partially altered into hematite associated with micro-fractures and carbonate veinlets. Tr pyrite as fine stringers
677,12	681,23	Zone of calcite tension fractures including tr Chalcopyrite; pyrite also occur as fine stringers; ankerite alteration along edges
679,60	679,63	A 2cm-thick pyrite-quartz vein; semi-massive pyrite; 50TCA
679,63	679,86	Series of pyrite stringers (dense network; ~ 40TCA); within a silica-ankerite alteration zone (beige color); 5% pyrite
683,05	683,52	Series of pyrite stringers with a strong carbonate-silica alteration associated
684,05	684,56	QFP dyke; tr pyrite
684,66	688,80	Pervasive silica-sericite-(ankerite) alteration zone; including local pyrite veinlets/stringers; light greenish-beige color
685,13	685,65	Mineralized zone; 5-10% pyrite as stringers and veins (~1cm-thick); 35TCA
686,87	686,93	Open-space fracture filled with quartz (crustiform-like and comb-like texture)
687,17	687,20	Open-space fracture filled with quartz (crustiform-like and comb-like texture); picture
687,70	687,79	Series of pyrite stringers (at a 1cm interval; 40TCA); 5% pyrite
688,00	690,30	Zone of partial hematite alteration along fractures; pyrite and calcite stringers
693,78	694,60	Pervasive sericite alteration zone including 2% pyrite as stringers and quartz-pyrite veinlets (40TCA)
701,00	702,35	Partially broken core with geothite-calcite along fractures
702,35	706,35	Mafic intrusion or coarse-grained lava (+olivine?); dark green. Calcite occurs as filled fractures + geothite (weathered); partially broken core
707,00	713,00	Zone of broken core; locally late breccia with calcite cement (weathering?)
708,45	708,46	A 1cm-thick quartz-pyrite vein; 40TCA; 5% pyrite
714,90	714,93	A 3cm-thick quartz vein; 40TCA
718,70	719,75	Late fracturing with geothite associated
725,62	725,63	A 0.5cm-thick quartz veinlet including 1% pyrite; 50TCA
731,00	731,00	EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	731m
START DATE:	February 11th 201(			**CORE SIZE:**	NQ
FINISH DATE:	February 21st 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427554	8.00	8.50	0.50		E427554	0.00	0	0	0	0												
E427555	8.50	9.30	0.80		E427555	0.00	0	0	0	0												
E427556	9.30	10.00	0.70		E427556	0.00	0	0	0	0												
E427557	10.00	10.85	0.85		E427557	0.00	0	0	0	0												
E427558	10.85	11.70	0.85		E427558	0.01	0	0	0	0.01												
E427559	11.70	12.45	0.75		E427559	0.00	0	0	0	0												
E427560	12.45	13.30	0.85		E427560	0.01	0	0	0	0.01												
E427561	13.30	14.00	0.70		E427561	0.00	0	0	0	0												
E427562	14.00	15.00	1.00		E427562	0.01	0	0	0	0.01												
E427563	15.00	15.60	0.60		E427563	0.00	0	0	0	0												
E427564	15.60	16.60	1.00		E427564	0.01	0	0	0	0.01												
E427565	16.60	17.30	0.70		E427565	0.01	0	0	0	0.01												
E427566	17.30	18.30	1.00		E427566	0.01	0	0	0	0.01												
E427567	18.30	19.00	0.70		E427567	0.01	0	0	0	0.01												
E427568	19.00	19.75	0.75		E427568	0.01	0	0	0	0.01												
E427569	19.75	20.50	0.75		E427569	0.01	0	0	0	0.01												
E427570	20.50	21.35	0.85		E427570	0.01	0	0	0	0.01												
E427571	54.60	55.30	0.70		E427571	0.01	0	0	0	0.01												
E427572	90.70	91.50	0.80		E427572	0.01	0	0	0	0.01												
E427573	164.20	164.85	0.65		E427573	0.03	0	0	0	0.03												
E427574	164.85	164.85	0.00	BLK																		
E427575	164.85	164.85	0.00	STD-L																		
E427576	209.80	210.40	0.60		E427576	0.03	0	0	0	0.03												
E427577	210.40	211.15	0.75		E427577	0.00	0	0	0	0												
E427578	211.15	211.70	0.55		E427578	0.00	0	0	0	0												
E427579	211.70	212.70	1.00		E427579	0.00	0	0	0	0												
E427580	235.85	236.35	0.50		E427580	0.05	0	0	0	0.05												
E427581	246.80	247.50	0.70		E427581	0.02	0	0	0	0.02												
E427582	279.70	280.50	0.80		E427582	0.00	0	0	0	0												
E427583	300.15	300.85	0.70		E427583	0.00	0	0	0	0												
E427584	306.70	307.30	0.60		E427584	0.00	0	0	0	0												
E427585	307.30	308.00	0.70		E427585	0.03	0	0	0	0.03												
E427586	349.40	350.10	0.70		E427586	0.26	0	0	0	0.26												
E427587	354.00	355.00	1.00		E427587	0.00	0	0	0	0												
E427588	355.00	356.00	1.00		E427588	0.04	0	0	0	0.04												

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	731m
START DATE:	February 11th 201(			**CORE SIZE:**	NQ
FINISH DATE:	February 21st 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427589	356.00	356.70	0.70		E427589	0.74	0	0	0	0.74												
E427590	356.70	357.30	0.60		E427590	0.17	0	0	0	0.17												
E427591	357.30	358.10	0.80		E427591	3.42	0	0	0	3.42												
E427592	358.10	358.70	0.60		E427592	0.11	0	0	0	0.11												
E427593	358.70	359.70	1.00		E427593	0.01	0	0	0	0.01												
E427594	359.70	361.00	1.30		E427594	0.00	0	0	0	0												
E427595	361.00	362.00	1.00		E427595	0.00	0	0	0	0												
E427596	362.00	363.20	1.20		E427596	0.00	0	0	0	0												
E427597	363.20	363.90	0.70		E427597	0.29	0	0	0	0.29												
E427598	363.90	364.50	0.60		E427598	0.13	0	0	0	0.13												
E427599	364.50	364.50	0.00	BLK																		
E427600	364.50	364.50	0.00	STD-H																		
E427601	364.50	365.30	0.80		E427601	0.35	0	0	0	0.35												
E427602	365.30	366.00	0.70		E427602	0.01	0	0	0	0.01												
E427603	366.00	366.50	0.50		E427603	0.60	0	0	0	0.6												
E427604	366.50	367.50	1.00		E427604	0.00	0	0	0	0												
E427605	401.70	402.40	0.70		E427605	0.00	0	0	0	0												
E427606	402.40	403.40	1.00		E427606	0.00	0	0	0	0												
E427607	403.40	404.00	0.60		E427607	0.03	0	0	0	0.03												
E427608	408.00	408.85	0.85		E427608	0.00	0	0	0	0												
E427609	408.85	409.35	0.50		E427609	3.73	0	0	0	3.73												
E427610	409.35	410.00	0.65		E427610	0.00	0	0	0	0												
E427611	427.95	428.60	0.65		E427611	0.00	0	0	0	0												
E427612	442.20	442.75	0.55		E427612	0.05	0	0	0	0.05												
E427613	448.50	449.20	0.70		E427613	0.00	0	0	0	0												
E427614	449.20	450.15	0.95		E427614	0.01	0	0	0	0.01												
E427615	450.15	450.95	0.80		E427615	0.00	0	0	0	0												
E427616	450.95	451.45	0.50		E427616	0.00	0	0	0	0												
E427617	451.45	452.45	1.00		E427617	0.00	0	0	0	0												
E427618	452.45	453.30	0.85		E427618	0.00	0	0	0	0												
E427619	469.75	470.35	0.60		E427619	0.64	0	0	0	0.64												
E427620	476.50	477.10	0.60		E427620	0.57	0	0	0	0.57												
E427621	477.10	477.90	0.80		E427621	1.34	0	0	0	1.34												
E427622	497.40	498.40	1.00		E427622	0.00	0	0	0	0												
E427623	498.40	499.00	0.60		E427623	1.78	0	0	0	1.78												
E427624	499.00	499.00	0.00	BLK																		

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	731m
START DATE:	February 11th 201			**CORE SIZE:**	NQ
FINISH DATE:	February 21st 201				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results														
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427625	499.00	499.00	0.00	STD-L															
E427626	499.00	500.00	1.00		E427626	0.05	0	0	0	0.05											
E427627	500.00	501.00	1.00		E427627	0.00	0	0	0	0											
E427628	501.00	501.70	0.70		E427628	0.10	0	0	0	0.1											
E427629	503.70	504.60	0.90		E427629	0.00	0	0	0	0											
E427630	504.60	505.10	0.50		E427630	2.93	0	0	0	2.93											
E427631	509.00	510.00	1.00		E427631	0.06	0	0	0	0.06											
E427632	510.00	511.00	1.00		E427632	0.04	0	0	0	0.04											
E427633	511.00	512.00	1.00		E427633	0.00	0	0	0	0											
E427634	578.65	579.15	0.50		E427634	2.96	0	0	0	2.96											
E427635	585.85	586.55	0.70		E427635	0.09	0	0	0	0.09											
E427636	607.15	607.85	0.70		E427636	0.02	0	0	0	0.02											
E427637	618.30	619.10	0.80		E427637	0.33	0	0	0	0.33											
E427638	621.50	622.30	0.80		E427638	0.00	0	0	0	0											
E427639	622.30	623.00	0.70		E427639	0.01	0	0	0	0.01											
E427640	623.00	623.97	0.97		E427640	0.00	0	0	0	0											
E427641	630.40	631.00	0.60		E427641	0.01	0	0	0	0.01											
E427642	631.00	632.00	1.00		E427642	0.00	0	0	0	0											
E427643	632.00	632.60	0.60		E427643	0.03	0	0	0	0.03											
E427644	632.60	633.20	0.60		E427644	0.00	0	0	0	0											
E427645	638.75	639.40	0.65		E427645	0.00	0	0	0	0											
E427646	639.40	640.00	0.60		E427646	1.51	0	0	0	1.51											
E427647	640.00	640.55	0.55		E427647	0.34	0	0	0	0.34											
E427648	640.55	641.45	0.90		E427648	0.01	0	0	0	0.01											
E427649	641.45	641.45	0.00	BLK																	
E427650	641.45	641.45	0.00	STD-H																	
E427651	641.45	642.20	0.75		E427651	0.04	0	0	0	0.04											
E427652	642.20	643.00	0.80		E427652	0.09	0	0	0	0.09											
E427653	643.00	644.00	1.00		E427653	0.00	0	0	0	0											
E427654	644.00	645.00	1.00		E427654	0.00	0	0	0	0											
E427655	645.00	645.85	0.85		E427655	0.00	0	0	0	0											
E427656	647.60	648.10	0.50		E427656	0.00	0	0	0	0											
E427657	652.40	652.98	0.58		E427657	0.01	0	0	0	0.01											
E427658	652.98	653.80	0.82		E427658	0.00	0	0	0	0											
E427659	656.00	656.55	0.55		E427659	0.00	0	0	0	0											
E427660	662.75	663.25	0.50		E427660	1.15	0	0	0	1.15											

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-33-2010	**EASTING:**	451850 E, NAD83	**INCLINATION:**	-60.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	731m
START DATE:	February 11th 201(			**CORE SIZE:**	NQ
FINISH DATE:	February 21st 201(				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results																
					SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427661	671.15	671.85	0.70		E427661	0.04	0	0	0	0.04											
E427662	672.85	673.70	0.85		E427662	0.04	0	0	0	0.04											
E427663	673.70	674.40	0.70		E427663	0.02	0	0	0	0.02											
E427664	674.40	675.15	0.75		E427664	0.00	0	0	0	0											
E427665	675.15	676.00	0.85		E427665	0.00	0	0	0	0											
E427666	676.00	676.80	0.80		E427666	0.00	0	0	0	0											
E427667	676.80	677.60	0.80		E427667	0.01	0	0	0	0.01											
E427668	677.60	678.60	1.00		E427668	0.01	0	0	0	0.01											
E427669	678.60	679.40	0.80		E427669	0.00	0	0	0	0											
E427670	679.40	680.00	0.60		E427670	2.46	0	0	0	2.46											
E427671	680.00	680.90	0.90		E427671	0.23	0	0	0	0.23											
E427672	680.90	681.90	1.00		E427672	0.01	0	0	0	0.01											
E427673	681.90	683.00	1.10		E427673	0.00	0	0	0	0											
E427674	683.00	683.00	0.00	BLK																	
E427675	683.00	683.00	0.00	STD-L																	
E427676	683.00	683.60	0.60		E427676	0.01	0	0	0	0.01											
E427677	683.60	685.00	1.40		E427677	0.01	0	0	0	0.01											
E427678	685.00	685.80	0.80		E427678	4.12	0	0	0	4.12											
E427679	685.80	686.60	0.80		E427679	0.01	0	0	0	0.01											
E427680	686.60	687.60	1.00		E427680	0.13	0	0	0	0.13											
E427681	687.60	688.10	0.50		E427681	0.10	0	0	0	0.1											
E427682	688.10	689.00	0.90		E427682	0.01	0	0	0	0.01											
E427683	689.00	690.00	1.00		E427683	0.02	0	0	0	0.02											
E427684	693.75	694.60	0.85		E427684	0.01	0	0	0	0.01											
E427685	694.60	695.10	0.50		E427685	0.00	0	0	0	0											
E427686	708.00	708.50	0.50		E427686	0.15	0	0	0	0.15											

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358577 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-34-2010	EASTING:	451752 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	518m
START DATE:	February 22nd 2(	Line 8+00E; Station 9+25		CORE SIZE:	NQ
FINISH DATE:	March 27th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
0,00	**16,35**	**16,35**	**Casing/Overburden**
16,35	**20,16**	**3,81**	**Granite**
			Partially epidotized plagioclase; local mafic volcanic xenoliths
20,16	**196,05**		**Mafic volcanic rock/diorite**
			Chloritic; green color; massive flow and flow breccia with granitic material between clasts near the contact with the granite
			Alternance with mafic intrusion (diorite); tr-1% disseminated pyrite; tr chalcopyrite-pyrrhotite
31,27	31,30		1% pyrrhotite; 1% chalcopyrite
49,45	50,20		Quartz-chlorite vein (grey smoked quartz); 40TCA
61,71	61,80		1% pyrrhotite
68,67	69,11		Down-dip granite dyke
77,55	78,06		Quartz-sericite-plagioclase pegmatite (or vein?)
78,06	78,75		Silicified zone + calcite tension fractures; tr pyrite
93,90	93,96		Massive sulphide clasts or dislocated horizons; pyrrhotite-pyrite; tr Chalcopyrite
96,10	96,15		Dislocated quartz-calcite vein (including tr chalcopyrite); pyrrhotite is associated along edges; 2-3% pyrrhotite
107,48	107,66		5% of finely disseminated pyrrhotite (digested clast of iron formation?)
108,08	108,09		1cm-thick quartz vein (grey smoked quartz)
108,45	108,80		A 1cm-thick down-dip quartz vein; 2-3% pyrrhotite; 1% chalcopyrite occurring along the edges
109,03	109,16		Silicified zone including tr-1% pyrite; tr-1% pyrrhotite
122,87	123,68		Series of pluri-cm partially digested clasts of iron formation(?) consist of very fine-grained disseminated pyrrhotite
125,96	126,17		Iron formation breccia: chlorite-chert + magnetite-rich clasts
130,15	130,33		Quartz vein or silicified zone; including tr pyrite; tr-1% pyrrhotite
143,17	143,26		Granitic dyke; quartz-rich (or silicification) + sericite alteration; 65TCA
143,81	143,84		Silicified zone or quartz vein; including 5% chalcopyrite; 1% pyrrhotite
145,10	145,43		Quartz-sericite vein; ~10cm-thick; 25TCA
145,85	147,10		Zone with greenish-blue minerals (fuschite?); 5%; associated along down-dip quartz vein (1cm-thick); tr-1% pyrrhotite-pyrite
148,42	148,78		Pegmatite dyke; silicified
152,43	152,46		Quartz-plagioclase pegmatite vein; 60TCA
152,46	153,78		Granite dyke including a 2cm-thick quartz-plagioclase down-dip vein (or pegmatite)
154,97	155,77		Iron formation bed; chlorite-chert (1 to 3 cm-thick) + layers of pyrite-pyrrhotite; 30TCA
156,15	157,00		Strongly silicified granite dyke
162,93	164,57		Strongly silicified granite dyke
163,22	163,40		A 1cm-thick quartz vein; 15TCA
166,02	166,05		Quartz vein including tr pyrite and 1% molybdenite
180,18	180,80		A 1cm-thick, down-dip quartz-(chlorite) vein
182,69	182,87		Iron formation bed; magnetite-rich; tr pyrite
190,12	196,05		Zone of ankerite/sericite alteration and partial alteration (beige color) associated with calcite tension fractures and quartz veinlets; tr pyrite
194,00	194,55		Mafic dyke with pyroxene coarse-grained (porphyry)
196,05	**203,00**	**6,95**	**Green-carbonate rock**
			Intrusive ultramafic? Presence of fuschite (10-15%); not magnetic
196,61	196,95		Ankerite-silica-sericite alteration zone or altered dyke cross-cut by a 1cm-thick quartz-carbonate vein; 30TCA
197,06	197,12		Ankerite-silica-sericite alteration zone or altered dyke
198,00	198,35		Pegmatite dyke

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358577 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-34-2010	**EASTING:**	451752 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	518m
START DATE:	February 22nd 2(	**Line 8+00E; Station 9+25**		**CORE SIZE:**	NQ
FINISH DATE:	March 27th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
201,77	202,01																			Diorite dyke; tr-1% disseminated pyrite; 60TCA + ankerite/sericite alteration
202,23	202,30																			Diorite dyke; fine-grained; tr pyrite; ankerite/sericite alteration. Main fabric: 30TCA
203,00	**397,15**	**194,15**																		**Mafic volcanic rock**
																				Medium-grained; medium- to dark-greenish-grey color. Hematite alteration zones are present (up to 20% of the rock) and are associated with late fractures and/or calcite veinlets; locally tr-1% disseminated pyrite; locally magnetic
203,00	205,10																			Hematite pervasive alteration zone giving the rock a pinkish color associated with micro-fractures and carbonate stringers
217,55	218,50																			Pegmatite/granite dyke with sericite alteration and/or muscovite-rich; sericite/ankerite alteration along the edges; tr pyrite
218,50	222,15																			Zone of partial hematite alteration along micro-fractures
221,44	221,48																			A 2cm-thick quartz-carbonate vein; 25TCA
228,40	230,45																			Zone of partial hematite alteration along micro-fractures
230,70	231,50																			Partially broken core (fault zone?)
231,50	231,64																			A 13cm-thick quartz vein with fuschite along edges (associated with a shear/fault zone)
231,64	232,00																			Shear zone (elongated or stretch minerlas); tr-1% fuschite
232,05	232,09																			A 3cm-thick quartz-carbonate vein; 1% fuschite associated; 75TCA
232,65	235,50																			Zone with pervasive hematite alteration (downhole contact is gradational); pinkish color; associated with microfractures
232,75	232,81																			Zone with 1-2% pyrite as coarse grains
234,56	234,65																			In situ breccia, carbonate-chlorite matrix/cement
236,92	237,04																			Sericite alteration zone associate with fine pyrite-(carbonate) stringers; 40TCA; 1-2% pyrite
237,70	238,25																			Partial sericite alteration zone; tr pyrite
238,56	238,56																			Pyrite stringer; 35TCA
238,70	238,85																			Sericite alteration zone associate with a series of pyrite-carbonate stringers; 20TCA and 50TCA; 2-3% pyrite
239,10	239,15																			Sericite alteration zone associate with one fine pyrite stringer; 45TCA
240,83	240,97																			Sericite alteration zone including 1% pyrite
242,55	242,57																			A 1.5cm-thick quartz-pyrite vein; 25TCA; 10% pyrite
242,65	242,91																			2-3% disseminated pyrite
244,00	246,00																			Partial hematization and weak silicification zone associated/along fractures
246,00	246,40																			Ankerite-hematite alteration associated with calcite-quartz stringers; 1% disseminated pyrite.
247,25	247,40																			Sericite/ankerite alteration zone including a series of fine pyrite stringers and a quartz-carbonate veinlet; 50TCA
247,46	247,47																			Quartz-calcite vein (1cm-thick)
247,50	247,52																			Pyrite-quartz vein (2cm-thick); sericite/ankerite alteration associated
248,78	251,42																			Partial sericite alteration zone along micro-fractures; tr pyrite
250,33	250,38																			A 4cm-thick quartz-pyrite vein; 15% pyrite; 40TCA
251,00	251,01																			A 0.5cm-thick massive pyrite vein; 35TCA
251,31	251,32																			A 0.5cm-thick massive pyrite vein; 75TCA
253,96	253,97																			A 1cm-thick calcite-quartz-pyrite veinlet; 2% pyrite; 30TCA
254,96	255,50																			Weak sericite alteration zone associated with fine pyrite stringers; 1-2% pyrite; 50TCA and 20TCA
256,90	257,15																			Weak sericite alteration zone associated with 1% disseminated pyrite 40TCA
257,55	271,57																			Partial hematite (and/or Kspar?) alteration giving the rock a pinkish color; including tr pyrite as fine stringers; locally sheared; locally magnetic
259,38	259,39																			Carbonate veinlet including 2-3% pyrite; 40TCA
260,94	260,94																			A fine pyrite stringer; 50TCA

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358577 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-34-2010	**EASTING:**	451752 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	518m
START DATE:	February 22nd 2(	**Line 8+00E; Station 9+25**		**CORE SIZE:**	NQ
FINISH DATE:	March 27th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation: Sulphide			Mineralisation: Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
261,55	261,68																			A thin dislocated quartz veinlet (down-dip) containing 1% pyrite with strong Kspar and/or hematite alteration associated
264,20	264,52																			Shear zone, locally brecciated; presence of quartz vein @ 264.34 - 264.38m; shear :25TCA
273,41	273,70																			Series of small pyrite-calcite stringers (~10); 5% pyrite; 60TCA. A weak sericite/ankerite alteration is associated
274,16	274,29																			Pegmatite (partially digested, xenolith?); Presence of pyrite stringers at the downhole contact
274,67	275,14																			Series of pyrite and quartz-pyrite stringers/veinlets (at a 2 to 5cm interval); 65TCA; 5% pyrite; a sericite/ankerite moderate alt is associated
277,00	280,75																			Zone of partial hematite alteration: pinkish color
279,38	279,56																			Granite/pegmatite dyke (pinkish color; Kspar-rich)
280,75	281,35																			Granite dyke; sericitized and hematized; tr disseminated pyrite
283,63	283,64																			A 0.3cm-thick pyrite veinlet; 50TCA
284,56	284,78																			Thick quartz-(±carbonate)-(±chlorite) vein; 60TCA; 1% disseminated pyrite on either side
284,85	285,11																			Ankerite/sericite pervasive alteration with 1-2% pyrite finely disseminated
293,20	294,78																			Sericite alteration zone including quartz-(pyrite) veins and granite dyke (+mineralization)
293,20	293,22																			A 2cm-thick quartz vein + 1% pyrite along edges; 45TCA
293,48	293,79																			A 5cm-thick quartz vein; 15TCA
293,79	294,02																			Granite dyke; strongly sericitized
294,23	294,56																			Series of cm to pluri-cm-thick quartz veins within a strongly sericitized zone; locally semi-massive pyrite (1cm-thick vein)
294,56	294,78																			A 1cm-thick quartz vein; 10TCA; 1-2% pyrite associated
296,79	296,86																			A 4cm-thick quartz-carbonate vein and/or pegmatite; 25TCA
297,52	297,88																			Hematite alteration zone including 1-2% pyrite as disseminated grains
298,60	299,60																			Hematite alteration zone; magnetic
300,43	300,83																			Pervasive sericite/ankerite alteration zone including pyrite stringers and veins; 5% pyrite
300,76	300,81																			A 4cm-thick quartz-pyrite vein; 5-7% pyrite; 70TCA
302,29	302,40																			Series of pluri-cm thick quartz veins + sericite alteration; pyrite is associated (2%)
302,40	302,65																			Series of fine pyrite stringers (at a 1 to 5cm interval); 3-4% pyrite
309,27	309,30																			A 2cm-thick quartz-calcite-pyrite vein (40TCA); 5% pyrite
309,40	313,55																			Hematite partial alteration zone; gradational contacts
311,15	311,62																			A 2cm-thick quartz-(chlorite)-(carbonate) vein; 5TCA
312,53	312,66																			Series of small parallel quartz veins; 30TCA
313,76	313,92																			A 1cm-thick quartz-carbonate vein; 25TCA
314,10	314,20																			Series of small pyrite stringers, 60TCA; hematite alteration associated
315,35	315,59																			A 1cm-thick quartz-calcite vein; 20TCA
315,85	316,40																			Magnetic zone (due to disseminated magnetite?)
320,78	320,85																			Pegmatite dyke
321,00	327,00																			Magnetic zone + partial hematite alteration
321,42	321,70																			Dislocated pegmatite dyke
340,26	341,82																			Partial to pervasive hematite alteration zone giving the rock a pinkish color; locally magnetic; tr pyrite
342,24	342,64																			Sericite/ankerite alteration zone including pyrite stringers/veinlets (±qtz); 60TCA; 1-2% pyrite
343,74	343,80																			A 5cm-thick quartz-pyrite vein, 10-15% pyrite; 40TCA
343,80	344,15																			Ankerite/sericite alteration zone including a series of pyrite veins/veinlets (at a 4 to 8cm interval); 50-60TCA; 5% pyrite. A series of calcite-geothite (or Kspar?) stockwerk (early) occurs; cross-cut by late pyrite stringers (photo)
344,52	344,96																			Ankerite/sericite partial alteration zone including pyrite veins/veinlets at a 5-10cm interval; 20 and 60TCA; 3-4% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358577 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-34-2010	**EASTING:**	451752 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	518m
START DATE:	February 22nd 2(	**Line 8+00E; Station 9+25**		**CORE SIZE:**	NQ
FINISH DATE:	March 27th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
345,06	345,07																			A 1cm-thick quartz-pyrite vein; 5-10% pyrite; 75TCA
345,38	345,72																			Ankerite/sericite partial alteration zone including pyrite-calcite-(quartz) veins/veinlets at a 5-10cm interval; 40TCA; 3-4% pyrite
346,38	346,38																			Pyrite stringer + ankerite/sericite alteration associated; 60TCA
347,37	347,37																			Pyrite stringer + ankerite/sericite alteration associated; 60TCA
347,93	348,00																			Pegmatite (quartz-Kspar)
348,27	348,90																			Pegmatite (quartz-Kspar); 60TCA; locally down-dip
349,25	349,78																			Series of small pegmatite (few cm-thick) veins
351,62	352,39																			Pegmatite (quartz-Kspar); 60TCA; locally down-dip; + quartz vein
352,49	352,56																			Pegmatite (quartz-Kspar); 45TCA
352,65	352,90																			1-2% finely disseminated pyrite with a carbonate-hematite alteration zone; including a 2cm-thick quartz-carbonate vein also occurs (75TCA)
366,96	367,00																			Quartz-chlorite-calcite vein (grey quartz) + tr-1% pyrite; 30TCA
367,07	367,09																			Quartz-chlorite-calcite vein (grey quartz) + tr-1% pyrite; 30TCA
367,42	367,44																			Quartz-chlorite vein; 70TCA
367,96	367,97																			Thin quartz vein; 30TCA
369,89	369,91																			Quartz-(chlorite) vein (white quartz); 60TCA
370,12	378,05																			Zone with local epidote alteration along micro-fractures (~5% of the rock) + leucoxene. Several calcite tension fractures also occur; locally strongly magnetic
373,16	374,20																			Series of calcite-quartz stringers/veinlets at a 15cm interval; 40TCA. Locally including 1-2% pyrite
380,73	380,75																			A 2cm-thick quartz-chlorite vein; 50TCA
392,20	392,27																			Quartz-carbonate-chlorite vein (35TCA) + local sericite and hematite alteration associated
392,82	392,90																			Calcite-geothite vein; 25TCA
393,06	393,07																			Pyrite-calcite veinlet; 20TCA; 2% pyrite
393,11	393,21																			A 7cm-thick quartz-carbonate-chlorite vein; tr pyrite associated; 35TCA
394,39	394,53																			Pegmatite dyke (quartz-Kspar); 45TCA
395,40	395,48																			Pegmatite dyke (quartz-Kspar); 35TCA
395,61	395,86																			Pegmatite dyke (quartz-rich) + sericite and Kspar; 40TCA
397,15	**408,30**	**11,15**																		**Mafic intrusion (gabbro)**
																				Or syn-volcanic(?) coarse-grained massive flow; chloritic; coarse grains; not magnetic; gradational contacts (frozen margins?)
408,30	**480,26**																			**Mafic volcanic rock**
																				Idem as previous, locally pillow breccia (rich in epidote); leucoxene are also present along fractures; locally magnetic
408,49	408,51																			Quartz-(chlorite) vein; 35TCA
413,38	413,69																			Series of very fine pyrite stringers (tr-1% pyrite) at a 3-5cm interval; weak hematization is also associated along the edges; 40TCA
414,37	414,53																			Quartz-Kspar pegmatite dyke; 40TCA
417,04	417,04																			trace disseminated chalcopyrite
419,61	420,04																			Series of small fractures/stringers at a 5 to 10cm interval; 35TCA locally contains pyrite (tr-1%). Hematite alteration along edges + leucoxene
420,29	420,96																			Series of small fractures/stringers and quartz veinlets at a 2 to 5cm interval; 40TCA; 1-2% PY. Tr. Molybdenite. Hematite alteration along edges + leucoxene (indicate leaching?)
421,10	421,78																			Series of small fractures/stringers at a 5 to 10cm interval; 35TCA locally contains pyrite (tr-1%). Hematite/sericite/epidote alteration ass.
427,26	427,48																			Granitic dyke (hematized); porphyry plagioclase
435,71	435,81																			10% pyrite as alteration along carbonate vein(?) or xenolith(?)
438,04	438,05																			A 1cm-thick quartz vein; 40TCA

GeoVector Management Inc. GEOLOGICAL LOG

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6 HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358577 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-34-2010	**EASTING:**	451752 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	518m
START DATE:	February 22nd 2(	**Line 8+00E; Station 9+25**		**CORE SIZE:**	NQ
FINISH DATE:	March 27th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
440,61	440,62																			Small quartz-Kspar pegmatite(?) vein; tr pyrite
446,30	446,86																			A 1cm-thick down-dip quartz-carbonate-(chlorite) vein
446,44	446,86																			Series of pyrite stringers and quartz veinlets (at a 3 to 10cm interval; 35TCA); pervasive hematite alteration associated
447,81	447,83																			A 1cm-thick quartz-(carbonate) vein with hematized edges; 35TCA
449,80	449,83																			A 2cm-thick chlorite-quartz vein; 35TCA
453,15	454,65																			Hematite alteration zone giving the rock dark pinkish color. Tr-1% disseminated pyrite; locally magnetic
454,15	454,65																			Series of pyrite stringers (20TCA) at a 1 to 5cm interval; 2-3% pyrite
454,42	454,44																			A 1cm-thick quartz-carbonate vein; 35TCA
455,45	455,65																			1-2% pyrite as fine stringers at a 2-3cm interval
455,65	455,71																			A 5cm-thick quartz vein; 50TCA
456,89	456,89																			Trace chalcopyrite in a fine quartz stringer; 55TCA
459,02	459,11																			A 8cm-thick quartz-chlorite vein; 50TCA
467,50	468,00																			Series of calcite stringers/tension fractures and quartz veinlets with carbonate-hematite(?) alteration associated
467,71	467,84																			5% pyrite as veins, + quartz veinlets in a carbonate-hematite alteration zone
468,00	471,00																			1-2% leucoxene along local fractures/calcite veinlets
471,90	476,00																			Zone of partial "bleaching" (or sericite?) associated/along micro-fractures and quartz veinlets. Leucoxene is also associated
471,91	472,01																			A 7cm-thick quartz-carbonate vein; tr pyrite along the edges; 35TCA
473,66	474,18																			A 1cm-thick down-dip quartz vein
475,66	475,67																			A 1cm-thick quartz vein + leucoxene along edges; 25TCA
476,85	477,78																			Granite dyke; pervasive silica-carbonate alteration (grey color)
479,75	480,26																			Granite dyke; silica-carbonate alteration
480,26	**494,26**	**14,00**																		**Kimberlite/lamprophyre**
																				Phlogopite-rich; calcite; locally weakly magnetic (near the downhole contact); locally >50% of xenoliths (serpentine/olivine)
481,25	482,15																			10-15% of xenoliths; rounded; up to 1cm; composition: serpentine/olivine
482,15	485,10																			>50% of xenoliths; rounded; up to 1cm; composition: serpentine/olivine
489,15	489,36																			Mafic dyke or large xenolith
485,50	485,50																			Schistosity: ~85TCA
493,70	493,70																			Schistosity: 20TCA
494,26	**518,00**																			**Mafic volcanic rock**
																				Idem as previous mafic volcanic rock unit
499,65	500,08																			Ankerite-silica alteration zone; no pyrite. Calcite-chlorite-(±sericite/muscovite) vein associated; 25TCA
503,35	507,18																			Epidote partial alteration zone; locally + hematite alteration
507,56	507,57																			A 1cm-thick quartz vein; 35TCA
510,30	510,60																			Series of quartz-calcite veins/veinlets with 1-2% disseminated pyrite associated in the hosted rock; 50TCA
514,32	514,43																			A 1cm-thick quartz vein; 15TCA
516,92	516,96																			Pink calcite vein (+quartz veinlets associated); 40TCA
518,00	518,00																			EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358577 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-34-2010	EASTING:	451752 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	518m
START DATE:	February 22nd 2010			CORE SIZE:	NQ
FINISH DATE:	March 27th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427693	49.30	50.25	0.95		E427693 0.00															
E427694	77.50	78.10	0.60		E427694 0.00															
E427695	78.10	78.80	0.70	Shoulder	E427695 0.00															
E427696	93.75	94.25	0.50		E427696 0.00															
E427697	94.25	95.50	1.25	Shoulder	E427697 0.00															
E427698	95.50	96.60	1.10		E427698 0.00															
E427699	96.60	96.60	0.00	BLK																
E427700	96.60	96.60	0.00	STD-H																
E427701	107.40	108.30	0.90		E427701 0.00															
E427702	108.30	109.00	0.70		E427702 0.00															
E427703	109.00	109.70	0.70		E427703 0.00															
E427704	122.85	123.75	0.90		E427704 0.00															
E427705	130.00	130.50	0.50		E427705 0.00															
E427706	143.00	143.70	0.70		E427706 0.00															
E427707	143.70	144.20	0.50		E427707 0.00															
E427708	144.20	145.00	0.80		E427708 0.00															
E427709	145.00	145.50	0.50		E427709 0.00															
E427710	145.50	146.00	0.50		E427710 0.00															
E427711	146.00	146.60	0.60		E427711 0.00															
E427712	146.60	147.15	0.55		E427712 0.00															
E427713	163.00	163.50	0.50		E427713 0.00															
E427714	165.80	166.30	0.50	1% Mo	E427714 0.00															
E427715	189.55	190.55	1.00		E427715 0.00															
E427716	190.55	191.40	0.85		E427716 0.00															
E427717	191.40	192.20	0.80		E427717 0.00															
E427718	192.20	193.00	0.80		E427718 0.00															
E427719	193.00	194.00	1.00		E427719 0.00															
E427720	194.00	194.55	0.55		E427720 0.00															
E427721	194.55	195.50	0.95		E427721 0.00															
E427722	195.50	196.50	1.00		E427722 0.00															
E427723	196.50	197.20	0.70		E427723 0.00															
E427724	197.20	197.20	0.00	BLK																
E427725	197.20	197.20	0.00	STD-L																
E427726	201.00	201.70	0.70	Shoulder	E427726 0.01															
E427727	201.70	202.40	0.70	Diorite dyke; tr-1% PY	E427727 0.01															
E427728	202.40	203.00	0.60	Shoulder	E427728 0.01															
E427729	230.00	231.00	1.00	Shoulder	E427729 0.01															
E427730	231.00	232.00	1.00	Fault/shear zone +QV	E427730 0.02															
E427731	232.00	232.65	0.65	Shoulder	E427731 0.02															
E427732	232.65	233.50	0.85	hem alt + tr PY	E427732 0.01															
E427733	233.50	234.20	0.70	Shoulder	E427733 0.01															
E427734	234.20	235.00	0.80	Breccia-fault zone (10cm)	E427734 0.01															
E427735	235.00	236.00	1.00	Shoulder	E427735 0.01															
E427736	236.00	236.75	0.75	tr PY	E427736 0.01															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358577 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-34-2010	EASTING:	451752 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	518m
START DATE:	February 22nd 2010			CORE SIZE:	NQ
FINISH DATE:	March 27th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
E427737	236.75	237.30	0.55	Pyrite stringers	E427737 0.11															
E427738	237.30	238.30	1.00	Shoulder	E427738 0.07															
E427739	238.30	239.00	0.70	Pyrite stringers + Ank/ser alt	E427739 0.23															
E427740	239.00	240.00	1.00	Shoulder	E427740 0.04															
E427741	240.00	240.75	0.75		E427741 0.01															
E427742	240.75	241.50	0.75	tr PY sericite alt	E427742 0.04															
E427743	241.50	242.25	0.75		E427743 0.01															
E427744	242.25	243.00	0.75	2cm-thick qtz-PY-cal vein	E427744 0.22															
E427745	243.00	244.00	1.00	Shoulder	E427745 0.02															
E427746	244.00	245.00	1.00		E427746 0.01															
E427747	245.00	246.00	1.00		E427747 0.03															
E427748	246.00	247.00	1.00	tr-1% pyrite	E427748 0.03															
E427749	247.00	247.00	0.00	BLK																
E427750	247.00	247.00	0.00	STD-H																
G0624001	247.00	247.70	0.70	Pyrite vein (1.5cm-thick)	G0624001 0.27															
G0624002	247.70	248.70	1.00		G0624002 0.01															
G0624003	248.70	250.00	1.30	Shoulder	G0624003 0.03															
G0624004	250.00	250.75	0.75	A 4cm-thick quartz-pyrite vein	G0624004 0.41															
G0624005	250.75	251.50	0.75	pyrite veinlets + sericite alt	G0624005 0.38															
G0624006	251.50	252.25	0.75		G0624006 0.00															
G0624007	252.25	253.25	1.00		G0624007 0.00															
G0624008	253.25	254.10	0.85		G0624008 0.20															
G0624009	254.10	254.85	0.75		G0624009 0.00															
G0624010	254.85	255.65	0.80		G0624010 0.03															
G0624011	255.65	256.65	1.00		G0624011 0.00															
G0624012	256.65	257.55	0.90		G0624012 0.07															
G0624013	257.55	258.25	0.70		G0624013 0.00															
G0624014	258.25	259.00	0.75		G0624014 0.00															
G0624015	259.00	260.00	1.00		G0624015 0.00															
G0624016	260.00	260.70	0.70		G0624016 0.01															
G0624017	260.70	261.25	0.55		G0624017 0.01															
G0624018	261.25	262.00	0.75		G0624018 0.01															
G0624019	264.00	264.70	0.70		G0624019 0.07															
G0624020	272.50	273.30	0.80		G0624020 0.00															
G0624021	273.30	274.00	0.70	Pyrite stringers	G0624021 0.47															
G0624022	274.00	274.60	0.60		G0624022 0.16															
G0624023	274.60	275.25	0.65	Series of quartz-pyrite veinlets	G0624023 2.42															
G0624024	275.25	275.25	0.00	BLK	G0624024 0.01															
G0624025	275.25	275.25	0.00	STD-L																
G0624026	275.25	276.00	0.75	Shoulder																
G0624027	280.75	281.35	0.60		G0624027 0.00															
G0624028	283.50	284.35	0.85		G0624028 0.03															
G0624029	284.35	285.35	1.00		G0624029 0.03															
G0624030	285.35	286.35	1.00		G0624030 0.01															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358577 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-34-2010	EASTING:	451752 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	518m
START DATE:	February 22nd 2010			CORE SIZE:	NQ
FINISH DATE:	March 27th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624031	292.85	293.45	0.60		G0624031 0.00															
G0624032	293.45	294.20	0.75		G0624032 0.01															
G0624033	294.20	294.80	0.60		G0624033 1.06															
G0624034	294.80	295.50	0.70		G0624034 0.01															
G0624035	299.00	299.60	0.60		G0624035 0.06															
G0624036	299.60	300.40	0.80		G0624036 0.20															
G0624037	300.40	300.90	0.50	Quartz-pyrite vein	G0624037 4.99															
G0624038	300.90	302.00	1.10		G0624038 0.01															
G0624039	302.00	302.70	0.70	Quartz vein + pyrite stringers	G0624039 0.30															
G0624040	302.70	303.30	0.60	Shoulder	G0624040 0.01															
G0624041	309.10	309.70	0.60	Quartz-pyrite vein	G0624041 0.78															
G0624042	309.70	311.00	1.30	Shoulder	G0624042 0.01															
G0624043	311.00	311.70	0.70	Down-dip quartz-chlorite vein	G0624043 0.00															
G0624044	311.70	312.50	0.80		G0624044 0.01															
G0624045	312.50	313.00	0.50	Quartz veins	G0624045 0.13															
G0624046	313.00	314.00	1.00	Quartz vein	G0624046 0.30															
G0624047	314.00	314.60	0.60	Pyrite stringers + hematite alt	G0624047 0.05															
G0624048	340.50	341.50	1.00	Shoulder	G0624048 0.02															
G0624049	341.50	341.50	0.00	BLK																
G0624050	341.50	341.50	0.00	STD-H																
G0624051	341.50	342.20	0.70		G0624051 0.01															
G0624052	342.20	342.70	0.50		G0624052 0.23															
G0624053	342.70	343.55	0.85		G0624053 0.01															
G0624054	343.55	344.25	0.70		G0624054 8.58															
G0624055	344.25	345.00	0.75		G0624055 1.09															
G0624056	345.00	345.80	0.80		G0624056 0.64															
G0624057	345.80	346.70	0.90	pyrite stringer	G0624057 0.07															
G0624058	346.70	347.50	0.80	pyrite stringer	G0624058 0.04															
G0624059	347.50	348.15	0.65	Shoulder	G0624059 0.00															
G0624060	351.55	352.45	0.90		G0624060 0.00															
G0624061	352.45	353.00	0.55		G0624061 0.02															
G0624062	366.90	367.50	0.60	Quartz veinlets + tr-1% pyrite	G0624062 0.01															
G0624063	367.50	368.10	0.60		G0624063 0.00															
G0624064	373.00	373.75	0.75	Pyrite stringers at a 15cm interval	G0624064 0.00															
G0624065	373.75	374.25	0.50	Pyrite stringers at a 15cm interval	G0624065 0.02															
G0624066	392.10	392.60	0.50	Quartz veins	G0624066 0.00															
G0624067	392.60	393.35	0.75	Quartz vein; tr pyrite	G0624067 0.00															
G0624068	413.30	413.80	0.50	local pyrite stringers	G0624068 0.00															
G0624069	419.50	420.25	0.75	series of fine pyrite stringers	G0624069 0.00															
G0624070	420.25	421.00	0.75	Quartz-pyrite veinlets;1-2% PY	G0624070 0.01															
G0624071	421.00	421.85	0.85	Fine pyrite stringers; tr-1% pyrite	G0624071 0.01															
G0624072	434.75	435.50	0.75	Shoulder	G0624072 0.00															
G0624073	435.50	436.00	0.50	Locally 10% pyrite	G0624073 0.06															
G0624074	436.00	436.00	0.00	BLK																

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358577 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-34-2010	EASTING:	451752 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	518m
START DATE:	February 22nd 2010			CORE SIZE:	NQ
FINISH DATE:	March 27th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results																
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624075	436.00	436.00	0.00	STD-L																	
G0624076	436.00	436.70	0.70	Shoulder	G0624076	0.02															
G0624077	446.30	446.90	0.60	Fine pyrite stringers	G0624077	0.00															
G0624078	446.90	447.90	1.00	Shoulder	G0624078	0.00															
G0624079	453.15	454.15	1.00		G0624079	0.01															
G0624080	454.15	454.65	0.50		G0624080	0.44															
G0624081	454.65	455.45	0.80		G0624081	0.01															
G0624082	455.45	456.00	0.55		G0624082	0.00															
G0624083	456.00	457.00	1.00		G0624083	0.01															
G0624084	467.00	467.50	0.50	Shoulder	G0624084	0.00															
G0624085	467.50	468.00	0.50	5% pyrite	G0624085	0.17															
G0624086	468.00	469.00	1.00	Shoulder	G0624086	0.01															
G0624087	469.00	470.00	1.00	Carbonate-hematite alteration zone	G0624087	0.00															
G0624088	470.00	471.00	1.00		G0624088	0.00															
G0624089	471.00	471.90	0.90	Shoulder	G0624089	0.00															
G0624090	471.90	472.75	0.85	Bleached zone	G0624090	0.00															
G0624091	472.75	473.65	0.90	Bleached zone	G0624091	0.00															
G0624092	473.65	474.20	0.55	Quartz vein (down-dip)	G0624092	0.02															
G0624093	474.20	475.00	0.80		G0624093	0.00															
G0624094	475.00	476.00	1.00	Bleached zone	G0624094	0.00															
G0624095	476.00	476.85	0.85	Shoulder	G0624095	0.00															
G0624096	509.50	510.20	0.70	Shoulder	G0624096	1.47															
G0624097	510.20	510.70	0.50	Quartz-calcite veins; 1-2% pyrite	G0624097	0.11															
G0624098	510.70	511.50	0.80	Shoulder	G0624098	0.00															
G0624099	511.50	511.50	0.00	BLK																	
G0624100	511.50	511.50	0.00	STD-H																	

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357603 N, NAD83	AZIMUTH:	230
HOLE NO:	CAR-35-2010	EASTING:	452085 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	128m
START DATE:	March 28th 201	Line 11+50E; Station 0+50S		CORE SIZE:	NQ
FINISH DATE:	March 29th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
0,00	**6,00**	**6,00**	**Casing/Overburden**
6,00	**6,80**	**0,80**	**Aplite dyke**
			Fine-grained granite; pinkish-white color; 1% disseminated pyrite
6,80	**26,97**	**20,17**	**QFP/porphyric intrusion**
			Dark greenish-grey color; contains tr-1% disseminated pyrite; locally sheared
6,98	7,14		Down-dip pyrite veinlet (2-3mm-thick)
14,30	15,07		Sheared zone (locally broken core); 25TCA
14,65	15,11		Down-dip pyrite-(calcite)-(quartz) veinlet (0.5cm-thick)
16,55	17,15		Series of down-dip (<10TCA) quartz veinlets (0.5cm-thick); locally including 3-4% pyrite
18,00	19,45		A 0.5cm-thick down-dip calcite-pyrite veinlet; 2-3% pyrite
21,30	22,55		A 0.5cm-thick down-dip pyrite-calcite veinlet; 3-4% pyrite
25,80	26,34		A 0.5cm-thick down-dip pyrite-calcite veinlet; 1-2% pyrite
26,97	**55,65**	**28,68**	**Granite**
			Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
			Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
			Locally silicified near the uphole contact with QFP; giving the rock a grey color); locally hematized (pink color)
26,97	30,85		Silicified; dark grey color
27,80	28,80		Zone of pyrite stringers/veinlets and quartz-pyrite veins (cm-thick) at a 2 to 5cm interval; 25TCA; locally strongly sheared
29,30	29,70		Down-dip pyrite stringers (0.5cm-thick) + pyrite along the edges; up to 5% pyrite
29,82	29,84		Quartz-pyrite vein (1cm-thick); 35TCA; 2-3% pyrite
29,98	30,15		5% pyrite as stringers and alteration
30,65	30,85		1-2% disseminated pyrite
37,10	37,85		series of micro-fractures (at a 2 to 10cm interval) with pyrite associated; 1-2% pyrite. Hematization is also associated (pinkish color)
38,50	39,70		Hematite alteration zone (downhole contact is gradational); locally including tr-1% pyrite
39,07	39,09		1cm-thick chlorite-quartz vein; 40TCA
43,13	43,15		1cm-thick chlorite-quartz vein; 25TCA
52,86	53,12		A 5cm-thick quartz-chlorite vein; 20TCA
53,49	53,51		A 2cm-thick quartz-chlorite vein; 50TCA
55,65	**72,04**		**QFP/porphyric intrusion**
			plagioclase porphyry; light to medium-grey color; tr-1% disseminated pyrite
72,04	**102,28**		**Granite**
			idem as previous granite unit; the uphole contact is silicified (grey color)
72,04	72,32		Sheared zone (35TCA) at the contact with the QFP; + a 1cm-thick quartz-chlorite@ 72.10m
72,32	78,20		Silicified zone (±calcite) giving the rock a dark grey color); downhole contact is gradational
81,95	82,05		Granitic (Kspar-rich) or aplite dyke; 40TCA
88,84	88,90		Granitic (Kspar-rich) or aplite dyke; 60TCA
91,13	91,16		A 2cm-thick quartz-chlorite vein; 40TCA
91,60	91,78		A 16cm-thick quartz vein; 45TCA
93,69	93,73		Calcite-chlorite vein; 50TCA
100,60	100,64		A 2cm-thick quartz-chlorite; 25TCA
102,28	**106,20**		**QFP**
			Strongly sheared (or schistosity well-developed near the uphole contact); 50TCA.; tr pyrite
106,20	**128,00**		**Granite**

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357603 N, NAD83	**AZIMUTH:**	230
HOLE NO:	CAR-35-2010	**EASTING:**	452085 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	128m
START DATE:	March 28th 201	**Line 11+50E; Station 0+50S**		**CORE SIZE:**	NQ
FINISH DATE:	March 29th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
116,41	116,48																		
120,27	120,36																		
120,92	120,97																		
121,11	121,14																		
122,30	122,46																		
122,56	122,85																		
123,68	123,80																		
126,56	126,61																		
127,96	127,96																		
128,00	EOH																		

COMMENTS
Idem as previous granite unit; locally silicified (grey color); tr disseminated pyrite
A 6cm-thick quartz-chlorite vein; 60TCA; trace pyrite
Kspar-rich dyke (aplite?); pinkish color
Carbonate-quartz-chlorite vein; 30TCA
Quartz-chlorite vein; 35TCA; 1% chalcopyrite
A 15cm-thick quartz vein; including tr-1% chalcopyrite; tr-1% pyrite; tr galena; 65TCA
A 1cm-thick calcite-chlorite veinlet; 15TCA; tr pyrite
Quartz-(chlorite) vein (1cm-thick); 15TCA
A 5cm-thick chlorite vein; 50TCA
Tr pyrite (euhedral crystals)
End of Hole

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357603 N, NAD83	AZIMUTH:	230.00
HOLE NO:	CAR-35-2010	EASTING:	452085 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	128m
START DATE:	March 28th 2010			CORE SIZE:	NQ
FINISH DATE:	March 29th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comments	Assay Results															
					SAMPLE_NU	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624101	6.00	6.80	0.80	Shoulder	G0624101	0.04															
G0624102	6.80	7.30	0.50	Down-dip pyrite veinlet	G0624102	0.07															
G0624103	7.30	8.00	0.70	Shoulder	G0624103	0.02															
G0624104	14.00	14.60	0.60	Shoulder; shear zone	G0624104	0.01															
G0624105	14.60	15.55	0.95	Down-dip pyrite-calcite veinlet	G0624105	0.24															
G0624106	15.55	16.55	1.00	Shoulder	G0624106	0.06															
G0624107	16.55	17.15	0.60	Down-dip quartz veinlets; 3-4% PY	G0624107	0.00															
G0624108	17.15	18.00	0.85	Shoulder	G0624108	0.01															
G0624109	18.00	18.70	0.70	Down-dip pyrite veinlet	G0624109	0.47															
G0624110	18.70	19.45	0.75	Down-dip pyrite veinlet	G0624110	0.25															
G0624111	19.45	20.50	1.05	Shoulder	G0624111	0.02															
G0624112	20.50	21.30	0.80	Shoulder	G0624112	0.28															
G0624113	21.30	22.00	0.70	Down-dip pyrite veinlet	G0624113	1.08															
G0624114	22.00	22.55	0.55	Down-dip pyrite veinlet	G0624114	0.25															
G0624115	22.55	23.80	1.25	Shoulder	G0624115	0.01															
G0624116	23.80	24.80	1.00	Shoulder	G0624116	0.02															
G0624117	24.80	25.80	1.00		G0624117	0.01															
G0624118	25.80	26.34	0.54	Down-dip pyrite veinlet	G0624118	0.03															
G0624119	26.34	26.97	0.63	Shoulder	G0624119	0.01															
G0624120	26.97	27.80	0.83	Shoulder	G0624120	0.01															
G0624121	27.80	28.80	1.00	Series of pyrite stringers and qtz-PY veins	G0624121	1.17															
G0624122	28.80	29.30	0.50	Shoulder	G0624122	0.06															
G0624123	29.30	30.15	0.85	Series of pyrite stringers + diss pyrite	G0624123	3.01															
G0624124	30.15	30.15	0.00	BLK																	
G0624125	30.15	30.15	0.00	STD-L																	
G0624126	30.15	30.85	0.70	Disseminated pyrite	G0624126	0.05															
G0624127	30.85	31.50	0.65	Shoulder	G0624127	0.02															
G0624128	36.20	37.10	0.90	Shoulder	G0624128	0.00															
G0624129	37.10	37.85	0.75	Disseminated pyrite along micro-fractures	G0624129	0.01															
G0624130	37.85	38.50	0.65	Shoulder	G0624130	0.00															
G0624131	120.00	120.75	0.75	Shoulder	G0624131	0.00															
G0624132	120.75	121.25	0.50	Quartz-chlorite vein; 1% chalcopyrite	G0624132	0.01															
G0624133	121.25	122.25	1.00	Shoulder	G0624133	0.00															
G0624134	122.25	122.85	0.60	Quartz vein; tr-1% CPY; tr-1% PY; tr Galena	G0624134	0.04															
G0624135	122.85	123.85	1.00	Shoulder	G0624135	0.00															

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357753 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-36-2009	**EASTING:**	452018 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	311m
START DATE:	March 29th 201	**Line 1+00N; Station 10+75E**		**CORE SIZE:**	NQ
FINISH DATE:	March 31st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**1,60**	**1,60**	**OB**																	**Casing/Overburden**
1,60	**105,60**	**104,00**																		**Granite.**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Locally carbonate alteration zones (grey color), schistosity well-developed in these altered zones
1,60	9,80																			Pervasive carbonate alteration zone (dark-grey color); schistosity well-developed (40TCA); sericite/muscovite along schistosity plans
13,75	23,00																			Carbonate alteration zone (dark-grey color); sericite/muscovite along schistosity plans + calcite tension fractures (1-2%); 50TCA
25,55	28,00																			Partially altered zone (carbonate alteration) associated/along micro-fractures; locally tr chalcopyrite; tr pyrite
27,46	27,47																			A 1cm-thick quartz-calcite-chlorite vein; 50TCA
31,00	34,85																			Pervasive carbonate alteration zone (dark-grey color); schistosity well-developed (20TCA); chlorite-calcite veinlets (~10TCA)
53,67	54,07																			Carbonate alteration zone (grey color); including few calcite veinlets (pink calcite); 30TCA
56,33	63,40																			Pervasive carbonate alteration (grey color); schistosity well-developed marked by chlorite; 35TCA
57,33	57,80																			Broken core (due to weathering?)
66,13	66,15																			A 2cm-thick quartz vein; 55TCA
69,25	69,27																			A 1cm-thick quartz-calcite vein; 20TCA
69,50	80,30																			Weak to moderate carbonate alteration zone (light to medium grey color)
70,34	70,42																			tr-1% pyrite as fine stringers; 45TCA
70,80	71,04																			Pervasive and strong ankerite alteration zone
71,92	71,96																			A 4cm-thick chlorite-calcite vein; 75TCA
72,13	72,14																			A 1cm-thick quartz-calcite vein + ankerite alteration along the edges; 50TCA
74,83	74,92																			A 9cm-thick calcite-chlorite vein; 80TCA
75,74	75,85																			A 8cm-thick quartz-calcite-chlorite vein; 45TCA
77,85	77,90																			A 4cm-thick quartz-(chlorite) vein; 75TCA
83,67	83,72																			A 5cm-thick chlorite-quartz-calcite vein; 65TCA
92,54	92,88																			Carbonate alteration zone (dark grey color) with schistosity well-developed (marked by chlorite minerals); 30TCA
93,30	95,00																			Pervasive calcite-hematite alteration zone; purple-ish color.
97,75	105,60																			Calcite alteration (±hematite), including few calcite tension fractures/veinlets
100,24	100,28																			Open-space fracture partially filled with euhedral calcite, chlorite and quartz
105,60	**111,62**																			**QFP/porphyric intrusion**
																				Plagioclase porphyry; dark greenish-grey color; locally tr-1% disseminated pyrite; local sericite alteration
111,62	**115,05**																			**Granite**
																				Idem as previous granite unit; carbonate alteration + calcite tension fractures
114,00	114,80																			Series of pyrite-calcite veinlets/stringers at a 25 to 30cm interval; 2-3% pyrite; 50TCA
115,05	**125,65**																			**QFP/porphyric intrusion**
115,05	115,55																			Contact zone; pervasive sericite-silica alteration; including pyrite as fine stringers and thick vein
115,44	115,47																			A 3cm-thick semi-massive pyrite vein (±calcite, ±quartz)
115,73	115,73																			A fine pyrite stringer; 15TCA
119,00	120,00																			Partially broken core
119,69	119,70																			A 0.5cm-thick pyrite veinlet; 15TCA
125,00	125,65																			Contact zone; pervasive sericite alteration zone, including a fine pyrite-calcite stringer; 1% pyrite; 25TCA
125,65	**139,15**																			**Granite**
																				Almost pervasively altered (carbonate); locally trace pyrite
125,65	126,40																			Alteration zone at the contact with the QFP. Two main structural fabrics (photo): carbonate tension fractures developed in quartz crystals (90TCA); and the main schistosity (marked by chlorite minerals): 5TCA
139,15	**144,70**																			**QFP/porphyric intrusion**

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357753 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-36-2009	EASTING:	452018 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	311m
START DATE:	March 29th 201	Line 1+00N; Station 10+75E		CORE SIZE:	NQ
FINISH DATE:	March 31st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
		Locally down-dip; partial hematite alteration (pinkish color); tr pyrite
141,25	141,75	Preserved hosted rock (granite)
144,50	144,70	Ankerite alteration zone including fine pyrite stringers and disseminated pyrite (~1%); 75TCA
144,70	**182,63**	**Granite**
		Idem as previous granite units
144,70	145,55	Pervasive carbonate-silica alteration (dark grey color) at the uphole contact with the QFP; including tr-1% disseminated pyrite
146,05	146,50	Small down-dip QFP dyke
149,33	149,38	A 5cm-thick quartz and chlorite vein; 55TCA
153,53	153,75	Pervasive carbonate alteration zone including calcite tension fractures; tr pyrite
154,47	154,68	Pervasive carbonate alteration zone including calcite tension fractures; tr pyrite
157,54	157,91	Pervasive carbonate alteration zone including calcite tension fractures; tr pyrite
167,40	182,63	Partial and weak carbonate alteration zones (light to medium grey color); including calcite tension fractures/veinlets
173,10	173,35	1% disseminated pyrite
173,53	173,78	A 15cm-thick quartz-(chlorite) vein; partially broken core
182,63	**187,38**	**QFP**
		including 1% disseminated pyrite
187,38	**192,12**	**Granite**
		Idem as previous granite units; pervasive carbonate-(silica) alteration (dark grey color)
192,12	**212,77**	**QFP/porphyric intrusion**
		Dark grey color; locally sericite along fractures + calcite tension fractures (1-2%); tr pyrite
212,77	**311,00**	**Granite**
		Idem as previous granite units; pervasive but weak carbonate alteration
212,77	224,53	Carbonate-silica alteration zone (dark grey color), including locally tr-1% as disseminated pyrite and as stringers
218,02	218,43	QFP dyke; sericitized; no mineralization.
221,43	221,47	1% disseminated pyrite
222,03	222,04	A 0.5cm-thick pyrite stringer; 1-2% pyrite; 50TCA
222,72	222,76	1% disseminated pyrite
223,39	223,40	Fine pyrite stringer
223,58	223,59	Fine pyrite stringer
223,83	223,84	Fine pyrite stringer
235,96	235,97	A 2cm-thick quartz-chlorite vein; 45TCA
236,35	236,36	A 1cm-thick quartz vein; 65TCA
241,25	241,60	Silica-carbonate alteration zone, including tr-1% pyrite and small quartz veinlets; 60TCA
241,89	242,00	Silica-carbonate alteration zone; tr pyrite
242,19	242,38	Silica-carbonate alteration zone; tr pyrite
250,80	251,25	Down-dip calcite-quartz-chlorite dislocated vein; 3-4cm-thick
269,75	270,50	Carbonate-silica alteration zone (dark grey color), including 1% pyrite as disseminated grains and as local stringers
269,88	269,89	A 1cm-thick calcite vein + pyrite (2%) along edges; 60TCA
270,39	270,42	Calcite-(qtz) vein; 3cm-thick; 70TCA
270,98	271,10	Series of pyrite stringers (2-3% PY) and quartz veinlets (50TCA); A strong carbonate-(silica) alteration associated

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357753 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-36-2009	EASTING:	452018 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	311m
START DATE:	March 29th 201	Line 1+00N; Station 10+75E		CORE SIZE:	NQ
FINISH DATE:	March 31st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
271,28	271,93																			Strong carbonate-silica alteration zone, including 2% disseminated pyrite
271,75	271,76																			A 1cm-thick carbonate vein; 60TCA
274,41	274,60																			Strong silica-carbonate alteration zone (contacts are gradational); 2% pyrite as disseminated grains and as stringers
283,25	284,00																			Strong silica-carbonate alteration zone (contacts are gradational); 1% pyrite as disseminated grains
288,00	288,16																			1% pyrite as disseminated grains along schistosity plan (marked by sericite/chlorite minerals)
292,15	294,50																			Pervasive carbonate-silica alteration zone (dark grey color); tr-1% disseminated pyrite
292,45	292,45																			A calcite-pyrite stringer; 60TCA
294,04	294,46																			Series of fine pyrite stringers associated with a strong ankerite alteration zone; 1-2% pyrite; tr chalcopyrite
295,00	297,75																			Pervasive carbonate-silica alteration zone; tr-1% disseminated pyrite
295,17	295,17																			Pyrite stringer; 70TCA
297,20	297,35																			Ankerite-(±pyrite) alteration zone including dislocated calcite veins/tension fractures
307,16	307,21																			Chlorite-quartz vein; 40TCA
311,00	EOH																			End of Hole

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357753 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-36-2009	EASTING:	452018 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	311m
START DATE:	March 29th 2010			CORE SIZE:	NQ
FINISH DATE:	March 31st 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_NC	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624136	25.00	25.55	0.55		G0624136	0.00															
G0624137	25.55	26.20	0.65		G0624137	0.01															
G0624138	26.20	27.00	0.80		G0624138	0.00															
G0624139	27.00	28.00	1.00		G0624139	0.00															
G0624140	69.50	70.30	0.80		G0624140	0.01															
G0624141	70.30	70.80	0.50		G0624141	0.01															
G0624142	70.80	71.30	0.50		G0624142	0.01															
G0624143	71.30	72.30	1.00		G0624143	0.01															
G0624144	113.00	114.00	1.00		G0624144	0.00															
G0624145	114.00	115.05	1.05		G0624145	0.23															
G0624146	115.05	115.55	0.50		G0624146	0.11															
G0624147	115.55	116.50	0.95		G0624147	0.00															
G0624148	116.50	118.00	1.50		G0624148	0.01															
G0624149	118.00	118.00	0.00	BLK																	
G0624150	118.00	118.00	0.00	STD-H																	
G0624151	118.00	119.30	1.30		G0624151	0.00															
G0624152	119.30	120.00	0.70		G0624152	0.03															
G0624153	120.00	121.00	1.00		G0624153	0.01															
G0624154	124.00	125.00	1.00		G0624154	0.01															
G0624155	125.00	125.65	0.65		G0624155	0.11															
G0624156	125.65	126.40	0.75		G0624156	0.01															
G0624157	143.00	144.00	1.00		G0624157	0.02															
G0624158	144.00	144.70	0.70		G0624158	0.02															
G0624159	144.70	145.55	0.85		G0624159	0.02															
G0624160	145.55	146.50	0.95		G0624160	0.00															
G0624161	172.00	173.00	1.00		G0624161	0.01															
G0624162	173.00	174.00	1.00		G0624162	0.01															
G0624163	174.00	175.00	1.00		G0624163	0.00															
G0624164	220.50	221.40	0.90		G0624164	0.01															
G0624165	221.40	222.10	0.70		G0624165	0.01															
G0624166	222.10	223.00	0.90		G0624166	0.01															
G0624167	223.00	223.90	0.90		G0624167	0.02															
G0624168	240.30	241.25	0.95		G0624168	0.00															
G0624169	241.25	242.00	0.75		G0624169	0.01															
G0624170	242.00	243.00	1.00		G0624170	0.01															
G0624171	269.00	269.75	0.75		G0624171	0.00															
G0624172	269.75	270.50	0.75		G0624172	0.07															
G0624173	270.50	271.20	0.70		G0624173	0.03															
G0624174	271.20	271.20	0.00	BLK																	
G0624175	271.20	271.20	0.00	STD-L																	
G0624176	271.20	272.00	0.80		G0624176	0.01															
G0624177	272.00	273.00	1.00		G0624177	0.01															
G0624178	273.75	274.35	0.60		G0624178	0.01															
G0624179	274.35	275.00	0.65		G0624179	0.01															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357753 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-36-2009	**EASTING:**	452018 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	311m
START DATE:	March 29th 2010			**CORE SIZE:**	NQ
FINISH DATE:	March 31st 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_NC	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624180	275.00	275.80	0.80		G0624180	0.01															
G0624181	282.50	283.25	0.75		G0624181	0.00															
G0624182	283.25	284.00	0.75		G0624182	0.02															
G0624183	284.00	285.00	1.00		G0624183	0.01															
G0624184	287.00	287.80	0.80		G0624184	0.00															
G0624185	287.80	288.30	0.50		G0624185	0.01															
G0624186	288.30	289.00	0.70		G0624186	0.01															
G0624187	292.00	293.00	1.00		G0624187	0.01															
G0624188	293.00	294.00	1.00		G0624188	0.02															
G0624189	294.00	294.50	0.50		G0624189	0.10															
G0624190	294.50	295.00	0.50		G0624190	0.00															
G0624191	295.00	296.00	1.00		G0624191	0.01															
G0624192	296.00	297.00	1.00		G0624192	0.01															
G0624193	297.00	297.75	0.75		G0624193	0.01															

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357395 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-37-2010	EASTING:	451949 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	215m
START DATE:	April 6th 2010	Line 2+50S; Station 10+00E		CORE SIZE:	NQ
FINISH DATE:	April 8th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**1,50**	**1,50**	**OB**																	**Casing/Overburden**
1,50	**89,15**	**87,65**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Locally carbonate alteration zones and tr pyrite
6,25	6,65																			Broken core
7,38	7,61																			A 2.5cm-thick aplite vein/dyke; 25TCA; carbonate alteration associated (along the edges)
10,65	11,85																			Pervasive carbonate alteration zone (light grey color); including tr-1% disseminated pyrite
26,13	26,61																			Pervasive carbonate-(±hematite) alteration zone (grey color); including small down-dip calcite-goethite filled fractures; tr pyrite
29,43	29,67																			Quartz-chlorite-biotite
32,30	40,96																			Carbonate alteration zone (grey color); presence of leucoxene; tr pyrite
42,91	43,10																			Quartz-chlorite vein; 50TCA
61,75	62,28																			Shear zone including dislocated quartz veinlets (parallel to shear); 30TCA; carbonate alteration associated
67,67	69,60																			Weak hematite-(calcite) alteration zone
73,56	74,00																			Strong silica alteration (+ hematite); tr-1% pyrite
75,24	75,45																			A 10cm-thick pegmatite dyke + 10cm-wide silica alteration along edges including 1% pyrite
77,72	78,19																			Pervasive and strong silica alteration zone including 1-2% pyrite as disseminated euhedral grains
81,92	81,94																			A 1cm-thick quartz vein; 45TCA
83,45	83,91																			Silica alteration zone (dark grey color)
89,15	**110,70**																			**QFP**
																				Plagioclase porphyry; dark greenish grey; sericite-rich
97,70	98,00																			Broken and partially broken core
99,25	99,27																			A 1.5cm-thick calcite vein; 20TCA
109,15	109,52																			1% pyrite associated with sericite and with microfractures (15TCA)
109,75	110,70																			Sheared zone at the downhole contact with the granite; 20TCA; tr pyrite along shear plans
110,70	**193,90**																			**Granite**
																				Idem as previous granite unit; Strongly and pervasive altered into silica-sericite-(carbonate?) giving the rock a dark grey color; Locally calcite tension fractures occur.
113,90	114,35																			Zone with 1-2% disseminated pyrite
114,64	114,90																			1-2% pyrite as veinlets (70TCA); strong carbonate sericite/chlorite alteration associated
116,12	116,18																			1% pyrite as stringers; 50TCA
116,66	116,79																			1-2% pyrite as veinlets (±Qtz); strong carbonate sericite/chlorite alteration associated
117,09	117,30																			Sericite strong alteration (schistosity well-developed; 45TCA); 1-2% pyrite as stringers/veins and 1-2% pyrrhotite as veinlets at the QFP contact.
117,30	117,95																			QFP dyke; strongly sericitized; 1-2% pyrite as veinlets; 45TCA
117,95	118,70																			Strongly sericitized zone (schistosity well-developed; 45TCA); 2-3% pyrite as disseminated grains and as veinlets
118,30	118,41																			Series of dislocated quartz veins (few cm-thick each); including 2-3% pyrite and tr-1% Molybdenite
119,00	119,12																			1% pyrite as veinlet (50TCA) and disseminated grains; sericite/chlorite-silica alteration associated
119,70	120,07																			1-2% pyrite as stringers/veinlets (60TCA); + silica-sericite/chlorite alteration associated
120,55	120,70																			1% pyrite as disseminated + silica-sericite/chlorite alteration associated
121,95	122,38																			Strong silica alteration zone (±sericite/chlorite) including 2-3% pyrite as veins/veinlets and disseminated pyrite; 50TCA
123,10	123,80																			tr-1% pyrite as fine stringers (±calcite) with silica-carbonate alteration along edges; 60TCA

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357395 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-37-2010	EASTING:	451949 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	215m
START DATE:	April 6th 2010	Line 2+50S; Station 10+00E		CORE SIZE:	NQ
FINISH DATE:	April 8th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
124,57	124,67	Carbonate-quartz vein including 1-2% pyrite and 1% hematite; ankerite alteration zone associated along edges
127,00	127,65	Strong silica-sericite/chlorite alteration zone; including 1-2% pyrite
128,55	129,10	Tr-1% pyrite associated with micro-fracturing with silica-carbonate alteration along edges; 15TCA
131,40	133,95	Pervasive and strong silica-sericite/chlorite alteration zone including locally 2-3% pyrite as veins/veinlets (at a 10 to 25cm interval; 40 to 50TCA)
134,75	135,40	1-2% disseminated pyrite and fine stringers + pervasive silica-sericite/chlorite alteration associated
137,40	138,25	Pervasive silica-sericite/chlorite alteration + carbonate alteration zone; including 1% disseminated pyrite
139,35	139,80	Pervasive carbonate alteration zone (grey color); including tr-1% disseminated pyrite
140,03	140,15	Tr-1% disseminated pyrite associated with microfractures (40TCA)
141,30	142,60	Pervasive and strong carbonate-sercite/chlorite alteration zone with well-developed schistosity (marked by sericite-chlorite minerals); 15TCA; including tr-1% disseminated pyrite
143,55	148,80	Pervasive carbonate-silica alteration zone + sericite/chlorite. Average tr-1% disseminated pyrite; (dark grey color)
143,71	143,90	Series of two calcite-vuggy veins including tr-1% pyrite along their edges; 30TCA
144,05	144,55	Strong silica-sericite alteration zone including up to 5% pyrite (disseminated and in quartz veinlets)
145,35	145,67	Series of cm-thick dislocated quartz veins and calcite-vuggy veins; including tr-1% pyrite along edges.
146,04	146,10	A 2cm-thick semi-massive pyrite vein (±carbonate; ±quartz); 60TCA
147,10	147,42	A 1cm-thick quartz-carbonate-chlorite vein (10TCA); tr-1% pyrite associated
148,00	148,19	A 1cm-thick pink calcite vein; 10TCA; tr-1% pyrite associated
153,56	155,28	Pervasive carbonate-silica alteration zone including tr disseminated pyrite grains and as local stringers
159,29	159,45	Pervasive and strong carbonate-silica alteration; tr-1% pyrite as disseminated grains and stringers
159,90	160,60	Pervasive and strong carbonate-silica alteration; including 2-3% pyrite as stringers and veins (at a 5 to 10cm interval); 60TCA
160,75	160,82	Pervasive and strong carbonate-silica alteration; tr-1% pyrite as disseminated grains and stringers
163,62	163,79	Pervasive and strong carbonate-silica alteration; tr pyrite as disseminated grains and stringers
164,90	165,04	Pervasive and strong carbonate-silica alteration; tr pyrite as disseminated grains and stringers
167,14	167,72	Pervasive and strong carbonate-silica alteration; tr pyrite as disseminated grains and stringers
169,90	170,30	Pervasive and strong carbonate-silica alteration zone including 1-2% pyrite as stringers and disseminated grains; 40TCA
172,65	172,76	A 10cm-thick quartz-(chlorite) vein; 80TCA
173,15	**193,90**	**Altered granite**
		Strong hematite-calcite alteration (light purple-ish red color); chlorite-rich. Both contacts are gradational
180,07	180,22	A 1cm-thick quartz vein; 20TCA
192,32	192,35	A 2cm-thick quartz vein; 1-2% pyrite along edges; 25TCA
193,90	**215,00**	**Granite**
		Idem as previous granite unit
205,53	205,69	QFP dyke, hematized (pinkish color)
207,00	207,08	QFP dyke, hematized (pinkish color)
211,81	211,83	Quartz vein; 60TCA
215,00		EOH

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357395 N, NAD83	AZIMUTH:	270.00
HOLE NO:	CAR-37-2010	EASTING:	451949 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	215m
START DATE:	April 6th 2010			CORE SIZE:	NQ
FINISH DATE:	April 8th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_N	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624233	61.00	61.75	0.75		G0624233	0.00															
G0624234	61.75	62.30	0.55		G0624234	0.02															
G0624235	62.30	63.00	0.70		G0624235	0.00															
G0624236	72.85	73.50	0.65		G0624236	0.00															
G0624237	73.50	74.10	0.60		G0624237	0.02															
G0624238	74.10	75.10	1.00		G0624238	0.00															
G0624239	75.10	75.60	0.50		G0624239	0.00															
G0624240	75.60	76.50	0.90		G0624240	0.00															
G0624241	76.50	77.70	1.20		G0624241	0.00															
G0624242	77.70	78.20	0.50		G0624242	0.02															
G0624243	78.20	79.00	0.80		G0624243	0.00															
G0624244	108.40	109.15	0.75		G0624244	0.04															
G0624245	109.15	109.75	0.60		G0624245	0.03															
G0624246	109.75	110.70	0.95		G0624246	0.01															
G0624247	110.70	111.80	1.10		G0624247	0.00															
G0624248	111.80	113.00	1.20		G0624248	0.00															
G0624249	113.00	113.00	0.00	BLK																	
G0624250	113.00	113.00	0.00	STD-H																	
G0624251	113.00	113.90	0.90		G0624251	0.00															
G0624252	113.90	114.50	0.60		G0624252	0.04															
G0624253	114.50	115.00	0.50		G0624253	0.04															
G0624254	115.00	116.00	1.00		G0624254	0.00															
G0624255	116.00	116.60	0.60		G0624255	0.00															
G0624256	116.60	117.30	0.70		G0624256	0.07															
G0624257	117.30	117.95	0.65		G0624257	0.15															
G0624258	117.95	118.70	0.75		G0624258	0.11															
G0624259	118.70	119.70	1.00		G0624259	0.00															
G0624260	119.70	120.70	1.00		G0624260	0.00															
G0624261	120.70	121.95	1.25		G0624261	0.00															
G0624262	121.95	122.45	0.50		G0624262	0.00															
G0624263	122.45	123.10	0.65		G0624263	0.01															
G0624264	123.10	123.80	0.70		G0624264	0.00															
G0624265	123.80	124.40	0.60		G0624265	0.00															
G0624266	124.40	124.90	0.50		G0624266	0.21															
G0624267	124.90	125.90	1.00		G0624267	0.01															
G0624268	125.90	127.00	1.10		G0624268	0.00															
G0624269	127.00	127.65	0.65		G0624269	0.08															
G0624270	127.65	128.55	0.90		G0624270	0.00															
G0624271	128.55	129.10	0.55		G0624271	0.01															
G0624272	129.10	130.00	0.90		G0624272	0.00															
G0624273	130.00	131.40	1.40		G0624273	0.00															
G0624274	131.40	131.40	0.00	BLK																	
G0624275	131.40	131.40	0.00	STD-L																	
G0624276	131.40	132.35	0.95		G0624276	0.05															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357395 N, NAD83	AZIMUTH:	270.00
HOLE NO:	CAR-37-2010	EASTING:	451949 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	215m
START DATE:	April 6th 2010			CORE SIZE:	NQ
FINISH DATE:	April 8th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_N	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624277	132.35	133.00	0.65		G0624277	0.03															
G0624278	133.00	133.95	0.95		G0624278	0.01															
G0624279	133.95	134.75	0.80		G0624279	0.00															
G0624280	134.75	135.40	0.65		G0624280	0.08															
G0624281	135.40	136.40	1.00		G0624281	0.01															
G0624282	136.40	137.40	1.00		G0624282	0.00															
G0624283	137.40	138.25	0.85		G0624283	0.03															
G0624284	138.25	139.35	1.10		G0624284	0.00															
G0624285	139.35	140.15	0.80		G0624285	0.01															
G0624286	140.15	141.30	1.15		G0624286	0.00															
G0624287	141.30	141.90	0.60		G0624287	0.02															
G0624288	141.90	142.60	0.70		G0624288	0.05															
G0624289	142.60	143.55	0.95		G0624289	0.00															
G0624290	143.55	144.05	0.50		G0624290	0.09															
G0624291	144.05	144.55	0.50		G0624291	0.13															
G0624292	144.55	145.35	0.80		G0624292	0.03															
G0624293	145.35	146.10	0.75		G0624293	0.09															
G0624294	146.10	147.10	1.00		G0624294	0.03															
G0624295	147.10	148.00	0.90		G0624295	0.05															
G0624296	148.00	148.80	0.80		G0624296	0.06															
G0624297	148.80	149.50	0.70		G0624297	0.00															
G0624298	159.00	159.90	0.90		G0624298	0.02															
G0624299	159.90	159.90	0.00	BLK																	
G0624300	159.90	159.90	0.00	STD-H																	
G0624301	159.90	160.60	0.70		G0624301	0.05															
G0624302	160.60	161.25	0.65		G0624302	0.00															
G0624303	169.00	169.80	0.80		G0624303	0.00															
G0624304	169.80	170.30	0.50		G0624304	0.01															
G0624305	170.30	171.30	1.00		G0624305	0.00															
G0624306	191.40	192.15	0.75		G0624306	0.00															
G0624307	192.15	192.65	0.50		G0624307	0.01															
G0624308	192.65	193.40	0.75		G0624308	0.00															

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-38-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	638m
START DATE:	April 9th 2010	Line 9+33E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:	April 17th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**22,80**	**22,80**	**OB**																		**Casing/Overburden; casing at 27m**
0,00	**3,00**	**3,00**																			**Overburden**
3,00	**100,79**	**97,79**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																					Several carbonate alteration zones along fractures and tr pyrite
12,93	13,43																				Carbonate alteration zone; including local quartz-chlorite veins; tr pyrite
15,80	15,84																				A 4cm-thick quartz-chlorite vein; 80TCA
18,89	18,92																				A 3cm-thick quartz-chlorite vein; including tr jaspe/hematite; 70TCA
29,73	29,74																				A 1cm-thick quartz vein including 5% pyrite; 4% Chalcopyrite
40,77	40,91																				A strong silica-carbonate alteration zone; including tr pyrite
44,86	45,30																				Partially broken core
49,40	52,60																				Zone of partially broken core; micro-fractures/micro-breccia
56,50	56,80																				Broken core
57,63	57,98																				A 7cm-thick quartz vein; 15TCA
60,95	62,57																				Carbonate-(±hematite) alteration zone (grey to pinkish grey color); including locally tr chalcopyrite
62,28	62,30																				A 1cm-thick quartz-calcite vein; 40TCA
67,18	100,79																				Pervasive silica-carbonate alteration zone; (grey color)
74,35	76,45																				Hematite-silica alteration zone (purple-ish red color); including 1-2% disseminated pyrite
77,81	78,04																				Pegmatite dyke
85,25	87,25																				Broken core
88,78	88,96																				Hematite-silica alteration zone
91,10	99,00																				Pervasive carbonate-silica (dark grey color); strongly along micro-fractures (core partially broken core)
97,55	98,45																				Zone with 1% disseminated pyrite
100,79	**147,38**	**46,59**																			**Altered granite**
																					Hematite-calcite alteration; purple-ish red color; locally vuggy due to calcite dissolution. Both contacts are gradational
141,23	142,00																				Unaltered granite
142,96	143,55																				Unaltered granite
147,38	**207,66**	**60,28**																			**Granite**
																					Including local small fractures and calcite stringers with local carbonate-silica alteration along the edges
147,85	154,06																				Zone with micro-fracture network; locally partially broken core
157,76	157,77																				Quartz vein; 70TCA
168,84	168,86																				2cm-thick quartz vein; 55TCA
170,72	171,05																				Quartz veinlet dense network (~5% vein) with various orientations. No alteration associated and no mineralization associated
172,36	173,00																				Silica-carbonate alteration zone; tr pyrite; presence of leucoxene
173,00	173,39																				QFP dyke
186,00	186,25																				A 1cm-thick calcite-geothite filled fracture/vein; 15TCA
207,66	**242,52**	**34,86**																			**Altered granite**
																					Hematite-calcite alteration; purple-ish red color; locally vuggy due to calcite dissolution. Both contacts are gradational
224,81	226,56																				QFP dyke; pervasive hematite-chlorite alteration (photo)
229,45	229,87																				QFP dyke; pervasive hematite-chlorite alteration; schistosity locally well-developed

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-38-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	638m
START DATE:	April 9th 2010	Line 9+33E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:	April 17th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensity					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
230,77	233,25																				QFP dyke; pervasive hematite-chlorite alteration; schistosity locally well-developed; 55TCA; partially broken core
242,52	**257,00**	**14,48**																			**Granite**
																					Idem as previous granite unit
247,06	247,07																				A 1cm-thick quartz vein; 40TCA
248,60	249,80																				Hematite-calcite alteration zone (purple-ish color); gradational contacts
257,00	**269,45**	**12,45**																			**Altered granite**
																					Idem as previous altered granite unit
269,45	**320,88**	**51,43**																			**Granite**
																					Idem as previous granite unit
272,32	273,26																				Weak hematite-calcite alteration zone (light pinkish-red color)
274,55	281,80																				Pervasive silica-carbonate alteration and locally hematite; tr pyrite; presence of leucoxene
278,62	278,74																				1% pink-purple garnet
280,85	280,90																				Calcite; 35TCA
283,67	283,94																				Quartz veinlets (0.5cm-thick); at a 2 to 5cm interval
291,06	297,40																				Silica-carbonate pervasive alteration zone (dark grey color)
292,17	292,25																				A 7cm-thick quartz vein + chlorite and tr-1% pyrite along the edges; 50TCA
300,81	302,00																				Hematite-calcite alteration zone (light reddish color)
310,06	310,07																				A 0.5cm-thick quartz-vuggy vein; 50TCA
310,60	310,62																				A 2cm-thick quartz vein; 35TCA
310,87	310,91																				A 2cm-thick quartz vein; 40TCA
317,62	317,67																				Chlorite-quartz vein + leucoxene along the edges
320,88	**347,10**	**26,22**																			**Altered granite**
																					Purple-ish color; hematite-calcite alteration + chlorite-rich; locally vuggy due to calcite dissolution;
330,70	331,67																				QFP dyke; completely altered into hematite + chlorite
341,10	341,27																				Aplite dyke(?); broken core; pervasive hematite alteration
347,10	**570,95**	**223,85**																			**Mafic volcanic rock**
																					Very fine-grained; chlorite-rich; medium- to dark green color. Locally magnetic; locally varioles filled with hematite and/or jaspe
347,10	356,00																				Zone of broken and partially broken core (the contact zone with the granite
348,05	348,75																				Pervasive hematite alteration (dark red color) with local varioles filled with hematite/jasper
351,70	353,09																				Pervasive and strong hematite alteration (red color)
356,00	356,14																				Pegmatite vein/dyke; 35TCA
357,65	358,15																				Carbonate alteration zone; 5% vuggy caused by dissolution
362,71	362,97																				Vuggy open-space fracture/vein; 10% porosity
363,90	363,92																				2% pyrite as stringers; 50TCA
364,07	364,18																				4-5% pyrite as stringers and filled voids or primary layers(?); 80TCA
367,70	376,00																				Zone with partial hematite-calcite alteration + granite small injections // to schistosity; ~25TCA
374,00	403,70																				Volcanic breccia/pillow breccia; matrix rich in magnetite; magnetite also present in fractures; 5% of fractures

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-38-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	638m
START DATE:	April 9th 2010	Line 9+33E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:	April 17th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensity					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
382,87	382,91																				A 4cm-thick semi-massive pyrite vein (±calcite); sheared (80TCA); graphite along sheared plans
382,40	384,00																				Zone with granitic injections (plagio-rich)
386,43	386,45																				1-2% pyrite as stringers (+calcite stringers) on 2cm; 80TCA
393,11	393,18																				1-2% pyrite as stringers (at a 4cm interval); 70TCA
394,33	394,62																				Series of down-dip fractures; filled with calcite and magnetite; up to 1% pyrite
396,45	397,35																				Down-dip "syenite" with a dislocated quartz vein; including 1% cubic pyrite
398,50	412,40																				Pervasive hematite alteration zone + zone small granitic/syenite injections (cm-thick veins to pluri-dm dykes; also hematized) ~50% of the rock
399,51	399,53																				Open-space fracture partially filled with carbonate and pyrite; trace pyrite
401,12	401,48																				Down-dip syenite dyke with dislocated quartz veinlets and cubic pyrite grains (1%) + sericite
401,55	401,58																				A 2cm-thick chlorite vein; 35TCA
403,22	403,50																				Dislocated syenite dyke
403,70	404,25																				Dislocated syenite dyke
406,15	407,06																				Dislocated syenite dyke (with pervasive hematite-carbonate alteration)
407,65	408,78																				Syenite/granite dislocated dyke with rounded and digested xenoliths (locally >50%)
408,26	408,32																				A 2cm-thick massive hematite vein; 30TCA
412,40	413,80																				Open-sapce fracturing with strong sericite alteration limited to the edges; locally weathered(?)
414,20	414,67																				Broken core + carbonate veins
414,67	424,90																				Locally tr-1% pyrite as fine stringers and disseminated pyrite; no alteration associated; locally granitic injections associated (carbonatized)
415,64	415,94																				Series of pyrite stringers (1-2% pyrite) at a 10cm interval)
416,80	416,81																				Pyrite-carbonate stringers; 35TCA
423,49	423,60																				2-3% pyrite as stringers + moderate ankerite alteration associated
426,85	427,68																				Zone with carbonate veins/tension fractures: ~50% of the rock
428,65	428,69																				Carbonate vein; 30TCA
428,98	429,04																				Carbonate vein; 35TCA
432,44	432,46																				A 2cm-thick carbonate vein + 2% pyrite along edges; 70TCA
432,91	432,99																				3% pyrite as veinlet (1cm-thick) and stringers; 60TCA
433,12	433,76																				1-2% of very fine disseminated pyrite grains and along fractures/schistosity plans (30TCA)
438,45	448,55																				Volcanic breccia/pillow breccia + weak hematized matrix; giving the rock a green and pink color; tr pyrite associated
451,54	451,55																				A 0.5cm-thick chlorite-pyrite veinlet; 15TCA
451,75	451,81																				10% pyrite as coarse grains in a chlorite-rich zone along a carbonate vein
451,81	451,85																				Carbonate vein; 3cm-thick; 30TCA; pyrite along the edges
453,17	453,19																				Massive pyrite vein; 2cm-thick; 80TCA
455,67	455,68																				A 0.5cm-thick calcite-pyrite vein (semi-massive pyrite); 75TCA
456,21	456,36																				Chlorite-rich vein; 10cm-thick; 1-2% pyrite finely disseminated along edges
461,47	461,63																				Quartz-carbonate dyke/vein; fine-grained; 20TCA
472,40	473,00																				Partially broken core
474,50	477,00																				Broken and partially broken core
476,73	476,91																				1-2% very fine-grained disseminated pyrite + ankerite-hematite alteration

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-38-2010	**EASTING:**	451876 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	638m
START DATE:	April 9th 2010	**Line 9+33E; Station 7+75N**		**CORE SIZE:**	NQ
FINISH DATE:	April 17th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensity CODE				Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
476,91	476,94	2-3% chalcopyrite in quartz-carbonate-chlorite-vuggy vein; tr pyrite; 40TCA
485,70	485,78	A 4cm-thick "syenite" dyke (30TCA) + dislocated quartz vein
487,24	487,25	A 1cm-thick quartz vein + tr-1% pyrite along the edges; 30TCA
487,33	487,38	A 1cm-thick down-dip quartz vein + tr pyrite along the edges
496,18	496,93	Series of cm-thick granite dykes; 10 to 25TCA
498,50	498,65	2cm-thick granite dyke/vein
505,15	505,27	1-2% pyrite as fine stringers; 60TCA
506,06	506,07	A 1cm-thick quartz vein + tr pyrite along the edges; 20TCA
506,89	507,09	1-2% pyrite as fine stringers; 40TCA
508,52	508,70	A 5cm-thick, dislocated and down-dip syenite dyke
509,05	509,14	1-2% pyrite in calcite stringers + hematite alteration; 25TCA
513,14	513,43	Zone with 5% pyrite as disseminated coarse-grained euhedral pyrite (up to 1cm)
524,40	524,97	Down-dip and dislocated carbonate and green carbonate vein; tr pyrite
526,10	526,79	Carbonatized and chloritized granite dyke
527,20	528,25	Carbonatized and chloritized granite dyke
529,60	529,65	2-3% chalcopyrite; 1% pyrite disseminated along 1cm-thick quartz-chlorite vein; 35TCA
529,31	529,56	tr-1% pyrite as fine and dislocated stringers
529,65	529,68	A 2cm-thick quartz-green carbonate vein; 25TCA; tr pyrite along the edges
531,80	531,82	A 2cm-thick pink calcite vein; 50TCA
534,52	534,58	A 3cm-thick quartz-carbonate-chlorite vein; 25TCA
536,83	537,30	Granite dyke; hematized (pinkish color)
538,30	538,95	Dislocated syenite dyke; tr pyrite
542,04	542,15	Granite dyke; strong hematite-calcite alteration; 6cm-thick; 30TCA
543,53	543,55	A 2cm-thick calcite vein; 30TCA
546,82	546,83	Tr pyrite along fracture; hematite alteration associated
557,06	557,20	Aplite dyke + quartz vein at the uphole contact (pink-orange color)
557,20	557,54	Pervasive ankerite-carbonate alteration zone (at the contact with the aplite dyke)
558,79	559,14	A 4cm-thick quartz vein (±hematite; ±carbonate); with tr pyrite along the edges; 5TCA
570,25	570,95	Bleaching and/or sericite alteration zone at the contact with QFP intrusion. Including tr-1% pyrite as fine stringers; 40TCA
570,95	**584,45**	**QFP intrusion**
		Sericitized; including tr disseminated pyrite. Contact at 45TCA. Cross-cut by several pyrite-(calcite)-(quartz) veins (~1cm-thick) and stringers.
570,95	571,30	Series of pyrite-carbonate veins (0.5 to 1cm-thick; at a 5cm interval; 45TCA); 5-10% pyrite. Ankerite/sericite alteration associated.
571,46	571,49	Semi-massive to massive pyrite vein (±quartz); 45TCA
571,84	571,91	Pyrite-(quartz) stringers; 2% pyrite; 45TCA
572,35	572,80	Series of cm-thick pyrite vein (semi-massive to massive) at a 4 to 6cm interval; 25TCA. 5-10% pyrite
573,10	573,11	Pyrite stringer; 0.5cm-thick; 30TCA
573,99	574,00	Pyrite stringer; 0.5cm-thick; 30TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-38-2010	**EASTING:**	451876 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	638m
START DATE:	April 9th 2010	**Line 9+33E; Station 7+75N**		**CORE SIZE:**	NQ
FINISH DATE:	April 17th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
579,86	579,87																				Quartz-pyrite vein (1cm-thick; 35TCA)
580,40	580,41																				Quartz-pyrite vein (1cm-thick; 35TCA)
580,86	584,45																				Similar QFP, but less altered (contact at 580,86m); greenish color; tr disseminated pyrite
581,80	581,81																				Quartz-pyrite vein (1cm-thick; 35TCA)
582,09	582,10																				A 1cm-thick quartz vein; 35TCA
582,25	582,26																				Quartz-pyrite vein (1cm-thick; 30TCA)
584,40	**638,00**	**53,60**																			**Mafic volcanic rock**
																					Alternance of mafic flow and flow breccia. Magnetic due to secondary magnetite filling late fractures. Locally, chlorite and epidote-rich. Tr-1% pyrite occurs locally
596,08	596,16																				A 5cm-thick quartz vein (40TCA); + 10cm-wide pyrite-hematite-ankerite alteration zone associated (4-5% pyrite).
599,89	599,91																				A 1cm-thick calcite-pyrite vein; 2% pyrite; 45TCA
601,15	601,18																				Fine pyrite stringers; 65 TCA; tr-1% pyrite
601,30	601,70																				Down-dip carbonate vein (1cm-thick)
603,84	603,85																				A 1cm-thick pyrite veinlet; 60TCA; 1-2% pyrite
603,95	604,37																				Down-dip small syenite dyke + 3cm-thick quartz-(tourmaline) vein. Sericite alteration + tr pyrite
618,37	618,46																				Granite dyke; carbonatized; 80TCA
618,83	618,84																				Tr chalcopyrite; tr pyrite associated with a down-dip quartz veinlet
619,10	619,12																				A 2cm-thick quartz-tourmaline vein; 65TCA. Ankerite alteration along the edges; tr pyrite
619,49	619,69																				A 3cm-thick quartz-(chlorite)-(carbonate) vein; 20TCA; tr pyrite associated
627,76	627,77																				A 0.5cm-thick quartz vein (65TCA) + tr pyrite associated
637,69	637,70																				A 0.5cm-thick quartz-chlorite vein; 10TCA
638,00	EOH																				

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-38-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	638m
START DATE:	April 9th 2010			CORE SIZE:	NQ
FINISH DATE:	April 17th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624339	29.00	29.50	0.50	Shoulder	G0624339	0.00															
G0624340	29.50	30.00	0.50	1cm-thick quartz vein; 5% PY; 4% CPY	G0624340	0.12															
G0624341	30.00	30.50	0.50	Shoulder	G0624341	0.00															
G0624348	73.50	74.35	0.85		G0624348	0.00															
G0624349	74.35	74.35	0.00	Blank																	
G0624350	74.35	74.35	0.00	Standard-H																	
G0624351	74.35	75.45	1.10		G0624351	0.00															
G0624352	75.45	76.45	1.00		G0624352	0.00															
G0624353	76.45	77.00	0.55		G0624353	0.00															
G0624354	97.00	97.55	0.55	Shoulder	G0624354	0.00															
G0624355	97.55	98.45	0.90	1% diss pyrite	G0624355	0.11															
G0624356	98.45	99.00	0.55	Shoulder	G0624356	0.02															
G0624357	170.00	170.60	0.60	Shoulder	G0624357	0.00															
G0624358	170.60	171.10	0.50	Quartz veinlet network	G0624358	0.00															
G0624359	171.10	172.00	0.90	Shoulder	G0624359	0.00															
G0624360	291.25	292.00	0.75	Shoulder	G0624360	0.00															
G0624361	292.00	292.50	0.50	A 7cm-thick quartz vein + tr pyrite	G0624361	0.00															
G0624362	292.50	293.40	0.90	Shoulder	G0624362	0.00															
G0624363	351.00	351.70	0.70	Shoulder	G0624363	0.30															
G0624364	351.70	352.50	0.80	Strongly hematitized mafic volcanic rock	G0624364	0.14															
G0624365	352.50	353.09	0.59	Strongly hematitized mafic volcanic rock	G0624365	0.13															
G0624366	353.09	354.00	0.91	Shoulder	G0624366	1.87															
G0624367	363.25	363.80	0.55	Shoulder	G0624367	0.06															
G0624368	363.80	364.50	0.70	4-5% pyrite as stringers	G0624368	2.63															
G0624369	364.50	365.25	0.75	Shoulder	G0624369	0.14															
G0624370	382.00	382.70	0.70	Shoulder	G0624370	0.00															
G0624371	382.70	383.20	0.50	A 4cm-thick semi-massive pyrite + graphite along shear plans	G0624371	0.00															
G0624372	383.20	384.00	0.80	Shoulder	G0624372	0.00															
G0624373	384.00	385.00	1.00	Shoulder	G0624373	0.00															
G0624374	385.00	385.00	0.00	Blank																	
G0624375	385.00	385.00	0.00	Standard-L																	
G0624376	385.00	386.20	1.20	Shoulder	G0624376	0.00															
G0624377	386.20	386.70	0.50	2% pyrite as stringers on 3cm	G0624377	0.00															
G0624378	386.70	387.50	0.80	Shoulder	G0624378	0.00															
G0624379	393.00	393.50	0.50	1% of pyrite as stringers on 10cm	G0624379	0.00															
G0624380	393.50	394.20	0.70	Shoulder	G0624380	0.00															
G0624381	394.20	394.70	0.50	Pyrite-calcite along down-dip fractures	G0624381	0.00															
G0624382	394.70	395.75	1.05	Shoulder	G0624382	0.00															
G0624383	395.75	396.45	0.70	Shoulder	G0624383	0.00															
G0624384	396.45	397.35	0.90	Syenite + quartz; tr-1% cubic pyrite	G0624384	0.00															
G0624385	397.35	398.50	1.15		G0624385	0.00															
G0624386	398.50	399.50	1.00		G0624386	0.00															
G0624387	399.50	400.20	0.70		G0624387	0.00															
G0624388	400.20	401.10	0.90		G0624388	0.00															
G0624389	401.10	401.60	0.50		G0624389	0.00															
G0624390	401.60	402.35	0.75		G0624390	0.00															
G0624391	402.35	403.20	0.85		G0624391	0.00															
G0624392	403.20	404.25	1.05		G0624392	0.00															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-38-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	638m
START DATE:	April 9th 2010			CORE SIZE:	NQ
FINISH DATE:	April 17th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624393	404.25	405.20	0.95		G0624393	0.00															
G0624394	405.20	406.15	0.95		G0624394	0.00															
G0624395	406.15	407.10	0.95		G0624395	0.00															
G0624396	407.10	408.00	0.90		G0624396	0.00															
G0624397	408.00	408.85	0.85		G0624397	0.00															
G0624398	408.85	409.80	0.95		G0624398	0.00															
G0624399	409.80	409.80	0.00	Blank																	
G0624400	409.80	409.80	0.00	Standard-H																	
I766501	409.80	411.00	1.20		I766501	0.00															
I766502	411.00	411.70	0.70		I766502	0.00															
I766503	411.70	412.40	0.70		I766503	0.00															
I766504	412.40	413.50	1.10		I766504	0.00															
I766505	413.50	414.20	0.70		I766505	0.00															
I766506	414.20	415.25	1.05		I766506	0.00															
I766507	415.25	416.00	0.75	1-2% pyrite as stringers	I766507	0.00															
I766508	416.00	417.00	1.00	Shoulder	I766508	0.00															
I766509	417.00	418.50	1.50	Shoulder	I766509	0.00															
I766510	418.50	419.60	1.10		I766510	0.00															
I766511	419.60	420.60	1.00	Carbonatized granite dyke	I766511	0.00															
I766512	420.60	421.10	0.50	1-2% pyrite as stringers	I766512	0.00															
I766513	421.10	422.20	1.10		I766513	0.00															
I766514	422.20	423.30	1.10		I766514	0.00															
I766515	423.30	423.80	0.50		I766515	0.00															
I766516	423.80	424.90	1.10		I766516	0.00															
I766517	431.40	432.40	1.00	Shoulder; tr-1% pyrite	I766517	0.00															
I766518	432.40	433.00	0.60	2-3% pyrite as local vein	I766518	0.00															
I766519	433.00	433.65	0.65	1-2% disseminated pyrite	I766519	0.00															
I766520	450.50	451.45	0.95	Shoulder	I766520	0.00															
I766521	451.45	452.05	0.60	10% pyrite as 5cm	I766521	0.00															
I766522	452.05	453.00	0.95	Shoulder	I766522	0.00															
I766523	453.00	453.50	0.50	2cm-thick massive pyrite vein	I766523	0.00															
I766524	453.50	453.50	0.00	Blank																	
I766525	453.50	453.50	0.00	Standard-L																	
I766526	453.50	454.50	1.00	Shoulder	I766526	0.00															
I766527	454.50	455.50	1.00	Shoulder	I766527	0.00															
I766528	455.50	456.40	0.90	Local pyrite-calcite veinlets	I766528	0.00															
I766529	456.40	457.00	0.60	Shoulder	I766529	0.00															
I766530	475.50	476.50	1.00	Shoulder	I766530	0.00															
I766531	476.50	477.00	0.50	1-2% CPY; 1% pyrite	I766531	0.00															
I766532	477.00	477.60	0.60	Shoulder	I766532	0.00															
I766533	485.50	486.00	0.50	4cm-thick syenite dyke	I766533	0.00															
I766534	486.00	487.00	1.00	Shoulder	I766534	0.00															
I766535	487.00	487.50	0.50	Down-dip and low-angle quartz vein (1cm-thick)	I766535	0.00															
I766536	505.00	505.50	0.50	1-2% pyrite as stringers	I766536	0.00															
I766537	505.50	506.50	1.00	Shoulder	I766537	0.00															
I766538	506.50	507.15	0.65	1-2% pyrite as stringers	I766538	0.00															
I766539	507.15	508.30	1.15	Shoulder	I766539	0.00															
I766540	508.30	509.20	0.90	A 5cm-thick syenite dyke	I766540	0.00															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-38-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	638m
START DATE:	April 9th 2010			CORE SIZE:	NQ
FINISH DATE:	April 17th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
I766541	512.00	513.00	1.00	Shoulder	I766541	0.00															
I766542	513.00	513.50	0.50	Coarse-grained pyrite; 5% pyrite	I766542	0.00															
I766543	524.40	525.00	0.60	Carbonate and green carbonate vein	I766543	0.00															
I766544	525.00	526.10	1.10	Shoulder	I766544	0.00															
I766545	526.10	527.20	1.10	Carbonatized granite dyke	I766545	0.00															
I766546	527.20	528.25	1.05	Carbonatized granite dyke	I766546	0.00															
I766547	528.25	529.00	0.75	Locally 2-3% CPY; 1% pyrite	I766547	0.00															
I766548	529.00	529.80	0.80	Locally 1% pyrite as fine stringers	I766548	0.00															
I766549	529.80	529.80	0.00	Blank																	
I766550	529.80	529.80	0.00	Standard-H																	
I766551	538.30	538.95	0.65		I766551	0.00															
I766552	557.00	557.55	0.55	Aplite dyke + ankerite alteration	I766552	0.00															
I766553	557.55	558.75	1.20	Shoulder	I766553	0.00															
I766554	558.75	559.35	0.60	4cm-thick quartz vein	I766554	0.00															
I766555	569.50	570.25	0.75	Shoulder	I766555	0.00															
I766556	570.25	570.95	0.70	Bleached mafic volc rock at the contact with QFP; tr-1% pyrite	I766556	0.00															
I766557	570.95	571.60	0.65	QFP; 5-10% pyrite as veins	I766557	0.00															
I766558	571.60	572.35	0.75	QFP	I766558	0.00															
I766559	572.35	572.85	0.50	QFP; 5-10% pyrite as veins	I766559	0.00															
I766560	572.85	573.50	0.65	QFP	I766560	0.00															
I766561	573.50	574.50	1.00	QFP	I766561	0.00															
I766562	574.50	575.50	1.00	QFP	I766562	0.00															
I766563	575.50	576.30	0.80	QFP	I766563	0.00															
I766564	576.30	576.80	0.50	QFP	I766564	0.00															
I766565	576.80	577.80	1.00	QFP	I766565	0.00															
I766566	577.80	578.80	1.00	QFP	I766566	0.00															
I766567	578.80	579.75	0.95	QFP	I766567	0.00															
I766568	579.75	580.50	0.75	QFP	I766568	0.00															
I766569	580.50	581.60	1.10	QFP	I766569	0.00															
I766570	581.60	582.35	0.75	QFP	I766570	0.00															
I766571	582.35	583.40	1.05	QFP	I766571	0.00															
I766572	583.40	584.45	1.05	QFP	I766572	0.00															
I766573	584.45	585.30	0.85	Shoulder	I766573	0.00															
I766574	585.30	585.30	0.00	Blank																	
I766575	585.30	585.30	0.00	Standard-L																	
I766576	595.85	596.35	0.50	Quartz vein + 4-5% pyrite (as alteration)	I766576	0.00															
I766577	596.35	597.00	0.65	Shoulder	I766577	0.00															
I766578	599.70	600.30	0.60	1cm-thick pyrite-calcite vein	I766578	0.00															
I766579	600.30	601.30	1.00	Locally tr-1% pyrite as stringers	I766579	0.00															
I766580	601.30	602.60	1.30	Shoulder	I766580	0.00															
I766581	602.60	603.75	1.15	Shoulder	I766581	0.00															
I766582	603.75	604.40	0.65	Syenite dyke + quartz-(tourmaline) vein	I766582	0.00															
I766583	604.40	605.00	0.60	Shoulder	I766583	0.00															
I766584	618.00	618.80	0.80	Shoulder	I766584	0.00															
I766585	618.80	619.70	0.90	Series of cm-thick quartz vein + tr diss pyrite; tr CPY	I766585	0.00															
I766586	619.70	620.60	0.90	Shoulder	I766586	0.00															

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-38X-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	929m
START DATE:		Line 9+33E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
638.00	**682.40**	**Mafic volcanic rock**
		Chlorite-rich. Massive flow/flow breccia/glaumeropophyric (locally); including carbonate veinlets/tension gashes
642.18	642.36	Pegmatite dyke; pervasive carbonate alteration
645.34	645.56	Quartz-chlorite vein (15TCA) + pyrite stringers asociated along edges; 2-3% pyrite
662.26	662.31	A 4cm-thick quartz-pyrite vein; 30TCA. 5-10% pyrite
663.86	664.12	Granite dyke (epidotized)
674.85	675.40	Series of chlorite and chlorite-quartz veins (1cm-thick average; 15TCA). Trace pyrite with hematization associated along edges
682.40	**685.15**	**Altered mafic volcanic rock**
		Ankerite-sericite alteration (or bleaching?). Beige-greenish color. Uphole contact is gradational. Trace pyrite
683.30	683.60	Shear zone including 2-3% pyrite along plans
685.15	**707.27**	**Granite**
		Pervasive carbonate (ankerite) alteration giving the rock a beige-grey color. Locally tr-1% disseminated pyrite is associated
687.42	687.44	A 2cm-thick quartz vein; 80TCA
687.62	687.81	A 3cm-thick quartz vein; locally down-dip. 1-2% disseminated pyrite associated along edges
690.40	690.47	Series of two quartz veins or tension gashes (1cm-thick each)
690.95	691.06	A 6cm-thick pyrite-(quartz) vein; 25TCA. 10-15% pyrite
691.31	691.32	A 1cm-thick quartz vein; 30TCA
691.58	691.60	A 2cm-thick quartz vein; 45TCA
691.70	691.80	2-3% disseminated pyrite
692.41	692.46	A 5cm-thick quartz vein; 70TCA
692.86	692.90	A 3cm-thick quartz-chlorite vein; 25TCA
694.43	694.87	Quartz-(carbonate)-(chlorite) vein
696.85	705.00	Zone with cm-thick quartz-(carbonate) vein (30-50TCA) at a 50-100cm interval. Locally tr pyrite
707.18	707.18	Fine pyrite stringer; 45TCA
707.27	**710.47**	**Altered mafic volcanic rock**
		Ankerite-sericite alteration + hematization. Trace-1% pyrite. Locally weakly magnetic.
710.47	**714.74**	**Granite**
		Carbonate alteration + local hematization
711.10	711.12	1cm-thick quartz vein; 15TCA
714.74	**721.70**	**Mafic volcanic rock**
		Fine-grained; grey color. Local hematization; locally 1% euhedral pyrite
721.70	**725.70**	**Granite**
		Pervasive carbonate-silica alteration; dark grey color
723.75	723.78	A 2cm-thick quartz vein; 25TCA
723.89	724.07	Pegmatite dyke; sericite
725.25	725.70	Zone with pluri-mm to cm-thick carbonate vein at a 2 to 5cm interval; 45-60TCA
725.70	**734.00**	**Mafic volcanic rock**
		Fine-grained; grey color. Local carbonate alteration
725.98	726.04	Quartz vein + ankerite alteration associated along edges; 65TCA
727.14	727.50	Quartz-(carbonate)-(chlorite) vein; down-dip; partially broken core
729.06	730.42	Granite dyke; carbonate alteration
730.42	730.63	A 19cm-thick carbonate-quartz-(chlorite) vein; 40TCA
730.98	731.12	1-2% pyrite as fine stringers (60 and 25TCA)
731.25	731.29	A 3cm-thick quartz-pyrite vein; 25TCA. 10% pyrite
733.55	734.00	Ankerite-sericite alteration zone (and/or bleaching); including 3-4% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-38X-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	929m
START DATE:		Line 9+33E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
734.00	**737.78**	**Granite**
		Carbonate alteration; including cm-thick quartz veins at a 50cm to 75cm interval. 40-50TCA
734.52	734.54	A 1cm-thick quartz-pyrite veinlet; 20TCA
735.58	736.08	Mafic volcanic xenolith; pervasive ankerite-sericite alteration and/or bleaching.
736.39	736.40	A 0.5cm-thick quartz veinlet; 35TCA. 1-2% pyrite associated
737.52	737.57	A 5cm-thick quartz vein. 2% pyrite along edges. 45TCA
737.78	**760.12**	**Mafic volcanic rock**
		Grey color; locally carbonate alteration
738.00	739.16	Zone with pyrite stringers (0.5 to 1cm-thick; at a 10cm interval; 45TCA average
739.73	739.74	A 0.5cm-thick pyrite veinlet; 45TCA
740.51	740.58	A 5cm-thick quartz-(chlorite) vein; 45TCA. Tr-1% pyrite associated along edges
740.83	741.00	Quartz-pyrite vein; 20-25% pyrite; 40TCA
742.15	742.19	Quartz-(chlorite) vein; 25TCA
743.40	746.50	Zone with local Chalcopyrite occurrence (1-2% chalcopyrite)
744.00	744.19	Pegmatite dyke; Kspar-quartz-epidote
744.74	744.77	Series of two pyrite vein (0.5cm each; 55TCA)
750.19	750.25	A 2cm-thick quartz-chlorite-(hematite?) vein; 10TCA
750.50	750.90	Granite dyke; epidote and silica alteration
755.00	759.10	Zone with tr-1% disseminated pyrite and locally very fine pyrite stringers at a 20 to 50cm interval; 30-40TCA
758.75	759.02	A 0.5cm-thick quartz-hematite(?) vein; 15TCA
759.79	760.12	Granite/pegmatite dyke; pervasive silica alteration
760.12	**761.58**	**Altered mafic volcanic rock**
		Kspar and silica alteration. The alteration is most likely associated with a syenite dyke. Fracturing occurs with Kspar and carbonate (±hematite) associated.
760.88	761.23	Syenite dyke; down-dip
761.58	**783.77**	**Mafic volcanic rock/granite**
		Several granite dykes are injected into the chlorite-rich mafic volcanic rock. The dykes are usually less than 1m-thick. Granite has a pervasive carbonate-silica alteration.
763.15	765.28	Granite dyke (carbonate alteration). Dark grey color
765.38	765.69	Granite/pegmatite dyke
773.85	773.96	Carbonate-(quartz) vein; 30TCA
777.19	778.20	Granite dyke; carbonate alteration
783.77	**793.75**	**Granite**
		Pervasive carbonate alteration; dark grey color
793.75	**891.27**	**Mafic volcanic rock**
		Chlorite-rich; weak carbonate alteration; locally silicified
799.30	799.50	Carbonate vein/breccia vein
800.45	800.46	Pyrite veinlet; 45TCA
802.30	805.85	Zone with disseminated chalcopyrite; up to 1% chalcopyrite
803.55	803.57	A 2cm-thick pyrite vein; 75TCA
805.80	805.81	Thin pyrite stringer; 55TCA
806.65	810.00	Zone with disseminated chalcopyrite; up to 1% chalcopyrite
807.82	807.83	A 1cm-thick pyrite vein; 70TCA

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358425 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-38X-2010	EASTING:	451876 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	929m
START DATE:		Line 9+33E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
810.00	810.20																			Shear zone (40TCA) including pyrite vein parallel to shear (10% pyrite)
810.65	811.25																			Series of pyrite stringers (at a 15-20cm interval; 25TCA and down-dip)
818.64	818.68																			A 3cm-thick pyrite vein (60TCA) with ankerite and hematite alteration along edges
827.40	830.20																			Pervasive hematite-(silica?) alteration zone giving the rock a dark brownish-red color
830.20	848.00																			Zone with weak hematite-silica alteration. The zone included several carbonate-(specularite) veinlet/tension gashes at a 0.50m to 1m interval. Locally Kspar and/or hematite is associated along edges
843.10	844.50																			Granite dyke (Kspar-rich); locally down-dip. Pervasive carbonate-hematite alteration
848.48	848.55																			A 7cm-thick Calcite-Fluorite-chlorite vein; 60TCA
850.00	850.21																			Fine-grained granite dyke and/or aplite
850.88	851.00																			Granite dyke
851.98	853.39																			Granite dyke (epidotized) including large mafic xenoliths
855.12	855.13																			Hematite-carbonate vein (specularite); 60TCA
855.47	855.48																			Hematite-carbonate vein (specularite); 40TCA
858.05	858.09																			Hematite-carbonate vein (specularite); 40TCA
860.90	860.91																			A 1cm-thick quartz vein; 45TCA
865.04	865.19																			Aplite dyke; down-dip
865.75	865.87																			Aplite dyke; 40TCA
866.26	866.58																			Series of disrupted granite/aplite dyke
867.73	867.83																			Granite dyke; 30TCA
871.15	871.23																			tr-1% pyrite
873.11	873.46																			Weak shear zone; 25TCA
874.00	875.00																			Zone with 1% disseminated magnetite.
888.05	888.49																			Granite dyke; epidotized
890.51	890.80																			Granite dyke
891.27	**903.57**	**12.30**																		**QFP dyke**
																				Porphyry intrusion; grey color. Identical to xenoliths in the near-surface granite. Locally tr. Pyrite
902.66	902.67																			A 0.5cm-thick quartz-carbonate-chlorite veinlet (40TCA); including tr-1% pyrite along edges
903.57	**929.00**	**25.43**																		**Mafic volcanic rock**
																				Locally, epidotized (and/or bleaching)
918.50	918.55																			Quartz-carbonate veinlet + ankerite alteration along edges (45TCA); including 1-2% pyrite (euhedral disseminated grains)
929.00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	#VALUE!
HOLE NO:	CAR-38X-2010	**EASTING:**	451876 E, NAD83	**INCLINATION:**	#VALUE!
LOGGED BY:	Eric Hebert	**ELEVATION:**	#VALUE!	**FINAL DEPTH:**	#VALUE!
START DATE:	0.00			**CORE SIZE:**	#VALUE!
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Au	Au Check	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
J918591	644.50	645.25	0.75	shoulder	0.018			-0.2	2.29	13	-10	20	-0.5	-2	3.79	-0.5	15	1	12	5.34	10	-1	0.06	10	0.71	797	-1	0.07	3	830	-2	1.15	-2	5	45	-20	-0.01	-10	-10	9	-10	76
J918592	645.25	645.75	0.50	quartz vein + py along fracture	0.271			-0.2	1.74	19	-10	20	-0.5	-2	3.77	-0.5	13	2	3	4.77	-10	-1	0.06	10	0.64	747	-1	0.07	5	800	-2	1.83	-2	3	44	-20	-0.01	-10	-10	8	-10	55
J918593	645.75	646.35	0.60	shoulder	0.014			-0.2	2.64	5	-10	10	-0.5	2	3.96	-0.5	14	-1	39	5.68	10	-1	0.05	10	0.9	870	-1	0.08	1	890	-2	0.66	-2	6	43	-20	-0.01	-10	-10	10	-10	90
J918594	661.25	662.00	0.75	shoulder	0.012			-0.2	3.37	2	-10	10	-0.5	-2	5.43	-0.5	25	118	105	6.55	10	1	0.07	-10	1.41	1200	-1	0.05	55	440	-2	0.28	-2	12	48	-20	0.01	-10	-10	76	10	144
J918595	662.00	662.50	0.50	quartz-py vein	0.351			0.2	2.66	29	-10	20	-0.5	3	4.27	-0.5	14	22	77	5.2	10	-1	0.13	10	1.39	872	-1	0.04	29	990	-2	1.01	-2	7	33	-20	-0.01	-10	-10	30	-10	144
J918596	662.50	663.00	0.50	shoulder	0.015			-0.2	3.46	-2	-10	10	-0.5	-2	4.75	-0.5	18	9	79	7.26	10	-1	0.04	10	1.32	1065	-1	0.03	28	610	-2	0.25	-2	13	46	-20	0.01	-10	-10	38	10	150
J918597	681.40	682.40	1.00	shoulder	-0.005			-0.2	1.37	2	-10	20	-0.5	-2	3.81	-0.5	13	-1	27	4.92	-10	-1	0.07	10	0.82	854	12	0.08	10	1030	-2	0.16	-2	6	35	-20	-0.01	-10	-10	7	-10	63
J918598	682.40	683.30	0.90	alt mafic volc rock	0.016			-0.2	1.19	4	-10	20	-0.5	2	3.66	-0.5	14	-1	73	5.22	-10	-1	0.11	10	0.88	779	1	0.06	11	870	-2	0.37	-2	3	35	-20	-0.01	-10	-10	3	-10	65
J918599	682.40	682.40	0.00	Blank CAR-38-2010, B.31, 129.50-130.00	-0.005			-0.2	2.07	2	-10	40	-0.5	-2	3.4	-0.5	14	22	-1	3.63	10	-1	0.12	20	1.87	539	-1	0.06	20	1130	-2	-0.01	-2	6	40	-20	0.13	-10	-10	41	-10	63
J918600	682.40	682.40	0.00	Standard H	3.49			-0.2	1.28	-2	-10	90	0.7	2	0.58	-0.5	15	47	19	2.47	-10	-1	0.35	10	1.22	364	1	0.5	59	920	3	0.01	-2	1	121	-20	0.29	-10	-10	38	-10	33
J918601	683.30	683.80	0.50	Alt mafic vol rock + shear zone locally 2-3% py	0.033			2.2	0.79	13	-10	20	-0.5	17	4	-0.5	14	-1	92	4.76	-10	-1	0.11	-10	0.86	732	3	0.05	10	870	-2	0.55	2	2	43	-20	-0.01	-10	-10	2	-10	48
J918602	683.80	684.50	0.70	Alt mafic vol rock	-0.005			-0.2	0.7	2	-10	20	-0.5	-2	3.63	-0.5	11	-1	60	4.1	-10	-1	0.11	10	0.69	620	8	0.07	2	830	-2	0.16	-2	2	43	-20	-0.01	-10	-10	2	-10	43
J918603	684.50	685.15	0.65	Alt mafic vol rock	0.013			-0.2	1.01	6	-10	20	-0.5	2	3.5	-0.5	13	-1	75	4.67	-10	-1	0.11	10	0.79	600	-1	0.07	5	860	-2	0.2	-2	3	44	-20	-0.01	-10	-10	4	-10	63
J918604	685.15	686.25	1.10	granite carbonate altered	-0.005			-0.2	0.72	-2	-10	20	-0.5	-2	3.21	-0.5	10	12	23	3.25	-10	-1	0.09	20	0.96	551	-1	0.07	15	810	-2	0.07	-2	3	56	-20	-0.01	-10	-10	11	-10	47
J918605	686.25	687.30	1.05	granite carbonate altered	-0.005			-0.2	0.97	2	-10	20	-0.5	-2	3.23	-0.5	12	12	24	3.39	-10	-1	0.09	20	1.01	570	-1	0.07	18	880	-2	0.12	-2	3	57	-20	-0.01	-10	-10	14	-10	55
J918606	687.30	688.00	0.70	granite carbonate altered + 1-2% py	-0.005			-0.2	0.78	5	-10	20	-0.5	2	3.22	-0.5	11	11	12	3.46	-10	-1	0.09	10	0.99	568	-1	0.07	18	820	-2	0.24	-2	3	65	-20	-0.01	-10	-10	10	-10	51
J918607	688.00	689.00	1.00	granite carbonate altered	-0.005			-0.2	1.02	2	-10	20	-0.5	-2	3.63	-0.5	13	16	23	3.96	-10	-1	0.08	20	1.25	688	-1	0.07	21	1010	-2	0.14	2	4	70	-20	-0.01	-10	-10	16	-10	71
J918608	689.00	690.00	1.00	granite carbonate altered	-0.005			-0.2	1.16	-2	-10	20	-0.5	-2	3.44	-0.5	14	18	20	4.09	-10	-1	0.08	20	1.26	672	-1	0.07	23	1030	-2	0.08	-2	4	70	-20	-0.01	-10	-10	20	-10	77
J918609	690.00	690.75	0.75	granite carbonate altered	0.006			-0.2	1.04	3	-10	20	-0.5	-2	3.23	-0.5	13	15	23	3.81	-10	-1	0.09	20	1.14	622	-1	0.06	21	890	-2	0.11	-2	4	66	-20	-0.01	-10	-10	16	-10	68
J918610	690.75	691.25	0.50	py vein 10-15% py	5.67			59.5	0.82	119	-10	30	-0.5	383	3.02	1.1	13	8	233	6.95	-10	-1	0.13	10	0.94	506	8	0.06	27	910	46	4.77	-2	2	55	-20	-0.01	-10	-10	8	-10	70
J918611	691.25	692.00	0.75	granite carbonate altered locally 2-3% py	0.113			-0.2	0.83	11	-10	20	-0.5	2	3.53	-0.5	13	13	31	3.89	-10	-1	0.07	10	1.17	636	-1	0.07	23	1010	-2	0.47	-2	4	66	-20	-0.01	-10	-10	14	-10	58
J918612	692.00	693.00	1.00	granite carbonate altered	0.011			-0.2	0.88	5	-10	20	-0.5	-2	3.35	-0.5	12	14	13	3.67	-10	-1	0.07	20	1.13	611	-1	0.08	22	860	-2	0.14	-2	4	66	-20	-0.01	-10	-10	16	-10	61
J918613	693.00	694.00	1.00	granite carbonate altered + qtz veins	-0.005			-0.2	0.74	3	-10	20	-0.5	2	3.44	-0.5	11	11	9	3.5	-10	-1	0.07	20	1.13	611	-1	0.08	25	960	-2	0.08	-2	3	68	-20	-0.01	-10	-10	12	-10	57
J918614	694.00	695.00	1.00	granite carbonate altered + qtz veins	-0.005			-0.2	0.85	3	-10	10	-0.5	2	2.91	-0.5	15	19	11	3.9	-10	-1	0.05	10	1.13	580	-1	0.07	33	850	-2	0.11	-2	4	60	-20	-0.01	-10	-10	17	-10	69
J918615	706.00	706.75	0.75	shoulder	-0.005			-0.2	0.71	5	-10	20	-0.5	3	4.1	-0.5	13	11	35	3.73	-10	-1	0.07	20	1.31	690	-1	0.08	23	1050	-2	0.24	-2	4	69	-20	-0.01	-10	-10	14	-10	59
J918616	706.75	707.27	0.52	local py stringers	0.062			0.2	0.86	7	-10	20	-0.5	-2	3.84	-0.5	11	10	198	3.81	-10	-1	0.09	10	1.04	660	1	0.08	22	1080	-2	0.27	-2	3	58	-20	-0.01	-10	-10	13	-10	85
J918617	707.27	708.00	0.73	alt mafic vol rock tr-1% py	0.059			-0.2	0.6	12	-10	20	-0.5	2	4.17	-0.5	13	1	22	4.59	-10	-1	0.07	10	0.66	684	1	0.08	2	940	-2	0.74	-2	3	46	-20	-0.01	-10	-10	3	-10	60
J918618	708.00	709.00	1.00	alt mafic vol rock tr-1% py	-0.005			-0.2	0.64	3	-10	10	-0.5	-2	4.38	-0.5	10	1	15	4.11	-10	-1	0.04	10	0.56	585	-1	0.09	3	800	-2	0.12	-2	4	47	-20	-0.01	-10	-10	6	-10	49
J918619	709.00	709.75	0.75	alt mafic vol rock tr-1% py	-0.005			-0.2	1	5	-10	10	-0.5	-2	3.93	-0.5	14	-1	41	5.17	-10	-1	0.05	10	0.71	637	-1	0.09	1	820	-2	0.62	-2	4	43	-20	-0.01	-10	-10	6	-10	69
J918620	709.75	710.47	0.72	alt mafic vol rock tr-1% py	-0.005			-0.2	0.87	3	-10	10	-0.5	2	3.7	-0.5	13	1	15	4.96	-10	-1	0.04	10	0.71	663	1	0.09	1	790	-2	0.51	-2	4	43	-20	-0.01	-10	-10	6	-10	75
J918621	710.47	711.50	1.03	shoulder	-0.005			-0.2	0.84	3	-10	20	-0.5	-2	4.12	-0.5	14	14	9	4.23	-10	-1	0.06	20	1.21	724	-1	0.08	23	1010	-2	0.17	-2	5	61	-20	-0.01	-10	-10	15	-10	79
J918622	715.25	716.25	1.00	shoulder	-0.005			-0.2	1.1	-2	-10	20	-0.5	-2	3.92	-0.5	12	7	18	3.77	-10	-1	0.08	10	0.95	670	-1	0.08	12	880	-2	0.28	-2	4	54	-20	-0.01	-10	-10	10	-10	62
J918623	716.25	717.10	0.85	Mafic volcanic rock	-0.005			-0.2	2.38	-2	-10	10	-0.5	3	6.11	-0.5	34	65	50	6.37	10	-1	0.04	10	3.62	1160	-1	0.08	113	310	-2	0.04	-2	12	97	-20	-0.01	-10	-10	62	-10	103
J918624	716.25	716.25	0.00	Blank CAR-38-2010, B.31, 130.00 - 130.50	-0.005			-0.2	2.2	-2	-10	30	-0.5	-2	3.06	-0.5	14	28	-1	3.82	10	-1	0.1	20	1.94	555	-1	0.06	27	1080	-2	0.02	-2	6	34	-20	0.12	-10	-10	45	-10	71
J918625	716.25	716.25	0.00	Standard L	0.079			-0.2	1.66	2	-10	60	0.8	3	0.73	-0.5	19	55	27	3.1	10	-1	0.36	10	1.44	446	-1	0.62	76	1060	5	0.03	-2	1	177	-20	0.4	-10	-10	49	-10	41
J918626	717.10	717.80	0.70	locally 1-2% py	-0.005			0.2	1.62	2	-10	20	-0.5	-2	4.44	-0.5	17	22	27	4.62	10	-1	0.06	10	1.58	803	-1	0.07	37	510	-2	0.12	-2	5	60	-20	-0.01	-10	-10	21	-10	81
J918627	717.80	718.50	0.70	shoulder	-0.005			-0.2	1.9	4	-10	20	-0.5	-2	4.26	-0.5	12	1	-1	4.74	10	-1	0.08	10	0.94	674	-1	0.07	1	760	-2	0.16	-2	3	56	-20	-0.01	-10	-10	5	-10	85
J918628	718.50	719.00	0.50	local py stringes	-0.005			-0.2	1.7	3	-10	10	-0.5	2	3.68	-0.5	13	1	13	4.67	10	1	0.06	10	0.91	621	-1	0.08	-1	730	-2	0.18	-2	3	47	-20	-0.01	-10	-10	7	-10	76
J918629	730.20	730.80	0.60	shoulder	0.013			-0.2	2.09	3	-10	10	-0.5	-2	11.1	-0.5	11	6	9	3.41	10	-1	0.07	10	1.07	1540	2	0.05	13	610	-2	0.14	-2	6	160	-20	-0.01	-10	-10	12	-10	47
J918630	730.80	731.40	0.60	series of py stringers and qtz-py veins	>10.0		9.95	2.9	2.13	70	-10	20	-0.5	7	2.68	-0.5	18	1	80	6.06	10	-1	0.12	-10	0.96	381	-1	0.05	5	880	-2	3.32	-2	2	29	-20	-0.01	-10	-10	6	-10	68
J918631	731.40	732.45	1.05	shoulder	0.061			-0.2	2.68	17	-10	10	-0.5	2	4.15	-0.5	13	1	11	5.13	10	-1	0.09	10	0.97	526	-1	0.07	1	780	-2	0.33	-2	3	43	-20	-0.01	-10	-10	7	-10	99
J918632	732.45	733.45	1.00	shoulder	0.008			-0.2	2.55	7	-10	10	-0.5	2	5.06	-0.5	13	1	4	4.86	10	1	0.08	10	0.8	599	2	0.07	-1	800	-2	0.2	-2	3	56	-20	-0.01	-10	-10	5	-10	74
J918633	733.45	734.00	0.55	locally 3-4% dis py	0.032			-0.2	1.7	3	-10	10	-0.5	2	4.55	-0.5	17	1	37	4.57	10	-1	0.08	10	0.75	662	18	0.08	-1	850	-2	0.74	-2	3	50	-20	-0.01	-10	-10	4	-10	61
J918634	734.00	734.75	0.75	local py-qtz veinlets	0.249			-0.2	0.94	13	-10	20	-0.5	-2	3.34	-0.5	11	11	84	3.65	-10	-1	0.09	10	1	615	1	0.07	18	860	-2	0.51	-2	4	46	-20	-0.01	-10	-10	15	-10	54
J918635	734.75	735.58	0.83	shoulder	0.007			-0.2	1.01	2	-10	20	-0.5	-2	3.59	-0.5	12	12	50	3.51	-10	-1	0.09	10	1.07	593	-1	0.08	23	950	-2	0.1	-2	4	47	-20	-0.01	-10	-10	14	-10	59
J918636	735.58	736.08	0.50	mafic xenolith	-0.005			-0.2	1.92	5	-10	10	-0.5	-2	5.3	-0.5	24	42	24	5.89	10	-1	0.06	10	2.5	1050	5	0.07	55	470	-2	0.09	-2	8	70	-20	-0.01	-10	-10	38	-10	106
J918637	736.08	737.00	0.92	shoulder	0.078			-0.2	1.06	-2	-10	20	-0.5	2	3.32	-0.5	10	11	48	3.2	-10	-1	0.09	10	0.89	583	-1	0.06	17	830	-2	0.2	-2	2	36	-20	-0.01	-10	-10	10	-10	48
J918638	737.00	737.78	0.78	local qtz vein + pyrite along edges	0.724			0.2	1.57	13	-10	20	-0.5	2	4.13	-0.5	10	8	133	3.37	-10	-1	0.11	10	0.85	579	-1	0.05	16	980	-2	0.64	-2	2	48	-20	-0.01	-10	-10	7	-10	43
J918639	737.78	738.50	0.72	series of py stringers	>10.0		10.15	2.9	2.77	31	-10	20	-0.5	5	2.85	-0.5	6	2	239	6.82	10	-1	0.11	-10	1.07	457	-1	0.05	4	930	-2	2.29	-2	3	47	-20	-0.01	-10	-10	9	-10	91
J918640	738.50	739.20	0.70	series of py stringers	4.26	4.24		0.5	2.68	46	-10	20	-0.5	6	2.45	-0.5	12	1	356	7.94	10	-1	0.13	-10	1	458	-1	0.05	2	770	-2	3.84	-2	2	40	-20	-0.01	-10	-10	7	-10	85
J918641	739.20	739.85	0.65	local py veinlets	0.474	0.538		0.3	2.7	10	-10	20	-0.5	-2	3.88	-0.5	15	-1	85	5.78	10	1	0.09	-10	1.16	652	-1	0.04	1	930	-2	0.82	-2	3	49	-20	-0.01	-10	-10	7	-10	86
J918642	739.85	740.75	0.90	shoulder	0.007	0.008		-0.2	2.63	2	-10	20	-0.5	-2	3.23	-0.5	12	-1	31	5.14	10	-1	0.1	-10	1.14	602	-1	0.04	-1	800	-2	0.26	-2	3	36	-20	-0.01	-10	-10	6	-10	76
J918643	740.75	741.25	0.50	qtz-py vein 20-25%	8.47	9.46		0.7	1.82	150	-10	20	-0.5	11	2.63	-0.5	14	-1	110	7.72	-10	-1	0.12	-10	0.73	478	1	0.04	2	730	-2	5.7	-2	2	26	-20	-0.01	-10	-10	5	-10	74
J918644	741.25	742.25	1.00	shoulder	0.009	0.013		-0.2	2.67	2	-10	10	-0.5	-2	1.59	-0.5	12	-1	61	5.04	10	1	0.09	10	1.36	480	1	0.04	-1	800	-2	0.11	-2	3	18	-20	-0.01	-10	-10	7	-10	72
J918645	742.25	743.40	1.15	shoulder	0.016			-0.2	3.28	4	-10	10	-0.5	-2	0.63	-0.5	20	-1	156	6.36	10	-1	0.08	10	1.85	414	4	0.04	-1	860	-2	0.26	-2	3	11	-20	-0.01	-10	-10	9	-10	84
J918646	743.40	744.30	0.90	shoulder	-0.005			-0.2	2.6	5	-10	10	-0.5	2	0.72	-0.5	13	1	446	5.24	10	-1	0.07	10	1.44	381	1	0.03	1	480	-2	0.29	-2	3	11	-20	-0.01	-10	-10	11	-10	69
J918647	744.30	745.00	0.70	local py stringers + 1% cpy	0.108			0.2	4.71	-2	-10	10	-0.5	4	2.46	-0.5	19	-1	1350	9.52	20	-1	0.08	-10	2.81	891	1	0.02	-1	830	-2	1	-2	6	16	-20	0.01	-10	-10	29	-10	118
J918648	745.00	746.00	1.00	1% cpy	0.005			-0.2	2.58	3	-10	10	-0.5	3	0.86	-0.5	14	-1	616	5.1	10	-1	0.07	10	1.39	405	3	0.05	-1	690	-2	0.22	-2	3	9	-20	-0.01	-10	-10	12	-10	66
J918649	745.00	745.00	0.00	Blank CAR-38-2010, B.31, 130.50-131.00	-0.005			-0.2	1.78	2	-10	20	-0.5	2	3.07	-0.5	12	20	4	3.39	10	-1	0.09	20	1.58	504	-1	0.05	19	960	-2	-0.01	-2	5	34	-20	0.1	-10	-10	37	-10	61
J918650	745.00	745.00	0.00	Standard H	3.58			-0.2	1.15	2	-10	80	0.7	2	0.52	-0.5	13	44	19	2.36	10	-1	0.31	10	1.11	343	1	0.49	55	830	3	0.01	5	1	107	-20	0.27	-10	-10	34	-10	32
J918651	746.00	746.50	0.50	local py stringers + 1% cpy	0.03			0.3	1.94	4	-10	10	-0.5	-2	0.8	-0.5	48	1	511	4.53	10	-1	0.05	20	1.16	342	3	0.05	-1	830	2	1.09	-2	3	10	-20	-0.01	-10	-10	13	-10	47
J918652	746.50	747.25	0.75	shoulder	0.005			-0.2	3.61	2	-10	10	-0.5	4	0.59	-0.5	19	-1	10	7.16	10	1	0.1	10	2.07	464	-1	0.04	-1	870	-2	0.18	-2	4	8	-20	-0.01	-10	-10	14	-10	93
J918653	755.00	756.00	1.00	tr-1% py	-0.005			0.2	1.85	3	-10	10	-0.5	-2	2.59	-0.5	11	-1	7	4.24	10	-1	0.09	10	0.77	473	3	0.06	-1	710	-2	0.26	-2	2	25	-20	-0.01	-10	-10	6	-10	30
J918654	756.00	757.00	1.00	tr-1% py	0.018			-0.2	2.73	3	-10	10	-0.5	-2	1.62	-0.5	17	23	25	5.91	10	-1	0.11	10	1.18	441	27	0.06	6	880	-2	0.41	-2	3	18	-20	0.01	-10	-10	13	-10	57
J918655	757.00	758.00	1.00	tr-1% py	0.017			-0.2	2.43	4	-10	10	-0.5	2	2.45	-0.5	15	-1	7	5.39	10	-1	0.11	10	0.99	466	4	0.07	-1	810	-2	0.65	-2	3	22	-20	-0.01	-10	-10	8	-10	50
J918656	758.00	759.10	1.10	tr-1% py	-0.005			-0.2	2.03	3	-10	20	-0.5	2	3.78	-0.5	11	-1	15	4.64	10	-1	0.12	10	0.77	551	-1	0.06	-1	850	-2	0.09	-2	2	33	-20	-0.01	-10	-10	7	-10	42
J918657	759.10	760.12	1.02	shoulder	-0.005			-0.2	1.8	2	-10	10	-0.5	2	2.45	-0.5	10	3	12	3.37	10	-1	0.09	20	1	397	3	0.05	2	670	-2	0.13	-2	3	30	-20	-0.01	-10	-10	12	-10	40
J918658	760.12	760.80	0.68	alt mafic volc rock	0.622			0.2	1.26	3	-10	-10	0.7	8	4.38	-0.5	6	-1	1	2.72	10	-1	0.01	10	0.63	348	-1	0.09	-1	950	5	1.52	-2	6	140	-20	0.01	-10	10	24	-10	32
J918659	760.80	761.58	0.78	syenite dyke	0.392			-0.2	1.87	-2	-10	10	-0.5	3	2.71	-0.5	8	-1	-1	3.84	10	-1	0.04	10	1.41	334	-1	0.07	3	860	-2	0.97	-2	4	82	-20	0.01	-10	-10	43	-10	37
J918660	800.00	800.75	0.75	local py stringers	-0.005			-0.2	4.72	5	-10	10	-0.5	4	2.27	-0.5	32	-1	5	7.76	20	1	0.07	10	3.41	936	4	0.04	-1	1320	-2	0.24	-2	8	13	-20	0.01	-10	-10	34	-10	140
J918661	800.75	802.00	1.25	shoulder	-0.005			-0.2	2.85	2	-10	10	-0.5	3	5.55	-0.5	13	-1	13	4.92	10	-1	0.07	20	1.6	854	1	0.05	-1	1010	-2	0.04	-2	6	35	-20	0.01	-10	-10	18	-10	85
J918662	802.00	803.00	1.00	local diss cpy	-0.005			0.2	3.36	2	-10	20	-0.5	4	4.62	-0.5	15	-1	1250	6.55	10	-1	0.08	10	1.71	860	-1	0.05	-1	960	2	0.22	-2	6	36	-20	0.01	-10	-10	18	-10	102
J918663	803.00	803.70	0.70	local py vein	0.272			0.2	3.22	10	-10	10	-0.5	5	5.99	-0.5	16	-1	362	6.53	10	1	0.07	10	1.68	982	13	0.05	-1	950	2	0.69	-2	6	43	-20	0.01	-10	-10	20	-10	103
J918664	803.70	804.80	1.10	local 1% diss cpy	-0.005			-0.2	3.37	2	-10	20	-0.5	2	5.39	-0.5	13	-1	478	6.39	20	-1	0.08	10	1.67	904	1	0.05	-1	970	-2	0.13	-2	6	42	-20	0.01	-10	-10	18	-10	108
J918665	804.80	805.85	1.05	local py stringers	0.011			-0.2	2.98	7	-10	20	-0.5	4	4.35	-0.5	15	-1	640	5.72	10	-1	0.07	10	1.6	787	4	0.06	-1	900	-2	0.34	-2	5	34	-20	0.01	-10	-10	16	-10	93
J918666	805.85	806.65	0.80	shoulder	-0.005			-0.2	3.13	4	-10	10	-0.5	3	5.19	-0.5	17	-1	136	5.66	10	-1	0.07	10	1.71	887	6	0.06	-1	930	-2	0.26	-2	6	35	-20	0.01	-10	-10	18	-10	93
J918667	806.65	807.50	0.85	local py stringers + 1% diss cpy	-0.005			0.5	2.59	2	-10	10	-0.5	2	6.04	-0.5	16	-1	2260	4.87	10	-1	0.06	30	1.35	865	3	0.05	-1	940	-2	0.39	-2	6	44	-20	0.01	-10	-10	17	-10	74
J918668	807.50	808.00	0.50	local py veinlets	0.024			0.4	3.26	5	-10	10	-0.5	7	3.47	-0.5	26	-1	19	6.23	10	1	0.08	10	2.12	793	69	0.06	1	1120	-2	1	-2	5	24	-20	0.01	-10	-10	23	-10	94
J918669	808.00	809.00	1.00	shoulder	-0.005			0.3	2.84	4	-10	10	-0.5	2	5.39	-0.5	13	-1	1300	5.02	10	1	0.07	10	1.58	820	10	0.06	1	920	-2	0.19	2	5	35	-20	0.01	-10	-10	17	-10	81
J918670	809.00	810.00	1.00	1% cpy as stringer and diss grains	0.011			0.5	3.69	4	-10	20	-0.5	3	4.89	-0.5	16	-1	2170	6.34	10	-1	0.12	10	2.23	900	8	0.04	-1	990	-2	0.29	-2	4	43	-20	0.01	-10	-10	18	-10	119
J918671	810.00	810.50	0.50	shear zone including py veinlets	1.19			1	3.27	51	-10	80	-0.5	7	4.34	-0.5	20	-1	5790	8.57	10	1	0.13	20	1.84	783	17	0.02	-1	1090	4	3.59	-2	3	38	-20	-0.01	-10	-10	15	-10	113
J918672	810.50	811.50	1.00	series of py veinlets and stringers	1.895			1.3	3.17	116	-10	20	-0.5	16	4.62	-0.5	17	-1	824	7.49	10	-1	0.12	10	1.54	811	58	0.03	-1	1060	5	1.98	-2	3	36	-20	0.01	-10	-10	15	-10	132
J918673	811.50	812.00	0.50	shoulder	0.366			-0.2	3.11	4	-10	10	-0.5	2	5.17	-0.5	14	-1	100	6.31	10	-1	0.07	20	1.38	891	-1	0.04	-1	960	-2	0.16	-2	5	38	-20	0.01	-10	-10	15	-10	101
J918674	811.50	811.50	0.00	Blank CAR-38-2010, B.32, 131.00 - 131.50	-0.005			-0.2	1.83	3	-10	20	-0.5	-2	2.62	-0.5	12	20	2	3.53	10	-1	0.08	20	1.74	516	-1	0.06	21	970	-2	0.01	-2	6	30	-20	0.1	-10	-10	36	-10	61
J918675	811.50	811.50	0.00	Standard L	0.078			-0.2	1.47	3	-10	50	0.8	-2	0.66	-0.5	17	51	25	2.9	-10	1	0.34	10	1.3	417	1	0.58	66	980	3	0.01	2	1	150	-20	0.37	-10	-10	45	-10	38

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358425 N, NAD83	**AZIMUTH:**	#VALUE!
HOLE NO:	CAR-38X-2010	**EASTING:**	451876 E, NAD83	**INCLINATION:**	#VALUE!
LOGGED BY:	Eric Hebert	**ELEVATION:**	#VALUE!	**FINAL DEPTH:**	#VALUE!
START DATE:	0.00			**CORE SIZE:**	#VALUE!
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Au	Au Check	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Th	Ti	Tl	U	V	W	Zn
J918676	818.00	818.50	0.50	shoulder	0.127			0.2	2.08	4	-10	-10	1	5	4.05	-0.5	10	-1	16	4.54	10	-1	0.01	-10	0.85	577	-1	0.07	-1	880	-2	0.84	-2	9	44	-20	0.01	-10	-10	20	-10	62
J918677	818.50	819.00	0.50	py vein	7.61			2.1	1.91	45	-10	-10	-0.5	13	4.35	-0.5	12	-1	114	6.08	10	-1	0.02	-10	0.82	517	2	0.07	-1	820	9	3.73	2	7	89	-20	0.01	-10	-10	18	-10	58
J918678	819.00	819.50	0.50	shoulder	0.039			-0.2	1.92	5	-10	-10	0.6	8	4.49	-0.5	8	-1	30	4.18	10	-1	0.01	10	0.81	600	1	0.07	-1	900	-2	0.83	-2	8	60	-20	0.01	-10	-10	19	-10	59
J918679	827.40	828.35	0.95	pervaisive hem-sil altered mafic volca	0.017			-0.2	2.25	2	-10	-10	-0.5	-2	3.25	-0.5	13	-1	1	6.25	10	-1	0.02	10	1.03	706	-1	0.07	-1	910	-2	0.43	-2	8	26	-20	0.03	-10	-10	39	-10	62
J918680	828.35	829.30	0.95	pervaisive hem-sil altered mafic volca	-0.005			-0.2	2.19	5	-10	-10	-0.5	-2	1.96	-0.5	13	-1	2	5.88	10	-1	0.01	20	1.01	650	-1	0.08	-1	930	2	0.18	-2	7	18	-20	0.03	-10	-10	27	-10	65
J918681	829.30	830.30	1.00	pervaisive hem-sil altered mafic volca	-0.005			-0.2	2.07	2	-10	10	-0.5	-2	2.25	-0.5	11	1	4	5.91	10	-1	0.01	10	0.93	639	-1	0.04	-1	1020	-2	0.17	-2	8	25	-20	0.03	-10	-10	31	-10	59
J918682	848.20	848.70	0.50	a 7cm thick calcite-fluorite vein	-0.005			0.2	8.36	-2	-10	10	-0.5	-2	6.04	-0.5	53	186	2	11.4	30	-1	0.03	-10	6.2	1520	-1	-0.01	146	300	-2	0.84	-2	28	100	-20	0.01	-10	-10	151	-10	213
J918683	890.25	891.27	1.02	shoulder	-0.005			-0.2	1.54	-2	-10	30	-0.5	-2	0.73	-0.5	11	8	29	3.11	10	-1	0.06	10	0.67	407	-1	0.02	6	760	-2	-0.01	-2	2	29	-20	0.14	-10	-10	12	-10	49
J918684	891.27	892.00	0.73	QFP	-0.005			-0.2	0.99	-2	-10	20	-0.5	-2	0.74	-0.5	7	15	3	1.62	-10	-1	0.04	10	0.51	215	-1	0.02	8	430	-2	-0.01	-2	1	33	-20	0.09	-10	-10	16	-10	24
J918685	892.00	893.00	1.00	QFP	-0.005			-0.2	0.89	-2	-10	30	-0.5	2	0.86	-0.5	6	12	2	1.41	-10	-1	0.06	10	0.43	168	-1	0.02	6	410	-2	-0.01	-2	1	35	-20	0.07	-10	-10	12	-10	22
J918686	893.00	894.00	1.00	QFP	0.005			-0.2	0.89	-2	-10	30	-0.5	-2	1.01	-0.5	6	12	2	1.49	-10	-1	0.06	10	0.42	147	-1	0.02	6	400	-2	-0.01	-2	1	34	-20	0.07	-10	-10	13	-10	20
J918687	894.00	895.00	1.00	QFP	-0.005			-0.2	0.9	-2	-10	30	-0.5	-2	1.12	-0.5	5	11	1	1.49	-10	-1	0.07	10	0.42	149	-1	0.02	7	410	-2	-0.01	-2	1	36	-20	0.07	-10	-10	13	-10	18
J918688	895.00	896.00	1.00	QFP	-0.005			-0.2	0.92	-2	-10	30	-0.5	-2	1.45	-0.5	5	11	1	1.58	-10	-1	0.08	10	0.41	153	-1	0.02	6	410	-2	-0.01	-2	1	36	-20	0.07	-10	-10	11	-10	18
J918689	896.00	897.00	1.00	QFP	-0.005			-0.2	0.91	-2	-10	30	-0.5	-2	1.65	-0.5	5	9	1	1.62	-10	-1	0.09	10	0.41	153	-1	0.02	6	410	-2	-0.01	-2	1	34	-20	0.04	-10	-10	11	-10	18
J918690	897.00	898.00	1.00	QFP	-0.005			-0.2	0.91	-2	-10	20	-0.5	-2	1.63	-0.5	6	8	1	1.66	-10	-1	0.09	10	0.42	158	-1	0.01	6	420	-2	-0.01	-2	1	33	-20	0.02	-10	-10	10	-10	19
J918691	898.00	899.00	1.00	QFP	-0.005			-0.2	0.9	-2	-10	20	-0.5	-2	2.11	-0.5	5	8	1	1.62	-10	-1	0.09	10	0.41	169	-1	0.02	6	410	-2	-0.01	-2	1	39	-20	-0.01	-10	-10	9	-10	19
J918692	899.00	900.00	1.00	QFP	0.01			-0.2	0.94	-2	-10	30	-0.5	-2	1.9	-0.5	5	9	1	1.68	-10	-1	0.09	10	0.43	161	-1	0.01	6	430	-2	-0.01	-2	1	33	-20	-0.01	-10	-10	9	-10	20
J918693	900.00	901.00	1.00	QFP	-0.005			-0.2	0.93	-2	-10	30	-0.5	-2	1.6	-0.5	6	9	1	1.63	-10	-1	0.08	10	0.43	147	-1	0.02	6	410	-2	-0.01	-2	1	36	-20	0.01	-10	-10	12	-10	18
J918694	901.00	902.00	1.00	QFP	-0.005			-0.2	0.98	-2	-10	30	-0.5	-2	1.74	-0.5	6	9	2	1.7	-10	-1	0.08	10	0.45	161	-1	0.02	6	430	-2	-0.01	-2	1	34	-20	-0.01	-10	-10	11	-10	21
J918695	902.00	903.00	1.00	QFP	-0.005			-0.2	0.95	-2	-10	20	-0.5	-2	1.84	-0.5	6	9	1	1.7	-10	-1	0.08	10	0.44	181	-1	0.02	6	430	-2	-0.01	-2	1	32	-20	0.01	-10	-10	10	-10	22
J918696	903.00	903.57	0.57	QFP	-0.005			-0.2	1.02	-2	-10	20	-0.5	-2	1.36	-0.5	6	10	1	1.78	-10	-1	0.07	10	0.44	193	-1	0.02	6	420	-2	-0.01	-2	1	27	-20	0.04	-10	-10	10	-10	23
J918697	903.57	904.25	0.68	shoulder	-0.005			-0.2	2.1	-2	-10	40	-0.5	-2	3.24	-0.5	13	2	6	4.31	10	-1	0.13	20	0.76	598	-1	0.01	3	870	-2	-0.01	-2	2	30	-20	0.01	-10	-10	7	-10	54
J918698	917.50	918.25	0.75	shoulder	0.005			0.2	2.42	-2	-10	20	-0.5	-2	2.26	-0.5	12	2	11	5.32	10	-1	0.07	10	0.73	1090	-1	0.02	4	830	-2	-0.01	-2	5	26	-20	0.01	-10	-10	13	-10	106
J918699	917.50	917.50	0.00	Blank CAR-38-2010, B. 32, 131.50 - 132.00	0.005			-0.2	1.89	2	-10	20	-0.5	-2	3.06	-0.5	12	21	1	3.3	10	-1	0.07	10	1.74	551	-1	0.02	23	1060	-2	-0.01	-2	5	32	-20	0.09	-10	-10	34	-10	63
J918700	917.50	917.50	0.00	Standard H	3.54			-0.2	1.28	-2	-10	90	0.7	3	0.55	-0.5	14	46	20	2.38	-10	-1	0.32	10	1.16	366	1	0.47	58	910	4	-0.01	-2	1	116	-20	0.29	-10	-10	36	-10	34
J918701	918.25	918.75	0.50	carb-qtz vein + ank-py alt along edges	0.322			0.2	2.01	5	-10	60	-0.5	-2	3.19	-0.5	11	2	5	4.48	10	-1	0.1	10	0.57	872	3	0.02	3	840	-2	0.34	-2	4	37	-20	-0.01	-10	-10	8	-10	75
J918702	918.75	919.50	0.75	shoulder	-0.005			-0.2	2.29	-2	-10	20	-0.5	-2	2.07	-0.5	11	1	4	4.96	10	-1	0.08	10	0.65	974	-1	0.02	1	880	-2	-0.01	-2	4	24	-20	0.01	-10	-10	9	-10	109

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357313 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-39-2010	EASTING:	451926 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	211m
START DATE:	April 8th 2010	Line 3+50S; Station 9+50E		CORE SIZE:	NQ
FINISH DATE:	April 10th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	2,50	2,50	OB																	Casing/Overburden; casing at 27m
2,50	211,00	208,50																		Granite
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Locally carbonate-geothite veinlets near the surface
3,65	9,59																			Pervasive carbonate alteration (light grey color); locally shear/schistosity (35TCA)
7,63	8,24																			Shear zone + carbonate veining (35TCA)
19,40	19,41																			A 1cm-thick quartz vein + hematite alteration along the edges (85TCA)
22,56	22,67																			1-2% pyrite along micro-fractures and calcite stringers; 80TCA
23,64	23,93																			Carbonate alteration zone including 2-3% pyrite along micro-fractures and calcite stringers
27,22	27,81																			Carbonate alteration zone (grey color)
29,65	30,85																			Carbonate alteration zone (grey color)
29,90	29,93																			A 2cm-thick quartz-chlorite-carbonate vein; 20TCA
30,70	30,73																			A 2cm-thick quartz-chlorite-carbonate vein; 20TCA
34,50	34,92																			Carbonate-silica alteration zone; tr pyrite.
35,74	36,09																			Strong carbonate-silica alteration zone; tr pyrite
36,58	36,62																			A 4cm-thick quartz vein; 85TCA
51,44	51,70																			Strong carbonate-silica alteration zone; tr pyrite
54,78	55,70																			Zone with late calcite-geothite filled fractures
58,35	67,28																			Pervasive carbonate alteration (light grey color); including carbonate tension fractures; Both contacts are gradational
82,52	82,56																			A 4cm-thick carbonate-chlorite-(quartz) vein;80TCA
94,53	94,60																			A 5cm-thick quartz-chlorite vein; 35TCA
106,40	118,76																			Carbonate alteration zone (light grey color)
106,40	107,15																			Strong and pervasive carbonate alteration zone; including calcite-pyrite veinlets/tension fractures(?); tr-1% pyrite
109,45	110,15																			Strong carbonate (ank?)-silica alteration zone; including 3-4% pyrite as vein (cm-thick at a 5 to 10cm interval; 35 to 50TCA)
111,45	113,40																			Strong sericite alteration zone (sheared and/or schistosity well-developed due to sericite). 1-2% pyrite along schistosity plans; 50TCA
112,13	112,33																			Series of quartz veinlets (~1cm-thick) at a 2 to 5cm interval; 50TCA
121,55	121,65																			Tr pyrite along micro-fractures
126,00	129,09																			Weak (but pervasive) carbonate alteration zone (light grey color); including local calcite tension fractures
127,72	127,74																			A 2cm-thick quartz and chlorite vein; 85TCA
128,70	128,72																			A 1cm-thick quartz vein; 60TCA
133,27	133,33																			A 4cm-thick aplite dyke
138,82	139,25																			Carbonate-silica alteration zone (grey color)
140,37	140,58																			A 8cm-thick chlorite-quartz vein + ankerite alteration along edges; 30TCA
149,07	149,11																			A 4cm-thick QFP dyke (pink color)
153,97	154,00																			A 3cm-thick quartz vein + silica alteration zone; 55TCA
155,92	159,66																			Carbonate alteration zone (medium-grey color)
159,00	159,23																			Quartz-(chlorite) vein; 65TCA
162,60	162,62																			A 1cm-thick quartz vein; 35TCA
163,27	163,31																			A 3cm-thick quartz vein; 60TCA
165,40	166,40																			Weak calcite-hematite alteration zone
165,57	165,61																			Quartz vein; broken core
169,10	170,70																			Carbonate-sericite alteration zone (schistosity well-developed; 40TCA); presence of calcite tension fractures (5%); tr disseminated PY
170,37	170,51																			Series of quartz-carbonate-chlorite veins; 40TCA; tr pyrite

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357313 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-39-2010	EASTING:	451926 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	211m
START DATE:	April 8th 2010	Line 3+50S; Station 9+50E		CORE SIZE:	NQ
FINISH DATE:	April 10th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
173,00	173,25																		
173,60	174,35																		
174,11	174,35																		
178,55	179,85																		
188,19	192,26																		
115,90	116,08																		
201,98	202,02																		
205,05	206,10																		
211,00	EOH																		

From	To	COMMENTS
173,00	173,25	2-3% pyrite as disseminated grains and stringers
173,60	174,35	Strong carbonate-silica alteration zone (dark grey color)
174,11	174,35	Up to 5% pyrite as vein and stringers; 65TCA
178,55	179,85	Carbonate-(hematite?) alteration zone including local down-dip pink calcite vein; tr pyrite as coarse euhedral grains
188,19	192,26	Pervasive carbonate-hematite alteration zone; pinkish grey color
115,90	116,08	A 6cm-thick quartz-biotite vein; 40TCA
201,98	202,02	A 2cm-thick quartz vein; 35TCA
205,05	206,10	Strong carbonate alteration zone (5% carbonate); tr pyrite
211,00	EOH	

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357313 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-39-2010	**EASTING:**	451926 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	211m
START DATE:	April 8th 2010			**CORE SIZE:**	NQ
FINISH DATE:	April 10th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_I	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624309	22.20	22.70	0.50	tr-1% disseminated pyrite	G0624309	0.02															
G0624310	22.70	23.45	0.75	Shoulder	G0624310	0.00															
G0624311	23.45	23.95	0.50	1-2% pyrite	G0624311	2.67															
G0624312	23.95	24.75	0.80	Shoulder	G0624312	0.01															
G0624313	29.00	29.65	0.65	Shoulder	G0624313	0.00															
G0624314	29.65	30.15	0.50	2cm-thick quartz vein	G0624314	0.01															
G0624315	30.15	30.85	0.70	2cm-thick quartz vein	G0624315	0.00															
G0624316	30.85	31.60	0.75	Shoulder	G0624316	0.00															
G0624317	105.50	106.40	0.90	Shoulder	G0624317	0.00															
G0624318	106.40	107.15	0.75	tr-1% pyrite as stringers	G0624318	0.02															
G0624319	107.15	108.50	1.35	Shoulder	G0624319	0.00															
G0624320	108.50	109.45	0.95	Shoulder	G0624320	0.00															
G0624321	109.45	110.15	0.70	3-4% pyrite as veins	G0624321	0.29															
G0624322	110.15	111.45	1.30	Shoulder; tr pyrite	G0624322	0.00															
G0624323	111.45	111.95	0.50	1% disseminated pyrite	G0624323	0.04															
G0624324	111.95	111.95	0.00	Blank																	
G0624325	111.95	111.95	0.00	Standard-L																	
G0624326	111.95	112.60	0.65	2-3% disseminated pyrite + quartz veinlets	G0624326	0.27															
G0624327	112.60	113.40	0.80	Chlorite/sericite alteration zone	G0624327	0.11															
G0624328	113.40	114.50	1.10	Shoulder	G0624328	0.01															
G0624329	169.10	170.20	1.10	Shoulder	G0624329	0.00															
G0624330	170.20	170.70	0.50	Quartz veins + tr pyrite	G0624330	0.01															
G0624331	170.70	171.50	0.80	Shoulder	G0624331	0.00															
G0624332	171.50	173.00	1.50	Shoulder	G0624332	0.01															
G0624333	173.00	173.60	0.60		G0624333	0.01															
G0624334	173.60	174.35	0.75		G0624334	0.09															
G0624335	174.35	175.00	0.65	Shoulder	G0624335	0.02															
G0624336	204.00	205.05	1.05	Shoulder	G0624336	0.00															
G0624337	205.05	206.10	1.05	Strong carbonate alteration zone	G0624337	0.00															
G0624338	206.10	207.00	0.90	Shoulder	G0624338	0.00															

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357360 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-40-2010	EASTING:	451973 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	203m
START DATE:	April 10th 2010	Line 3+00S; Station 10+00E		CORE SIZE:	NQ
FINISH DATE:	April 12th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
0,00	**2,00**	**2,00**	**Casing/Overburden; casing at 27m**
2,00	**51,46**	**49,46**	**Granite**
			Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
			Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
2,48	2,70		Broken core
10,83	10,83		Tr pyrite
18,77	21,70		Pervasive carbonate-sericite alteration zone
18,92	19,60		Down-dip calcite-chlorite vein; 3cm-thick
24,68	25,90		Hematite-calcite alteration zone (pinkish color); including calcite tension fractures
28,44	28,45		A 1cm-thick quartz vein; 55TCA
32,87	33,48		Silica alteration zone associated with a series of low-angle quartz-chlorite veins; 10TCA; leucoxene associated
43,99	44,00		A 1cm-thick pyrite-quartz vein; 45TCA
47,63	47,64		A 1cm-thick quartz vein; 60TCA
49,20	51,46		Pervasive silica alteration zone (including tr-1% leucoxene) at the contact with QFP unit
51,46	**72,11**	**20,65**	**QFP**
			Light to dark yellowish grey color
52,79	52,80		A 1cm-thick calcite-pyrite vein; 3% pyrite; 30TCA
58,85	59,29		Rusty zone (weathering) associated with a quartz-biotite vein; 35TCA
61,70	61,80		Quartz-geothite vein; 30TCA
62,31	62,42		Rusty zone (weathering)
64,20	64,25		Rusty zone (weathering) associated with a 2cm-thick quartz vein; 55TCA
72,11	**203,00**	**130,89**	**Granite**
			Idem as previous granite unit
72,11	97,86		Silica-carbonate alteration zone (light grey color); tr disseminated pyrite
80,40	82,00		Sericite alteration zone; schistosity well-developed (10TCA); 1% pyrite along schistosity plans
80,51	80,53		Quartz vein; 40TCA
80,88	81,00		A 1cm-thick quartz vein; down-dip
81,13	81,14		Quartz vein; 40TCA
94,51	94,54		Quartz vein + hematite alteration along edges; 3cm-thick; 70TCA
103,00	131,68		Carbonate-silica alteration zone (dark grey color)
106,42	106,53		Series of micro-fractures including tr pyrite; 40TCA
124,10	128,30		Hematite-calcite alteration zone
135,10	203,00		Pervasive silica-carbonate alteration zone (gradational contacts)
136,10	136,22		Pegmatite/quartz vein; 25TCA; 7cm-thick
136,56	136,57		A 1cm-thick quartz vein; 60TCA
139,00	139,10		A 10cm-thick quartz-chlorite vein
144,56	145,10		Sericite-rich; schistosity well-developed (15TCA); including a 1cm-thick quartz vein.
153,95	154,49		1-2% pyrite as stringers; a strong silica alteration associated
154,75	155,45		1-2% pyrite as stringers; a strong silica alteration associated
157,15	159,60		Series of cm-thick pyrite-quartz veins/veinlets at a 15 to 40cm interval; various orientations
157,94	157,96		A 2cm-thick pyrite-quartz vein; 70TCA; 5% pyrite
160,66	161,50		Sericite-silica alteration zone (yellowish-green color); including tr pyrite
167,42	167,52		1-2% pyrite as disseminated grains and along micro-fractures/calcite stringers; 55TCA
168,15	168,40		2-3% pyrite as stringers/veinlets; 55TCA

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357360 N, NAD83	**AZIMUTH:**	270
HOLE NO:	CAR-40-2010	**EASTING:**	451973 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	203m
START DATE:	April 10th 201(	**Line 3+00S; Station 10+00E**		**CORE SIZE:**	NQ
FINISH DATE:	April 12th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
169,67	169,90																		
172,22	172,33																		
173,14	173,16																		
174,83	174,91																		
175,61	175,63																		
176,05	176,12																		
176,97	176,99																		
184,65	184,68																		
185,27	185,43																		
188,53	188,88																		
193,58	193,85																		
195,16	195,45																		
201,96	202,00																		
203,00	EOH																		

COMMENTS
Series of pyrite stringers (1% pyrite)
2-3% pyrite as disseminated grains and as stringers; 55TCA
2% pyrite along a 1cm-thick quartz vein; 40TCA
1-2% pyrite as fine stringers; 30TCA
A 1cm-thick pyrite semi-massive vein (+calcite); 45TCA
1% pyrite as fine stringers; 40TCA
1% pyrite as fine stringers; 40TCA
A 2cm-thick pyrite vein; 50TCA
1-2% disseminated pyrite
1% pyrite as disseminated grains and as stringers; 55TCA
1-2% disseminated pyrite + strong silica alteration associated
1% pyrite as disseminated grains and as stringers + strong silica alteration associated
A 3cm-thick quartz-chlorite/biotite vein; 60TCA

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357360 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-40-2010	**EASTING:**	451973 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	203m
START DATE:	April 10th 2010			**CORE SIZE:**	NQ
FINISH DATE:	April 12th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624342	43.40	43.90	0.50	Shoulder	G0624342	0.00															
G0624343	43.90	44.40	0.50	1cm-thick pyrite vein	G0624343	2.47															
G0624344	44.40	45.00	0.60	Shoulder	G0624344	0.00															
G0624345	52.00	52.50	0.50	Shoulder	G0624345	0.00															
G0624346	52.50	53.00	0.50	1cm-thick calcite-pyrite vein	G0624346	0.35															
G0624347	53.00	53.75	0.75	Shoulder	G0624347	0.00															
G0624401	79.50	80.40	0.90	Shoulder	G0624401	0.01															
G0624402	80.40	81.20	0.80	1-2% disseminated pyrite	G0624402	0.03															
G0624403	81.20	82.00	0.80	Shoulder	G0624403	0.01															
G0624404	143.75	144.50	0.75		G0624404	0.00															
G0624405	144.50	145.10	0.60		G0624405	0.00															
G0624406	145.10	146.00	0.90		G0624406	0.00															
G0624407	152.00	153.00	1.00	Shoulder	G0624407	0.00															
G0624408	153.00	153.95	0.95	1-2% disseminated pyrite	G0624408	0.02															
G0624409	153.95	154.75	0.80	Locally 2-3% pyrite as veinlets	G0624409	0.04															
G0624410	154.75	155.45	0.70	1% disseminated pyrite	G0624410	0.01															
G0624411	155.45	156.30	0.85	Shoulder	G0624411	0.01															
G0624412	156.30	157.15	0.85	Shoulder	G0624412	0.00															
G0624413	157.15	157.75	0.60	Locally 2-3% pyrite as veins (+quartz)	G0624413	0.11															
G0624414	157.75	158.25	0.50	Up to 5% pyrite in quartz vein	G0624414	1.04															
G0624415	158.25	158.75	0.50	Shoulder	G0624415	2.38															
G0624416	158.75	159.60	0.85	Locally 2-3% pyrite in the quartz vein	G0624416	0.60															
G0624417	159.60	160.50	0.90	Shoulder	G0624417	0.01															
G0624418	160.50	161.50	1.00	tr-1% disseminated pyrite; sericite alteration	G0624418	0.04															
G0624419	161.50	162.50	1.00	Shoulder	G0624419	0.00															
G0624420	162.50	163.25	0.75	Shoulder	G0624420	0.00															
G0624421	167.40	168.15	0.75		G0624421	0.01															
G0624422	168.15	168.65	0.50		G0624422	0.01															
G0624423	168.65	169.65	1.00		G0624423	0.01															
G0624424	169.65	169.65	0.00	Blank																	
G0624425	169.65	169.65	0.00	Standard-L																	
G0624426	169.65	170.50	0.85		G0624426	0.01															
G0624427	170.50	172.00	1.50	Shoulder	G0624427	0.00															
G0624428	172.00	172.50	0.50		G0624428	0.01															
G0624429	172.50	173.30	0.80		G0624429	0.01															
G0624430	173.30	174.50	1.20		G0624430	0.01															
G0624431	174.50	175.00	0.50		G0624431	0.00															
G0624432	175.00	175.55	0.55		G0624432	0.01															
G0624433	175.55	176.15	0.60		G0624433	0.03															
G0624434	176.15	177.00	0.85		G0624434	0.01															
G0624435	177.00	178.00	1.00	Shoulder	G0624435	0.02															
G0624436	183.50	184.30	0.80		G0624436	0.00															
G0624437	184.30	184.85	0.55		G0624437	0.03															
G0624438	184.85	185.50	0.65		G0624438	0.01															
G0624439	188.00	188.50	0.50		G0624439	0.00															

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357360 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-40-2010	**EASTING:**	451973 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	203m
START DATE:	April 10th 2010			**CORE SIZE:**	NQ
FINISH DATE:	April 12th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624440	188.50	189.00	0.50		G0624440	0.01														
G0624441	189.00	190.00	1.00		G0624441	0.00														
G0624442	192.50	193.25	0.75		G0624442	0.00														
G0624443	193.25	193.85	0.60		G0624443	0.01														
G0624444	193.85	195.00	1.15		G0624444	0.00														
G0624445	195.00	195.50	0.50		G0624445	0.01														
G0624446	195.50	196.30	0.80		G0624446	0.00														

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358298 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-41-2010	EASTING:	451690 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	356m
START DATE:	April 13th 201(	Line 7+50E; Station 6+65N		CORE SIZE:	NQ
FINISH DATE:	April 16th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**1,55**	**1,55**	**OB**																	**Casing/Overburden**
1,55	**50,70**	**49,15**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%). Locally magnetic where not altered.
13,96	14,08																			Quartz veinlets; 20TCA
21,87	21,93																			A 4cm-thick quartz vein + chlorite (and/or tourmaline); 50TCA
24,08	24,09																			A 1cm-thick quartz vein; 70TCA
24,33	24,36																			A 2cm-thick quartz vein; including 2-3% pyrite
25,52	25,61																			A 8cm-thick quartz vein + chlorite and tr tourmaline; 55TCA
26,75	26,80																			A 4cm-thick quartz vein + chlorite/biotite (and/or tourmaline?); 70TCA; tr pyrite
36,75	37,70																			Pervasive silica-sericite-(±hematite) alteration zone; presence of leucoxene
50,70	**54,20**	**3,50**																		**QFP**
																				Locally hematized + calcite tension fractures; locally sheared near the contact zone; 35TCA
54,20	**268,40**	**214,20**																		**Granite**
																				Idem as previous granite unit
54,21	54,36																			Heavily broken core; sheared zone at the uphole contact with QFP
54,36	55,23																			Carbonate alteration zone and partially broken core (contact zone)
65,44	66,05																			Hematite-sericite alteration zone
81,85	81,86																			A 1cm-thick quartz-tourmaline vein; 35TCA
83,95	83,96																			A 1cm-thick quartz-tourmaline vein; 45TCA
84,70	84,76																			A 5cm-thick quartz-tourmaline vein; 40TCA
84,87	84,88																			Quartz-carbonate vein; 50TCA
84,95	84,96																			Quartz-chlorite-tourmaline vein; 50TCA
91,53	91,57																			A 3cm-thick quartz vein; 45TCA. Locally dislocated by micro-fault
96,60	98,80																			Silica-carbonate-sericite alteration (schistosity well-developed); locally tr pyrite
97,60	97,68																			Quartz-chlorite vein; 60TCA; including tr-1% pyrite
108,36	108,39																			A 3cm-thick quartz-pyrite vein; 55TCA; 2-3% pyrite
109,58	109,67																			Carbonate-sericite-silica alteration zone associated with a mm-thick pyrite stringers; 25TCA
111,00	116,00																			Carbonate-sericite-silica alteration zone (locally disseminated pyrite along schistosity plan).
111,73	112,17																			Series of pyrite stringers (at a 5 to 15cm interval; 25TCA); 2-3% pyrite
117,18	117,34																			Series of two quartz veins (tr-1% PY) with hematite alteration along the edges; 25TCA
117,47	117,67																			Series of two pyrite stringers (20TCA) + hematite alteration along edges
118,35	118,41																			Silica-hematite alteration zone including tr-1% pyrite
119,13	119,93																			Series of micro-fractures with silica and/or hematite along edges; from 10 to 25TCA; at a 2 to 5cm interval
121,85	121,90																			1% pyrite as fine stringers; 60TCA
122,00	127,85																			Pervasive silica-(carbonate)-(sericite) alteration zone; dark grey color; tr-1% pyrite as local stringers
123,42	123,43																			A 0.5cm-thick quartz-pyrite vein (50TCA); with sericite-silica alteration strongly developed (+ schistosity: 50TCA)
123,50	123,51																			A 1cm-thick quartz-pyrite vein; 5% pyrite
123,56	123,77																			A 16cm-thick quartz-tourmaline-pyrite-(chlorite) vein; 50TCA; 5-10% pyrite (ZamZam vein)
127,85	129,47																			Pervasive and strong hematite-calcite alteration zone (orange-red color)
134,41	134,43																			A 2cm-thick quartz vein; 25TCA
136,00	136,75																			Carbonate-silica-sericite-(±hematite) alteration zone (grey-purple color); including local pyrite stringers

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358298 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-41-2010	EASTING:	451690 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	356m
START DATE:	April 13th 201(	Line 7+50E; Station 6+65N		CORE SIZE:	NQ
FINISH DATE:	April 16th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
136,04	136,04																				Pyrite-calcite stringer; 50TCA
136,63	136,69																				1-2% pyrite as stringers; 80TCA
140,16	140,18																				A 0.5cm-thick pyrite-quartz veinlets; 20TCA; + silica alteration zone (1cm-wide) along the edges. (3-4% pyrite).
141,26	141,29																				A 2cm-thick quartz-tourmaline vein; 70TCA
160,60	165,00																				Silica-carbonate-(sericite) alteration zone (grey color)
160,70	160,71																				A 1cm-thick quartz-pyrite vein; 50TCA; 2-3% pyrite.
160,99	161,08																				A 8cm-thick quartz-chlorite vein; 55TCA
164,87	164,96																				A 3cm-thick felsic dyke/vein (aplite?); 15TCA
166,36	166,58																				Series of two quartz-pyrite veinlets (70TCA; 0.5cm-thick each; at a 8cm interval) and two pyrite stringers (80TCA); silica alteration along edges
167,07	167,37																				Series of fine pyrite stringers (at a 15cm interval) + silica alteration along the edges; 60TCA
167,45	167,50																				Series of fine pyrite stringers (at a 15cm interval; 65TCA) + silica alteration.associated; 1-2% pyrite.
167,66	167,80																				Semi-massive pyrite in quartz veins and as disseminated grains along the edges; 60TCA
167,90	167,98																				A 8cm-thick felsic dyke + sericite alteration
168,37	168,38																				A 0.5cm-thick calcite-pyrite veinlets; 70TCA; 2-3% pyrite
168,48	168,59																				A 5cm-thick aplite dyke; 25TCA; with 1% pyrite along microfractures + sericite
168,69	168,70																				A 0.5cm-thick quartz-pyrite veinlets; 60TCA
172,28	172,77																				Weak silica-carbonate alteration zone; tr pyrite
173,97	177,68																				Silica-carbonate alteration zone including several calcite tension fractures (few mm-thick)
177,11	177,17																				A 2cm-thick quartz-chlorite-tourmaline vein; 30TCA
178,45	178,46																				Calcite-(pyrite) vein; 60TCA; ±hematized edges; 1% pyrite
184,72	184,75																				Tr-1% pyrite as stringers; 45TCA; carbonate-silica-(±hematite) alteration along edges
184,77	184,78																				A 1cm-thick quartz vein; 30TCA
185,39	185,39																				Pyrite stringers (tr-1% pyrite) + pluri-cm wide carbonate-silica alteration associated; 60TCA
186,00	186,16																				Carbonate-silica-(hematite) alteration zone including; 1% pyrite
187,40	199,05																				Pervasive carbonate-silica-(sericite) alteration zone giving the rock a greyish color; tr-1% disseminated pyrite
189,95	190,06																				Sheared zone (mylonite?); 60TCA; with strong sericite and/or bleaching associated; tr-1% pyrite
190,10	190,24																				A 12cm-thick quartz-(green carbonate)-(tourmaline)-(pyrite) vein (1-2% pyrite)
190,24	191,32																				Strong sericite alteration zone including quartz-carbonate-pyrite veinlets (<1cm-thick; at a 10-15cm interval; 65TCA); 2-3% pyrite
191,32	191,36																				A 3cm-thick quartz-(tourmaline) vein; 60TCA
191,42	191,55																				A 10cm-thick quartz-pyrite-carbonate vein; 65TCA; 10% pyrite
191,55	192,90																				Strong sericite alteration zone including tr-1% disseminated pyrite and local cm-thick quartz veins (80TCA)
196,50	198,70																				Silica-hematite alteration zone (gradational contacts); including calcite tension fractures and local disseminated pyrite (1-2%PY)
198,22	198,25																				A 3cm-thick quartz-calcite-chlorite-(hematite) vein + pyrite along edges; 55TCA
198,37	198,38																				A 1cm-thick quartz-calcite-chlorite-(hematite) vein + pyrite along edges; 55TCA
201,66	201,67																				A 1cm-thick quartz-calcite-chlorite vein + silica-carbonate alteration zone; 55TCA
203,00	213,28																				Pervasive carbonate-(sericite) alteration zone including local carbonate tension fractures (light grey color)
208,50	210,25																				Partially broken core
216,40	216,45																				A 2cm-thick chlorite-pink calcite vein; 20TCA

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358298 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-41-2010	EASTING:	451690 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	356m
START DATE:	April 13th 201(	Line 7+50E; Station 6+65N		CORE SIZE:	NQ
FINISH DATE:	April 16th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
217,65	218,80																				Carbonate-silica alteration zone (grey color); gradational contacts
224,00	246,00																				Carbonate-silica-(hematite) alteration zone (weak to moderate) with local chlorite-rich zones along some fractures
246,00	248,25																				Strong sericite/chlorite-silica alteration zone with presence of leucoxene and tr pyrite
248,04	248,06																				A 2cm-thick quartz vein; 35TCA
248,25	251,00																				Carbonate-silica-(hematite) alteration zone (weak to moderate)
251,00	252,20																				Strong sericite/chlorite-silica alteration zone with presence of leucoxene and tr-1% pyrite
252,20	262,45																				Pervasive carbonate-silica-sericite (locally hematite) alteration zone (greyish to pinkish color)
264,50	266,55																				Pervasive carbonate-silica-sericite (locally hematite) alteration zone (greyish to pinkish color)
268,40	**275,15**	**6,75**																			**QFP**
																					Greenish-grey color; tr disseminated pyrite
275,15	**305,65**	**30,50**																			**Granite**
																					Idem as previous granite unit; Pervasively altered into silica-carbonate-sericite/chlorite; locally hematized
278,80	282,30																				Pervasive hematite alteration (orange color)
286,91	286,93																				A 2cm-thick quartz vein; 50TCA
291,85	295,55																				Partially broken core
296,00	296,95																				Pervasive hematite alteration with 1-2% voids (due to calcite dissolution)
299,21	299,59																				Mafic dyke; fine-grained; chlorite-rich; not magnetic
305,65	**308,40**	**2,75**																			**QFP**
																					Idem as previous QFP unit; tr pyrite as fine stringers
305,68	306,23																				Series of fine pyrite stringers at a 2 to 5cm interval; 50TCA; with moderate sericite alteration associated (beige color)
308,40	**356,00**	**47,60**																			**Granite**
																					Idem as previous granite unit. Several carbonate-silica-sericite-(hematite) alteration zones occur (giving the rock a greyish to pinkish color)
308,40	318,50																				Carbonate-silica-sericite-(±hematite) alteration zone (grey to pinkish color)
309,80	310,09																				QFP dyke
314,60	315,85																				Partially broken core
316,60	316,90																				Broken core
321,50	326,75																				Carbonate-hematite and sericite-silica alteration zones (grey and orange-pink color)
325,10	326,67																				Broken and partially broken core
327,70	327,71																				Quartz vein; 5TCA
328,03	328,30																				Broken core
330,40	330,59																				Strong hematite-carbonate alteration zone (orange-pink color)
331,30	332,80																				Strong hematite-carbonate alteration zone (orange-pink color)
332,50	332,53																				Quartz vein; dislocated; contacts not well-defined
337,45	338,05																				Silica-sericite alteration zone (dark grey color)
341,85	343,25																				Series of down-dip fractures (partially broken core)
347,85	356,00																				Moderate hematite-carbonate alteration zone (pinkish color); with voids occuring locally
355,19	355,24																				Kspar-rich vein; 20TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358298 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-41-2010	EASTING:	451690 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	356m
START DATE:	April 13th 201(	Line 7+50E; Station 6+65N		CORE SIZE:	NQ
FINISH DATE:	April 16th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
356,00	EOH																		

COMMENTS

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358298 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-41-2010	EASTING:	451690 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	356m
START DATE:	April 13th 2010			CORE SIZE:	NQ
FINISH DATE:	April 16th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624447	21.00	21.75	0.75		G0624447	0.01															
G0624448	21.75	22.25	0.50		G0624448	0.00															
G0624449	22.25	22.25	0.00	Blank																	
G0624450	22.25	22.25	0.00	Standard-H																	
G0624451	22.25	23.00	0.75		G0624451	0.00															
G0624452	23.00	24.00	1.00		G0624452	0.00															
G0624453	24.00	24.50	0.50		G0624453	0.17															
G0624454	24.50	25.40	0.90		G0624454	0.00															
G0624455	25.40	26.40	1.00		G0624455	0.00															
G0624456	26.40	27.00	0.60		G0624456	0.00															
G0624457	83.85	84.50	0.65	Shoulder	G0624457	0.00															
G0624458	84.50	85.00	0.50	Quartz-tourmaline vein (5cm-thick)	G0624458	0.00															
G0624459	85.00	86.00	1.00	Shoulder	G0624459	0.00															
G0624460	96.60	97.30	0.70	Shoulder	G0624460	0.00															
G0624461	97.30	97.80	0.50	8cm-thick quartz vein + 1% pyrite	G0624461	0.00															
G0624462	97.80	98.80	1.00	Shoulder	G0624462	0.00															
G0624463	107.00	108.00	1.00	Shoulder	G0624463	0.00															
G0624464	108.00	108.50	0.50	2cm-thick quartz-pyrite vein (1-2% pyrite)	G0624464	0.00															
G0624465	108.50	109.40	0.90	Shoulder	G0624465	0.00															
G0624466	109.40	109.90	0.50	one pyrite stringer	G0624466	0.00															
G0624467	109.90	111.00	1.10	Shoulder	G0624467	0.00															
G0624468	111.00	111.70	0.70	Silica-sericite alteration	G0624468	0.00															
G0624469	111.70	112.20	0.50	1-2% pyrite as stringers/veinlets	G0624469	0.00															
G0624470	112.20	113.00	0.80	Silica-carbonate-sericite alteration	G0624470	0.00															
G0624471	113.00	114.00	1.00	Silica-carbonate-sericite alt; 1% pyrite	G0624471	0.00															
G0624472	114.00	115.00	1.00	Silica-carbonate-sericite alteration	G0624472	0.00															
G0624473	115.00	116.00	1.00	Silica-carbonate-sericite alteration	G0624473	0.00															
G0624474	116.00	116.00	0.00	Blank																	
G0624475	116.00	116.00	0.00	Standard-L																	
G0624476	116.00	117.00	1.00	Shoulder	G0624476	0.00															
G0624477	117.00	117.70	0.70	cm-thick quartz vein; including 1-2% pyrite	G0624477	0.00															
G0624478	117.70	118.50	0.80	Shoulder	G0624478	0.00															
G0624479	118.50	119.10	0.60	Shoulder	G0624479	0.00															
G0624480	119.10	120.00	0.90	Series of micro-fractures + calcite-geothite	G0624480	0.00															
G0624481	120.00	121.00	1.00	Shoulder	G0624481	0.00															
G0624482	121.00	122.00	1.00	tr pyrite as stringer	G0624482	0.00															
G0624483	122.00	123.25	1.25	Shoulder	G0624483	0.00															
G0624484	123.25	123.80	0.55	Quartz-pyrite vein; (ZamZam vein)	G0624484	0.00															
G0624485	123.80	124.60	0.80	Locally 1-2% pyrite as stringer	G0624485	0.00															
G0624486	124.60	125.50	0.90	Carbonate-hematite alteration zone; including tr-1% PY	G0624486	0.00															
G0624487	134.20	134.70	0.50	2cm-thick quartz vein	G0624487	0.00															
G0624488	134.70	136.00	1.30	Shoulder	G0624488	0.00															
G0624489	136.00	136.75	0.75	Sericite-silica-carbonate alteration; including tr-1% PY	G0624489	0.00															
G0624490	136.75	137.50	0.75	Shoulder	G0624490	0.00															
G0624491	140.00	140.50	0.50	A 0.5cm-thick pyrite-quartz veinlet; 3-4% pyrite	G0624491	0.00															
G0624492	140.50	141.50	1.00	Shoulder	G0624492	0.00															

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358298 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-41-2010	**EASTING:**	451690 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	356m
START DATE:	April 13th 2010			**CORE SIZE:**	NQ
FINISH DATE:	April 16th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
G0624493	160.00	160.60	0.60	Shoulder	G0624493	0.00														
G0624494	160.60	161.15	0.55	A 1cm-thick quartz-pyrite vein + 8cm-thick chlorite-quartz vein	G0624494	0.00														
G0624495	161.15	162.00	0.85	Shoulder	G0624495	0.00														
G0624496	162.00	163.00	1.00		G0624496	0.00														
G0624497	163.00	163.50	0.50		G0624497	0.00														
G0624498	163.50	164.40	0.90	Shoulder	G0624498	0.00														
G0624499	164.40	164.40	0.00	Blank																
G0624500	164.40	164.40	0.00	Standard-H																
I767001	164.40	165.00	0.60	tr-1% pyrite as stringers	I767001	0.00														
I767002	165.00	166.20	1.20	Shoulder	I767002	0.00														
I767003	166.20	166.70	0.50	Series of fine calcite-(pyrite) stringers; tr-1% pyrite	I767003	0.00														
I767004	166.70	167.45	0.75	Shoulder	I767004	0.00														
I767005	167.45	168.05	0.60	A 5cm-thick semi-massive pyrite vein	I767005	0.00														
I767006	168.05	168.75	0.70	1-2% pyrite as stringers	I767006	0.00														
I767007	**168.75**	**169.65**	0.90	**Shoulder**	I767007	0.00														
I767008	184.65	185.45	0.80	Locally tr pyrite as stringers + quartz veinlet	I767008	0.00														
I767009	185.45	186.20	0.75	Locally 1% pyrite as stringers	I767009	0.00														
I767010	186.20	187.40	1.20	Shoulder	I767010	0.00														
I767011	187.40	188.60	1.20	Shoulder	I767011	0.00														
I767012	188.60	189.95	1.35	Shoulder	I767012	0.00														
I767013	189.95	190.45	0.50	12cm-thick quartz-(PY) vein + sheared zone; 1-2% pyrite	I767013	0.00														
I767014	190.45	191.30	0.85	2-3% pyrite as veinlets (+quartz)	I767014	0.00														
I767015	191.30	191.80	0.50	A 10cm-thick quartz-pyrite vein (10% pyrite)	I767015	0.00														
I767016	191.80	192.90	1.10	Shoulder	I767016	0.00														
I767017	196.70	197.70	1.00	Hematite alteration zone; including 1-2% PY as stringers	I767017	0.00														
I767018	197.70	198.70	1.00	Locally tr PY associated with quartz-calcite-hematite veinlets	I767018	0.00														
I767019	246.00	247.00	1.00	Sericite-chlorite-silica alteration; tr PY	I767019	0.00														
I767020	247.00	248.25	1.25	Sericite/chlorite-silica alteration; tr PY	I767020	0.00														
I767021	251.00	251.60	0.60	Strong sericite/chlorite-silica alteration zone; tr-1% PY	I767021	0.00														
I767022	251.60	252.20	0.60	Sericite/chlorite-silica alteration; tr-1% PY	I767022	0.00														
I767023	267.50	268.40	0.90	Shoulder	I767023	0.00														
I767024	268.40	268.40	0.00	Blank																
I767025	268.40	268.40	0.00	Standard-L																
I767026	268.40	269.50	1.10	QFP	I767026	0.00														
I767027	269.50	270.50	1.00	QFP	I767027	0.00														
I767028	270.50	271.50	1.00	QFP	I767028	0.00														
I767029	271.50	272.50	1.00	QFP	I767029	0.00														
I767030	272.50	273.50	1.00	QFP	I767030	0.00														
I767031	273.50	274.50	1.00	QFP	I767031	0.00														
I767032	274.50	275.15	0.65	QFP	I767032	0.00														
I767033	275.15	276.00	0.85	Shoulder	I767033	0.00														
I767034	305.00	305.65	0.65	Shoulder	I767034	0.00														
I767035	305.65	306.25	0.60	QFP + Pyrite stringers	I767035	0.00														
I767036	306.25	307.30	1.05	QFP	I767036	0.00														
I767037	307.30	308.40	1.10	QFP	I767037	0.00														
I767038	308.40	309.75	1.35	Shoulder	I767038	0.00														

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358298 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-41-2010	**EASTING:**	451690 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	356m
START DATE:	April 13th 2010			**CORE SIZE:**	NQ
FINISH DATE:	April 16th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results															
					SAMPLE_NO	AU_G/TFA	Pb %	Ag ppm	Au ppm	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other	Other
I767039	309.75	310.25	0.50	30cm-thick QFP dyke	I767039	0.00															
I767040	310.25	311.00	0.75	Shoulder	I767040	0.00															
I767041	331.30	332.00	0.70	Hematite-carbonate alteration zone	I767041	0.00															
I767042	332.00	332.80	0.80	Hematite-carbonate alteration zone	I767042	0.00															

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358351 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-42-2010	EASTING:	451890 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	701m
START DATE:		Line 9+50E; Station 7+00N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**4,50**	**4,50**	**OB**																		**Casing/Overburden**
4,50	**97,32**	**92,82**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																					Carbonate tension fractures/veinlets + goethite near the surface
14,07	14,08																				1cm-thick quartz vein; 50TCA
23,64	24,14																				Carbonate alteration zone (grey color)
35,60	36,54																				Carbonate-(hematite) alteration zone (light pinkish-grey color); including a down-dip chlorite-carbonate veinlet
36,70	36,71																				1cm-thick calcite vein + goethite alteration along edges; 65TCA
37,62	39,20																				Carbonate alteration zone (light grey color); including fine calcite veinlets and/or tension fractures (25TCA)
47,26	47,35																				Small pegmatite dyke
49,64	54,10																				Carbonate alteration zone (light grey color); including fine calcite veinlets and/or tension fractures (25TCA)
52,69	53,72																				A 3cm-thick quartz vein; 70TCA
53,41	53,45																				Strongly silicified zone including tr-1% pyrite
54,45	54,50																				Small pegmatite dyke; 20TCA
56,42	56,52																				A 8cm-thick quartz-carbonate-chlorite vein; 55TCA
62,14	62,65																				Schistosity well-developed (marked by chlorite); 40TCA
75,15	75,80																				Pervasive and strong hematite-chlorite alteration zone (dark orange-pink color)
81,07	81,27																				Series of fractures (at a 2 to 4cm interval) filled with goethite and calcite
85,93	86,25																				Carbonate alteration zone (light grey color)
88,16	88,19																				A 2cm-thick quartz vein; 25TCA
88,32	89,05																				Carbonate alteration zone (light grey color)
93,90	94,45																				Carbonate alteration zone (light grey color)
96,00	96,25																				Series of fractures (at a 2 to 4cm interval) filled with goethite and calcite
97,32	**101,12**	**3,80**																			**QFP**
																					Plagio porphyry; dark to medium-grey color
97,32	97,70																				Broken core
100,49	100,50																				A fine pyrite stringer; 30TCA; 1% pyrite
100,68	101,12																				Hematized and/or weathered zone (goethite; boxworks of pyrite)
101,12	**162,19**	**61,07**																			**Granite**
																					Idem as previous granite unit
101,34	101,84																				Carbonate-(hematite) alteration zone (light pinkish-grey color); tr pyrite
104,85	105,00																				Broken core
107,02	107,04																				A 1cm-thick quartz vein; 35TCA
110,00	112,20																				Partially broken core
115,35	115,59																				A down-dip calcite-goethite-vuggy veinlet
127,60	128,25																				Partially broken core
129,20	129,37																				Partially broken core
132,60	137,75																				Zone with a series of micro-fractures with chlorite along edges
133,41	133,43																				A 2cm-thick quartz vein; 55TCA
145,83	146,24																				Carbonate-(hematite) alteration zone (pinkish-grey color); including a 2cm-thick chlorite-carbonate vein; 20TCA
147,00	147,04																				A 3cm-thick vein; 50TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358351 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-42-2010	EASTING:	451890 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	701m
START DATE:		Line 9+50E; Station 7+00N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensit				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
151,44	153,70																				Moderate carbonate-hematite alteration zone (pinkish-grey color). Contacts are gradational
157,15	159,29																				Strong sericite-silica alteration (dark grey color). Schistosity well-developed; 45TCA. Presence of leucoxene
162,19	**190,46**	**28,27**																			**Altered granite**
																					Hematite-calcite alteration zone. Purple-ish red color. Locally + silica-sericite alteration
190,46	**337,00**	**146,54**																			**Granite**
																					Idem as previous granite unit; local carbonate-silica-sericite alteration zone
193,40	193,77																				Silica-carbonate alteration zone (medium-grey color)
196,26	196,70																				Silica-carbonate alteration zone (medium-grey color); tr-1% disseminated pyrite
198,22	198,82																				Silica-carbonate alteration zone (medium-grey color)
204,67	209,18																				Carbonate alteration zone; light grey color
212,50	222,25																				Alteration zone: alternance of hematite-carbonate alt (pink-orange color) and carbonate-silica alt (light to medium grey color); including local calcite tens fractures and epidote veinlets
217,07	217,12																				Epidote pervasive alteration zone associated with a chlorite veinlets and/or filled fractures @ 217,12 - 217,15m
223,47	223,66																				Carbonate-silica-(hematite) alteration zone; tr pyrite
227,79	229,14																				Carbonate alteration zone; light grey color
242,40	242,43																				A 2cm-thick quartz vein + epidote alteration associated; tr pyrite along edges
244,00	244,34																				Weak to moderate carbonate-hematite alteration zone
248,15	248,27																				Silica-sericite alteration zone (dark grey color); schistosity well-developed (50TCA)
249,63	249,78																				Pegmatite dyke; no quartz
258,25	259,04																				Hematite-silica partial alteration zone (pinkish-red and grey color)
261,58	261,81																				Hematite-silica partial alteration zone (pinkish-red and grey color)
260,77	260,78																				tr pyrite
263,64	263,66																				Quartz-(carbonate) vein (40TCA) associated with a carbonate-hematite-silica alteration zone
267,49	267,73																				Micro-fracture network with goethite along edges
278,00	282,55																				Partially broken core
288,55	294,82																				Strong hematite-silica alteration zone (orange color). Contacts are gradational
298,55	300,40																				Carbonate-silica alteration zone (medium to dark grey color), including tr disseminated pyrite
299,82	299,84																				A 1cm-thick quartz-biotite/chlorite vein; 15TCA
308,05	309,05																				Strong silica alteration zone (dark grey color)
317,00	318,08																				Hematite-carbonate alteration zone (pinkish-red color)
325,65	325,88																				Hematite-carbonate alteration zone (pinkish-red color)
325,88	333,72																				Silica-sericite-carbonate alteration (locally + hematite). Presence of leucoxene due to leaching(?)
332,62	332,64																				A 2cm-thick quartz-chlorite vein; 60TCA
337,00	**474,67**	**137,67**																			**Altered granite**
																					Hematite-carbonate alteration zone (purple-ish red color), locally sericite/chlorite-silica alteration (dark greenish grey color)
347,60	347,85																				Partially broken core/sheared zone (65TCA); including calcite breccia-vein on 3cm.
354,10	362,00																				Sericite/chlorite-silica alteration zone (dark greenish-grey color); Contacts are gradational
369,26	370,50																				Unaltered granite (only weak epidotization/sericitization)

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358351 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-42-2010	EASTING:	451890 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	701m
START DATE:		Line 9+50E; Station 7+00N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
380,37	381,55																				QFP dyke; pervasively altered into hematite-calcite-chlorite; 35TCA
385,52	385,62																				Breccia/sheared zone; 65TCA
400,45	403,20																				Partially broken core
414,00	429,55																				Chlorite-rich zone
422,85	424,30																				Series of down-dip Kspar-quartz veins (1cm-thick); including tr specularite
439,32	440,13																				Mafic dyke; fine-grained; chlorite-rich; not magnetic. Dark green color; partially broken core
474,67	**530,85**	**56,18**																			**Mafic volcanic rock**
																					Massive flow and flow breccia. Chlorite-rich. Locally tr pyrite
478,35	479,25																				QFP dyke; locally down-dip. Pinkish color due to hematization
479,95	480,60																				QFP/granite dyke;purple-ish color due to hematization
482,95	483,32																				Down-dip syenite dyke
491,84	491,91																				A 7cm-thick granite dyke
498,29	498,30																				A 0.5cm-thick quartz vein; including tr CPY; tr PY
498,65	499,00																				Silicified zone including a 1.5cm-thick quartz vein (15TCA)
499,77	499,83																				A 4cm-thick quartz vein; 35TCA
500,77	500,78																				A 1cm-thick quartz vein; 30TCA; tr pyrite
501,54	501,56																				A 1cm-thick quartz vein; 30TCA; tr pyrite
503,89	505,35																				Granite dyke with epidotized plagioclase
505,59	505,80																				Small QFP dyke
506,45	506,60																				Small QFP dyke
506,60	507,50																				Granite dyke with epidotized plagioclase
509,00	511,36																				Granite intrusion (with epidotized plagioclase); including local mafic volcanic rock xenoliths
512,80	513,03																				QFP dyke
513,11	513,34																				Syenite dyke + sericite and quartz
513,50	514,47																				Granite dyke
515,12	515,25																				Granite dyke
516,54	516,61																				Quartz vein + carbonate and Kspar alteration associated; 20TCA; tr pyrite
518,42	520,93																				Granite dyke/intrusion, pervasive alteration (hematite-carbonate); purple-ish red color. Leucoxene and chlorite-rich
520,93	521,45																				Jasper alteration and/or veinlet
521,45	527,85																				Diorite(?) intrusion and/or gabbro
527,85	527,93																				A 6cm-thick Kspar-rich pegmatite; 40TCA
528,70	529,73																				Hematite vein; 45TCA
530,85	**543,00**	**12,15**																			**Vacuolar lava flow(?) filled with calcite.**
																					Locally strongly silicified (could be confused with QFP). Local pyrite stringer and diss grains. Trace garnet
530,85	531,65																				Strong silicification
532,18	532,58																				Series of pyrite stringers (at a 7 to 10cm interval; <1cm-thick; 40-50TCA); 5% pyrite
541,35	543,00																				Strong silicification + hematite alteration (QFP-like); tr pyrite
543,00	**551,27**	**8,27**																			**Mafic volcanic rock**

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358351 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-42-2010	EASTING:	451890 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	701m
START DATE:		Line 9+50E; Station 7+00N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION: Alteration Intensity			CODE	Mineralisation: Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
																				Chlorite-rich; dark green to black color. Aphanitic
545,60	546,66																			Down-dip granite dyke (pervasive hematite-carbonate alteration; purple-ish red color)
546,95	547,07																			Granite dyke (pervasive hematite-carbonate alteration; purple-ish red color); 35TCA
551,27	**553,70**	**2,43**																		**Granite intrusion**
																				Pervasive carbonate alteration (grey color)
553,70	**586,40**	**32,70**																		**Altered mafic volcanic rock**
																				Bleached; presence of fuschite. Locally tr-1% disseminated pyrite. Contacts are gradational
554,70	555,65																			Strong silica-sericite alteration zone, including 1-2% pyrite as fine stringers (at a 2-4cm interval; 60TCA) and quartz veinlets (20TCA). Tr fuschite alo edges
561,15	561,24																			Strong silicified zone and/or quartz vein; 25TCA
563,05	563,06																			A 0.5cm-thick pyrite-quartz veinlet; 25TCA; parallel to schistosity
563,40	563,59																			A 5cm-thick quartz-pyrite vein; 25TCA; 10% pyrite
565,80	567,35																			Granite dyke; strong carbonate-sericite alteration; including a pluri-cm thick and down-dip quartz-carbonate vein
567,90	571,00																			Down-dip quartz-Kspar vein and/or syenite dyke with small veinlets at 30-35TCA. Tr Molybdenite; tr chalcopyrite
571,75	574,00																			Granite dyke; carbonate-silica alteration
575,00	576,45																			In situ breccia zone; locally sheared with 1% disseminated pyrite along plans (+ fuschite); 25TCA
575,25	575,28																			A 2cm-thick quartz vein (20TCA) including tr Molybdenite, tr pyrite
578,60	578,63																			A 2cm-thick quartz vein; 30TCA
579,62	579,65																			A 1cm-thick quartz vein; 20TCA
586,40	**701,00**	**114,60**																		**Mafic volcanic rock**
																				Chlorite-rich; including several carbonate-calcite tension fractures. Occurrence of leucoxene. Locally weak magnetism. Massive flow and bre flow
586,87	586,90																			A 2cm-thick quartz-carbonate vein; 35TCA
595,42	595,86																			Granite dyke with carbonate alteration (grey color)
600,91	601,34																			Granite dyke
602,88	602,89																			A 1cm-thick quartz-hematite (specularite) vein; 30TCA
610,63	610,68																			Carbonate-jasper/hematite vein; 3cm-thick; 30TCA
611,25	611,68																			Down-dip granite dyke; with carbonate-hematite alteration
612,58	614,40																			Weakly hematized zone (dark purple-ish-green color); including several low-angle and down-dip granitic dykes (also hematized)
617,38	617,52																			Iron formation xenolith/large clast; magnetite; 5% disseminated pyrite
618,50	619,20																			Series of dislocated and down-dip quartz-Kspar-sericite veins/dykes
622,15	623,15																			Granite dyke; locally down-dip
625,35	626,72																			Down-dip carbonatized and silicified granite dyke
625,67	626,00																			Down-dip quartz-carbonate veins (1cm-thick)
628,59	628,61																			A 2cm-thick quartz-(pyrite) vein; 45TCA; 1-2% pyrite
629,00	629,30																			Zone with down-dip and dislocated quartz vein (dark grey); with 1-2% pyrite associated
630,00	631,07																			Zone with sheared and dislocated quartz vein parallel to main schistosity (15TCA); 1-2 disseminated pyrite associated
637,56	637,57																			A 1cm-thick quartz-carbonate vein; 80TCA; 1-2% pyrite associated
637,79	638,11																			Silicified zone + sericite; 1-2% disseminated pyrite associated. Presence of eyes of quartz.

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358351 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-42-2010	EASTING:	451890 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	701m
START DATE:		Line 9+50E; Station 7+00N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation					
										Alteration Intensit					Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
638,91	639,04																			
640,00	642,31																			
643,00	643,74																			
660,50	660,85																			
661,64	661,77																			
663,70	663,90																			
665,12	665,15																			
665,65	665,96																			
665,96	666,12																			
679,57	679,69																			
681,23	681,32																			
682,24	682,26																			
682,71	682,74																			
694,30	695,10																			
696,35	698,00																			
701,00	EOH																			

COMMENTS
2-3% pyrite
Granite dyke + rounded xenoliths of hosted rock (mafic volcanic rock)
Granite dyke + rounded xenoliths of hosted rock (mafic volcanic rock)
2-3% pyrite and tr-1% chalcopyrite associated with a carbonate-silica veinlet network
1-2% pyrite associated with dislocated quartz veinlets
Granite dyke; unaltered
Silica-pyrite on 3cm; 1-2% pyrite
Granite dyke; carbonatized
A 1cm-thick quartz vein; 15TCA
Aplite dyke + hematite alteration associated
Quartz vein + specularite/hematite along edges; 20TCA
2-3% pyrite in carbonate and quartz veinlets on 2cm
Semi-massive pyrite vein (+quartz); 30TCA; >25% pyrite
Diopside(?)-quartz-chlorite vein (including tr pyrite) with a 5 to 20cm-thick epidote alteration zone on either sides
Series of low-angle (15 to 35TCA; 1 to 3cm-thick) quartz-carbonate vein (dark grey quartz); including locally tr chalcopyrite at a 10 to 15cm interval

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358351 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-42-2010	EASTING:	451890 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	701m
START DATE:	0.00			CORE SIZE:	NQ
FINISH DATE:	0.00				

Assay Results

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM
I766590	52.50	53.10	0.60	Shoulder	I766590	-0.01	0	0	0	0	-0.2	1.3	2	-10	60	-0.5	-2
I766591	53.10	53.60	0.50	Locally tr-1% pyrite	I766591	-0.01	0	0	0	0	-0.2	1.53	3	-10	40	-0.5	-2
I766592	53.60	54.10	0.50	Shoulder	I766592	-0.01	0	0	0	0	-0.2	1.29	-2	-10	60	-0.5	-2
I766593	96.00	97.32	1.32	Shoulder	I766593	-0.01	0	0	0	0	0.3	1.36	2	-10	50	-0.5	-2
I766594	97.32	98.40	1.08	QFP	I766594	0.01	0	0	0	0.01	-0.2	1.01	5	-10	40	-0.5	-2
I766595	98.40	99.40	1.00	QFP	I766595	-0.01	0	0	0	0	-0.2	1.04	12	-10	30	-0.5	-2
I766596	99.40	100.40	1.00	QFP	I766596	-0.01	0	0	0	0	-0.2	1.11	5	-10	30	-0.5	-2
I766597	100.40	101.12	0.72	QFP	I766597	0.02	0	0	0	0.02	-0.2	1.1	5	-10	30	-0.5	-2
I766598	101.12	102.00	0.88	Shoulder	I766598	-0.01	0	0	0	0	-0.2	1.29	2	-10	50	-0.5	-2
I766599	102.00	102.00	0.00	Blank	I766599	-0.01	0	0	0	0	-0.2	1.74	3	-10	20	-0.5	-2
I766600	102.00	102.00	0.00	Standard-H													
I766601	347.50	348.00	0.50	Sheared zone + carbonate breccia-vein	I766601	-0.01	0	0	0	0	-0.2	5.27	-2	-10	10	0.6	-2
I766602	356.00	357.00	1.00		I766602	0.01	0	0	0	0.01	-0.2	2.33	-2	-10	40	-0.5	-2
I766603	357.00	358.00	1.00		I766603	-0.01	0	0	0	0	-0.2	2.22	-2	-10	20	-0.5	2
I766604	380.37	381.00	0.63	QFP; hematized	I766604	0.01	0	0	0	0.01	-0.2	2.81	-2	-10	10	-0.5	2
I766605	381.00	381.55	0.55	QFP; hematized	I766605	-0.01	0	0	0	0	-0.2	3.26	-2	-10	10	-0.5	-2
I766606	422.85	423.70	0.85	Down-dip 1cm-thick Kspar-quartz vein	I766606	-0.01	0	0	0	0	-0.2	2.11	18	-10	40	-0.5	-2
I766607	423.70	424.30	0.60	Down-dip 1cm-thick Kspar-quartz vein	I766607	-0.01	0	0	0	0	-0.2	2.22	25	-10	50	-0.5	-2
I766608	477.50	478.35	0.85	Shoulder	I766608	-0.01	0	0	0	0	-0.2	7.05	-2	-10	-10	0.7	4
I766609	478.35	479.25	0.90	Down-dip QFP dyke	I766609	-0.01	0	0	0	0	-0.2	1.67	-2	-10	20	-0.5	-2
I766610	479.25	479.95	0.70	Shoulder	I766610	-0.01	0	0	0	0	-0.2	3.49	-2	-10	10	-0.5	2
I766611	479.95	480.60	0.65	Syenite/granite dyke	I766611	-0.01	0	0	0	0	-0.2	1.24	-2	-10	-10	-0.5	-2
I766612	480.60	481.80	1.20	Shoulder	I766612	0.01	0	0	0	0.01	-0.2	6.53	-2	-10	-10	-0.5	3
I766613	481.80	482.95	1.15	Shoulder	I766613	-0.01	0	0	0	0	-0.2	5.16	2	-10	-10	-0.5	-2
I766614	482.95	483.45	0.50	Granite/QFP dyke	I766614	0.01	0	0	0	0.01	-0.2	2.87	2	-10	10	-0.5	-2
I766615	483.45	484.30	0.85	Shoulder	I766615	0.04	0	0	0	0.04	-0.2	5.34	-2	-10	-10	-0.5	-2
I766616	498.20	499.00	0.80	ocal quartz veins + silica alteration; tr CPY; tr P	I766616	0.01	0	0	0	0.01	-0.2	2	12	-10	20	-0.5	-2
I766617	499.00	500.00	1.00	Local quartz vein; tr pyrite	I766617	0.01	0	0	0	0.01	-0.2	1.96	3	-10	20	-0.5	-2
I766618	500.00	501.00	1.00	Local quartz vein	I766618	-0.01	0	0	0	0	-0.2	1.94	3	-10	20	-0.5	-2
I766619	501.00	502.00	1.00		I766619	0.23	0	0	0	0.23	-0.2	3.08	6	-10	10	-0.5	-2
I766620	505.55	506.60	1.05	QFP dyke	I766620	-0.01	0	0	0	0	-0.2	1.73	-2	-10	30	-0.5	-2
I766621	512.00	512.80	0.80	Shoulder	I766621	0.01	0	0	0	0.01	-0.2	2.57	-2	-10	20	-0.5	2
I766622	512.80	513.50	0.70	QFP + syenite dyke	I766622	0.02	0	0	0	0.02	-0.2	1.88	-2	-10	20	-0.5	-2
I766623	513.50	514.47	0.97	Shoulder + granite dyke	I766623	0.01	0	0	0	0.01	-0.2	2.07	-2	-10	30	-0.5	-2
I766624	514.47	514.47	0.00	Blank	I766624	0.03	0	0	0	0.03	-0.2	1.95	-2	-10	20	-0.5	-2
I766625	514.47	514.47	0.00	Standard-L													
I766626	514.47	515.25	0.78														
I766627	515.25	516.30	1.05		I766627	-0.01	0	0	0	0	-0.2	2.38	-2	-10	20	-0.5	-2
I766628	516.30	516.80	0.50	Quartz vein; tr pyrite	I766628	-0.01	0	0	0	0	-0.2	2.24	-2	-10	20	-0.5	-2
I766629	516.80	517.80	1.00	Shoulder	I766629	-0.01	0	0	0	0	0.3	2.61	3	-10	20	-0.5	-2
I766630	520.93	521.45	0.52	Mafic volcanic rock; local jaspe alteration	I766630	-0.01	0	0	0	0	-0.2	2.84	3	-10	-10	-0.5	-2
I766631	521.45	522.00	0.55	Gabbro/diorite	I766631	-0.01	0	0	0	0	0.3	4.66	-2	-10	-10	-0.5	2
I766632	522.00	523.00	1.00	Gabbro/diorite	I766632	-0.01	0	0	0	0	-0.2	3.12	-2	-10	-10	-0.5	-2
I766633	523.00	524.00	1.00	Gabbro/diorite	I766633	0.01	0	0	0	0.01	0.2	4.91	-2	-10	-10	-0.5	-2
I766634	527.85	528.65	0.80		I766634	0.01	0	0	0	0.01	0.2	6.35	6	-10	-10	-0.5	-2
I766635	528.65	529.35	0.70		I766635	0.01	0	0	0	0.01	-0.2	6.15	5	-10	-10	-0.5	2
I766636	529.35	530.85	1.50	Shoulder	I766636	0.38	0	0	0	0.38	0.2	8.63	3	-10	-10	-0.5	-2
I766637	530.85	531.65	0.80	Silica alteration	I766637	0.08	0	0	0	0.08	-0.2	0.53	2	-10	10	-0.5	2
I766638	531.65	532.15	0.50	Silica alteration	I766638	1.58	0	0	0	1.58	0.3	1.43	6	-10	20	-0.5	13
I766639	532.15	532.70	0.55	Local pyrite vein	I766639	0.39	0	0	0	0.39	0.6	2.22	61	-10	20	-0.5	29
I766640	532.70	533.70	1.00		I766640	0.12	0	0	0	0.12	0.2	2.2	24	-10	20	-0.5	6
I766641	533.70	534.50	0.80		I766641	0.07	0	0	0	0.07	0.2	2.7	12	-10	20	-0.5	5
I766642	534.50	535.30	0.80		I766642	0.09	0	0	0	0.09	0.2	1.86	13	-10	20	-0.5	4
I766643	535.30	536.00	0.70		I766643	5.95	0	0	0	5.95	0.8	2.01	20	-10	20	-0.5	12
I766644	539.30	540.00	0.70		I766644	0.04	0	0	0	0.04	-0.2	2.06	3	-10	20	-0.5	3
I766645	540.00	540.70	0.70		I766645	0.04	0	0	0	0.04	-0.2	1.21	3	-10	10	-0.5	2
I766646	540.70	541.35	0.65		I766646	0.06	0	0	0	0.06	0.2	0.49	4	-10	10	-0.5	-2
I766647	541.35	542.20	0.85	Silica-hematite alteration	I766647	0.04	0	0	0	0.04	-0.2	0.54	6	-10	10	-0.5	-2
I766648	542.20	543.00	0.80	Silica-hematite alteration	I766648	0.05	0	0	0	0.05	-0.2	1.5	4	-10	10	-0.5	-2
I766649	543.00	543.00	0.00	Blank	I766649	0.01	0	0	0	0.01	-0.2	1.85	2	-10	10	-0.5	-2
I766650	543.00	543.00	0.00	Standard-H													
I766651	543.00	544.00	1.00														
I766652	553.00	553.70	0.70	Shoulder	I766652	0.01	0	0	0	0.01	-0.2	1.45	5	-10	20	-0.5	-2
I766653	553.70	554.70	1.00		I766653	-0.01	0	0	0	0	-0.2	2.63	15	-10	10	-0.5	-2
I766654	554.70	555.65	0.95	Fine pyrite stringers; 1-2% pyrite	I766654	0.02	0	0	0	0.02	0.2	1.26	48	-10	10	-0.5	-2
I766655	555.65	556.70	1.05		I766655	0.09	0	0	0	0.09	0.2	0.96	68	-10	10	-0.5	2
I766656	556.70	557.50	0.80		I766656	0.01	0	0	0	0.01	-0.2	1.45	68	-10	10	-0.5	-2
I766657	557.50	558.35	0.85		I766657	0.01	0	0	0	0.01	0.6	1.86	99	-10	10	-0.5	-2
I766658	558.35	559.00	0.65		I766658	0.02	0	0	0	0.02	0.4	0.81	98	-10	10	-0.5	-2
I766659	559.00	560.00	1.00		I766659	0.02	0	0	0	0.02	0.3	1.2	111	-10	10	-0.5	-2
I766660	560.00	561.00	1.00		I766660	0.01	0	0	0	0.01	0.4	1.89	93	-10	10	-0.5	2
I766661	561.00	561.75	0.75		I766661	0.01	0	0	0	0.01	0.2	0.88	121	-10	10	-0.5	-2
I766662	561.75	562.40	0.65		I766662	0.03	0	0	0	0.03	-0.2	2.41	57	-10	10	-0.5	-2
I766663	562.40	563.15	0.75		I766663	0.20	0	0	0	0.2	0.7	2.68	74	-10	10	-0.5	2
I766664	563.15	563.65	0.50	A 5cm-thick quartz-pyrite vein; 10% pyrite	I766664	>10.00	0	39.8	0	39.8	20.8	2.82	388	-10	10	-0.5	134
I766665	563.65	564.50	0.85		I766665	0.04	0	0	0	0.04	-0.2	1.71	112	-10	10	-0.5	-2
I766666	564.50	565.20	0.70		I766666	0.01	0	0	0	0.01	0.7	1.47	166	-10	10	-0.5	-2

SAMPLE_I	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I766590	1.64	-0.5	11	14	12	2.51	10	-1	0.17	30	0.82	382	-1	0.06	14	700	3	0.08	-2	3	25	-20
I766591	0.62	-0.5	10	15	1	2.86	10	-1	0.14	30	1.27	370	-1	0.05	13	680	2	0.09	-2	4	9	-20
I766592	2.1	-0.5	9	15	13	2.53	-10	-1	0.17	30	0.76	446	-1	0.05	13	680	2	0.01	-2	3	43	-20
I766593	1.25	-0.5	9	17	10	2.38	10	-1	0.14	30	0.8	370	36	0.06	13	720	-2	0.02	-2	3	86	-20
I766594	1.45	-0.5	10	13	71	1.8	-10	-1	0.14	10	0.67	204	-1	0.05	11	490	2	0.22	-2	2	23	-20
I766595	1.88	-0.5	8	13	79	1.81	-10	-1	0.14	10	0.66	206	-1	0.06	11	510	4	0.17	-2	2	23	-20
I766596	1.69	-0.5	9	15	130	1.9	-10	-1	0.13	10	0.77	214	-1	0.06	11	490	-2	0.14	-2	2	22	-20
I766597	1.33	-0.5	7	16	100	2.04	10	-1	0.11	10	0.76	206	-1	0.07	11	510	-2	0.13	-2	2	20	-20
I766598	2.05	-0.5	9	15	33	2.61	10	-1	0.13	30	0.87	424	-1	0.06	13	680	3	0.11	-2	4	45	-20
I766599	0.48	-0.5	7	21	-1	4.48	10	-1	0.08	40	1.68	370	-1	0.07	18	920	3	-0.01	-2	5	10	-20
I766601	1.06	-0.5	19	25	-1	5.48	20	-1	0.04	20	7.69	722	-1	0.04	24	1130	2	0.01	-2	8	13	-20
I766602	0.24	-0.5	10	19	-1	3.3	10	-1	0.09	20	2.89	301	-1	0.05	15	800	-2	0.01	-2	4	7	-20
I766603	0.32	-0.5	10	20	-1	3.19	10	-1	0.07	20	2.68	290	-1	0.06	16	850	-2	0.01	-2	5	8	-20
I766604	0.36	-0.5	17	40	-1	4.87	10	-1	0.02	30	3.28	446	-1	0.06	33	980	-2	0.01	-2	6	6	-20
I766605	0.41	-0.5	17	41	-1	5.13	10	-1	0.03	30	3.81	527	-1	0.07	34	940	-2	0.01	-2	6	7	-20
I766606	4.68	-0.5	12	20	-1	3.29	-10	-1	0.16	10	2	554	-1	0.05	19	1040	-2	0.01	-2	3	94	-20
I766607	3.72	-0.5	13	20	-1	3.53	-10	-1	0.17	20	2.1	536	-1	0.06	19	1110	-2	0.01	-2	4	47	-20
I766608	0.45	-0.5	64	361	-1	9.43	20	-1	0.01	10	7.99	1520	-1	0.03	168	240	-2	0.21	4	29	13	-20
I766609	2.07	-0.5	16	95	-1	2.82	-10	-1	0.04	10	1.65	418	-1	0.07	41	230	-2	1.44	-2	8	60	20
I766610	1.09	-0.5	37	243	-1	5.45	10	-1	0.02	10	3.7	897	-1	0.06	112	250	-2	0.6	-2	17	96	-20
I766611	1.88	-0.5	10	28	-1	2.88	-10	-1	0.02	10	1.17	337	-1	0.08	24	390	-2	1.01	-2	5	34	-20
I766612	1.88	-0.5	55	386	-1	10.05	10	-1	0.01	10	6.41	1415	-1	0.03	179	240	-2	0.28	6	31	23	-20
I766613	7.21	-0.5	19	337	-1	7.59	10	-1	0.01	-10	3.95	1145	-1	0.03	140	220	-2	0.14	-2	32	62	-20
I766614	8.83	-0.5	8	181	-1	4.59	-10	-1	0.02	10	2.01	929	-1	0.05	75	130	-2	0.06	2	16	96	-20
I766615	6.04	-0.5	22	326	-1	8.28	10	-1	0.03	-10	3.7	1095	-1	0.03	154	230	-2	0.09	5	21	53	-20
I766616	4.75	-0.5	27	82	87	3.64	-10	-1	0.11	10	0.8	633	-1	0.07	99	210	-2	0.03	2	5	51	-20
I766617	4.45	-0.5	12	14	30	3.52	-10	-1	0.13	20	0.89	538	1	0.05	21	840	-2	0.03	-2	2	47	-20
I766618	4.25	-0.5	13	15	43	3.65	-10	-1	0.11	20	0.95	604	-1	0.06	23	860	-2	0.02	-2	3	46	-20
I766619	7.19	-0.5	33	105	48	5.37	-10	-1	0.1	-10	1.48	954	-1	0.06	141	110	-2	0.11	2	7	71	-20
I766620	1.32	-0.5	22	78	13	3.46	-10	-1	0.06	10	0.82	614	1	0.06	51	390	-2	0.06	-2	5	29	-20
I766621	2.18	-0.5	13	2	33	5.53	10	-1	0.04	10	1.21	912	-1	0.06	11	840	-2	0.13	-2	4	23	-20
I766622	1.59	-0.5	11	4	31	3.86	-10	-1	0.06	10	0.94	621	38	0.05	11	560	-2	0.09	-2	3	24	-20
I766623	1.93	-0.5	14	23	7	3.34	10	-1	0.1	20	1.24	566	1	0.06	21	950	-2	0.03	-2	4	47	-20
I766624	0.88	-0.5	11	21	-1	3.26	10	-1	0.06	10	1.73	321	-1	0.1	17	920	-2	0.01	-2	6	10	-20
I766627	2.99	-0.5	10	1	1	4.85	10	-1	0.08	10	1.02	760	-1	0.04	3	860	-2	0.05	3	5	29	-20
I766628	3.34	-0.5	9	1	23	4.83	-10	-1	0.1	10	0.85	806	1	0.03	4	760	-2	0.09	-2	3	27	-20
I766629	4.2	-0.5	11	1	46	5.67	10	-1	0.09	10	1.01	1010	17	0.01	13	760	9	0.06	-2	3	36	-20
I766630	0.74	-0.5	18	22	1	6.09	20	-1	0.01	-10	1.96	378	-1	0.04	28	890	-2	0.17	-2	8	23	-20
I766631	0.5	-0.5	31	31	1	9.28	30	-1	0.01	-10	3.67	611	-1	0.02	52	1180	-2	0.05	-2	11	12	-20
I766632	0.89	-0.5	21	31	1	6.25	20	1	0.01	10	2.35	411	-1	0.04	36	1200	2	0.36	-2	8	38	-20
I766633	0.57	-0.5	30	30	-1	9.21	30	-1	0.01	-10	4.03	626	-1	0.02	46	1190	-2	0.23	-2	10	22	-20
I766634	4.34	-0.5	44	113	-1	10.15	30	1	-0.01	-10	4.76	785	-1	-0.01	65	580	-2	2.09	-2	29	189	-20
I766635	2.24	-0.5	44	116	-1	12.2	30	1	-0.01	-10	4.61	809	-1	0.01	66	590	-2	0.42	-2	30	42	-20
I766636	3.72	-0.5	56	132	-1	13	40	-1	0.01	-10	6.75	1225	-1	-0.01	81	730	-2	0.07	-2	34	40	-20
I766637	3.55	-0.5	2	10	-1	0.76	-10	-1	0.01	-10	0.39	205	-1	0.05	1	450	-2	0.96	-2	2	83	-20
I766638	2.64	-0.5	7	8	1	2.08	10	-1	0.06	-10	1.15	288	-1	0.04	5	490	3	0.6	-2	2	79	-20
I766639	0.97	-0.5	13	5	1	3.98	10	1	0.12	-10	1.92	332	-1	0.02	9	580	7	1.06	-2	2	29	-20
I766640	1.14	-0.5	12	7	-1	3.35	10	-1	0.1	-10	1.86	331	-1	0.03	9	580	2	0.45	-2	2	26	-20
I766641	0.99	-0.5	16	9	-1	3.99	10	-1	0.1	-10	2.41	411	-1	0.02	13	740	2	0.25	-2	2	21	-20
I766642	2.61	-0.5	10	7	-1	2.81	10	-1	0.1	-10	1.5	369	-1	0.03	8	610	-2	0.32	-2	2	50	-20
I766643	2.08	-0.5	12	7	1	3.26	10	-1	0.09	-10	1.66	346	-1	0.02	9	600	4	0.9	-2	2	35	-20
I766644	2.04	-0.5	10	7	-1	2.84	10	-1	0.09	20	1.71	340	-1	0.02	8	580	-2	0.32	-2	2	50	-20
I766645	3.22	-0.5	5	7	-1	1.75	10	-1	0.06	-10	0.94	261	-1	0.04	3	510	-2	0.66	-2	1	77	-20
I766646	5.69	-0.5	2	7	-1	0.68	-10	-1	0.03	-10	0.35	238	-1	0.03	1	430	-2	1.78	-2	1	166	-20
I766647	5.56	-0.5	3	8	-1	0.86	-10	-1	0.02	-10	0.37	250	-1	0.05	2	430	-2	1.62	-2	2	153	-20
I766648	3.81	-0.5	10	46	-1	2.82	10	-1	0.02	-10	1.11	320	-1	0.04	21	430	-2	0.6	-2	5	79	-20
I766649	1.58	-0.5	10	21	-1	2.98	10	-1	0.03	10	1.61	323	-1	0.04	18	960	-2	-0.01	-2	5	10	-20
I766652	4	-0.5	11	13	25	2.79	10	-1	0.1	10	0.91	529	-1	0.02	24	790	-2	0.07	-2	2	43	-20
I766653	6.6	-0.5	33	110	34	6.06	10	1	0.07	-10	3.7	1190	-1	0.02	128	250	-2	-0.01	-2	9	70	-20
I766654	4.81	-0.5	44	53	41	5.57	-10	1	0.11	-10	1.35	1025	1	0.05	116	390	2	1.17	-2	5	52	-20
I766655	5.72	-0.5	46	56	55	6.01	-10	-1	0.08	-10	1.38	1275	-1	0.05	153	260	-2	1.06	-2	7	59	-20
I766656	5.96	-0.5	41	101	73	6.04	-10	-1	0.07	-10	1.3	1190	-1	0.07	165	260	2	0.19	-2	9	50	-20
I766657	5.77	-0.5	51	143	122	6.77	-10	-1	0.06	-10	1.4	1295	-1	0.06	187	180	2	0.11	-2	11	58	-20
I766658	5.78	-0.5	49	52	104	5.32	-10	-1	0.07	-10	1.25	1040	1	0.06	156	190	2	0.4	-2	6	53	-20
I766659	6.07	-0.5	56	99	135	6.23	-10	-1	0.07	-10	1.59	1175	-1	0.06	190	130	-2	0.14	-2	10	51	-20
I766660	6.1	-0.5	48	142	78	7.68	10	-1	0.07	-10	1.96	1350	-1	0.06	183	200	-2	0.15	-2	11	56	-20
I766661	5.84	-0.5	33	62	42	5.48	-10	-1	0.07	-10	1.77	1165	-1	0.06	142	170	-2	0.11	-2	7	61	-20
I766662	6.21	-0.5	37	102	22	6.12	10	-1	0.04	-10	3.83	1175	-1	0.04	115	260	-2	0.04	-2	12	72	-20
I766663	6.05	-0.5	38	96	132	6.19	10	-1	0.08	-10	4.2	1125	-1	0.03	139	220	-2	0.36	-2	9	63	-20
I766664	4	0.6	39	103	408	11.2	10	-1	0.07	-10	3.12	809	-1	0.01	104	230	6	7.15	-2	8	47	-20
I766665	6.12	-0.5	38	84	107	6.33	-10	-1	0.07	-10	2.67	1150	-1	0.05	137	240	4	0.02	-2	11	81	-20
I766666	5.33	-0.5	45	95	148	6	-10	-1	0.08	-10	1.89	1035	-1	0.06	156	230	-2	0.06	-2	10	79	-20

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358351 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-42-2010	**EASTING:**	451890 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	701m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Assay Results SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGF	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM
I766667	565.20	565.80	0.60		I766667	0.04	0	0	0	0.04	0.3	1.67	144	-10	10	-0.5	-2	4.83
I766668	565.80	566.60	0.80	Granite dyke + quartz-carbonate vein	I766668	0.01	0	0	0	0.01	0.2	0.71	24	-10	20	-0.5	-2	3.2
I766669	566.60	567.35	0.75	Granite dyke + quartz-carbonate vein	I766669	0.01	0	0	0	0.01	0.3	0.68	20	-10	20	-0.5	2	3.72
I766670	567.35	567.90	0.55		I766670	0.01	0	0	0	0.01	0.2	1.73	89	-10	20	-0.5	2	4.93
I766671	567.90	569.00	1.10	Down-dip quartz vein	I766671	0.02	0	0	0	0.02	0.6	1.01	44	-10	10	-0.5	-2	4.53
I766672	569.00	570.00	1.00	Down-dip quartz vein	I766672	0.01	0	0	0	0.01	-0.2	0.68	25	-10	10	-0.5	-2	3.58
I766673	570.00	571.00	1.00		I766673	0.01	0	0	0	0.01	0.2	0.8	22	-10	10	-0.5	-2	3.78
I766674	571.00	571.00	0.00	Blank	I766674	0.01	0	0	0	0.01	-0.2	2.05	2	-10	10	-0.5	-2	1.91
I766675	571.00	571.00	0.00	Standard-L														
I766676	571.00	571.75	0.75															
I766677	571.75	572.75	1.00	Granite dyke	I766677	0.01	0	0	0	0.01	-0.2	1.65	13	-10	10	-0.5	-2	2.84
I766678	572.75	574.00	1.25	Granite dyke	I766678	0.01	0	0	0	0.01	0.3	1.44	35	-10	20	-0.5	-2	3.99
I766679	574.00	575.00	1.00		I766679	0.01	0	0	0	0.01	0.5	1.61	119	-10	10	-0.5	-2	7.27
I766680	575.00	575.70	0.70	In situ breccia; tr-1% pyrite; tr fuschite	I766680	0.01	0	0	0	0.01	0.4	1.37	156	-10	10	-0.5	-2	5.95
I766681	575.70	576.45	0.75	situ breccia; tr-1% pyrite; tr fuschite; qtz vein; tr	I766681	0.02	0	0	0	0.02	0.2	1.25	115	-10	10	-0.5	2	6.64
I766682	576.45	577.50	1.05		I766682	0.01	0	0	0	0.01	0.2	1.84	98	-10	10	-0.5	-2	6.85
I766683	577.50	578.30	0.80		I766683	-0.01	0	0	0	0	-0.2	1.54	119	-10	10	-0.5	-2	6.81
I766684	578.30	579.00	0.70		I766684	0.01	0	0	0	0.01	0.4	2.41	59	-10	10	-0.5	2	6.39
I766685	579.00	579.80	0.80		I766685	-0.01	0	0	0	0	0.4	2.17	48	-10	10	-0.5	-2	6.76
I766686	610.40	610.90	0.50	A 3cm-thick carbonate-hematite/jaspe vein	I766686	0.01	0	0	0	0.01	0.3	4.69	5	-10	10	-0.5	-2	8.48
I766687	610.90	611.90	1.00	Shoulder	I766687	-0.01	0	0	0	0	-0.2	4.02	5	-10	10	-0.5	-2	6.26
I766688	611.90	612.58	0.68		I766688	0.01	0	0	0	0.01	0.2	3.78	5	-10	-10	-0.5	-2	3.07
I766689	612.58	613.35	0.77		I766689	0.01	0	0	0	0.01	0.4	5.52	5	-10	-10	-0.5	2	4.44
I766690	613.35	614.40	1.05	Granite dyke	I766690	0.02	0	0	0	0.02	-0.2	2.95	5	-10	10	-0.5	-2	5.14
I766691	614.40	615.40	1.00	Shoulder	I766691	0.01	0	0	0	0.01	-0.2	3.71	6	-10	-10	-0.5	-2	2.32
I766692	617.20	617.70	0.50	Local iron fm xenolith/large clasts	I766692	0.03	0	0	0	0.03	0.4	3.6	23	-10	-10	-0.5	-2	2.69
I766693	617.70	618.50	0.80		I766693	0.01	0	0	0	0.01	-0.2	3.29	16	-10	-10	-0.5	-2	4.31
I766694	618.50	619.20	0.70		I766694	-0.01	0	0	0	0	0.2	2.72	20	-10	-10	-0.5	2	2.88
I766695	625.35	626.00	0.65		I766695	0.01	0	0	0	0.01	0.3	2.42	7	-10	10	-0.5	-2	4.52
I766696	626.00	627.00	1.00		I766696	0.01	0	0	0	0.01	0.4	3.86	3	-10	-10	-0.5	-2	5.24
I766697	627.00	628.50	1.50	Shoulder	I766697	0.01	0	0	0	0.01	0.4	3.98	11	-10	-10	-0.5	-2	4.92
I766698	628.50	629.30	0.80		I766698	0.04	0	0	0	0.04	0.8	2.2	21	-10	20	-0.5	9	5.01
I766699	629.30	629.30	0.00	Blank	I766699	-0.01	0	0	0	0	-0.2	2.02	5	-10	10	-0.5	2	0.56
I766700	629.30	629.30	0.00	Standard-H														
I766701	629.30	630.00	0.70															
I766702	630.00	630.50	0.50		I766702	0.04	0	0	0	0.04	-0.2	2.6	14	-10	20	-0.5	-2	13.4
I766703	630.50	631.10	0.60		I766703	0.01	0	0	0	0.01	-0.2	2.55	44	-10	30	-0.5	-2	11.15
I766704	631.10	632.00	0.90		I766704	0.01	0	0	0	0.01	-0.2	3.49	72	-10	30	-0.5	2	7.79
I766705	632.00	633.00	1.00		I766705	0.01	0	0	0	0.01	-0.2	3.85	58	-10	20	-0.5	-2	6.7
I766706	633.00	634.50	1.50	Shoulder	I766706	0.01	0	0	0	0.01	-0.2	3.89	60	-10	20	-0.5	-2	6.63
I766707	634.50	636.00	1.50	Shoulder	I766707	-0.01	0	0	0	0	-0.2	3.84	39	-10	-10	-0.5	2	3.69
I766708	636.00	637.50	1.50	Shoulder	I766708	-0.01	0	0	0	0	-0.2	3.35	17	-10	10	-0.5	-2	3.42
I766709	637.50	638.15	0.65		I766709	0.01	0	0	0	0.01	-0.2	2.1	19	-10	40	-0.5	-2	8.84
I766710	638.15	639.15	1.00		I766710	0.01	0	0	0	0.01	-0.2	3.1	52	-10	10	-0.5	-2	3.49
I766711	639.15	640.00	0.85	Shoulder	I766711	-0.01	0	0	0	0	-0.2	3.18	30	-10	-10	-0.5	-2	2.88
I766712	660.50	661.00	0.50	2-3% pyrite; tr-1% chalcopyrite	I766712	0.04	0	0	0	0.04	0.4	2.52	59	-10	60	-0.5	-2	4.76
I766713	661.00	661.80	0.80	1-2% pyrite	I766713	-0.01	0	0	0	0	-0.2	2.65	63	-10	10	-0.5	-2	2.5
I766714	664.00	664.90	0.90	Shoulder	I766714	0.01	0	0	0	0.01	0.2	2.65	45	-10	-10	-0.5	-2	1.65
I766715	664.90	665.40	0.50	Silica-pyrite on 3cm; 1-2% pyrite	I766715	0.06	0	0	0	0.06	-0.2	2.95	52	-10	40	-0.5	-2	4.7
I766716	665.40	666.25	0.85	Shoulder	I766716	0.01	0	0	0	0.01	-0.2	2.16	41	-10	20	-0.5	-2	5.52
I766717	679.30	679.80	0.50		I766717	-0.01	0	0	0	0	0.2	1.84	23	-10	20	-0.5	2	2.59
I766718	679.80	681.20	1.40		I766718	0.01	0	0	0	0.01	0.3	3.46	14	-10	-10	-0.5	-2	2.27
I766719	681.20	682.20	1.00	A 5cm-thick quartz vein	I766719	-0.01	0	0	0	0	0.3	3.26	22	-10	-10	-0.5	-2	2.19
I766720	682.20	682.90	0.70	3cm-thick semi-massive pyrite vein	I766720	1.17	0	0	0	1.17	3.3	3.08	132	-10	50	-0.5	5	3.11
I766721	682.90	684.00	1.10	Shoulder	I766721	0.30	0	0	0	0.3	4.8	3.06	28	-10	10	-0.5	10	2.88
I766722	694.30	695.10	0.80		I766722	0.02	0	0	0	0.02	-0.2	1.73	10	-10	-10	-0.5	-2	4.03
I766723	695.10	696.10	1.00		I766723	0.01	0	0	0	0.01	-0.2	3.52	23	-10	10	-0.5	-2	4.11
I766724	696.10	696.10	0.00	Blank	I766724	0.01	0	0	0	0.01	-0.2	2.13	-2	-10	10	-0.5	-2	0.59
I766725	696.10	696.10	0.00	Standard-L														
I766726	696.10	697.00	0.90															
I766727	697.00	698.00	1.00		I766727	0.01	0	0	0	0.01	-0.2	2.28	31	-10	10	-0.5	-2	7.16

Sample Number	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I766667	-0.5	39	99	262	6.15	10	-1	0.06	-10	1.87	973	-1	0.05	139	300	-2	0.07	-2	10	72	-20
I766668	-0.5	13	12	26	2.97	-10	-1	0.07	30	0.9	576	1	0.05	21	570	-2	-0.01	-2	4	48	-20
I766669	-0.5	11	11	53	3.51	-10	-1	0.09	20	1.06	698	2	0.05	22	680	-2	0.01	-2	4	63	-20
I766670	-0.5	39	95	28	6.6	10	-1	0.08	-10	1.87	1065	1	0.04	96	70	-2	0.04	2	11	84	-20
I766671	-0.5	26	13	249	4.94	-10	-1	0.04	10	1.39	970	3	0.03	26	270	-2	0.05	-2	8	74	-20
I766672	-0.5	16	13	52	3.34	-10	-1	0.03	10	1.08	732	2	0.04	12	220	-2	-0.01	-2	6	58	-20
I766673	-0.5	14	14	11	3.42	-10	-1	0.03	20	1.09	672	3	0.04	13	230	2	-0.01	-2	6	57	-20
I766674	-0.5	10	22	3	3.27	10	-1	0.04	20	1.79	353	-1	0.04	20	990	-2	-0.01	-2	5	11	-20
I766675																					
I766676																					
I766677	-0.5	16	13	2	4.52	10	-1	0.06	20	1.25	532	-1	0.05	33	910	-2	-0.01	-2	6	44	-20
I766678	-0.5	17	19	35	4.69	10	-1	0.07	20	1.51	733	1	0.05	42	1280	-2	0.01	-2	5	62	-20
I766679	-0.5	43	86	24	6.96	-10	-1	0.06	-10	3.02	1290	10	0.05	145	160	3	0.09	-2	13	100	-20
I766680	-0.5	45	90	86	5.47	-10	-1	0.09	-10	2.31	1005	6	0.06	166	170	-2	0.09	-2	11	70	-20
I766681	-0.5	53	82	222	6.6	-10	1	0.07	-10	2.7	1190	9	0.05	186	110	2	1.05	-2	11	70	-20
I766682	-0.5	44	118	18	6.79	-10	-1	0.07	-10	2.94	1185	2	0.06	146	190	-2	0.08	-2	12	60	-20
I766683	-0.5	41	123	34	6.3	-10	-1	0.06	-10	2.93	1250	-1	0.06	147	180	-2	-0.01	-2	11	59	-20
I766684	-0.5	34	115	125	6.91	10	-1	0.06	-10	3.67	1345	2	0.03	108	240	-2	0.02	-2	13	59	-20
I766685	-0.5	32	92	25	6.12	10	-1	0.1	-10	3.73	1215	1	0.02	102	250	-2	-0.01	-2	8	60	-20
I766686	-0.5	44	300	-1	8.22	20	-1	0.02	-10	3.4	1545	2	0.01	147	230	-2	0.38	-2	23	55	-20
I766687	-0.5	37	295	9	6.98	10	-1	0.02	-10	2.81	1295	-1	0.01	158	220	-2	0.41	-2	18	36	-20
I766688	-0.5	43	252	6	6.24	10	-1	0.01	-10	2.67	1055	-1	-0.01	179	210	-2	0.03	-2	10	31	-20
I766689	-0.5	49	254	1	9.29	20	1	0.02	-10	4.89	1610	2	0.01	182	200	-2	0.05	-2	19	19	-20
I766690	-0.5	30	135	16	5.15	10	-1	0.04	10	2.27	1240	-1	0.02	96	430	-2	0.21	2	12	28	-20
I766691	-0.5	46	217	50	7.63	10	-1	-0.01	-10	2.9	1530	-1	-0.01	195	200	-2	0.02	-2	10	25	-20
I766692	-0.5	47	232	476	8.36	10	-1	-0.01	-10	2.6	1385	-1	-0.01	165	160	-2	0.95	-2	8	19	-20
I766693	-0.5	48	263	113	6.03	10	-1	-0.01	-10	2.23	1315	-1	0.01	170	170	-2	0.28	-2	6	26	-20
I766694	-0.5	44	215	101	4.83	10	-1	0.01	-10	1.83	956	-1	0.02	165	160	-2	0.24	-2	7	23	-20
I766695	-0.5	22	110	70	3.98	10	-1	0.03	20	1.83	829	1	0.02	75	300	-2	0.06	-2	11	24	-20
I766696	-0.5	34	139	108	5.93	10	-1	0.01	-10	3.12	1175	-1	0.01	119	310	-2	0.06	-2	9	24	-20
I766697	-0.5	43	204	139	5.94	10	-1	0.01	-10	3.05	1085	6	0.01	160	230	-2	0.13	-2	10	32	-20
I766698	-0.5	29	141	362	4	10	-1	0.12	10	1.23	742	1	0.01	111	340	2	0.35	-2	6	18	-20
I766699	-0.5	11	23	4	3.4	10	-1	0.03	10	1.81	291	-1	0.05	20	990	-2	-0.01	-2	6	7	-20
I766700																					
I766701																					
I766702	-0.5	24	101	5	4.65	10	-1	0.12	-10	1.45	1380	-1	-0.01	116	180	-2	0.37	-2	6	66	-20
I766703	-0.5	33	96	76	4.68	-10	-1	0.15	-10	1.31	1295	-1	-0.01	121	200	-2	0.3	-2	5	51	-20
I766704	-0.5	40	162	130	5.93	-10	-1	0.16	-10	1.84	1130	-1	-0.01	157	180	-2	0.17	-2	7	32	-20
I766705	-0.5	39	214	43	6.45	-10	-1	0.11	-10	2.38	1190	-1	-0.01	160	200	-2	-0.01	-2	9	24	-20
I766706	-0.5	45	243	105	6.63	10	-1	0.11	-10	2.42	1245	-1	-0.01	179	190	-2	0.13	2	13	23	-20
I766707	-0.5	44	290	123	6.19	10	-1	-0.01	-10	2.72	1105	-1	0.01	179	190	-2	0.11	-2	13	27	-20
I766708	-0.5	38	257	126	5.39	10	-1	0.02	10	2.35	991	-1	0.01	158	190	-2	0.1	-2	13	25	-20
I766709	-0.5	21	97	258	3.81	-10	-1	0.14	10	1.29	1100	-1	-0.01	98	320	-2	0.47	-2	6	28	-20
I766710	-0.5	46	268	109	5.47	10	-1	0.02	-10	2.04	948	-1	0.02	177	180	-2	0.41	-2	10	18	-20
I766711	-0.5	41	288	34	4.98	-10	-1	-0.01	-10	2.17	943	-1	0.01	182	190	-2	0.02	-2	8	31	-20
I766712	7	35	148	280	5.1	-10	-1	0.19	-10	1.57	1140	-1	-0.01	175	200	-2	0.89	-2	4	10	-20
I766713	-0.5	41	228	62	4.7	-10	-1	0.03	-10	1.75	922	-1	0.01	169	180	-2	0.17	2	4	13	-20
I766714	-0.5	51	254	133	4.37	-10	-1	0.01	-10	1.85	753	-1	0.02	181	180	-2	0.13	-2	6	18	-20
I766715	-0.5	48	226	87	5.39	-10	-1	0.14	-10	2	1055	1	-0.01	180	200	-2	0.56	-2	6	8	-20
I766716	-0.5	33	143	75	3.98	10	-1	0.07	10	1.44	905	-1	0.01	105	330	-2	0.11	2	6	35	-20
I766717	-0.5	27	141	18	3.2	-10	-1	0.04	10	1.16	659	2	0.02	104	170	-2	0.03	-2	4	16	-20
I766718	-0.5	47	228	204	6.72	10	-1	0.01	-10	2.39	1210	-1	-0.01	163	180	-2	0.34	-2	7	20	-20
I766719	-0.5	42	225	77	5.61	-10	-1	0.01	-10	2.27	1105	68	-0.01	153	180	-2	0.08	-2	6	17	-20
I766720	-0.5	51	223	370	7.94	-10	-1	0.2	-10	1.93	1105	-1	0.01	201	210	-2	3.3	-2	6	11	-20
I766721	-0.5	44	232	56	5.06	-10	-1	0.02	-10	2.03	1040	132	0.01	170	190	-2	0.18	-2	7	20	-20
I766722	-0.5	19	67	46	3.34	-10	-1	0.01	-10	1.05	730	3	-0.01	77	100	-2	-0.01	-2	6	18	-20
I766723	-0.5	47	284	57	6.39	10	-1	0.01	-10	2.41	1200	-1	0.01	185	210	-2	-0.01	-2	5	11	-20
I766724	-0.5	12	24	-1	4.43	10	-1	0.04	20	1.9	339	-1	0.1	20	920	-2	-0.01	-2	6	7	-20
I766725																					
I766726																					
I766727	-0.5	37	263	84	4.43	10	-1	0.01	-10	1.43	1055	-1	0.02	139	180	-2	-0.01	-2	14	13	-20

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358360 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-42X-2010	EASTING:	451897 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	899m
START DATE:		Line 9+50E; Station 7+00N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
701.00	**860.95**	**159.95**	**Mafic volcanic rock**
			Chlorite-rich. Massive flow/flow breccia/glaumeropophyric (locally); including carbonate veinlets/tension gashes
703.81	704.15		Iron formation xenolith; magnetite-rich; 1-2% disseminated pyrite
704.93	704.97		Semi-massive pyrite vein + carbonate; 75TCA
705.09	705.18		1-2% disseminated pyrite grains
706.50	706.58		Quartz vein + Kspar alteration along edges; 25TCA
709.36	709.51		Zone with up to 5% pyrite associated with carbonate filled fractures
713.52	713.57		A 4cm-thick quartz-pyrite vein; 40TCA; 10-15% pyrite
714.58	716.00		Series of pyrite stringers/veinlets at a 5-10cm interval; 45TCA
715.39	715.48		A 8cm-thick quartz-pyrite vein; 45TCA. 10% pyrite
716.52	716.54		A 2cm-thick pyrite-carbonate vein; 60TCA
719.45	721.85		Granite dyke; pervasive carbonate-(chlorite) alteration; tr-1% disseminated pyrite
721.87	721.94		A 6cm-thick quartz-(chlorite) vein; 45TCA
722.20	722.85		Local pyrite stringers at a 20cm interval; 40TCA
727.31	727.38		Small pegmatite dyke (Felds-Quartz-Chlorite)
731.56	731.65		Small pegmatite dyke (Felds-Quartz-Chlorite); 20TCA
754.16	754.44		Series of quartz-chlorite veins; 70TCA. (+bleaching associated)
754.70	754.76		A quartz-chlorite vein (+bleaching associated); 35TCA. Tr chalcopyrite
754.84	755.00		A quartz-chlorite vein (+bleaching associated); 30TCA. Tr chalcopyrite
761.84	761.87		A 2.5cm-thick pyrite-carbonate vein; 75TCA. Semi-massive pyrite; pyrite is also associated as alteration (2-3% euhedral grains)
769.00	769.25		Broken core
774.60	778.00		Zone with tr-1% disseminated pyrite; voids are associated (due to dissolution of carbonate). Bleaching is locally associated
776.86	776.89		2-3% pyrite + disseminated voids
799.88	800.00		Zone with 2% chalcopyrite associated with late(?) carbonate veins
806.75	806.85		A disrupted quartz-Kspar vein (1cm-thick); large euhedral grains of pyrite are associated (5%PY).
813.79	814.12		A disrupted granite dyke (disrupted along carbonate tension gashes)
819.35	819.56		Carbonate-(quartz)-(chlorite) vein; trace of pyrrhotite-chalcopyrite along edges; 80TCA
820.47	820.81		Quartz-epidote-chlorite vein(?) or silicified zone
823.64	823.86		Granite dyke
824.79	825.06		Granite dyke; pegmatitic
832.50	833.23		Granite dyke
836.26	836.59		Granite dyke
836.73	837.02		Granite dyke
842.69	842.79		Pegmatite dyke
852.90	858.75		Mafic volcanic rock; pervasive bleaching and/or sericite alteration(?). The rock is light green to grey color
858.75	859.50		Magnetic horizon (due to disseminated magnetite?)
859.50	860.95		Hematite pervasive alteration giving the rock a pinkish-green color
860.95	**875.68**	**14.73**	**QFP**
			Pervasive carbonate-ankerite/sericite alteration (beige color). Tr very fine grained pyrite and local quartz veins (cm-thick)
872.15	872.82		Mafic volcanic rock (xenolith)
875.68	**899.00**	**23.32**	**Mafic volcanic rock**
			Chlorite-rich. Idem as previous. Locally magnetic
875.68	877.25		Contact zone; pervasive hematite alteration associated; magnetic
888.16	888.28		Granite dyke
888.39	888.80		Granite dyke; locally down-dip
889.14	889.41		Granite dyke; carbonate alteration
889.58	890.95		Zone with small granite dyke (<10cm-thick at a 15 to 20cm interval) + carbonate alteration
897.16	897.19		Quartz vein + Kspar alteration along edges; 35TCA
899.00	EOH		

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358360 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-42X-2010	EASTING:	451897 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	899m
START DATE:	0.00			CORE SIZE:	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code	Comment	Assay Results
J918528	703.80	704.80	1.00	shoulder		J918528 0.013 -0.2 2.04 10 -10 -10 -0.5 -2 3.13 -0.5 32 137 126 6.6 -10 -1 -0.01 -10 1.25 880 -1 0.02 116 220 2 0.08 -2 5 31 -20 0.15 -10 -10 59 -10 54
J918529	704.80	705.30	0.50	local py vein		J918529 2.64 1.1 3.39 71 -10 10 -0.5 2 2.31 -0.5 65 203 305 7.7 -10 -1 0.01 -10 2.36 1155 -1 0.03 185 220 3 2.4 -2 7 20 -20 0.15 -10 -10 117 -10 102
J918530	705.30	706.00	0.70	shoulder		J918530 0.005 -0.2 2.79 32 -10 -10 -0.5 -2 2.6 -0.5 45 203 194 4.56 -10 -1 -0.01 -10 1.76 896 1 0.05 155 210 -2 0.11 -2 7 32 -20 0.2 -10 -10 95 -10 67
J918531	708.50	709.25	0.75	shoulder		J918531 0.013 -0.2 4.28 7 -10 -10 -0.5 -2 5.02 -0.5 38 129 109 5.69 10 -1 -0.01 -10 4.21 1015 -1 0.03 105 250 2 0.06 -2 18 33 -20 0.16 -10 -10 161 -10 62
J918532	709.25	710.00	0.75	up to 5% py		J918532 5.35 1.7 3.98 52 -10 20 -0.5 4 4.7 -0.5 39 99 341 7.52 10 -1 0.04 -10 3.56 923 10 0.03 93 310 3 2.77 -2 14 22 -20 0.1 -10 -10 124 -10 60
J918533	710.00	711.00	1.00	shoulder		J918533 0.02 -0.2 3.67 12 -10 10 -0.5 -2 3.37 -0.5 28 78 42 5.96 10 -1 0.01 10 3.13 958 3 0.05 73 450 -2 0.32 -2 13 23 -20 0.15 -10 -10 110 -10 72
J918534	711.00	712.25	1.25	shoulder		J918534 -0.005 -0.2 2.36 2 -10 10 -0.5 -2 1.47 -0.5 14 4 19 4.91 10 -1 -0.01 10 1.36 828 1 0.06 10 790 2 0.09 -2 4 32 -20 0.13 -10 -10 18 -10 78
J918535	712.25	713.40	1.15	shoulder		J918535 -0.005 -0.2 2.57 16 -10 20 -0.5 -2 4.35 -0.5 12 2 17 5.3 10 -1 0.09 10 1.14 905 1 0.06 3 820 2 0.08 -2 5 45 -20 0.02 -10 -10 14 -10 88
J918536	713.40	713.90	0.50	quartz py veins		J918536 2.67 1.4 1.87 110 -10 30 -0.5 5 3.18 -0.5 14 -1 62 5.65 -10 -1 0.23 10 0.78 656 2 0.05 3 840 5 3.05 -2 2 36 -20 0.01 -10 -10 5 -10 83
J918537	713.90	714.40	0.50	shoulder		J918537 0.007 -0.2 2.26 21 -10 20 -0.5 -2 4.43 -0.5 11 1 38 4.74 -10 -1 0.09 10 1.04 971 1 0.05 5 770 3 0.4 -2 3 49 -20 0.01 -10 -10 8 -10 84
J918538	714.40	715.00	0.60	py veins/veinlets		J918538 1.585 1.4 1.83 137 -10 30 -0.5 2 2.56 -0.5 12 -1 130 6.31 -10 -1 0.22 10 0.89 562 -1 0.03 6 790 3 4.11 -2 2 29 -20 0.01 -10 -10 5 -10 51
J918539	715.00	716.00	1.00	py veinlets + quartz py veins		J918539 3.8 1.6 1.61 204 -10 40 -0.5 2 2.67 -0.5 12 3 165 6.28 -10 1 0.18 10 0.73 573 1 0.02 11 760 4 4.93 -2 1 28 -20 -0.01 -10 -10 6 -10 51
J918540	716.00	716.75	0.75	local py-carb vein		J918540 1.265 -0.2 2.41 77 -10 40 -0.5 -2 3.84 -0.5 12 1 109 5.66 10 1 0.18 10 0.81 893 1 0.03 10 800 3 1.62 -2 2 40 -20 -0.01 -10 -10 10 -10 74
J918541	716.75	717.50	0.75			J918541 0.012 -0.2 2.54 10 -10 30 -0.5 -2 3.18 -0.5 9 1 16 5.04 10 1 0.08 10 0.93 822 -1 0.04 6 840 -2 0.1 -2 4 31 -20 0.02 -10 -10 12 -10 75
J918542	721.00	721.85	0.85	granite shoulder+tr py		J918542 -0.005 -0.2 1.9 15 -10 30 -0.5 -2 3.43 -0.5 12 17 15 3.18 10 -1 0.1 20 1.02 498 1 0.04 24 900 -2 0.05 -2 4 32 -20 0.01 -10 -10 29 -10 38
J918543	721.85	722.85	1.00	local py stringers		J918543 0.005 -0.2 2.39 22 -10 40 -0.5 5 4.14 -0.5 17 14 50 4.36 10 -1 0.09 10 1.09 725 1 0.04 39 650 -2 0.14 -2 6 36 -20 0.01 -10 -10 25 -10 55
J918544	722.85	723.50	0.65	shoulder		J918544 0.007 -0.2 2.6 13 -10 30 -0.5 -2 3.29 -0.5 15 21 29 4.99 10 1 0.06 10 1.15 736 1 0.05 17 800 -2 0.17 -2 6 25 -20 0.05 -10 -10 24 10 62
J918545	754.00	755.00	1.00	quartz veins + bleaching		J918545 0.011 -0.2 2.75 -2 -10 20 -0.5 -2 4.6 -0.5 20 74 113 3.54 10 1 0.09 -10 1.97 665 2 0.03 69 110 -2 0.02 -2 5 69 -20 -0.01 -10 -10 41 -10 37
J918546	755.00	755.70	0.70	quartz vein		J918546 0.009 -0.2 4.6 -2 -10 20 -0.5 -2 6.21 -0.5 32 156 83 5.71 10 1 0.06 -10 3.52 996 1 0.03 110 180 2 0.03 -2 11 67 -20 -0.01 -10 -10 97 -10 70
J918547	761.70	761.70	0.00	shoulder		J918547 0.006 -0.2 6.05 5 -10 20 -0.5 -2 9.1 -0.5 31 203 231 7.47 10 1 0.03 -10 4.15 1390 -1 0.02 122 260 2 0.08 -2 19 75 -20 0.01 -10 -10 142 -10 103
J918548	761.70	762.30	0.60	py semi-massive vein		J918548 7.88 7.4 6.31 91 -10 20 -0.5 3 3.96 -0.5 62 135 185 11 20 1 0.01 -10 4.32 1035 -1 0.01 94 210 2 4.57 -2 15 32 -20 0.01 -10 -10 130 -10 109
J918549	761.70	761.70	0.00	Blank CAR-38-2010, B.31, 128.50-129.00		J918549 0.017 -0.2 2.34 2 -10 40 -0.5 -2 3.66 -0.5 15 23 1 3.62 10 1 0.14 10 1.81 561 -1 0.04 26 1170 -2 0.01 -2 5 45 -20 0.1 -10 -10 41 -10 69
J918550	761.70	761.70	0.00	Standard H		J918550 3.64 -0.2 1.25 2 -10 90 0.6 -2 0.51 -0.5 14 43 20 2.26 -10 1 0.32 10 1.11 339 1 0.49 58 880 2 -0.01 -2 1 114 -20 0.28 -10 -10 34 -10 29
J918551	762.30	763.00	0.70	shoulder		J918551 0.018 -0.2 4.81 6 -10 20 -0.5 -2 6.52 -0.5 35 243 183 5.91 10 1 0.02 -10 3.25 1065 -1 0.03 134 190 -2 0.01 -2 23 52 -20 0.01 -10 -10 177 -10 83
J918552	774.00	774.60	0.60	shoulder		J918552 0.006 -0.2 2.55 2 -10 20 -0.5 -2 2.03 -0.5 12 1 70 4.66 10 1 0.01 10 1.1 475 -1 0.06 4 1040 -2 0.18 -2 7 12 -20 0.01 -10 -10 21 -10 62
J918553	774.60	775.20	0.60	1-2% diss py		J918553 0.005 -0.2 3.05 3 -10 20 -0.5 -2 3.37 -0.5 16 1 25 5.54 10 1 0.01 10 1.33 629 -1 0.06 5 950 -2 0.19 -2 9 23 -20 0.01 -10 -10 26 -10 74
J918554	775.20	776.00	0.80	tr-1% diss py		J918554 0.007 -0.2 2.94 -2 -10 20 -0.5 -2 1.46 -0.5 17 1 3 5.53 10 1 0.03 10 1.35 496 -1 0.07 4 1210 -2 0.33 -2 7 10 -20 0.01 -10 -10 25 -10 71
J918555	776.00	776.70	0.70	tr-1% diss py		J918555 0.016 -0.2 4.78 4 -10 20 -0.5 -2 0.99 -0.5 36 1 34 7.86 20 2 0.02 10 2.96 662 -1 0.04 9 1380 -2 0.74 -2 11 9 -20 0.01 -10 -10 61 -10 111
J918556	776.70	777.30	0.60	locally 2-3% py		J918556 0.006 -0.2 2.84 -2 -10 20 -0.5 -2 3.04 -0.5 16 1 4 4.75 10 1 0.01 10 1.54 607 5 0.07 7 1160 -2 0.28 -2 9 19 -20 0.01 -10 -10 30 -10 68
J918557	777.30	778.00	0.70	tr-1% diss py		J918557 0.008 -0.2 3.48 5 -10 20 -0.5 -2 2.3 -0.5 19 1 1 5.59 10 1 0.02 20 1.95 644 28 0.06 7 1080 2 0.06 -2 8 15 -20 0.01 -10 -10 32 -10 86
J918558	778.00	779.00	1.00	shoulder		J918558 0.008 -0.2 3.5 3 -10 20 -0.5 -2 3.45 -0.5 23 -1 166 5.39 10 2 0.03 10 2.16 710 15 0.05 17 1110 -2 0.68 -2 9 29 -20 0.01 -10 -10 36 -10 78
J918559	799.60	800.10	0.50	2-3% cpy		J918559 0.008 1.5 2.75 3 -10 20 -0.5 -2 6.73 -0.5 16 -1 4570 4.87 10 1 0.01 10 1.52 755 -1 0.06 1 1050 4 4.3 -2 10 197 -20 0.08 -10 -10 20 -10 67
J918560	806.00	806.50	0.50	shoulder		J918560 0.016 0.2 4.51 4 -10 10 -0.5 -2 2.6 -0.5 36 180 141 5.87 10 1 -0.01 -10 3.93 1150 -1 0.02 113 220 -2 0.17 -2 8 33 -20 0.18 -10 -10 124 -10 84
J918561	806.50	807.00	0.50	locally 5% py		J918561 0.32 -0.2 5.32 7 -10 10 -0.5 -2 2.46 -0.5 39 213 324 7.28 10 -1 -0.01 -10 4.42 1275 -1 0.02 138 200 -2 0.63 -2 7 37 -20 0.17 -10 -10 138 -10 92
J918562	807.00	807.70	0.70	shoulder		J918562 0.012 -0.2 3.49 -2 -10 10 -0.5 -2 1.7 -0.5 32 153 115 4.53 10 1 -0.01 -10 3.05 845 -1 0.02 101 200 -2 0.1 -2 5 29 -20 0.16 -10 -10 90 -10 59
J918563	852.90	854.00	1.10	mafic volcanic rock bleaching		J918563 -0.005 -0.2 2.26 -2 -10 20 -0.5 -2 5.81 -0.5 31 88 28 5.46 10 -1 0.05 10 3.88 1025 -1 0.05 92 190 -2 -0.01 -2 11 73 -20 -0.01 -10 -10 65 -10 68
J918564	854.00	855.00	1.00	mafic volcanic rock bleaching		J918564 -0.005 -0.2 1.57 -2 -10 20 -0.5 -2 3.96 -0.5 22 56 10 4.11 10 -1 0.05 10 2.38 690 -1 0.06 58 310 -2 0.02 -2 8 51 -20 -0.01 -10 -10 43 -10 53
J918565	855.00	856.00	1.00	mafic volcanic rock bleaching		J918565 0.008 -0.2 1.32 3 -10 20 -0.5 -2 5.01 -0.5 28 57 46 5.46 -10 1 0.07 10 2.24 833 1 0.07 84 280 -2 0.08 -2 8 74 -20 -0.01 -10 -10 40 -10 69
J918566	856.00	857.00	1.00	mafic volcanic rock bleaching		J918566 -0.005 -0.2 0.55 -2 -10 20 -0.5 -2 7.4 -0.5 37 41 34 6.15 -10 -1 0.07 -10 2.16 1285 -1 0.1 113 220 -2 0.09 -2 7 86 -20 -0.01 -10 -10 35 -10 75
J918567	857.00	858.00	1.00	mafic volcanic rock bleaching		J918567 0.025 -0.2 1 5 -10 20 -0.5 -2 6.21 -0.5 31 55 272 6.35 -10 -1 0.06 10 1.97 1185 -1 0.08 81 290 2 0.33 -2 9 75 -20 -0.01 -10 -10 29 -10 101
J918568	858.00	858.75	0.75	mafic volcanic rock bleaching		J918568 0.017 -0.2 1.56 4 -10 20 -0.5 -2 5.28 -0.5 26 29 151 6.02 10 1 0.04 10 2.21 1065 -1 0.1 54 650 2 0.31 -2 10 71 -20 -0.01 -10 -10 30 -10 92
J918569	858.75	859.50	0.75	magnetic zone		J918569 0.009 -0.2 0.66 -2 -10 20 -0.5 -2 3.37 -0.5 12 1 31 4.18 -10 -1 0.05 10 0.85 617 -1 0.09 9 880 -2 0.14 -2 3 40 -20 -0.01 -10 -10 6 -10 45
J918570	859.50	860.25	0.75	mafic volcanic rock bleaching		J918570 0.006 -0.2 0.89 -2 -10 30 -0.5 -2 3.67 -0.5 13 1 57 4.23 -10 -1 0.08 10 0.85 674 1 0.08 7 920 -2 0.13 -2 3 43 -20 -0.01 -10 -10 4 -10 65
J918571	860.25	860.95	0.70	mafic volcanic rock bleaching		J918571 0.006 0.3 1.27 -2 -10 30 -0.5 -2 3.26 -0.5 13 1 42 5.24 10 -1 0.06 10 0.92 715 -1 0.09 2 920 -2 0.08 -2 4 42 -20 -0.01 -10 -10 8 -10 86
J918572	860.95	862.00	1.05	QFP		J918572 -0.005 -0.2 0.26 -2 -10 30 -0.5 -2 2.1 -0.5 7 2 1 1.73 -10 -1 0.11 10 0.45 229 -1 0.06 5 400 -2 -0.01 -2 1 29 -20 -0.01 -10 -10 2 -10 18
J918573	862.00	863.00	1.00	QFP		J918573 -0.005 -0.2 0.35 2 -10 40 -0.5 -2 2.03 -0.5 5 1 1 1.59 -10 -1 0.17 10 0.48 240 -1 0.04 4 420 -2 -0.01 -2 1 32 -20 -0.01 -10 -10 2 -10 16
J918574	862.00	862.00	0.00	Blank CAR-38-2010, B.31, 129.00 - 129.50		J918574 -0.005 -0.2 2.2 -2 -10 50 -0.5 -2 3.53 -0.5 13 20 -1 3.3 10 -1 0.15 10 1.62 567 -1 0.04 23 1110 -2 -0.01 -2 4 41 -20 0.09 -10 -10 29 -10 67
J918575	862.00	862.00	0.00	Standard L		J918575 0.081 -0.2 1.67 -2 -10 60 0.9 -2 0.72 -0.5 20 55 29 3.08 -10 -1 0.39 10 1.45 444 1 0.62 75 1100 6 0.01 -2 1 172 -20 0.39 -10 -10 50 -10 43
J918576	863.00	864.00	1.00	QFP		J918576 -0.005 -0.2 0.3 -2 -10 30 -0.5 -2 2.34 -0.5 6 1 -1 1.78 -10 -1 0.14 10 0.5 260 -1 0.05 3 430 -2 -0.01 -2 1 32 -20 -0.01 -10 -10 2 -10 18
J918577	864.00	865.00	1.00	QFP		J918577 -0.005 -0.2 0.36 -2 -10 30 -0.5 -2 2.25 -0.5 6 2 -1 1.85 -10 -1 0.14 10 0.48 219 -1 0.06 3 420 -2 0.01 -2 1 37 -20 -0.01 -10 -10 2 -10 16
J918578	865.00	866.00	1.00	QFP		J918578 -0.005 -0.2 0.26 -2 -10 30 -0.5 -2 2.24 -0.5 5 2 -1 1.77 -10 -1 0.12 10 0.49 202 -1 0.06 3 420 -2 0.01 -2 1 36 -20 -0.01 -10 -10 2 -10 14
J918579	866.00	867.00	1.00	QFP		J918579 -0.005 -0.2 0.29 -2 -10 30 -0.5 -2 2.19 -0.5 5 3 -1 1.98 -10 -1 0.12 10 0.49 205 -1 0.07 3 400 -2 0.02 -2 1 40 -20 -0.01 -10 -10 2 -10 14
J918580	867.00	868.00	1.00	QFP		J918580 -0.005 -0.2 0.29 -2 -10 30 -0.5 -2 2.11 -0.5 6 2 -1 1.79 -10 -1 0.11 10 0.49 168 -1 0.06 3 420 -2 0.02 -2 1 39 -20 -0.01 -10 -10 2 -10 13
J918581	868.00	869.00	1.00	QFP		J918581 -0.005 -0.2 0.33 -2 -10 30 -0.5 2 2.16 -0.5 5 2 3 1.9 -10 -1 0.12 10 0.5 170 -1 0.07 4 430 -2 0.01 -2 1 40 -20 -0.01 -10 -10 3 -10 14
J918582	869.00	870.00	1.00	QFP		J918582 0.01 0.7 0.27 -2 -10 30 -0.5 9 2.03 -0.5 6 3 4 1.7 -10 -1 0.12 10 0.45 159 -1 0.05 3 460 -2 0.06 -2 1 36 -20 -0.01 -10 -10 2 -10 14
J918583	870.00	871.00	1.00	QFP		J918583 -0.005 -0.2 0.33 -2 -10 30 -0.5 -2 2.34 -0.5 5 2 -1 2 -10 -1 0.13 10 0.52 212 -1 0.06 4 430 -2 0.02 -2 1 43 -20 -0.01 -10 -10 2 -10 14
J918584	871.00	872.00	1.00	QFP		J918584 0.006 -0.2 0.33 -2 -10 30 -0.5 2 2.17 -0.5 7 3 9 1.94 -10 -1 0.12 10 0.5 207 -1 0.07 4 420 -2 0.09 -2 1 39 -20 -0.01 -10 -10 2 -10 17
J918585	872.00	873.00	1.00	QFP		J918585 0.006 -0.2 0.8 -2 -10 30 -0.5 -2 3.1 -0.5 13 36 37 3.71 -10 -1 0.11 10 0.67 440 -1 0.1 12 670 -2 0.29 -2 3 51 -20 0.01 -10 -10 12 -10 46
J918586	873.00	874.00	1.00	QFP		J918586 -0.005 -0.2 0.32 -2 -10 30 -0.5 -2 2.28 -0.5 6 4 2 1.97 -10 -1 0.11 10 0.51 229 -1 0.07 4 420 -2 0.05 -2 1 43 -20 -0.01 -10 -10 2 -10 16
J918587	874.00	875.00	1.00	QFP		J918587 0.005 -0.2 0.37 -2 -10 30 -0.5 -2 2.01 -0.5 6 3 -1 1.87 -10 -1 0.11 10 0.47 207 -1 0.08 4 410 -2 0.02 -2 1 38 -20 -0.01 -10 -10 3 -10 17
J918588	875.00	875.68	0.68	QFP		J918588 -0.005 -0.2 0.38 -2 -10 20 -0.5 -2 2.12 -0.5 7 3 5 2.06 -10 -1 0.09 10 0.47 287 -1 0.07 3 440 -2 0.06 -2 1 35 -20 -0.01 -10 -10 3 -10 19
J918589	875.68	876.50	0.82	shoulder		J918589 0.008 -0.2 1.18 -2 -10 20 -0.5 -2 3.28 -0.5 13 1 18 4.83 -10 1 0.07 10 0.71 569 -1 0.1 -1 830 -2 0.11 -2 4 42 -20 -0.01 -10 -10 7 -10 64
J918590	876.50	877.25	0.75	shoulder		J918590 -0.005 -0.2 1.05 -2 -10 20 -0.5 -2 3.23 -0.5 13 -1 16 5.13 -10 -1 0.07 10 0.67 666 -1 0.09 -1 850 -2 0.03 -2 4 38 -20 -0.01 -10 -10 7 -10 75

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357957 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-43-2010	EASTING:	451799 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	266m
START DATE:		Line 8+50E; Station 3+11N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensit				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	13,50	13,50	OB																		Casing/Overburden
13,50	170,60	157,10																			Granite
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
13,50	70,35																				Pervasive sericite/chlorite-silica-carbonate alteration zone (greenish-grey color) with well-developed schistosity (down-dip). Fractures with geothite along the edges occur near the surface.
13,50	14,50																				Broken core
18,20	18,40																				Broken and partially broken core
24,00	24,00																				Schistosity: 5TCA
31,00	31,00																				Schistosity: down-dip
39,15	39,27																				3-4% pyrite as disseminated grains and in calcite and quartz veinlets (~cm-thick); 65TCA
39,61	39,68																				3-4% pyrite as disseminated grains and in calcite and quartz veinlets (~cm-thick); 65TCA
52,12	52,12																				Fine pyrite stringer; 50TCA
52,28	52,48																				Late open-space fracturing/brecciation partially filled with carbonate minerals
53,00	53,00																				Schistosity: 25TCA, marked by chlorite/epidote minerals
53,33	53,34																				Carbonate vein (35TCA) with 1% euhedral pyrite
59,74	59,77																				A 3cm-thick quartz-pyrite vein; 5% pyrite; 65TCA
70,62	70,63																				A 1cm-thick aplite(?) dyke/vein; 50TCA
71,45	71,49																				A 5cm-thick aplite dyke/vein; 60TCA
74,15	74,19																				A 4cm-thick aplite dyke/vein; 60TCA
74,43	74,47																				A 4cm-thick aplite dyke/vein; 65TCA
75,89	75,91																				A 2cm-thick aplite dyke/vein; 65TCA
78,75	78,76																				A 0.5cm-thick aplite dyke/vein; 65TCA
80,97	80,98																				A 1cm-thick carbonate-chlorite vein within a sericite-carbonate alteration zone; 60TCA
88,29	88,32																				A 2cm-thick carbonate vein; 55TCA
89,78	89,79																				A 0.5cm-thick quartz-carbonate with ankerite-silica alteration associated (~5cm wide zone on either sides); 50TCA
90,34	90,35																				A 1cm-thick quartz-pyrite vein (5% PY; 55TCA; ankerite-silica alteration associated (~10cm wide zone on either sides); 50TCA
93,58	95,00																				Weak to moderate carbonate alteration zone (light grey color)
98,26	98,29																				A 2cm-thick aplite dyke/vein; 65TCA
98,32	98,34																				A 2cm-thick aplite dyke/vein; 65TCA
98,66	98,72																				Sericite-carbonate alteration zone including a 0.5cm-thick quartz-carbonate vein + 1% disseminated pyrite; 55TCA
101,12	101,15																				Sericite-carbonate alteration zone including a 0.5cm-thick carbonate veinlet + tr-1% disseminated pyrite; 55TCA
101,30	101,32																				Sericite-carbonate alteration zone including a 0.5cm-thick carbonate stringer + tr-1% disseminated pyrite; 55TCA
102,49	102,50																				Sericite-carbonate alteration zone including a 0.5cm-thick carbonate stringer + tr-1% disseminated pyrite; 55TCA
102,85	107,07																				Sericite-carbonate alteration zone (grey color) including few mineralized zones
103,25	103,27																				A 2cm-thick quartz-pyrite vein; 50TCA; 4% pyrite
103,39	103,43																				Two pyrite-carbonate stringers (60 to 70TCA); 2-3% pyrite
103,57	103,60																				A 2cm-thick quartz-pyrite vein; 55TCA; 2-3% pyrite
105,21	105,21																				1% pyrite as veinlet
107,02	107,03																				A 1cm-thick pyrite-carbonate vein; 65TCA; 2% pyrite
108,91	109,10																				Series of three pyrite-carbonate-(quartz) veinlets (0.5cm-thick; at a 7cm interval); a sericite-carbonate-silica alteration is associated
112,30	112,35																				A 4cm-thick quartz-pyrite vein; 60TCA; 5% pyrite as coarse euhedral crystals. Sericite-silica-carbonate alteration zone is associated

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357957 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-43-2010	EASTING:	451799 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	266m
START DATE:		Line 8+50E; Station 3+11N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
112,52	112,53																			A 0.5cm-thick carbonate-pyrite veinlet; 55TCA; 1-2% pyrite
112,63	112,64																			A 0.5cm-thick carbonate-pyrite veinlet; 55TCA; 1-2% pyrite
113,20	113,22																			A 2cm-thick quartz-pyrite-carbonate vein; 45TCA; 3-4% pyrite
113,43	113,44																			A 1cm-thick carbonate-pyrite veinlet; 60TCA; 1-2% pyrite
110,90	117,20																			Sericite-carbonate-silica alteration zone (medium to dark grey color); including few mineralized zones
114,16	114,17																			A 0.7cm-thick quartz-pyrite-carbonate vein; 60TCA; 2% pyrite
114,88	114,89																			A 0.5cm-thick quartz-pyrite-carbonate vein; 50TCA; 1-2% pyrite
115,12	115,15																			A 2cm-thick pyrite-carbonate-(quartz) vein; 25TCA; 2% pyrite
116,13	116,16																			A 2cm-thick quartz-pyrite-carbonate vein; 65TCA; 1-2% pyrite
121,95	122,32																			Strong sericite-silica alteration zone; schistosity well-developed (down-dip)
128,00	138,65																			Carbonate-sericite-(silica) alteration zone (light to medium grey color); including several carbonate tension fractures (~50TCA; at a 10-20cm interval)
131,84	131,85																			A 1cm-thick quartz vein + tr pyrite along the edges; 35TCA
131,95	132,01																			A 4cm-thick quartz-carbonate-chlorite vein; 40TCA
132,16	132,17																			A 1cm-thick quartz-carbonate-chlorite vein; 40TCA
132,32	132,34																			A 1cm-thick quartz vein; 40TCA
132,47	132,48																			A 0.5cm-thick pyrite-calcite veinlet; 60TCA
136,39	136,40																			Tr pyrite in a carbonate stringer; 25TCA
144,93	144,98																			A 5cm-thick quartz-pyrite vein; 70TCA; 3-4% pyrite
145,82	145,84																			A 1cm-thick aplite vein/dyke; 25TCA
146,67	146,68																			A 0.5cm-thick carbonate-pyrite stringer; 70TCA; 1% pyrite
147,54	147,58																			A 4cm-thick quartz-pyrite vein; 45TCA; 3-4% pyrite. Carbonate alteration associated (light grey color)
148,09	148,10																			A 0.5cm-thick pyrite-carbonate vein; 25TCA; 2-3% pyrite. Carbonate alteration along the edges
151,04	151,14																			A 9cm-thick pyrite-quartz-carbonate vein; 65TCA; 5-10% pyrite
154,81	154,90																			A 9cm-thick quartz-(carbonate)-(pyrite) vein; 60TCA; 1-2% pyrite. Carbonate alteration associated.
155,44	155,44																			Tr pyrite along a chlorite-carbonate stringer; 35TCA
156,87	156,88																			A 1cm-thick carbonate-pyrite vein; 40TCA; 2-3% pyrite
161,00	170,60																			Carbonate-(sericite) alteration zone (light to medium grey color); including local mineralized zones.
161,56	161,56																			1% pyrite along a fine carbonate stringer; 60TCA
161,70	161,70																			1% pyrite along a fine carbonate stringer; 60TCA
161,92	161,95																			A 2cm-thick quartz-pyrite vein; 45TCA; 2% pyrite
166,00	166,00																			Schistosity: 15TCA
167,24	167,33																			Quartz vein and/or silicification zone
170,60	**190,20**	**19,60**																		**QFP**
																				Beige color (sericite alteration). Tr-1% disseminated pyrite; locally 2-3%PY. Uphole contact at 40TCA
175,29	175,32																			A 2cm-thick quartz vein; 25TCA
174,00	175,50																			Partial alteration (sericite/ankerite?), beige color); contact are gradational
177,81	177,82																			A 1cm-thick quartz-carbonate vein; 25TCA
179,34	179,35																			A 1cm-thick quartz-chlorite-carbonate vein; 50TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357957 N, NAD83	AZIMUTH:	270
HOLE NO:	CAR-43-2010	EASTING:	451799 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	266m
START DATE:		Line 8+50E; Station 3+11N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
179,70	180,00																				2-3% pyrite as disseminated aggregates and as local stringers
187,68	187,71																				A 1cm-thick quartz vein; 25TCA
190,20	**266,00**	**75,80**																			**Granite**
																					Idem as previous granite unit; several carbonate-silica-(sericite)-(±hematite) alteration zones
190,20	195,50																				Pervasive and strong carbonate-silica-sericite/chlorite alteration zone; including 1-2% (up to 3%) disseminated pyrite grains. (Dark grey color)
193,03	193,04																				A 1cm-thick carbonate-pyrite veinlet; 35TCA; 1-2% pyrite
195,50	212,60																				Carbonate-(±hematite) alteration zone (light pinkish-grey color); locally tr pyrite
203,27	203,44																				Quartz-chlorite-tourmaline vein; 45TCA. Tr pyrite along the edges.
215,45	217,60																				Carbonate-(±hematite) alteration zone (light pinkish-grey color); locally tr pyrite
217,60	229,70																				Pervasive and strong carbonate-silica-sericite/chlorite alteration zone; including local mineralization veins
217,84	217,91																				A 6cm-thick quartz-pyrite vein; up to 5% pyrite; 35TCA
218,61	218,65																				A 4cm-thick carbonate-pyrite vein; 5% pyrite; 50TCA
221,20	221,67																				Series of carbonate-chlorite stringers; at a 5cm interval (25 - 40TCA); 1-2% pyrite
227,53	227,55																				A 1cm-thick carbonate vein (40TCA) + large euhedral pyrite grains; 3-4% pyrite
228,28	228,29																				A 1cm-thick quartz-carbonate-pyrite vein; 65TCA; 3-4% pyrite
233,90	266,00																				Pervasive (but moderate) carbonate-(±silica)-(±sericite) alteration zone (light grey to pinkish grey color). Presence of calcite tension fractures. Locally tr pyrite.
234,64	234,65																				A 0.5cm-thick carbonate-pyrite veinlet; 2% pyrite
237,32	237,35																				A 3cm-thick massive pyrite vein (±quartz); 60TCA
245,08	245,09																				A 0.5cm-thick quartz vein; 50TCA
250,12	250,13																				A 0.5cm-thick quartz vein; 45TCA
253,90	254,12																				A 7cm-thick pegmatite dyke; 20TCA
266,00	EOH																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357957 N, NAD83	**AZIMUTH:**	270.00
HOLE NO:	CAR-43-2010	**EASTING:**	451799 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	266m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample	Depth	Depth	Sample	Rock Code	Assay Results
Number	From	To	Interval	Comment	SAMPLE_ AU_G/TF AAU_G/TF AAU_G/TG FAU_G/TN AU_G/TF INA_PPM AL_PPM AS_PPM BA_PPM BI_PPM CA_PPM CD_PPM CO_PPM CR_PPM CU_PPM FE_PCT K_PCT LA_PPM MG_PCT MN_PPM MO_PPM NA_PCT NI_PPM P_PPM PB_PPM SB_PPM SN_PPM SR_PPM TI_PCT U_PPM V_PPM W_PPM Y_PPM ZN_PPM
I767043	25.00	26.00	1.00	Sericite/chlorite carbonate alteration zone	I767043 -0.01 0 0 0 0 -0.2 1.3 2 -10 40 -0.5 -2 2.59 -0.5 10 12 3 2.6 -10 -1 0.16 30 0.66 334 -1 0.06 15 660 -2 -0.01 -2 1 71 -20
I767044	26.00	27.00	1.00	Sericite/chlorite carbonate alteration zone	I767044 0.01 0 0 0 0.01 -0.2 1.3 3 -10 50 -0.5 -2 2.78 -0.5 10 9 1 2.52 -10 -1 0.17 30 0.66 400 -1 0.05 13 660 -2 -0.01 -2 1 75 -20
I767045	38.30	39.15	0.85		I767045 -0.01 0 0 0 0 -0.2 1.41 -2 -10 40 -0.5 -2 2.43 -0.5 10 11 21 2.54 10 1 0.13 30 0.77 413 1 0.08 13 610 -2 0.05 -2 2 85 -20
I767046	39.15	39.70	0.55		I767046 0.73 0 0 0 0.73 1.2 1.41 46 -10 50 -0.5 4 2 -0.5 11 20 297 3.31 10 -1 0.19 20 0.76 364 1 0.06 16 610 2 1.3 -2 1 60 -20
I767047	39.70	40.50	0.80		I767047 0.01 0 0 0 0.01 -0.2 1.49 4 -10 50 -0.5 -2 2.26 -0.5 10 13 8 2.72 10 -1 0.15 30 0.87 415 1 0.09 14 640 -2 0.02 -2 2 55 -20
I767048	52.00	53.00	1.00	Open-space fracturing partially filled with carbonate (on 20d	I767048 0.27 0 0 0 0.27 -0.2 1.6 3 -10 40 -0.5 -2 3.52 -0.5 10 7 2 2.57 10 1 0.17 20 0.94 423 2 0.05 14 610 -2 0.02 -2 3 24 -20
I767049	53.00	53.00	0.00	Blank	I767049 -0.01 0 0 0 0 -0.2 1.62 2 -10 20 -0.5 -2 0.68 -0.5 8 21 -1 4.21 10 -1 0.07 40 1.6 362 -1 0.1 19 900 -2 -0.01 -2 5 9 -20
I767050	53.00	53.00	0.00	Standard-H	
I767051	53.00	53.60	0.60	1% euhedral pyrite	
I767052	59.00	59.50	0.50	Shoulder	I767052 -0.01 0 0 0 0 -0.2 1.52 -2 -10 40 -0.5 -2 2.65 -0.5 11 15 10 2.85 10 1 0.15 30 0.8 456 -1 0.08 15 690 -2 0.02 -2 2 88 -20
I767053	59.50	60.00	0.50	3cm-thick quartz-pyrite vein; 5% pyrite	I767053 1.22 0 0 0 1.22 -0.2 1.56 26 -10 40 -0.5 2 2.32 -0.5 12 12 66 3.19 10 -1 0.16 30 0.82 430 1 0.07 15 650 -2 0.72 -2 2 70 -20
I767054	60.00	61.00	1.00	Shoulder	I767054 0.01 0 0 0 0.01 -0.2 1.59 2 -10 50 -0.5 -2 2.73 -0.5 10 13 15 2.73 10 1 0.16 30 0.82 479 -1 0.08 15 700 -2 0.02 -2 2 82 -20
I767055	89.50	90.15	0.65	Shoulder	I767055 -0.01 0 0 0 0 -0.2 1.46 5 -10 50 -0.5 -2 1.79 -0.5 10 13 18 2.39 10 1 0.16 30 0.84 447 1 0.09 16 690 -2 0.01 -2 3 101 -20
I767056	90.15	90.65	0.50	A 1cm-thick quartz-pyrite vein; 5% pyrite	I767056 0.29 0 0 0 0.29 0.8 1.21 14 -10 80 -0.5 2 1.87 -0.5 11 13 135 2.59 -10 1 0.25 30 0.67 402 -1 0.07 13 680 -2 0.51 -2 2 50 -20
I767057	90.65	91.35	0.70	Shoulder	I767057 0.01 0 0 0 0.01 -0.2 1.41 5 -10 50 -0.5 -2 1.37 -0.5 10 14 19 2.25 -10 -1 0.14 30 0.81 385 1 0.09 16 670 -2 0.01 -2 2 89 -20
I767058	97.00	98.00	1.00	Shoulder	I767058 -0.01 0 0 0 0 -0.2 1.52 12 -10 60 -0.5 -2 1.41 -0.5 12 14 25 2.51 -10 -1 0.17 20 0.92 424 1 0.09 17 810 -2 0.02 -2 3 96 -20
I767059	98.00	99.00	1.00	Local pyrite-carbonate stringers	I767059 0.01 0 0 0 0.01 -0.2 1.33 12 -10 60 -0.5 -2 1.61 -0.5 10 14 76 2.35 10 -1 0.18 30 0.78 423 1 0.07 15 680 -2 0.08 -2 2 76 -20
I767060	99.00	100.00	1.00	Shoulder	I767060 0.01 0 0 0 0.01 -0.2 1.37 9 -10 60 -0.5 -2 1.15 -0.5 11 15 13 2.14 -10 1 0.15 30 0.83 379 1 0.09 16 690 -2 0.01 -2 2 86 -20
I767061	100.00	101.00	1.00	Shoulder	I767061 0.01 0 0 0 0.01 -0.2 1.38 12 -10 50 -0.5 -2 1.16 -0.5 10 15 14 2.15 10 -1 0.14 30 0.81 385 1 0.09 15 680 -2 0.01 -2 2 90 -20
I767062	101.00	102.00	1.00	Local pyrite-carbonate stringers	I767062 0.06 0 0 0 0.06 -0.2 1.37 12 -10 50 -0.5 -2 1.45 -0.5 10 14 15 2.2 10 1 0.16 30 0.78 421 1 0.09 15 680 -2 0.09 -2 2 87 -20
I767063	102.00	102.60	0.60	Local pyrite-carbonate stringers	I767063 0.01 0 0 0 0.01 -0.2 1.4 13 -10 40 -0.5 -2 1.45 -0.5 11 14 41 2.29 -10 1 0.15 30 0.8 403 -1 0.08 15 670 -2 0.06 -2 2 84 -20
I767064	102.60	103.20	0.60	Shoulder	I767064 0.06 0 0 0 0.06 -0.2 1.45 15 -10 50 -0.5 -2 1.73 -0.5 10 14 70 2.6 10 1 0.2 20 0.84 435 1 0.08 15 710 -2 0.2 -2 2 44 -20
I767065	103.20	103.70	0.50	Series of cm-thick quartz-pyrite veins; up to 5% pyrite	I767065 2.00 0 0 0 2 4.7 1.24 84 -10 70 -0.5 23 0.81 -0.5 12 9 215 3.4 -10 -1 0.31 20 0.65 308 1 0.03 14 640 6 1.84 -2 1 18 -20
I767066	103.70	104.40	0.70	Shoulder	I767066 0.02 0 0 0 0.02 -0.2 1.24 16 -10 60 -0.5 -2 2.36 -0.5 11 13 21 2.24 -10 -1 0.24 20 0.66 450 1 0.06 15 700 -2 0.14 -2 2 64 -20
I767067	104.40	105.00	0.60	Shoulder	I767067 0.02 0 0 0 0.02 -0.2 1.26 17 -10 60 -0.5 -2 2.24 -0.5 10 12 48 2.43 -10 -1 0.22 20 0.72 457 1 0.08 13 640 -2 0.15 -2 2 39 -20
I767068	105.00	105.50	0.50	Local pyrite stringers	I767068 0.30 0 0 0 0.3 0.2 1.24 44 -10 60 -0.5 -2 1.62 -0.5 13 12 49 2.5 -10 -1 0.24 20 0.68 387 3 0.08 13 670 -2 0.45 -2 2 29 -20
I767069	105.50	106.80	1.30	Shoulder	I767069 -0.01 0 0 0 0 -0.2 1.29 17 -10 60 -0.5 -2 2.18 -0.5 10 14 13 2.27 -10 -1 0.19 30 0.69 459 1 0.09 14 650 -2 0.01 -2 2 75 -20
I767070	106.80	107.50	0.70	Local pyrite-carbonate veinlets	I767070 0.22 0 0 0 0.22 0.2 1.37 20 -10 60 -0.5 -2 1.69 -0.5 11 14 35 2.36 -10 1 0.19 20 0.7 409 1 0.09 18 700 -2 0.31 -2 2 86 -20
I767071	107.50	108.80	1.30	Shoulder	I767071 0.01 0 0 0 0.01 -0.2 1.45 18 -10 40 -0.5 -2 1.63 -0.5 11 14 12 2.22 10 -1 0.13 20 0.75 406 1 0.09 19 710 -2 0.02 -2 2 122 -20
I767072	108.80	109.30	0.50	Series of pyrite-carbonate stringers	I767072 0.46 0 0 0 0.46 0.2 1.36 37 -10 60 -0.5 2 1.75 -0.5 11 13 67 2.75 -10 -1 0.21 20 0.71 429 1 0.07 17 710 -2 0.64 -2 2 56 -20
I767073	109.30	110.50	1.20	Shoulder	I767073 0.01 0 0 0 0.01 -0.2 1.44 17 -10 50 -0.5 -2 1.55 -0.5 10 15 15 2.4 10 -1 0.15 30 0.81 402 -1 0.07 16 720 2 0.01 -2 3 96 -20
I767074	110.50	110.50	0.00	Blank	I767074 0.01 0 0 0 0.01 -0.2 1.67 2 -10 20 -0.5 2 0.62 -0.5 8 21 1 4.27 10 -1 0.07 40 1.59 361 -1 0.09 17 970 -2 -0.01 -2 5 11 -20
I767075	110.50	110.50	0.00	Standard-L	
I767076	110.50	111.70	1.20	Shoulder	
I767077	111.70	112.20	0.50	Shoulder	I767077 0.01 0 0 0 0.01 -0.2 1.25 14 -10 60 -0.5 -2 1.85 -0.5 9 14 60 2.32 -10 -1 0.22 30 0.65 394 -1 0.04 14 740 -2 0.02 -2 2 48 -20
I767078	112.20	112.75	0.55	A 4cm-thick quartz-pyrite vein; 5% pyrite	I767078 2.03 0 0 0 2.03 2.4 1.1 106 -10 60 -0.5 4 1.83 -0.5 9 9 148 3.43 -10 -1 0.28 20 0.51 375 -1 0.03 12 650 4 2.09 -2 1 47 -20
I767079	112.75	113.30	0.55	A 2cm-thick quartz-pyrite vein; 5% pyrite	I767079 0.91 0 0 0 0.91 2.6 1.24 50 -10 50 -0.5 8 2.06 -0.5 10 12 85 2.84 -10 -1 0.2 30 0.65 430 -1 0.04 14 690 4 0.8 2 2 68 -20
I767080	113.30	114.00	0.70	Local pyrite-carbonate stringers	I767080 0.01 0 0 0 0.01 -0.2 1.39 17 -10 50 -0.5 -2 2.35 -0.5 9 14 53 2.55 -10 -1 0.2 30 0.74 469 -1 0.06 14 730 2 0.12 -2 2 77 -20
I767081	114.00	114.75	0.75	Local quartz-pyrite veins	I767081 0.03 0 0 0 0.03 1.6 1.33 41 -10 50 -0.5 7 2.79 -0.5 10 14 45 2.77 -10 -1 0.21 30 0.69 506 -1 0.04 15 690 3 0.41 -2 2 91 -20
I767082	114.75	115.25	0.50	Local pyrite-carbonate-quartz vein	I767082 2.84 0 0 0 2.84 3.5 1.25 202 -10 50 -0.5 9 2.3 -0.5 10 10 87 3.56 -10 -1 0.24 20 0.61 422 -1 0.04 14 720 11 1.69 -2 1 76 -20
I767083	115.25	116.00	0.75	Shoulder	I767083 0.01 0 0 0 0.01 -0.2 1.33 18 -10 50 -0.5 -2 2.69 -0.5 9 12 30 2.4 -10 -1 0.23 20 0.68 490 -1 0.05 14 710 -2 0.09 -2 1 86 -20
I767084	116.00	116.60	0.60	Local quartz-pyrite vein	I767084 0.14 0 0 0 0.14 0.3 1.36 35 -10 60 -0.5 2 2.42 -0.5 10 12 79 2.76 -10 -1 0.29 30 0.67 456 -1 0.04 14 750 2 0.64 -2 1 79 -20
I767085	116.60	117.50	0.90	Shoulder	I767085 0.01 0 0 0 0.01 -0.2 1.37 15 -10 50 -0.5 -2 2.22 -0.5 10 15 17 2.56 10 -1 0.17 30 0.76 440 -1 0.07 14 700 3 0.05 -2 3 90 -20
I767086	131.00	131.80	0.80	Shoulder	I767086 0.01 0 0 0 0.01 -0.2 1.45 11 -10 50 -0.5 -2 2.23 -0.5 9 11 12 2.59 -10 -1 0.18 30 0.81 360 -1 0.06 15 740 -2 0.14 -2 2 105 -20
I767087	131.80	132.60	0.80	Local pyrite stringers	I767087 0.02 0 0 0 0.02 0.2 1.07 36 -10 50 -0.5 2 4.65 -0.5 13 7 26 2.68 -10 -1 0.2 50 0.7 577 -1 0.05 12 680 2 1.03 -2 2 210 -20
I767088	132.60	133.50	0.90	Shoulder	I767088 0.01 0 0 0 0.01 -0.2 1.28 12 -10 40 -0.5 -2 2.4 -0.5 9 11 16 2.48 -10 -1 0.18 30 0.82 390 -1 0.06 14 710 -2 0.25 -2 2 84 -20
I767089	144.00	144.85	0.85	A 5cm-thick quartz-pyrite vein	I767089 -0.01 0 0 0 0 -0.2 1.42 10 -10 70 -0.5 -2 1.6 -0.5 10 16 20 2.48 10 1 0.14 20 0.84 420 -1 0.06 15 740 2 0.01 -2 3 82 -20
I767090	144.85	145.50	0.65	Shoulder	I767090 1.18 0 0 0 1.18 0.6 1.11 40 -10 50 -0.5 6 2.32 -0.5 11 11 152 2.62 -10 -1 0.25 20 0.54 397 1 0.04 12 630 2 0.88 -2 1 62 -20
I767091	145.50	146.40	0.90		I767091 0.01 0 0 0 0.01 -0.2 1.31 11 -10 50 -0.5 2 2.36 -0.5 9 14 23 2.51 -10 -1 0.18 20 0.71 428 -1 0.06 13 680 -2 0.08 -2 2 80 -20
I767092	146.40	147.20	0.80	Local pyrite-carbonate veinlet	I767092 0.03 0 0 0 0.03 -0.2 1.4 13 -10 60 -0.5 -2 2.61 -0.5 9 13 24 2.52 -10 -1 0.22 30 0.74 461 -1 0.05 14 730 -2 0.09 -2 2 82 -20
I767093	147.20	147.75	0.55	A 4cm-thick quartz-pyrite vein	I767093 0.97 0 0 0 0.97 0.7 1.34 47 -10 50 -0.5 2 2.28 -0.5 11 12 113 3.44 -10 -1 0.21 20 0.72 420 -1 0.05 14 750 2 1.24 -2 2 49 -20
I767094	147.75	148.25	0.50	Local carbonate-pyrite veinlet	I767094 0.47 0 0 0 0.47 2.7 1.62 24 -10 50 -0.5 2 2.33 -0.5 12 12 161 3.46 10 -1 0.2 30 0.89 494 -1 0.05 17 930 3 0.6 -2 3 68 -20
I767095	148.25	149.50	1.25	Shoulder	I767095 0.01 0 0 0 0.01 -0.2 1.53 14 -10 50 -0.5 -2 1.83 -0.5 10 16 34 2.55 10 -1 0.14 20 0.85 452 -1 0.07 15 760 2 0.05 -2 3 107 -20
I767096	149.50	150.80	1.30	Shoulder	I767096 0.01 0 0 0 0.01 -0.2 1.44 11 -10 50 -0.5 -2 1.63 -0.5 9 16 30 2.44 10 -1 0.13 20 0.81 428 -1 0.07 15 720 2 0.03 -2 3 86 -20
I767097	150.80	151.30	0.50	A 9cm-thick quartz-pyrite vein	I767097 >10.00 0 31.9 0 31.9 16.6 1.02 92 -10 50 -0.5 102 1.77 0.7 17 11 1370 4.48 -10 -1 0.15 20 0.55 369 -1 0.04 12 570 33 3.34 -2 2 45 -20
I767098	151.30	152.40	1.10	Shoulder	I767098 0.03 0 0 0 0.03 -0.2 1.47 13 -10 50 -0.5 -2 2.06 -0.5 9 15 70 2.57 -10 -1 0.13 20 0.82 470 -1 0.07 14 740 -2 0.04 -2 3 92 -20
I767099	152.40	152.40	0.00	Blank	I767099 0.01 0 0 0 0.01 -0.2 1.65 -2 -10 20 -0.5 -2 0.62 -0.5 8 21 2 4.54 10 -1 0.07 60 1.63 356 -1 0.08 16 990 -2 -0.01 2 5 11 -20
I767100	152.40	152.40	0.00	Standard-H	
I767101	152.40	153.50	1.10	Shoulder	
I767102	153.50	154.70	1.20	Shoulder	I767102 -0.01 0 0 0 0 -0.2 1.31 8 -10 50 -0.5 -2 1.9 -0.5 10 15 38 2.44 -10 -1 0.16 20 0.72 427 -1 0.06 14 680 3 0.07 -2 2 78 -20
I767103	**154.70**	**155.20**	0.50	**A 9cm-thick quartz-pyrite vein**	I767103 0.22 0 0 0 0.22 1.1 0.93 29 -10 60 -0.5 4 1.39 -0.5 9 10 112 2.07 -10 -1 0.23 20 0.45 298 -1 0.03 9 540 5 0.44 -2 1 34 -20
I767104	155.20	156.50	1.30	Shoulder	I767104 -0.01 0 0 0 0 -0.2 1.2 8 -10 50 -0.5 -2 1.74 -0.5 8 14 11 2.21 -10 1 0.15 20 0.66 388 -1 0.05 11 650 2 0.01 -2 3 68 -20
I767105	156.50	157.00	0.50	Local pyrite-carbonate vein	I767105 0.47 0 0 0 0.47 0.6 1.19 25 -10 50 -0.5 -2 1.73 -0.5 9 13 100 2.6 -10 -1 0.17 20 0.65 411 7 0.05 13 670 5 0.48 -2 3 61 -20
I767106	157.00	157.75	0.75	Shoulder	I767106 -0.01 0 0 0 0 -0.2 1.2 8 -10 60 -0.5 -2 1.86 -0.5 10 14 29 2.47 -10 1 0.16 20 0.65 446 4 0.06 13 670 3 0.03 -2 3 52 -20
I767107	161.00	161.50	0.50	Shoulder	I767107 -0.01 0 0 0 0 -0.2 1.25 9 -10 60 -0.5 -2 3.13 -0.5 8 11 19 2.38 -10 1 0.19 20 0.62 499 2 0.04 11 670 3 0.04 -2 2 77 -20
I767108	161.50	162.10	0.60	Local quartz-pyrite vein	I767108 0.57 0 0 0 0.57 2 1.27 16 -10 50 -0.5 12 2.43 -0.5 9 11 90 2.72 -10 -1 0.19 20 0.64 429 3 0.04 12 680 4 0.38 -2 2 53 -20
I767109	162.10	163.00	0.90	Shoulder	I767109 -0.01 0 0 0 0 -0.2 1.33 4 -10 50 -0.5 -2 2.15 -0.5 8 13 27 2.62 -10 -1 0.18 20 0.67 387 -1 0.06 12 670 2 0.09 -2 3 52 -20
I767110	166.30	167.00	0.70	Shoulder	I767110 -0.01 0 0 0 0 -0.2 1.39 5 -10 50 -0.5 -2 2.65 -0.5 9 11 13 2.67 -10 -1 0.2 20 1.4 530 -1 0.03 12 650 -2 0.06 -2 1 33 -20
I767111	167.00	167.50	0.50	Local quartz vein and/or silicified zone	I767111 0.01 0 0 0 0.01 -0.2 1.2 6 -10 40 -0.5 -2 2.94 -0.5 9 9 14 2.41 -10 -1 0.18 20 0.57 398 1 0.04 11 560 4 0.22 -2 1 70 -20
I767112	167.50	168.75	1.25	Shoulder	I767112 -0.01 0 0 0 0 -0.2 1.29 5 -10 30 -0.5 -2 2.65 -0.5 9 10 14 2.59 -10 -1 0.13 20 0.67 351 -1 0.03 13 680 2 0.14 -2 1 70 -20
I767113	168.75	170.00	1.25	Shoulder	I767113 -0.01 0 0 0 0 -0.2 1.44 7 -10 30 -0.5 -2 2.01 -0.5 8 7 16 2.88 -10 -1 0.14 20 0.76 285 -1 0.03 14 710 3 0.15 -2 1 48 -20
I767114	170.00	170.60	0.60	Granite - contact zone with QFP	I767114 -0.01 0 0 0 0 -0.2 1.1 13 -10 30 -0.5 -2 2.96 -0.5 10 5 49 2.38 -10 -1 0.14 10 0.53 337 -1 0.02 12 660 2 0.35 -2 1 84 -20
I767115	170.60	171.60	1.00	QFP	I767115 0.05 0 0 0 0.05 -0.2 0.67 17 -10 40 -0.5 5 2.04 -0.5 6 1 113 1.3 -10 -1 0.17 10 0.28 201 -1 0.03 5 350 3 0.34 -2 -1 43 -20
I767116	171.60	172.20	0.60	QFP	I767116 0.54 0 0 0 0.54 0.3 0.6 32 -10 40 -0.5 9 1.91 -0.5 8 1 155 1.47 -10 -1 0.16 10 0.25 174 -1 0.03 5 360 4 0.67 -2 -1 41 -20
I767117	172.20	173.00	0.80	QFP	I767117 0.01 0 0 0 0.01 -0.2 0.64 9 -10 40 -0.5 -2 2.34 -0.5 6 2 61 1.37 -10 1 0.16 10 0.26 201 -1 0.03 4 360 3 0.46 -2 -1 60 -20
I767118	173.00	174.00	1.00	QFP	I767118 0.01 0 0 0 0.01 -0.2 0.66 17 -10 40 -0.5 2 2.22 -0.5 6 2 59 1.51 -10 -1 0.16 10 0.3 187 -1 0.03 4 360 2 0.47 -2 -1 50 -20
I767119	174.00	175.00	1.00	QFP	I767119 0.03 0 0 0 0.03 0.3 0.52 19 -10 80 -0.5 34 2.11 -0.5 4 1 203 1.34 -10 -1 0.17 10 0.32 194 -1 0.02 3 350 3 0.24 -2 -1 36 -20
I767120	175.00	176.00	1.00	QFP	I767120 0.01 0 0 0 0.01 -0.2 0.46 14 -10 40 -0.5 5 2.63 -0.5 6 2 69 1.23 -10 -1 0.16 10 0.23 185 -1 0.03 4 350 -2 0.33 -2 -1 48 -20
I767121	176.00	177.00	1.00	QFP	I767121 0.01 0 0 0 0.01 -0.2 0.69 15 -10 30 -0.5 5 2.61 -0.5 7 1 72 1.5 -10 -1 0.16 -10 0.26 169 -1 0.03 4 360 -2 0.46 -2 -1 39 -20
I767122	177.00	178.00	1.00	QFP	I767122 0.01 0 0 0 0.01 0.2 0.6 14 -10 30 -0.5 5 3.09 -0.5 6 2 104 1.33 -10 -1 0.18 10 0.25 204 -1 0.02 4 360 2 0.36 -2 -1 56 -20
I767123	**178.00**	**179.00**	1.00	**QFP**	I767123 0.01 0 0 0 0.01 0.3 0.65 11 -10 30 -0.5 10 2.58 -0.5 3 1 71 1.19 -10 -1 0.16 10 0.27 191 -1 0.03 3 370 2 0.17 -2 -1 46 -20
I767124	179.00	179.00	0.00	Blank	I767124 -0.01 0 0 0 0 -0.2 1.64 2 -10 20 -0.5 -2 0.63 -0.5 8 22 -1 4.64 10 -1 0.06 40 1.7 365 -1 0.07 19 970 3 0.02 -2 5 10 -20
I767125	179.00	179.00	0.00	Standard-L	
I767126	179.00	179.60	0.60	QFP	
I767127	179.60	180.10	0.50	QFP; 2-3% pyrite	I767127 1.14 0 0 0 1.14 1.3 0.56 17 -10 30 -0.5 4 2.58 -0.5 7 2 87 1.43 -10 -1 0.17 -10 0.18 185 -1 0.03 4 370 3 0.72 -2 -1 41 -20
I767128	180.10	181.00	0.90	QFP	I767128 0.01 0 0 0 0.01 0.2 0.52 10 -10 30 -0.5 2 1.97 -0.5 5 8 50 1.2 -10 -1 0.13 10 0.2 180 -1 0.03 4 270 -2 0.31 -2 -1 38 -20
I767129	181.00	182.00	1.00	QFP	I767129 0.02 0 0 0 0.02 0.3 0.65 24 -10 30 -0.5 2 2.57 -0.5 7 2 70 1.69 -10 -1 0.16 -10 0.25 202 -1 0.03 4 370 3 0.75 -2 -1 51 -20
I767130	182.00	183.00	1.00	QFP	I767130 0.01 0 0 0 0.01 0.3 0.62 24 -10 40 -0.5 2 2.41 -0.5 7 3 58 1.61 -10 -1 0.16 10 0.27 183 -1 0.04 5 360 3 0.59 -2 -1 48 -20
I767131	183.00	184.00	1.00	QFP	I767131 0.02 0 0 0 0.02 0.2 0.43 22 -10 40 -0.5 6 2.2 -0.5 6 2 104 1.67 -10 -1 0.16 10 0.31 206 -1 0.04 4 370 4 0.63 -2 -1 49 -20
I767132	184.00	185.00	1.00	QFP	I767132 0.09 0 0 0 0.09 0.2 0.57 19 -10 40 -0.5 6 2.46 -0.5 7 2 138 1.59 -10 -1 0.15 10 0.26 202 -1 0.04 5 370 4 0.63 -2 -1 43 -20
I767133	185.00	186.00	1.00	QFP	I767133 0.01 0 0 0 0.01 -0.2 0.66 15 -10 40 -0.5 -2 2.63 -0.5 7 2 78 1.49 -10 -1 0.16 -10 0.24 196 -1 0.03 5 380 2 0.53 -2 -1 38 -20
I767134	186.00	187.00	1.00	QFP	I767134 0.01 0 0 0 0.01 -0.2 0.68 14 -10 40 -0.5 27 2.3 -0.5 8 2 76 1.63 -10 -1 0.16 10 0.27 169 -1 0.03 4 360 3 0.65 -2 -1 38 -20
I767135	187.00	188.00	1.00	QFP	I767135 0.01 0 0 0 0.01 -0.2 0.66 10 -10 40 -0.5 2 2.25 -0.5 6 2 63 1.5 -10 -1 0.16 10 0.27 170 -1 0.03 5 360 2 0.58 -2 -1 38 -20
I767136	188.00	189.00	1.00	QFP	I767136 0.01 0 0 0 0.01 -0.2 0.69 10 -10 40 -0.5 4 2.22 -0.5 7 2 58 1.61 -10 -1 0.15 10 0.27 166 -1 0.04 5 360 3 0.62 -2 -1 42 -20
I767137	189.00	190.20	1.20	QFP	I767137 0.01 0 0 0 0.01 -0.2 0.75 11 -10 40 -0.5 -2 1.93 -0.5 5 2 44 1.6 -10 -1 0.15 10 0.34 160 -1 0.03 5 360 4 0.45 -2 -1 37 -20
I767138	190.20	191.00	0.80	Granite; locally 2-3% pyrite	I767138 0.01 0 0 0 0.01 -0.2 1.32 25 -10 30 -0.5 2 2.87 -0.5 10 10 70 3.15 -10 -1 0.12 20 0.64 302 -1 0.04 15 660 3 0.76 -2 2 52 -20
I767139	191.00	192.00	1.00	1-2% disseminated pyrite	I767139 0.01 0 0 0 0.01 -0.2 1.32 12 -10 30 -0.5 -2 1.41 -0.5 8 7 49 2.77 -10 -1 0.12 20 0.72 200 -1 0.03 11 600 3 0.4 -2 1 32 -20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358445 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-44-2010	EASTING:	451660 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	386m
START DATE:	January 23rd 20	Line 7+50E; Station 7+50N		CORE SIZE:	NQ
FINISH DATE:	January 25th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**5,00**	**5,00**	**OB**																		**Casing/Overburden**
5,00	**125,00**	**120,00**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
6,97	7,57																				Series of calcite veins/filled fractures with geothite along edges; 20TCA
9,00	10,75																				Broken and partially broken core
18,22	19,69																				Weak to moderate carbonate alteration zone (light grey color)
20,84	21,06																				Goethite-(calcite) filled fractures
23,39	23,41																				A 2cm-thick quartz vein; 25TCA; chlorite-silica alteration associated (dark grey color)
27,11	27,12																				A 0.5cm-thick quartz vein; 85TCA
27,65	27,78																				Tr-1% pyrite as stringers; silica alteration associated
38,29	38,88																				Syenite dyke; tr pyrite
38,66	38,67																				A 1cm-thick pyrite veinlet; 25TCA
57,77	58,36																				Strong carbonate alteration zone; presence of leucoxene
59,80	60,33																				Strong carbonate alteration zone; presence of leucoxene; including a 3cm-thick quartz-chlorite-carbonate vein; 60TCA
60,36	60,37																				A 1cm-thick quartz vein; 25TCA
61,46	61,58																				Strong carbonate-sericite alteration zone; including a 1cm-thick quartz-chlorite vein; 70TCA
69,08	69,25																				A 3cm-thick quartz vein + silica alteration zone associated; 25TCA. Tr pyrite and goethite along the edges
70,50	71,90																				Silica-carbonate alteration zone (including carbonate tension fractures) and locally tr pyrite
70,67	70,69																				A 1cm-thick quartz-chlorite-carbonate vein + 1% pyrite along the edges; 20TCA
73,40	75,70																				Pervasive carbonate-silica-sericite alteration including carbonate tension fractures and mineralized zones
75,02	75,04																				A 1cm-thick quartz-pyrite vein; 60TCA; 5% pyrite
75,10	75,12																				A 2cm-thick quartz-pyrite; 5% pyrite
75,19	75,20																				1-2% pyrite as veinlet; 45TCA
79,75	81,52																				Partial carbonate-hematite alteration zone
84,30	85,00																				Partial carbonate-hematite alteration zone
85,00	85,90																				Silica-sericite-carbonate alteration zone including 1% disseminated pyrite
85,90	86,80																				Partial carbonate-hematite alteration zone
86,65	86,66																				A 1cm-thick quartz vein; 1% pyrite
97,71	97,72																				A 1cm-thick quartz vein; 25TCA
106,40	110,00																				Unaltered granite; pinkish color
119,67	119,70																				A 2cm-thick quartz vein; 25TCA
125,00	**162,60**	**37,60**																			**Altered granite**
																					Hematite-carbonate alteration; purple-ish red color
143,10	143,48																				Pegmatite dyke (?), completely altered into hematite-carbonate; orange color
143,48	143,97																				Zone with hematite/jasper alteration as local "patches" (red color); presence of leucoxene
144,43	144,68																				Mafic dyke; dark green-black color; chlorite-rich
148,00	148,35																				Hematite-carbonate alteration + sericite/ankerite alteration (beige color)
162,60	**182,15**	**19,55**																			**Granite**
																					idem as previous granite unit
164,45	164,46																				A 0.7cm-thick pyrite veinlet; 50TCA
164,94	164,95																				A 0.5cm-thick quartz-pyrite veinlet; 50TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358445 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-44-2010	EASTING:	451660 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	386m
START DATE:	January 23rd 20	Line 7+50E; Station 7+50N		CORE SIZE:	NQ
FINISH DATE:	January 25th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
165,06	165,10																			A 4cm-thick pyrite-quartz vein; 10-15% pyrite; 35TCA
167,27	167,28																			A 0.5cm-thick quartz-pyrite veinlet; 60TCA; 2% pyrite
167,95	167,96																			A 0.5cm-thick carbonate-pyrite veinlet; 55TCA; 1% pyrite
175,62	175,65																			A 2cm-thick quartz vein; 45TCA
182,15	**207,40**	**25,25**																		**Altered granite**
																				Hematite-carbonate alteration zone; pinkish color. Chlorite-rich; gradational contacts
200,44	200,72																			1-2% pyrite as fine stringers (at a 5cm interval; 60TCA). Chlorite-rich alteration associated. Partially broken core
207,40	**300,37**	**92,97**																		**Granite**
																				idem as previous granite unit
211,10	211,39																			Hematite-carbonate alteration; purple-ish color
213,15	213,16																			A 1cm-thick quartz vein; 80TCA
224,70	227,30																			Strong silica-carbonate-(hematite) alteration zone (dark grey color)
226,21	226,35																			Aplite dyke (?) with ankerite alteration (brownish-beige color).
233,76	233,80																			Small pegmatite vein; 80TCA
241,92	254,00																			Zone of partial hematite alteration and/or goethite; stronger along micro-fractures.
244,20	244,28																			Syenite dyke + dislocated quartz vein; tr pyrite
253,17	253,31																			A 9cm-thick syenite(?) dyke; orange-red color; 35TCA. Dislocated quartz veinlets or tension fractures; tr pyrite
257,92	258,02																			Tr pyrite along chlorite micro-veins; 45TCA
265,93	265,98																			A 3cm-thick pegmatite (?) dyke
268,99	269,00																			A 1cm-thick quartz vein; 65TCA
272,50	273,15																			Strong hematite/goethite-silica alteration zone (orange-red color)
274,00	276,25																			Strong hematite/goethite-silica alteration zone (orange-red color); tr pyrite
275,95	275,97																			A 2cm-thick pyrite-carbonate vein; 2-3% pyrite; 60TCA
276,80	281,45																			Strong hematite/goethite-silica alteration zone (orange-red color) + locally broken core
286,55	287,30																			Strong hematite/goethite-silica alteration zone (orange-red color)
287,90	289,05																			Strong hematite/goethite-silica alteration zone (orange-red color)
287,97	288,00																			5-10% pyrite on 2cm; associated with chlorite-carbonate veinlets; 5-10% chalcopyrite disrupted by micro-fault. Chalcopyrite is semi-massive; pyrite is finely disseminated.
300,37	**318,23**	**17,86**																		**Mafic volcanic rock**
																				Chlorite-rich; locally breccia flow(?) with partially digested clasts. Not magnetic; locally tr-1% disseminated pyrite or along micro-fractures
301,40	301,66																			Granite dyke
304,75	305,12																			Zone of carbonate veinlets/tension fractures (~ 12 veins on 10cm)
305,65	305,66																			A 1cm-thick carbonate-pyrite vein; 60TCA; 1-2% pyrite
316,09	316,09																			1-2% pyrite
318,23	**386,00**	**67,77**																		**Granite**
																				Pervasive alteration (carbonate-silica-sericite) zone in alternance with ankerite/sericite-silica alteration zone (beige and pink color)
325,35	329,65																			Strong and pervasive sericite/ankerite-silica alteration zone (beige color); gradational contacts

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358445 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-44-2010	EASTING:	451660 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	386m
START DATE:	January 23rd 20	Line 7+50E; Station 7+50N		CORE SIZE:	NQ
FINISH DATE:	January 25th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
323,90	324,10																			A 6cm-thick syenite dyke + dislocated quartz vein; 30TCA
325,93	326,06																			A 13cm-thick QFP dyke; beige-orange color
327,69	327,71																			A 1cm-thick quartz-(carbonate) vein; 25TCA
327,89	327,93																			A 1cm-thick quartz-(carbonate) vein; 20TCA
328,05	328,06																			A 1cm-thick quartz-(carbonate) vein; 15TCA
328,30	328,51																			A 5cm-thick quartz-(carbonate) vein; 15TCA; including tr tourmaline(?) and fine specularite hematite(?)
328,54	328,56																			A 2cm-thick quartz-(carbonate) vein; 75TCA
330,05	330,16																			Zone with micro-fractures + local quartz vein (70TCA); core is partially broken
330,55	332,50																			Sericite/ankerite-silica alteration zone; gradational contacts (beige-greenish color)
332,50	334,15																			Silica-hematite alteration zone (orange-grey color); gradational contacts
334,15	335,00																			Strong sericite-silica alteration zone (light greenish-grey color); including 1% pyrite along carbonate veinlets; 20TCA
338,50	341,00																			Pervasive carbonate-silica-(±hematite) alteration zone (light grey color; locally pinkish grey)
343,26	343,27																			A fine pyrite stringer; 70TCA
346,37	348,80																			Carbonate-silica-(hematite) alteration zone (contacts are gradational); light pinkish-grey color; locally tr pyrite as fine stringer
348,80	351,00																			Strong sericite-ankerite-silica alteration zone (yellowish beige color); including tr disseminated pyrite and local mineralized veins
348,96	348,99																			A 2cm-thick quartz-pyrite; 3-4% pyrite; 35TCA
349,34	349,35																			A 0.5cm-thick quartz-pyrite vein
349,70	349,73																			A 2cm-thick pyrite-quartz vein; 45TCA; 10-20% pyrite as very coarse grains (~1cm)
350,95	351,00																			A 3cm-thick quartz vein; 40TCA
351,50	351,55																			Series of two quartz-pyrite veins (1cm-thick and 2cm-thick; 70TCA; 1-2% pyrite); cross-cut by carbonate vein (50TCA)
352,39	352,40																			A 1cm-thick quartz-pyrite vein; 45TCA
356,45	357,30																			Sericite/ankerite-silica alteration zone (greenish-beige color); contacts are gradational
357,12	357,13																			Pyrite stringer; 50TCA
357,30	361,50																			Hematite-silica alteration zone (pinkish grey color)
363,25	365,06																			Sericite/ankerite-silica alteration zone (greenish-grey color)
364,00	364,06																			QFP dyke; hematized
364,42	364,44																			A 1.5cm-thick quartz-pyrite vein; 2-3% pyrite; 55TCA
365,06	371,10																			Hematite-silica-sericite alteration zone (pinkish-grey color)
367,11	367,15																			A 2cm-thick quartz vein; 40TCA
367,55	367,56																			A carbonate-pyrite vein; 2% pyrite; 45TCA
367,60	367,79																			Zone with 1-2% pyrite as alteration associated with a 1cm-thick quartz-magnetite vein; 25TCA
372,50	373,00																			Strong silica-(sericite) alteration zone (dark grey color); tr pyrite
372,92	372,93																			A 1cm-thick quartz vein; 40TCA
373,00	374,00																			Strong silica-hematite-(sericite) alteration zone; (dark pinkish-grey color)
374,00	380,12																			Strong silica-sericite-carbonate alteration zone (medium to dark grey color); including locally 1% disseminated pyrite
374,31	374,34																			A 2cm-thick quartz-pyrite-(±hem) vein, 55TCA; up to 5% pyrite
380,12	385,10																			Silica-(sericite)-(hematite) alteration zone (light pinkish-grey color)
385,10	386,00																			Sericite/ankerite-silica alteration zone (greenish-beige color); including local pyrite stringer (50TCA); <1% pyrite

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358445 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-44-2010	**EASTING:**	451660 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	386m
START DATE:	January 23rd 20	**Line 7+50E; Station 7+50N**		**CORE SIZE:**	NQ
FINISH DATE:	January 25th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
386,00	EOH																		

COMMENTS

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358445 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-44-2010	**EASTING:**	451660 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	386m
START DATE:	January 23rd 2010			**CORE SIZE:**	NQ
FINISH DATE:	January 25th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_NO	AU_G/TFA	AU_G/TF/	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I767170	27.00	27.85	0.85	Tr pyrite	I767170	-0.01	0	0	0	0	-0.2	1.19	-2	-10	30	-0.5	-2	1.62	-0.5	10	15	14	2.39	-10	-1	0.17	20	0.75	366	1	0.05	11	660	-2	0.08	-2	3	53	-20
I767171	38.25	38.90	0.65	Syenite dyke; tr pyrite	I767171	-0.01	0	0	0	0	-0.2	1.03	3	-10	20	-0.5	-2	1.6	-0.5	12	16	15	2.24	-10	-1	0.11	30	0.72	342	-1	0.05	17	850	-2	0.22	-2	4	39	-20
I767172	68.30	69.00	0.70	Shoulder	I767172	-0.01	0	0	0	0	-0.2	1.26	2	-10	30	-0.5	-2	1.53	-0.5	10	16	6	2.4	10	-1	0.12	30	0.8	366	-1	0.06	13	710	-2	0.03	-2	3	59	-20
I767173	69.00	69.60	0.60	Local quartz vein; tr pyrite	I767173	0.05	0	0	0	0.05	-0.2	1.07	2	-10	30	-0.5	-2	2.02	-0.5	10	14	6	2.11	-10	-1	0.14	30	0.69	360	-1	0.05	11	690	-2	0.06	-2	2	37	-20
I767174	69.60	69.60	0.00	Blank	I767174	-0.01	0	0	0	0	-0.2	1.7	-2	-10	10	-0.5	-2	0.45	-0.5	8	21	-1	4.41	-10	-1	0.07	30	1.63	370	-1	0.07	17	930	-2	0.01	-2	5	7	-20
I767175	69.60	69.60	0.00	Standard-L																																			
I767176	69.60	70.50	0.90	Shoulder																																			
I767177	70.50	71.00	0.50	Tr-1% pyrite	I767177	-0.01	0	0	0	0	-0.2	1.16	8	-10	30	-0.5	-2	2.03	-0.5	11	14	31	2.63	-10	-1	0.16	20	0.69	379	1	0.05	12	670	-2	0.41	-2	2	33	-20
I767178	71.00	71.90	0.90	Silica alteration zone	I767178	0.01	0	0	0	0.01	-0.2	1.35	3	-10	20	-0.5	-2	2.27	-0.5	11	19	33	2.84	-10	-1	0.12	30	0.86	433	1	0.05	15	710	-2	0.13	-2	4	34	-20
I767179	71.90	73.40	1.50	Shoulder	I767179	-0.01	0	0	0	0	-0.2	1.29	-2	-10	20	-0.5	-2	1.7	-0.5	11	17	14	2.4	10	-1	0.1	30	0.81	379	2	0.06	13	700	-2	0.04	-2	4	63	-20
I767180	73.40	74.20	0.80		I767180	-0.01	0	0	0	0	-0.2	1.3	-2	-10	30	-0.5	-2	2.82	-0.5	10	18	16	2.59	-10	-1	0.14	30	0.76	472	3	0.05	13	730	-2	0.06	-2	3	59	-20
I767181	74.20	74.80	0.60		I767181	0.01	0	0	0	0.01	-0.2	0.94	11	-10	30	-0.5	-2	3.12	-0.5	8	9	14	1.8	-10	-1	0.24	20	0.51	460	1	0.02	11	700	2	0.33	-2	1	74	-20
I767182	74.80	75.30	0.50	Quartz-pyrite veins	I767182	2.69	0	0	0	2.69	0.7	0.84	16	-10	20	-0.5	13	2.38	-0.5	6	6	33	1.89	-10	-1	0.26	20	0.42	364	1	0.02	8	820	-2	0.66	-2	1	55	-20
I767183	75.30	76.00	0.70	Shoulder	I767183	0.01	0	0	0	0.01	-0.2	1.23	-2	-10	30	-0.5	-2	2.49	-0.5	9	15	15	2.41	-10	-1	0.14	30	0.71	441	1	0.05	12	700	2	0.02	-2	3	61	-20
I767184	84.30	85.00	0.70		I767184	-0.01	0	0	0	0	-0.2	1.3	-2	-10	20	-0.5	-2	2.46	-0.5	10	15	16	2.64	10	-1	0.1	30	0.83	321	-1	0.06	13	690	-2	0.03	-2	4	36	-20
I767185	85.00	85.90	0.90	1% disseminated pyrite	I767185	-0.01	0	0	0	0	-0.2	1.42	-2	-10	20	-0.5	-2	1.89	-0.5	9	12	8	2.64	10	-1	0.11	30	1.15	296	1	0.06	12	740	2	0.04	-2	3	22	-20
I767186	85.90	86.80	0.90		I767186	-0.01	0	0	0	0	-0.2	1.33	-2	-10	20	-0.5	-2	1.55	-0.5	10	16	20	2.54	10	-1	0.09	30	0.97	346	-1	0.06	13	710	-2	0.02	-2	4	42	-20
I767187	143.10	144.00	0.90	Pegmatite dyke (?); or syenite	I767187	0.68	0	0	0	0.68	0.3	1.71	-2	-10	10	-0.5	-2	0.39	-0.5	7	19	1	2.43	10	1	0.08	10	1.62	259	-1	0.09	13	810	3	-0.01	-2	5	8	-20
I767188	144.00	145.00	1.00	Shoulder	I767188	2.89	0	0	0	2.89	1	2.62	-2	-10	20	-0.5	2	0.46	-0.5	12	16	1	3.42	10	-1	0.18	10	2.73	435	-1	0.06	23	870	2	-0.01	-2	3	8	-20
I767189	148.00	148.50	0.50	Ankerite/sericite alteration zone	I767189	0.18	0	0	0	0.18	0.2	0.62	2	-10	20	-0.5	-2	0.72	-0.5	2	14	-1	0.77	-10	-1	0.13	10	0.42	99	-1	0.1	3	980	4	0.01	-2	2	8	-20
I767190	163.50	164.35	0.85	Shoulder	I767190	0.01	0	0	0	0.01	-0.2	1.64	3	-10	30	-0.5	-2	0.81	-0.5	10	19	-1	2.71	10	-1	0.1	30	1.31	363	-1	0.07	14	740	2	0.01	-2	5	59	-20
I767191	164.35	165.15	0.80	Locally up to 10-15% pyrite	I767191	>10.00	0	13.65	0	13.65	3.3	1.32	119	-10	30	-0.5	26	0.46	-0.5	12	17	100	3.66	10	-1	0.13	20	1.16	294	6	0.06	14	660	6	2.2	-2	3	9	-20
I767192	165.15	166.00	0.85	Shoulder	I767192	0.01	0	0	0	0.01	-0.2	1.49	2	-10	40	-0.5	-2	0.87	-0.5	9	18	137	2.6	-10	-1	0.11	30	1.1	368	-1	0.07	14	720	2	0.06	-2	4	53	-20
I767193	166.00	167.00	1.00	Shoulder	I767193	0.01	0	0	0	0.01	-0.2	2.11	-2	-10	20	-0.5	-2	1.11	-0.5	15	23	5	3.9	10	-1	0.09	40	1.57	523	-1	0.06	22	1020	-2	0.08	2	6	62	-20
I767194	167.00	168.00	1.00	Tr-1% pyrite	I767194	0.09	0	0	0	0.09	-0.2	1.36	2	-10	40	-0.5	2	1.59	-0.5	10	16	17	2.67	-10	-1	0.15	30	0.81	408	-1	0.07	16	660	3	0.15	-2	4	44	-20
I767195	199.60	200.30	0.70	Shoulder	I767195	0.03	0	0	0	0.03	0.2	2.36	2	-10	30	-0.5	-2	4.58	-0.5	9	19	202	3.22	10	-1	0.1	20	2.04	647	-1	0.08	16	910	-2	0.05	-2	5	56	-20
I767196	200.30	200.80	0.50	1-2% pyrite as stringers	I767196	>10.00	0	11.1	0	11.1	7.1	3.03	121	-10	60	0.5	68	1.69	-0.5	23	14	37	5.4	10	1	0.29	50	2.93	614	98	0.02	23	1230	106	2.6	-2	3	16	-20
I767197	200.80	201.50	0.70		I767197	0.39	0	0	0	0.39	0.4	1.98	-2	-10	20	-0.5	12	4.6	-0.5	10	18	5	2.59	10	-1	0.08	20	1.88	579	1	0.06	15	830	17	0.04	-2	5	55	-20
I767198	225.00	226.00	1.00		I767198	0.01	0	0	0	0.01	-0.2	1.4	-2	-10	50	-0.5	-2	2.67	-0.5	9	12	5	2.66	-10	-1	0.22	30	0.75	474	-1	0.05	13	730	2	0.04	-2	2	56	-20
I767199	226.00	226.00	0.00	Blank	I767199	0.01	0	0	0	0.01	-0.2	1.79	-2	-10	20	-0.5	-2	0.49	-0.5	8	21	-1	4.27	10	1	0.09	30	1.63	386	-1	0.07	18	940	-2	-0.01	-2	5	8	-20
I767200	226.00	226.00	0.00	Standard-H																																			
I767201	226.00	226.65	0.65																																				
I767202	226.65	227.30	0.65		I767202	-0.01	0	0	0	0	0.2	1.16	-2	-10	50	-0.5	2	2.59	-0.5	12	12	36	2.13	-10	-1	0.18	30	0.66	381	-1	0.05	12	690	-2	0.09	-2	2	43	-20
I767203	244.00	244.50	0.50	8cm-thick syenite dyke; tr pyrite	I767203	0.01	0	0	0	0.01	0.3	1.31	-2	-10	30	-0.5	-2	0.86	-0.5	9	15	-1	2.56	10	-1	0.1	30	0.91	347	1	0.08	13	610	-2	0.01	-2	4	34	-20
I767204	253.00	253.50	0.50	A 9cm-thick syenite dyke; tr pyrite	I767204	-0.01	0	0	0	0	-0.2	1.1	-2	-10	140	-0.5	-2	1.3	-0.5	8	13	9	2	-10	-1	0.14	20	0.64	325	4	0.06	10	550	3	0.01	-2	3	45	-20
I767205	274.00	275.00	1.00	Shoulder; Hem/geothite-silica alteration	I767205	0.02	0	0	0	0.02	-0.2	1.43	-2	-10	40	-0.5	-2	2.46	-0.5	10	16	13	2.72	-10	-1	0.17	20	0.84	447	1	0.05	22	750	3	0.1	-2	3	56	-20
I767206	275.00	275.75	0.75	Shoulder	I767206	0.01	0	0	0	0.01	0.4	1.4	2	-10	30	-0.5	3	2.39	-0.5	10	15	6	2.66	10	-1	0.16	20	0.83	428	-1	0.05	13	740	-2	0.1	-2	2	54	-20
I767207	275.75	276.25	0.50	2cm-thick quartz-pyrite vein	I767207	0.62	0	0	0	0.62	0.4	1.41	4	-10	50	-0.5	2	2.5	-0.5	14	16	48	3.02	10	-1	0.19	20	0.8	442	1	0.06	16	710	2	0.56	-2	3	63	-20
I767208	276.25	276.80	0.55	Shoulder	I767208	-0.01	0	0	0	0	0.2	1.49	2	-10	40	-0.5	-2	1.34	-0.5	10	17	7	2.61	10	1	0.14	30	0.91	414	-1	0.06	16	790	2	0.02	-2	4	76	-20
I767209	287.30	287.90	0.60	Shoulder	I767209	-0.01	0	0	0	0	0.2	1.8	3	-10	30	-0.5	-2	1.56	-0.5	13	23	17	3.1	10	-1	0.12	20	1.21	561	2	0.07	21	980	3	0.02	-2	5	82	-20
I767210	287.90	288.40	0.50	5-10% pyrite; 5-10% Chalcopyrite on 2cm	I767210	0.01	0	0	0	0.01	0.6	2.08	11	-10	30	-0.5	-2	2.68	-0.5	19	23	1500	4.72	10	-1	0.14	30	1.32	630	3	0.05	41	940	3	0.98	-2	5	58	-20
I767211	288.40	289.10	0.70	Shoulder	I767211	-0.01	0	0	0	0	0.3	1.48	3	-10	40	-0.5	2	2.32	-0.5	11	18	28	2.8	10	1	0.16	20	0.9	477	3	0.05	16	790	-2	0.07	-2	3	43	-20
I767212	304.75	305.75	1.00	1-2% pyrite on 1cm	I767212	0.01	0	0	0	0.01	0.2	2.92	23	-10	10	-0.5	-2	3.3	-0.5	43	203	34	5.41	10	-1	0.15	-10	1.3	1450	-1	0.04	129	250	-2	0.27	-2	8	29	-20
I767213	323.00	323.80	0.80	Shoulder	I767213	0.01	0	0	0	0.01	0.2	0.96	6	-10	50	-0.5	2	2.43	-0.5	9	13	6	2.54	-10	-1	0.19	30	0.74	479	1	0.06	14	690	2	0.02	-2	2	91	-20
I767214	323.80	324.35	0.55	6cm-thick syenite dyke + quartz	I767214	-0.01	0	0	0	0	0.2	0.9	2	-10	40	-0.5	2	2.22	-0.5	8	12	5	2.36	-10	-1	0.18	30	0.63	451	1	0.05	12	610	2	0.03	-2	1	76	-20
I767215	324.35	325.35	1.00		I767215	0.12	0	0	0	0.12	0.2	1.02	4	-10	40	-0.5	-2	2.42	-0.5	8	12	5	2.6	-10	-1	0.17	30	0.68	443	1	0.05	13	690	2	0.02	-2	2	70	-20
I767216	325.35	326.35	1.00	A 13cm-thick QFP dyke	I767216	-0.01	0	0	0	0	0.2	0.59	7	-10	40	-0.5	3	2.38	-0.5	8	9	6	2.35	-10	-1	0.18	30	0.64	473	13	0.06	11	620	6	0.02	-2	1	90	-20
I767217	326.35	327.50	1.15	Shoulder	I767217	-0.01	0	0	0	0	0.2	0.7	6	-10	40	-0.5	-2	2.49	-0.5	9	9	8	2.6	-10	-1	0.19	20	0.69	492	-1	0.05	12	690	5	0.06	-2	2	94	-20
I767218	327.50	328.10	0.60	Series of cm-thick quartz veins + ank/ser-silica alt	I767218	0.01	0	0	0	0.01	0.2	0.51	14	-10	30	-0.5	2	2.79	-0.5	9	5	11	2.57	-10	-1	0.19	20	0.72	501	1	0.03	12	630	4	0.12	-2	1	129	-20
I767219	328.10	328.60	0.50	Series of cm-thick quartz veins + ank/ser-silica alt	I767219	0.12	0	0	0	0.12	0.3	0.53	5	-10	40	-0.5	2	2.55	-0.5	6	7	19	2.29	-10	-1	0.2	20	0.61	485	1	0.05	7	660	3	0.06	-2	1	110	-20
I767220	328.60	329.65	1.05		I767220	0.01	0	0	0	0.01	0.2	0.7	6	-10	40	-0.5	-2	2.61	-0.5	9	11	3	2.7	-10	-1	0.19	20	0.74	551	1	0.06	13	680	3	0.08	-2	2	99	-20
I767221	329.65	330.55	0.90		I767221	0.01	0	0	0	0.01	0.2	1.26	11	-10	30	-0.5	-2	3.64	-0.5	11	8	7	2.65	-10	-1	0.18	20	0.43	493	-1	0.04	14	960	2	0.16	-2	1	67	-20
I767222	330.55	331.55	1.00		I767222	0.01	0	0	0	0.01	-0.2	0.98	2	-10	30	-0.5	2	3.06	-0.5	10	30	23	2.47	-10	-1	0.16	20	0.49	508	-1	0.05	18	720	7	0.02	-2	2	61	-20
I767223	331.55	332.50	0.95		I767223	0.03	0	0	0	0.03	0.8	1.03	4	-10	50	-0.5	4	3.11	-0.5	9	12	7	2.75	-10	-1	0.19	30	0.6	586	-1	0.06	13	710	10	0.04	-2	2	66	-20
I767224	332.50	332.50	0.00	Blank	I767224	-0.01	0	0	0	0	-0.2	1.62	2	-10	20	-0.5	-2	0.57	-0.5	7	20	-1	3.99	10	1	0.11	30	1.4	357	-1	0.08	18	910	-2	-0.01	-2	4	9	-20
I767225	332.50	332.50	0.00	Standard-L																																			
I767226	332.50	333.50	1.00																																				
I767227	333.50	334.15	0.65		I767227	-0.01	0	0	0	0	0.3	1.13	-2	-10	40	-0.5	2	2.51	-0.5	9	16	18	2.91	-10	-1	0.15	30	0.76	464	-1	0.05	15	710	2	0.03	-2	3	83	-20
I767228	334.15	335.00	0.85	Locally 1% pyrite	I767228	0.05	0	0	0	0.05	0.2	0.88	15	-10	40	-0.5	-2	3.21	-0.5	18	7	43	3.26	-10	-1	0.18	20	0.92	596	-1	0.05	31	760	3	0.5	-2	2	129	-20
I767229	335.00	335.65	0.65	Shoulder	I767229	-0.01	0	0	0	0	-0.2	1.7	3	-10	40	-0.5	-2	2.84	-0.5	12	22	4	3.24	10	-1	0.14	40	0.96	530	-1	0.07	18	770	4	0.02	-2	5	105	-20
I767230	**343.15**	**343.80**	0.65	**Locally 1-2% pyrite**	I767230	0.13	0	0	0	0.13	0.2	1.26	4	-10	50	-0.5	3	2.18	-0.5	11	15	7	2.68	-10	-1	0.14	30	0.79	484	1	0.05	15	720	3	0.17	-2	3	76	-20
I767231	348.00	348.90	0.90	Shoulder	I767231	-0.01	0	0	0	0	-0.2	1.33	-2	-10	30	-0.5	2	2.63	-0.5	11	17	4	2.84	10	-1	0.12	30	0.82	503	-1	0.05	14	730	-2	0.02	-2	3	88	-20
I767232	348.90	349.40	0.50	2cm-thick quartz-pyrite vein	I767232	1.21	0	0	0	1.21	2.3	0.77	18	-10	30	-0.5	62	2.34	-0.5	13	10	146	3.33	-10	-1	0.17	20	0.69	498	-1	0.04	12	630	15	1.41	-2	2	80	-20
I767233	349.40	350.00	0.60	2cm-thick quartz-pyrite vein	I767233	0.89	0	0	0	0.89	1	0.92	83	-10	30	-0.5	10	2.41	-0.5	13	12	68	3.86	-10	-1	0.19	20	0.81	551	-1	0.05	15	780	4	1.57	-2	2	81	-20
I767234	350.00	351.00	1.00	Shoulder	I767234	0.01	0	0	0	0.01	0.2	1.4	3	-10	30	-0.5	3	2.73	-0.5	10	17	14	3.22	-10	1	0.17	20	0.77	533	-1	0.06	18	720	3	0.06	-2	3	61	-20
I767235	351.00	351.60	0.60	Locally quartz-(pyrite) vein	I767235	0.72	0	0	0	0.72	0.2	0.99	2	-10	30	-0.5	2	2.62	-0.5	9	12	17	2.84	-10	-1	0.17	30	0.79	560	-1	0.06	13	700	2	0.2	-2	2	68	-20
I767236	351.60	352.60	1.00	Locally 1-2% pyrite as veinlets	I767236	0.31	0	0	0	0.31	1	1.36	5	-10	40	-0.5	9	2.53	-0.5	10	14	33	3.32	10	-1	0.17	30	0.85	545	-1	0.07	16	710	8	0.46	-2	3	69	-20
I767237	352.60	353.60	1.00	Shoulder	I767237	0.01	0	0	0	0.01	0.3	1.53	-2	-10	30	-0.5	-2	2.92	-0.5	10	18	12	3.03	10	-1	0.12	30	0.82	506	-1	0.06	15	760	2	0.06	-2	3	91	-20
I767238	353.60	354.30	0.70	Shoulder	I767238	-0.01	0	0	0	0	-0.2	1.35	3	-10	40	-0.5	-2	2.48	-0.5	10	16	18	2.95	-10	-1	0.13	30	0.81	517	-1	0.06	14	720	3	0.21	-2	3	97	-20
I767239	354.30	354.80	0.50	Locally 1-2% pyrite	I767239	0.02	0	0	0	0.02	0.2	1.18	-2	-10	30	-0.5	-2	2.46	-0.5	11	15	9	2.86	10	-1	0.11	30	0.81	515	-1	0.05	16	720	4	0.11	-2	3	97	-20
I767240	354.80	355.65	0.85	Shoulder	I767240	-0.01	0	0	0	0	-0.2	1.19	-2	-10	40	-0.5	3	2.53	-0.5	10	15	9	3.08	-10	-1	0.12	30	0.87	522	1	0.07	16	780	3	0.02	-2	3	105	-20
I767241	355.65	356.45	0.80		I767241	-0.01	0	0	0	0	-0.2	0.84	-2	-10	50	-0.5	-2	2.37	-0.5	9	13	11	2.82	-10	-1	0.13	30	0.78	480	1	0.05	20	710	6	0.02	-2	2	87	-20
I767242	356.45	357.30	0.85	Sericite/ankerite-silica alteration zone	I767242	-0.01	0	0	0	0	0.2	0.97	2	-10	40	-0.5	-2	2.56	-0.5	10	13	13	2.94	-10	-1	0.13	30	0.78	506	1	0.05	15	700	2	0.1	-2	2	96	-20
I767243	357.30	358.00	0.70	Shoulder	I767243	0.03	0	0	0	0.03	-0.2	0.74	4	-10	40	-0.5	-2	2.57	-0.5	9	10	14	2.87	-10	-1	0.16	20	0.76	491	-1	0.05	14	690	2	0.12	-2	2	106	-20
I767244	363.25	364.20	0.95	Shoulder	I767244	0.15	0	0	0	0.15	0.3	0.94	-2	-10	40	-0.5	-2	2.8	-0.5	9	11	26	3.05	-10	-1	0.15	20	0.78	518	1	0.05	14	730	-2	0.15	-2	2	83	-20
I767245	364.20	364.70	0.50	A 1.5cm-thick quartz-pyrite vein; 2-3% pyrite	I767245	0.28	0	0	0	0.28	0.5	0.91	22	-10	30	-0.5	-2	2.87	0.7	11	10	77	2.83	-10	-1	0.13	20	0.63	492	1	0.04	14	690	3	0.47	-2	2	63	-20
I767246	364.70	366.00	1.30	Shoulder	I767246	0.03	0	0	0	0.03	0.2	1.24	-2	-10	60	-0.5	-2	2.34	-0.5	9	14	24	2.74	-10	1	0.11	30	0.74	445	-1	0.05	13	680	-2	0.07	-2	2	187	-20
I767247	366.00	367.00	1.00		I767247	-0.01	0	0	0	0	0.2	1.27	-2	-10	100	-0.5	-2	2.35	-0.5	9	15	1	2.66	10	1	0.11	30	0.75	441	-1	0.05	14	670	-2	0.01	-2	2	339	-20
I767248	367.00	367.85	0.85	Local quartz-magnetite vein + 1-2% pyrite as alt along edg	I767248	0.01	0	0	0	0.01	-0.2	1.59	-2	-10	30	-0.5	-2	0.61	-0.5	7	21	5	4.23	10	-1	0.08	30	1.4	351	-1	0.07	17	900	-2	-0.01	-2	4	9	-20
I767249	367.85	367.85	0.00	Blank	I767249	-0.01	0	0	0	0	-0.2	0.73	-2	-10	40	-0.5	-2	2.48	-0.5	9	11	8	2.85	-10	-1	0.14	30	0.75	472	-1	0.06	12	660	2	0.05	-2	2	98	-20
I767250	**367.85**	**367.85**	0.00	**Standard-H**																																			
I767251	367.85	369.00	1.15	Shoulder																																			
I767252	372.50	373.00	0.50	Local quartz vein	I767252	0.03	0	0	0	0.03	0.2	1.45	-2	-10	40	-0.5	-2	2.33	-0.5	10	13	4	2.86	10	1	0.13	30	0.75	438	-1	0.05	15	710	-2	0.04	-2	2	83	-20
I767253	373.00	374.00	1.00		I767253	-0.01	0	0	0	0	0.2	1.47	-2	-10	40	-0.5	-2	2.56	-0.5	9	16	8	2.99	-10	-1	0.12	30	0.79	476	-1	0.06	15	710	-2	0.02	-2	3	83	-20
I767254	374.00	374.50	0.50	A 2cm-thick quartz-pyrite vein	I767254	0.32	0	0	0	0.32	0.6	1.34	20	-10	40	-0.5	2	1.92	-0.5	12	10	77	3.07	-10	-1	0.15	20	0.73	361	-1	0.03	12	640	2	0.72	-2	1	63	-20
I767255	374.50	375.50	1.00		I767255	-0.01	0	0	0	0	0.2	1.44	-2	-10	40	-0.5	-2	2.58	-0.5	9	13	19	2.97	-10	-1	0.13	30	0.76	446	-1	0.05	14	690	-2	0.14	-2	2	82	-20
I767256	375.50	376.50	1.00		I767256	-0.01	0	0	0	0	0.2	1.46	4	-10	40	-0.5	-2	2.83	-0.5	9	12	20	2.91	-10	-1	0.12	30	0.73	478	-1	0.05	13	690	-2	0.17	-2	2	80	-20
I767257	384.00	385.10	1.10		I767257	0.01	0	0	0	0.01	0.2	1.29	-2	-10	100	-0.5	-2	2.54	-0.5	9	16	8	3.01	-10	-1	0.13	30	0.82	496	-1	0.06	15	750	-2	-0.01	-2	3	123	-20
I767258	385.10	386.00	0.90		I767258	0.03	0	0	0	0.03	1.7	0.67	11	-10	40	-0.5	11	2.44	-0.5	11	11	55	3.41	-10	-1	0.14	20	0.78	483	-1	0.05	14	680	3	0.77	-2	2	76	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358498 N, NAD83	AZIMUTH:	210
HOLE NO:	CAR-45-2010	EASTING:	451607 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	341m
START DATE:		Line 6+73E; Station 8+57N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensity					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**9,00**	**9,00**	**OB**																		**Casing/Overburden**
9,00	**104,40**	**95,40**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																					Locally fine fractures with silicified edges. Locally weakly magnetic where unaltered
9,65	9,86																				Carbonate-silica alteration zone (grey color); including tr-1% disseminated pyrite
10,37	10,38																				A 1cm-thick carbonate-(pyrite) vein; 70TCA; 1-2% pyrite
24,03	24,04																				Tr-1% pyrite along fracture and/or chlorite veinlet
51,85	51,99																				A 9cm-thick quartz-carbonate-(tourmaline?) vein; 55TCA; tr pyrite
54,12	54,21																				A 7cm-thick chlorite-carbonate-quartz vein; 50TCA
56,90	62,77																				Unaltered granite (pinkish color); locally weakly magnetic
64,70	65,35																				A micro-fracture (5TCA) with chlorite-pyrite along the edges + silica alteration; tr-1% pyrite
66,85	69,85																				Pervasive silica-sericite alteration (dark grey color) associated with fine down-dip chlorite-pyrite stringer and low-angle mineralized zone
68,68	69,35																				Low-angle quartz-pyrite veinlet (1cm-thick); 5TCA. Up to 5% pyrite
69,40	69,82																				Series of low-angle quartz-pyrite veins (15TCA; 2-3cm-thick); up to 10% pyrite
73,25	81,35																				Unaltered granite; locally weakly magnetic
79,00	79,44																				A 1cm-thick quartz vein (10TCA)
81,70	83,25																				Partially broken core
104,40	**144,50**	**40,10**																			**Altered granite**
																					Hematite-calcite alteration zone; chlorite-rich; locally goethite. Locally ~5% vuggy due to calcite dissolution. Contacts are gradational
113,80	113,81																				Small shear zone; 50TCA, including tr-1% pyrite and chlorite
144,50	**178,65**	**34,15**																			**Granite**
																					Idem as previous granite unit
161,35	164,90																				Weak carbonate alteration zone (light grey color)
162,92	163,01																				A 7cm-thick quartz-(chlorite)-(carbonate) vein; including tr-1% pyrite associated; 50TCA
176,25	176,75																				Series of small fractures (at a 5 to 10cm interval; 45TCA) with silica alteration along edges; tr-1% pyrite
177,26	177,28																				A 2cm-thick quartz-pyrite vein; 60TCA. 3-4% pyrite
178,00	178,05																				Quartz-pyrite veinlets on 3cm; up to 5% pyrite
178,65	**201,65**	**23,00**																			**Altered granite**
																					Hematite-calcite alteration zone; chlorite-rich. Purple-ish red color. Contacts are gradational. Up to 5% voids due to calcite dissolution
182,55	183,75																				Zone of pyrite alteration; 2-3% pyrite as disseminated grains and locally filling some voids. Locally 1-2% chalcopyrite
183,47	183,52																				A 4cm-thick semi-massive pyrite vein; 50TCA
201,65	**281,85**	**80,20**																			**Granite**
																					Idem as previous granite unit
201,65	203,48																				Weak carbonate alteration zone (light grey color)
212,55	215,31																				Altered granite (hematite-calcite). Locally presence of voids due to calcite dissolution. Contacts are gradational
217,60	224,80																				Weak to moderate carbonate-(silica) alteration zone (light to medium grey color). Contacts are gradational
218,30	218,33																				Small aplite dyke; 80TCA
220,65	223,50																				Strong silica-sericite alteration zone (dark grey color). Core is partially broken
222,45	222,63																				A carbonate-jasper-sericite vein/breccia vein; tr fuschite; tr pyrite

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358498 N, NAD83	AZIMUTH:	210
HOLE NO:	CAR-45-2010	EASTING:	451607 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	341m
START DATE:		Line 6+73E; Station 8+57N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
225,17	225,23																				Small aplite dyke; 80TCA
237,00	238,65																				Goethite (and/or Kspar?)-silica partial alteration zone (orange color). Including local quartz veinlets
237,05	237,07																				A 2cm-thick aplite dyke/vein; 65TCA
239,00	242,00																				Zone of partially broken core
239,55	239,72																				Strong silica-goethite alteration zone (orange-red color)
240,55	240,62																				A 5cm-thick syenite dyke (40TCA) + quartz associated and 1% pyrite as dislocated stringers
242,35	246,45																				Goethite (and/or Kspar?)-silica partial alteration zone (orange color). Including local quartz veinlets
244,50	245,30																				In situ breccia with chlorite-(leucoxene) matrix
249,70	249,85																				Series of micro-fractures at a 1cm interval; 30TCA. 1% pyrite associated along edges + silica-hem/goethite alteration
253,80	257,30																				Strong silica-hematite/goethite and/or Kspar alteration zone; including local carbonate and/or quartz tension fractures
255,30	255,75																				Down-dip 0.5cm-thick quartz veinlet
259,55	259,58																				A 2cm-thick quartz vein (45TCA); including tr pyrite; tr chalcopyrite. Faulted on few mm (10TCA).
259,77	259,80																				Quartz-carbonate and chlorite veinlets on 3cm; 90TCA
268,75	269,30																				Silica-carbonate-hematite alteration zone associated with a 0.5cm-thick quartz veinlet (15TCA); tr pyrite
273,55	277,00																				Moderate to strong silica-hematite/goethite and/or Kspar alteration zone; including local carbonate and/or quartz tension fractures
281,85	**296,55**	**14,70**																			**Altered granite**
																					Hematite-carbonate-vuggy alteration zone (red to purple-ish red color). Uphole contact is gradational. Chlorite/sericite-silica strong alteration the downhole contact.
295,35	296,55																				Strong chlorite/sericite-silica alteration zone (dark greenish-grey color); including 1% disseminated pyrite.
296,55	**299,50**	**2,95**																			**Mafic volcanic and/or ultramafic**
																					Dark green to black color (chlorite-rich); presence of fuschite (1%); locally brecciated.
297,40	297,40																				Schistosity: 5TCA
299,28	299,50																				Contact zone: brecciated with chlorite-rich matrix; 50TCA
299,50	**341,00**	**41,50**																			**Granite**
																					Idem as previous granite unit
299,50	301,45																				Contact zone; pervasive carbonate-sericite alteration zone (grey color)
301,45	307,70																				Pervasive hem/goethite-silica-carbonate alteration zone giving the rock a orange-red color
302,00	302,40																				Broken core; fault zone
315,75	316,30																				Carbonate-hematite-silica alteration zone (pinkish orange color)
325,35	335,15																				Weak to moderate carbonate-sericite alteration zone (light to medium grey color)
332,69	332,81																				A 3cm-thick quartz-tourmaline-chlorite-carbonate vein; 25TCA
334,07	334,28																				A 9cm-thick quartz-tourmaline-chlorite-carbonate vein; 30TCA. Tr chalcopyrite; tr pyrite
334,46	334,56																				A 3cm-thick quartz-chlorite/biotite-carbonate vein; 35TCA
339,04	339,05																				A 0.5cm-thick pyrite veinlet; 60TCA. Silica-carbonate alteration zone associated along edges.
339,17	339,18																				A 0.5cm-thick carbonate-(pyrite) veinlet; 50TCA. Silica-carbonate alteration zone associated along edges.
341,00	EOH																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358498 N, NAD83	**AZIMUTH:**	210.00
HOLE NO:	CAR-45-2010	**EASTING:**	451607 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	341m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample	Depth	Depth	Sample	Rock Code	Assay Results																																		
Number	From	To	Interval	Comment	SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I767259	9.65	10.50	0.85	Locally 1-2% pyrite as veinlets	I767259	0.09	0	0	0	0.09	0.3	1.26	6	-10	50	-0.5	-2	2.15	-0.5	9	16	14	2.68	-10	1	0.19	20	0.71	461	-1	0.05	14	660	-2	0.26	-2	3	46	-20
I767260	51.60	52.20	0.60	9cm-thick quartz-carbonate vein; tr pyrite	I767260	-0.01	0	0	0	0	-0.2	1.05	2	-10	40	-0.5	-2	4.16	-0.5	7	11	2	2.19	-10	-1	0.15	20	0.61	568	-1	0.04	10	580	-2	0.01	-2	2	132	-20
I767261	52.20	53.00	0.80	Shoulder	I767261	-0.01	0	0	0	0	-0.2	1.28	-2	-10	70	-0.5	-2	1.34	-0.5	9	15	14	2.55	10	-1	0.22	30	0.83	360	-1	0.05	15	680	-2	0.01	-2	2	51	-20
I767262	53.00	54.00	1.00	Shoulder	I767262	-0.01	0	0	0	0	-0.2	1.24	-2	-10	50	-0.5	-2	1.61	-0.5	8	15	5	2.4	10	-1	0.14	30	0.81	374	1	0.05	14	690	-2	-0.01	-2	3	45	-20
I767263	54.00	54.50	0.50	A 7cm-thick chlorite-carbonate-quartz vein	I767263	-0.01	0	0	0	0	-0.2	1.23	-2	-10	50	-0.5	-2	1.26	-0.5	9	15	5	2.48	10	-1	0.14	20	0.82	373	-1	0.05	14	660	2	-0.01	-2	2	52	-20
I767264	64.70	65.35	0.65	tr pyrite	I767264	-0.01	0	0	0	0	0.2	1.3	3	-10	70	-0.5	-2	2.59	-0.5	11	16	21	2.71	10	1	0.29	20	0.83	485	-1	0.05	16	740	-2	0.26	-2	3	45	-20
I767265	65.35	66.85	1.50	Shoulder	I767265	0.01	0	0	0	0.01	-0.2	1.33	-2	-10	60	-0.5	-2	1.46	-0.5	10	17	8	2.48	10	-1	0.26	30	0.81	362	-1	0.05	14	700	-2	0.04	-2	3	55	-20
I767266	66.85	67.65	0.80	tr-1% pyrite + silica-sericite alteration	I767266	-0.01	0	0	0	0	0.2	1.3	2	-10	50	-0.5	-2	2.1	-0.5	9	17	15	2.67	-10	-1	0.18	30	0.76	440	-1	0.04	14	710	-2	0.1	-2	3	44	-20
I767267	67.65	68.65	1.00	tr-1% pyrite + alteration	I767267	0.08	0	0	0	0.08	-0.2	1.26	7	-10	50	-0.5	-2	2.25	-0.5	9	15	35	2.71	-10	1	0.19	20	0.7	466	1	0.05	14	690	-2	0.25	-2	2	38	-20
I767268	68.65	69.35	0.70	Low-angle quartz-pyrite veinlets; up to 5% pyrite	I767268	3.28	0	0	0	3.28	1.7	0.75	126	-10	60	-0.5	5	1.72	-0.5	11	6	616	4.05	-10	-1	0.29	10	0.33	299	-1	0.02	11	590	-2	3.07	-2	1	27	-20
I767269	69.35	69.85	0.50	Low-angle quartz-pyrite vein; 10% pyrite	I767269	>10.00	0	12.7	0	12.7	2.9	0.62	271	-10	60	-0.5	19	1.21	-0.5	19	5	382	7.36	-10	-1	0.27	10	0.27	198	-1	0.02	15	490	2	7.06	-2	1	12	-20
I767270	69.85	70.70	0.85	Shoulder	I767270	-0.01	0	0	0	0	0.2	1.29	2	-10	50	-0.5	-2	1.57	-0.5	9	16	14	2.44	-10	-1	0.16	20	0.77	394	-1	0.05	13	690	-2	0.03	-2	3	52	-20
I767271	113.60	114.10	0.50	1cm-thick shear zone; tr-1% pyrite	I767271	0.20	0	0	0	0.2	0.3	2.34	2	-10	50	-0.5	-2	0.44	-0.5	13	24	-1	3.83	10	1	0.13	20	2	521	-1	0.05	24	1150	-2	0.14	-2	5	14	-20
I767272	161.35	162.60	1.25	Shoulder	I767272	-0.01	0	0	0	0	-0.2	1.23	2	-10	60	-0.5	-2	1.64	-0.5	8	16	8	2.38	-10	1	0.22	30	0.74	374	1	0.05	14	710	-2	0.03	-2	3	60	-20
I767273	162.60	163.10	0.50	A 7cm-thick quartz vein; tr-1% pyrite.	I767273	-0.01	0	0	0	0	-0.2	1.13	4	-10	50	-0.5	-2	1.73	-0.5	8	11	5	2.4	-10	-1	0.19	30	0.62	359	-1	0.04	11	580	-2	0.18	-2	2	43	-20
I767274	163.10	163.10	0.00	Blank	I767274	-0.01	0	0	0	0	0.2	1.69	2	-10	30	-0.5	-2	0.57	-0.5	7	22	-1	4.09	10	-1	0.09	30	1.44	377	-1	0.07	19	900	-2	-0.01	-2	4	8	-20
I767275	163.10	163.10	0.00	Standard-L																																			
I767276	163.10	164.00	0.90	Shoulder																																			
I767277	176.25	177.00	0.75	Shoulder	I767277	0.42	0	0	0	0.42	0.4	1.38	10	-10	40	-0.5	-2	1.42	-0.5	11	21	28	2.95	10	-1	0.12	30	0.95	393	1	0.04	20	750	2	0.3	-2	4	40	-20
I767278	177.00	177.50	0.50	2cm-thick quartz-pyrite vein; 3-4% pyrite	I767278	1.23	0	0	0	1.23	0.6	1.63	42	-10	40	-0.5	-2	1.37	-0.5	11	20	25	3.69	10	-1	0.13	20	1.34	402	1	0.04	17	820	-2	1.05	-2	4	14	-20
I767279	177.50	178.15	0.65	Quartz-pyrite veinlets on 3cm; up to 5% pyrite	I767279	0.32	0	0	0	0.32	0.3	1.55	46	-10	30	-0.5	-2	1.44	-0.5	10	19	29	3.59	10	-1	0.12	20	1.23	398	1	0.03	16	790	-2	0.97	-2	4	19	-20
I767280	178.15	178.65	0.50	Shoulder	I767280	0.21	0	0	0	0.21	0.2	1.79	2	-10	30	-0.5	-2	1.54	-0.5	8	22	11	3.24	10	1	0.1	30	1.39	436	3	0.04	18	800	-2	0.02	-2	5	27	-20
I767281	181.55	182.55	1.00	Shoulder	I767281	0.59	0	0	0	0.59	0.3	2.31	4	-10	20	-0.5	-2	3.48	-0.5	10	25	8	4	10	1	0.06	20	1.91	541	1	0.04	21	1030	2	0.08	-2	7	21	-20
I767282	182.55	183.20	0.65	2-3% pyrite as alteration and filling voids	I767282	5.22	0	0	0	5.22	1.8	2.92	151	-10	40	-0.5	72	1.66	-0.5	25	22	1535	6.26	10	-1	0.21	20	2.52	500	39	0.01	28	1340	32	2.74	-2	3	14	-20
I767283	183.20	183.75	0.55	1-2% diss CPY; 1-2% PY; 4cm-thick semi-massive PY	I767283	>10.00	0	107.5	0	107.5	31.3	2.58	493	-10	30	-0.5	107	3.55	-0.5	20	17	2500	9.17	10	1	0.16	20	2.18	537	30	0.02	22	970	54	6.84	-2	3	30	-20
I767284	183.75	184.50	0.75	Shoulder	I767284	0.10	0	0	0	0.1	0.3	2.25	7	-10	20	-0.5	-2	3.55	-0.5	8	22	175	3.61	10	1	0.06	10	1.76	510	-1	0.06	18	900	-2	0.03	-2	5	36	-20
I767285	220.00	220.65	0.65	Shoulder	I767285	0.01	0	0	0	0.01	-0.2	1.36	-2	-10	40	-0.5	-2	1.83	-0.5	9	17	6	2.63	10	-1	0.12	20	0.91	260	1	0.04	14	680	-2	0.01	-2	3	22	-20
I767286	220.65	221.50	0.85	Sericite-silica alteration zone	I767286	0.07	0	0	0	0.07	-0.2	1.96	-2	-10	20	-0.5	-2	0.82	-0.5	13	15	2	3.42	10	-1	0.06	20	1.83	289	1	0.04	16	720	-2	0.02	-2	4	8	-20
I767287	221.50	222.20	0.70	Sericite-silica alteration zone	I767287	0.01	0	0	0	0.01	-0.2	1.84	-2	-10	30	-0.5	-2	0.49	-0.5	13	16	2	3.11	10	-1	0.09	20	1.76	284	1	0.06	17	700	-2	0.04	-2	4	9	-20
I767288	222.20	222.70	0.50	Carbonate-jaspe vein + broken core	I767288	0.01	0	0	0	0.01	0.2	2.96	2	-10	20	-0.5	-2	5.21	-0.5	20	190	8	4.57	10	-1	0.08	10	2.73	744	-1	0.02	75	1290	2	0.02	-2	7	79	-20
I767289	222.70	223.50	0.80	Sericite-silica alteration zone	I767289	0.01	0	0	0	0.01	0.2	1.55	-2	-10	60	-0.5	-2	2.4	-0.5	12	29	38	2.75	-10	-1	0.15	20	1.1	367	1	0.03	20	790	2	0.11	-2	2	32	-20
I767290	223.50	224.80	1.30	Carbonate alteration zone	I767290	0.01	0	0	0	0.01	-0.2	1.38	-2	-10	60	-0.5	-2	2.23	-0.5	12	39	31	2.75	-10	-1	0.15	30	0.82	401	-1	0.04	20	750	-2	0.03	-2	4	46	-20
I767291	224.80	225.50	0.70	Shoulder	I767291	-0.01	0	0	0	0	-0.2	1.13	-2	-10	40	-0.5	-2	1.05	-0.5	9	15	4	2.07	-10	-1	0.1	20	0.77	327	1	0.05	14	620	4	0.01	-2	3	51	-20
I767292	237.00	238.00	1.00	Shoulder	I767292	-0.01	0	0	0	0	-0.2	1.5	4	-10	30	-0.5	-2	0.85	-0.5	11	20	2	2.92	10	-1	0.07	30	1.19	451	-1	0.05	17	740	2	0.01	-2	5	28	-20
I767293	238.00	238.65	0.65	Goethite alteration zone (or Kspar?)	I767293	-0.01	0	0	0	0	-0.2	1.86	2	-10	20	-0.5	-2	0.97	-0.5	13	25	3	3.69	10	-1	0.07	30	1.59	595	-1	0.05	21	940	2	-0.01	-2	7	30	-20
I767294	238.65	239.40	0.75	Shoulder	I767294	0.03	0	0	0	0.03	-0.2	1.3	-2	-10	40	-0.5	-2	0.68	-0.5	9	17	-1	2.43	-10	-1	0.1	30	1.01	363	-1	0.04	13	650	-2	0.01	-2	3	32	-20
I767295	239.40	240.40	1.00	Goethite and/or Kspar alteration	I767295	-0.01	0	0	0	0	-0.2	1.35	-2	-10	30	-0.5	-2	1.05	-0.5	9	16	1	2.46	10	-1	0.08	30	1.07	398	-1	0.03	13	670	-2	-0.01	-2	4	36	-20
I767296	240.40	240.90	0.50	Local syenite dyke; 1% pyrite	I767296	0.01	0	0	0	0.01	-0.2	1.46	2	-10	270	-0.5	-2	0.74	-0.5	10	18	2	2.75	10	-1	0.08	30	1.14	409	-1	0.04	14	690	2	0.03	-2	5	37	-20
I767297	240.90	242.35	1.45	Shoulder	I767297	-0.01	0	0	0	0	-0.2	1.31	-2	-10	40	-0.5	-2	0.69	-0.5	9	16	-1	2.33	10	-1	0.09	30	0.99	358	-1	0.03	14	660	-2	-0.01	-2	4	41	-20
I767298	242.35	243.35	1.00	Kspar alteration(?) and/or goethite	I767298	-0.01	0	0	0	0	-0.2	1.42	-2	-10	30	-0.5	-2	0.83	-0.5	10	17	-1	2.69	10	-1	0.08	40	1.08	395	-1	0.04	14	650	-2	-0.01	-2	5	29	-20
I767299	243.35	243.35	0.00	Blank	I767299	0.01	0	0	0	0.01	-0.2	1.48	-2	-10	20	-0.5	-2	0.61	-0.5	6	20	-1	3.99	10	-1	0.07	30	1.33	332	-1	0.06	16	890	-2	-0.01	-2	5	11	-20
I767300	243.35	243.35	0.00	Standard-H																																			
I767301	243.35	244.50	1.15	Shoulder																																			
I767302	244.50	245.30	0.80	Breccia zone; presence of leucoxene	I767302	0.01	0	0	0	0.01	-0.2	1.49	-2	-10	40	-0.5	-2	0.9	-0.5	10	16	-1	2.7	10	-1	0.09	30	1.09	411	-1	0.05	13	630	-2	-0.01	-2	4	33	-20
I767303	245.30	246.45	1.15	Shoulder	I767303	0.03	0	0	0	0.03	-0.2	1.3	2	-10	50	-0.5	-2	1.07	-0.5	9	22	-1	2.29	-10	-1	0.11	30	0.96	350	-1	0.04	15	570	2	0.01	-2	4	43	-20
I767304	248.50	249.50	1.00		I767304	-0.01	0	0	0	0	-0.2	1.36	-2	-10	40	-0.5	-2	0.78	-0.5	9	18	1	2.45	10	-1	0.11	30	0.94	364	1	0.04	13	610	2	-0.01	-2	4	45	-20
I767305	249.50	250.00	0.50		I767305	-0.01	0	0	0	0	-0.2	1.25	-2	-10	30	-0.5	-2	0.62	-0.5	10	26	6	2.53	10	-1	0.09	30	0.92	331	-1	0.05	15	570	-2	0.07	-2	4	27	-20
I767306	253.80	254.40	0.60		I767306	0.03	0	0	0	0.03	-0.2	1.49	-2	-10	90	-0.5	-2	1.64	-0.5	11	18	1	2.87	10	-1	0.09	30	1.1	451	-1	0.04	15	740	2	0.03	-2	4	28	-20
I767307	254.40	255.00	0.60		I767307	0.01	0	0	0	0.01	-0.2	1.27	-2	-10	40	-0.5	-2	1.51	-0.5	9	15	1	2.53	10	-1	0.12	30	0.82	405	-1	0.03	13	650	2	-0.01	-2	3	38	-20
I767308	255.00	255.75	0.75		I767308	-0.01	0	0	0	0	-0.2	1.23	-2	-10	40	-0.5	-2	1.81	-0.5	8	16	1	2.46	-10	-1	0.13	30	0.75	404	-1	0.04	11	610	-2	-0.01	-2	3	39	-20
I767309	255.75	256.30	0.55		I767309	-0.01	0	0	0	0	-0.2	1.28	-2	-10	40	-0.5	-2	1.83	-0.5	8	15	10	2.51	-10	-1	0.13	30	0.76	414	-1	0.04	11	700	2	0.01	-2	3	32	-20
I767310	256.30	257.30	1.00		I767310	-0.01	0	0	0	0	-0.2	1.4	2	-10	40	-0.5	-2	1.33	-0.5	9	16	6	2.58	-10	-1	0.11	30	0.88	413	-1	0.05	14	690	2	-0.01	-2	3	49	-20
I767311	257.30	258.40	1.10		I767311	0.01	0	0	0	0.01	-0.2	1.34	-2	-10	50	-0.5	-2	1.07	-0.5	10	16	7	2.46	-10	-1	0.1	30	0.9	409	-1	0.05	15	710	-2	-0.01	-2	2	53	-20
I767312	258.40	259.30	0.90		I767312	0.01	0	0	0	0.01	-0.2	1.34	-2	-10	50	-0.5	-2	1.02	-0.5	10	15	6	2.58	10	-1	0.12	30	0.89	417	-1	0.04	15	720	2	-0.01	-2	2	53	-20
I767313	259.30	260.00	0.70		I767313	0.01	0	0	0	0.01	-0.2	1.37	-2	-10	70	-0.5	-2	1.55	-0.5	10	15	15	2.51	10	-1	0.11	30	0.86	424	-1	0.04	14	730	2	0.04	-2	3	63	-20
I767314	268.75	269.30	0.55		I767314	0.01	0	0	0	0.01	0.2	1.28	2	-10	100	-0.5	-2	2.02	-0.5	13	13	24	2.55	-10	-1	0.16	20	0.77	430	-1	0.03	13	690	-2	0.19	-2	2	36	-20
I767315	273.55	274.55	1.00		I767315	-0.01	0	0	0	0	-0.2	1.35	-2	-10	40	-0.5	-2	1.95	-0.5	9	14	6	2.51	-10	-1	0.11	30	0.78	432	-1	0.04	14	760	2	-0.01	-2	3	72	-20
I767316	274.55	275.25	0.70		I767316	-0.01	0	0	0	0	-0.2	1.31	-2	-10	40	-0.5	-2	1.86	-0.5	9	14	5	2.5	-10	-1	0.13	30	0.78	407	-1	0.04	13	680	-2	-0.01	-2	3	53	-20
I767317	275.25	276.00	0.75		I767317	-0.01	0	0	0	0	-0.2	1.17	-2	-10	40	-0.5	-2	2.12	-0.5	7	9	5	2.2	-10	-1	0.16	20	0.59	354	-1	0.03	11	680	2	-0.01	-2	2	29	-20
I767318	276.00	277.00	1.00		I767318	0.01	0	0	0	0.01	-0.2	1.4	-2	-10	40	-0.5	-2	2.08	-0.5	9	15	3	2.67	10	-1	0.16	40	0.78	428	-1	0.04	14	700	2	-0.01	-2	3	40	-20
I767319	294.50	295.35	0.85	Shoulder	I767319	-0.01	0	0	0	0	-0.2	1.32	-2	-10	30	-0.5	-2	1.91	-0.5	9	17	1	2.62	10	-1	0.07	40	0.8	253	1	0.06	15	750	-2	0.03	-2	5	22	-20
I767320	295.35	296.55	1.20	1% disseminated pyrite	I767320	-0.01	0	0	0	0	-0.2	1.42	2	-10	160	-0.5	-2	2.71	-0.5	10	14	40	2.75	-10	-1	0.12	20	0.94	339	7	0.03	14	700	2	0.05	-2	3	44	-20
I767321	296.55	297.55	1.00	Mafic volcanic rock + 1% fuschite	I767321	-0.01	0	0	0	0	-0.2	4.72	2	-10	60	0.6	-2	11.15	-0.5	22	494	6	7.3	10	-1	0.1	20	4.12	1380	1	-0.01	96	1940	2	-0.01	-2	16	365	-20
I767322	297.55	298.50	0.95	Mafic volcanic rock + 1% fuschite	I767322	-0.01	0	0	0	0	-0.2	3.25	3	-10	40	-0.5	-2	9.1	-0.5	16	191	7	5.75	10	-1	0.15	20	3.05	1390	-1	0.01	53	1300	-2	-0.01	-2	8	395	-20
I767323	298.50	299.50	1.00	Mafic volcanic rock fault zone	I767323	-0.01	0	0	0	0	-0.2	2.49	2	-10	40	-0.5	-2	5.18	-0.5	11	107	13	4.11	-10	-1	0.19	30	2.06	844	10	0.01	36	1430	5	-0.01	-2	5	153	-20
I767324	299.50	299.50	0.00	Blank	I767324	0.02	0	0	0	0.02	-0.2	1.74	-2	-10	20	-0.5	-2	0.82	-0.5	7	19	-1	4.56	10	-1	0.07	30	1.56	381	-1	0.06	17	1210	2	-0.01	-2	5	13	-20
I767325	299.50	299.50	0.00	Standard-L																																			
I767326	299.50	300.50	1.00	Granite contact zone																																			
I767327	300.50	301.45	0.95		I767327	-0.01	0	0	0	0	-0.2	1.55	3	-10	50	-0.5	-2	3	-0.5	10	10	3	3	-10	-1	0.2	30	0.77	434	-1	0.03	17	800	2	0.04	-2	2	60	-20
I767328	301.45	302.45	1.00	Fault zone	I767328	-0.01	0	0	0	0	-0.2	1.33	4	-10	40	-0.5	-2	3.44	-0.5	9	10	14	2.74	-10	-1	0.18	30	0.74	503	-1	0.03	16	760	2	0.03	-2	3	77	-20
I767329	302.45	303.00	0.55	Shoulder	I767329	-0.01	0	0	0	0	-0.2	1.43	7	-10	50	-0.5	-2	3.55	-0.5	10	6	4	2.97	-10	-1	0.16	20	0.81	513	-1	0.03	15	740	-2	0.11	-2	2	115	-20
I767330	332.00	332.60	0.60	Shoulder	I767330	-0.01	0	0	0	0	-0.2	1.36	-2	-10	50	-0.5	-2	2.11	-0.5	9	16	5	2.7	10	-1	0.18	30	0.78	409	-1	0.05	15	750	-2	0.01	-2	3	78	-20
I767331	332.60	333.10	0.50	3cm-thick quartz-tourmaline vein	I767331	-0.01	0	0	0	0	-0.2	1.27	-2	-10	50	-0.5	-2	3.21	-0.5	9	13	-1	2.6	-10	-1	0.16	30	0.7	528	-1	0.05	13	730	-2	0.01	-2	2	100	-20
I767332	333.10	334.00	0.90	Shoulder	I767332	-0.01	0	0	0	0	-0.2	1.33	-2	-10	50	-0.5	-2	2.25	-0.5	9	15	4	2.77	10	-1	0.15	30	0.76	451	-1	0.05	15	740	-2	0.01	-2	3	64	-20
I767333	334.00	334.60	0.60	Quartz-tourmaline veins	I767333	0.02	0	0	0	0.02	-0.2	1.27	3	-10	40	-0.5	-2	5.62	0.5	9	7	57	2.75	10	-1	0.14	30	0.76	794	-1	0.03	15	510	16	0.04	-2	3	302	-20
I767334	334.60	335.15	0.55	Shoulder	I767334	-0.01	0	0	0	0	-0.2	1.29	-2	-10	50	-0.5	-2	2.26	-0.5	9	14	1	2.62	10	-1	0.15	40	0.74	468	-1	0.05	14	730	-2	0.01	-2	3	59	-20
I767335	338.00	338.90	0.90	Shoulder	I767335	0.03	0	0	0	0.03	-0.2	1.28	2	-10	50	-0.5	-2	1.33	-0.5	10	16	9	2.35	-10	-1	0.15	30	0.78	412	-1	0.05	15	730	-2	0.07	-2	3	79	-20
I767336	338.90	339.40	0.50	Local pyrite stringers	I767336	0.52	0	0	0	0.52	1.7	1.31	22	-10	70	-0.5	2	1.41	7.2	10	16	234	2.61	-10	-1	0.23	30	0.75	396	-1	0.05	15	810	3	0.45	-2	3	65	-20
I767337	339.40	340.00	0.60	Shoulder	I767337	-0.01	0	0	0	0	-0.2	1.4	-2	-10	70	-0.5	-2	1.21	-0.5	10	20	4	2.37	10	-1	0.26	30	0.82	388	-1	0.05	16	770	-2	0.02	-2	3	82	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357855 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-46-2010	EASTING:	451700 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	254m
START DATE:		Line 7+50E; Station 2+10N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensity					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**1,58**	**1,58**	**OB**																		**Casing/Overburden**
1,58	**23,25**	**21,67**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																					Pervasively altered (silica-carbonate-sericite); dark greenish-grey color. Locally tr-1% pyrite
9,45	9,78																				Zone with tr-1% pyrite associated with a down-dip calcite veinlet
11,75	12,12																				Shear zone with eyes of quartz; sericite alteration; 60TCA; tr pyrite
14,96	14,97																				Carbonate-pyrite stringer; 1-2% pyrite; 60TCA
16,62	16,64																				A 1cm-thick carbonate vein; 1-2% pyrite; 40TCA
19,16	19,25																				A 9cm-thick aplite dyke (80TCA). + presence of sericite
20,40	23,25																				Strong sericite-silica alteration zone at the QFP contact (light yellowish-green color); including tr PY; tr CPY
23,25	**39,05**	**15,80**																			**QFP**
																					Locally 1% disseminated pyrite; yellowish-green beige color. Including local pyrite stringers.
23,25	23,70																				Series of pyrite stringers (at a 2 to 8cm interval); 60TCA
23,72	23,88																				Rusty zone (weathering?); partially broken core
24,01	24,02																				A 0.5cm-thick massive pyrite veinlet; 50TCA
24,23	24,32																				Two quartz-pyrite veinlets; 30TCA
25,21	25,22																				A 0.5cm-thick quartz-pyrite vein; 50TCA; 3-4% pyrite
26,08	26,11																				A 2cm-thick quartz-chlorite vein; 25TCA; tr-1% pyrite
28,44	28,55																				Two carbonate-pyrite veinlet; 50TCA; 2-3% pyrite
31,02	31,03																				Carbonate-pyrite veinlet; 50TCA; 2% pyrite
32,07	32,30																				Two carbonate-pyrite veinlet; 50TCA; 2-3% pyrite
39,05	**254,00**	**214,95**																			**Granite**
																					Almost pervasively altered into silica-carbonate-(sericite); dark grey color
39,05	43,00																				Sericite-silica-carbonate alteration zone (greenish-grey color); Schistosity well-developed; 55TCA
43,00	48,00																				Carbonate-silica alteration zone (light to medium grey color); contacts are gradational
46,45	46,80																				Tr-1% pyrite as local chlorite-pyrite stringer
52,20	53,10																				Carbonate-(silica) alteration zone (light grey color); including locally 1% pyrite
55,00	60,95																				Pervasive silica-sericite-carbonate alteration zone; including local mineralized veins and veinlets (contacts are gradational)
55,29	55,30																				Pyrite stringer; 55TCA
56,24	56,25																				A 1cm-thick quartz-(pyrite) vein; 40TCA; 1-2% pyrite along edges
56,62	56,64																				A 2cm-thick quartz-pyrite vein; 40TCA; 5% pyrite
57,08	57,09																				A 1cm-thick carbonate-pyrite veinlet; 25TCA; 2% pyrite
59,10	59,85																				QFP dyke; pinkish color due to pervasive hematization; sericite alteration and quartz veinlets also associated; tr pyrite
60,38	60,80																				Down-dip pyrite stringer; 1-2% pyrite; tr CPY
62,45	73,00																				Carbonate alteration zone (light grey color) including local fine pyrite stringers. Contacts are gradational
63,88	63,90																				A 1cm-thick carbonate-pyrite vein; 25TCA; 2-3% pyrite
64,03	64,03																				Pyrite stringer; 60TCA; 1-2% pyrite
68,33	68,33																				Pyrite stringer; 50TCA; 1-2% pyrite
68,71	68,72																				A 0.5cm-thick pyrite-carbonate veinlet; 35TCA. 1-2% pyrite; tr CPY
69,54	69,55																				A 0.5cm-thick pyrite-quartz veinlet; 60TCA. 1-2% pyrite
70,03	70,04																				A 0.5cm-thick pyrite-carbonate veinlet; 50TCA. 1-2% pyrite

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PROJECT:	Carscallen	NORTHING:	5357855 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-46-2010	EASTING:	451700 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	254m
START DATE:		Line 7+50E; Station 2+10N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
70,77	70,78																				A 0.5cm-thick pyrite-quartz veinlet; 55TCA. 1-2% pyrite
70,94	70,95																				A 1cm-thick quartz-pyrite vein; 55TCA; 3-4% pyrite; tr CPY
78,05	78,57																				Sericite-silica alteration zone including 1-2% pyrite as stringers (45TCA) and disseminated grains
78,38	78,42																				A 4cm-thick QFP vein; 30TCA
84,80	94,65																				Carbonate-(silica) alteration zone (light to medium grey color); contacts are gradational
86,31	86,40																				Ankerite/sericite alteration zone (beige-brown color) associated with a pyrite-carbonate veinlets (1-2% pyrite); 40TCA
94,65	102,80																				Strong and pervasive silica-sericite alteration zone (light greenish color); including major mineralized zones. Contacts are gradational
98,79	98,80																				A 1cm-thick quartz vein; 70TCA; tr pyrite
98,88	98,94																				Quartz-pyrite vein; 5% pyrite; 60TCA
99,13	99,20																				Quartz-pyrite vein; 5-10% pyrite; 70TCA
99,31	99,33																				3-4% pyrite on 2cm + quartz veinlets
99,49	99,51																				A 2cm-thick quartz vein; 70TCA
99,62	99,72																				Quartz-pyrite vein; 5-10% pyrite; 70TCA
101,52	101,52																				Pyrite stringer; 35TCA
102,80	106,70																				Silica-(hematite) alteration zone (medium grey to pinkish grey color); contacts are gradational
105,22	105,26																				Quartz-pyrite veinlets on 3cm; 55TCA; 2-3% pyrite
110,92	110,92																				Pyrite-carbonate stringer; 25TCA
111,17	111,44																				Series of pyrite stringers (25 and 50TCA) + silica-sericite alteration zone associated; 2-3% pyrite
113,30	113,85																				Silica-carbonate alteration zone including 1-2% pyrite as disseminated grains and local stringers
114,74	114,75																				A 0.5cm-thick pyrite-carbonate vein; 50TCA; 1-2% pyrite
117,39	117,40																				A 0.5cm-thick pyrite-carbonate vein; 35TCA; 1-2% pyrite
117,45	117,46																				A 0.5cm-thick pyrite-quartz vein; 35TCA; 1-2% pyrite
126,45	126,48																				1% pyrite as fine stringers; 50TCA
126,80	127,00																				silica alteration zone; tr pyrite
127,75	127,86																				1% pyrite as fine stringers + silica alteration associated; 55TCA
138,70	142,53																				silica-carbonate-(sericite) alteration zone (dark grey color); including local fine calcite tension fractures. Contacts are gradational
139,62	140,00																				Series of quartz veins (<1cm-thick) with various orientations; tr-1% pyrite associated
145,85	153,87																				Pervasive silica-carbonate-(sericite) alteration zone (dark grey color). Locally tr pyrite
149,38	149,40																				A 2cm-thick pink calcite vein; 45TCA. Tr pyrite
164,30	169,65																				Strong silica-carbonate-(sericite) alteration zone
168,60	168,62																				A 2cm-thick carbonate-pyrite vein; 45TCA; 2-3% pyrite
170,76	170,87																				Goethite-calcite alteration
174,45	178,95																				Zone with micro-fractures/chlorite-calcite stringers at a 10 to 50cm interval (45 - 60TCA) with mm to m-wide silica alteration zone. Tr pyrite
175,35	175,54																				Sericite alteration zone; tr pyrite
176,08	176,70																				Carbonate/goethite ± sericite alteration zone. Pinkish color.
178,95	186,42																				Strong silica-carbonate-(sericite) alteration zone (dark grey color). Contacts are gradational. Locally tr pyrite
179,02	179,03																				a 1cm-thick carbonate-pyrite-(chlorite) veinlet; 50TCA. 1-2% pyrite
179,12	179,13																				a 1cm-thick quartz-pyrite vein; 55TCA; 2-3% pyrite

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HOLE NO:	CAR-46-2010	EASTING:	451700 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	254m
START DATE:		Line 7+50E; Station 2+10N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation					
										Alteration Intensit					Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
179,68	179,69																			
189,60	196,18																			
199,25	199,40																			
209,26	210,80																			
213,25	214,70																			
213,87	213,92																			
214,70	217,75																			
214,98	214,99																			
216,02	216,03																			
217,75	223,75																			
223,75	233,20																			
233,20	240,60																			
244,00	245,55																			
248,60	252,35																			
249,50	249,59																			
254,00	EOH																			

COMMENTS
a 1cm-thick quartz-carbonate-pyrite vein; 55TCA; 2-3% pyrite
Strong silica-sericite-carbonate alteration zone (dark grey color) including tr-1% pyrite as disseminated grains and locally as stringers
Sericite-silica alteration zone associated with a 3cm-thick carbonate-chlorite-quartz vein; 70TCA
Strong silica-carbonate alteration zone; dark grey color
Strong silica-carbonate alteration zone; dark grey color
Two chlorite-quartz veinlets (1cm-thick each) associated with ankerite/sericite alteration along edges; 75TCA
Pervasive ankerite/sericite-hematite-(silica) alteration zone (beige-pink color). Contacts are gradational
A 1cm-thick quartz vein; 55TCA
A 1cm-thick quartz vein; 55TCA
Moderate to strong silica-carbonate-(sericite) alteration zone (medium to dark grey color)
Strong and pervasive ankerite/sericite-silica-hematite alteration zone (beige-pinkish red color)
Partial silica-carbonate-sericite alteration zone (medium to dark grey color)
Silica-carbonate alteration zone (+ carbonate tension fractures; medium to dark grey color)
Silica-carbonate alteration zone (+ carbonate tension fractures; medium to dark grey color)
Sheared zone + quartz veins (sericite-rich); 60TCA

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357855 N, NAD83	**AZIMUTH:**	310.00
HOLE NO:	CAR-46-2010	**EASTING:**	451700 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	254m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results
					SAMPLE_AU_G/TFAU_G/TFAU_G/TGFAU_G/TNAU_G/TFINAG_PPM AL_PPM AS_PPM BA_PPM BI_PPM CA_PPM CD_PPM CO_PPM CR_PPM CU_PPM FE_PCT K_PCT LA_PPM MG_PCT MN_PPM MO_PPM NA_PCT NI_PPM P_PPM PB_PPM SB_PPM SN_PPM SR_PPM TI_PCT U_PPM V_PPM W_PPM Y_PPM ZN_PPM
I767338	9.00	10.00	1.00	tr-1% pyrite	I767338 -0.01 0 0 0 0 -0.2 1.29 4 -10 40 -0.5 -2 4.78 -0.5 10 13 9 2.6 10 -1 0.17 20 0.65 560 -1 0.03 13 630 4 0.08 -2 2 76 -20
I767339	10.00	11.00	1.00		I767339 -0.01 0 0 0 0 -0.2 1.45 -2 -10 30 -0.5 -2 2.56 -0.5 10 14 1 2.93 10 -1 0.12 20 0.85 374 -1 0.05 15 680 -2 0.02 -2 3 64 -20
I767340	11.00	11.75	0.75		I767340 -0.01 0 0 0 0 -0.2 1.26 3 -10 40 -0.5 -2 2.31 -0.5 8 13 3 2.63 -10 -1 0.16 20 0.66 314 -1 0.04 15 640 4 0.11 -2 2 67 -20
I767341	11.75	12.25	0.50	Sheared zone; sericite	I767341 0.01 0 0 0 0.01 -0.2 0.86 6 -10 40 -0.5 -2 2.4 -0.5 5 6 1 1.66 -10 1 0.17 10 0.42 297 -1 0.03 8 430 3 0.16 3 1 92 -20
I767342	12.25	13.00	0.75	Shoulder	I767342 -0.01 0 0 0 0 -0.2 1.35 -2 -10 40 -0.5 -2 2.17 -0.5 8 13 2 2.8 10 -1 0.14 20 0.74 356 -1 0.04 12 650 3 0.08 -2 2 81 -20
I767343	13.00	14.00	1.00		I767343 -0.01 0 0 0 0 -0.2 1.32 3 -10 130 -0.5 -2 2.52 -0.5 9 12 9 2.67 -10 -1 0.18 30 0.67 363 1 0.03 14 680 3 0.09 -2 2 82 -20
I767344	14.00	15.00	1.00		I767344 0.02 0 0 0 0.02 -0.2 1.32 3 -10 50 -0.5 -2 2.62 -0.5 9 13 3 2.77 -10 -1 0.17 30 0.7 399 -1 0.04 14 670 2 0.14 -2 2 92 -20
I767345	15.00	16.00	1.00		I767345 -0.01 0 0 0 0 -0.2 1.41 -2 -10 40 -0.5 -2 2.9 -0.5 10 13 11 2.97 -10 -1 0.14 30 0.81 495 -1 0.05 14 760 5 0.04 -2 3 115 -20
I767346	16.00	17.00	1.00		I767346 0.02 0 0 0 0.02 -0.2 1.19 -2 -10 40 -0.5 -2 2.62 -0.5 9 13 7 2.71 -10 -1 0.16 30 0.71 438 -1 0.04 14 630 -2 0.1 -2 2 97 -20
I767347	17.00	18.00	1.00		I767347 -0.01 0 0 0 0 -0.2 1.29 3 -10 50 -0.5 -2 2.51 -0.5 9 14 3 2.74 -10 -1 0.18 30 0.72 395 -1 0.04 15 680 2 0.04 -2 2 75 -20
I767348	18.00	19.00	1.00		I767348 -0.01 0 0 0 0 -0.2 1.24 -2 -10 40 -0.5 -2 2.46 -0.5 9 14 2 2.78 10 -1 0.14 30 0.75 433 -1 0.05 15 650 2 0.01 -2 2 96 -20
I767349	19.00	19.00	0.00	Blank	I767349 -0.01 0 0 0 0 -0.2 1.16 2 -10 120 -0.5 -2 0.8 -0.5 9 18 16 2.55 -10 -1 0.38 30 0.67 287 -1 0.08 14 730 2 0.02 -2 2 54 -20
I767350	19.00	19.00	0.00	Standard-H	
I767351	19.00	19.50	0.50	Local aplite dyke	
I767352	19.50	20.40	0.90	Shoulder	I767352 -0.01 0 0 0 0 -0.2 0.8 -2 -10 40 -0.5 -2 2.31 -0.5 8 9 4 2.55 -10 -1 0.15 30 0.8 479 -1 0.05 13 630 -2 0.03 -2 1 71 -20
I767353	20.40	21.50	1.10	Sericite-silica alteration	I767353 -0.01 0 0 0 0 -0.2 0.73 -2 -10 40 -0.5 -2 2.43 -0.5 9 10 7 2.62 -10 -1 0.16 30 0.85 504 -1 0.05 12 630 2 0.05 -2 2 75 -20
I767354	21.50	22.25	0.75	Sericite-silica alteration	I767354 -0.01 0 0 0 0 -0.2 0.72 3 -10 40 -0.5 -2 2.34 -0.5 9 7 3 2.58 -10 -1 0.17 20 0.85 479 -1 0.04 13 620 2 0.11 -2 1 75 -20
I767355	22.25	23.25	1.00	Sericite-silica alteration	I767355 0.02 0 0 0 0.02 -0.2 0.76 12 -10 40 -0.5 -2 2.66 -0.5 9 8 10 2.79 -10 -1 0.17 20 0.85 494 -1 0.04 13 650 3 0.19 -2 1 79 -20
I767356	23.25	24.05	0.80	QFP + pyrite stringers	I767356 1.04 0 0 0 1.04 1 0.43 57 -10 40 -0.5 4 1.79 -0.5 9 2 56 2.19 -10 1 0.2 10 0.34 301 -1 0.04 5 360 8 1.15 -2 -1 39 -20
I767357	24.05	24.60	0.55	QFP + quartz-pyrite veinlets	I767357 0.68 0 0 0 0.68 0.7 0.5 103 -10 40 -0.5 4 1.85 -0.5 5 7 48 1.72 -10 -1 0.22 10 0.42 301 -1 0.03 6 360 12 0.86 -2 -1 27 -20
I767358	24.60	25.35	0.75	QFP + local quartz-pyrite veinlet	I767358 0.63 0 0 0 0.63 0.4 0.39 92 -10 40 -0.5 -2 2.15 -0.5 7 3 17 1.97 -10 -1 0.19 10 0.5 340 -1 0.05 5 370 3 0.62 -2 1 56 -20
I767359	25.35	26.00	0.65	QFP	I767359 0.09 0 0 0 0.09 0.2 0.73 87 -10 40 -0.5 -2 2.23 -0.5 4 3 12 1.67 -10 -1 0.18 10 0.29 217 -1 0.05 4 370 5 0.36 -2 -1 31 -20
I767360	26.00	26.50	0.50	QFP + quartz-(pyrite) veins	I767360 0.19 0 0 0 0.19 0.3 0.75 39 -10 40 -0.5 -2 2.15 -0.5 5 3 19 1.87 -10 -1 0.19 10 0.31 202 -1 0.04 5 510 7 0.61 -2 -1 50 -20
I767361	26.50	27.50	1.00	QFP	I767361 0.01 0 0 0 0.01 -0.2 0.38 19 -10 40 -0.5 -2 1.93 -0.5 5 3 2 1.73 -10 -1 0.18 10 0.45 251 -1 0.06 5 380 2 0.25 -2 1 54 -20
I767362	27.50	28.30	0.80	QFP	I767362 0.01 0 0 0 0.01 -0.2 0.46 16 -10 40 -0.5 -2 1.89 -0.5 6 3 5 1.79 -10 -1 0.18 10 0.51 274 -1 0.06 5 380 3 0.27 -2 1 46 -20
I767363	28.30	28.80	0.50	QFP + pyrite stringers	I767363 0.76 0 0 0 0.76 0.3 0.32 37 -10 40 -0.5 -2 1.96 -0.5 5 3 43 2.03 -10 -1 0.18 10 0.43 266 -1 0.05 4 360 5 0.71 -2 -1 61 -20
I767364	28.80	30.00	1.20	QFP	I767364 0.01 0 0 0 0.01 -0.2 0.38 8 -10 40 -0.5 -2 1.99 -0.5 5 4 3 1.83 -10 -1 0.17 10 0.45 243 -1 0.06 5 390 3 0.2 -2 1 61 -20
I767365	30.00	30.90	0.90	QFP	I767365 0.01 0 0 0 0.01 -0.2 0.36 10 -10 40 -0.5 -2 1.93 -0.5 5 4 2 1.78 -10 -1 0.16 10 0.42 218 -1 0.05 5 360 2 0.21 -2 1 55 -20
I767366	30.90	32.00	1.10	QFP	I767366 0.05 0 0 0 0.05 0.2 0.39 120 -10 40 -0.5 -2 1.93 -0.5 4 3 8 1.69 -10 -1 0.19 10 0.41 229 -1 0.05 5 360 19 0.31 -2 1 53 -20
I767367	32.00	32.75	0.75	QFP; local pyrite stringers	I767367 0.12 0 0 0 0.12 -0.2 0.4 254 -10 40 -0.5 -2 2.15 -0.5 3 3 14 1.75 -10 -1 0.22 10 0.41 284 -1 0.05 4 380 4 0.4 -2 1 56 -20
I767368	32.75	34.00	1.25	QFP	I767368 0.02 0 0 0 0.02 -0.2 0.39 12 -10 40 -0.5 -2 2.03 -0.5 5 4 9 1.77 -10 -1 0.2 10 0.45 279 -1 0.06 5 370 3 0.32 -2 1 52 -20
I767369	34.00	35.00	1.00	QFP	I767369 0.01 0 0 0 0.01 -0.2 0.4 22 -10 50 -0.5 -2 2.08 -0.5 6 3 14 1.73 -10 -1 0.21 10 0.42 257 -1 0.05 5 380 2 0.39 -2 1 58 -20
I767370	35.00	36.00	1.00	QFP	I767370 0.01 0 0 0 0.01 0.2 0.38 32 -10 50 -0.5 -2 2.06 -0.5 6 3 17 1.65 -10 -1 0.2 10 0.42 226 -1 0.05 5 380 2 0.36 -2 -1 57 -20
I767371	36.00	37.00	1.00	QFP	I767371 0.01 0 0 0 0.01 -0.2 0.4 48 -10 50 -0.5 -2 1.95 -0.5 5 3 12 1.73 -10 -1 0.2 10 0.44 229 -1 0.06 5 370 2 0.33 -2 1 55 -20
I767372	37.00	38.00	1.00	QFP	I767372 0.04 0 0 0 0.04 0.2 0.41 114 -10 50 -0.5 -2 1.97 1.1 5 3 9 1.6 -10 -1 0.24 10 0.43 285 -1 0.05 5 360 -2 0.48 -2 -1 54 -20
I767373	38.00	39.05	1.05	QFP	I767373 0.03 0 0 0 0.03 0.2 0.4 204 -10 50 -0.5 -2 1.81 -0.5 5 3 13 1.42 -10 -1 0.21 10 0.5 282 -1 0.05 5 350 2 0.23 -2 -1 49 -20
I767374	39.05	39.05	0.00	Blank	I767374 0.01 0 0 0 0.01 -0.2 1.38 2 -10 170 -0.5 -2 0.82 -0.5 9 16 13 2.45 10 -1 0.67 30 0.79 304 -1 0.08 14 730 3 0.02 -2 2 60 -20
I767375	39.05	39.05	0.00	Standard-L	
I767376	39.05	39.55	0.50	tr-1% pyrite	
I767377	39.55	40.25	0.70	Sericite-silica alteration zone	I767377 -0.01 0 0 0 0 -0.2 1.27 5 -10 40 -0.5 -2 2.47 -0.5 9 13 9 2.72 -10 -1 0.14 30 0.79 411 1 0.05 14 640 -2 0.02 -2 2 77 -20
I767378	40.25	41.00	0.75	Sericite-silica alteration zone	I767378 0.01 0 0 0 0.01 -0.2 1.41 4 -10 40 -0.5 -2 2.4 -0.5 9 13 8 2.68 -10 -1 0.16 30 0.87 354 -1 0.05 14 650 -2 0.04 -2 2 55 -20
I767379	41.00	42.00	1.00	Sericite-silica alteration zone	I767379 -0.01 0 0 0 0 -0.2 1.38 4 -10 50 -0.5 -2 2.25 -0.5 9 13 8 2.6 10 -1 0.17 30 1.25 413 -1 0.05 13 640 -2 0.04 -2 2 25 -20
I767380	42.00	43.00	1.00	Shoulder	I767380 -0.01 0 0 0 0 -0.2 1.44 6 -10 50 -0.5 -2 1.88 -0.5 9 13 9 2.73 10 1 0.18 30 1.17 390 -1 0.05 14 670 -2 0.05 -2 2 18 -20
I767381	46.00	46.80	0.80	Locally tr-1% pyrite	I767381 -0.01 0 0 0 0 -0.2 1.35 6 -10 60 -0.5 -2 2.14 -0.5 9 11 5 2.61 -10 -1 0.21 30 0.99 389 1 0.05 14 660 -2 0.1 -2 1 36 -20
I767382	52.20	53.10	0.90	Locally tr-1% pyrite	I767382 0.01 0 0 0 0.01 -0.2 1.18 11 -10 70 -0.5 -2 2.4 -0.5 9 11 13 2.5 -10 -1 0.22 30 0.68 466 -1 0.05 13 670 2 0.14 -2 2 69 -20
I767383	53.10	54.00	0.90		I767383 -0.01 0 0 0 0 0.2 1.32 13 -10 50 -0.5 -2 1.67 -0.5 10 14 14 2.48 10 1 0.15 30 0.78 411 -1 0.06 15 670 2 0.03 -2 3 87 -20
I767384	54.00	55.00	1.00		I767384 0.01 0 0 0 0.01 -0.2 1.31 14 -10 50 -0.5 -2 1.76 -0.5 9 13 19 2.39 10 -1 0.17 30 0.73 406 1 0.06 13 650 2 0.03 -2 3 84 -20
I767385	55.00	56.15	1.15		I767385 0.01 0 0 0 0.01 0.2 1.15 16 -10 60 -0.5 -2 2.32 -0.5 9 12 24 2.23 -10 -1 0.25 30 0.59 432 -1 0.04 15 630 3 0.11 -2 2 66 -20
I767386	56.15	56.85	0.70	2cm-thick quartz-pyrite vein	I767386 0.75 0 0 0 0.75 0.9 1.32 78 -10 60 -0.5 4 1.9 -0.5 10 8 193 2.9 -10 -1 0.31 30 0.66 418 1 0.03 16 1050 4 0.78 -2 1 53 -20
I767387	56.85	58.00	1.15		I767387 0.03 0 0 0 0.03 0.2 1.16 24 -10 50 -0.5 -2 2.39 -0.5 9 12 17 2.41 -10 -1 0.2 30 0.63 435 -1 0.04 13 640 2 0.28 -2 1 82 -20
I767388	58.00	59.10	1.10		I767388 0.01 0 0 0 0.01 -0.2 1.23 13 -10 60 -0.5 -2 2.3 -0.5 9 12 9 2.44 -10 -1 0.22 30 0.65 411 -1 0.05 13 650 -2 0.02 -2 2 88 -20
I767389	59.10	59.85	0.75	QFP dyke + quartz veinlets; hematized	I767389 0.01 0 0 0 0.01 0.2 0.33 6 -10 30 -0.5 -2 0.73 -0.5 2 6 9 0.66 -10 -1 0.16 20 0.06 113 -1 0.07 2 80 4 0.09 -2 -1 30 20
I767390	59.85	60.95	1.10		I767390 0.02 0 0 0 0.02 0.2 1.26 20 -10 50 -0.5 -2 2.78 -0.5 10 11 117 2.5 -10 -1 0.23 30 0.72 453 -1 0.04 13 1000 3 0.27 -2 2 98 -20
I767391	60.95	62.45	1.50		I767391 0.01 0 0 0 0.01 -0.2 1.22 12 -10 50 -0.5 -2 1.96 -0.5 9 14 15 2.31 -10 -1 0.17 30 0.7 416 -1 0.05 13 650 2 0.03 -2 3 85 -20
I767392	62.45	63.65	1.20		I767392 0.01 0 0 0 0.01 -0.2 1.18 13 -10 50 -0.5 -2 2.09 -0.5 9 15 13 2.33 -10 -1 0.16 30 0.67 409 -1 0.05 13 620 2 0.02 -2 2 82 -20
I767393	63.65	64.15	0.50	Local pyrite veinlet	I767393 1.48 0 0 0 1.48 3.9 1.02 58 -10 60 -0.5 21 2.3 -0.5 16 9 108 3.19 -10 -1 0.26 20 0.52 376 -1 0.03 12 610 17 1.66 -2 1 86 -20
I767394	64.15	65.00	0.85		I767394 0.01 0 0 0 0.01 -0.2 1.25 9 -10 50 -0.5 -2 2.38 -0.5 9 13 14 2.36 -10 -1 0.19 30 0.67 414 -1 0.05 13 640 3 0.03 -2 1 104 -20
I767395	65.00	66.00	1.00		I767395 0.01 0 0 0 0.01 -0.2 1.33 6 -10 40 -0.5 -2 2.62 -0.5 9 10 23 2.62 -10 -1 0.17 30 0.83 452 -1 0.04 14 660 -2 0.09 -2 2 95 -20
I767396	66.00	67.00	1.00		I767396 0.01 0 0 0 0.01 0.3 1.21 8 -10 50 -0.5 -2 2.3 -0.5 8 12 12 2.49 -10 -1 0.18 20 0.74 413 -1 0.05 13 620 2 0.07 -2 2 101 -20
I767397	67.00	68.00	1.00		I767397 0.03 0 0 0 0.03 -0.2 1.29 9 -10 50 -0.5 -2 2.41 -0.5 10 13 15 2.66 -10 -1 0.17 30 0.72 448 -1 0.05 14 650 2 0.07 -2 2 110 -20
I767398	68.00	68.50	0.50	Local pyrite veinlet	I767398 0.10 0 0 0 0.1 -0.2 1.23 8 -10 50 -0.5 -2 2.37 -0.5 8 13 19 2.56 -10 -1 0.18 30 0.68 439 -1 0.05 13 630 -2 0.18 -2 2 108 -20
I767399	68.50	68.50	0.00	Blank	I767399 0.02 0 0 0 0.02 -0.2 2.1 -2 -10 30 -0.5 -2 0.46 -0.5 10 23 4 3.43 10 -1 0.05 10 1.78 307 -1 0.09 21 1030 -2 0.01 -2 5 10 -20
I767400	68.50	68.50	0.00	Standard-H	
I767401	68.50	69.35	0.85		
I767402	69.35	69.85	0.50	Local pyrite veinlet	I767402 0.45 0 0 0 0.45 0.5 1.61 11 -10 50 -0.5 -2 2.9 -0.5 10 12 109 3.23 10 -1 0.18 30 0.91 527 -1 0.04 16 1290 2 0.17 -2 2 134 -20
I767403	69.85	70.70	0.85		I767403 0.27 0 0 0 0.27 0.5 1.28 10 -10 50 -0.5 -2 2.58 -0.5 9 9 339 2.59 -10 -1 0.2 20 0.67 462 -1 0.04 12 680 2 0.31 -2 1 117 -20
I767404	70.70	71.20	0.50	1cm-thick quartz-pyrite vein; 3-4% pyrite	I767404 0.56 0 0 0 0.56 1.1 1.22 39 -10 50 -0.5 -2 2.14 -0.5 9 8 250 2.63 -10 -1 0.24 20 0.65 386 -1 0.03 13 670 3 0.68 -2 1 66 -20
I767405	71.20	72.00	0.80	Shoulder	I767405 0.02 0 0 0 0.02 -0.2 1.37 8 -10 50 -0.5 -2 2.67 -0.5 9 13 9 2.6 -10 -1 0.19 20 0.74 456 -1 0.05 14 670 -2 0.04 -2 2 109 -20
I767406	78.05	78.65	0.60	Local pyrite stringers + 4cm-thick QFP dyke	I767406 0.25 0 0 0 0.25 0.3 1.09 18 -10 70 -0.5 -2 2.06 -0.5 10 11 78 2.34 -10 -1 0.27 30 0.6 455 -1 0.03 13 670 2 0.52 -2 2 51 -20
I767407	78.65	79.80	1.15	Shoulder	I767407 -0.01 0 0 0 0 0.2 1.49 4 -10 50 -0.5 -2 1.61 -0.5 11 14 40 2.51 -10 -1 0.15 30 0.88 447 1 0.06 17 920 3 0.04 -2 3 105 -20
I767408	79.80	80.30	0.50	Local pyrite stringers	I767408 0.08 0 0 0 0.08 0.2 1.3 9 -10 60 -0.5 -2 1.59 -0.5 9 14 42 2.31 -10 -1 0.17 30 0.74 454 -1 0.05 14 670 2 0.13 -2 3 84 -20
I767409	85.20	86.10	0.90	Shoulder	I767409 0.01 0 0 0 0.01 0.2 1.51 4 -10 50 -0.5 -2 2.72 -0.5 10 12 27 2.85 10 -1 0.19 30 0.81 501 2 0.05 15 740 3 0.18 -2 2 98 -20
I767410	86.10	86.60	0.50	Local ankerite/sericite alteration zone + pyrite stringers	I767410 0.05 0 0 0 0.05 0.6 1.21 15 -10 50 -0.5 -2 2.42 2.8 9 9 178 2.39 -10 -1 0.21 20 0.59 412 1 0.04 12 580 5 0.4 -2 1 87 -20
I767411	86.60	87.20	0.60	Shoulder	I767411 0.19 0 0 0 0.19 -0.2 1.3 2 -10 50 -0.5 2 2.35 -0.5 9 12 7 2.59 -10 -1 0.18 30 0.73 439 2 0.05 14 670 2 0.04 -2 2 87 -20
I767412	94.00	94.65	0.65	Shoulder	I767412 0.01 0 0 0 0.01 -0.2 1.4 -2 -10 40 -0.5 -2 1.94 -0.5 9 12 7 2.65 10 -1 0.13 30 1.1 353 -1 0.05 14 660 -2 0.03 -2 2 25 -20
I767413	94.65	95.70	1.05	Sericite-silica alteration zone	I767413 0.01 0 0 0 0.01 -0.2 1.42 3 -10 50 -0.5 -2 2.12 -0.5 9 10 23 2.68 -10 -1 0.2 30 0.91 382 -1 0.04 13 690 2 0.13 -2 2 68 -20
I767414	95.70	96.75	1.05	Sericite-silica alteration zone	I767414 0.01 0 0 0 0.01 -0.2 0.67 13 -10 50 -0.5 -2 2.86 -0.5 9 6 15 2.46 -10 -1 0.25 20 0.75 516 -1 0.04 13 670 2 0.07 -2 1 84 -20
I767415	96.75	97.80	1.05	Sericite-silica alteration zone	I767415 0.02 0 0 0 0.02 -0.2 1.14 6 -10 50 -0.5 -2 2.46 -0.5 10 7 19 2.55 -10 -1 0.21 20 0.76 436 -1 0.03 13 700 -2 0.15 -2 1 73 -20
I767416	97.80	98.85	1.05	Sericite-silica alteration zone	I767416 0.01 0 0 0 0.01 -0.2 0.77 11 -10 50 -0.5 -2 2.69 -0.5 10 6 6 2.64 -10 1 0.27 20 0.8 495 1 0.03 13 660 -2 0.17 -2 1 76 -20
I767417	98.85	99.80	0.95	Series of pluri-cm thick quartz-pyrite veins; up to 10% pyrite	I767417 >10.00 0 26.1 0 26.1 11.1 0.65 127 -10 40 -0.5 31 2.33 0.5 19 4 622 5.12 -10 -1 0.26 10 0.79 510 1 0.02 12 580 28 4.45 -2 1 39 -20
I767418	99.80	100.80	1.00	Sericite-silica alteration	I767418 0.04 0 0 0 0.04 0.2 0.63 16 -10 40 -0.5 -2 3.64 -0.5 8 5 53 1.44 -10 -1 0.24 20 0.81 613 1 0.04 9 660 11 0.15 -2 1 37 -20
I767419	100.80	101.80	1.00	Sericite-silica alteration; local pyrite stringer	I767419 0.03 0 0 0 0.03 -0.2 0.86 7 -10 50 -0.5 -2 2.36 -0.5 8 6 77 1.89 -10 -1 0.24 20 1.22 492 -1 0.04 11 670 6 0.2 -2 1 31 -20
I767420	101.80	102.80	1.00		I767420 0.02 0 0 0 0.02 0.2 1.24 5 -10 60 -0.5 -2 1.78 -0.5 9 10 28 2.46 -10 -1 0.21 30 1.32 414 -1 0.05 13 670 -2 0.06 -2 1 19 -20
I767421	102.80	104.00	1.20		I767421 0.03 0 0 0 0.03 -0.2 1.47 -2 -10 50 -0.5 -2 1.92 -0.5 9 15 19 2.73 10 1 0.16 30 1.02 372 -1 0.05 24 650 5 0.03 -2 3 28 -20
I767422	104.00	105.00	1.00		I767422 0.01 0 0 0 0.01 -0.2 1.42 -2 -10 50 -0.5 -2 2.09 -0.5 9 14 13 2.66 10 -1 0.16 20 0.79 396 -1 0.05 15 660 2 0.01 -2 3 69 -20
I767423	105.00	105.50	0.50		I767423 0.24 0 0 0 0.24 0.3 1.37 11 -10 60 -0.5 -2 1.87 -0.5 10 11 50 2.96 -10 -1 0.22 20 0.86 375 2 0.03 13 650 2 0.7 -2 2 42 -20
I767424	105.50	105.50	0.00	Blank	I767424 0.01 0 0 0 0.01 -0.2 2 -2 -10 20 -0.5 -2 0.48 -0.5 9 22 4 3.29 10 1 0.06 10 1.67 297 -1 0.08 18 910 -2 -0.01 -2 5 8 -20
I767425	105.50	105.50	0.00	Standard-L	
I767426	110.40	111.00	0.60		I767426 0.01 0 0 0 0.01 3.1 1.34 4 -10 60 -0.5 13 1.45 -0.5 11 14 34 2.47 -10 -1 0.18 30 0.7 387 -1 0.06 15 650 4 0.36 -2 2 71 -20
I767427	111.00	111.50	0.50		I767427 1.21 0 0 0 1.21 2 1.03 23 -10 80 -0.5 6 1.89 -0.5 15 10 183 2.45 -10 -1 0.27 20 0.49 373 -1 0.02 13 650 3 1.08 -2 1 39 -20
I767428	111.50	113.00	1.50	Shoulder	I767428 0.01 0 0 0 0.01 0.2 1.37 2 -10 50 -0.5 -2 1.96 -0.5 9 14 14 2.44 -10 -1 0.16 30 0.73 444 -1 0.06 14 650 2 0.04 -2 3 89 -20
I767429	113.00	113.85	0.85		I767429 0.09 0 0 0 0.09 0.4 1.21 12 -10 60 -0.5 -2 2.44 -0.5 14 12 39 2.38 -10 -1 0.22 30 0.6 442 -1 0.03 12 640 2 0.47 -2 2 76 -20
I767430	113.85	114.85	1.00		I767430 0.09 0 0 0 0.09 0.3 1.49 10 -10 50 -0.5 -2 2.46 -0.5 10 12 99 3.01 -10 -1 0.18 30 0.8 499 -1 0.04 13 830 2 0.3 -2 3 88 -20
I767431	114.85	116.00	1.15		I767431 0.01 0 0 0 0.01 -0.2 1.4 -2 -10 50 -0.5 -2 2.08 -0.5 9 14 12 2.59 10 1 0.16 30 0.75 423 -1 0.05 15 670 2 -0.01 -2 3 90 -20
I767432	116.00	117.30	1.30		I767432 0.01 0 0 0 0.01 -0.2 1.41 2 -10 50 -0.5 -2 2.33 -0.5 9 13 13 2.56 10 1 0.17 20 0.79 436 -1 0.04 14 650 -2 0.04 -2 2 80 -20
I767433	117.30	117.90	0.60		I767433 0.43 0 0 0 0.43 3.4 1.36 8 -10 50 -0.5 50 2.36 -0.5 12 9 65 2.8 -10 -1 0.22 20 0.78 427 -1 0.03 12 620 18 0.62 -2 1 52 -20
I767434	117.90	119.00	1.10		I767434 0.02 0 0 0 0.02 0.2 1.4 -2 -10 50 -0.5 -2 2.44 -0.5 9 13 10 2.53 -10 1 0.17 30 0.72 414 -1 0.05 14 660 2 0.01 -2 2 102 -20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358129 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-47-2010	EASTING:	451987 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	597.38m
START DATE:		Line 4+75N; Station 10+40E		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensity			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**33,00**	**33,00**	**OB**																	**Casing/Overburden**
33,00	**55,75**	**22,75**																		**Weathered granite**
																				Goethite alteration (weathering). Broken and partially broken core
34,40	34,65																			Aplite dyke; broken core
55,75	**219,00**	**163,25**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
65,90	66,20																			Weak carbonate-silica alteration zone (light grey color); including two quartz-chlorite veinlets (60TCA); contacts are gradational
83,75	87,05																			Silica-carbonate-(sericite) alteration zone (contacts are gradational). Presence of leucoxene
95,10	96,10																			Down-dip calcite-hematite veinlet + silica-carbonate alteration associated
111,70	120,25																			Weak to moderate carbonate-sericite-silica alteration zone (light to medium grey color). Contacts are gradational. Locally tr pyrite and carbonate tension fractures
137,70	141,50																			Strong sericite/chlorite-silica-carbonate alteration zone
139,10	139,75																			Broken core; breccia/shear zone; quartz veinlets associated
140,25	140,30																			Broken core
140,90	140,91																			A 0.5cm-thick quartz veinlet; tr-1% euhedral pyrite associated along the edges; 40TCA
144,95	146,53																			Carbonate alteration zone (light to medium grey color)
150,10	150,60																			Strong sericite/ankerite alteration zone (sharp contact; beige color); associated with two quartz-chlorite veinlets (1cm-thick each; 50TCA)
153,36	154,50																			Carbonate alteration zone (light to medium grey color)
156,50	156,57																			Aplite dyke + local sericite; 60TCA
159,00	159,85																			Hematite-carbonate-silica alteration zone (pinkish color); including a 0.5cm-thick hematite veinlet; 20TCA
163,40	163,80																			Silica-(hematite) alteration zone including a 1cm-thick quartz-chlorite vein; 45TCA
174,20	178,35																			Sericite-carbonate-silica alteration zone (dark grey color)
178,35	178,38																			A 3cm-thick aplite dyke/vein; 50TCA
179,85	182,63																			Carbonate-silica alteration zone (medium-grey color)
180,69	180,70																			A 1cm-thick quartz vein; 55TCA
184,40	188,00																			Hematite-silica alteration zone (pinkish grey color); locally partially broken core
188,00	189,85																			Sericite-silica-(±hematite) alteration zone (dark grey)
188,13	188,19																			A 5cm-thick quartz vein; 50TCA
190,30	197,65																			Partial hematite-carbonate-(silica) alteration zone (pinkish color)
199,75	210,75																			Partial hematite-carbonate-(silica) alteration zone (pinkish color); including down-dip carbonate-chlorite veinlets
216,00	219,00																			Silica-carbonate alteration zone; contacts are gradational
219,00	**346,10**	**127,10**																		**Altered granite**
																				Hematite-calcite alteration zone (light orange-red color). Local voids due to calcite dissolution. Presence of mafic volcanic xenoliths
316,05	317,00																			Mafic volcanic rock dislocated unit/xenolith; including tr pyrite
317,00	321,80																			Chlorite-rich altered granite; schistosity well-developed; 30 to 35TCA
322,50	324,80																			Zone with tr-1% disseminated pyrite; locally tr chalcopyrite (@323.34m)
323,70	323,71																			Pyrite stringer; 60TCA
326,03	326,04																			Pyrite stringer; 80TCA
326,77	326,80																			Semi-massive pyrite vein on 3cm (80TCA) at the contact with mafic volcanic xenolith
326,77	326,95																			Mafic volcanic xenolith
327,15	327,45																			Mafic volcanic xenolith, brecciated. Carbonate filled fracture/cement associated

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358129 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-47-2010	EASTING:	451987 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	597.38m
START DATE:		Line 4+75N; Station 10+40E		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
328,84	329,44																				Series of pyrite cm-thick veins at a 10cm interval; 30TCA. 3-4% pyrite. Locally up to 2cm-thick semi-massive pyrite vein.
330,15	330,65																				Mafic volcanic xenolith including 3-4% pyrite as pluri-mm thick veinlets at a 5-10cm interval (30-40TCA)
337,10	337,40																				Mafic volcanic xenolith; chlorite-rich
337,87	338,00																				Chlorite vein and/or mafic xenolith(?); partially broken core
340,95	343,30																				Mafic volcanic xenolith or interbedded unit. Chlorite-rich
341,15	341,30																				Micro-shear zone/breccia zone
346,00	346,10																				Hematite alteration and/or veinlets at the contact with mafic volcanic rock unit
346,10	**390,80**	**44,70**																			**Mafic volcanic rock**
																					Massive flow and breccia flow (autoclasts); chlorite-rich; not magnetic. Locally tr-1% cubic pyrite
346,10	346,32																				Broken core; contact zone
351,50	351,82																				Granite dyke
363,55	364,95																				Down-dip granite dyke
366,00	368,88																				Zone with Kspar-rich nodules (2-3cm diameter) and/or hematite (5-10% of the rock)
369,00	369,17																				Zone with 5% disseminated pyrite
374,11	374,18																				Series of fine pyrite stringers; 20TCA
374,38	374,40																				Semi-massive pyrite (+carbonate) on 2cm (65TCA)
390,40	390,70																				Pegmatite dyke; 5TCA
390,80	**407,35**	**16,55**																			**QFP/porphyry intrusion**
																					Quartz proportion varies; locally chlorite-rich (especially along contact zones). Tr-1% disseminated pyrite and as few fine stringer
392,25	392,26																				A 1cm-thick quartz vein; 55TCA
392,78	392,79																				A 1cm-thick quartz vein; 60TCA
392,86	392,87																				A 1cm-thick quartz vein; 60TCA
393,45	393,45																				Micro-fracture with 2-3% pyrite along edges; 25TCA
402,51	402,62																				Down-dip pyrite stringer
402,66	402,86																				Fine pyrite stringer; 10TCA
403,65	403,69																				A 3cm-thick quartz-green carbonate vein; 25TCA
407,35	**526,60**	**119,25**																			**Mafic volcanic rock**
																					Massive flow; chlorite-rich, not magnetic
419,31	419,37																				Pegmatite dyke; 65TCA
419,44	419,54																				Tr-1% pyrite along micro-fractures; 30TCA
419,59	419,66																				Pegmatite dyke; tr pyrite associated; 35TCA
428,05	428,91																				Down-dip quartz-sericite/ankerite vein
429,08	429,45																				Zone of partially broken core and quartz veining (breccia/shear?)
429,45	429,75																				Dislocated quartz-Kspar vein (down-dip?)
429,92	430,40																				A 1cm-thick down-dip quartz vein
431,60	431,70																				Silicified zone and/or quartz vein (?); 1% pyrite
432,16	432,18																				A 2cm-thick quartz-carbonate vein; 70TCA
432,23	432,24																				A 1cm-thick quartz-carbonate vein; 60TCA

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GeoVector Management Inc. GEOLOGICAL LOG

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PROJECT:	Carscallen	NORTHING:	5358129 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-47-2010	EASTING:	451987 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	597.38m
START DATE:		Line 4+75N; Station 10+40E		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensity			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
435,81	435,87																		
437,10	437,50																		
438,00	438,27																		
438,27	438,39																		
440,11	440,22																		
440,28	440,37																		
440,39	440,43																		
440,48	440,49																		
441,65	441,80																		
442,80	443,25																		
447,77	448,13																		
449,02	449,21																		
456,63	456,85																		
462,17	462,22																		
463,15	463,43																		
464,75	464,84																		
466,35	466,48																		
467,00	467,46																		
469,80	470,17																		
472,91	473,00																		
475,05	477,45																		
477,45	478,00																		
478,00	478,45																		
478,45	480,65																		
484,00	484,07																		
486,36	486,68																		
492,90	493,56																		
496,55	497,50																		
498,12	498,60																		
499,38	499,56																		
500,00	513,00																		
502,65	503,00																		
510,75	511,35																		
511,35	512,00																		
515,30	515,39																		
515,66	515,72																		
519,32	519,65																		
520,21	520,23																		

COMMENTS
Silica-ankerite alteration zone
A weakly developed shear zone; tr-1% pyrite along shear plans (35TCA)
Carbonate-(pyrite) pervasive alteration zone and/or dislocated vein(?). 1-2% disseminated pyrite
Series of quartz vein (cm-thick; 20TCA) with 1% pyrite associated
Silica/ankerite vein and/or alteration zone including 1% pyrite as veinlets
Quartz vein (white color); 45TCA
Aplite dyke/vein; 70TCA
A 1cm-thick pyrite-carbonate vein (60TCA); 2-3% pyrite
Quartz-garnet-epidote down-dip vein(?)
Syenite dyke; fine sericite-rich micro-fractures also occur (tr pyrite)
Quartz-sericite/epidote vein/pegmatite
A 3cm-thick, down-dip Kspar-quartz vein
Chert-magnetite-pyrite xenolith (iron formation?) and/or small bed
A 4cm-thick Kspar-rich vein/dyke; 35TCA
Syenite dyke
A 9cm-thick quartz-pyrite vein; 70TCA. 5-10% pyrite
Quartz-Kspar pegmatite dyke; 70TCA
Syenite dyke + sericite along micro-fractures
Pegmatite dyke; epidotized
Silicified zone and/or quartz vein
Bleached zone; locally fuschite is associated; schistosity (25TCA)
Bleached zone including ~1% fuschite and dm-thick quartz veins
Kspar-quartz-sericite veining system
Bleached zone and/or sericite alteration
4cm-thick quartz vein; 25TCA
Granite dyke
Down-dip quartz-sericite vein/alteration zone; tr pyrite; tr chalcopyrite
Sericite-silica alteration zone
Granite dyke + quartz vein
Granite dyke
Granite dyke
Zone with 1-2% disseminated pyrite and tr-1% chalcopyrite associated with carbonate veinlets (25TCA) + sericite alteration
Down-dip quartz-Kspar vein + bleaching along edges
Bleached zone
Small porphyry intrusion dyke(?)
1% chalcopyrite; tr-1% pyrite associated with a dislocated quartz veinlet
Quartz vein including small proportion of Kspar and sericite
Quartz vein; 15TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358129 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-47-2010	EASTING:	451987 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	597.38m
START DATE:		Line 4+75N; Station 10+40E		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensity CODE				Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
521,27	521,34		Pegmatite dyke (quartz-Kspar-sericite)
522,67	522,68		Carbonate vein including 1% pyrite; tr-1% chalcopyrite
522,76	522,92		Quartz vein with 1-2% pyrite and 1% chalcopyrite along edges; 60TCA
522,96	523,15		Series of quartz and carbonate veinlets including 1-2% pyrite; 1% chalcopyrite; 50TCA
526,60	**529,82**	**3,22**	**Syenite intrusion**
			Kspar-rich; fine-grained; pervasive sericite alteration associated
529,82	**572,85**	**43,03**	**Mafic volcanic rock**
			Idem as previous mafic volcanic rock unit
531,12	531,45		Granite dyke
532,32	532,48		Granite dyke
533,15	533,27		Carbonate breccia-vein
539,78	540,24		Pegmatite-granite dyke; 10TCA
541,96	544,04		Granite dyke
554,15	554,60		Granite dyke + epidote alteration along edges
555,75	555,86		Granite dyke
560,11	560,35		Pegmatite dyke
568,70	569,65		Magnetic mafic volcanic rock
572,85	**579,80**	**6,95**	**QFP dyke**
			Yellowish-beige color (sericite alteration?). Locally tr-1% disseminated pyrite. Very fine pyrite stringers and cm-thick quartz veins also occur
579,80	**585,60**	**5,80**	**Mafic volcanic rock**
			Idem as previous mafic volcanic rock unit
583,47	583,75		Quartz vein including tr pyrite and tr molybdenite
585,60	**589,32**	**3,72**	**QFP dyke**
			Greenish-grey color; plagioclase porphyry. Locally tr disseminated pyrite
589,32	**597,38**	**8,06**	**Mafic volcanic rock**
			Idem as previous mafic volcanic rock unit
590,80	592,50		QFP dyke; medium to dark grey color; plagioclase porphyry
596,00	597,00		Down-dip magnetite-rich horizon (iron formation xenolith or thin bed); including 1-2% cubic pyrite
597,38	**EOH**		

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358129 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-47-2010	**EASTING:**	451987 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	597.38m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_NO	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I766728	137.00	137.70	0.70	Shoulder	I766728	0.01	0	0	0	0.01	-0.2	1.55	2	-10	40	-0.5	-2	2.3	-0.5	10	21	20	3.17	10	-1	0.13	30	0.93	417	-1	0.03	17	680	-2	-0.01	-2	3	65	-20
I766729	137.70	139.10	1.40		I766729	0.01	0	0	0	0.01	-0.2	1.28	3	-10	40	-0.5	-2	2.12	-0.5	9	11	10	2.68	-10	-1	0.15	20	0.68	371	-1	0.01	13	710	-2	-0.01	-2	1	50	-20
I766730	139.10	139.75	0.65	Breccia zone	I766730	0.01	0	0	0	0.01	-0.2	1.02	5	-10	40	-0.5	-2	1.8	-0.5	10	6	4	2.14	-10	-1	0.17	10	0.5	342	-1	-0.01	11	670	-2	-0.01	-2	1	19	-20
I766731	139.75	140.80	1.05		I766731	0.01	0	0	0	0.01	-0.2	1.25	6	-10	40	-0.5	-2	1.49	-0.5	9	10	2	2.66	-10	-1	0.17	20	0.67	312	-1	0.01	12	690	-2	-0.01	-2	1	32	-20
I766732	140.80	141.50	0.70		I766732	0.01	0	0	0	0.01	-0.2	1.28	8	-10	40	-0.5	-2	2.61	-0.5	10	11	9	2.69	-10	-1	0.17	30	0.69	388	1	0.02	13	660	-2	0.13	-2	2	84	-20
I766733	150.10	150.60	0.50	Ankerite/sericite alteration zone	I766733	-0.01	0	0	0	0	0.3	1.12	4	-10	40	-0.5	-2	2.27	-0.5	9	14	6	2.47	-10	-1	0.13	30	0.71	430	-1	0.01	13	660	-2	-0.01	-2	3	65	-20
I766734	315.00	316.05	1.05	Shoulder	I766734	-0.01	0	0	0	0	-0.2	3.83	-2	-10	-10	-0.5	-2	1.2	-0.5	18	19	22	5.95	20	1	0.02	10	3.97	626	-1	0.05	27	900	2	-0.01	-2	9	9	-20
I766735	316.05	317.00	0.95	Local mafic volcanic rock	I766735	0.03	0	0	0	0.03	0.2	5.86	3	-10	-10	-0.5	-2	2.46	-0.5	26	23	10	8.27	30	-1	0.01	10	6.31	879	8	0.05	36	1040	-2	0.03	-2	14	17	-20
I766736	317.00	318.00	1.00	Local mafic volcanic rock	I766736	0.01	0	0	0	0.01	-0.2	4.66	3	-10	-10	-0.5	-2	0.93	-0.5	20	23	10	7.14	30	-1	0.01	-10	4.92	674	-1	0.06	33	1120	-2	0.06	-2	13	7	-20
I766737	318.00	319.00	1.00		I766737	-0.01	0	0	0	0	-0.2	3.21	2	-10	-10	-0.5	-2	0.85	-0.5	13	22	8	5.23	20	-1	-0.01	-10	2.94	492	-1	0.06	27	1020	-2	0.03	-2	9	7	-20
I766738	319.00	320.00	1.00		I766738	0.01	0	0	0	0.01	-0.2	3.38	-2	-10	-10	-0.5	-2	0.88	-0.5	15	26	3	5.55	20	-1	0.01	-10	2.92	520	-1	0.08	30	1120	-2	0.04	-2	9	7	-20
I766739	320.00	321.00	1.00		I766739	-0.01	0	0	0	0	-0.2	2.78	-2	-10	-10	-0.5	-2	1.07	-0.5	12	25	3	4.64	10	-1	0.01	-10	2.32	445	-1	0.06	26	1080	-2	0.01	-2	8	10	-20
I766740	321.00	321.80	0.80		I766740	0.01	0	0	0	0.01	-0.2	2.69	-2	-10	-10	-0.5	-2	0.85	-0.5	12	22	1	4.38	10	-1	0.01	-10	2.27	421	-1	0.08	24	1040	-2	0.01	-2	8	7	-20
I766741	321.80	322.50	0.70		I766741	-0.01	0	0	0	0	-0.2	2.43	-2	-10	-10	-0.5	-2	1.56	-0.5	8	21	1	3.92	10	-1	0.01	10	1.88	422	-1	0.07	22	950	-2	-0.01	-2	8	12	-20
I766742	322.50	323.25	0.75	Tr disseminated pyrite	I766742	0.03	0	0	0	0.03	-0.2	2.67	-2	-10	-10	-0.5	-2	2.07	-0.5	43	21	-1	4.59	10	-1	0.01	-10	2.17	501	-1	0.09	24	1000	-2	0.34	-2	8	17	-20
I766743	323.25	323.85	0.60	tr chalcopyrite; tr pyrite	I766743	0.11	0	0	0	0.11	-0.2	3.21	9	-10	-10	-0.5	-2	2.27	-0.5	38	24	76	5.41	20	-1	0.01	-10	2.69	600	-1	0.05	26	1050	-2	0.37	-2	8	15	-20
I766744	323.85	324.80	0.95	tr-1% disseminated pyrite	I766744	0.05	0	0	0	0.05	-0.2	3.16	3	-10	-10	-0.5	-2	1.15	-0.5	22	23	-1	5.3	20	-1	0.01	10	2.65	530	-1	0.08	28	1040	-2	0.2	-2	9	9	-20
I766745	324.80	325.85	1.05		I766745	0.01	0	0	0	0.01	-0.2	2.36	-2	-10	-10	-0.5	-2	1.24	-0.5	11	25	-1	3.91	10	1	0.01	-10	1.73	405	1	0.07	21	1060	-2	0.06	-2	6	10	-20
I766746	325.85	326.60	0.75	Local pyrite as stringers/veinlets	I766746	1.67	0	0	0	1.67	-0.2	2.91	9	-10	-10	-0.5	2	1.1	-0.5	25	20	1	5.02	10	-1	0.02	10	2.35	496	5	0.09	21	970	-2	0.57	-2	7	10	-20
I766747	326.60	327.60	1.00	Semi-massive pyrite on 3cm (mafic volcanic-hosted)	I766747	2.14	0	0	0	2.14	0.5	5.32	79	-10	10	-0.5	3	2.18	-0.5	30	22	2	8.38	20	-1	0.06	10	5.66	865	-1	0.03	32	1130	5	1.33	-2	10	11	-20
I766748	327.60	328.80	1.20		I766748	0.01	0	0	0	0.01	-0.2	3.01	3	-10	30	-0.5	-2	4.07	-0.5	12	20	7	4.36	10	-1	0.17	20	2.2	681	-1	0.05	20	1140	-2	0.11	-2	4	47	-20
I766749	328.80	328.80	0.00	Blank	I766749	0.02	0	0	0	0.02	0.2	1.22	3	-10	50	-0.5	-2	1.22	-0.5	12	14	84	2.3	-10	1	0.11	30	0.78	357	1	0.05	14	680	3	0.1	-2	3	46	-20
I766750	328.80	328.80	0.00	Standard-H																																			
I766751	328.80	329.50	0.70	Locally 3-4% pyrite as veins/veinlets																																			
I766752	329.50	330.15	0.65		I766752	0.19	0	0	0	0.19	-0.2	2.88	19	-10	40	-0.5	9	5.42	-0.5	15	19	56	4.39	10	-1	0.23	20	1.97	795	-1	0.02	24	1120	2	0.49	3	2	81	-20
I766753	330.15	330.65	0.50	3-4% as pyrite veinlets	I766753	1.91	0	0	0	1.91	0.4	2.76	194	-10	30	-0.5	26	3.67	-0.5	25	14	944	6.59	-10	1	0.23	20	1.97	682	2	0.01	28	1320	8	3.6	-2	2	57	-20
I766754	330.65	331.65	1.00	Shoulder	I766754	6.59	0	0	0	6.59	1.1	2.61	48	-10	40	-0.5	54	6.39	-0.5	17	20	92	4.59	10	1	0.16	10	1.78	817	1	0.03	23	1080	12	0.98	-2	4	75	-20
I766755	337.10	338.00	0.90		I766755	0.12	0	0	0	0.12	0.3	4.84	-2	-10	10	-0.5	-2	2.88	-0.5	31	22	1	9.5	10	-1	0.03	20	3.4	1345	-1	0.04	40	970	2	-0.01	2	11	34	-20
I766756	338.00	339.00	1.00		I766756	0.02	0	0	0	0.02	-0.2	2.27	3	-10	20	-0.5	-2	5.73	-0.5	15	28	2	4.14	10	-1	0.06	20	1.62	803	-1	0.06	29	1080	-2	-0.01	2	7	72	-20
I766757	339.00	340.00	1.00		I766757	0.04	0	0	0	0.04	-0.2	2.93	2	-10	20	-0.5	-2	3.95	-0.5	22	34	2	5.24	10	-1	0.05	20	2.33	830	-1	0.05	36	1390	3	-0.01	-2	11	43	-20
I766758	340.00	340.95	0.95		I766758	-0.01	0	0	0	0	-0.2	2.49	-2	-10	20	-0.5	-2	4.44	-0.5	17	30	1	4.4	10	-1	0.06	20	1.85	723	-1	0.08	35	1170	2	0.01	-2	9	41	-20
I766759	340.95	341.85	0.90	Mafic volcanic rock	I766759	0.06	0	0	0	0.06	0.3	4.28	3	-10	10	-0.5	-2	4.81	-0.5	27	129	4	6.81	10	-1	0.01	10	3.64	1110	-1	0.03	131	740	2	0.02	3	14	44	-20
I766760	341.85	343.30	1.45	Mafic volcanic rock	I766760	0.01	0	0	0	0.01	-0.2	8.11	-2	-10	-10	-0.5	-2	4.45	-0.5	74	972	-1	11.75	20	-1	-0.01	10	8.96	1675	-1	-0.01	820	800	4	-0.01	3	25	52	-20
I766761	343.30	344.50	1.20	Shoulder	I766761	0.04	0	0	0	0.04	-0.2	2.57	-2	-10	10	-0.5	-2	6.57	-0.5	15	24	4	4.53	10	-1	0.03	10	1.9	838	-1	0.04	35	800	-2	-0.01	2	6	69	-20
I766762	344.50	345.50	1.00		I766762	0.06	0	0	0	0.06	-0.2	2.52	7	-10	30	-0.5	-2	1.5	-0.5	22	24	61	4.96	10	-1	0.06	10	1.99	664	-1	0.04	36	970	-2	0.51	-2	6	14	-20
I766763	345.50	346.10	0.60	Granite - contact zone	I766763	0.53	0	0	0	0.53	0.2	3.28	12	-10	20	-0.5	-2	0.52	-0.5	38	51	198	7.07	10	-1	0.05	10	3.13	720	-1	0.04	70	1190	-2	0.72	2	7	9	-20
I766764	346.10	347.00	0.90	Mafic volcanic rock - contact zone	I766764	0.24	0	0	0	0.24	-0.2	4.8	3	-10	10	-0.5	-2	2.43	-0.5	32	208	400	8.89	20	-1	0.02	10	3.88	1290	-1	0.02	165	860	3	0.36	-2	10	21	-20
I766765	347.00	348.00	1.00	Shoulder	I766765	0.01	0	0	0	0.01	0.4	4.13	-2	-10	-10	-0.5	-2	4.11	-0.5	46	628	47	5.83	10	1	-0.01	10	4.86	1035	-1	0.01	497	610	2	0.01	2	4	39	-20
I766766	367.00	368.45	1.45		I766766	0.01	0	0	0	0.01	0.2	6.12	3	-10	-10	-0.5	-2	0.99	-0.5	33	120	-1	11.4	20	-1	-0.01	10	4.89	2450	-1	0.02	95	440	4	0.15	5	25	3	-20
I766767	368.45	369.20	0.75		I766767	0.02	0	0	0	0.02	-0.2	6.27	6	-10	-10	-0.5	-2	0.46	-0.5	53	165	1	12.1	20	1	-0.01	-10	4.83	2600	-1	0.04	119	480	3	0.75	3	21	3	-20
I766768	374.00	374.50	0.50	Local pyrite-carbonate vein; up to 10% pyrite	I766768	0.19	0	0	0	0.19	-0.2	4.17	22	-10	10	-0.5	-2	0.78	-0.5	29	111	3	9.44	10	-1	0.04	-10	2.97	1975	-1	0.02	44	340	2	2.22	-2	14	14	-20
I766769	374.50	375.30	0.80	Shoulder	I766769	0.64	0	0	0	0.64	0.3	3.39	14	-10	-10	-0.5	-2	0.76	-0.5	26	110	9	7.2	10	-1	0.02	-10	2.56	1565	-1	0.01	35	250	-2	1.02	-2	13	5	-20
I766770	390.20	390.80	0.60	Shoulder	I766770	0.01	0	0	0	0.01	-0.2	3.96	-2	-10	-10	-0.5	-2	0.25	-0.5	15	230	2	6.92	20	-1	0.01	-10	2.89	623	-1	0.04	106	200	-2	0.11	3	23	4	-20
I766771	390.80	392.00	1.20	QFP	I766771	0.03	0	0	0	0.03	-0.2	1.48	5	-10	20	-0.5	-2	0.51	-0.5	7	8	-1	2.37	10	-1	0.08	-10	1.33	226	-1	0.04	12	360	-2	0.05	-2	2	7	-20
I766772	392.00	393.00	1.00	QFP	I766772	0.06	0	0	0	0.06	-0.2	1.32	7	-10	30	-0.5	-2	0.18	-0.5	8	6	1	2.19	10	-1	0.11	10	1.21	196	-1	0.05	7	360	-2	0.21	-2	1	6	-20
I766773	393.00	394.00	1.00	QFP	I766773	0.03	0	0	0	0.03	-0.2	0.92	12	-10	20	-0.5	2	0.69	-0.5	7	8	1	1.73	-10	-1	0.08	-10	0.65	181	-1	0.07	8	400	-2	0.35	-2	1	7	-20
I766774	394.00	394.00	0.00	Blank	I766774	-0.01	0	0	0	0	-0.2	1.12	2	-10	50	-0.5	-2	0.98	-0.5	9	14	16	1.95	-10	-1	0.13	30	0.7	329	-1	0.04	13	640	-2	0.01	-2	2	64	-20
I766775	394.00	394.00	0.00	Standard-L																																			
I766776	394.00	395.00	1.00	QFP																																			
I766777	395.00	396.00	1.00	QFP	I766777	0.05	0	0	0	0.05	-0.2	0.8	8	-10	20	-0.5	-2	1.07	-0.5	7	7	1	1.45	-10	-1	0.08	10	0.53	186	-1	0.06	7	400	-2	0.23	-2	1	8	-20
I766778	396.00	397.00	1.00	QFP	I766778	0.04	0	0	0	0.04	-0.2	0.88	6	-10	40	-0.5	-2	2.14	-0.5	5	3	3	1.52	-10	-1	0.15	10	0.42	193	-1	0.05	6	370	-2	0.27	-2	-1	30	-20
I766779	397.00	398.00	1.00	QFP	I766779	0.03	0	0	0	0.03	-0.2	0.9	9	-10	30	-0.5	-2	2.05	-0.5	5	3	4	1.65	-10	-1	0.15	10	0.46	189	-1	0.04	6	380	-2	0.37	2	-1	30	-20
I766780	398.00	399.00	1.00	QFP	I766780	0.02	0	0	0	0.02	-0.2	0.92	16	-10	40	-0.5	-2	1.73	-0.5	6	3	6	1.72	-10	-1	0.17	10	0.47	188	-1	0.04	6	370	-2	0.49	-2	-1	27	-20
I766781	399.00	400.00	1.00	QFP	I766781	0.01	0	0	0	0.01	-0.2	0.84	13	-10	40	-0.5	3	1.92	-0.5	6	3	21	1.64	-10	-1	0.15	10	0.4	212	-1	0.04	6	360	-2	0.44	-2	-1	24	-20
I766782	400.00	401.00	1.00	QFP	I766782	0.02	0	0	0	0.02	-0.2	0.83	15	-10	40	-0.5	-2	2.12	-0.5	6	3	46	1.65	-10	-1	0.17	10	0.35	257	-1	0.04	5	360	-2	0.43	-2	-1	33	-20
I766783	401.00	402.40	1.40	QFP	I766783	0.02	0	0	0	0.02	-0.2	0.84	11	-10	30	-0.5	3	2.11	-0.5	4	2	28	1.7	-10	-1	0.15	10	0.37	272	-1	0.04	5	360	-2	0.37	-2	-1	27	-20
I766784	402.40	403.00	0.60	Local pyrite stringers in QFP	I766784	1.47	0	0	0	1.47	0.5	1	42	-10	20	-0.5	3	2.52	-0.5	11	3	19	2.59	-10	1	0.12	10	0.47	291	-1	0.05	7	340	-2	0.96	-2	1	24	-20
I766785	403.00	404.00	1.00	QFP	I766785	0.05	0	0	0	0.05	-0.2	0.79	15	-10	30	-0.5	2	2.02	-0.5	4	3	15	1.54	-10	-1	0.11	10	0.38	228	-1	0.04	6	360	-2	0.11	-2	-1	25	-20
I766786	404.00	405.00	1.00	QFP	I766786	0.02	0	0	0	0.02	0.2	0.75	16	-10	30	-0.5	2	2.01	-0.5	6	2	41	1.52	-10	-1	0.14	10	0.32	227	-1	0.05	6	370	-2	0.17	-2	-1	23	-20
I766787	405.00	406.00	1.00	QFP	I766787	0.05	0	0	0	0.05	-0.2	0.85	64	-10	30	-0.5	-2	1.96	-0.5	7	3	55	1.64	-10	1	0.14	10	0.37	251	1	0.06	6	370	-2	0.15	-2	1	20	-20
I766788	406.00	406.70	0.70	QFP	I766788	0.02	0	0	0	0.02	-0.2	0.95	19	-10	40	-0.5	-2	1.22	-0.5	9	2	51	1.95	-10	-1	0.15	10	0.45	210	1	0.06	5	380	-2	0.23	-2	-1	15	-20
I766789	406.70	407.35	0.65	QFP	I766789	0.01	0	0	0	0.01	-0.2	0.93	8	-10	30	-0.5	-2	1.95	-0.5	7	3	16	1.73	-10	-1	0.13	10	0.42	246	1	0.05	8	360	-2	0.11	-2	-1	18	-20
I766790	407.35	408.00	0.65	Shoulder	I766790	0.01	0	0	0	0.01	-0.2	3.75	43	-10	20	-0.5	4	6.03	-0.5	39	198	119	6.13	10	-1	0.1	-10	2	1120	1	0.04	113	260	2	0.06	-2	10	58	-20
I766791	418.15	419.15	1.00	Shoulder	I766791	-0.01	0	0	0	0	-0.2	4.26	7	-10	10	-0.5	-2	3.67	-0.5	43	129	65	6.24	10	1	0.02	-10	4.03	1380	3	0.05	122	300	3	0.13	-2	11	38	-20
I766792	419.15	419.90	0.75	Series of pegmatite dykes; tr pyrite	I766792	-0.01	0	0	0	0	-0.2	2.51	6	-10	10	-0.5	-2	2.38	-0.5	26	77	81	3.9	-10	-1	0.02	10	2.07	748	1	0.05	77	250	-2	0.11	2	4	17	-20
I766793	419.90	420.60	0.70	Shoulder	I766793	0.01	0	0	0	0.01	-0.2	3.02	23	-10	-10	-0.5	-2	3.54	-0.5	44	239	45	4.98	-10	-1	0.01	-10	2.14	1110	2	0.05	134	260	-2	0.1	-2	5	22	-20
I766794	427.50	428.05	0.55	Shoulder	I766794	-0.01	0	0	0	0	-0.2	4.04	107	-10	20	-0.5	-2	6.28	-0.5	40	216	19	7.09	10	1	0.1	-10	2.41	1300	2	0.04	121	240	-2	0.02	-2	16	21	-20
I766795	428.05	429.00	0.95	Down-dip quartz/ankerite-sericite vein	I766795	0.01	0	0	0	0.01	-0.2	2.42	59	-10	30	-0.5	-2	3.59	-0.5	23	108	14	4.43	10	-1	0.14	10	1.27	740	1	0.06	62	180	-2	0.02	-2	8	13	-20
I766796	429.00	429.75	0.75	Kspar-quartz dislocated veins	I766796	0.01	0	0	0	0.01	-0.2	2.16	30	-10	30	-0.5	-2	5.94	-0.5	25	98	31	3.89	-10	-1	0.14	-10	1.04	951	1	0.03	72	220	-2	0.02	-2	6	30	-20
I766797	429.75	430.40	0.65		I766797	0.01	0	0	0	0.01	-0.2	2.62	91	-10	40	-0.5	-2	6.97	-0.5	48	150	177	4.9	-10	-1	0.19	-10	1.24	1300	1	0.04	125	220	-2	0.18	-2	9	30	-20
I766798	430.40	431.40	1.00		I766798	-0.01	0	0	0	0	-0.2	3.12	63	-10	20	-0.5	-2	5.5	-0.5	50	221	75	5.43	10	1	0.08	-10	1.84	1420	1	0.03	127	220	-2	0.03	-2	11	23	-20
I766799	431.40	431.40	0.00	Blank	I766799	-0.01	0	0	0	0	-0.2	1.19	2	-10	60	-0.5	-2	1.02	-0.5	9	16	15	2.13	-10	-1	0.13	30	0.76	381	1	0.06	16	720	3	0.01	-2	3	63	-20
I766800	431.40	431.40	0.00	Standard-H																																			
I766801	431.40	432.00	0.60	Silica and/or quartz vein; tr-1% pyrite																																			
I766802	437.00	438.00	1.00		I766802	0.01	0	0	0	0.01	0.2	2.84	82	-10	50	-0.5	-2	5.26	-0.5	44	123	96	5.17	10	-1	0.33	-10	1.39	1110	1	0.03	114	260	2	0.13	-2	6	14	-20
I766803	438.00	439.00	1.00		I766803	0.01	0	0	0	0.01	0.3	2.17	79	-10	20	-0.5	-2	9.05	-0.5	34	136	228	5.03	10	-1	0.09	-10	1.27	1280	1	0.03	91	170	7	1.05	-2	7	69	-20
I766804	439.00	440.00	1.00		I766804	0.01	0	0	0	0.01	-0.2	3.25	98	-10	10	-0.5	-2	3.12	-0.5	53	264	175	5.88	10	-1	0.03	-10	2.01	1080	1	0.07	138	230	2	0.12	-2	14	17	-20
I766805	440.00	440.60	0.60	Local pyrite-carbonate veinlet	I766805	4.10	0	0	0	4.1	2	2.06	92	-10	30	-0.5	3	8.48	-0.5	37	130	72	4.46	10	-1	0.08	-10	1.22	934	3	0.06	75	130	7	0.69	-2	9	34	-20
I766806	440.60	441.50	0.90		I766806	0.02	0	0	0	0.02	-0.2	2.8	56	-10	10	-0.5	-2	2.43	-0.5	47	244	112	5.03	10	-1	0.03	-10	1.9	1040	1	0.06	133	250	-2	0.09	-2	9	18	-20
I766807	441.50	442.00	0.50		I766807	0.01	0	0	0	0.01	0.2	2.53	30	-10	-10	-0.5	-2	2.6	-0.5	40	151	185	4.32	-10	-1	0.01	-10	1.56	960	1	0.03	109	160	-2	0.08	-2	5	32	-20
I766808	442.00	442.80	0.80		I766808	0.02	0	0	0	0.02	-0.2	3.44	17	-10	-10	-0.5	-2	1.8	-0.5	55	257	194	6.75	10	-1	0.01	-10	2.17	1430	2	0.04	154	200	-2	0.22	-2	6	17	-20
I766809	442.80	443.30	0.50	Syenite dyke	I766809	-0.01	0	0	0	0	0.5	0.59	6	-10	10	-0.5	-2	1.05	-0.5	7	38	16	1.14	-10	-1	0.01	20	0.26	234	1	0.08	19	60	2	0.02	-2	2	15	-20
I766810	443.30	444.00	0.70	Shoulder	I766810	0.01	0	0	0	0.01	-0.2	3.22	13	-10	-10	-0.5	-2	1.94	-0.5	47	257	99	5.99	10	-1	0.01	-10	1.97	1230	1	0.06	135	240	2	0.1	-2	10	28	-20
I766811	447.75	448.25	0.50	Sericite-quartz vein	I766811	-0.01	0	0	0	0	0.3	2.56	10	-10	10	-0.5	-2	2.55	-0.5	32	116	151	4.69	-10	-1	0.02	-10	1.52	1030	2	0.03	76	160	3	0.16	-2	4	25	-20
I766812	448.25	449.25	1.00	Shoulder	I766812	-0.01	0	0	0	0	-0.2	3.21	6	-10	-10	-0.5	-2	2.22	-0.5	40	197	127	5.36	-10	1	0.01	-10	2.2	1100	2	0.05	93	240	-2	0.04	-2	7	29	-20
I766813	456.00	456.50	0.50	Shoulder	I766813	-0.01	0	0	0	0	-0.2	3.37	4	-10	-10	-0.5	-2	2.7	-0.5	38	218	53	5.49	-10	-1	0.01	-10	2.22	1100	1	0.04	101	260	2	0.02	-2	9	37	-20

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358129 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-47-2010	**EASTING:**	451987 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	597.38m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results
I766814	456.50	457.00	0.50	Silica-(pyrite) zone	I766814 0.03 0 0 0 0.03 -0.2 2.85 12 -10 10 -0.5 -2 2.55 -0.5 35 160 177 6.04 10 -1 0.01 -10 1.56 1160 1 0.03 90 290 -2 0.28 -2 5 12 -20
I766815	457.00	457.75	0.75	Shoulder	I766815 0.01 0 0 0 0.01 -0.2 3.07 16 -10 -10 -0.5 -2 2.41 -0.5 47 250 60 5.25 10 -1 0.01 -10 1.76 1100 1 0.05 113 260 2 0.02 -2 8 25 -20
I766816	462.00	463.00	1.00	Shoulder	I766816 -0.01 0 0 0 0 -0.2 3.52 34 -10 -10 -0.5 -2 4.02 -0.5 40 231 40 5.98 10 -1 0.01 -10 2.11 1370 1 0.05 108 240 -2 0.03 -2 7 23 -20
I766817	463.00	463.50	0.50	Syenite dyke	I766817 0.01 0 0 0 0.01 0.4 2.16 28 -10 10 -0.5 -2 1.89 -0.5 27 155 66 3.81 -10 -1 0.02 10 1.36 747 1 0.06 66 170 -2 0.04 -2 3 15 -20
I766818	463.50	464.50	1.00	Shoulder	I766818 -0.01 0 0 0 0 -0.2 4.01 67 -10 -10 -0.5 -2 2.87 -0.5 45 219 98 6.37 10 -1 0.01 -10 2.92 1160 1 0.03 117 250 -2 0.07 -2 7 19 -20
I766819	464.50	465.00	0.50	9cm-thick quartz-pyrite vein; 5-10% pyrite	I766819 1.72 0 0 0 1.72 1.9 3.64 225 -10 30 -0.5 7 3.05 -0.5 45 183 583 7.46 10 -1 0.1 -10 2.64 1010 1 0.03 112 220 3 2.18 -2 7 12 -20
I766820	465.00	466.30	1.30	Shoulder	I766820 -0.01 0 0 0 0 -0.2 3.52 48 -10 10 -0.5 -2 3.8 -0.5 40 191 113 5.43 10 1 0.02 -10 2.62 1010 1 0.04 104 230 -2 0.03 -2 8 20 -20
I766821	466.30	467.00	0.70	Quartz-Kspar pegmatite	I766821 0.01 0 0 0 0.01 -0.2 3.05 36 -10 10 -0.5 -2 3.12 -0.5 38 166 135 4.89 10 -1 0.02 10 1.93 859 1 0.04 99 210 2 0.05 -2 7 36 -20
I766822	467.00	467.50	0.50	Syenite dyke	I766822 0.01 0 0 0 0.01 0.3 1.72 7 -10 20 -0.5 -2 2.19 -0.5 20 89 44 3.08 -10 1 0.06 10 1.09 593 1 0.07 59 100 6 0.08 -2 3 18 -20
I766823	472.50	473.00	0.50	Local quartz vein/silica zone	I766823 -0.01 0 0 0 0 0.2 2.21 7 -10 20 -0.5 -2 3.77 -0.5 26 121 91 4.27 10 -1 0.06 10 1.19 732 1 0.06 69 230 2 0.16 -2 9 25 -20
I766824	473.00	473.00	0.00	Blank	I766824 -0.01 0 0 0 0 -0.2 1.22 3 -10 80 -0.5 -2 0.83 -0.5 9 17 11 2.07 -10 -1 0.22 30 0.76 373 1 0.07 14 660 2 0.01 -2 3 72 -20
I766825	473.00	473.00	0.00	Standard-L	
I766826	473.00	474.00	1.00	Shoulder	
I766827	474.00	475.05	1.05	Shoulder	I766827 -0.01 0 0 0 0 0.2 3.7 37 -10 20 -0.5 -2 5.84 -0.5 37 179 99 6.89 10 -1 0.12 -10 1.83 1110 -1 0.03 106 210 -2 0.07 -2 12 48 -20
I766828	475.05	476.00	0.95	Bleached zone	I766828 -0.01 0 0 0 0 0.2 2.26 87 -10 20 -0.5 -2 6.06 -0.5 40 105 49 6.61 -10 -1 0.15 -10 2.27 1315 -1 0.04 104 200 -2 0.03 -2 8 48 -20
I766829	476.00	476.75	0.75	Sericite ± fuschite	I766829 0.01 0 0 0 0.01 0.3 1.3 67 -10 20 -0.5 -2 5.69 -0.5 35 65 90 5.45 -10 -1 0.13 -10 1.86 1155 1 0.05 89 190 -2 0.1 -2 6 45 -20
I766830	476.75	477.45	0.70		I766830 0.02 0 0 0 0.02 0.4 1.6 44 -10 10 -0.5 -2 6.12 -0.5 39 74 145 6.65 -10 -1 0.14 -10 1.98 1185 -1 0.07 100 180 -2 0.4 -2 10 47 -20
I766831	477.45	478.45	1.00	Fuschite (1%)	I766831 -0.01 0 0 0 0 0.2 0.36 8 -10 20 -0.5 -2 1.91 -0.5 8 18 10 1.7 -10 -1 0.09 20 0.49 332 1 0.05 20 100 2 0.06 -2 2 17 -20
I766832	478.45	479.20	0.75	Bleached zone	I766832 0.08 0 0 0 0.08 0.3 0.75 25 -10 20 -0.5 -2 3.42 -0.5 19 19 110 3.31 -10 -1 0.13 10 0.75 551 1 0.06 41 220 2 0.52 -2 3 27 -20
I766833	479.20	479.80	0.60	Bleached zone	I766833 -0.01 0 0 0 0 0.2 0.42 11 -10 20 -0.5 -2 2.22 -0.5 9 6 19 1.9 -10 -1 0.1 10 0.41 291 1 0.04 13 200 -2 0.25 -2 1 18 -20
I766834	479.80	480.65	0.85	Bleached zone	I766834 0.02 0 0 0 0.02 0.7 0.7 16 -10 20 -0.5 4 5.73 -0.5 25 16 138 4.21 -10 -1 0.12 -10 1.46 992 -1 0.04 62 100 4 0.59 -2 4 46 -20
I766835	480.65	481.40	0.75	Shoulder	I766835 -0.01 0 0 0 0 -0.2 4.41 8 -10 10 -0.5 -2 6.07 -0.5 39 243 52 7.41 10 1 0.03 -10 3.15 1200 -1 0.04 110 210 -2 0.05 -2 30 55 -20
I766836	492.00	492.90	0.90	Shoulder	I766836 0.01 0 0 0 0.01 1.8 4.1 50 -10 10 -0.5 5 5.54 -0.5 39 222 234 6.9 10 -1 0.05 -10 2.74 1210 2 0.03 104 220 2 0.23 -2 22 49 -20
I766837	492.90	493.60	0.70	Bleached zone	I766837 0.01 0 0 0 0.01 0.2 2.82 27 -10 10 -0.5 2 4.71 -0.5 28 161 131 4.92 10 1 0.05 10 1.81 934 -1 0.05 65 150 -2 0.17 -2 18 45 -20
I766838	493.60	494.10	0.50	Shoulder	I766838 -0.01 0 0 0 0 0.2 2.27 14 -10 30 -0.5 3 5 -0.5 19 107 125 4.01 -10 -1 0.11 -10 1.37 869 -1 0.04 51 170 -2 0.25 -2 11 49 -20
I766839	496.50	497.50	1.00	Sericite-silica alteration zone	I766839 0.04 0 0 0 0.04 0.8 1.15 21 -10 30 -0.5 13 3.49 0.7 14 67 734 2.14 -10 -1 0.11 30 0.6 539 6 0.06 37 100 4 0.21 -2 6 34 -20
I766840	497.50	498.60	1.10	Granite dyke	I766840 -0.01 0 0 0 0 -0.2 0.63 8 -10 40 -0.5 -2 4.01 -0.5 7 19 35 1.23 -10 -1 0.09 20 0.26 515 1 0.04 13 70 2 0.04 -2 1 40 -20
I766841	502.00	503.00	1.00	1-2% pyrite; tr-1% chalcopyrite	I766841 -0.01 0 0 0 0 0.4 2.18 19 -10 20 -0.5 -2 5.2 1.1 23 130 150 4.36 10 -1 0.14 10 0.95 990 1 0.04 54 280 10 0.21 -2 11 63 -20
I766842	503.00	504.00	1.00	Shoulder	I766842 -0.01 0 0 0 0 -0.2 3.09 32 -10 20 -0.5 -2 6 -0.5 31 165 28 5.78 10 -1 0.1 10 1.72 1240 1 0.03 76 220 2 0.08 -2 15 64 -20
I766843	510.00	510.75	0.75	Shoulder	I766843 -0.01 0 0 0 0 -0.2 4.41 31 -10 -10 -0.5 -2 3.05 -0.5 42 250 54 7.55 -10 -1 0.01 -10 3.11 1425 -1 0.04 124 260 -2 0.05 -2 7 27 -20
I766844	510.75	511.35	0.60	Quartz-Kspar vein	I766844 -0.01 0 0 0 0 0.2 2.38 30 -10 10 -0.5 -2 5.16 -0.5 28 119 49 3.62 -10 -1 0.02 -10 1.48 870 1 0.02 75 170 2 0.03 -2 3 44 -20
I766845	511.35	512.00	0.65	Bleached zone	I766845 -0.01 0 0 0 0 0.2 2.15 27 -10 10 -0.5 -2 3.53 -0.5 28 104 87 3.05 -10 -1 0.04 -10 1.33 648 1 0.02 69 170 -2 0.05 -2 4 38 -20
I766846	515.30	516.00	0.70	1-2% pyrite; 1% chalcopyrite	I766846 -0.01 0 0 0 0 0.7 3.71 8 -10 10 -0.5 -2 1.36 -0.5 48 173 413 7.56 -10 -1 0.04 -10 2.48 1220 -1 0.03 117 200 -2 0.53 -2 8 20 -20
I766847	519.25	519.75	0.50	Quartz vein	I766847 -0.01 0 0 0 0 0.2 1.22 10 -10 10 -0.5 -2 1.95 -0.5 15 79 28 2.12 -10 -1 0.03 10 0.7 406 8 0.04 32 120 2 0.02 -2 3 25 -20
I766848	519.75	521.00	1.25	Local quartz vein	I766848 -0.01 0 0 0 0 -0.2 2.52 17 -10 10 -0.5 -2 2.69 -0.5 30 175 44 4.12 -10 -1 0.02 -10 1.49 682 28 0.05 79 220 2 0.05 -2 7 39 -20
I766849	521.00	521.00	0.00	Blank	I766849 -0.01 0 0 0 0 -0.2 1.2 2 -10 40 -0.5 -2 0.9 -0.5 10 19 14 2.15 10 -1 0.1 30 0.8 383 -1 0.06 16 640 3 0.02 -2 3 62 -20
I766850	521.00	521.00	0.00	Standard-H	
I766851	521.00	522.40	1.40	Shoulder	
I766852	522.40	523.20	0.80	Quartz vein; 1-2% pyrite; 1% chalcopyrite	I766852 0.03 0 0 0 0.03 0.2 2.03 18 -10 40 -0.5 -2 3.55 1.4 15 108 385 3.6 -10 -1 0.16 -10 1.37 672 13 0.03 55 150 3 0.23 -2 9 11 -20
I766853	523.20	524.50	1.30	Shoulder	I766853 -0.01 0 0 0 0 -0.2 2.92 37 -10 20 -0.5 -2 2.58 -0.5 45 246 94 5.03 -10 -1 0.07 -10 1.86 933 1 0.06 103 260 2 0.11 -2 10 26 -20
I766854	524.50	525.60	1.10		I766854 -0.01 0 0 0 0 -0.2 2.43 34 -10 20 -0.5 -2 2.03 -0.5 54 252 121 4.25 -10 -1 0.07 -10 1.52 730 1 0.06 156 290 2 0.1 -2 11 24 -20
I766855	525.60	526.60	1.00		I766855 -0.01 0 0 0 0 -0.2 2.97 22 -10 10 -0.5 -2 1.94 -0.5 52 230 50 5.32 -10 -1 0.03 -10 1.97 834 -1 0.04 137 240 -2 0.25 -2 10 32 -20
I766856	526.60	527.60	1.00	Syenite	I766856 -0.01 0 0 0 0 -0.2 0.41 3 -10 40 -0.5 -2 2.37 -0.5 4 7 10 0.59 -10 -1 0.14 10 0.15 178 8 0.04 10 50 3 0.02 -2 1 8 -20
I766857	527.60	528.60	1.00	Syenite	I766857 -0.01 0 0 0 0 -0.2 0.28 -2 -10 50 -0.5 -2 2.35 -0.5 1 6 2 0.28 -10 -1 0.13 10 0.03 114 -1 0.1 2 90 -2 0.01 -2 1 8 -20
I766858	528.60	529.82	1.22	Syenite	I766858 -0.01 0 0 0 0 -0.2 0.28 -2 -10 40 -0.5 2 2.59 -0.5 1 5 1 0.27 -10 -1 0.13 -10 0.05 131 -1 0.07 2 210 -2 0.01 -2 -1 10 -20
I766859	529.82	530.80	0.98	Shoulder	I766859 -0.01 0 0 0 0 -0.2 3.17 21 -10 20 -0.5 -2 3.55 -0.5 32 156 95 4.8 10 -1 0.08 -10 2.25 901 -1 0.05 77 240 -2 0.04 -2 10 27 -20
I766860	572.00	572.85	0.85	Shoulder	I766860 0.01 0 0 0 0.01 0.2 3.38 69 -10 90 -0.5 4 4.24 -0.5 32 36 27 7.62 10 -1 0.17 -10 3 1220 -1 0.03 69 650 -2 0.04 -2 6 96 -20
I766861	572.85	573.70	0.85	QFP	I766861 0.01 0 0 0 0.01 -0.2 0.44 16 -10 90 -0.5 -2 2.67 -0.5 7 3 97 1.6 -10 -1 0.24 10 0.51 412 -1 0.04 4 410 7 0.03 -2 1 43 -20
I766862	573.70	574.75	1.05	QFP	I766862 0.01 0 0 0 0.01 -0.2 0.39 11 -10 50 -0.5 -2 2.08 -0.5 8 3 30 1.57 -10 -1 0.18 10 0.43 264 -1 0.06 3 410 2 0.13 -2 1 36 -20
I766863	574.75	576.00	1.25	QFP	I766863 0.01 0 0 0 0.01 -0.2 0.78 10 -10 50 -0.5 -2 2.32 -0.5 6 3 6 1.8 -10 -1 0.18 10 0.45 223 -1 0.06 3 430 2 0.11 -2 1 52 -20
I766864	576.00	577.00	1.00	QFP	I766864 0.01 0 0 0 0.01 -0.2 0.64 9 -10 50 -0.5 -2 2 -0.5 6 3 3 1.69 -10 -1 0.17 10 0.41 214 -1 0.06 4 430 -2 0.15 -2 1 41 -20
I766865	577.00	578.00	1.00	QFP	I766865 0.03 0 0 0 0.03 -0.2 0.59 11 -10 50 -0.5 2 1.91 -0.5 7 4 36 1.77 -10 -1 0.17 10 0.43 229 -1 0.07 5 410 2 0.2 -2 1 40 -20
I766866	578.00	579.00	1.00	QFP	I766866 0.01 0 0 0 0.01 -0.2 0.37 10 -10 50 -0.5 2 1.99 -0.5 6 4 8 1.69 -10 -1 0.16 10 0.46 254 -1 0.06 5 430 3 0.13 -2 1 38 -20
I766867	579.00	579.80	0.80	QFP	I766867 -0.01 0 0 0 0 -0.2 0.42 12 -10 80 -0.5 -2 2.04 -0.5 5 3 15 1.76 -10 -1 0.18 10 0.44 245 -1 0.06 4 420 3 0.08 -2 1 46 -20
I766868	579.80	580.80	1.00	Shoulder	I766868 0.01 0 0 0 0.01 -0.2 3.49 22 -10 140 -0.5 -2 3.27 -0.5 26 37 21 7.69 10 1 0.1 -10 2.65 1225 -1 0.03 58 500 2 0.07 -2 9 72 -20
I766869	583.45	584.20	0.75	Quartz vein; tr pyrite; tr Molybdenite	I766869 0.01 0 0 0 0.01 -0.2 3.15 6 -10 30 -0.5 -2 3.3 -0.5 24 39 53 6.3 10 -1 0.02 -10 1.79 808 68 0.04 54 550 -2 0.21 -2 16 77 -20
I766870	584.20	585.60	1.40	Shoulder	I766870 0.01 0 0 0 0.01 0.3 4.72 7 -10 30 -0.5 -2 4.66 -0.5 36 141 200 9.55 10 -1 0.05 -10 2.31 1135 2 0.04 77 560 2 0.36 -2 27 111 -20
I766871	585.60	586.50	0.90	QFP	I766871 -0.01 0 0 0 0 -0.2 1.15 4 -10 60 -0.5 2 2.51 -0.5 7 14 4 2.08 -10 -1 0.12 10 0.48 272 -1 0.06 11 400 -2 0.06 -2 2 46 -20
I766872	586.50	587.40	0.90	QFP	I766872 0.01 0 0 0 0.01 -0.2 1.08 4 -10 50 -0.5 -2 2.15 -0.5 7 4 1 1.9 -10 -1 0.15 10 0.42 213 -1 0.06 4 390 2 0.06 -2 1 39 -20
I766873	587.40	588.30	0.90	QFP	I766873 -0.01 0 0 0 0 -0.2 0.93 6 -10 40 -0.5 -2 2.44 -0.5 6 5 4 1.61 -10 -1 0.14 10 0.33 217 -1 0.06 4 410 -2 0.03 -2 1 40 -20
I766874	588.30	588.30	0.00	Blank	I766874 0.01 0 0 0 0.01 -0.2 2.11 3 -10 30 -0.5 3 0.67 -0.5 18 36 -1 5.21 10 -1 0.07 20 2.25 519 -1 0.08 35 1520 3 0.01 -2 9 19 -20
I766875	588.30	588.30	0.00	Standard-L	
I766876	588.30	589.32	1.02	QFP	
I766877	589.32	590.80	1.48	Shoulder	I766877 -0.01 0 0 0 0 -0.2 1.22 3 -10 60 -0.5 -2 2.05 -0.5 10 14 1 2.18 10 -1 0.12 10 0.58 225 -1 0.07 9 400 -2 0.01 -2 2 31 -20
I766878	590.80	591.50	0.70	QFP	I766878 0.01 0 0 0 0.01 0.2 4.46 20 -10 60 -0.5 2 5.8 -0.5 39 232 49 8.69 10 -1 0.07 -10 2.08 1235 -1 0.03 96 290 -2 0.09 -2 21 102 -20
I766879	591.50	592.50	1.00	QFP	I766879 0.01 0 0 0 0.01 -0.2 1.27 -2 -10 50 -0.5 -2 1.73 -0.5 9 18 1 2.27 10 -1 0.11 10 0.63 217 -1 0.07 10 420 2 0.01 -2 2 30 -20
I766880	592.50	593.25	0.75	Shoulder	I766880 0.01 0 0 0 0.01 -0.2 2.94 -2 -10 20 -0.5 2 2.98 -0.5 34 204 60 4.85 10 -1 0.03 -10 2.23 728 -1 0.05 88 260 -2 0.04 -2 14 63 -20
I149201	331.65	332.65	1.00	Altered granite (hem-carbonate)	I149201 -0.01 0 0 0 0 -0.2 2.53 3 -10 30 -0.5 -2 4.71 -0.5 14 23 52 3.83 10 -1 0.13 10 1.78 765 -1 0.06 23 1060 -2 0.07 -2 5 57 -20
I149202	332.65	333.50	0.85	Altered granite (hem-carbonate) including mafic xenolith	I149202 -0.01 0 0 0 0 -0.2 3.88 2 -10 20 -0.5 -2 2.72 -0.5 24 17 5 6.17 20 -1 0.07 20 2.82 1065 1 0.04 31 760 -2 0.06 -2 8 28 -20
I149203	333.50	334.50	1.00	Altered granite	I149203 0.05 0 0 0 0.05 -0.2 2.23 8 -10 40 -0.5 -2 5.58 -0.5 13 17 4 3.29 10 -1 0.16 10 1.47 773 -1 0.06 18 770 -2 0.12 -2 4 72 -20
I149204	334.50	335.50	1.00	Altered granite (hem-carbonate) including mafic xenolith	I149204 0.07 0 0 0 0.07 -0.2 2.81 -2 -10 20 -0.5 -2 2.69 -0.5 17 8 -1 4.74 10 -1 0.06 20 1.86 874 -1 0.08 14 1040 -2 0.01 -2 5 32 -20
I149205	335.50	336.25	0.75	Altered granite	I149205 -0.01 0 0 0 0 -0.2 1.8 -2 -10 30 -0.5 -2 2.02 -0.5 11 8 -1 2.93 10 -1 0.08 10 1.16 509 -1 0.08 10 1110 -2 0.01 -2 3 24 -20
I149206	336.25	337.10	0.85	Altered granite	I149206 -0.01 0 0 0 0 -0.2 2.4 -2 -10 20 -0.5 -2 4.67 -0.5 13 17 1 3.93 10 -1 0.06 10 1.61 760 -1 0.1 19 920 -2 0.01 -2 5 64 -20
I149207	348.00	349.00	1.00	Mafic volcanic rock + granite dyke	I149207 -0.01 0 0 0 0 -0.2 3.9 6 -10 20 -0.5 -2 1.46 -0.5 34 311 73 5.51 10 -1 0.04 10 4.11 827 1 0.02 260 650 -2 0.23 -2 5 22 -20
I149208	349.00	350.15	1.15	Mafic volcanic rock	I149208 0.01 0 0 0 0.01 -0.2 3.77 3 -10 -10 -0.5 -2 1.77 -0.5 42 619 70 5.17 10 -1 -0.01 10 4.36 838 -1 0.01 467 580 -2 0.02 -2 3 21 -20
I149209	350.15	351.00	0.85	Granite dyke	I149209 0.01 0 0 0 0.01 -0.2 1.69 2 -10 30 -0.5 -2 1.03 -0.5 12 23 12 2.89 10 -1 0.07 10 1.42 482 2 0.05 32 490 5 0.02 -2 3 23 -20
I149210	351.00	352.00	1.00	Mafic volcanic rock + granite dyke	I149210 0.01 0 0 0 0.01 -0.2 3.45 4 -10 10 -0.5 -2 1.35 -0.5 26 316 1 5.47 10 -1 0.02 -10 3.26 1105 1 0.05 281 580 -2 0.01 -2 12 5 -20
I149211	352.00	353.00	1.00	Mafic volcanic rock	I149211 0.07 0 0 0 0.07 -0.2 5.63 -2 -10 10 -0.5 -2 0.86 -0.5 27 8 -1 9.72 20 1 0.01 -10 4.19 2280 1 0.04 38 670 -2 0.01 -2 12 2 -20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357797 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-48-2010	EASTING:	451847 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	320m
START DATE:		Line 9+00E; Station 1+40N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**3,63**	**3,63**	**OB**																	**Casing/Overburden**
3,63	**47,10**	**43,47**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
4,65	9,15																			Carbonate-silica-(sericite) alteration zone (medium to dark grey color); including calcite tension fractures
13,28	13,29																			Chlorite-rich fracture + tr pyrite
16,67	16,69																			A 2cm-thick carbonate-pyrite vein; 25TCA; 3% pyrite
19,87	19,89																			A 2cm-thick calcite-quartz vein; 80TCA
24,20	25,75																			Partial silica-carbonate-(sericite) alteration associated along micro-fractures; tr pyrite. Schistosity well-developed; 70TCA
32,00	47,10																			Pervasive carbonate-sericite-silica alteration zone (medium-grey color); schistosity: 35TCA
35,50	36,42																			Down-dip carbonate stringer including tr-1% pyrite
47,10	**70,20**	**23,10**																		**QFP dyke**
																				Locally up to 2% pyrite and as stringers. Beige color; sericitized.
47,50	47,50																			Down-dip schistosity
50,50	50,50																			Schistosity: 50TCA
47,64	47,82																			Down-dip and disrupted quartz vein; tr-1% pyrite
48,52	48,56																			A 3cm-thick quartz vein; 50TCA
54,00	54,70																			2% pyrite as "blebs"
65,15	69,12																			Weak sericite alteration; carbonate stringer
64,40	64,60																			Three quartz-pyrite veinlets/stringers (at a 10cm interval; 60TCA); 1-2% pyrite
70,17	70,20																			A 3cm-thick quartz vein; 35TCA
70,20	**187,70**	**117,50**																		**Granite**
																				Idem as previous granite unit
70,20	78,30																			Pervasive silica-sericite-carbonate alteration zone (dark grey color); locally tr pyrite
75,62	75,65																			A 2cm-thick quartz-carbonate vein; 45TCA
83,18	83,19																			A 1cm-thick carbonate-pyrite veinlet; 45TCA; 1-2% pyrite
83,43	83,44																			A 1cm-thick carbonate-pyrite veinlet; 45TCA; 1-2% pyrite
84,05	84,06																			A 1cm-thick carbonate-pyrite veinlet; 45TCA; 1-2% pyrite
89,21	89,21																			Carbonate-(pyrite) stringer; 20TCA. Tr-1% pyrite
91,12	93,10																			Pervasive silica-carbonate-sericite alteration zone (dark grey color). Contacts are gradational
107,27	107,67																			Silica-carbonate alteration zone; including local carbonate-(pyrite) veinlets/stringers; tr pyrite
120,70	121,90																			Carbonate alteration zone (contacts are gradational)
121,35	121,40																			Chlorite-calcite vein; 80TCA
122,30	122,80																			Silica-carbonate alteration zone; medium-grey color
122,48	122,51																			A 1cm-thick calcite-goethite vein + 1cm-thick pyrite-carbonate vein; 20TCA; 2-3% pyrite
124,00	126,00																			Pervasive and strong silica-carbonate-(sericite) alteration zone; including locally tr pyrite and calcite tension fractures
131,51	131,54																			A 3cm-thick aplite dyke/vein; 60TCA
132,03	132,05																			Quartz-(tourmaline) vein; 70TCA
138,87	138,91																			A 3cm-thick quartz-pyrite vein; 45TCA; 3-4% pyrite. Hematite also associated
141,70	142,85																			Silica-carbonate alteration zone (medium to dark grey)
147,50	150,00																			Weak to moderate silica-carbonate alteration zone. Contacts are gradational
148,33	148,63																			Weak sheared zone; chlorite-rich; 40TCA. Tr pyrite

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357797 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-48-2010	EASTING:	451847 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	320m
START DATE:		Line 9+00E; Station 1+40N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensit				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
152,23	152,24																				Pyrite-chlorite stringer; 35TCA
153,94	153,95																				Pyrite-chlorite stringer; 20TCA
158,52	158,55																				A 3cm-thick aplite dyke/vein; 55TCA
160,85	162,90																				Carbonate-sericite alteration zone (light medium grey color)
161,70	161,73																				A 3cm-thick quartz-pyrite-chlorite vein; 40TCA; 5% pyrite
166,85	176,00																				Silica-hematite alteration zone (orange-grey color)
172,88	172,89																				A 0.5cm-thick quartz vein; tr-1% disseminated pyrite associated along edges; 55TCA
176,00	187,70																				Pervasive and strong sericite/chlorite-carbonate alteration (dark green-grey color); Schistosity well-developed (45TCA); including tr-2% disseminat pyrite
179,45	180,65																				Shear zone(?) or schistosity well-developed (45TCA); including locally 1-2% disseminated pyrite
183,90	185,85																				Shear zone(?) or schistosity well-developed (65TCA); including locally 1-2% disseminated pyrite
187,70	**227,30**	**39,60**																			**QFP intrusion**
																					Greenish-grey color; 1-2% disseminated pyrite "blebs". Locally beige ankerite/sericite alteration. Several pyrite-(quartz)-(carbonate) veinlets at a 1-2m interval. Uphole contact at 30TCA
196,85	197,25																				Strong silica alteration
199,61	199,65																				A 3cm-thick quartz vein (25TCA) cross-cutting and displaced a 0.5cm-thick pyrite (70TCA); photo
201,78	201,80																				A 1cm-thick quartz-pyrite vein; 40TCA; 2-3% pyrite
206,63	206,65																				A 2cm-thick quartz-green carbonate vein; 30TCA
208,92	208,93																				A 1cm-thick quartz-pyrite vein; 40TCA; 2-3% pyrite
211,33	211,34																				A 1cm-thick pyrite veinlet; 60TCA
211,52	211,53																				A 1cm-thick quartz-pyrite vein; 50TCA; 2-3% pyrite
212,36	212,37																				A 1cm-thick quartz-pyrite vein; 35TCA; 2-3% pyrite
217,78	217,79																				A 1cm-thick quartz-pyrite vein; 40TCA; 2-3% pyrite
217,84	217,85																				A 1cm-thick quartz-pyrite vein; 40TCA; 2-3% pyrite
219,87	219,88																				A 1cm-thick quartz-pyrite vein; 40TCA; 2-3% pyrite
222,55	225,30																				Ankerite/sericite alteration zone including local pyrite-carbonate-(quartz) stringers at a 15cm interval; 40TCA
225,15	226,50																				Ankerite/sericite alteration zone including two pyrite-carbonate veinlets (<1cm-thick); 35TCA
227,50	**258,70**	**31,20**																			**Granite**
																					Pervasively altered into silica-sericite-carbonate (dark greenish-grey color); including tr-2% pyrite as disseminated grains and as veinlets
230,31	230,66																				Series of pyrite-(quartz) veinlets (55TCA; <1cm-thick; at a 15cm interval); 2-3% pyrite
231,93	231,94																				A 1cm-thick pyrite veinlet; 40TCA
235,25	235,55																				Up to 3% disseminated pyrite
240,20	241,65																				Schistosity well-developed due to abundant sericite/chlorite minerals; weak shear(?); 50TCA
242,60	242,61																				1cm-thick pyrite veinlet; 40TCA
253,80	254,15																				QFP dyke; 1-2% pyrite; contact @ 25TCA
254,31	254,32																				1cm-thick pyrite-carbonate veinlet; 45TCA
258,70	**268,70**	**10,00**																			**QFP intrusion**
																					Ankerite/sericite alteration (greenish to beige color). 1-2% disseminated pyrite; pyrite also present as local pyrite stringers/veinlets. Uphole contact@40TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357797 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-48-2010	EASTING:	451847 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	320m
START DATE:		Line 9+00E; Station 1+40N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensity					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
264,55	264,56																				Carbonate-pyrite veinlets (0.5cm-thick; 50TCA)
265,25	265,60																				Series of pyrite stringers (at a 5 to 10cm interval; 50TCA)
266,65	266,94																				Series of pyrite stringers (at a 10cm interval; 60TCA and down-dip)
268,64	268,70																				Pyrite-quartz vein at the contact with granite; 40TCA; 10% pyrite
268,70	**320,00**	**51,30**																			**Granite**
																					Pervasive sericite/chlorite-carbonate-silica alteration zone (medium-grey color); locally tr-1% disseminated pyrite
268,70	270,00																				Strong sericite alteration zone at the contact with QFP dyke
270,00	270,12																				Down-dip quartz vein
273,70	274,04																				Pyrite-carbonate stringers at a 15cm interval; 35 to 60TCA
275,26	275,28																				A 2cm-thick pyrite-quartz-chlorite vein; 45TCA; 4-5% pyrite
276,10	276,12																				A 2cm-thick pyrite-quartz-chlorite vein; 55TCA; 4-5% pyrite
278,10	278,15																				Carbonate-quartz-chlorite vein/breccia vein; 1-2% pyrite along the edges
280,21	280,22																				A 0.5cm-thick quartz-pyrite vein; 50TCA. 2-3% pyrite
281,00	281,02																				A 1cm-thick carbonate-pyrite vein; 25TCA; 1-2% pyrite
281,41	281,42																				Fine pyrite stringer; 25TCA
283,87	283,89																				Quartz-carbonate-chlorite vein; 25TCA
285,10	285,15																				A 4cm-thick quartz-pyrite vein; 55TCA; 5% pyrite
286,84	286,85																				A 1cm-thick carbonate-pyrite-chlorite vein; 25TCA; 1-2% pyrite
291,49	291,68																				Series of pyrite and quartz-pyrite veinlets (1cm-thick at a 2 to 5cm interval; 55TCA). Strong sericite-silica alteration associated
291,89	291,93																				A 3cm-tihck quartz-pyrite vein; 55TCA; 2-3% cubic pyrite
292,61	292,70																				Series of two pyrite-carbonate stringers; 25TCA; 1-2% pyrite
293,96	294,02																				Shear zone and/or strong schistosity due to sericite (65TCA); including 1-2% pyrite
294,62	294,63																				A 1cm-thick carbonate-pyrite vein; 30TCA
296,33	296,34																				A 1cm-thick quartz-(pyrite) vein; 50TCA; 1% pyrite
297,64	297,65																				A 0.5cm-thick quartz-(pyrite) veinlet; 55TCA
298,35	300,90																				Strong sericite alteration zone (yellowish-green color); including tr-1% pyrite. Schistosity well-developed (50TCA)
303,18	303,45																				Sericite-hematite alteration zone. Schistosity well-developed; 65TCA
305,48	305,49																				A 0.5cm-thick pyrite-chlorite-carbonate veinlet; 25TCA
309,70	318,65																				Unaltered granite (only epidotized plagioclase)
318,65	320,00																				Weak to moderate carbonate-silica alteration zone (medium-grey color)
320,00	**EOH**																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357797 N, NAD83	AZIMUTH:	310.00
HOLE NO:	CAR-48-2010	EASTING:	451847 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	320m
START DATE:	0.00			CORE SIZE:	NQ
FINISH DATE:	0.00				

Assay Results

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I767468	24.20	25.00	0.80		I767468	0.01	0	0	0	0.01	-0.2	1.29	3	-10	70	-0.5	-2	2.28	-0.5	9	12	9	2.41	-10	-1	0.21	30	0.74	453	1	0.05	11	670	-2	0.02	-2	2	67	-20
I767469	25.00	25.75	0.75		I767469	-0.01	0	0	0	0	-0.2	1.4	2	-10	60	-0.5	2	2.49	-0.5	8	13	6	2.59	-10	-1	0.2	30	0.76	462	1	0.06	13	720	-2	0.03	-2	3	75	-20
I767470	34.75	35.50	0.75		I767470	0.01	0	0	0	0.01	-0.2	1.3	2	-10	50	-0.5	-2	2.43	-0.5	7	13	2	2.45	-10	-1	0.17	30	0.7	403	-1	0.06	11	650	2	0.04	-2	2	90	-20
I767471	35.50	36.50	1.00		I767471	0.03	0	0	0	0.03	-0.2	1.25	21	-10	60	-0.5	2	2.69	-0.5	10	11	13	2.51	-10	-1	0.2	30	0.62	426	-1	0.05	12	670	2	0.3	-2	1	101	-20
I767472	36.50	37.25	0.75		I767472	0.01	0	0	0	0.01	-0.2	1.44	4	-10	60	-0.5	-2	2.48	-0.5	10	13	21	2.71	-10	-1	0.21	30	0.73	413	-1	0.05	14	720	2	0.1	-2	2	101	-20
I767473	16.50	17.00	0.50	1cm-thick carbonate-pyrite vein; 3% pyrite	I767473	0.07	0	0	0	0.07	0.4	1.35	26	-10	60	-0.5	2	1.81	-0.5	12	13	122	2.77	-10	-1	0.17	20	0.8	407	1	0.05	14	930	5	0.43	-2	3	74	-20
I767474	17.00	17.00	0.00	Blank	I767474	-0.01	0	0	0	0	-0.2	1.4	-2	-10	40	-0.5	-2	1.35	-0.5	10	17	6	2.62	10	-1	0.14	30	0.93	375	-1	0.08	13	680	-2	0.02	-2	5	53	-20
I767475	17.00	17.00	0.00	Standard-L																																			
I767476	17.00	17.50	0.50	Shoulder																																			
I767477	45.40	46.10	0.70		I767477	0.01	0	0	0	0.01	-0.2	1.28	8	-10	40	-0.5	-2	3.81	-0.5	9	7	20	2.53	-10	-1	0.19	20	0.66	343	1	0.04	12	700	2	0.1	-2	1	44	-20
I767478	46.10	47.10	1.00		I767478	0.01	0	0	0	0.01	-0.2	1.29	16	-10	40	-0.5	-2	2.97	-0.5	10	7	8	2.59	-10	-1	0.2	20	0.67	289	-1	0.05	13	680	2	0.26	-2	1	32	-20
I767479	47.10	48.00	0.90	QFP	I767479	0.01	0	0	0	0.01	-0.2	0.81	10	-10	40	-0.5	-2	2.35	-0.5	4	3	1	1.27	-10	-1	0.22	10	0.29	167	-1	0.05	3	380	-2	0.06	-2	-1	30	-20
I767480	48.00	49.00	1.00	QFP	I767480	0.04	0	0	0	0.04	-0.2	0.78	15	-10	40	-0.5	-2	2.44	-0.5	4	3	11	1.43	-10	-1	0.2	10	0.29	201	-1	0.05	4	390	-2	0.11	-2	-1	34	-20
I767481	49.00	50.00	1.00	QFP	I767481	0.01	0	0	0	0.01	-0.2	0.62	32	-10	40	-0.5	-2	2.22	-0.5	5	2	2	1.59	-10	-1	0.2	10	0.33	243	-1	0.05	3	360	-2	0.28	-2	-1	47	-20
I767482	50.00	51.00	1.00	QFP	I767482	0.01	0	0	0	0.01	-0.2	0.39	20	-10	50	-0.5	-2	1.91	-0.5	4	2	1	1.45	-10	-1	0.21	10	0.46	269	-1	0.06	3	360	-2	0.15	-2	-1	47	-20
I767483	51.00	52.00	1.00	QFP	I767483	0.01	0	0	0	0.01	-0.2	0.37	23	-10	50	-0.5	-2	2.14	-0.5	3	2	8	1.4	-10	-1	0.21	10	0.48	341	-1	0.05	3	370	-2	0.17	-2	-1	49	-20
I767484	52.00	53.00	1.00	QFP	I767484	0.01	0	0	0	0.01	-0.2	0.33	34	-10	40	-0.5	-2	1.88	-0.5	5	3	3	1.55	-10	-1	0.18	10	0.39	271	-1	0.06	3	350	-2	0.28	-2	-1	49	-20
I767485	53.00	54.00	1.00	QFP	I767485	0.03	0	0	0	0.03	-0.2	0.39	20	-10	50	-0.5	-2	2.02	-0.5	4	3	6	1.58	-10	-1	0.21	10	0.39	294	-1	0.06	4	370	-2	0.23	-2	-1	53	-20
I767486	54.00	55.00	1.00	QFP; 2% disseminated pyrite	I767486	0.01	0	0	0	0.01	-0.2	0.37	27	-10	40	-0.5	-2	2.1	-0.5	3	3	3	1.61	-10	-1	0.19	10	0.41	296	-1	0.06	3	380	-2	0.24	-2	-1	53	-20
I767487	55.00	56.00	1.00	QFP	I767487	0.01	0	0	0	0.01	-0.2	0.39	27	-10	40	-0.5	-2	2.05	-0.5	3	3	2	1.6	-10	-1	0.2	10	0.41	291	-1	0.06	3	370	2	0.18	-2	1	54	-20
I767488	56.00	57.00	1.00	QFP	I767488	0.04	0	0	0	0.04	-0.2	0.41	317	-10	40	-0.5	-2	2.16	-0.5	5	3	6	1.79	-10	-1	0.2	10	0.45	321	-1	0.06	4	380	-2	0.51	-2	1	56	-20
I767489	57.00	58.00	1.00	QFP	I767489	0.01	0	0	0	0.01	-0.2	0.48	138	-10	40	-0.5	-2	1.92	-0.5	5	3	3	1.76	-10	-1	0.19	10	0.42	264	-1	0.06	4	380	-2	0.29	-2	1	52	-20
I767490	58.00	59.00	1.00	QFP	I767490	0.01	0	0	0	0.01	-0.2	0.4	43	-10	50	-0.5	-2	2	-0.5	5	3	2	1.62	-10	-1	0.2	10	0.39	245	-1	0.06	2	370	-2	0.21	-2	-1	53	-20
I767491	59.00	60.00	1.00	QFP	I767491	0.01	0	0	0	0.01	-0.2	0.41	87	-10	50	-0.5	-2	2.02	-0.5	6	3	1	1.6	-10	-1	0.21	10	0.42	257	-1	0.06	2	370	-2	0.26	-2	1	55	-20
I767492	60.00	61.00	1.00	QFP	I767492	0.01	0	0	0	0.01	-0.2	0.4	32	-10	50	-0.5	-2	2	-0.5	5	3	-1	1.66	-10	-1	0.19	10	0.43	268	-1	0.06	2	370	-2	0.29	-2	1	50	-20
I767493	61.00	62.00	1.00	QFP	I767493	0.01	0	0	0	0.01	-0.2	0.41	17	-10	50	-0.5	-2	2.12	-0.5	4	3	5	1.68	-10	-1	0.2	10	0.42	287	-1	0.06	5	390	2	0.15	-2	1	56	-20
I767494	62.00	63.00	1.00	QFP	I767494	0.01	0	0	0	0.01	-0.2	0.4	191	-10	50	-0.5	-2	2.25	-0.5	4	2	36	1.58	-10	-1	0.21	10	0.42	340	-1	0.06	3	370	6	0.29	-2	-1	56	-20
I767495	63.00	64.00	1.00	QFP	I767495	0.01	0	0	0	0.01	-0.2	0.43	88	-10	50	-0.5	-2	2.38	-0.5	3	2	23	1.36	-10	-1	0.23	10	0.31	374	-1	0.05	3	390	2	0.3	-2	-1	55	-20
I767496	64.00	64.70	0.70	QFP	I767496	0.08	0	0	0	0.08	-0.2	0.48	56	-10	40	-0.5	-2	2.46	-0.5	6	2	25	1.66	-10	-1	0.23	10	0.38	408	-1	0.05	2	390	2	0.64	-2	-1	54	-20
I767497	64.70	65.50	0.80	QFP	I767497	0.01	0	0	0	0.01	-0.2	0.7	35	-10	40	-0.5	-2	1.87	-0.5	4	2	13	1.67	-10	-1	0.21	10	0.4	308	-1	0.05	3	380	2	0.28	-2	-1	56	-20
I767498	65.50	66.50	1.00	QFP	I767498	0.96	0	0	0	0.96	0.2	0.79	40	-10	40	-0.5	-2	2.07	-0.5	5	5	13	1.88	-10	-1	0.2	10	0.33	292	-1	0.04	5	370	5	0.72	-2	-1	62	-20
I767499	66.50	66.50	0.00	Blank	I767499	-0.01	0	0	0	0	-0.2	1.54	-2	-10	30	-0.5	2	3.52	-0.5	11	22	1	3.25	10	-1	0.1	30	1.13	532	-1	0.08	15	810	-2	0.03	-2	6	67	-20
I767500	66.50	66.50	0.00	Standard-H																																			
I147001	66.50	67.50	1.00	QFP																																			
I147002	67.50	68.50	1.00	QFP	I147002	0.03	0	0	0	0.03	-0.2	0.73	48	-10	40	-0.5	-2	2.39	-0.5	4	2	6	1.48	-10	-1	0.17	10	0.41	264	-1	0.03	3	360	-2	0.23	-2	-1	54	-20
I147003	68.50	69.50	1.00	QFP	I147003	0.02	0	0	0	0.02	-0.2	0.6	16	-10	40	-0.5	-2	2.44	-0.5	4	2	5	1.35	-10	-1	0.17	10	0.36	272	-1	0.03	3	360	-2	0.15	-2	-1	64	-20
I147004	69.50	70.20	0.70	QFP	I147004	0.01	0	0	0	0.01	-0.2	0.58	14	-10	50	-0.5	-2	2.48	-0.5	5	2	10	1.32	-10	-1	0.22	10	0.42	293	-1	0.04	4	330	-2	0.04	-2	-1	44	-20
I147005	70.20	71.00	0.80	Shoulder	I147005	-0.01	0	0	0	0	-0.2	1.42	5	-10	30	-0.5	-2	2.86	-0.5	9	10	9	2.88	-10	1	0.14	20	0.9	397	-1	0.03	14	700	-2	0.11	-2	1	64	-20
I147006	83.00	84.15	1.15	Local carbonate-pyrite stringers	I147006	0.05	0	0	0	0.05	0.2	1.14	33	-10	50	-0.5	-2	2.02	-0.5	10	13	30	2.35	-10	-1	0.16	20	0.72	451	-1	0.03	13	710	-2	0.33	-2	2	54	-20
I147007	121.30	122.30	1.00	Shoulder	I147007	0.01	0	0	0	0.01	-0.2	1.52	18	-10	50	-0.5	-2	2.29	-0.5	9	14	5	2.95	10	1	0.15	30	0.93	537	1	0.04	17	720	-2	0.02	-2	3	71	-20
I147008	122.30	122.80	0.50	1cm-thick pyrite-carbonate veinlet	I147008	1.14	0	0	0	1.14	1.5	1	199	-10	60	-0.5	2	2.71	1.3	13	10	195	3.4	-10	-1	0.22	20	0.57	375	-1	0.02	12	680	5	1.82	-2	2	33	-20
I147009	122.80	123.35	0.55	Shoulder	I147009	0.01	0	0	0	0.01	-0.2	1.24	16	-10	50	-0.5	-2	1.82	-0.5	9	15	10	2.37	-10	1	0.16	20	0.73	408	1	0.03	13	720	-2	0.02	-2	2	68	-20
I147010	137.70	138.50	0.80	Shoulder	I147010	0.01	0	0	0	0.01	0.2	1.21	16	-10	60	-0.5	-2	1.6	-0.5	10	16	56	2.41	-10	-1	0.19	30	0.78	388	1	0.04	14	730	-2	0.15	-2	2	60	-20
I147011	138.50	139.00	0.50	3cm-thick quartz-pyrite vein; 3-4% pyrite	I147011	1.88	0	0	0	1.88	1.3	1.08	31	-10	70	-0.5	8	1.31	-0.5	8	15	240	2.88	-10	-1	0.21	20	0.66	368	5	0.03	13	700	2	0.96	-2	2	36	-20
I147012	139.00	140.00	1.00	Shoulder	I147012	-0.01	0	0	0	0	0.2	1.3	15	-10	70	-0.5	-2	1.1	-0.5	11	16	14	2.29	-10	1	0.29	30	0.83	361	1	0.05	14	710	-2	0.01	-2	3	77	-20
I147013	147.50	148.15	0.65	Shoulder	I147013	-0.01	0	0	0	0	-0.2	1.19	15	-10	60	-0.5	-2	1.96	-0.5	9	12	15	2.44	-10	-1	0.18	30	0.69	401	1	0.03	12	710	-2	0.02	-2	1	42	-20
I147014	148.15	148.85	0.70	Small shear zone; tr pyrite	I147014	0.01	0	0	0	0.01	-0.2	1.54	19	-10	60	-0.5	-2	2.42	-0.5	11	10	116	3.34	10	1	0.18	30	0.91	529	1	0.04	10	1100	-2	0.06	-2	2	69	-20
I147015	148.85	150.00	1.15	Shoulder	I147015	0.01	0	0	0	0.01	-0.2	1.34	17	-10	50	-0.5	-2	2.12	-0.5	11	13	26	2.86	-10	-1	0.16	30	0.82	459	1	0.04	12	880	-2	0.02	-2	2	63	-20
I147016	150.00	151.50	1.50		I147016	-0.01	0	0	0	0	-0.2	1.35	17	-10	60	-0.5	-2	1.95	-0.5	10	16	16	2.62	10	-1	0.15	30	0.81	443	3	0.05	15	730	-2	0.02	-2	3	88	-20
I147017	151.50	152.35	0.85	Local pyrite stringer	I147017	0.01	0	0	0	0.01	-0.2	1.24	14	-10	60	-0.5	-2	2.02	-0.5	10	16	13	2.68	-10	-1	0.15	30	0.77	454	-1	0.04	13	760	-2	0.09	-2	3	66	-20
I147018	152.35	153.75	1.40		I147018	-0.01	0	0	0	0	-0.2	1.32	12	-10	50	-0.5	-2	1.31	-0.5	9	18	13	2.5	10	-1	0.13	30	0.84	400	-1	0.05	14	740	-2	0.02	-2	3	81	-20
I147019	153.75	154.25	0.50	Local chlorite-pyrite veinlet	I147019	0.01	0	0	0	0.01	0.3	1.16	11	-10	50	-0.5	-2	1.43	-0.5	11	15	57	2.4	-10	-1	0.12	20	0.73	360	-1	0.04	13	660	-2	0.24	-2	2	67	-20
I147020	154.25	155.25	1.00	Shoulder	I147020	-0.01	0	0	0	0	-0.2	1.23	15	-10	50	-0.5	-2	2.23	-0.5	10	16	15	2.56	-10	-1	0.15	30	0.77	437	1	0.03	13	750	-2	0.07	-2	2	70	-20
I147021	160.85	161.50	0.65	Shoulder	I147021	0.01	0	0	0	0.01	0.3	1.04	11	-10	60	-0.5	-2	2.17	-0.5	8	14	27	2.51	-10	-1	0.21	30	0.65	441	1	0.04	12	700	-2	0.13	-2	2	47	-20
I147022	161.50	162.00	0.50	3cm-thick quartz-pyrite-chlorite vein; 5% pyrite	I147022	1.91	0	0	0	1.91	1.1	0.79	63	-10	60	-0.5	3	2.21	-0.5	10	10	76	2.75	-10	-1	0.23	20	0.45	350	1	0.02	10	660	3	1.57	-2	1	39	-20
I147023	162.00	162.90	0.90	Shoulder	I147023	-0.01	0	0	0	0	-0.2	1.07	7	-10	60	-0.5	-2	2.46	-0.5	10	16	16	2.51	-10	-1	0.18	30	0.69	445	1	0.04	13	720	-2	0.1	-2	2	57	-20
I147024	162.90	162.90	0.00	Blank	I147024	-0.01	0	0	0	0	-0.2	1.33	2	-10	40	-0.5	-2	3.24	-0.5	10	17	-1	2.91	-10	-1	0.1	30	1	470	5	0.06	13	730	-2	0.02	-2	5	72	-20
I147025	162.90	162.90	0.00	Standard-L																																			
I147026	172.00	172.60	0.60	Shoulder	I147026	-0.01	0	0	0	0	-0.2	1.25	4	-10	50	-0.5	-2	2.3	-0.5	9	14	14	2.7	-10	-1	0.13	30	0.71	388	1	0.04	12	670	-2	0.12	-2	2	96	-20
I147027	172.60	173.25	0.65	tr-1% pyrite	I147027	0.01	0	0	0	0.01	0.3	1.65	16	-10	40	-0.5	-2	2.7	-0.5	13	20	25	4.18	10	-1	0.11	40	1	487	1	0.04	18	790	-2	0.81	-2	5	76	-20
I147028	173.25	174.00	0.75	Shoulder	I147028	-0.01	0	0	0	0	-0.2	1.34	2	-10	50	-0.5	-2	2.63	-0.5	9	15	4	2.81	-10	-1	0.15	30	0.73	457	1	0.05	13	670	-2	0.05	-2	2	89	-20
I147029	178.45	179.45	1.00		I147029	0.01	0	0	0	0.01	-0.2	1.37	7	-10	40	-0.5	-2	2.74	-0.5	9	15	8	2.83	-10	-1	0.11	30	0.77	410	1	0.03	13	670	-2	0.13	-2	2	89	-20
I147030	179.45	180.10	0.65	Sheared zone	I147030	0.45	0	0	0	0.45	0.3	1.3	19	-10	40	-0.5	3	1.98	-0.5	12	6	18	3.37	-10	-1	0.18	20	0.91	353	1	0.02	12	660	-2	0.7	-2	1	32	-20
I147031	180.10	180.65	0.55	Sheared(?)	I147031	-0.01	0	0	0	0	-0.2	1.31	6	-10	40	-0.5	-2	2.14	-0.5	9	9	14	2.73	-10	-1	0.17	20	0.68	342	-1	0.03	11	690	-2	0.17	-2	1	51	-20
I147032	180.65	181.50	0.85		I147032	-0.01	0	0	0	0	-0.2	1.42	8	-10	40	-0.5	-2	1.93	-0.5	10	12	12	2.9	-10	-1	0.14	20	0.77	346	1	0.03	13	700	-2	0.2	-2	1	41	-20
I147033	181.50	182.30	0.80		I147033	-0.01	0	0	0	0	-0.2	1.42	5	-10	40	-0.5	-2	1.07	-0.5	9	11	12	2.95	-10	-1	0.12	20	0.79	236	-1	0.03	13	660	-2	0.2	-2	1	27	-20
I147034	182.30	183.00	0.70		I147034	0.01	0	0	0	0.01	-0.2	1.39	8	-10	40	-0.5	-2	2.66	-0.5	9	9	15	2.76	-10	-1	0.15	20	0.74	372	1	0.03	12	660	-2	0.19	-2	1	71	-20
I147035	183.00	183.90	0.90		I147035	0.01	0	0	0	0.01	-0.2	1.39	11	-10	40	-0.5	-2	2.99	-0.5	8	8	47	2.9	-10	1	0.17	20	0.8	379	-1	0.03	12	660	-2	0.33	-2	1	64	-20
I147036	183.90	184.60	0.70	Sheared(?)	I147036	0.01	0	0	0	0.01	-0.2	1.14	15	-10	30	-0.5	-2	2.76	-0.5	8	5	46	2.5	-10	1	0.19	20	0.66	379	-1	0.01	11	670	-2	0.33	-2	1	63	-20
I147037	184.60	185.30	0.70	Sheared(?)	I147037	0.10	0	0	0	0.1	0.3	1.62	61	-10	40	-0.5	2	2.41	-0.5	17	4	163	4.55	-10	-1	0.22	10	0.7	324	1	0.01	22	780	6	1.7	-2	1	67	-20
I147038	185.30	185.85	0.55	Sheared(?)	I147038	0.01	0	0	0	0.01	0.2	1.13	34	-10	30	-0.5	2	3.61	-0.5	10	4	60	3.07	-10	-1	0.16	10	0.56	407	-1	0.01	13	680	-2	0.95	-2	1	90	-20
I147039	185.85	186.70	0.85		I147039	0.02	0	0	0	0.02	0.4	1.52	37	-10	30	-0.5	2	2.75	-0.5	10	8	96	3.58	-10	-1	0.18	10	0.71	355	-1	0.02	14	760	3	0.84	-2	1	54	-20
I147040	186.70	187.70	1.00		I147040	0.02	0	0	0	0.02	0.6	1.4	179	-10	30	-0.5	3	2.98	-0.5	12	6	128	3.43	-10	1	0.15	10	0.7	381	-1	0.02	12	620	3	0.83	-2	1	60	-20
I147041	187.70	188.50	0.80	QFP	I147041	0.03	0	0	0	0.03	0.8	0.88	264	-10	40	-0.5	4	1.71	-0.5	5	1	81	1.79	-10	-1	0.2	-10	0.43	247	-1	0.02	5	350	-2	0.49	-2	-1	34	-20
I147042	188.50	189.00	0.50	QFP	I147042	0.20	0	0	0	0.2	0.5	0.79	56	-10	40	-0.5	2	2.02	-0.5	5	1	73	1.96	-10	-1	0.23	-10	0.31	278	-1	0.03	4	340	-2	0.9	-2	-1	46	-20
I147043	189.00	190.00	1.00	QFP	I147043	0.03	0	0	0	0.03	0.2	0.76	277	-10	40	-0.5	-2	2.22	-0.5	5	1	57	1.59	-10	-1	0.18	-10	0.35	281	-1	0.02	5	350	-2	0.39	-2	-1	52	-20
I147044	190.00	191.00	1.00	QFP	I147044	0.02	0	0	0	0.02	0.3	0.82	92	-10	40	-0.5	3	2	-0.5	5	1	64	1.7	-10	1	0.18	10	0.36	223	-1	0.03	5	360	-2	0.44	-2	-1	40	-20
I147045	191.00	192.00	1.00	QFP	I147045	0.01	0	0	0	0.01	0.5	0.77	17	-10	50	-0.5	3	2.37	-0.5	6	2	117	1.65	-10	-1	0.19	10	0.3	208	-1	0.03	4	350	-2	0.47	-2	-1	51	-20
I147046	192.00	193.00	1.00	QFP	I147046	0.01	0	0	0	0.01	0.5	0.71	26	-10	40	-0.5	2	1.8	-0.5	6	2	61	1.63	-10	-1	0.17	10	0.31	189	-1	0.03	5	360	-2	0.55	-2	-1	42	-20
I147047	193.00	194.00	1.00	QFP	I147047	0.01	0	0	0	0.01	0.3	0.8	21	-10	50	-0.5	2	1.91	-0.5	7	2	54	1.79	-10	1	0.19	10	0.35	199	-1	0.04	4	350	-2	0.52	-2	-1	52	-20
I147048	194.00	195.00	1.00	QFP	I147048	0.08	0	0	0	0.08	0.4	0.78	25	-10	40	-0.5	-2	1.63	-0.5	6	2	52	1.73	-10	1	0.17	10	0.41	192	-1	0.02	5	360	-2	0.5	-2	-1	49	-20
I147049	195.00	195.00	0.00	Blank	I147049	-0.01	0	0	0	0	-0.2	1.22	2	-10	40	-0.5	-2	2.2	-0.5	9	17	-1	2.74	-10	-1	0.1	30	0.93	415	-1	0.05	13	710	-2	0.02	-2	5	48	-20
I147050	195.00	195.00	0.00	Standard-H																																			
I147051	195.00	196.00	1.00	QFP																																			
I147052	196.00	196.85	0.85	QFP	I147052	0.18	0	0	0	0.18	0.3	0.75	33	-10	40	-0.5	2	1.81	-0.5	6	2	55	1.69	-10	1	0.18	10	0.33	171	-1	0.03	4	360	-2	0.47	-2	-1	60	-20
I147053	196.85	197.35	0.50	QFP	I147053	0.01	0	0	0	0.01	0.3	0.75	60	-10	40	-0.5	-2	2.13	-0.5	6	2	49	1.6	-10	-1	0.17	10	0.34	168	-1	0.02	4	370	-2	0.36	-2	-1	65	-20
I147054	197.35	198.40	1.05	QFP	I147054	0.01	0	0	0	0.01	0.3	0.78	24	-10	40	-0.5	-2	1.81	-0.5	6	2	47	1.69	-10	-1	0.15	10	0.38	167	-1	0.03	5	360	-2	0.38	-2	-1	50	-20
I147055	198.40	199.40	1.00	QFP	I147055	0.08	0	0	0	0.08	0.3	0.73	24	-10	40	-0.5	-2	1.86	-0.5	6	2	56	1.72	-10	-1	0.17	10	0.34	215	-1	0.03	4	360	-2	0.53	-2	-1	58	-20
I147056	199.40	200.00	0.60	QFP + quartz vein	I147056	0.56	0	0	0	0.56	0.3	0.71	25	-10	40	-0.5	-2	1.47	-0.5	6	2	54	1.83	-10	-1	0.16	-10	0.33	191	-1	0.02	4	510	-2	0.67	-2	-1	43	-20
I147057	200.00	201.30	1.30	QFP	I147057	0.03	0	0	0	0.03	0.3	0.78	154	-10	40	-0.5	2	2.05	-0.5	7	2	50	1.6	-10	-1	0.2	10	0.35	236	-1	0.02	4	400	-2	0.34	-2	-1	66	-20
I147058	201.30	202.00	0.70	QFP	I147058	0.29	0	0	0	0.29	0.5	0.67	210	-10	40	-0.5	10	2.3	-0.5	6	2	59	1.55	-10	-1	0.18	-10	0.28	228	-1	0.02	4	360	-2	0.52	-2	-1	76	-20
I147059	202.00	203.00	1.00	QFP	I147059	0.02	0	0	0	0.02	0.5	0.7	22	-10	40	-0.5	6	2.42	-0.5	6	2	62	1.57	-10	-1	0.17	10	0.31	238	-1	0.03	4	360	-2	0.46	-2	-1	74	-20
I147060	203.00	204.00	1.00	QFP	I147060	0.17	0	0	0	0.17	0.4	0.71	29	-10	40	-0.5	2	2.2	-0.5	6	2	63	1.68	-10	1	0.19	10	0.32	254	-1	0.03	4	350	-2	0.65	-2	-1	69	-20
I147061	204.00	205.00	1.00	QFP	I147061	0.01	0	0	0	0.01	2.9	0.72	25	-10	40	-0.5	2	2.15	-0.5	6	2	61	1.56	-10	-1	0.17	10	0.32	213	-1	0.03	4	360	-2	0.37	-2	-1	64	-20
I147062	205.00	206.00	1.00	QFP	I147062	0.10	0	0	0	0.1	1	0.83	66	-10	40	-0.5	7	2.3	-0.5	6	2	56	1.8	-10	-1	0.16	10	0.41	288	1	0.02	4	350	-2	0.31	-2	-1	56	-20
I147063	206.00	207.00	1.00	QFP	I147063	0.38	0	0	0	0.38	0.7	0.71	34	-10	40	-0.5	3	1.81	0.7	5	2	141	1.75	-10	-1	0.19	-10	0.32	251	-1	0.03	4	420	-2	0.75	-2	-1	58	-20
I147064	207.00	208.00	1.00	QFP	I147064	0.14	0	0	0	0.14	0.3	0.67	22	-10	40	-0.5	2	2.1	-0.5	5	2	51	1.61	-10	-1	0.18	10	0.29	252	-1	0.03	3	350	-2	0.58	-2	-1	62	-20

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357772 N, NAD83	AZIMUTH:	75
HOLE NO:	CAR-49-2010	EASTING:	451470 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	293m
START DATE:		Line 5+25E; Station 1+25N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	13,50	13,50	OB																	Casing/Overburden
13,50	293,00	279,50																		Granite
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Some zones are pervasively altered into silica-carbonate-sericite; grey color and local pyrite along micro-fractures (15TCA)
24,97	25,00																			A 3cm-thick quartz-chlorite vein; 70TCA
34,12	54,10																			Silica-carbonate-sericite alteration zone (medium-grey color); few carbonate tension fractures associated
34,27	34,29																			A 2cm-thick quartz vein; 25TCA
43,31	43,34																			A 2cm-thick carbonate-quartz vein; 60TCA
47,53	47,60																			A 3cm-thick carbonate-chlorite-quartz vein; 25TCA
49,32	49,38																			A 1cm-thick, down-dip chlorite-carbonate-(pyrite) vein; 1-2% cubic pyrite
49,57	49,80																			A 1cm-thick carbonate-chlorite-(pyrite) vein; 10TCA; tr-1% pyrite
50,92	50,93																			A 0.5cm-thick quartz vein (35TCA) + 1% disseminated pyrite along the edges
52,63	52,65																			A 1cm-thick chlorite-carbonate-(pyrite) vein; 30TCA
74,80	75,60																			Pervasive silica-carbonate-sericite alteration zone
75,34	75,35																			A chlorite-pyrite stringer; 20TCA
75,60	76,16																			Down-dip aplite(?) dyke or fine-grained granite dyke
79,13	79,14																			A 1cm-thick pyrite vein with a 5cm-wide silica-carbonate-sericite alteration zone associated; 50TCA
84,53	84,55																			A 2cm-thick quartz-carbonate vein; 60TCA
84,80	85,65																			Silica-sericite-carbonate alteration zone including pyrite-carbonate veinlets (15TCA); 1-2% pyrite
87,57	87,90																			A 10cm-thick quartz-pyrite vein; 25TCA; up to 5% pyrite
89,35	91,00																			Silica-carbonate-(sericite) alteration zone (contacts are gradational); including few mineralized zones
89,62	89,64																			A 2cm-thick quartz-pyrite vein; 50TCA; 3-4% pyrite
90,30	90,31																			A 0.5cm-thick carbonate-pyrite veinlet; 20TCA; 1% pyrite
97,99	98,02																			A 3cm-thick quartz vein; 60TCA
109,98	110,03																			A 4cm-thick quartz-chlorite vein; 60TCA
115,89	115,93																			A 3cm-thick quartz-chlorite vein; 60TCA
120,00	130,30																			Carbonate alteration zone (light grey color). Contacts are gradational
120,94	120,95																			A 1cm-thick quartz vein; 35TCA
128,67	128,72																			A 5cm-thick quartz vein; 70TCA
128,72	128,96																			Mafic dyke; 70TCA
142,67	142,69																			A 2cm-thick quartz vein; 60TCA
146,68	146,70																			A 1cm-thick quartz vein; 20TCA
150,17	150,19																			A 2cm-thick quartz-chlorite vein; 50TCA
162,40	163,45																			Sericite/chlorite-silica-carbonate alteration zone (grey color); including 1% disseminated pyrite

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357772 N, NAD83	AZIMUTH:	75
HOLE NO:	CAR-49-2010	EASTING:	451470 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	293m
START DATE:		Line 5+25E; Station 1+25N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
162,91	162,93																			A 1cm-thick carbonate-chlorite-(pyrite) vein; 20TCA
174,65	177,85																			Pervasive carbonate-silica alteration zone (medium grey color)
176,50	176,55																			A 3cm-thick quartz-pyrite vein/breccia vein (60TCA). Semi-massive pyrite as fine grains in matrix and coarse grains
181,95	183,55																			Weak to moderate silica-carbonate alteration zone (medium grey color)
182,26	182,42																			A 2cm-thick quartz-pyrite vein; 10TCA; 5% pyrite as coarse grains
183,72	183,75																			A 2cm-thick quartz-carbonate vein; 80TCA
184,62	184,65																			A 3cm-thick quartz-chlorite vein; 60TCA
187,60	187,61																			A 1cm-thick quartz-(tourmaline?) vein; 80TCA
189,28	189,34																			A 5cm-thick quartz vein; 45TCA
189,48	189,50																			A 2cm-thick quartz-carbonate-chlorite; 70TCA
191,00	193,00																			Down-dip QFP dyke (locally weak hematization); light pinkish color
193,26	193,76																			Down-dip QFP dyke (locally weak hematization); light pinkish color
194,00	195,30																			Down-dip syenite dyke (fine-grained) + sericite
203,60	204,22																			Down-dip syenite dyke including tr euhedral pyrite
211,40	212,65																			Weak carbonate-silica alteration zone including local chlorite-carbonate cm-thick veinlets
230,28	230,56																			Syenite dyke + sericite along micro-fractures
236,47	236,49																			A 2cm-thick quartz-carbonate vein; 80TCA
237,23	237,25																			A 2cm-thick quartz-carbonate-(chlorite) vein; 80TCA
243,70	243,92																			Down-dip aplite dyke
250,30	250,75																			Weak silica-carbonate alteration zone including pluri-mm thick quartz veinlets; 15TCA; tr chalcopyrite
256,36	258,32																			Weak hematite-silica alteration zone (dark pinkish grey color); locally tr pyrite
260,35	261,60																			QFP dyke; 25TCA; tr-1% disseminated pyrite
262,10	262,85																			QFP dyke; 15TCA; tr-1% disseminated pyrite
264,10	264,54																			QFP dyke; 10TCA; tr-1% disseminated pyrite
264,70	264,73																			A 3cm-thick quartz vein; 80TCA
269,90	270,00																			Quartz vein; 75TCA
279,22	279,24																			Quartz vein; 60TCA
287,08	287,09																			A 1cm-thick quartz vein; 65TCA
290,76	290,77																			A 1cm-thick quartz vein; 75TCA
293,00	**EOH**																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357772 N, NAD83	**AZIMUTH:**	75.00
HOLE NO:	CAR-49-2010	**EASTING:**	451470 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	293m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment
I147171	47.30	48.00	0.70	Quartz-chlorite-carbonate vein
I147172	48.00	49.00	1.00	
I147173	49.00	49.85	0.85	Local chlorite-carbonate-pyrite vein
I147174	49.85	49.85	0.00	Blank
I147175	49.85	49.85	0.00	Standard-L
I147176	49.85	50.60	0.75	
I147177	50.60	51.10	0.50	Tr-1% pyrite along quartz veinlet
I147178	51.10	52.00	0.90	
I147179	52.00	53.00	1.00	
I147180	74.25	74.80	0.55	Shoulder
I147181	74.80	75.60	0.80	Local pyrite stringers
I147182	75.60	76.40	0.80	Shoulder
I147183	78.50	79.00	0.50	Shoulder
I147184	79.00	79.50	0.50	Local pyrite vein
I147185	79.50	80.00	0.50	Shoulder
I147186	84.00	84.80	0.80	Shoulder
I147187	84.80	85.65	0.85	Local pyrite veinlet
I147188	85.65	86.50	0.85	Shoulder
I147189	86.50	87.40	0.90	
I147190	87.40	88.05	0.65	A 10cm-thick quartz-pyrite vein
I147191	88.05	89.35	1.30	Shoulder
I147192	89.35	90.20	0.85	Local quartz-pyrite vein
I147193	90.20	91.00	0.80	Shoulder
I147194	161.40	162.40	1.00	Shoulder
I147195	162.40	163.45	1.05	1% disseminated pyrite
I147196	163.45	164.45	1.00	Shoulder
I147197	175.50	176.20	0.70	Shoulder
I147198	176.20	176.70	0.50	3cm-thick quartz-pyrite vein (semi-massive pyrite)
I147199	176.70	176.70	0.00	Blank
I147200	176.70	176.70	0.00	Standard-H
I147201	176.70	177.85	1.15	
I147202	191.00	192.00	1.00	QFP; hematized
I147203	192.00	193.00	1.00	QFP
I147204	193.00	194.00	1.00	Syenite dyke
I147205	194.00	194.70	0.70	Syenite dyke
I147206	194.70	195.30	0.60	Syenite dyke
I147207	195.30	196.00	0.70	Shoulder
I147208	181.50	182.15	0.65	Shoulder
I147209	182.15	182.65	0.50	Low-angle quartz-pyrite vein (3cm-thick)
I147210	182.65	183.55	0.90	Shoulder
I147211	203.60	204.25	0.65	Down-dip syenite dyke; tr pyrite
I147212	229.60	230.10	0.50	Shoulder
I147213	230.10	230.60	0.50	Syenite dyke
I147214	230.60	231.10	0.50	Shoulder
I147215	259.50	260.35	0.85	Shoulder
I147216	260.35	261.60	1.25	QFP
I147217	261.60	262.10	0.50	Shoulder
I147218	262.10	262.85	0.75	QFP
I147219	262.85	264.10	1.25	Shoulder
I147220	264.10	264.60	0.50	QFP
I147221	264.60	265.50	0.90	Shoulder

Assay Results

SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
I147171	0.01	0	0	0	0.01	-0.2	1.1	5	-10	60	-0.5	-2	3.14	-0.5	8	12	26
I147172	0.04	0	0	0	0.04	-0.2	1.13	4	-10	60	-0.5	-2	2.3	-0.5	7	12	17
I147173	0.01	0	0	0	0.01	-0.2	1.1	11	-10	60	-0.5	-2	2.57	-0.5	10	9	77
I147174	0.01	0	0	0	0.01	-0.2	2.07	-2	-10	30	-0.5	2	1.24	-0.5	19	40	-1
I147177	0.02	0	0	0	0.02	-0.2	1.12	5	-10	50	-0.5	-2	1.83	-0.5	7	11	102
I147178	0.01	0	0	0	0.01	-0.2	1.25	6	-10	50	-0.5	-2	2.44	-0.5	9	14	47
I147179	0.01	0	0	0	0.01	-0.2	1.3	5	-10	50	-0.5	-2	2.35	-0.5	9	14	37
I147180	-0.01	0	0	0	0	-0.2	1.29	-2	-10	70	-0.5	-2	1.18	-0.5	9	14	5
I147181	0.57	0	0	0	0.57	0.2	1.12	4	-10	60	-0.5	-2	2.05	-0.5	10	10	39
I147182	-0.01	0	0	0	0	-0.2	1.13	2	-10	80	-0.5	-2	1.24	-0.5	7	12	4
I147183	-0.01	0	0	0	0	-0.2	1.32	2	-10	70	-0.5	-2	0.93	-0.5	10	15	7
I147184	0.68	0	0	0	0.68	0.5	1.26	4	-10	70	-0.5	-2	1.34	-0.5	11	14	43
I147185	-0.01	0	0	0	0	-0.2	1.3	-2	-10	60	-0.5	-2	1.13	-0.5	9	13	17
I147186	-0.01	0	0	0	0	-0.2	1.35	3	-10	50	-0.5	-2	1.61	-0.5	9	16	22
I147187	0.11	0	0	0	0.11	-0.2	1.14	16	-10	60	-0.5	-2	1.63	-0.5	13	11	54
I147188	-0.01	0	0	0	0	-0.2	1.69	4	-10	50	-0.5	-2	1.47	-0.5	13	19	33
I147189	-0.01	0	0	0	0	-0.2	1.29	-2	-10	40	-0.5	-2	1.45	-0.5	9	15	17
I147190	1.75	0	0	0	1.75	1.1	0.67	72	-10	50	-0.5	3	1.53	-0.5	8	10	155
I147191	-0.01	0	0	0	0	-0.2	1.23	2	-10	50	-0.5	-2	1.91	-0.5	8	15	18
I147192	0.15	0	0	0	0.15	-0.2	1.03	12	-10	80	-0.5	-2	2.35	-0.5	9	10	30
I147193	0.01	0	0	0	0.01	-0.2	1.01	6	-10	60	-0.5	-2	2.19	-0.5	7	12	32
I147194	0.05	0	0	0	0.05	-0.2	1.22	3	-10	50	-0.5	-2	2.15	-0.5	9	13	10
I147195	0.14	0	0	0	0.14	0.2	1.12	5	-10	70	-0.5	-2	2.37	-0.5	9	10	68
I147196	-0.01	0	0	0	0	-0.2	1.12	3	-10	50	-0.5	-2	1.28	-0.5	7	13	9
I147197	-0.01	0	0	0	0	-0.2	1.11	2	-10	60	-0.5	-2	2.16	-0.5	9	13	16
I147198	2.80	0	0	0	2.8	2.5	0.9	47	-10	60	-0.5	12	2.59	-0.5	9	10	100
I147199	-0.01	0	0	0	0	-0.2	2.1	4	-10	30	-0.5	-2	0.74	-0.5	19	39	-1
I147202	0.01	0	0	0	0.01	-0.2	0.4	-2	-10	40	-0.5	-2	1.61	-0.5	2	7	25
I147203	0.01	0	0	0	0.01	0.2	0.66	4	-10	60	-0.5	-2	1.35	-0.5	6	8	13
I147204	0.01	0	0	0	0.01	-0.2	0.99	5	-10	60	-0.5	-2	1.41	-0.5	8	12	25
I147205	0.01	0	0	0	0.01	-0.2	0.46	3	-10	30	-0.5	-2	0.92	-0.5	4	8	13
I147206	0.01	0	0	0	0.01	-0.2	0.28	5	-10	50	-0.5	-2	0.91	-0.5	3	4	32
I147207	0.01	0	0	0	0.01	-0.2	1.2	5	-10	50	-0.5	-2	1.84	-0.5	9	13	48
I147208	0.02	0	0	0	0.02	-0.2	1.14	3	-10	50	-0.5	-2	1.46	-0.5	9	12	10
I147209	0.98	0	0	0	0.98	0.5	0.93	32	-10	60	-0.5	2	2.11	-0.5	9	10	133
I147210	0.01	0	0	0	0.01	-0.2	1.07	-2	-10	60	-0.5	-2	2.1	-0.5	9	12	13
I147211	0.01	0	0	0	0.01	0.5	0.9	4	-10	50	-0.5	-2	1.2	-0.5	7	11	15
I147212	0.01	0	0	0	0.01	-0.2	1.21	2	-10	60	-0.5	-2	3.02	-0.5	9	13	15
I147213	0.01	0	0	0	0.01	0.3	0.88	2	-10	50	-0.5	-2	1.94	-0.5	6	9	26
I147214	0.01	0	0	0	0.01	-0.2	1.4	-2	-10	50	-0.5	-2	2.15	-0.5	11	15	40
I147215	0.01	0	0	0	0.01	-0.2	1.18	2	-10	40	-0.5	-2	1.69	-0.5	9	17	5
I147216	0.01	0	0	0	0.01	-0.2	0.82	2	-10	30	-0.5	-2	1.6	-0.5	6	9	4
I147217	0.01	0	0	0	0.01	-0.2	1.08	2	-10	60	-0.5	-2	1.42	-0.5	8	12	3
I147218	0.02	0	0	0	0.02	0.3	0.72	3	-10	40	-0.5	-2	1.22	-0.5	9	23	13
I147219	0.01	0	0	0	0.01	-0.2	1.18	-2	-10	50	-0.5	-2	1.63	-0.5	9	17	3
I147220	-0.01	0	0	0	0	0.2	0.97	2	-10	40	-0.5	-2	1.55	-0.5	7	10	-1
I147221	-0.01	0	0	0	0	-0.2	1.38	-2	-10	40	-0.5	-2	2.49	-0.5	10	15	6

SAMPLE_	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147171	2.04	-10	1	0.21	20	0.53	384	-1	0.04	11	630	-2	0.09	-2	2	59	-20
I147172	2.09	-10	-1	0.22	30	0.55	366	-1	0.04	13	690	2	0.1	-2	2	52	-20
I147173	2.27	-10	-1	0.21	30	0.56	381	-1	0.03	13	650	-2	0.47	-2	2	48	-20
I147174	4.96	10	-1	0.06	20	2.29	542	-1	0.07	37	1600	-2	0.01	-2	9	38	-20
I147177	2.17	-10	-1	0.19	20	0.59	354	-1	0.03	13	670	-2	0.22	-2	2	43	-20
I147178	2.34	10	-1	0.19	30	0.66	394	-1	0.04	13	690	-2	0.12	-2	2	54	-20
I147179	2.36	-10	-1	0.2	30	0.68	364	-1	0.05	13	680	-2	0.12	-2	2	57	-20
I147180	2.09	10	-1	0.4	30	0.75	336	-1	0.05	14	700	-2	0.02	-2	3	71	-20
I147181	2.29	10	-1	0.23	30	0.62	396	-1	0.04	12	660	-2	0.31	-2	2	51	-20
I147182	1.81	-10	1	0.4	20	0.6	296	-1	0.06	12	580	-2	0.02	-2	2	65	-20
I147183	1.99	-10	1	0.4	30	0.76	330	-1	0.05	15	690	-2	0.02	-2	3	84	-20
I147184	2.47	10	-1	0.3	20	0.65	345	-1	0.06	15	680	-2	0.66	-2	2	72	-20
I147185	2.06	-10	-1	0.31	20	0.76	345	-1	0.05	16	770	-2	0.04	-2	3	82	-20
I147186	2.24	10	-1	0.17	30	0.77	398	-1	0.06	15	680	-2	0.02	-2	3	83	-20
I147187	2.29	-10	-1	0.22	20	0.62	362	-1	0.04	14	740	-2	0.56	-2	3	46	-20
I147188	2.93	10	-1	0.28	20	1.07	487	-1	0.05	27	680	-2	0.05	-2	4	82	-20
I147189	2.17	-10	-1	0.15	20	0.75	381	-1	0.05	15	700	-2	0.02	-2	3	78	-20
I147190	2.3	-10	-1	0.23	20	0.3	283	-1	0.02	9	650	4	1.55	-2	1	38	-20
I147191	2.12	-10	-1	0.18	30	0.65	430	-1	0.04	14	730	-2	0.05	-2	2	73	-20
I147192	1.83	-10	-1	0.32	30	0.45	380	-1	0.03	12	720	-2	0.32	-2	1	55	-20
I147193	1.82	-10	-1	0.24	30	0.49	379	-1	0.03	13	700	-2	0.15	-2	1	63	-20
I147194	2.21	10	-1	0.16	20	0.68	411	-1	0.04	15	680	-2	0.04	-2	2	65	-20
I147195	2.17	-10	-1	0.23	20	0.57	402	-1	0.04	14	680	-2	0.31	-2	2	45	-20
I147196	1.99	-10	-1	0.17	20	0.6	311	-1	0.04	12	640	-2	0.04	-2	2	55	-20
I147197	1.98	-10	-1	0.2	30	0.58	378	-1	0.04	13	700	-2	0.03	-2	2	61	-20
I147198	2.41	-10	-1	0.22	20	0.46	395	-1	0.03	10	630	4	1.18	-2	1	56	-20
I147199	5.2	10	-1	0.07	20	2.31	530	-1	0.08	37	1590	-2	0.01	-2	9	19	-20
I147202	0.64	-10	-1	0.1	20	0.16	205	-1	0.05	2	180	-2	0.02	-2	1	55	-20
I147203	1.14	-10	-1	0.21	20	0.3	217	-1	0.05	7	310	-2	0.05	-2	1	32	-20
I147204	1.82	-10	1	0.2	30	0.55	298	-1	0.05	11	560	-2	0.02	-2	2	43	-20
I147205	0.9	-10	-1	0.1	20	0.21	147	-1	0.06	4	210	-2	0.02	-2	1	37	-20
I147206	0.45	-10	-1	0.18	20	0.06	107	-1	0.04	-1	100	2	0.08	-2	-1	18	-20
I147207	2.21	-10	1	0.14	20	0.71	359	-1	0.05	13	670	-2	0.03	-2	2	70	-20
I147208	1.99	10	-1	0.13	20	0.67	350	-1	0.05	15	640	3	0.02	-2	2	65	-20
I147209	2.34	-10	-1	0.2	20	0.52	384	-1	0.03	12	630	2	0.83	-2	1	46	-20
I147210	1.92	10	-1	0.17	20	0.62	406	-1	0.04	13	640	4	0.03	-2	2	57	-20
I147211	1.54	-10	-1	0.12	20	0.49	279	-1	0.06	11	470	6	0.02	-2	2	59	-20
I147212	2.17	-10	-1	0.18	20	0.68	501	-1	0.05	14	700	5	0.02	2	2	70	-20
I147213	1.67	-10	-1	0.15	20	0.48	346	1	0.05	11	490	6	0.02	-2	2	42	-20
I147214	2.5	10	-1	0.15	20	0.82	458	1	0.05	15	740	2	0.02	-2	3	61	-20
I147215	2.2	10	-1	0.12	30	0.7	349	1	0.05	14	700	-2	0.02	2	2	73	-20
I147216	1.51	-10	-1	0.1	10	0.44	272	-1	0.07	8	450	4	0.04	-2	2	53	-20
I147217	1.96	-10	-1	0.17	30	0.57	305	-1	0.06	11	630	3	0.04	-2	2	50	-20
I147218	1.44	-10	-1	0.12	10	0.37	225	-1	0.06	12	450	6	0.25	-2	1	33	-20
I147219	2.31	-10	-1	0.13	30	0.68	352	-1	0.05	15	720	3	0.02	-2	2	67	-20
I147220	1.8	-10	-1	0.14	20	0.52	311	-1	0.06	10	580	4	0.02	-2	2	56	-20
I147221	2.69	10	-1	0.13	30	0.79	459	-1	0.06	15	840	3	0.02	-2	3	94	-20

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357922 N, NAD83	**AZIMUTH:**	180
HOLE NO:	CAR-50-2010	**EASTING:**	452023 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	139m
START DATE:	May20th 2010	**Line 2+75N; Station 10+73E**		**CORE SIZE:**	NQ
FINISH DATE:	May 21st 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**18,50**	**18,50**	**OB**																	**Casing/Overburden**
18,50	**39,20**	**20,70**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Some weak carbonate alteration zones occur; giving the rock a light grey color
39,20	**57,10**	**17,90**																		**Shear zone**
																				Moderate to strong sheared zone including locally up to 5% pyrite (goethite is associated due to weathering); shear: 65TCA
39,43	39,49																			Quartz vein
43,38	43,48																			Up to 5% pyrite as veinlets; sub-parallel to shear
44,90	47,40																			Strong shear; partially broken core
45,70	45,71																			A 0.5cm-thick pyrite veinlet; sub-parallel to shear
47,40	57,10																			Moderate sheared zone with chlorite associated along shear plans. Hematization also occurs giving the rock a purple-ish color
57,10	**139,00**	**81,90**																		**Granite**
																				Idem as previous granite unit; carbonate-(±silica)-(±hematite) alteration zones occur, giving the rock a greyish color
65,27	65,29																			1cm-thick quartz vein; 15TCA
68,62	68,64																			1cm-thick carbonate vein; 15TCA
69,02	69,03																			A 1cm-thick pyrite-carbonate vein; 30TCA; 2-3% pyrite
69,60	70,00																			A 1cm-thick down-dip quartz vein
75,25	76,23																			Down-dip QFP dyke; weakly hematized
79,10	79,12																			A 2cm-thick quartz-carbonate-pyrite vein; 60TCA; 1-2% pyrite
82,40	82,49																			A 5cm-thick carbonate-chlorite vein; 40TCA
86,25	86,60																			QFP dyke; 15TCA; weakly hematized
92,06	92,12																			Quartz-carbonate-chlorite vein; 65TCA
93,23	93,39																			Tr-1% pyrite as stringer
98,13	101,39																			Down-dip and disrupted aplite dyke (2-3cm-thick) including local pyrite stringers
104,20	118,00																			Pervasive carbonate alteration zone including 1-2% disseminated pyrite
104,80	105,60																			Quartz-pyrite veinlets (at a 5 to 10cm interval; 25TCA); 2-3% pyrite
105,36	105,40																			Semi-massive pyrite vein (3cm-thick; 60TCA)
108,73	108,74																			A 1cm-thick semi-massive pyrite vein; 30TCA
109,68	109,69																			A 1cm-thick semi-massive pyrite vein; 30TCA
117,16	117,17																			A 1cm-thick semi-massive pyrite vein; 30TCA
120,00	124,70																			Hematite-carbonate alteration zone (purple-ish red color)
139,00	**EOH**																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357922 N, NAD83	**AZIMUTH:**	180.00
HOLE NO:	CAR-50-2010	**EASTING:**	452023 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	139m
START DATE:	May20th 2010			**CORE SIZE:**	NQ
FINISH DATE:	May 21st 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM
I147222	37.00	38.00	1.00	Shoulder	I147222	0.01	0	0	0	0.01	-0.2	1.19	4	-10	50	-0.5	-2	1.02
I147223	38.00	39.20	1.20	Shoulder	I147223	0.01	0	0	0	0.01	-0.2	1.32	-2	-10	40	-0.5	-2	1.56
I147224	39.20	39.20	0.00	Blank	I147224	-0.01	0	0	0	0	-0.2	1.66	2	-10	20	-0.5	-2	0.64
I147225	39.20	39.20	0.00	Standard-L														
I147226	39.20	40.15	0.95	Shear														
I147227	40.15	41.15	1.00	Shear	I147227	0.01	0	0	0	0.01	-0.2	1.3	7	-10	40	-0.5	-2	2.82
I147228	41.15	42.15	1.00	Shear	I147228	0.01	0	0	0	0.01	-0.2	1.52	13	-10	40	-0.5	-2	3.47
I147229	42.15	43.15	1.00	Shear	I147229	-0.01	0	0	0	0	-0.2	1.26	7	-10	40	-0.5	-2	2.59
I147230	43.15	43.70	0.55	Shear + locally up to 5% pyrite	I147230	0.49	0	0	0	0.49	0.9	0.76	151	-10	60	-0.5	3	1.61
I147231	43.70	44.70	1.00	Shear	I147231	0.01	0	0	0	0.01	-0.2	1.07	18	-10	40	-0.5	-2	3.14
I147232	44.70	45.80	1.10	Shear	I147232	0.01	0	0	0	0.01	-0.2	1.33	24	-10	60	-0.5	-2	2.05
I147233	45.80	46.50	0.70	Shear	I147233	0.01	0	0	0	0.01	-0.2	1.77	5	-10	40	-0.5	-2	2.55
I147234	46.50	47.50	1.00	Shear	I147234	0.01	0	0	0	0.01	-0.2	1.27	7	-10	40	-0.5	-2	2.25
I147235	47.50	48.50	1.00	Shear	I147235	0.01	0	0	0	0.01	-0.2	1.38	6	-10	60	-0.5	-2	2.14
I147236	48.50	49.50	1.00	Shear	I147236	0.01	0	0	0	0.01	-0.2	1.28	-2	-10	40	-0.5	-2	2.12
I147237	49.50	50.50	1.00	Shear	I147237	-0.01	0	0	0	0	-0.2	1.42	3	-10	30	-0.5	-2	1.82
I147238	50.50	51.50	1.00	Shear	I147238	0.01	0	0	0	0.01	-0.2	1.42	-2	-10	40	-0.5	-2	2.23
I147239	51.50	52.50	1.00	Shear	I147239	0.01	0	0	0	0.01	-0.2	1.31	-2	-10	50	-0.5	-2	2.29
I147240	52.50	53.50	1.00	Shear	I147240	-0.01	0	0	0	0	-0.2	1.22	-2	-10	40	-0.5	-2	2.26
I147241	53.50	54.50	1.00	Shear	I147241	0.01	0	0	0	0.01	-0.2	1.25	11	-10	50	-0.5	-2	2.42
I147242	54.50	55.50	1.00	Shear	I147242	0.01	0	0	0	0.01	-0.2	1.28	13	-10	50	-0.5	-2	2.44
I147243	55.50	56.25	0.75	Shear	I147243	-0.01	0	0	0	0	-0.2	1.45	16	-10	50	-0.5	-2	2.63
I147244	56.25	57.10	0.85	Shear	I147244	0.02	0	0	0	0.02	-0.2	1.41	18	-10	50	-0.5	2	2.25
I147245	57.10	58.10	1.00	Shoulder	I147245	0.01	0	0	0	0.01	-0.2	1.26	4	-10	50	-0.5	-2	2.29
I147246	68.00	68.50	0.50	Shoulder	I147246	0.01	0	0	0	0.01	-0.2	1.31	2	-10	50	-0.5	-2	2.09
I147247	68.50	69.10	0.60	Local pyrite-carbonate veinlet	I147247	0.01	0	0	0	0.01	-0.2	1.11	19	-10	50	-0.5	-2	4.18
I147248	69.10	70.00	0.90	Shoulder	I147248	0.01	0	0	0	0.01	-0.2	1.31	-2	-10	50	-0.5	-2	2.9
I147249	70.00	70.00	0.00	Blank	I147249	-0.01	0	0	0	0	-0.2	1.82	-2	-10	30	-0.5	-2	0.54
I147250	70.00	70.00	0.00	Standard-H														
I147251	75.25	76.25	1.00	Down-dip QFP dyke	I147251	0.01	0	0	0	0.01	-0.2	0.95	8	-10	50	-0.5	-2	1.7
I147252	78.20	79.00	0.80	Shoulder	I147252	0.02	0	0	0	0.02	0.2	1.46	36	-10	70	-0.5	-2	2.23
I147253	79.00	79.50	0.50	Local quartz-carbonate-pyrite vein	I147253	0.02	0	0	0	0.02	7.6	1.33	27	-10	70	-0.5	36	1.65
I147254	79.50	80.00	0.50	Shoulder	I147254	0.01	0	0	0	0.01	-0.2	1.42	12	-10	60	-0.5	-2	2.52
I147255	86.25	86.75	0.50	QFP dyke	I147255	0.01	0	0	0	0.01	-0.2	0.85	10	-10	50	-0.5	-2	1.77
I147256	93.00	94.00	1.00	Locally tr-1% pyrite	I147256	0.01	0	0	0	0.01	-0.2	1.29	34	-10	70	-0.5	-2	2.45
I147257	97.50	98.10	0.60	Shoulder	I147257	0.01	0	0	0	0.01	-0.2	1.33	11	-10	50	-0.5	-2	2.55
I147258	98.10	99.00	0.90	Down-dip aplite dyke including pyrite stringer	I147258	0.01	0	0	0	0.01	-0.2	0.85	13	-10	40	-0.5	-2	2.03
I147259	99.00	100.00	1.00	Down-dip aplite dyke	I147259	-0.01	0	0	0	0	-0.2	0.85	5	-10	50	-0.5	-2	2.28
I147260	100.00	101.00	1.00	Down-dip aplite dyke	I147260	0.01	0	0	0	0.01	-0.2	0.93	6	-10	40	-0.5	-2	2.19
I147261	101.00	101.70	0.70	Down-dip aplite dyke	I147261	0.01	0	0	0	0.01	-0.2	1.21	8	-10	60	-0.5	-2	1.98
I147262	104.20	104.80	0.60	Shoulder	I147262	-0.01	0	0	0	0	-0.2	1.5	9	-10	30	-0.5	-2	0.82
I147263	104.80	105.60	0.80	3cm-thick semi-massive pyrite vein	I147263	1.80	0	0	0	1.8	0.9	2.09	347	-10	50	-0.5	4	0.22
I147264	105.60	107.00	1.40	Shoulder	I147264	0.01	0	0	0	0.01	-0.2	1.76	13	-10	10	-0.5	-2	1.96
I147265	107.00	108.00	1.00	tr-1% disseminated pyrite	I147265	0.17	0	0	0	0.17	-0.2	2.01	153	-10	40	-0.5	-2	2.06
I147266	108.00	109.00	1.00	tr-1% disseminated pyrite	I147266	0.99	0	0	0	0.99	0.3	2.42	166	-10	30	-0.5	-2	0.46
I147267	109.00	110.00	1.00	tr-1% disseminated pyrite	I147267	0.27	0	0	0	0.27	0.2	2.25	79	-10	20	-0.5	-2	2
I147268	110.00	111.50	1.50	Shoulder	I147268	0.02	0	0	0	0.02	-0.2	2.13	39	-10	10	-0.5	-2	2.15
I147269	111.50	113.00	1.50	Shoulder	I147269	-0.01	0	0	0	0	-0.2	1.8	6	-10	10	-0.5	-2	4.01
I147270	113.00	114.00	1.00	tr-1% disseminated pyrite	I147270	0.02	0	0	0	0.02	-0.2	2.54	32	-10	20	-0.5	-2	2.55
I147271	114.00	115.50	1.50	Shoulder	I147271	0.01	0	0	0	0.01	-0.2	2.1	13	-10	20	-0.5	-2	3.36
I147272	115.50	117.00	1.50	Shoulder	I147272	-0.01	0	0	0	0	-0.2	2.03	6	-10	10	-0.5	-2	3.91
I147273	117.00	118.00	1.00	tr-1% disseminated pyrite	I147273	0.41	0	0	0	0.41	0.5	3.72	97	-10	30	-0.5	2	0.36
I147274	118.00	118.00	0.00	Blank	I147274	-0.01	0	0	0	0	-0.2	1.88	-2	-10	20	-0.5	-2	0.54
I147275	118.00	118.00	0.00	Standard-L														

Sample Number	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147222	-0.5	8	19	10	2.47	-10	-1	0.15	30	0.7	348	1	0.04	15	710	-2	-0.01	-2	2	32	-20
I147223	-0.5	8	15	10	2.54	-10	1	0.15	30	0.74	463	1	0.04	14	690	-2	-0.01	-2	2	37	-20
I147224	-0.5	12	20	-1	4.16	10	-1	0.07	20	1.57	439	-1	0.08	22	920	-2	-0.01	-2	6	27	-20
I147225																					
I147226																					
I147227	-0.5	8	9	30	2.32	-10	1	0.18	30	0.68	423	1	0.03	13	760	-2	0.03	-2	1	36	-20
I147228	-0.5	11	9	29	2.89	-10	-1	0.17	30	0.79	527	1	0.03	17	710	-2	0.07	-2	1	65	-20
I147229	-0.5	7	12	18	2.44	-10	-1	0.18	30	0.83	500	2	0.04	13	660	-2	0.02	-2	1	35	-20
I147230	3.8	8	8	432	2.99	-10	-1	0.22	20	0.32	359	2	0.03	13	570	12	0.89	-2	1	13	-20
I147231	-0.5	8	8	16	2.18	-10	-1	0.16	20	0.65	548	1	0.03	11	560	-2	0.33	2	1	62	-20
I147232	-0.5	9	13	16	2.77	-10	-1	0.17	30	0.71	468	1	0.04	18	680	5	0.03	-2	1	19	-20
I147233	-0.5	12	10	32	3.44	-10	-1	0.13	30	0.9	397	1	0.04	17	690	-2	0.01	-2	2	17	-20
I147234	-0.5	8	11	35	2.38	-10	-1	0.15	30	0.63	352	-1	0.04	14	680	-2	0.01	-2	1	17	-20
I147235	-0.5	8	17	7	2.62	-10	-1	0.15	30	0.72	415	1	0.05	15	660	2	0.01	-2	1	27	-20
I147236	-0.5	9	16	20	2.58	-10	-1	0.14	30	0.8	396	2	0.05	13	690	-2	0.02	-2	1	33	-20
I147237	-0.5	9	14	10	2.72	-10	1	0.12	30	0.88	356	1	0.06	14	670	-2	0.02	-2	2	29	-20
I147238	-0.5	9	14	12	2.55	-10	-1	0.16	30	0.82	414	1	0.05	16	700	-2	0.01	-2	1	47	-20
I147239	-0.5	9	12	13	2.53	-10	1	0.17	30	0.7	436	2	0.05	14	700	-2	0.04	-2	1	68	-20
I147240	-0.5	8	14	9	2.59	-10	-1	0.14	30	0.68	443	3	0.05	13	670	-2	-0.01	-2	1	81	-20
I147241	-0.5	9	16	14	2.56	-10	-1	0.15	30	0.69	507	3	0.05	14	680	2	0.21	-2	1	84	-20
I147242	-0.5	9	16	17	2.57	-10	-1	0.16	30	0.72	548	2	0.05	14	700	-2	0.14	-2	1	83	-20
I147243	-0.5	11	16	25	2.79	-10	-1	0.17	30	0.81	561	2	0.05	17	700	-2	0.26	-2	2	70	-20
I147244	-0.5	10	14	36	2.76	-10	-1	0.16	30	0.79	537	2	0.06	15	700	-2	0.32	2	2	70	-20
I147245	-0.5	10	18	23	2.82	-10	-1	0.16	30	0.7	509	2	0.06	14	750	-2	0.05	-2	2	81	-20
I147246	-0.5	9	19	10	2.55	-10	-1	0.18	30	0.7	444	1	0.05	15	680	-2	0.02	-2	2	74	-20
I147247	-0.5	8	16	90	2.39	-10	1	0.16	30	0.58	700	2	0.04	12	640	8	0.38	-2	1	98	-20
I147248	-0.5	8	17	14	2.52	-10	-1	0.17	30	0.7	581	2	0.05	15	650	-2	0.04	-2	2	130	-20
I147249	-0.5	14	24	-1	4.5	10	-1	0.08	20	1.71	471	-1	0.08	24	1000	-2	-0.01	-2	6	31	-20
I147250																					
I147251	-0.5	6	13	18	1.84	-10	-1	0.15	30	0.48	379	1	0.06	9	490	-2	0.07	-2	2	62	-20
I147252	-0.5	12	16	29	2.94	-10	-1	0.22	30	0.76	566	2	0.05	16	740	3	0.48	-2	2	63	-20
I147253	-0.5	11	17	26	2.67	-10	-1	0.23	30	0.7	465	2	0.05	15	730	17	0.4	-2	2	36	-20
I147254	-0.5	9	21	14	2.6	-10	-1	0.18	30	0.75	563	2	0.06	16	740	-2	0.02	-2	3	78	-20
I147255	-0.5	6	15	25	1.8	-10	-1	0.14	30	0.48	378	1	0.06	9	420	-2	0.02	-2	2	32	-20
I147256	-0.5	14	18	15	2.81	-10	1	0.25	30	0.65	490	1	0.05	15	690	-2	0.6	-2	2	76	-20
I147257	-0.5	7	19	2	2.56	-10	1	0.17	30	0.73	445	2	0.06	15	700	-2	0.02	2	2	89	-20
I147258	-0.5	7	14	4	1.86	-10	-1	0.13	20	0.45	301	2	0.06	9	440	-2	0.15	2	1	58	-20
I147259	-0.5	5	13	1	1.58	-10	-1	0.17	20	0.41	312	1	0.05	9	460	-2	0.01	-2	1	63	-20
I147260	-0.5	6	14	2	1.82	-10	1	0.15	20	0.48	321	1	0.05	10	450	-2	0.07	-2	1	73	-20
I147261	-0.5	9	17	4	2.3	-10	-1	0.18	20	0.65	330	1	0.05	13	640	-2	0.08	-2	2	54	-20
I147262	-0.5	8	18	1	2.47	10	-1	0.13	20	1.18	228	2	0.06	15	750	-2	0.05	-2	3	16	-20
I147263	0.7	23	9	43	6.05	10	-1	0.29	10	1.9	230	5	0.02	30	790	19	4.09	-2	2	7	-20
I147264	-0.5	7	20	2	3	10	-1	0.04	20	1.41	311	1	0.08	15	750	-2	0.09	-2	5	18	-20
I147265	-0.5	10	17	5	3.55	10	-1	0.19	10	1.62	343	1	0.06	20	1040	4	0.89	2	4	30	-20
I147266	-0.5	15	18	8	4.58	10	-1	0.16	10	2.28	326	2	0.06	26	990	6	1.31	-2	4	8	-20
I147267	-0.5	10	18	5	3.83	10	-1	0.1	20	1.99	390	2	0.08	19	900	5	0.83	-2	5	28	-20
I147268	-0.5	11	18	2	3.27	10	1	0.05	10	1.76	392	-1	0.06	18	870	-2	0.29	-2	5	29	-20
I147269	-0.5	5	18	9	2.88	10	-1	0.04	30	1.27	448	-1	0.06	13	800	-2	-0.01	-2	5	46	-20
I147270	-0.5	13	19	-1	3.65	10	-1	0.13	10	2.1	446	-1	0.04	17	970	-2	0.38	-2	3	42	-20
I147271	-0.5	9	17	2	3.09	10	-1	0.11	10	1.56	441	-1	0.06	16	880	-2	0.12	-2	5	40	-20
I147272	-0.5	7	19	28	3.13	10	1	0.04	10	1.49	452	-1	0.06	15	850	-2	0.02	-2	5	48	-20
I147273	-0.5	23	18	8	5.08	10	-1	0.16	10	3.56	487	33	0.02	25	1140	-2	0.59	-2	4	9	-20
I147274	-0.5	15	24	-1	4.34	10	-1	0.07	20	1.7	487	-1	0.06	23	1070	-2	-0.01	-2	6	27	-20
I147275																					

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358035 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-51-2010	EASTING:	452013 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	710m
START DATE:	May 21st 201(	Line 4+14N; Station 10+66E		CORE SIZE:	NQ
FINISH DATE:	June 2nd 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**23,53**	**23,53**	**OB**																		**Casing/Overburden**
23,53	**193,55**	**170,02**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																					An almost pervasive carbonate alteration is associated giving the rock a grey color including carbonate tension fractures
29,00	32,00																				Goethite/hematite-rich zone (due to weathering)
30,17	30,18																				a 1cm-thick quartz-carbonate vein; 60TCA
65,55	66,15																				Partially broken core
69,25	71,60																				Partially broken core
75,70	82,30																				Weak carbonate alteration zone (light grey color)
88,20	92,75																				Weak carbonate alteration zone (light grey color)
91,32	91,60																				Small pegmatite dyke; 25TCA
93,05	93,17																				Quartz-chlorite vein; 60TCA
106,24	106,37																				A 0.5cm-thick carbonate-chlorite-quartz vein (30TCA); 1% disseminated pyrite associated along the edges
112,05	112,17																				Syenite dyke including; tr pyrite
125,27	125,28																				A 0.5cm-thick quartz vein; 45TCA
133,65	135,50																				Weak carbonate-silica alteration zone (medium-grey color)
135,36	135,40																				Quartz-chlorite-(Kspar) vein; 80TCA
140,23	146,21																				Pervasive sericite-silica-carbonate-(±hematite) alteration zone (greenish-grey to pinkish-grey color). Presence of leucoxene
152,90	154,45																				Pervasive hematite-carbonate alteration zone (orange-red color). Contacts are gradational
160,72	161,00																				Strong silica-sericite alteration zone (dark grey color)
172,71	173,00																				Quartz-carbonate vein network; pseudo-breccia vein
180,42	181,00																				Strong silica-sericite alteration zone (dark grey color); schistosity: 15TCA
193,55	**261,00**	**67,45**																			**Altered granite**
																					Hematite-carbonate alteration zone (pinkish-red color). Locally presence of voids
212,05	212,55																				Broken core
237,25	237,34																				Shear zone(?) or chlorite-rich zone; including tr-1% pyrite along schistosity/shear plans (45TCA)
239,55	242,40																				Weak sheared zone (55TCA); locally down-dip. Chlorite-sericite-rich. Locally tr pyrite
239,55	240,20																				Broken core
254,65	255,35																				Unaltered granite; except a strong epidotization
261,00	**286,25**	**25,25**																			**Granite; sericite/chlorite alteration**
																					Grey color; pervasive sericite/chlorite alteration; schistosity well-developed (down-dip). Locally tr pyrite along chlorite veinlet
270,90	272,15																				Broken core
286,25	**391,55**	**105,30**																			**Altered granite**
																					Idem as altered granite @ 193.55 - 261m
313,68	313,93																				Syenite dyke or aplite(?) dyke; pervasively hematized
324,65	324,98																				Mafic xenolith (chlorite-rich); aphanitic; inlcuding 10-15% pyrite as cm-thick massive pyrite vein (80TCA)
327,25	327,28																				A 3cm-thick massive pyrite vein; 70TCA
330,71	331,12																				Mafic xenolith; chlorite-rich; aphanitic; locally including 2-3% pyrite as veinlets; 70TCA
333,53	333,70																				Chlorite-rich zone including 1-2% disseminated pyrite
368,84	368,85																				Pyrite stringer; 30TCA
377,36	377,37																				Chlorite-carbonate-pyrite fine stringers; 60TCA

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GeoVector Management Inc. GEOLOGICAL LOG

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START DATE:	May 21st 201(	Line 4+14N; Station 10+66E		CORE SIZE:	NQ
FINISH DATE:	June 2nd 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
378,65	378,66																				Chlorite-carbonate-pyrite fine stringers; 60TCA
387,10	387,11																				Chlorite-pyrite fine stringers; 60TCA
388,33	388,34																				Chlorite-pyrite fine stringers; 45TCA
388,44	388,45																				Chlorite-pyrite fine stringers; 40TCA
391,55	**407,05**	**15,50**																			**QFP intrusion**
																					Locally 1-2% disseminated pyrite. Locally Kspar alteration (and/or hematite?). Light orange-pinkish color)
394,61	394,61																				Fine pyrite stringer; 45TCA
395,37	395,17																				Fine pyrite stringer; 55TCA
395,80	406,70																				Kspar alteration (and/or hematite) (light orange-pinkish color). Presence of voids. 1-2% disseminated pyrite
398,20	398,20																				Pyrite stringer; 35TCA
398,95	398,95																				Pyrite stringer; 35TCA
399,17	399,17																				Pyrite stringer; 35TCA
407,05	**411,30**	**4,25**																			**Altered granite**
																					Idem as altered granite @ 193.55 - 261m; tr-1% disseminated pyrite near the QFP contact
411,30	**430,40**	**19,10**																			**Granite**
																					Pervasive carbonate-sericite alteration (light to medium grey color)
414,20	415,00																				Mafic xenolith; chlorite-rich. Strongly magnetic; 3-4% disseminated pyrite grains
419,95	420,35																				Broken core; pyrite veinlet network and/or matrix / breccia-vein. 2-3% pyrite
430,40	**505,05**	**74,65**																			**Mafic volcanic rock (and/or intrusive?)**
																					Massive flow and breccia flow; chlorite-rich. Locally granite injections near the contact zone. Locally 3-4% PY (euhedral)
434,58	434,62																				A 4cm-thick quartz vein (50TCA); including leucoxene along edges
434,79	434,81																				A 2cm-thick quartz vein; 30TCA
434,83	434,84																				A 1cm-thick quartz vein; 30TCA
438,00	439,22																				Zone with granite injections/small dykes
442,68	442,89																				Silicified zone and/or chert bed including 3-4% pyrite as stringers (+1-2% specularite and jasper also associated); tr chalcopyrite
443,25	443,46																				5% pyrite as disrupted veins within a chlorite-rich horizon
445,73	446,60																				2-3% pyrite within chert-rich xenolith(?)
448,45	449,71																				Granite dyke including mafic xenolith; pervasive carbonate alteration
456,03	456,29																				Pegmatite dyke (?); Kspar-rich
456,35	456,92																				2-3% pyrite as disrupted pyrite veins within a chlorite-rich horizons
470,36	470,96																				Granite dyke; partially hematized
472,25	475,20																				Zone with 3-4% disseminated pyrite (euhedral)
475,20	475,24																				Carbonate vein; 55TCA
479,45	480,00																				2-3% disseminated pyrite
484,25	485,00																				Series of pyrite veinlets (<1cm-thick; at a 5 to 20cm interval; 40-60TCA); silica and magnetite associated
502,55	502,69																				Down-dip quartz-chlorite vein; tr pyrite
502,72	502,74																				Semi-massive pyrite veinlet; 50TCA
505,05	**517,25**	**12,20**																			**QFP**

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358035 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-51-2010	EASTING:	452013 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	710m
START DATE:	May 21st 201(	Line 4+14N; Station 10+66E		CORE SIZE:	NQ
FINISH DATE:	June 2nd 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
																				Porphyry less abundant near contacts. Greenish-grey color. Locally tr pyrite. Contacts at 30TCA
517,25	**525,80**	**8,55**																		**Mafic volcanic rock**
																				Idem as previous mafic volcanic unit
525,80	**530,15**	**4,35**																		**QFP**
																				Light grey color; locally 1% disseminated pyrite; contact at 30TCA.
526,67	526,68																			A 1cm-thick quartz vein; 40TCA
529,66	529,70																			Down-dip massive chalcopyrite veinlet
530,15	**554,45**	**24,30**																		**Mafic volcanic rock**
																				Including local xenoliths of iron formation (chert-magnetite-pyrite-chlorite); locally up to 3% disseminated pyrite grains in chlorite-rich horizons
535,27	535,34																			Aplite dyke
535,34	535,41																			Granite dyke
540,52	540,54																			1-2% pyrite; tr-1% chalcopyrite
541,75	542,00																			Granite dyke
542,30	542,82																			Granite dyke
551,65	551,85																			Series of low-angle (20TCA) and down-dip quartz-(pyrite) veinlet; 1-2% pyrite
552,98	553,18																			A 18cm-thick quartz-Kspar-sericite vein
553,45	553,63																			5-10% pyrite as large aggregates + two quartz veinlets associated (50TCA)
554,45	**556,08**	**1,63**																		**Iron Formation**
																				Magnetite-chert-pyrite-chlorite beds (alternance of cm-thick beds/layers); 60TCA. 1-2% pyrite
556,08	**560,25**	**4,17**																		**Mafic volcanic rock**
																				Idem as previous mafic volcanic unit
560,25	**595,10**	**34,85**																		**QFP**
																				Light greenish-grey color; locally down-dip. Very locally tr-1% pyrite
571,80	572,55																			Mafic xenolith including locally 1-2% euhedral pyrite
595,10	**652,60**	**57,50**																		**Mafic volcanic rock**
																				Chlorite-rich; breccia flow and pillow breccia. Locally nodular. Pyrite is abundant in the matrix, locally semi-massive. Locally magnetic.
602,13	602,20																			3-4% disseminated pyrite and as stringer (25TCA)
607,85	607,93																			3-4% disseminated pyrite
608,24	608,51																			Pervasive carbonate alteration zone (and/or dyke?); tr pyrite associated
609,00	613,40																			Zone with up to 5% pyrite as aggregates forming pseudo-clasts in the volcanic breccia. Locally specularite is associated
613,15	613,40																			Semi-massive pyrite in the matrix
632,30	633,05																			Iron formation/chert xenolith; black color. Chert-rich including 3-4% pyrite. Magnetic due to magnetite and/or pyrrhotite (tr amount)
633,50	633,65																			Iron formation/chert xenolith; black color. Chert-rich including 1-2% pyrite. Magnetic due to magnetite and/or pyrrhotite (tr amount)
636,78	637,20																			Iron formation/chert xenolith; black color. Chert-rich including 3-4% pyrite. Magnetic due to magnetite
641,54	641,89																			Series of pluri-cm thick quartz veins associated with silica-chlorite-rich zones; tr CPY
642,83	642,83																			tr chalcopyrite
649,09	649,26																			Iron formation/chert xenolith; black color. Chert-rich including 5% pyrite. Tr chalcopyrite; tr magnetite

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358035 N, NAD83	**AZIMUTH:**	240
HOLE NO:	CAR-51-2010	**EASTING:**	452013 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	710m
START DATE:	May 21st 201(	**Line 4+14N; Station 10+66E**		**CORE SIZE:**	NQ
FINISH DATE:	June 2nd 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
652,60	**657,85**	**5,25**																		**Altered mafic volcanic rock**
																				Strong ankerite-silica (beige color) contacts are gradational including local mineralization zones and quartz veinlets
652,67	652,68																			A 1cm-thick quartz vein + 1-2% pyrite associated; 35TCA
652,90	652,93																			A 3cm-thick quartz vein + 1-2% pyrite associated; 50TCA
652,97	652,98																			A 0.5cm-thick quartz vein + 1-2% pyrite associated; 50TCA
655,22	655,45																			Sheared/brecciated zone
656,07	656,40																			Strong ankerite-silica alteration zone including dislocated quartz veinlets + coarse pyrite cubes (1-2%)
656,40	656,70																			Zone with 3-4% fuschiste associated with a 8cm-thick quartz vein (50TCA); tr pyrite
657,85	**710,00**	**52,15**																		**Mafic volcanic rock**
																				Idem as previous mafic volcanic unit
660,15	660,90																			Syenite dyke including locally tr CPY, tr graphite; tr pyrite in a carbonate veinlet
661,30	661,66																			Down-dip syenite dyke
661,90	661,97																			Quartz-Kspar vein (5TCA); including tr pyrite
663,38	663,76																			Quartz-Kspar vein/pegmatite
663,79	663,82																			A 2cm-thick quartz vein; 35TCA
665,00	665,38																			Quartz-Kspar pegmatite/syenite dyke
665,45	665,60																			Syenite/granite dyke
665,87	666,14																			Syenite dyke
666,80	667,30																			Kspar-quartz-sericite/muscovite pegmatite including tr pyrite
681,30	681,60																			Chert-chlorite-pyrite bed/xenolith; 2-3% disseminated pyrite
685,90	685,92																			A 1cm-thick pyrite-pyrrhotite-chalcopyrite veinlet (2-3%)
689,75	690,16																			Silica-rich zone including 1% pyrrhotite; 1% chalcopyrite; tr pyrite
695,57	695,80																			Silica-rich zone including 5% disseminated pyrrhotite; 1-2% chalcopyrite
698,50	698,56																			Up to 5% disseminated pyrrhotite
705,78	705,90																			Strong carbonate(?) alteration zone and/or vein
710,00	EOH																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358035 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-51-2010	**EASTING:**	452013 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	710m
START DATE:	May 21st 2010			**CORE SIZE:**	NQ
FINISH DATE:	June 2nd 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_	AU_G/TF	AU_G/TF	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I766881	29.00	30.00	1.00	Goethite partial alteration	I766881	-0.01	0	0	0	0	-0.2	1.13	-2	-10	40	-0.5	-2	3.17	-0.5	4	4	11	1.82	-10	-1	0.26	30	0.64	610	1	0.01	12	870	2	0.01	-2	1	66	-20
I766882	30.00	31.00	1.00	Goethite partial alteration	I766882	0.03	0	0	0	0.03	-0.2	0.95	-2	-10	40	-0.5	-2	3.05	-0.5	2	2	8	1.3	-10	-1	0.3	30	0.64	628	2	0.01	6	1030	2	-0.01	-2	1	66	-20
I766883	31.00	32.00	1.00	Goethite partial alteration	I766883	0.01	0	0	0	0.01	-0.2	1.54	-2	-10	40	-0.5	-2	5.06	-0.5	4	4	3	2.34	-10	-1	0.26	30	1.2	1075	-1	0.01	11	890	-2	-0.01	-2	1	113	-20
I766884	106.00	107.00	1.00	1% disseminated pyrite associated with carb-chl-qtz vein	I766884	0.01	0	0	0	0.01	-0.2	1.24	-2	-10	60	-0.5	-2	2.46	-0.5	8	13	16	2.37	-10	-1	0.16	30	0.73	473	1	0.06	13	690	-2	0.03	-2	2	42	-20
I766885	111.50	112.00	0.50	Shoulder	I766885	0.01	0	0	0	0.01	-0.2	1.24	-2	-10	50	-0.5	-2	1.86	-0.5	9	14	6	2.38	-10	1	0.14	30	0.75	454	1	0.05	14	720	-2	0.01	-2	2	66	-20
I766886	112.00	112.50	0.50		I766886	0.01	0	0	0	0.01	-0.2	1.14	-2	-10	50	-0.5	-2	1.13	-0.5	7	15	8	2.11	-10	-1	0.14	30	0.67	365	1	0.05	13	620	-2	0.01	-2	2	57	-20
I766887	112.50	113.00	0.50		I766887	0.01	0	0	0	0.01	-0.2	1.32	-2	-10	50	-0.5	-2	1.14	-0.5	9	16	6	2.42	-10	-1	0.13	30	0.81	393	1	0.05	15	720	-2	0.01	-2	3	62	-20
I766888	171.70	172.50	0.80	Shoulder	I766888	0.01	0	0	0	0.01	-0.2	1.55	2	-10	30	-0.5	-2	0.4	-0.5	9	17	1	2.91	10	-1	0.07	20	1.29	358	-1	0.06	16	700	-2	0.04	2	4	14	-20
I766889	172.50	173.10	0.60	Quartz "breccia-vein"	I766889	0.01	0	0	0	0.01	-0.2	1.31	-2	-10	20	-0.5	-2	0.58	-0.5	8	17	1	2.47	10	-1	0.06	20	1.07	328	1	0.07	13	600	-2	-0.01	-2	4	15	-20
I766890	173.10	174.00	0.90	Shoulder	I766890	-0.01	0	0	0	0	-0.2	1.48	-2	-10	40	-0.5	-2	1.31	-0.5	10	17	3	2.73	10	-1	0.11	30	1.05	376	-1	0.06	16	730	-2	-0.01	-2	4	46	-20
I766891	236.50	237.25	0.75	Shoulder	I766891	0.16	0	0	0	0.16	-0.2	1.75	-2	-10	20	-0.5	-2	0.69	-0.5	10	21	-1	3.16	10	1	0.06	30	1.28	357	6	0.08	18	910	-2	0.01	-2	5	9	-20
I766892	237.25	237.75	0.50	Local sheared zone; 1% pyrite	I766892	0.88	0	0	0	0.88	0.3	2.24	9	-10	20	-0.5	2	1.03	-0.5	10	20	1	3.98	10	-1	0.1	30	1.56	464	27	0.07	21	1050	-2	0.1	-2	5	8	-20
I766893	237.75	238.65	0.90	Shoulder	I766893	0.01	0	0	0	0.01	-0.2	2.03	-2	-10	10	-0.5	-2	1.75	-0.5	11	19	-1	3.62	10	-1	0.05	20	1.42	471	3	0.09	19	870	-2	-0.01	-2	7	10	-20
I766894	238.65	239.55	0.90	Weakly sheared zone	I766894	0.03	0	0	0	0.03	-0.2	2.91	-2	-10	10	-0.5	-2	0.58	-0.5	16	22	1	5	20	-1	0.03	30	2.47	503	4	0.07	23	950	-2	-0.01	-2	8	7	-20
I766895	239.55	240.55	1.00	Shear zone; tr pyrite	I766895	0.01	0	0	0	0.01	-0.2	2.84	-2	-10	20	-0.5	-2	0.53	-0.5	13	18	-1	4.56	20	1	0.07	30	2.64	495	1	0.05	21	990	-2	-0.01	-2	6	9	-20
I766896	240.55	241.50	0.95	Shear zone	I766896	-0.01	0	0	0	0	-0.2	1.96	-2	-10	20	-0.5	-2	0.51	-0.5	12	17	-1	3.38	10	1	0.06	20	1.6	409	1	0.08	18	820	-2	-0.01	-2	4	6	-20
I766897	241.50	242.40	0.90	Shear zone	I766897	0.01	0	0	0	0.01	-0.2	2.22	2	-10	20	-0.5	-2	0.5	-0.5	12	18	-1	3.85	10	1	0.04	30	1.89	447	1	0.08	19	830	-2	-0.01	2	6	7	-20
I766898	242.40	243.25	0.85	Shoulder	I766898	-0.01	0	0	0	0	-0.2	1.82	-2	-10	10	-0.5	-2	0.54	-0.5	11	17	1	3.21	10	-1	0.04	30	1.43	369	1	0.09	15	770	-2	-0.01	-2	5	6	-20
I766899	243.25	243.25	0.00	Blank	I766899	0.03	0	0	0	0.03	-0.2	2.01	-2	-10	20	-0.5	-2	0.4	-0.5	11	19	-1	3.08	10	-1	0.05	40	2.12	377	-1	0.07	19	830	-2	-0.01	2	5	15	-20
I766900	243.25	243.25	0.00	Standard-H																																			
I147501	275.00	276.00	1.00	Weak shear zone	I147501	-0.01	0	0	0	0	-0.2	1.76	-2	-10	20	-0.5	-2	0.53	-0.5	9	10	1	2.95	10	-1	0.1	30	1.32	236	-1	0.04	10	670	-2	-0.01	-2	2	8	-20
I147502	276.00	277.00	1.00	Weak shear zone	I147502	0.02	0	0	0	0.02	-0.2	1.57	3	-10	30	-0.5	-2	1.35	-0.5	9	7	3	2.53	-10	-1	0.15	30	1.14	301	1	0.01	10	670	-2	0.01	-2	1	13	-20
I147503	312.75	313.50	0.75	Shoulder	I147503	-0.01	0	0	0	0	0.2	1.77	-2	-10	10	-0.5	-2	2.3	-0.5	11	20	-1	3	10	1	0.03	10	1.24	418	-1	0.08	16	910	-2	-0.01	-2	5	11	-20
I147504	313.50	314.00	0.50	Syenite dyke; hematized	I147504	-0.01	0	0	0	0	-0.2	0.91	-2	-10	10	-0.5	-2	1.14	-0.5	5	10	-1	1.53	-10	-1	0.02	10	0.59	202	-1	0.08	7	450	-2	-0.01	-2	2	7	-20
I147505	314.00	314.75	0.75	Shoulder	I147505	-0.01	0	0	0	0	-0.2	1.53	-2	-10	10	-0.5	-2	0.28	-0.5	10	18	-1	2.72	10	-1	0.03	30	1.07	255	-1	0.09	13	710	-2	-0.01	-2	3	6	-20
I147506	323.00	324.00	1.00	Shoulder	I147506	1.61	0	0	0	1.61	0.3	1.66	-2	-10	10	-0.5	-2	1.12	-0.5	10	28	7	3.05	10	-1	0.04	10	1.1	317	2	0.08	17	750	-2	-0.01	-2	5	10	-20
I147507	324.00	324.55	0.55		I147507	0.86	0	0	0	0.86	0.2	2.47	-2	-10	10	-0.5	-2	2.23	-0.5	10	19	-1	4.32	20	-1	0.03	10	1.91	582	2	0.08	18	820	-2	-0.01	-2	8	12	-20
I147508	324.55	325.05	0.50	Mafic xenolith; 10-15% pyrite as semi-massive veins	I147508	>10.00	0	19.45	0	19.45	2.1	6.79	308	-10	-10	-0.5	12	0.82	-0.5	114	33	11	16.4	50	1	-0.01	10	5.77	944	55	0.02	43	1730	8	5.02	-2	16	8	-20
I147509	325.05	326.00	0.95	Shoulder	I147509	2.04	0	0	0	2.04	-0.2	1.89	7	-10	10	-0.5	-2	2.39	-0.5	11	21	-1	3.39	10	1	0.03	10	1.24	453	1	0.1	14	1010	-2	0.06	-2	7	14	-20
I147510	326.00	327.00	1.00		I147510	-0.01	0	0	0	0	-0.2	1.91	-2	-10	10	-0.5	-2	1.87	-0.5	4	18	-1	3.45	10	-1	0.04	30	1.23	396	-1	0.08	16	810	-2	-0.01	-2	8	13	-20
I147511	327.00	327.50	0.50	3cm-thick massive pyrite vein	I147511	2.69	0	0	0	2.69	0.3	2.42	227	-10	10	-0.5	4	2.23	-0.5	90	20	2	6.47	10	-1	0.04	10	1.6	508	4	0.08	19	990	2	3.07	-2	10	11	-20
I147512	327.50	329.00	1.50	Shoulder	I147512	0.02	0	0	0	0.02	-0.2	1.99	2	-10	10	-0.5	-2	1.16	-0.5	4	20	-1	3.68	10	-1	0.04	20	1.32	370	1	0.08	17	1010	-2	-0.01	-2	7	11	-20
I147513	329.00	330.50	1.50	Shoulder	I147513	0.02	0	0	0	0.02	-0.2	2.05	-2	-10	10	-0.5	-2	0.79	-0.5	4	23	-1	3.82	10	-1	0.04	20	1.38	358	-1	0.09	17	960	-2	-0.01	-2	6	10	-20
I147514	330.50	331.20	0.70	Mafic xenolith with 2-3% pyrite	I147514	4.06	0	0	0	4.06	0.3	5.2	21	-10	10	-0.5	2	0.73	-0.5	25	24	2	8.56	30	-1	0.06	10	5.06	824	-1	0.03	25	1240	-2	0.7	-2	8	7	-20
I147515	331.20	332.00	0.80	Shoulder	I147515	-0.01	0	0	0	0	-0.2	2.79	2	-10	10	-0.5	-2	0.56	-0.5	12	24	-1	4.84	10	1	0.06	20	2.33	491	1	0.07	21	1240	-2	-0.01	-2	6	7	-20
I147516	332.00	333.00	1.00		I147516	0.01	0	0	0	0.01	-0.2	2.3	-2	-10	10	-0.5	-2	0.78	-0.5	8	24	-1	4	10	-1	0.03	10	1.69	439	-1	0.08	17	1070	-2	-0.01	-2	7	8	-20
I147517	333.00	334.00	1.00	Local disseminated pyrite within a chlorite-rich zone	I147517	1.64	0	0	0	1.64	-0.2	3.32	3	-10	20	-0.5	2	0.53	-0.5	15	34	-1	5.59	10	1	0.08	20	2.82	592	35	0.05	27	1320	-2	0.04	-2	5	8	-20
I147518	367.50	368.50	1.00	Shoulder	I147518	0.23	0	0	0	0.23	-0.2	3.01	-2	-10	-10	-0.5	-2	1.3	-0.5	12	25	1	5.13	10	-1	0.02	20	2.49	533	-1	0.06	23	1090	-2	0.01	-2	9	10	-20
I147519	368.50	369.00	0.50	Local pyrite stringer	I147519	0.29	0	0	0	0.29	-0.2	2.98	-2	-10	10	-0.5	-2	1.43	-0.5	12	24	1	5.1	10	-1	0.02	20	2.46	572	-1	0.05	23	1080	-2	0.06	2	12	8	-20
I147520	369.00	370.00	1.00	Shoulder	I147520	0.08	0	0	0	0.08	-0.2	2.83	-2	-10	10	-0.5	-2	1.86	-0.5	11	23	1	4.8	10	-1	0.02	10	2.3	607	-1	0.06	21	980	-2	-0.01	-2	12	9	-20
I147521	376.00	377.00	1.00	Shoulder	I147521	0.04	0	0	0	0.04	-0.2	3.53	-2	-10	10	-0.5	-2	0.85	-0.5	14	32	-1	5.43	10	-1	0.03	30	3.71	547	-1	0.05	28	1120	-2	-0.01	2	9	8	-20
I147522	377.00	377.85	0.85	Local pyrite stringer	I147522	0.01	0	0	0	0.01	-0.2	3.44	-2	-10	10	-0.5	-2	0.81	-0.5	18	25	1	5.38	10	-1	0.03	20	3.34	574	1	0.06	26	1200	-2	0.06	-2	9	9	-20
I147523	377.85	378.85	1.00	Shoulder	I147523	0.05	0	0	0	0.05	-0.2	2.85	4	-10	10	-0.5	-2	1.68	-0.5	16	25	1	4.58	10	-1	0.04	20	2.64	514	-1	0.05	23	1100	-2	0.11	-2	7	17	-20
I147524	378.85	378.85	0.00	Blank	I147524	-0.01	0	0	0	0	-0.2	2.32	-2	-10	20	-0.5	-2	0.38	-0.5	13	20	1	3.5	10	-1	0.05	30	2.59	449	-1	0.06	17	870	-2	-0.01	2	5	14	-20
I147525	378.85	378.85	0.00	Standard-L																																			
I147526	387.00	388.00	1.00	Shoulder	I147526	1.04	0	0	0	1.04	-0.2	3.15	9	-10	10	-0.5	-2	3.66	-0.5	13	27	1	5.47	10	-1	0.03	20	2.62	859	2	0.05	24	1160	-2	0.15	-2	17	16	-20
I147527	388.00	388.75	0.75	Local pyrite-chlorite stringers	I147527	2.17	0	0	0	2.17	-0.2	4.53	14	-10	10	-0.5	-2	0.65	-0.5	21	29	3	7.27	20	-1	0.04	10	4.67	653	10	0.04	27	1270	-2	0.65	-2	9	6	-20
I147528	388.75	390.25	1.50	Shoulder	I147528	0.05	0	0	0	0.05	-0.2	3.03	3	-10	10	-0.5	-2	1.44	-0.5	9	28	1	5.22	20	-1	0.03	20	2.24	506	1	0.06	24	1190	-2	0.03	-2	10	9	-20
I147529	390.25	391.55	1.30	Shoulder	I147529	0.01	0	0	0	0.01	2.7	3.13	5	-10	-10	-0.5	-2	1.47	-0.5	8	29	1	5.46	20	-1	0.01	10	2.39	508	1	0.06	27	1250	-2	0.06	-2	12	9	-20
I147530	391.55	392.50	0.95	QFP	I147530	0.03	0	0	0	0.03	-0.2	1.51	10	-10	-10	-0.5	-2	0.19	-0.5	12	12	1	3.23	10	-1	-0.01	-10	1.23	245	-1	0.09	13	540	-2	0.48	-2	4	3	-20
I147531	392.50	393.50	1.00	QFP	I147531	0.41	0	0	0	0.41	-0.2	1.08	14	-10	-10	-0.5	-2	0.22	-0.5	10	11	1	2.46	10	-1	-0.01	-10	0.82	178	-1	0.09	9	470	2	0.53	-2	3	4	-20
I147532	393.50	394.25	0.75	QFP	I147532	0.20	0	0	0	0.2	-0.2	1.09	10	-10	-10	-0.5	-2	0.8	-0.5	8	10	1	2.35	10	-1	-0.01	-10	0.79	221	-1	0.08	10	470	4	0.4	2	4	5	-20
I147533	394.25	395.00	0.75	QFP	I147533	0.04	0	0	0	0.04	-0.2	1.27	7	-10	-10	-0.5	-2	0.93	-0.5	9	12	1	2.7	10	-1	-0.01	-10	0.86	267	-1	0.1	13	480	4	0.43	2	6	6	-20
I147534	395.00	395.80	0.80	QFP	I147534	0.04	0	0	0	0.04	-0.2	0.9	6	-10	-10	-0.5	-2	1.33	-0.5	6	11	1	1.9	10	-1	-0.01	-10	0.59	239	5	0.09	9	460	2	0.28	-2	5	7	-20
I147535	395.80	396.60	0.80	QFP	I147535	0.01	0	0	0	0.01	-0.2	0.39	4	-10	-10	-0.5	-2	1.73	-0.5	3	9	1	0.92	-10	-1	-0.01	-10	0.2	197	-1	0.1	3	430	-2	0.25	-2	4	8	-20
I147536	396.60	397.30	0.70	QFP	I147536	0.01	0	0	0	0.01	-0.2	0.48	6	-10	-10	-0.5	-2	1.63	-0.5	7	10	1	1.21	-10	-1	-0.01	-10	0.27	195	-1	0.09	4	460	2	0.38	2	4	9	-20
I147537	397.30	398.00	0.70	QFP	I147537	0.04	0	0	0	0.04	-0.2	0.43	8	-10	-10	-0.5	-2	1.25	-0.5	10	10	2	1.13	-10	-1	-0.01	10	0.22	142	-1	0.11	4	470	-2	0.45	2	3	8	-20
I147538	398.00	398.75	0.75	QFP	I147538	0.11	0	0	0	0.11	0.2	0.37	18	-10	-10	-0.5	-2	1.65	-0.5	12	11	2	1.33	-10	-1	-0.01	-10	0.18	161	15	0.1	2	460	7	0.8	-2	4	9	-20
I147539	398.75	399.25	0.50	QFP	I147539	0.10	0	0	0	0.1	-0.2	0.22	14	-10	-10	-0.5	-2	1.66	-0.5	9	10	2	1.02	-10	-1	-0.01	-10	0.07	143	-1	0.12	1	450	13	0.76	-2	3	10	-20
I147540	399.25	400.00	0.75	QFP	I147540	0.06	0	0	0	0.06	-0.2	0.21	14	-10	-10	-0.5	-2	0.27	-0.5	7	12	3	0.88	-10	-1	-0.01	-10	0.06	43	-1	0.13	1	460	10	0.58	-2	1	6	-20
I147541	400.00	401.00	1.00	QFP	I147541	0.02	0	0	0	0.02	-0.2	0.31	5	-10	-10	-0.5	-2	1.05	-0.5	6	11	1	0.86	-10	-1	-0.01	-10	0.14	122	-1	0.11	2	470	38	0.35	-2	2	7	-20
I147542	401.00	402.00	1.00	QFP	I147542	0.01	0	0	0	0.01	-0.2	0.21	8	-10	-10	-0.5	-2	1.89	-0.5	5	10	1	0.66	-10	-1	-0.01	-10	0.07	170	-1	0.11	-1	450	-2	0.37	2	3	10	-20
I147543	402.00	403.00	1.00	QFP	I147543	0.02	0	0	0	0.02	-0.2	0.22	6	-10	-10	-0.5	-2	2.01	-0.5	5	8	1	0.7	-10	-1	-0.01	-10	0.08	175	-1	0.11	1	460	-2	0.41	-2	3	10	-20
I147544	403.00	404.00	1.00	QFP	I147544	0.03	0	0	0	0.03	0.2	0.23	4	-10	-10	-0.5	-2	1.63	-0.5	7	9	2	0.8	-10	-1	-0.01	-10	0.09	145	-1	0.11	1	440	-2	0.47	2	2	8	-20
I147545	404.00	405.00	1.00	QFP	I147545	0.11	0	0	0	0.11	-0.2	0.33	12	-10	-10	-0.5	-2	1.44	-0.5	8	11	2	1	-10	-1	-0.01	-10	0.16	150	-1	0.1	3	450	-2	0.51	-2	3	8	-20
I147546	405.00	406.00	1.00	QFP	I147546	0.12	0	0	0	0.12	-0.2	0.59	15	-10	-10	-0.5	-2	1.7	-0.5	10	10	3	1.6	-10	-1	-0.01	10	0.39	212	-1	0.1	7	470	-2	0.68	-2	3	9	-20
I147547	406.00	407.05	1.05	QFP	I147547	0.08	0	0	0	0.08	-0.2	1	9	-10	-10	-0.5	-2	1.03	-0.5	9	9	2	2.16	10	-1	0.03	-10	0.72	242	2	0.1	8	430	-2	0.42	-2	3	6	-20
I147548	407.05	408.00	0.95	Shoulder	I147548	0.01	0	0	0	0.01	0.3	2.44	9	-10	20	-0.5	2	0.33	-0.5	12	14	6	4.52	10	-1	0.16	20	1.84	351	-1	0.03	20	960	-2	0.31	-2	2	8	-20
I147549	408.00	408.00	0.00	Blank	I147549	0.01	0	0	0	0.01	-0.2	2.16	-2	-10	20	-0.5	-2	0.31	-0.5	11	18	-1	3.4	10	-1	0.07	30	2.32	400	-1	0.08	15	750	-2	-0.01	-2	4	15	-20
I147550	408.00	408.00	0.00	Standard-H																																			
I147551	408.00	409.00	1.00	Tr-1% disseminated pyrite																																			
I147552	409.00	410.00	1.00	Shoulder	I147552	0.01	0	0	0	0.01	-0.2	2.08	6	-10	30	-0.5	-2	1.7	-0.5	12	20	14	4.13	-10	-1	0.11	20	1.22	374	1	0.05	19	940	-2	0.33	-2	4	22	-20
I147553	413.50	414.20	0.70	Shoulder	I147553	-0.01	0	0	0	0	-0.2	2.74	-2	-10	40	-0.5	-2	3.8	-0.5	15	26	3	4.45	-10	-1	0.13	30	1.7	1670	1	0.08	31	1290	-2	0.02	-2	5	136	-20
I147554	414.20	415.00	0.80	Mafic xenolith; magnetic; 3-4% disseminated pyrite	I147554	0.01	0	0	0	0.01	-0.2	4.39	31	-10	10	-0.5	-2	1.64	-0.5	45	1	95	21.8	20	1	0.01	10	2.73	4040	1	0.02	92	590	3	1.54	-2	13	58	-20
I147555	415.00	416.00	1.00	Shoulder	I147555	-0.01	0	0	0	0	-0.2	2.6	3	-10	30	-0.5	-2	1.32	-0.5	17	32	5	4.28	10	-1	0.08	20	2.09	1065	1	0.05	33	800	-2	0.04	-2	10	46	-20
I147556	419.00	419.80	0.80	Shoulder	I147556	0.01	0	0	0	0.01	-0.2	2.2	-2	-10	10	-0.5	-2	0.79	-0.5	9	22	1	3.28	10	-1	0.03	10	2.24	254	1	0.08	20	940	-2	0.06	-2	6	9	-20
I147557	419.80	420.50	0.70	2-3% pyrite associated with a brecciated zone	I147557	2.58	0	0	0	2.58	0.5	2.75	101	-10	-10	-0.5	-2	1.13	-0.5	19	25	4	5.3	10	-1	0.01	20	2.78	341	3	0.06	22	1180	2	1.93	-2	8	10	-20
I147558	420.50	421.00	0.50	Shoulder	I147558	0.01	0	0	0	0.01	-0.2	2.14	-2	-10	10	-0.5	-2	0.81	-0.5	9	24	1	3.43	10	-1	0.03	20	1.83	281	1	0.09	19	1040	-2	0.04	-2	6	11	-20
I147559	429.50	430.40	0.90	Granite - contact zone	I147559	-0.01	0	0	0	0	-0.2	1.78	2	-10	20	-0.5	-2	1.78	-0.5	10	20	11	3.46	10	-1	0.1	10	1.06	436	2	0.04	17	900	-2	0.02	-2	3	25	-20
I147560	430.40	431.50	1.10	Mafic volcanic - contact zone	I147560	-0.01	0	0	0	0	-0.2	2.27	-2	-10	20	-0.5	-2	1.26	-0.5	13	13	12	4.84	10	-1	0.12	10	1.03	440	1	0.03	12	820	-2	0.04	-2	6	13	-20
I147561	431.50	433.00	1.50	Shoulder	I147561	-0.01	0	0	0	0	-0.2	1.97	3	-10	20	-0.5	-2	1.24	-0.5	12	9	14	4.26	10	-1	0.13	10	0.8	454	1	0.03	12	770	-2	0.01	-2	5	16	-20
I147562	433.00	434.20	1.20	Shoulder	I147562	0.01	0	0	0	0.01	-0.2	1.97	-2	-10	20	-0.5	-2	0.92	-0.5	12	9	10	4.22	10	-1	0.13	10	0.78	503	1	0.04	12	760	-2	0.02	-2	4	24	-20
I147563	434.20	435.10	0.90	Series of quartz veins	I147563	-0.01	0	0	0	0	-0.2	1.73	-2	-10	20	-0.5	-2	0.68	-0.5	12	10	2	3.57	10	-1	0.12	10	0.96	415	6	0.04	16	750	-2	0.03	-2	5	8	-20
I147564	441.50	442.50	1.00	Shoulder	I147564	0.01	0	0	0	0.01	-0.2	2.44	2	-10	20	-0.5	-2	0.76	-0.5	15	18	43	5.51	10	-1	0.08	10	1.17	1295	1	0.03	26	350	-2	0.25	-2	4	17	-20
I147565	442.50	443.00	0.50	Chert bed(?); 3-4% pyrite; 1-2% specularite and jasper	I147565	0.02	0	0	0	0.02	0.3	2	23	-10	10	-0.5	-2	1.02	-0.5	40	11	253	8.82	10	-1	0.03	-10	1.11	1285	1	0.01	56	170	-2	3.54	-2	5	6	-20
I147566	443.00	443.50	0.50	5% pyrite as disrupted veins	I147566	0.01	0	0	0	0.01	-0.2	2.68	15	-10	30	-0.5	-2	0.51	-0.5	28	13	282	9.05	10	-1	0.11	10	1.51	1530	1	0.01	44	520	-2	2.94	-2	14	7	-20
I147567	443.50	444.60	1.10	Shoulder	I147567	0.01	0	0	0	0.01	-0.2	1.89	48	-10	60	-0.5	-2	0.69	-0.5	43	82	21	3.68	-10	-1	0.26	-10	0.81	986	1	0.02	62	360	-2	0.05	-2	4	15	-20
I147568	444.60	445.70	1.10	Shoulder	I147568	0.01	0	0	0	0.01	-0.2	2.71	57	-10	40	-0.5	-2	0.96	-0.5	62	159	69	5.61	10	-1	0.17	-10	1.25	1440	1	0.04	89	360	-2	0.24	-2	7	26	-20
I147569	445.70	446.60	0.90	Disseminated pyrite in silica-rich zone (or chert?)	I147569	0.01	0	0	0	0.01	0.3	4.29	13	-10	10	-0.5	2	1.03	-0.5	30	18	300	10.95	10	-1	0.02	10	2.48	2320	1	0.02	29	560	-2	1.7	-2	10	21	-20
I147570	446.60	447.20	0.60	Shoulder	I147570	0.01	0	0	0	0.01	-0.2	3.23	23	-10	10	-0.5	2	2.09	-0.5	47	83	63	6.41	10	-1	0.02	-10	1.99	1610	1	0.03	45	390	-2	0.16	-2	14	34	-20
I147571	455.00	456.00	1.00	Shoulder	I147571	0.01	0	0	0	0.01	0.2	4.25	23	-10	20	-0.5	-2	2.47	-0.5	37	77	96	8.93	10	-1	0.14	-10	2.12	2330	-1	0.02	42	400	-2	0.28	-2	14	17	-20
I147572	456.00	457.00	1.00	2-3% pyrite	I147572	0.01	0	0	0	0.01	0.4	3.27	11	-10	10	-0.5	-2	2.19	-0.5	28	67	282	8.62	10	-1	0.07	10	1.19	1840	-1	0.03	35	240	-2	1.2	-2	11	17	-20
I147573	457.00	457.80	0.80	Shoulder	I147573	0.01	0	0	0	0.01	0.2	3.77	29	-10	20	-0.5	-2	1.84	-0.5	33	166	35	8.5	10	-1	0.12	-10	1.45	1980	-1	0.04	67	280	2	0.03	-2	10	23	-20
I147574	457.80	457.80	0.00	Blank	I147574	0.01	0	0	0	0.01	-0.2	2.8	5	-10	20	-0.5	-2	1.26	-0.5	12	20	3	3.95	10	-1	0.06	20	3.27	504	-1	0.05	20	890	2	0.01	-2	6	36	-20
I147575	457.80	457.80	0.00	Standard-L																																			
I147576	472.25	473.20	0.95	3-4% pyrite	I147576	-0.01	0	0	0	0	-0.2	3.24	20	-10	10	-0.5	-2	2.7	-0.5	19	4	101	8.15	10	-1	0.03	10	1.31	2160	-1	0.03	16	710	-2	1.42	-2	4	86	-20
I147577	473.20	474.20	1.00	3-4% pyrite	I147577	0.01	0	0	0	0.01	-0.2	2.89	25	-10	20	-0.5	-2	0.71	-0.5	24	5	61	7.45	10	-1	0.07	10	1.22	1820	-1	0.04	17	820	-2	1.41	-2	4	16	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357500 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-52-2010	EASTING:	452140 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	518m
START DATE:	May 25th 201(	Line 1+50S; Station 11+85E		CORE SIZE:	NQ
FINISH DATE:	May 31th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**6,50**	**6,50**	**OB**																		**Casing/Overburden**
6,50	**49,20**	**42,70**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
12,62	12,69																				Aplite dyke; 35TCA
15,41	15,50																				Aplite dyke; 25TCA
17,00	17,23																				Quartz-(chlorite) vein
20,38	20,48																				Aplite dyke; 30TCA
33,30	38,25																				Zone of broken core and partially broken core with late hematite/goethite along fractures (due to weathering?). Breccia/shear ?
38,25	41,20																				Hematized zone; contacts are gradational. Schistosity is locally down-dip.
44,70	47,00																				Hematized zone; contacts are gradational.
49,20	**72,35**	**23,15**																			**QFP**
																					Porphyry intrusion; Greenish-grey color; locally 1% disseminated pyrite. Few pyrite stringers. Local micro-fractures/fine carbonate tension fractures occur. Presence of marks on the core from the bit from 51.50 to 52.20m : could affect the results
72,35	**157,70**	**85,35**																			**Granite**
																					Idem as previous granite unit
72,85	73,40																				QFP dyke
77,63	77,67																				Carbonate-quartz vein
85,50	87,80																				Zone of hematization (reddish color)
86,35	86,76																				Quartz-(carbonate) vein
93,52	93,58																				Weak shear zone; tr pyrite; 60TCA
99,73	100,16																				Strong hematization; red color
100,39	100,44																				Strong hematization; red color
100,72	100,74																				A 2cm-thick aplite dyke/vein; 65TCA
110,64	110,66																				A 2cm-thick quartz-chlorite-carbonate vein; 90TCA
110,91	110,95																				A 4cm-thick quartz-chlorite vein; 70TCA
119,21	119,24																				A 3cm-thick carbonate vein; 50TCA
119,29	119,32																				A 3cm-thick tourmaline-quartz vein; 80TCA
119,87	120,60																				Down-dip chlorite-quartz vein
132,65	132,90																				Carbonate/ankerite alteration zone (light beige color)
135,89	135,92																				Quartz-carbonate vein; 50TCA
136,15	136,19																				Quartz-chlorite vein; 80TCA
138,71	138,96																				A weak sheared zone + sericite and tr-1% pyrite; 60TCA
141,75	157,70																				Pervasive carbonate-(sericite) alteration zone (medium-grey color); including carbonate tension fractures
144,34	144,52																				Dense network of carbonate-chlorite veinlets/filled fractures; main orientation: 70TCA
144,76	144,86																				Dense network of carbonate-chlorite veinlets/filled fractures; main orientations: 60 TCA and 70TCA
145,87	145,91																				A 4cm-thick semi-massive chalcopyrite vein (+quartz and tourmaline); 70TCA
147,39	147,40																				A 0.5cm-thick chalcopyrite-(±pyrite) vein; 20TCA
154,15	154,60																				Ankerite/silica alteration zone including tr pyrite and local quartz breccia-vein
157,70	**169,15**	**11,45**																			**QFP**
																					Small porphyry; greenish-grey color. Locally silica/ankerite alteration occurs. Tr-1% disseminated pyrite. No vein occurs
162,15	162,85																				Ankerite/silica alteration(?) zone; including 1-2% disseminated pyrite (euhedral)

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357500 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-52-2010	EASTING:	452140 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	518m
START DATE:	May 25th 201(	Line 1+50S; Station 11+85E		CORE SIZE:	NQ
FINISH DATE:	May 31th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
163,58	163,63																			Ankerite/silica alteration(?) zone; including 1-2% disseminated pyrite (euhedral)
166,60	166,80																			Ankerite/silica alteration(?) zone; including 1-2% disseminated pyrite (euhedral)
169,15	**181,00**	**11,85**																		**Granite**
																				Pervasive carbonate alteration (5-10% carbonate); ± hematized
173,92	174,25																			Schistosity well-developed; 55TCA
181,00	**182,90**	**1,90**																		**Syenite dyke**
																				Locally sericite along micro-fractures. Uphole contact is down-dip. Down-hole contact at 50TCA
182,90	**303,88**	**120,98**																		**Granite**
																				Idem as granite from 6.50m to 49.20m; including several carbonate tension fractures + local carbonate alteration associated
184,00	184,80																			Syenite dyke; locally down-dip; tr pyrite; tr chalcopyrite
196,33	196,41																			A 7cm-thick quartz-(chlorite) vein; 50TCA
201,31	201,33																			A 2cm-thick quartz-(chlorite) vein; 35TCA
203,35	203,51																			Small shear zone; tr pyrite; 45TCA
209,80	211,20																			QFP dyke; dark grey color; very few porphyry
219,75	221,60																			Weak shear zone and/or sericite alteration zone with schistosity well-developed; 70TCA; tr pyrite
231,10	231,46																			Mafic dyke or xenolith(?); 45TCA. Not magnetite
233,75	239,50																			Pervasive sericite-carbonate alteration zone (medium to dark grey color); including local tr pyrite
238,45	238,46																			A 1cm-thick chlorite-carbonate-(pyrite) vein; 80TCA
238,57	238,58																			A 1cm-thick chlorite-carbonate-(pyrite) vein; 60TCA
241,99	242,04																			Carbonate-quartz vein; 80TCA
243,06	243,55																			Mafic dyke; not magnetic; 40TCA
254,82	254,91																			Quartz vein; 90TCA
255,49	255,51																			Carbonate-quartz vein; 80TCA
263,37	263,49																			Down-dip carbonate-(quartz) vein
265,23	265,30																			Chlorite-quartz vein; 75TCA
281,65	281,69																			A 4cm-thick quartz-tourmaline vein; 60TCA
303,88	**314,50**	**10,62**																		**Intermediate volcanic rock**
																				Light grey color; locally presence of porphyry
307,30	309,75																			Shear zone, almost mylonite; 55TCA. Sericite-rich
314,50	**390,57**	**76,07**																		**Mafic volcanic rock**
																				Chlorite-rich; green color. Massive flow/breccia flow. Locally glaumeroporphyry. Locally nodular. Tr-1% disseminated pyrite as euhedral grains. Locally strongly magnetic
315,57	315,68																			Granite dyke
327,80	334,75																			Strongly magnetic zone + glaumeroporphyry
343,83	344,06																			Small QFP dyke + ankerite alteration
355,72	355,92																			Iron formation xenolith/bed; magnetite; tr pyrite
355,99	356,14																			Iron formation xenolith/bed; magnetite; tr pyrite
375,55	375,59																			Quartz-carbonate vein; 40TCA

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357500 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-52-2010	EASTING:	452140 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	518m
START DATE:	May 25th 201(	Line 1+50S; Station 11+85E		CORE SIZE:	NQ
FINISH DATE:	May 31th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
382,42	383,00																				Series of iron formation xenolith; magnetite + pyrrhotite (1-2%)
390,57	**400,88**	**10,31**																			**Gabbro dyke/sill**
400,88	**504,25**	**103,37**																			**Mafic volcanic rock**
																					idem as previous mafic volcanic rock unit
405,68	405,73																				Granite dyke
417,10	418,55																				Nodular basalt and/or glaumeroporphyry(?)
453,39	453,55																				Iron formation xenolith; chlorite-rich, weakly magnetic; 1-2% pyrite
465,77	465,82																				A 2cm-thick semi-massive pyrite vein (±carbonate); 15TCA. Tr-1% chalcopyrite.
486,56	486,66																				A 8cm-thick quartz-ankerite-(pyrite) vein + ankerite alteration zone associated; tr-1% pyrite
487,05	487,65																				Strong carbonate alteration zone; partially broken core
487,65	488,50																				Granite dyke; altered into carbonate
487,78	487,88																				Quartz-carbonate-chlorite vein
495,83	496,22																				Syenite and granite dyke; tr pyrite
504,25	**505,65**	**1,40**																			**QFP dyke**
																					Weak sericite alteration associated. Light greenish-grey color
504,25	504,68																				Kspar-quartz-epidote pegmatite dyke
505,65	**512,25**	**6,60**																			**Granite dyke**
																					Strong and pervasive sericite-(silica) alteration associated giving the rock a dark greenish-grey color. Presence of leucoxene. Contact at 20TCA
512,25	**518,00**	**5,75**																			**Mafic volcanic rock**
																					idem as previous mafic volcanic rock unit
513,65	513,67																				Carbonate vein with semi-massive pyrite along the edges; 60TCA
518,00	**EOH**																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357500 N, NAD83	**AZIMUTH:**	310.00
HOLE NO:	CAR-52-2010	**EASTING:**	452140 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	518m
START DATE:	May 25th 2010			**CORE SIZE:**	NQ
FINISH DATE:	May 31th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_	AU_G/TFA	AU_G/TF	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147276	34.00	35.00	1.00	Breccia/shear; broken core	I147276	-0.01	0	0	0	0	-0.2	1.6	2	-10	40	-0.5	-2	0.46	-0.5	10	21	-1	2.74	10	-1	0.1	30	1.12	370	-1	0.04	16	730	-2	-0.01	-2	4	23	-20
I147277	35.00	36.00	1.00	Breccia/shear; broken core	I147277	-0.01	0	0	0	0	-0.2	1.57	-2	-10	40	-0.5	-2	0.43	-0.5	10	19	-1	2.72	10	-1	0.1	30	1.05	350	-1	0.04	15	720	-2	-0.01	-2	4	21	-20
I147278	48.20	49.20	1.00	Shoulder	I147278	-0.01	0	0	0	0	-0.2	1.34	10	-10	40	-0.5	-2	2.86	-0.5	9	16	7	2.62	-10	-1	0.15	20	0.68	426	-1	0.03	12	670	-2	-0.01	-2	2	82	-20
I147279	49.20	50.00	0.80	QFP	I147279	-0.01	0	0	0	0	-0.2	1.13	9	-10	30	-0.5	-2	2.51	-0.5	8	5	4	2.05	-10	-1	0.17	10	0.47	264	-1	0.03	6	430	-2	-0.01	-2	1	47	-20
I147280	50.00	51.00	1.00	QFP; *marks left on core by bit	I147280	-0.01	0	0	0	0	-0.2	1.08	14	-10	40	-0.5	-2	2.84	-0.5	7	5	5	1.92	-10	-1	0.18	10	0.44	269	-1	0.03	5	430	-2	0.1	-2	1	61	-20
I147281	51.00	52.00	1.00	QFP; *marks left on core by bit	I147281	-0.01	0	0	0	0	-0.2	1.19	10	-10	40	-0.5	-2	2.4	-0.5	6	7	36	2.06	-10	-1	0.17	10	0.52	247	1	0.03	7	450	-2	0.03	-2	1	73	-20
I147282	52.00	53.00	1.00	QFP	I147282	0.01	0	0	0	0.01	0.2	1.17	19	-10	40	-0.5	-2	2.53	-0.5	9	8	17	2.15	-10	-1	0.17	10	0.51	251	1	0.03	7	440	-2	0.17	-2	1	70	-20
I147283	53.00	54.00	1.00	QFP	I147283	-0.01	0	0	0	0	-0.2	1.17	14	-10	40	-0.5	-2	2.36	-0.5	8	8	11	2.1	-10	-1	0.17	10	0.52	243	-1	0.04	8	440	-2	0.18	-2	1	65	-20
I147284	54.00	55.00	1.00	QFP	I147284	0.01	0	0	0	0.01	-0.2	1.24	12	-10	40	-0.5	-2	2.57	-0.5	7	9	15	2.18	-10	-1	0.17	10	0.54	237	-1	0.03	7	450	-2	0.17	-2	1	69	-20
I147285	55.00	56.00	1.00	QFP	I147285	0.01	0	0	0	0.01	-0.2	1.22	12	-10	30	-0.5	-2	2.03	-0.5	8	9	11	2.14	-10	1	0.16	10	0.56	216	-1	0.04	7	430	-2	0.15	-2	1	37	-20
I147286	56.00	57.00	1.00	QFP	I147286	0.01	0	0	0	0.01	-0.2	1.26	10	-10	30	-0.5	-2	1.68	-0.5	8	11	15	2.18	-10	-1	0.15	10	0.6	203	-1	0.04	7	430	-2	0.09	-2	1	33	-20
I147287	57.00	58.00	1.00	QFP	I147287	-0.01	0	0	0	0	-0.2	1.18	8	-10	30	-0.5	-2	2.5	-0.5	8	10	17	2	-10	-1	0.16	10	0.51	257	-1	0.03	6	430	-2	0.03	-2	1	60	-20
I147288	58.00	59.00	1.00	QFP	I147288	-0.01	0	0	0	0	-0.2	1.18	12	-10	30	-0.5	2	2.48	-0.5	8	9	13	2	-10	-1	0.16	10	0.53	273	-1	0.03	7	430	-2	0.04	-2	1	66	-20
I147289	59.00	60.00	1.00	QFP	I147289	0.01	0	0	0	0.01	0.4	1.13	13	-10	30	-0.5	5	2.52	-0.5	8	11	20	1.95	-10	-1	0.15	10	0.51	253	-1	0.03	6	440	-2	0.01	-2	1	69	-20
I147290	60.00	61.00	1.00	QFP	I147290	0.01	0	0	0	0.01	0.2	1.19	12	-10	30	-0.5	-2	2.49	-0.5	8	9	7	1.98	-10	-1	0.16	10	0.53	235	-1	0.04	8	440	-2	-0.01	-2	1	70	-20
I147291	61.00	62.00	1.00	QFP	I147291	-0.01	0	0	0	0	-0.2	1.2	9	-10	40	-0.5	-2	2.51	-0.5	7	9	9	2.03	-10	-1	0.15	10	0.51	223	-1	0.04	7	430	-2	0.01	-2	1	71	-20
I147292	62.00	63.00	1.00	QFP	I147292	-0.01	0	0	0	0	-0.2	1.21	12	-10	40	-0.5	-2	2.23	-0.5	7	10	10	2.19	10	-1	0.16	10	0.53	211	-1	0.04	7	450	-2	0.16	-2	1	63	-20
I147293	63.00	64.00	1.00	QFP	I147293	0.01	0	0	0	0.01	-0.2	1.2	14	-10	30	-0.5	-2	2.05	-0.5	7	9	14	2.14	-10	-1	0.15	10	0.55	200	-1	0.03	7	440	-2	0.15	-2	1	56	-20
I147294	64.00	65.00	1.00	QFP	I147294	0.01	0	0	0	0.01	-0.2	1.16	15	-10	40	-0.5	-2	2.63	-0.5	7	9	18	2.05	-10	-1	0.16	10	0.49	245	-1	0.04	8	450	-2	0.1	-2	1	67	-20
I147295	65.00	66.00	1.00	QFP	I147295	-0.01	0	0	0	0	-0.2	1.11	8	-10	40	-0.5	-2	2.37	-0.5	6	9	12	2.11	-10	-1	0.16	10	0.51	245	-1	0.05	7	440	-2	0.16	-2	1	58	-20
I147296	66.00	67.00	1.00	QFP	I147296	0.01	0	0	0	0.01	-0.2	1.06	22	-10	40	-0.5	-2	2.4	-0.5	12	9	18	2.54	-10	-1	0.18	10	0.47	220	-1	0.04	9	440	2	1	-2	1	72	-20
I147297	67.00	68.00	1.00	QFP	I147297	-0.01	0	0	0	0	-0.2	1.17	5	-10	40	-0.5	-2	2.36	-0.5	6	18	22	2.07	-10	-1	0.17	10	0.53	231	-1	0.04	11	440	-2	0.05	-2	1	79	-20
I147298	68.00	69.00	1.00	QFP	I147298	-0.01	0	0	0	0	-0.2	1.18	8	-10	40	-0.5	2	2.54	-0.5	6	9	22	2.07	-10	-1	0.19	10	0.53	261	-1	0.04	8	440	-2	0.05	-2	1	87	-20
I147299	69.00	69.00	0.00	Blank	I147299	-0.01	0	0	0	0	-0.2	2.26	-2	-10	20	-0.5	-2	0.58	-0.5	12	23	-1	3.75	10	-1	0.08	30	2.22	427	-1	0.08	19	940	-2	0.01	-2	5	18	-20
I147300	69.00	69.00	0.00	Standard-H																																			
I147301	69.00	70.00	1.00	QFP																																			
I147302	70.00	71.00	1.00	QFP	I147302	-0.01	0	0	0	0	-0.2	1.19	6	-10	40	-0.5	-2	2.08	-0.5	7	7	36	2.27	-10	-1	0.19	10	0.53	216	-1	0.04	7	440	-2	0.31	-2	1	60	-20
I147303	71.00	72.35	1.35	QFP	I147303	0.09	0	0	0	0.09	0.3	1.12	8	-10	50	-0.5	2	2.34	-0.5	9	6	124	2.13	-10	-1	0.21	10	0.49	237	-1	0.05	7	450	-2	0.25	-2	1	69	-20
I147304	72.35	73.40	1.05	Granite + QFP dyke	I147304	0.04	0	0	0	0.04	-0.2	1.23	9	-10	40	-0.5	-2	2.6	-0.5	14	12	251	2.4	-10	-1	0.17	20	0.59	310	1	0.03	14	590	4	0.28	-2	1	78	-20
I147305	73.40	74.25	0.85	Shoulder	I147305	0.01	0	0	0	0.01	-0.2	1.5	5	-10	50	-0.5	-2	2.46	-0.5	10	19	36	2.89	10	-1	0.14	30	0.77	405	-1	0.05	15	700	-2	0.07	-2	3	76	-20
I147306	99.00	99.70	0.70	Shoulder	I147306	-0.01	0	0	0	0	-0.2	1.46	-2	-10	90	-0.5	-2	1.31	-0.5	10	20	16	2.39	10	-1	0.3	30	0.79	427	1	0.05	15	720	-2	-0.01	-2	3	83	-20
I147307	99.70	100.75	1.05	Strong hematization	I147307	-0.01	0	0	0	0	0.2	1.34	3	-10	110	-0.5	-2	1.78	-0.5	10	19	14	2.49	10	-1	0.34	30	0.73	469	1	0.04	13	700	-2	-0.01	-2	4	84	-20
I147308	100.75	102.00	1.25	Shoulder	I147308	-0.01	0	0	0	0	-0.2	1.46	3	-10	80	-0.5	-2	1.27	-0.5	10	21	19	2.45	-10	-1	0.32	30	0.81	436	-1	0.05	15	720	-2	0.01	-2	3	82	-20
I147309	138.00	138.65	0.65	Shoulder	I147309	-0.01	0	0	0	0	-0.2	1.51	9	-10	40	-0.5	-2	2	-0.5	10	22	15	2.71	10	-1	0.13	30	0.85	472	3	0.05	16	740	-2	-0.01	-2	4	74	-20
I147310	138.65	139.15	0.50	Weak sheared zone; tr-1% pyrite	I147310	0.06	0	0	0	0.06	0.4	1.22	14	-10	50	-0.5	-2	3.07	-0.5	11	16	511	2.33	-10	1	0.24	40	0.6	447	1	0.02	14	740	-2	0.29	-2	1	57	-20
I147311	139.15	140.00	0.85	Shoulder	I147311	0.01	0	0	0	0.01	-0.2	1.4	5	-10	40	-0.5	-2	2.39	-0.5	10	21	103	2.58	10	-1	0.14	30	0.77	445	-1	0.04	13	740	-2	0.02	-2	3	71	-20
I147312	144.00	145.00	1.00	Carbonate-chlorite micro-fractures	I147312	-0.01	0	0	0	0	-0.2	1.84	-2	-10	30	-0.5	-2	0.56	-0.5	10	20	13	2.82	10	-1	0.1	20	1.67	261	1	0.04	14	680	-2	-0.01	-2	4	16	-20
I147313	145.00	145.75	0.75	Shoulder	I147313	-0.01	0	0	0	0	-0.2	1.51	3	-10	50	-0.5	-2	1.18	-0.5	10	22	73	2.66	10	-1	0.15	20	0.99	299	1	0.06	14	690	-2	0.04	-2	4	38	-20
I147314	145.75	146.25	0.50	Local semi-massive chalcopyrite vein (+quartz-tourmaline)	I147314	0.07	0	0	0	0.07	2.4	1.44	20	-10	40	-0.5	10	1.35	-0.5	13	18	8120	3.58	10	-1	0.15	20	0.86	325	1	0.04	17	720	-2	1.15	-2	3	38	-20
I147315	146.25	147.15	0.90	Shoulder	I147315	0.02	0	0	0	0.02	0.4	1.42	2	-10	50	-0.5	-2	2	-0.5	10	20	290	2.63	10	-1	0.16	30	0.79	379	1	0.05	14	700	-2	0.07	-2	3	60	-20
I147316	147.15	147.65	0.50	Local chalcopyrite-pyrite veinlet	I147316	0.11	0	0	0	0.11	2.2	1.44	12	-10	40	-0.5	-2	2.07	-0.5	15	20	3520	3.06	10	-1	0.12	30	0.82	399	-1	0.04	19	700	-2	0.53	-2	3	56	-20
I147317	147.65	148.50	0.85	Shoulder	I147317	0.02	0	0	0	0.02	0.2	1.5	-2	-10	40	-0.5	-2	2.09	-0.5	10	20	67	2.68	10	1	0.14	30	0.81	386	-1	0.05	14	710	-2	0.01	-2	3	79	-20
I147318	153.00	154.00	1.00	Shoulder	I147318	0.01	0	0	0	0.01	-0.2	3.78	3	-10	40	0.5	-2	0.34	-0.5	20	22	175	4.65	10	1	0.17	50	4.38	411	1	0.04	21	1150	-2	0.12	-2	5	14	-20
I147319	154.00	154.70	0.70	Local ankerite/silica alteration + tr-1% pyrite	I147319	0.07	0	0	0	0.07	1.2	2.3	6	-10	20	-0.5	-2	0.58	-0.5	15	22	12	3.13	10	-1	0.08	40	2.24	301	68	0.05	18	900	8	0.08	-2	4	13	-20
I147320	154.70	156.20	1.50	Shoulder	I147320	0.01	0	0	0	0.01	0.2	2.12	-2	-10	20	-0.5	-2	0.27	-0.5	10	19	4	2.95	10	-1	0.09	30	2.12	192	12	0.04	14	720	-2	0.01	-2	4	11	-20
I147321	156.20	157.70	1.50	Shoulder	I147321	0.04	0	0	0	0.04	0.2	2.02	2	-10	20	-0.5	-2	0.21	-0.5	10	19	2	2.85	10	1	0.08	20	2.05	153	1	0.03	16	700	-2	0.04	-2	3	10	-20
I147322	157.70	158.50	0.80	QFP	I147322	-0.01	0	0	0	0	-0.2	1.14	6	-10	20	-0.5	-2	0.12	-0.5	6	8	-1	1.49	10	-1	0.1	20	1.2	90	1	0.05	5	410	-2	0.13	-2	1	8	-20
I147323	158.50	159.40	0.90	QFP	I147323	-0.01	0	0	0	0	-0.2	1.24	2	-10	30	-0.5	-2	0.1	-0.5	5	6	-1	1.49	10	-1	0.14	10	1.27	89	-1	0.04	4	380	-2	0.03	-2	1	8	-20
I147324	159.40	159.40	0.00	Blank	I147324	-0.01	0	0	0	0	-0.2	2.41	-2	-10	30	-0.5	-2	0.76	-0.5	13	22	-1	3.98	10	1	0.1	30	2.25	436	-1	0.06	19	980	-2	-0.01	-2	5	21	-20
I147325	159.40	159.40	0.00	Standard-L																																			
I147326	159.40	160.25	0.85	QFP																																			
I147327	160.25	161.25	1.00	QFP	I147327	0.02	0	0	0	0.02	-0.2	1.04	4	-10	20	-0.5	-2	0.14	-0.5	5	6	-1	1.44	10	-1	0.09	10	0.97	100	-1	0.05	4	380	-2	0.11	-2	1	8	-20
I147328	161.25	162.15	0.90	QFP	I147328	0.01	0	0	0	0.01	-0.2	1.19	8	-10	40	-0.5	-2	0.11	-0.5	6	6	-1	1.51	10	-1	0.15	10	1.21	117	-1	0.04	4	380	-2	0.26	-2	1	9	-20
I147329	162.15	162.85	0.70	QFP; ankerite/silica alteration	I147329	0.01	0	0	0	0.01	-0.2	1.01	9	-10	30	-0.5	-2	0.1	-0.5	6	6	-1	1.34	10	-1	0.13	10	0.99	90	-1	0.05	4	400	-2	0.24	-2	1	8	-20
I147330	162.85	163.45	0.60	QFP	I147330	0.01	0	0	0	0.01	-0.2	1.17	10	-10	20	-0.5	-2	0.15	-0.5	6	7	-1	1.66	10	-1	0.1	10	1.16	126	-1	0.06	5	430	-2	0.27	-2	1	8	-20
I147331	163.45	164.00	0.55	QFP; ankerite/silica alteration	I147331	0.01	0	0	0	0.01	-0.2	1.18	22	-10	30	-0.5	-2	0.12	-0.5	8	6	-1	1.7	10	-1	0.13	10	1.2	124	-1	0.05	4	420	-2	0.43	-2	1	8	-20
I147332	164.00	165.00	1.00	QFP	I147332	0.07	0	0	0	0.07	-0.2	1.09	20	-10	40	-0.5	-2	0.11	-0.5	8	5	-1	1.64	10	-1	0.17	10	1	117	-1	0.04	4	380	-2	0.4	-2	1	8	-20
I147333	165.00	166.00	1.00	QFP	I147333	0.10	0	0	0	0.1	-0.2	0.84	27	-10	30	-0.5	-2	0.8	-0.5	7	5	-1	1.51	-10	-1	0.16	10	0.59	144	-1	0.04	4	410	-2	0.49	-2	1	14	-20
I147334	166.00	167.00	1.00	QFP	I147334	0.25	0	0	0	0.25	-0.2	1.03	8	-10	40	-0.5	-2	2.3	-0.5	10	3	-1	1.8	-10	-1	0.2	10	0.5	290	-1	0.05	5	510	-2	0.32	-2	1	50	-20
I147335	167.00	168.00	1.00	QFP	I147335	0.01	0	0	0	0.01	-0.2	1.03	5	-10	40	-0.5	-2	2.63	-0.5	8	4	-1	1.71	-10	-1	0.18	10	0.43	285	-1	0.05	5	500	-2	0.11	-2	1	53	-20
I147336	168.00	169.15	1.15	QFP	I147336	0.01	0	0	0	0.01	-0.2	1.97	-2	-10	40	-0.5	-2	7	-0.5	14	17	-1	3.43	10	-1	0.16	20	1	554	-1	0.04	17	950	-2	0.08	-2	3	165	-20
I147337	169.15	170.00	0.85	Shoulder	I147337	-0.01	0	0	0	0	-0.2	1.37	-2	-10	50	-0.5	-2	2.54	-0.5	9	17	81	2.56	10	-1	0.16	30	0.73	482	-1	0.04	14	710	-2	-0.01	-2	2	77	-20
I147338	180.00	181.00	1.00	Shoulder	I147338	0.01	0	0	0	0.01	-0.2	0.73	-2	-10	40	-0.5	-2	1.56	-0.5	5	14	29	1.38	-10	-1	0.11	20	0.37	269	1	0.05	6	360	-2	-0.01	-2	1	32	-20
I147339	181.00	182.00	1.00	Syenite dyke	I147339	0.03	0	0	0	0.03	0.2	0.19	-2	-10	30	-0.5	-2	0.83	-0.5	1	10	2	0.3	-10	-1	0.09	20	0.02	109	2	0.07	-1	30	-2	-0.01	-2	-1	24	20
I147340	182.00	182.90	0.90	Syenite dyke	I147340	-0.01	0	0	0	0	-0.2	0.18	2	-10	30	-0.5	-2	0.84	-0.5	-1	10	7	0.3	-10	-1	0.08	20	0.02	110	3	0.07	4	30	3	-0.01	-2	-1	22	20
I147341	182.90	184.00	1.10	Granite; shoulder	I147341	0.05	0	0	0	0.05	-0.2	1.23	2	-10	50	-0.5	-2	2.14	-0.5	9	19	15	2.45	10	-1	0.13	30	0.71	474	-1	0.05	14	690	-2	0.02	-2	2	82	-20
I147342	184.00	184.80	0.80	Syenite dyke; tr pyrite; tr chalcopyrite	I147342	-0.01	0	0	0	0	0.2	0.96	5	-10	40	-0.5	-2	1.86	-0.5	7	16	28	1.87	-10	-1	0.11	30	0.51	366	1	0.07	10	460	-2	0.03	-2	2	70	-20
I147343	184.80	185.50	0.70	Shoulder	I147343	-0.01	0	0	0	0	-0.2	1.26	2	-10	50	-0.5	-2	2.34	-0.5	9	16	16	2.4	-10	-1	0.17	30	0.67	427	-1	0.05	13	670	2	0.02	-2	2	57	-20
I147344	202.50	203.30	0.80	Shoulder	I147344	-0.01	0	0	0	0	0.2	1.43	180	-10	40	-0.5	-2	1.75	-0.5	9	21	12	2.57	10	-1	0.11	30	0.77	412	-1	0.09	14	690	-2	0.01	-2	3	77	-20
I147345	203.30	204.00	0.70	Local shear zone	I147345	0.01	0	0	0	0.01	-0.2	1.46	8	-10	70	-0.5	-2	2.21	-0.5	9	15	12	2.62	-10	-1	0.22	30	0.74	448	-1	0.07	12	700	-2	0.03	-2	2	52	-20
I147346	204.00	204.75	0.75	Shoulder	I147346	0.01	0	0	0	0.01	-0.2	1.41	5	-10	40	-0.5	-2	1.6	-0.5	9	19	12	2.55	10	-1	0.11	30	0.77	408	-1	0.09	13	680	-2	0.01	-2	3	76	-20
I147347	209.00	209.80	0.80	Shoulder	I147347	-0.01	0	0	0	0	-0.2	1.73	4	-10	40	-0.5	-2	3.35	-0.5	10	18	75	2.84	10	-1	0.14	30	0.95	511	-1	0.12	14	780	-2	0.02	-2	4	95	-20
I147348	209.80	210.50	0.70	QFP dyke	I147348	0.01	0	0	0	0.01	-0.2	1.53	4	-10	60	-0.5	2	1.53	-0.5	11	9	121	2.77	10	-1	0.22	10	0.74	351	-1	0.11	9	530	-2	0.11	-2	1	29	-20
I147349	210.50	210.50	0.00	Blank	I147349	-0.01	0	0	0	0	-0.2	1.85	2	-10	20	-0.5	-2	0.43	-0.5	12	35	11	3.4	10	-1	0.05	20	1.79	339	-1	0.12	19	770	-2	-0.01	-2	4	17	-20
I147350	210.50	210.50	0.00	Standard-H																																			
I147351	210.50	211.20	0.70	QFP dyke																																			
I147352	211.20	212.00	0.80	Shoulder	I147352	0.02	0	0	0	0.02	-0.2	1.8	2	-10	50	-0.5	-2	3.87	-0.5	12	18	140	3.06	10	-1	0.16	30	0.94	538	-1	0.12	16	830	-2	0.04	-2	3	122	-20
I147353	219.25	220.70	1.45	Weak shear zone	I147353	-0.01	0	0	0	0	-0.2	1.47	-2	-10	70	-0.5	-2	3.33	-0.5	9	14	53	2.58	-10	-1	0.32	30	0.63	462	-1	0.06	13	740	-2	0.03	-2	2	75	-20
I147354	220.70	221.60	0.90	Weak shear zone	I147354	-0.01	0	0	0	0	-0.2	1.38	-2	-10	60	-0.5	-2	2.13	-0.5	9	19	8	2.37	-10	-1	0.29	30	0.64	388	-1	0.05	12	730	-2	0.02	-2	2	51	-20
I147355	237.50	238.25	0.75	Shoulder	I147355	-0.01	0	0	0	0	-0.2	1.6	2	-10	60	-0.5	-2	2.54	-0.5	10	18	27	2.85	-10	-1	0.25	30	0.77	443	-1	0.07	14	780	-2	0.04	-2	2	57	-20
I147356	238.25	238.75	0.50	Local chlorite-carbonate-(pyrite) veinlets	I147356	-0.01	0	0	0	0	-0.2	1.55	2	-10	50	-0.5	-2	2.41	-0.5	9	16	9	2.72	10	-1	0.23	30	0.74	448	-1	0.08	13	700	-2	0.02	-2	2	63	-20
I147357	238.75	239.50	0.75	Shoulder	I147357	0.01	0	0	0	0.01	-0.2	1.63	-2	-10	60	-0.5	-2	2.56	-0.5	10	17	11	2.84	-10	-1	0.23	30	0.76	480	-1	0.1	13	740	-2	0.03	-2	2	75	-20
I147358	306.00	307.30	1.30	Shoulder	I147358	0.01	0	0	0	0.01	-0.2	1.65	12	-10	40	-0.5	-2	3.78	-0.5	11	7	19	2.99	-10	-1	0.25	10	0.45	736	-1	0.05	17	530	-2	0.02	-2	2	37	-20
I147359	307.30	308.00	0.70	Shear zone	I147359	0.01	0	0	0	0.01	0.2	1.62	22	-10	30	-0.5	-2	2.87	0.5	13	4	27	2.99	-10	-1	0.25	10	0.5	664	-1	0.01	20	570	9	0.06	-2	1	33	-20
I147360	308.00	309.00	1.00	Shear zone	I147360	0.01	0	0	0	0.01	-0.2	1.59	17	-10	40	-0.5	-2	2.07	-0.5	12	4	29	2.73	-10	-1	0.28	10	0.43	509	-1	0.02	18	590	3	0.05	-2	1	26	-20
I147361	309.00	309.75	0.75	Shear zone	I147361	0.01	0	0	0	0.01	-0.2	1.5	11	-10	40	-0.5	-2	2.9	-0.5	9	5	11	2.54	-10	-1	0.27	10	0.41	598	-1	0.02	15	560	-2	0.01	-2	1	38	-20
I147362	309.75	310.50	0.75	Shoulder	I147362	0.01	0	0	0	0.01	-0.2	1.67	5	-10	40	-0.5	-2	2.56	-0.5	8	9	40	3.01	-10	-1	0.17	10	0.53	643	-1	0.06	14	540	-2	0.02	-2	2	31	-20
I147363	343.70	344.20	0.50	QFP dyke	I147363	0.01	0	0	0	0.01	-0.2	1.73	-2	-10	40	-0.5	-2	0.96	-0.5	7	6	-1	3.2	-10	-1	0.15	20	0.67	733	-1	0.06	13	550	2	-0.01	-2	2	24	-20
I147364	465.00	465.50	0.50	Shoulder	I147364	0.01	0	0	0	0.01	-0.2	2.41	8	-10	50	-0.5	-2	1.06	-0.5	21	5	39	5.49	10	-1	0.1	10	0.89	882	-1	0.06	10	880	-2	0.21	-2	3	37	-20
I147365	465.50	466.00	0.50	2cm-thick semi-massive pyrite vein; tr-1% chalcopyrite	I147365	0.09	0	0	0	0.09	0.4	3.06	18	-10	20	-0.5	-2	1.6	-0.5	53	4	270	8.43	10	-1	0.05	10	1.29	1210	-1	0.07	11	920	-2	1.79	-2	3	30	-20
I147366	466.00	466.50	0.50	Shoulder	I147366	1.63	0	0	0	1.63	-0.2	2.84	6	-10	10	-0.5	-2	1.53	-0.5	23	5	33	5.9	10	-1	0.04	10	1.39	1025	-1	0.07	7	890	-2	0.02	-2	4	45	-20
I147367	485.40	486.40	1.00	Shoulder	I147367	0.01	0	0	0	0.01	-0.2	3.59	3	-10	20	-0.5	-2	0.49	-0.5	16	3	3	5.96	10	-1	0.13	10	3.13	618	-1	0.05	12	890	-2	0.02	2	8	7	-20
I147368	486.40	487.05	0.65	Quartz-ankerite vein; tr-1% pyrite	I147368	0.01	0	0	0	0.01	-0.2	1.37	4	-10	30	-0.5	-2	0.29	-0.5	8	4	5	2.36	-10	-1	0.17	20	1.11	230	2	0.04	10	400	2	0.11	-2	3	2	-20
I147369	487.05	487.65	0.60	Ank(?) alteration zone	I147369	-0.01	0	0	0	0	-0.2	3.21	2	-10	30	-0.5	-2	0.33	-0.5	18	10	1	4.02	10	-1	0.17	10	3.94	467	2	0.02	17	710	-2	0.14	-2	4	4	-20
I147370	487.65	488.50	0.85	Granite dyke; ankerite alteration	I147370	-0.01	0	0	0	0	-0.2	0.88	2	-10	20	-0.5	-2	1.96	-0.5	5	8	9	1.3	-10	-1	0.1	10	0.77	246	2	0.07	5	210	-2	0.01	-2	3	10	-20
I147371	488.50	489.00	0.50	Shoulder	I147371	0.01	0	0	0	0.01	-0.2	5.56	15	-10	20	-0.5	-2	4.66	-0.5	36	167	12	7.2	10	1	0.08	-10	4.85	1465	1	0.03	177	270	2	0.01	-2	13	67	-20
I147372	495.00	495.80	0.80	Shoulder	I147372	0.01	0	0	0	0.01	-0.2	4.79	3	-10	-10	-0.5	-2	3.74	-0.5	42	139	82	6.24	10	-1	0.01	-10	4.24	1135	-1	0.03	162	330	-2	0.03	-2	10	60	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357829 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-53-2010	EASTING:	451646E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	170m
START DATE:	June 1st 2010	Line 7+00E; Station 1+75N		CORE SIZE:	NQ
FINISH DATE:	June 3rd 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensit					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	4,50	4,50	OB																		Casing/Overburden
4,50	170,00	165,50																			Granite
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
4,50	19,20																				Pervasive carbonate alteration (light grey color). Locally weathered
8,45	8,83																				Weak shear zone (sericite-rich); tr pyrite. Shear: 50TCA
8,83	8,85																				Carbonate-pyrite veinlet; 25TCA; 2-3% pyrite
9,75	10,00																				Sericite-rich zone including 1-2% as disseminated grains and fine stringers
9,95	9,96																				A 1cm-thick quartz vein; 40TCA
16,47	16,48																				Carbonate-pyrite veinlet; 50TCA; 2-3% pyrite
26,16	26,20																				Quartz vein; 30TCA
28,40	29,00																				Carbonate-sericite alteration zone associated with micro-fractures (with tr-1% pyrite associated)
32,55	41,89																				Carbonate alteration zone (light grey color); including several rounded xenoliths
39,00	40,25																				Strong silica-carbonate alteration zone including tr-1% disseminated pyrite (dark grey color)
39,10	39,20																				2-3% pyrite as veinlets and within a carbonate-quartz vein system (25TCA)
42,70	44,45																				carbonate-(sericite) alteration zone; grey color
45,53	45,54																				A 1cm-thick carbonate-pyrite vein; 60TCA
46,60	47,35																				Down-dip and disrupted QFP dyke; hematized (pinkish color)
51,00	51,85																				Carbonate-sericite alteration zone (grey color)
51,14	51,16																				Disrupted quartz vein
51,85	53,15																				Pervasive ankerite/sericite-silica alteration zone (beige-brown color); Locally tr pyrite
52,53	52,58																				Down-dip quartz vein (1cm-thick)
53,15	53,65																				QFP dyke; hematized (pinkish color); 10TCA
57,15	59,13																				Carbonate-silica alteration zone including several carbonate veinlets; dark grey color
60,18	60,19																				A 1cm-thick quartz-chlorite vein; 60TCA
62,90	66,20																				Carbonate alteration zone (grey color)
67,67	67,82																				Aplite (?) dyke
68,37	68,44																				Aplite (?) dyke
70,60	74,30																				Carbonate-sericite-silica alteration zone (dark grey color)
71,41	72,00																				Series of three quartz-(pyrite) veins (cm-thick; at a ~25cm interval; 25-40TCA)
74,30	75,15																				QFP dyke; hematized(?) or Kspar-rich(?)
75,15	85,00																				Pervasive carbonate-(sericite) alteration zone (grey color); downhole contact is gradational; including several carbonate tension fractures/veinlets
76,20	76,52																				QFP dyke; hematized(?) or Kspar-rich(?)
86,47	86,68																				QFP dyke; hematized
98,70	105,60																				Weak carbonate alteration zone (light grey) including several carbonate veinlets/tension fractures.
107,92	107,97																				A 5cm-thick aplite dyke; 70TCA
112,20	112,92																				Weak carbonate alteration zone (±ankerite); light greyish-beige color)
120,41	120,43																				A 1cm-thick carbonate-pyrite vein; 30TCA; 1-2% pyrite
120,90	124,60																				Pervasive and strong silica-carbonate-sericite alteration zone (dark grey color)
121,90	122,08																				Series of thin quartz veins (<1cm-thick); 60TCA; with tr pyrite associated
126,53	127,00																				Series of pyrite-carbonate stringers (at a 5 to 15cm interval; 40TCA); a weak carbonate alteration is associated (light grey color); 1-2% pyrite
133,45	136,40																				Silica-carbonate alteration zone (medium to dark grey color)

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357829 N, NAD83	**AZIMUTH:**	310
HOLE NO:	CAR-53-2010	**EASTING:**	451646E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	170m
START DATE:	June 1st 2010	**Line 7+00E; Station 1+75N**		**CORE SIZE:**	NQ
FINISH DATE:	June 3rd 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
141,20	142,30																		
143,55	154,20																		
153,50	153,82																		
158,30	160,10																		
166,00	170,00																		
170,00	**EOH**																		

COMMENTS
Weak sericite-carbonate alteration zone
Carbonate alteration zone (light grey color); including several carbonate veinlets/tension fractures
Local hematization
Weak carbonate alteration zone
Carbonate-silica alteration zone (medium-grey color)

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357829 N, NAD83	**AZIMUTH:**	310.00
HOLE NO:	CAR-53-2010	**EASTING:**	451646E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	170m
START DATE:	June 1st 2010			**CORE SIZE:**	NQ
FINISH DATE:	June 3rd 2010				

Sample	Depth	Depth	Sample	Rock Code	Assay Results																																		
Number	From	To	Interval	Comment	SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147389	7.45	8.45	1.00	Shoulder	I147389	0.01	0	0	0	0.01	-0.2	0.73	4	-10	50	-0.5	-2	2.19	-0.5	9	11	13	2.39	-10	-1	0.23	40	0.81	588	1	0.05	10	690	-2	0.13	-2	1	91	-20
I147390	8.45	9.00	0.55	Local pyrite stringers	I147390	0.44	0	0	0	0.44	1.1	0.5	43	-10	50	-0.5	-2	2.48	-0.5	11	4	57	2.77	-10	-1	0.33	30	0.71	617	2	0.03	6	760	3	1.1	-2	1	90	-20
I147391	9.00	9.75	0.75	Shoulder	I147391	0.04	0	0	0	0.04	0.2	0.65	13	-10	50	-0.5	-2	2.85	-0.5	11	7	23	2.71	-10	-1	0.27	30	0.79	720	2	0.04	12	820	2	0.23	-2	2	150	-20
I147392	9.75	10.25	0.50	Local quartz veinlets	I147392	-0.01	0	0	0	0	-0.2	0.7	12	-10	50	-0.5	-2	2.65	-0.5	11	11	14	2.89	-10	-1	0.26	30	0.77	798	1	0.05	13	840	3	0.22	-2	2	141	-20
I147393	10.25	11.00	0.75	Shoulder	I147393	0.02	0	0	0	0.02	-0.2	0.86	11	-10	50	-0.5	-2	2.24	-0.5	10	15	18	3.06	-10	-1	0.22	40	0.76	650	1	0.06	13	760	-2	0.12	-2	3	113	-20
I147394	15.20	16.20	1.00	Shoulder	I147394	0.01	0	0	0	0.01	0.2	0.81	4	-10	60	-0.5	-2	1.65	-0.5	6	10	11	1.67	-10	-1	0.25	30	0.37	368	2	0.06	11	480	2	0.02	-2	1	80	-20
I147395	16.20	16.70	0.50	Local carbonate-pyrite veinlets	I147395	0.04	0	0	0	0.04	0.2	0.57	25	-10	60	-0.5	-2	1.49	-0.5	5	5	115	1.41	-10	-1	0.32	20	0.17	284	2	0.04	5	470	-2	0.53	-2	-1	59	-20
I147396	16.70	17.50	0.80	Shoulder	I147396	0.03	0	0	0	0.03	-0.2	0.69	4	-10	60	-0.5	-2	1.81	-0.5	5	7	45	1.35	-10	-1	0.3	30	0.28	318	3	0.04	5	500	-2	0.09	-2	1	76	-20
I147397	27.70	28.40	0.70	Shoulder	I147397	0.01	0	0	0	0.01	-0.2	1.1	8	-10	70	-0.5	-2	1.16	-0.5	7	13	8	1.91	-10	-1	0.38	40	0.57	325	1	0.06	10	550	3	0.01	-2	2	70	-20
I147398	28.40	29.00	0.60	Tr-1% pyrite	I147398	0.01	0	0	0	0.01	0.2	0.78	6	-10	50	-0.5	-2	1.79	7.4	5	7	25	1.52	-10	-1	0.24	30	0.35	318	1	0.06	7	460	3	0.15	-2	1	47	-20
I147399	29.00	29.00	0.00	Blank	I147399	-0.01	0	0	0	0	-0.2	1.71	-2	-10	30	-0.5	-2	0.38	-0.5	9	16	1	2.78	10	-1	0.08	20	1.78	340	1	0.07	13	660	-2	0.01	-2	4	26	-20
I147400	29.00	29.00	0.00	Standard-H																																			
I147401	29.00	30.00	1.00	Shoulder																																			
I147402	38.00	39.00	1.00	Shoulder	I147402	-0.01	0	0	0	0	0.3	1.24	3	-10	50	-0.5	-2	2.67	-0.5	9	12	16	2.33	10	-1	0.24	40	0.7	476	2	0.05	14	640	2	0.03	-2	2	134	-20
I147403	39.00	39.50	0.50	2-3% pyrite	I147403	1.56	0	0	0	1.56	1	0.94	36	-10	50	-0.5	-2	2.15	-0.5	8	5	70	2.3	-10	-1	0.29	10	0.49	371	1	0.04	10	600	5	0.85	-2	1	78	-20
I147404	39.50	40.25	0.75	Shoulder	I147404	0.01	0	0	0	0.01	0.3	2.06	6	-10	50	-0.5	-2	3.72	-0.5	17	12	141	3.82	10	-1	0.43	30	1.23	698	2	0.07	42	1250	5	0.2	-2	4	197	-20
I147405	44.80	45.40	0.60	Shoulder	I147405	0.01	0	0	0	0.01	-0.2	1.28	3	-10	50	-0.5	-2	1.57	-0.5	9	14	9	2.13	-10	-1	0.47	20	0.65	345	-1	0.07	15	610	2	0.02	-2	3	79	-20
I147406	45.40	46.00	0.60	Local carbonate-pyrite veinlet	I147406	0.04	0	0	0	0.04	-0.2	1.32	8	-10	80	-0.5	-2	1.27	-0.5	10	13	18	2.16	10	-1	0.64	20	0.68	339	-1	0.06	16	660	2	0.18	-2	2	69	-20
I147407	46.00	46.60	0.60	Shoulder	I147407	0.01	0	0	0	0.01	-0.2	1.36	5	-10	80	-0.5	-2	0.93	-0.5	9	13	5	2.02	-10	-1	0.75	20	0.74	318	-1	0.06	16	630	3	0.02	-2	3	79	-20
I147408	46.60	47.35	0.75	Down-dip QFP dyke; hematized	I147408	0.01	0	0	0	0.01	-0.2	0.92	4	-10	70	-0.5	-2	0.91	-0.5	6	13	6	1.53	-10	-1	0.49	20	0.42	245	1	0.06	9	380	4	0.02	-2	3	61	-20
I147409	47.35	48.00	0.65	Shoulder	I147409	0.01	0	0	0	0.01	-0.2	1.09	4	-10	50	-0.5	-2	2.11	-0.5	8	13	6	1.92	-10	-1	0.34	30	0.54	383	1	0.05	12	580	2	0.11	-2	2	70	-20
I147410	51.00	51.85	0.85	Shoulder	I147410	-0.01	0	0	0	0	-0.2	1.15	3	-10	50	-0.5	-2	2.39	-0.5	7	13	9	2.03	-10	-1	0.22	30	0.58	392	4	0.06	13	620	-2	0.03	-2	1	70	-20
I147411	51.85	52.50	0.65	Ankerite/sericite-silica alteration zone	I147411	-0.01	0	0	0	0	-0.2	0.99	-2	-10	30	-0.5	-2	2.69	-0.5	6	9	10	1.78	-10	-1	0.17	20	0.47	379	1	0.06	10	530	-2	0.03	-2	1	73	-20
I147412	52.50	53.15	0.65	Ankerite/sericite-silica alteration zone	I147412	0.02	0	0	0	0.02	-0.2	1.17	4	-10	50	-0.5	-2	2.03	-0.5	10	29	19	2.12	-10	-1	0.28	30	0.53	369	5	0.06	17	570	-2	0.1	-2	1	73	-20
I147413	53.15	53.65	0.50	QFP dyke	I147413	-0.01	0	0	0	0	-0.2	0.9	3	-10	50	-0.5	-2	1.61	-0.5	6	13	10	1.52	-10	-1	0.31	20	0.4	279	3	0.07	9	400	2	0.04	-2	1	71	-20
I147414	53.65	54.40	0.75	Shoulder	I147414	-0.01	0	0	0	0	-0.2	1.24	3	-10	60	-0.5	-2	1.64	-0.5	8	17	5	2.04	-10	-1	0.54	30	0.64	341	5	0.07	14	600	3	0.02	-2	3	83	-20
I147415	70.60	71.30	0.70	Shoulder	I147415	-0.01	0	0	0	0	-0.2	1.33	-2	-10	60	-0.5	-2	2.54	-0.5	8	16	8	2.29	-10	-1	0.24	30	0.63	420	1	0.09	14	630	2	0.02	-2	1	106	-20
I147416	71.30	72.15	0.85	Series of cm-thick quartz-(pyrite) veins	I147416	0.32	0	0	0	0.32	0.3	1.15	20	-10	50	-0.5	2	2.25	-0.5	10	10	58	2.29	-10	-1	0.3	20	0.52	344	2	0.03	13	610	3	0.6	-2	1	78	-20
I147417	72.15	73.25	1.10	Shoulder	I147417	-0.01	0	0	0	0	-0.2	1.19	3	-10	50	-0.5	-2	2.74	-0.5	7	11	26	1.83	-10	-1	0.29	30	0.53	381	1	0.05	13	650	-2	0.04	-2	1	107	-20
I147418	73.25	74.30	1.05	Shoulder	I147418	-0.01	0	0	0	0	-0.2	1.23	-2	-10	50	-0.5	-2	2.4	-0.5	8	15	9	2.18	-10	-1	0.2	30	0.62	370	1	0.07	14	630	-2	0.03	-2	1	104	-20
I147419	74.30	75.15	0.85	QFP dyke; hematized	I147419	-0.01	0	0	0	0	-0.2	0.43	-2	-10	30	-0.5	-2	1.1	-0.5	2	9	12	0.89	-10	-1	0.15	20	0.13	150	1	0.07	4	200	-2	0.02	-2	-1	50	-20
I147420	75.15	76.20	1.05	Shoulder	I147420	-0.01	0	0	0	0	-0.2	1.18	-2	-10	40	-0.5	-2	2.33	-0.5	8	16	9	2.22	10	-1	0.18	30	0.63	370	1	0.06	14	650	2	0.02	-2	2	104	-20
I147421	76.20	76.70	0.50	QFP dyke; hematized	I147421	0.07	0	0	0	0.07	-0.2	0.67	2	-10	50	-0.5	-2	1.77	-0.5	5	10	6	1.35	-10	-1	0.21	20	0.25	263	1	0.07	7	360	2	0.02	-2	1	85	-20
I147422	76.70	77.50	0.80	Shoulder	I147422	-0.01	0	0	0	0	-0.2	1.23	-2	-10	50	-0.5	-2	2.27	-0.5	9	17	14	2.39	-10	-1	0.19	30	0.66	391	1	0.08	14	650	-2	0.02	-2	2	114	-20
I147423	86.35	86.85	0.50	QFP dyke; hematized	I147423	-0.01	0	0	0	0	-0.2	1.04	2	-10	60	-0.5	-2	1.53	-0.5	8	16	8	2.09	-10	-1	0.18	20	0.54	352	1	0.08	12	550	2	0.02	-2	2	68	-20
I147424	86.85	86.85	0.00	Blank	I147424	-0.01	0	0	0	0	-0.2	2.12	-2	-10	40	-0.5	-2	0.35	-0.5	11	21	1	3.14	10	-1	0.11	20	2.21	377	1	0.06	16	700	-2	0.01	-2	4	22	-20
I147425	86.85	86.85	0.00	Standard-L																																			
I147426	120.30	120.90	0.60	Shoulder	I147426	-0.01	0	0	0	0	-0.2	1.32	4	-10	60	-0.5	-2	2.14	-0.5	10	17	24	2.32	10	-1	0.21	20	0.69	405	1	0.07	16	660	-2	0.22	-2	2	71	-20
I147427	120.90	121.70	0.80	Carbonate-silica alteration zone	I147427	-0.01	0	0	0	0	-0.2	1.38	2	-10	70	-0.5	-2	2.29	-0.5	9	17	23	2.34	-10	-1	0.28	30	0.65	400	1	0.08	15	670	-2	0.06	-2	2	75	-20
I147428	121.70	122.70	1.00	Local quartz veinlets; tr pyrite	I147428	-0.01	0	0	0	0	-0.2	1.28	2	-10	60	-0.5	-2	2.5	-0.5	8	12	15	2.14	-10	-1	0.29	30	0.61	377	1	0.06	13	630	-2	0.07	-2	1	81	-20
I147429	126.00	126.50	0.50	Shoulder	I147429	-0.01	0	0	0	0	-0.2	1.33	2	-10	50	-0.5	-2	1.76	-0.5	8	18	18	2.21	-10	-1	0.19	30	0.71	388	1	0.06	15	670	-2	0.02	-2	3	73	-20
I147430	126.50	127.00	0.50	Series of carbonate-pyrite veinlets	I147430	0.07	0	0	0	0.07	-0.2	1.22	13	-10	70	-0.5	-2	2.24	-0.5	11	14	38	2.41	-10	-1	0.27	20	0.62	425	1	0.03	14	640	-2	0.57	-2	2	47	-20
I147431	127.00	127.50	0.50	Shoulder	I147431	-0.01	0	0	0	0	-0.2	1.31	3	-10	50	-0.5	-2	1.66	-0.5	8	17	11	2.18	-10	-1	0.21	20	0.69	380	1	0.07	15	640	-2	0.05	-2	2	74	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357819 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-54-2010	EASTING:	451900 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	215m
START DATE:	June 4th 2010	Line 9+57E; Station 1+75N		CORE SIZE:	NQ
FINISH DATE:	June 5th 2010				

Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensity				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	5,73	5,73	OB																		Casing/Overburden
5,73	215,00	209,27																			Granite
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
6,88	6,92																				Quartz vein; 60TCA
12,91	13,37																				Carbonate alteration zone including two quartz-carbonate veins (~1cm-thick) with tr-1% pyrite associated
20,80	25,70																				Pervasive carbonate-silica-(sericite) alteration zone (dark grey color; contacts are gradational); including local quartz and carbonate veins; tr pyrite
23,24	23,30																				A 4cm-thick carbonate vein; including 1-2% pyrite; 40TCA
28,80	28,81																				Carbonate-(pyrite) stringer; 30TCA
36,62	36,63																				A goethite-carbonate-chalcopyrite stringer; 15TCA
38,15	38,90																				Pervasive silica-sericite-carbonate alteration zone (dark grey color); including tr pyrite; schistosity well-developed (40TCA)
41,50	47,85																				Carbonate-sericite alteration zone (medium-grey color). Contacts are gradational
43,16	43,18																				A 1cm-thick carbonate-chlorite-pyrite vein; 25TCA; 1-2% pyrite
53,96	53,97																				A 1cm-thick carbonate-chorite vein; 35TCA
71,43	71,48																				Quartz-carbonate-chlorite vein; partially broken core
75,70	80,15																				Pervasive carbonate-sericite alteration zone (locally ankerite); medium-grey color
76,81	76,87																				Quartz-chlorite vein; partially broken core
78,05	78,08																				3-4% pyrite as veinlets (+carbonate)
79,37	79,40																				A 3cm-thick quartz-chlorite vein; 50TCA
79,82	79,84																				A 2cm-thick quartz-carbonate vein; 40TCA
81,20	81,28																				Aplite dyke; 65TCA
81,77	81,85																				Quartz vein; 55TCA
87,55	88,95																				Carbonate-sericite alteration zone (grey color)
95,13	95,14																				A 1cm-thick quartz-carbonate-(pyrite) vein; 35TCA; 1% pyrite
95,30	95,44																				Quartz-chlorite vein; partially broken core
95,60	95,61																				Thin pyrite veinlet; 35TCA
99,04	99,20																				Schistosity well-developed due to sericite-rich zone; 65TCA
100,17	100,18																				A 1cm-thick carbonate vein + 1-2% pyrite along edges; 35TCA
101,87	103,25																				Carbonate-(±goethite) alteration zone (light pinkish-grey color); including locally 1% pyrite
102,18	102,23																				Hematized QFP dyke and/or small pegmatite; 50TCA
102,77	102,84																				Micro-fractures with goethite associated + 1-2% pyrite along the edges; 35TCA
103,63	103,65																				A 2cm-thick carbonate vein; 35TCA
106,20	106,24																				Quartz-chlorite-carbonate vein; 65TCA
106,34	106,36																				Quartz-carbonate vein; 65TCA
108,10	108,36																				Pervasive carbonate-sericite alteration zone; including a 1cm-thick carbonate-chlorite vein (65TCA)
122,41	122,43																				A 2cm-thick quartz vein; 70TCA
125,26	125,33																				Aplite dyke; 40TCA
127,49	127,54																				A 4cm-thick quartz vein; 70TCA
130,37	130,87																				Strong silica alteration zone associated with a series of micro-fractures (30TCA) with chlorite along their edges
133,55	187,45																				Pervasive carbonate-silica-(sericite) alteration zone (medium to dark grey color); including local mineralization zones
139,21	139,29																				Quartz vein (50TCA); tr pyrite associated along edges
142,70	143,00																				Strong ankerite-sericite alteration zone including tr-1% pyrite associated with a 4cm-thick quartz-chlorite-carbonate vein at 142.84 - 142.88m

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357819 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-54-2010	EASTING:	451900 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	215m
START DATE:	June 4th 2010	Line 9+57E; Station 1+75N		CORE SIZE:	NQ
FINISH DATE:	June 5th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Veins			COMMENTS
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	
158,05	158,27																				Pyrite-(carbonate) vein (1cm-thick; 15TCA)
159,46	159,47																				A 1cm-thick carbonate-(pyrite) veinlet; 50TCA; 1% pyrite
166,46	166,49																				A 2cm-thick quartz-pyrite vein; 35TCA; 3-4% pyrite
182,70	186,45																				Carbonate-(sericite) alteration zone (light grey color). Schistosity well-developed (35TCA). Contacts are gradational
183,14	183,19																				Quartz-chlorite vein; 75TCA
183,35	184,95																				Weak shear and/or sericite-rich zone with well-developed schistosity; 35TCA. Tr pyrite
185,06	185,39																				Weak shear and/or sericite-rich zone with well-developed schistosity; 35TCA. Tr pyrite
188,30	188,42																				A 12cm-thick quartz-tourmaline-(chlorite) vein (70TCA)
189,32	189,35																				A 3cm-thick quartz-chlorite-carbonate vein; 45TCA
202,00	203,05																				Pervasive carbonate alteration zone (light to medium grey color); core is partially broken
205,04	205,15																				Weak shear and/or sericite-rich zone with well-developed schistosity; 40TCA
213,70	213,79																				A thin QFP (?) dyke and/or hematized-silicified zone
214,74	214,78																				A 4cm-thick quartz-carbonate-chlorite vein; 55TCA
215,00	EOH																				

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357819 N, NAD83	**AZIMUTH:**	310.00
HOLE NO:	CAR-54-2010	**EASTING:**	451900 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	215m
START DATE:	June 4th 2010			**CORE SIZE:**	NQ
FINISH DATE:	June 5th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_	AU_G/TFA	AU_G/TF/	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147432	12.90	13.40	0.50	tr-1% pyrite	I147432	-0.01	0	0	0	0	-0.2	1.29	7	-10	50	-0.5	-2	2.58	-0.5	9	16	18	2.38	10	-1	0.17	30	0.73	488	-1	0.07	15	730	6	0.04	-2	3	62	-20
I147433	20.80	21.60	0.80	Carbonate alteration zone; including tr-1% pyrite	I147433	-0.01	0	0	0	0	-0.2	1.27	9	-10	50	-0.5	-2	2.95	-0.5	10	17	20	2.3	-10	-1	0.18	30	0.66	451	-1	0.06	15	720	3	0.02	-2	2	77	-20
I147434	21.60	22.50	0.90	Carbonate alteration zone; including tr-1% pyrite	I147434	-0.01	0	0	0	0	-0.2	1.3	9	-10	60	-0.5	-2	2.82	-0.5	10	11	15	2.3	-10	-1	0.22	30	0.65	456	-1	0.05	14	730	3	0.09	-2	1	80	-20
I147435	22.50	23.50	1.00	Carbonate-sericite alteration; including 1% pyrite	I147435	0.03	0	0	0	0.03	0.2	1.18	28	-10	60	-0.5	-2	4.1	-0.5	8	8	7	2.15	-10	-1	0.27	20	0.56	808	-1	0.06	12	650	6	0.29	-2	1	125	-20
I147436	23.50	24.50	1.00	Carbonate alteration zone	I147436	0.02	0	0	0	0.02	-0.2	1.33	10	-10	60	-0.5	-2	2.59	-0.5	9	15	11	2.32	-10	-1	0.21	30	0.63	456	-1	0.1	14	690	4	0.04	-2	2	87	-20
I147437	28.50	29.00	0.50	Local carbonate-pyrite veinlet	I147437	0.02	0	0	0	0.02	-0.2	1.26	14	-10	50	-0.5	-2	1.7	-0.5	10	15	18	2.3	10	-1	0.21	20	0.73	397	-1	0.08	16	730	4	0.18	-2	3	79	-20
I147438	36.40	37.00	0.60	Local goethite-carbonate-chalcopyrite veinlet	I147438	-0.01	0	0	0	0	0.2	1.24	3	-10	40	-0.5	-2	1.42	-0.5	8	14	204	2.13	10	-1	0.11	20	0.69	380	-1	0.08	13	630	3	0.03	-2	3	76	-20
I147439	37.00	38.00	1.00	Shoulder	I147439	-0.01	0	0	0	0	-0.2	1.22	4	-10	60	-0.5	-2	1.79	-0.5	7	14	13	2.08	-10	-1	0.17	20	0.6	382	1	0.09	13	650	2	0.01	-2	2	68	-20
I147440	38.00	39.00	1.00	Sericite-silica alteration zone; tr-1% pyrite	I147440	-0.01	0	0	0	0	-0.2	1.11	5	-10	60	-0.5	-2	1.99	-0.5	7	11	12	2.02	-10	-1	0.21	20	0.55	374	-1	0.05	12	640	3	0.04	-2	2	44	-20
I147441	42.30	43.00	0.70	Shoulder	I147441	0.01	0	0	0	0.01	-0.2	1.23	3	-10	60	-0.5	-2	2.44	-0.5	9	12	61	2.41	-10	-1	0.2	30	0.63	441	-1	0.07	14	840	4	0.04	-2	2	64	-20
I147442	43.00	43.50	0.50	Local carbonate-pyrite vein; 1-2% pyrite	I147442	0.02	0	0	0	0.02	-0.2	1.21	13	-10	50	-0.5	-2	2.5	-0.5	8	9	61	2.25	-10	-1	0.18	20	0.66	467	-1	0.06	13	690	7	0.12	-2	2	57	-20
I147443	43.50	44.00	0.50	Shoulder	I147443	0.03	0	0	0	0.03	0.2	1.16	5	-10	60	-0.5	-2	2.35	-0.5	8	14	19	2.04	-10	-1	0.21	30	0.56	432	1	0.07	13	680	3	0.04	-2	2	72	-20
I147444	76.00	77.00	1.00	Shoulder	I147444	-0.01	0	0	0	0	-0.2	1.33	15	-10	50	-0.5	-2	3.11	-0.5	9	16	9	2.37	-10	-1	0.18	20	0.67	544	-1	0.08	13	680	4	0.05	-2	2	147	-20
I147445	77.00	77.95	0.95	Carbonate-sericite alteration zone	I147445	0.03	0	0	0	0.03	-0.2	1.27	15	-10	70	-0.5	-2	2.49	-0.5	8	14	15	2.24	-10	-1	0.23	30	0.6	483	-1	0.07	14	720	3	0.09	-2	1	106	-20
I147446	77.95	78.55	0.60	Local pyrite-carbonate vein	I147446	0.30	0	0	0	0.3	1.9	1.15	110	-10	70	-0.5	2	1.98	1.1	10	10	236	2.55	-10	-1	0.26	20	0.54	396	-1	0.05	14	680	11	0.88	-2	1	81	-20
I147447	78.55	79.50	0.95	Shoulder	I147447	-0.01	0	0	0	0	-0.2	1.26	9	-10	50	-0.5	-2	2.26	-0.5	8	14	17	2.33	10	-1	0.19	30	0.6	443	1	0.1	12	640	4	0.03	-2	2	99	-20
I147448	95.00	95.70	0.70	Local quartz-pyrite vein	I147448	0.01	0	0	0	0.01	0.2	1.24	17	-10	50	-0.5	-2	1.9	-0.5	9	12	3	2.3	-10	-1	0.18	20	0.67	410	-1	0.07	14	620	3	0.08	-2	2	52	-20
I147449	95.70	95.70	0.00	Blank	I147449	-0.01	0	0	0	0	-0.2	2.09	-2	-10	10	-0.5	-2	0.76	-0.5	11	17	-1	3.47	10	-1	0.03	40	2.2	390	-1	0.14	18	830	2	-0.01	-2	5	18	-20
I147450	95.70	95.70	0.00	Standard-H																																			
I147451	99.00	100.00	1.00	Shoulder	I147451	-0.01	0	0	0	0	-0.2	1.25	15	-10	50	-0.5	-2	2.11	-0.5	9	15	15	2.18	-10	-1	0.2	20	0.62	447	-1	0.08	14	700	2	0.01	-2	2	66	-20
I147452	100.00	101.00	1.00	Local carbonate-pyrite vein	I147452	0.09	0	0	0	0.09	0.3	1.36	43	-10	50	-0.5	-2	2.22	7.3	9	17	30	2.37	-10	-1	0.21	30	0.67	486	-1	0.09	15	700	6	0.23	-2	3	81	-20
I147453	101.00	101.85	0.85	Shoulder	I147453	0.01	0	0	0	0.01	-0.2	1.29	23	-10	50	-0.5	-2	2.04	-0.5	8	15	23	2.32	-10	-1	0.19	20	0.67	463	-1	0.07	14	740	4	0.18	-2	2	67	-20
I147454	101.85	102.65	0.80	1% pyrite + carbonate-goethite alteration	I147454	0.02	0	0	0	0.02	0.2	1.19	25	-10	70	-0.5	-2	1.94	-0.5	7	12	88	2.15	-10	-1	0.28	20	0.55	418	-1	0.06	13	650	3	0.27	-2	2	51	-20
I147455	102.65	103.25	0.60	1% pyrite + carbonate-goethite alteration	I147455	0.01	0	0	0	0.01	-0.2	1.33	15	-10	50	-0.5	-2	2.04	-0.5	10	14	26	2.5	-10	-1	0.17	30	0.75	457	-1	0.05	15	700	2	0.05	-2	2	46	-20
I147456	103.25	104.00	0.75	Shoulder	I147456	-0.01	0	0	0	0	-0.2	1.38	17	-10	50	-0.5	-2	2.35	-0.5	9	16	16	2.25	10	-1	0.14	30	0.73	406	-1	0.09	14	680	4	0.01	-2	3	84	-20
I147457	139.00	140.00	1.00	Shoulder	I147457	0.01	0	0	0	0.01	0.2	1.34	10	-10	40	-0.5	-2	2.05	-0.5	10	13	6	2.56	-10	-1	0.15	20	0.72	403	-1	0.08	14	700	2	0.46	-2	2	95	-20
I147458	140.00	141.00	1.00	Ankerite-sericite alteration	I147458	0.01	0	0	0	0.01	-0.2	1.3	-2	-10	50	-0.5	-2	2.27	-0.5	9	15	15	2.53	-10	-1	0.14	30	0.72	448	-1	0.09	14	690	4	0.02	-2	2	105	-20
I147459	141.00	142.00	1.00	Ankerite-sericite alteration	I147459	-0.01	0	0	0	0	-0.2	1.24	4	-10	50	-0.5	-2	2.24	-0.5	9	15	16	2.62	-10	-1	0.13	30	0.72	409	-1	0.05	19	700	7	0.03	-2	2	84	-20
I147460	142.00	142.70	0.70	Ankerite-sericite alteration	I147460	-0.01	0	0	0	0	-0.2	1.18	3	-10	50	-0.5	-2	2.28	-0.5	8	12	6	2.54	-10	-1	0.13	20	0.64	377	-1	0.04	14	700	3	0.13	-2	2	75	-20
I147461	142.70	143.20	0.50	Ankerite-sericite alteration including tr-1% pyrite	I147461	0.01	0	0	0	0.01	0.2	1.28	11	-10	40	-0.5	-2	2.59	-0.5	12	12	4	2.77	-10	-1	0.11	20	0.73	425	-1	0.03	15	660	-2	0.42	-2	2	97	-20
I147462	143.20	144.00	0.80	Shoulder	I147462	-0.01	0	0	0	0	-0.2	1.26	-2	-10	40	-0.5	-2	2.37	-0.5	9	14	10	2.61	-10	-1	0.12	20	0.72	429	-1	0.04	12	670	-2	0.02	-2	2	89	-20
I147463	157.00	157.80	0.80	Shoulder	I147463	-0.01	0	0	0	0	-0.2	1.25	6	-10	40	-0.5	-2	2.59	-0.5	8	13	15	2.54	-10	-1	0.15	30	0.65	460	-1	0.03	13	680	-2	0.03	-2	1	119	-20
I147464	157.80	158.40	0.60	Pyrite-(carbonate) vein	I147464	3.31	0	0	0	3.31	2.2	0.95	321	-10	40	-0.5	3	2.35	-0.5	15	8	93	4.2	-10	-1	0.17	20	0.46	399	-1	0.02	10	520	12	3.04	-2	1	95	-20
I147465	158.40	159.50	1.10	Shoulder	I147465	0.01	0	0	0	0.01	0.2	1.23	17	-10	50	-0.5	-2	2.59	-0.5	9	14	17	2.47	-10	-1	0.16	30	0.64	445	-1	0.03	12	670	2	0.12	-2	1	103	-20
I147466	165.00	166.00	1.00	Shoulder	I147466	-0.01	0	0	0	0	-0.2	1.32	6	-10	50	-0.5	-2	2.73	-0.5	9	15	17	2.63	-10	-1	0.15	30	0.71	472	-1	0.04	14	710	-2	0.04	-2	2	78	-20
I147467	166.00	166.70	0.70	Local quartz-pyrite vein (2cm-thick vein)	I147467	0.37	0	0	0	0.37	0.3	1.06	24	-10	50	-0.5	-2	2.44	-0.5	9	12	46	2.38	-10	-1	0.18	30	0.53	410	-1	0.02	11	660	2	0.45	-2	1	86	-20
I147468	166.70	167.70	1.00	Shoulder	I147468	0.01	0	0	0	0.01	-0.2	1.23	9	-10	50	-0.5	-2	2.37	-0.5	9	15	18	2.46	-10	-1	0.17	30	0.65	422	-1	0.03	12	680	-2	0.05	-2	2	88	-20
I147469	182.70	183.35	0.65	Shoulder	I147469	0.01	0	0	0	0.01	-0.2	1.31	9	-10	50	-0.5	-2	2.2	-0.5	9	14	27	2.66	10	-1	0.13	20	0.74	458	-1	0.03	14	630	3	0.02	-2	2	96	-20
I147470	183.35	184.15	0.80	Weak shear; tr pyrite	I147470	0.01	0	0	0	0.01	-0.2	1.07	10	-10	70	-0.5	-2	2.65	-0.5	9	9	54	1.96	-10	-1	0.25	30	0.48	417	-1	0.02	11	690	2	0.09	-2	1	82	-20
I147471	184.15	184.95	0.80	Weak shear; tr pyrite	I147471	0.01	0	0	0	0.01	-0.2	1.13	22	-10	60	-0.5	-2	3.45	-0.5	10	5	17	2.04	-10	-1	0.29	20	0.54	472	-1	0.01	10	640	2	0.15	-2	1	96	-20
I147472	184.95	185.65	0.70	Weak shear; tr pyrite	I147472	0.01	0	0	0	0.01	-0.2	0.98	16	-10	50	-0.5	-2	3.04	-0.5	8	7	26	1.85	-10	-1	0.26	20	0.52	408	-1	0.01	10	640	-2	0.1	-2	1	78	-20
I147473	185.65	186.45	0.80	Shoulder	I147473	-0.01	0	0	0	0	-0.2	1.1	10	-10	50	-0.5	-2	2.45	-0.5	9	13	12	2.14	-10	-1	0.19	30	0.57	390	-1	0.03	11	670	-2	0.02	-2	2	77	-20
I147474	186.45	186.45	0.00	Blank	I147474	-0.01	0	0	0	0	-0.2	2.2	-2	-10	20	-0.5	-2	0.7	-0.5	12	19	-1	3.79	10	-1	0.03	30	2.38	409	-1	0.07	15	860	-2	0.01	-2	5	16	-20
I147475	186.45	186.45	0.00	Standard-L																																			

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357950 N, NAD83	AZIMUTH:	130
HOLE NO:	CAR-55-2010	EASTING:	452075 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	242m
START DATE:	June 6th 2010	Line 11+25E; Station 3+00N		CORE SIZE:	NQ
FINISH DATE:	June 7th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**0,88**	**0,88**	**OB**																		**Casing/Overburden**
0,88	**44,40**	**43,52**																			**Altered granite**
																					Pervasive hematite-carbonate alteration (purple-ish red color). Presence of voids and local xenoliths (pluri-cm to pluri-dm)
																					Downhole contact is gradational
14,03	14,65																				Xenolith; also hematized
23,00	27,45																				Unaltered granite (only epidotization)
33,70	34,28																				Unaltered granite (only epidotization)
44,40	**92,75**	**48,35**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
45,49	45,57																				Carbonate-hematite vein and/or alteration(?) zone
64,50	67,15																				Altered granite (hematite-carbonate alteration; purple-red color)
68,80	68,82																				Tr-1% finely disseminated pyrite along a chlorite-rich veinlets/micro-fractures; 25TCA
74,25	75,50																				Weak hematization (pinkish color)
83,00	84,30																				Carbonate-(hematite) alteration zone including locally tr-1% pyrite as very fine stringers (+carbonate-chlorite); 40TCA
89,48	89,62																				Shear zone; sericite-rich; 65TCA
92,75	**99,70**	**6,95**																			**Shear zone**
																					Carbonate-sericite alteration associated; including local pyrite stringers // to shear (40 to 50TCA); tr-1% pyrite
93,07	93,08																				Pyrite-carbonate stringer; 40TCA
93,55	93,57																				A 1cm-thick carbonate vein + pyrite along edges (40TCA); 2-3% pyrite
96,86	96,87																				Pyrite stringer (30TCA)
99,35	99,70																				Broken core
99,70	**104,55**	**4,85**																			**Granite**
																					Chlorite-hematite alteration (green and light red color)
104,55	**107,65**	**3,10**																			**Shear zone**
																					Carbonate-sericite-hematite rich; shear at 60TCA; including local pyrite stringers parallel to shear
107,37	107,60																				Series of pyrite stringers (at a 5cm interval; 60TCA); 2-3% pyrite
107,65	**113,20**	**5,55**																			**Granite**
																					Chlorite-hematite alteration (green and light red color)
113,20	**115,85**	**2,65**																			**Shear zone**
																					Carbonate-sericite-hematite rich; shear at 60TCA; including local pyrite stringers parallel to shear
113,53	113,80																				Series of pyrite stringers at a 5 to 10cm interval; 60TCA; 2-3% pyrite
115,50	115,73																				Series of pyrite stringers at a 10cm interval; 60TCA; 2-3% pyrite
115,85	**124,50**	**8,65**																			**Altered granite**
																					Hematite-carbonate alteration zone (purple-red color)
124,50	**128,65**	**4,15**																			**Shear zone**
																					Weak shear due to abundance of sericite and chlorite (+carbonate-hematite alteration)
128,65	**231,00**	**102,35**																			**Granite**
																					Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																					Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357950 N, NAD83	**AZIMUTH:**	130
HOLE NO:	CAR-55-2010	**EASTING:**	452075 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	242m
START DATE:	June 6th 2010	**Line 11+25E; Station 3+00N**		**CORE SIZE:**	NQ
FINISH DATE:	June 7th 2010				

Depth			Rock Type					Structure		ALTERATION					Mineralisation					
										Alteration Intensit				CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
			Several carbonate-silica-(sericite) alteration zones occur
128,65	144,50		Strong carbonate-silica-sericite alteration zone
134,00	134,03		Three pyrite stringers; 45TCA
147,90	148,15		Weak shear and/or schistosity well-developed (due to sericite); 60TCA
158,90	163,40		Carbonate-silica alteration zone (medium to dark grey color). Contacts are gradational
159,05	159,50		Series of three pyrite stringers at a 15cm interval (45TCA); 1-2% pyrite
161,00	161,01		A 1cm-thick carbonate-pyrite vein (45TCA); 1-2% pyrite
179,45	186,10		Sericite-carbonate-silica alteration zone (dark grey color); schistosity well-developed (35TCA); locally tr pyrite
181,26	181,26		Pyrite stringer; 70TCA
185,37	185,38		A 1cm-thick quartz-pyrite (60TCA); 3-4% pyrite
186,34	186,34		Fine chalcopyrite stringer; 40TCA
186,10	226,60		Carbonate-(sericite) alteration zone (medium-grey color)
200,53	200,54		A carbonate-pyrite stringer; 60TCA
201,59	201,65		Pyrite-carbonate-quartz vein; 20TCA; 5% pyrite
201,91	201,93		A 1cm-thick pyrite-quartz vein; 30TCA; 5-10% pyrite
202,02	202,03		A 1cm-thick pyrite-quartz vein; 10TCA; 5% pyrite
202,28	202,32		A 2cm-thick pyrite-carbonate vein; 60TCA; 5-10% pyrite
207,50	209,20		Strong ankerite alteration superimpose the carbonate-(sericite) alteration
211,62	211,63		1cm-thick carbonate-chlorite vein + 1% pyrite along edges
212,76	212,77		1cm-thick quartz-pyrite vein (60TCA); 2-3% pyrite
213,66	213,91		Weak shear and/or schistosity well-developed due to abundance of sericite/chlorite
231,00	**237,83**	**6,83**	**Altered granite**
			Hematite-carbonate alteration (purple-red color)
234,85	236,20		Sericite/chlorite-rich zone; including tr pyrite
237,83	**242,00**	**4,17**	**Granite**
			Idem as previous granite unit
242,00	**EOH**		

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357950 N, NAD83	**AZIMUTH:**	130.00
HOLE NO:	CAR-55-2010	**EASTING:**	452075 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	242m
START DATE:	June 6th 2010			**CORE SIZE:**	NQ
FINISH DATE:	June 7th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results: SAMPLE	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TN	AU_G/TFI	NA_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147476	68.55	69.30	0.75	tr-1% disseminated pyrite on 1cm	I147476	0.01	0	0	0	0.01	0.2	2.35	-2	-10	20	1.1	-2	0.39	-0.5	13	23	3	3.31	10	-1	0.04	20	2.91	466	-1	0.03	22	640	2	0.01	-2	6	21	-20
I147477	83.00	83.80	0.80	Shoulder	I147477	0.01	0	0	0	0.01	-0.2	1.12	14	-10	50	-0.5	-2	2.15	-0.5	7	11	9	2.2	-10	-1	0.16	30	0.61	430	-1	0.03	10	640	-2	0.05	-2	2	53	-20
I147478	83.80	84.30	0.50	Local pyrite-(carbonate)-(chlorite) stringer	I147478	0.01	0	0	0	0.01	-0.2	1.12	11	-10	60	-0.5	-2	2.16	-0.5	7	12	11	2.28	-10	-1	0.17	30	0.59	423	-1	0.03	12	630	2	0.15	-2	2	53	-20
I147479	84.30	85.00	0.70	Shoulder	I147479	-0.01	0	0	0	0	-0.2	1.17	6	-10	50	-0.5	-2	1.75	-0.5	8	14	15	2.38	-10	-1	0.12	30	0.65	378	-1	0.04	11	630	-2	0.05	-2	3	68	-20
I147480	88.30	89.30	1.00	Shoulder	I147480	-0.01	0	0	0	0	-0.2	1.27	-2	-10	50	-0.5	-2	2.26	-0.5	8	13	14	2.57	10	-1	0.14	30	0.69	392	-1	0.04	11	670	-2	0.01	-2	2	62	-20
I147481	89.30	89.80	0.50	Local shear	I147481	-0.01	0	0	0	0	-0.2	1.09	5	-10	50	-0.5	-2	2.33	-0.5	7	10	9	2.05	-10	-1	0.18	20	0.55	338	-1	0.02	10	660	-2	0.01	-2	1	58	-20
I147482	89.80	91.30	1.50	Shoulder	I147482	0.01	0	0	0	0.01	0.2	1.32	4	-10	40	-0.5	-2	2.43	-0.5	9	15	2	2.59	10	-1	0.13	30	0.72	369	-1	0.04	13	640	-2	0.02	-2	2	84	-20
I147483	91.30	92.75	1.45	Shoulder	I147483	-0.01	0	0	0	0	-0.2	1.18	3	-10	40	-0.5	-2	2.29	-0.5	7	12	7	2.29	-10	-1	0.13	30	0.62	333	-1	0.04	11	600	-2	0.02	-2	2	72	-20
I147484	92.75	93.40	0.65	Shear zone	I147484	0.01	0	0	0	0.01	-0.2	1.16	26	-10	40	-0.5	-2	2.56	-0.5	10	10	8	2.45	10	-1	0.15	20	0.62	396	-1	0.02	12	660	-2	0.41	-2	1	71	-20
I147485	93.40	93.90	0.50	Shear zone; 2-3% pyrite along carbonate vein	I147485	0.02	0	0	0	0.02	-0.2	1.09	31	-10	30	-0.5	-2	3.48	-0.5	9	11	9	2.35	-10	-1	0.15	20	0.56	429	-1	0.02	11	650	2	0.41	-2	1	90	-20
I147486	93.90	95.00	1.10	Shear zone	I147486	-0.01	0	0	0	0	-0.2	1.07	6	-10	40	-0.5	-2	2.76	-0.5	8	9	13	2.06	-10	-1	0.15	20	0.53	401	-1	0.02	10	630	-2	0.09	-2	1	73	-20
I147487	95.00	96.00	1.00	Shear zone	I147487	0.02	0	0	0	0.02	-0.2	1.1	29	-10	40	-0.5	-2	2.4	-0.5	11	8	19	2.35	-10	-1	0.17	20	0.56	409	-1	0.01	14	710	2	0.34	-2	1	57	-20
I147488	96.00	97.00	1.00	Shear zone	I147488	0.01	0	0	0	0.01	-0.2	1.01	19	-10	40	-0.5	-2	2.37	-0.5	9	5	15	2.02	-10	-1	0.17	30	0.51	402	-1	0.01	10	640	3	0.29	-2	1	69	-20
I147489	97.00	98.00	1.00	Shear zone	I147489	0.01	0	0	0	0.01	-0.2	1.11	7	-10	40	-0.5	-2	2.76	-0.5	9	7	14	2.16	-10	-1	0.17	30	0.54	423	-1	0.02	11	680	-2	0.15	-2	1	73	-20
I147490	98.00	99.00	1.00	Shear zone	I147490	-0.01	0	0	0	0	-0.2	1.12	4	-10	40	-0.5	-2	2.89	-0.5	8	5	6	2.11	-10	-1	0.15	20	0.61	427	-1	0.02	10	630	-2	0.06	-2	1	62	-20
I147491	99.00	99.70	0.70	Shear zone	I147491	-0.01	0	0	0	0	-0.2	1.08	3	-10	40	-0.5	-2	2.93	-0.5	7	8	12	2.09	-10	-1	0.14	20	0.58	366	-1	0.01	11	640	-2	0.03	-2	1	68	-20
I147492	99.70	101.00	1.30	Shoulder	I147492	-0.01	0	0	0	0	-0.2	1.09	3	-10	40	-0.5	-2	2.33	-0.5	8	11	10	2.25	-10	-1	0.13	20	0.62	336	-1	0.03	10	630	-2	0.03	-2	1	43	-20
I147493	101.00	102.00	1.00	Shoulder	I147493	-0.01	0	0	0	0	-0.2	1	-2	-10	40	-0.5	-2	2.3	-0.5	8	11	3	2.18	-10	-1	0.14	20	0.56	358	-1	0.03	10	620	-2	0.01	-2	1	80	-20
I147494	102.00	103.00	1.00	Shoulder	I147494	-0.01	0	0	0	0	-0.2	1.03	2	-10	40	-0.5	-2	2.29	-0.5	9	8	21	2.18	-10	-1	0.14	20	0.58	361	-1	0.03	10	630	2	0.09	-2	1	78	-20
I147495	103.00	103.75	0.75	Shoulder	I147495	-0.01	0	0	0	0	-0.2	1.04	-2	-10	30	-0.5	-2	2.11	-0.5	9	17	10	2.37	-10	-1	0.11	20	0.61	368	-1	0.04	11	640	-2	0.02	-2	1	73	-20
I147496	103.75	104.55	0.80	Shoulder	I147496	-0.01	0	0	0	0	-0.2	1.18	4	-10	20	-0.5	-2	2.24	-0.5	9	13	18	2.54	-10	-1	0.09	20	0.72	391	1	0.05	11	670	-2	0.06	-2	2	59	-20
I147497	104.55	105.60	1.05	Shear	I147497	0.03	0	0	0	0.03	0.2	1.29	-2	-10	30	-0.5	-2	2.33	-0.5	10	9	10	2.48	-10	-1	0.11	20	0.83	346	-1	0.04	11	670	-2	0.04	-2	1	33	-20
I147498	105.60	106.65	1.05	Shear	I147498	-0.01	0	0	0	0	0.2	1.24	2	-10	30	-0.5	-2	2.88	-0.5	9	8	107	2.3	-10	-1	0.14	20	0.73	360	1	0.04	11	670	-2	0.09	-2	1	30	-20
I147499	106.65	106.65	0.00	Blank	I147499	-0.01	0	0	0	0	-0.2	2.05	2	-10	20	-0.5	-2	0.38	-0.5	14	20	-1	3.73	10	1	0.05	20	2.37	458	-1	0.07	17	960	-2	0.01	-2	5	13	-20
I147500	106.65	106.65	0.00	Standard-H																																			
I147718	106.65	107.65	1.00	Shear																																			
I147719	107.65	108.75	1.10	Shoulder	I147719	0.01	0	0	0	0.01	-0.2	1.17	6	-10	30	-0.5	-2	2.15	-0.5	10	16	10	2.44	-10	-1	0.12	20	0.71	347	2	0.03	12	670	-2	0.05	-2	1	29	-20
I147720	108.75	110.00	1.25		I147720	-0.01	0	0	0	0	-0.2	1.24	2	-10	30	-0.5	-2	1.98	-0.5	10	17	11	2.56	-10	-1	0.11	20	0.75	335	2	0.03	13	730	-2	0.02	-2	2	34	-20
I147721	110.00	111.50	1.50		I147721	0.01	0	0	0	0.01	-0.2	1.24	4	-10	30	-0.5	-2	2.22	-0.5	10	15	16	2.61	10	-1	0.11	20	0.74	366	1	0.04	13	710	-2	0.06	-2	2	39	-20
I147722	111.50	112.50	1.00		I147722	0.01	0	0	0	0.01	-0.2	1.17	4	-10	30	-0.5	-2	2.43	-0.5	8	15	28	2.52	-10	-1	0.12	30	0.64	408	1	0.03	13	710	-2	0.01	-2	1	72	-20
I147723	112.50	113.20	0.70	Shoulder	I147723	0.01	0	0	0	0.01	0.2	1.24	5	-10	30	-0.5	-2	2.32	-0.5	9	17	20	2.54	10	-1	0.12	20	0.68	388	3	0.03	13	720	-2	0.07	-2	1	43	-20
I147724	113.20	113.20	0.00	Blank	I147724	-0.01	0	0	0	0	-0.2	1.92	-2	-10	20	-0.5	-2	0.37	-0.5	14	20	-1	3.56	10	-1	0.06	20	2.14	429	-1	0.05	18	930	-2	-0.01	-2	5	15	-20
I147725	113.20	113.20	0.00	Standard-L																																			
I147726	113.20	114.00	0.80	Shear + pyrite stringers																																			
I147727	114.00	115.00	1.00	Shear	I147727	0.01	0	0	0	0.01	-0.2	0.86	21	-10	40	-0.5	-2	2.11	-0.5	7	8	8	1.8	-10	-1	0.18	20	0.4	360	3	0.03	10	550	2	0.29	-2	1	57	-20
I147728	115.00	115.85	0.85	Shear	I147728	0.02	0	0	0	0.02	-0.2	0.79	36	-10	30	-0.5	-2	2.57	-0.5	8	9	15	1.83	-10	-1	0.17	20	0.39	433	1	0.01	10	530	2	0.48	-2	1	64	-20
I147729	115.85	116.85	1.00	Shoulder	I147729	-0.01	0	0	0	0	-0.2	1.3	4	-10	30	-0.5	-2	3.14	-0.5	10	17	11	2.58	10	-1	0.14	20	0.69	484	1	0.03	13	750	-2	0.06	-2	1	77	-20
I147730	123.50	124.50	1.00	Shoulder	I147730	-0.01	0	0	0	0	0.2	1.96	3	-10	20	-0.5	-2	4.31	-0.5	14	18	3	3.45	10	1	0.08	20	1.36	531	1	0.04	15	900	-2	0.01	-2	4	60	-20
I147731	124.50	125.50	1.00	Weak shear	I147731	0.02	0	0	0	0.02	0.2	1.84	2	-10	40	-0.5	-2	5.05	-0.5	12	11	25	3.16	10	-1	0.17	30	1.13	592	-1	0.03	16	980	-2	-0.01	-2	2	100	-20
I147732	125.50	126.60	1.10	Weak shear	I147732	-0.01	0	0	0	0	-0.2	1.91	-2	-10	30	-0.5	-2	4.3	-0.5	13	14	-1	3.28	10	-1	0.13	30	1.22	500	-1	0.03	17	950	-2	-0.01	2	2	66	-20
I147733	126.60	127.65	1.05	Weak shear	I147733	0.01	0	0	0	0.01	-0.2	1.84	8	-10	20	-0.5	-2	3.95	-0.5	13	14	1	3.29	10	-1	0.11	20	1.21	437	1	0.04	16	890	-2	0.1	-2	4	41	-20
I147734	127.65	128.65	1.00	Weak shear	I147734	0.01	0	0	0	0.01	-0.2	1.32	9	-10	20	-0.5	-2	2.49	-0.5	9	12	2	2.45	10	1	0.12	20	0.82	305	1	0.03	13	750	-2	0.1	-2	2	35	-20
I147735	128.65	129.50	0.85	Shoulder	I147735	-0.01	0	0	0	0	-0.2	1.36	2	-10	20	-0.5	-2	2.35	-0.5	9	17	4	2.61	10	-1	0.1	20	0.8	351	1	0.05	13	710	-2	0.02	-2	3	44	-20
I147736	133.00	133.80	0.80	Shoulder	I147736	0.01	0	0	0	0.01	-0.2	1.32	-2	-10	20	-0.5	-2	2.14	-0.5	9	19	8	2.53	10	-1	0.09	30	0.77	401	1	0.04	13	680	-2	-0.01	-2	3	57	-20
I147737	133.80	134.30	0.50	Local pyrite stringers	I147737	0.02	0	0	0	0.02	-0.2	1.52	11	-10	20	-0.5	-2	2.71	-0.5	11	16	18	2.83	10	-1	0.12	20	0.95	482	1	0.04	13	730	3	0.21	-2	3	60	-20
I147738	134.30	135.00	0.70	Shoulder	I147738	-0.01	0	0	0	0	-0.2	1.54	2	-10	20	-0.5	-2	1.18	-0.5	10	21	5	2.76	10	-1	0.08	30	1.12	331	1	0.04	14	720	-2	-0.01	-2	4	25	-20
I147739	158.00	158.90	0.90	Shoulder	I147739	-0.01	0	0	0	0	-0.2	1.29	7	-10	30	-0.5	-2	2.24	-0.5	10	17	8	2.42	-10	-1	0.1	30	0.72	453	1	0.04	13	690	-2	-0.01	-2	2	74	-20
I147740	158.90	159.60	0.70	Series of pyrite stringers	I147740	0.01	0	0	0	0.01	0.2	1.25	19	-10	30	-0.5	-2	2.3	-0.5	11	16	15	2.54	-10	-1	0.14	30	0.66	472	1	0.03	12	710	2	0.27	-2	1	55	-20
I147741	159.60	160.30	0.70		I147741	0.01	0	0	0	0.01	-0.2	1.28	8	-10	30	-0.5	-2	1.84	-0.5	9	18	12	2.49	10	-1	0.12	30	0.69	431	1	0.04	13	710	-2	0.01	-2	2	53	-20
I147742	160.30	161.10	0.80	Local carbonate-pyrite vein	I147742	0.07	0	0	0	0.07	0.2	1.3	32	-10	30	-0.5	-2	2.24	-0.5	10	16	17	2.75	10	-1	0.13	20	0.71	481	1	0.03	13	700	3	0.37	-2	2	48	-20
I147743	161.10	162.20	1.10		I147743	0.01	0	0	0	0.01	-0.2	1.22	4	-10	40	-0.5	-2	2.28	-0.5	8	20	10	2.38	-10	-1	0.15	20	0.64	442	1	0.04	13	700	-2	0.02	-2	2	48	-20
I147744	162.20	163.40	1.20	Shoulder	I147744	0.01	0	0	0	0.01	0.2	1.2	7	-10	40	-0.5	-2	2.54	-0.5	9	17	16	2.33	-10	-1	0.14	20	0.64	462	1	0.03	12	690	-2	0.07	-2	2	62	-20
I147745	179.45	180.25	0.80	Sericite-carbonate-silica alteration	I147745	0.08	0	0	0	0.08	-0.2	1.31	5	-10	30	-0.5	-2	2.53	-0.5	10	12	17	2.43	-10	1	0.16	20	0.71	371	-1	0.02	13	700	-2	0.09	-2	1	72	-20
I147746	180.25	181.00	0.75	Sericite-carbonate-silica alteration	I147746	0.01	0	0	0	0.01	-0.2	1.98	6	-10	30	-0.5	-2	0.74	-0.5	11	12	1	2.86	10	1	0.13	20	2.03	240	1	0.02	14	730	-2	0.06	-2	1	17	-20
I147747	181.00	181.50	0.50	sericite-carbonate-silica alteration; including local pyrite strir	I147747	0.03	0	0	0	0.03	-0.2	2.1	11	-10	30	-0.5	-2	0.26	-0.5	12	13	4	2.9	10	1	0.13	20	2.46	192	1	0.02	12	700	-2	0.17	-2	2	7	-20
I147748	181.50	182.50	1.00	Sericite-carbonate-silica alteration	I147748	0.01	0	0	0	0.01	-0.2	1.57	5	-10	20	-0.5	-2	1.2	-0.5	8	12	4	2.47	10	-1	0.11	20	1.36	229	1	0.02	11	660	-2	0.05	-2	2	17	-20
I147749	182.50	182.50	0.00	Blank	I147749	-0.01	0	0	0	0	-0.2	2.01	3	-10	20	-0.5	-2	0.41	-0.5	14	24	-1	3.93	10	1	0.06	20	2.15	452	-1	0.06	20	990	-2	-0.01	-2	5	14	-20
I147750	182.50	182.50	0.00	Standard-H																																			
I147751	182.50	183.80	1.30	Sericite-carbonate-silica alteration																																			
I147752	183.80	185.10	1.30	Sericite-carbonate-silica alteration	I147752	0.01	0	0	0	0.01	-0.2	1.22	8	-10	30	-0.5	-2	2.89	-0.5	9	15	38	2.34	-10	-1	0.13	30	0.63	412	2	0.03	11	630	2	0.04	-2	1	86	-20
I147753	185.10	185.60	0.50	Sericite-carbonate-silica alteration; including 1cm qtz-py ve	I147753	0.04	0	0	0	0.04	0.2	1.22	13	-10	30	-0.5	-2	3.69	-0.5	10	13	214	2.54	-10	-1	0.14	10	0.62	505	1	0.03	11	600	2	0.33	-2	1	99	-20
I147754	185.60	186.10	0.50	Sericite-carbonate-silica alteration	I147754	0.01	0	0	0	0.01	-0.2	1.33	6	-10	40	-0.5	-2	2.87	-0.5	13	16	29	2.59	-10	-1	0.15	20	0.67	442	2	0.03	17	680	4	0.15	-2	1	97	-20
I147755	186.10	187.00	0.90	Shoulder; tr chalcopyrite	I147755	0.02	0	0	0	0.02	0.2	1.31	8	-10	30	-0.5	-2	2.56	-0.5	11	16	236	2.57	-10	-1	0.13	20	0.68	415	1	0.04	14	680	-2	0.09	-2	2	71	-20
I147756	199.50	200.50	1.00	Shoulder	I147756	0.01	0	0	0	0.01	-0.2	1.54	18	-10	30	-0.5	-2	2.4	-0.5	13	16	64	2.96	-10	-1	0.13	20	1.07	490	4	0.03	15	740	-2	0.18	-2	1	24	-20
I147757	200.50	201.50	1.00	Local pyrite stringers	I147757	0.06	0	0	0	0.06	0.3	1.44	28	-10	30	-0.5	-2	2.62	-0.5	10	10	130	2.69	-10	-1	0.15	20	0.77	461	1	0.03	14	760	3	0.23	-2	1	74	-20
I147758	201.50	202.35	0.85	Series of cm-thick pyrite veins; up to 10% pyrite	I147758	0.09	0	0	0	0.09	0.8	1.12	117	-10	30	-0.5	-2	2.61	-0.5	15	10	179	3.66	-10	1	0.19	20	0.57	500	2	0.02	15	650	8	2.27	-2	1	90	-20
I147759	202.35	203.00	0.65		I147759	0.04	0	0	0	0.04	0.3	1.33	16	-10	30	-0.5	-2	3.15	-0.5	10	15	165	2.64	-10	-1	0.14	20	0.7	560	1	0.03	14	690	3	0.16	-2	1	114	-20
I147760	203.00	204.00	1.00	Shoulder	I147760	0.05	0	0	0	0.05	0.7	1.35	12	-10	30	-0.5	-2	2.72	-0.5	11	16	214	2.62	-10	-1	0.15	20	0.67	452	1	0.03	13	670	-2	0.13	-2	1	92	-20
I147761	206.50	207.50	1.00	Shoulder	I147761	0.01	0	0	0	0.01	-0.2	1.35	10	-10	30	-0.5	-2	2.57	-0.5	9	17	23	2.59	-10	-1	0.13	30	0.67	434	1	0.03	13	690	3	0.03	-2	1	104	-20
I147762	207.50	208.30	0.80	Ankerite alteration zone	I147762	0.01	0	0	0	0.01	-0.2	0.83	8	-10	40	-0.5	-2	2.03	-0.5	5	8	7	1.56	-10	-1	0.13	30	0.39	319	1	0.03	7	360	-2	0.01	-2	1	77	-20
I147763	208.30	209.20	0.90	Ankerite alteration zone	I147763	-0.01	0	0	0	0	0.2	1.04	8	-10	40	-0.5	-2	3.64	-0.5	6	10	5	1.95	-10	-1	0.15	30	0.52	493	1	0.02	9	660	2	0.02	-2	1	113	-20
I147764	209.20	210.00	0.80		I147764	0.01	0	0	0	0.01	-0.2	1.38	12	-10	30	-0.5	-2	2.75	-0.5	11	19	27	2.69	10	-1	0.13	30	0.7	459	1	0.03	14	720	2	0.02	-2	2	107	-20
I147765	210.00	211.50	1.50	Shoulder	I147765	0.01	0	0	0	0.01	-0.2	1.17	12	-10	40	-0.5	-2	2.42	-0.5	10	12	15	2.31	-10	-1	0.14	20	0.58	379	1	0.03	12	690	-2	0.16	-2	1	76	-20
I147766	211.50	212.50	1.00	Local carbonate-(pyrite) vein	I147766	0.01	0	0	0	0.01	0.2	1.42	11	-10	30	-0.5	-2	2.6	-0.5	11	17	31	2.79	10	-1	0.12	30	0.73	454	1	0.04	15	780	-2	0.08	-2	2	95	-20
I147767	212.50	213.00	0.50	Local pyrite-carbonate veinlet	I147767	0.02	0	0	0	0.02	0.2	1.4	18	-10	30	-0.5	-2	2.65	-0.5	9	15	42	2.73	10	-1	0.15	30	0.71	463	1	0.03	13	690	2	0.16	-2	1	94	-20
I147768	213.00	213.60	0.60	Shoulder	I147768	0.02	0	0	0	0.02	-0.2	1.6	5	-10	30	-0.5	-2	1.91	-0.5	8	17	5	2.8	10	-1	0.12	30	1.05	322	1	0.05	13	730	-2	0.04	-2	3	49	-20
I147769	213.60	214.10	0.50	Weak shear	I147769	0.01	0	0	0	0.01	-0.2	2.18	2	-10	30	-0.5	-2	0.25	-0.5	10	14	1	3.02	10	-1	0.12	20	2.38	215	2	0.03	13	840	-2	0.02	-2	3	8	-20
I147770	214.10	214.90	0.80	Shoulder	I147770	-0.01	0	0	0	0	-0.2	2.02	4	-10	20	-0.5	-2	0.26	-0.5	10	18	1	3.11	10	-1	0.06	20	2.18	228	-1	0.06	13	730	-2	0.02	-2	4	8	-20
I147771	234.85	235.50	0.65	Sericite/chlorite-rich zone; tr pyrite	I147771	0.41	0	0	0	0.41	-0.2	2.75	2	-10	30	-0.5	-2	0.37	-0.5	15	21	-1	3.39	10	1	0.11	20	3.35	435	-1	0.04	19	990	-2	-0.01	-2	5	8	-20
I147772	235.50	236.20	0.70	Sericite/chlorite-rich zone; tr pyrite	I147772	0.01	0	0	0	0.01	-0.2	2.45	3	-10	40	-0.5	-2	0.38	-0.5	13	19	-1	3.38	10	-1	0.15	20	2.53	439	-1	0.04	20	1060	-2	-0.01	-2	4	5	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5357774 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-56-2010	EASTING:	451788 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	467m
START DATE:	June 7th 2010	Line 1+25N; Station 8+35E		CORE SIZE:	NQ
FINISH DATE:	June 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
0,00	**1,55**	**1,55**	**Casing/Overburden**
1,55	**275,40**	**273,85**	**Granite**
			Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
			Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
5,00	6,40		Strong and pervasive silica alteration zone; including locally tr-1% pyrite
9,49	9,83		Carbonate alteration zone (light grey color) including few chlorite-carbonate stringers; 40TCA
11,62	11,65		A 3cm-thick quartz-chlorite-carbonate vuggy vein; 50TCA
12,86	12,96		Quartz-chlorite vein; 50TCA
17,16	17,54		Carbonate alteration zone (light grey color) associated with a down-dip carbonate veinlet
20,71	20,73		A 1cm-thick carbonate-pyrite-(quartz) vein (30TCA); 1-2% pyrite; Silica-carbonate alteration zone associated
35,54	35,57		Quartz vein; 85TCA
49,60	51,00		Pervasive carbonate-silica alteration zone (medium-grey color)
49,71	50,13		Series of pyrite stringers (at a 5 to 15cm interval; 50TCA)
49,81	49,82		A 1cm-thick quartz-pyrite vein; 50TCA; 1-2% pyrite
53,55	55,00		Silica-carbonate alteration zone (medium to dark grey color)
60,92	60,95		A 3cm-thick quartz vein; 75TCA
64,76	64,80		A 4cm-thick quartz-(chlorite)-(carbonate) vein; 65TCA
67,90	67,92		A 1cm-thick quartz-pyrite-(calcite) vein; 50TCA; 2-3% pyrite
71,06	71,17		A 10cm-thick quartz-(carbonate) vein; 60TCA
71,65	72,20		Strong silica-sericite alteration zone (dark grey color)
73,24	73,32		A 7cm-thick quartz-(chlorite) vein; 60TCA
74,15	74,18		Aplite(?) dyke; sericitized; 75TCA
75,45	75,49		Quartz-chlorite vein; 65TCA
76,06	76,13		Aplite dyke; 25TCA
79,00	81,55		Sericite-silica-carbonate alteration zone (dark grey color)
80,50	80,78		A 25cm-thick quartz-pyrite vein; 30TCA; 25% pyrite
81,25	81,45		Series of pyrite stringers at a 5cm interval; 25TCA; 2-3% pyrite
84,50	86,70		Silica-carbonate alteration zone (dark grey color). Contacts are gradational
88,52	90,00		Silica-carbonate alteration zone (dark grey color). Contacts are gradational
90,40	92,00		Silica-carbonate alteration zone (dark grey color); including a down-dip pyrite stringer
94,45	104,00		Strong silica-sericite-carbonate alteration zone (dark grey color). Contacts are gradational
98,04	98,11		Semi-massive pyrite (+quartz and carbonate) in a 5cm vein; 25TCA
100,39	100,40		1-2% pyrite along carbonate veinlet edges; 50TCA
101,67	101,68		A 0.5cm-thick quartz-pyrite vein; 55TCA
106,43	106,50		A 6cm-thick quartz-(chlorite) vein; 65TCA
109,81	109,82		A 1cm-thick quartz-pyrite vein; 50TCA; 2-3% pyrite; silica-sericite alteration zone associated (10cm wide)
113,00	113,86		Silica-sericite alteration zone (dark grey color)
118,75	120,30		Silica-sericite alteration zone (dark grey color)
130,40	130,44		A 4cm-thick quartz-chlorite vein; 70TCA
139,10	139,11		A 1cm-thick carbonate-(pyrite) veinlet; 25TCA; 1% pyrite

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GeoVector Management Inc. GEOLOGICAL LOG

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PROJECT:	Carscallen	NORTHING:	5357774 N, NAD83	AZIMUTH:	310
HOLE NO:	CAR-56-2010	EASTING:	451788 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	467m
START DATE:	June 7th 2010	Line 1+25N; Station 8+35E		CORE SIZE:	NQ
FINISH DATE:	June 11th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation						
										Alteration Intensity					Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
139,75	146,60																				Pervasive sericite-carbonate-silica alteration zone (grey color)
140,05	140,70																				Low-angle (15TCA); pyrite stringer
141,12	141,40																				Pyrite stringers at a 5 to 10cm interval; 15TCA
142,84	142,85																				Pyrite-carbonate stringer; 20TCA
145,58	145,59																				Pyrite stringer; 35TCA
154,94	155,05																				A 1cm-thick carbonate-pyrite vein; 25TCA; 3-4% pyrite
157,19	157,19																				Pyrite stringer; 55TCA
164,11	164,18																				Syenite dyke; 65TCA
164,30	164,39																				Small shear zone; sericite-rich + 1% pyrite; 70TCA
165,09	165,16																				Syenite dyke; 65TCA
173,40	176,30																				Carbonate alteration zone (light grey). Contacts are gradational
182,45	184,45																				Carbonate alteration zone (light grey). Contacts are gradational
183,36	183,50																				A 11cm-thick quartz-pyrite vein; 60TCA; 25% pyrite
183,55	184,00																				1-2% pyrite disseminated in a sericite-rich zone
186,55	188,00																				Carbonate alteration zone (light grey). Contacts are gradational
187,54	187,65																				Aplite dyke (or syenite); 65TCA
189,45	201,25																				Pervasive silica-carbonate-sericite-(±hematite) alteration zone; including tr-1% disseminated pyrite and local quartz veinlet
201,25	203,95																				Strong sericite-ankerite alteration zone (yellowish-beige color); including 1% disseminated pyrite
201,50	201,53																				A 3cm-thick quartz-pyrite vein (55TCA); 5% pyrite
203,95	218,30																				Pervasive silica-carbonate-sericite-(±hematite) alteration zone; including tr-1% disseminated pyrite and local quartz veinlet
204,67	205,38																				Series of pyrite stringers and pyrite-quartz stringers at a 5 to 20cm interval (50 to 70TCA)
208,24	208,36																				Weak shear and/or sericite-rich zone; schistosity/shear: 35TCA
215,15	215,90																				Ankerite/sericite-rich zone (beige color)
227,00	227,85																				Carbonate-(hematite) alteration zone (light pinkish-grey color). Contacts are gradational
230,15	254,00																				Pervasive silica-carbonate-sericite-(±hematite) alteration zone
234,30	234,36																				Syenite dyke; 45TCA; weak sericitization; tr pyrite
254,00	256,00																				Sericite/chlorite-carbonate-(hematite) alteration; including locally tr-1% pyrite
256,00	260,05																				Pervasive silica-carbonate-sericite-(±hematite) alteration zone
260,05	261,40																				Sericite-rich alteration zone; schistosity well-developed (45TCA)
260,88	261,12																				A series of pyrite-(quartz) stringers at a 5cm interval
261,40	265,05																				Pervasive silica-carbonate-sericite-(±hematite) alteration zone
265,05	271,70																				Sericite-rich alteration zone; schistosity well-developed (65TCA); including tr-1% disseminated pyrite
265,72	265,74																				A 1cm-thick; disrupted quartz-jasper-(pyrite) vein; 70TCA
268,13	268,15																				A 1cm-thick quartz-green carbonate-chlorite vein (65TCA); including 1% pyrite along edges
268,22	268,27																				A 4cm-thick quartz-green carbonate-chlorite vein (65TCA); including 1% pyrite along edges
268,78	268,79																				A 1cm-thick quartz-green carbonate-chlorite vein (40TCA); including 1% pyrite along edges
271,70	275,40																				Pervasive silica-carbonate-sericite-(±hematite) alteration zone
273,24	273,27																				A 2cm-thick carbonate vein; 30TCA

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LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	467m
START DATE:	June 7th 2010	Line 1+25N; Station 8+35E		CORE SIZE:	NQ
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Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensity				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
275,40	**290,00**	**14,60**																			**Altered granite**
																					Carbonate-(hematite) alteration zone; presence of voids due to carbonate dissolution; locally tr-1% pyrite
281,00	282,90																				Zone with 1% disseminated pyrite
290,00	**393,95**	**103,95**																			**Granite**
																					Idem as previous granite unit; several sericite-carbonate-(±hematite) alteration zones
290,00	302,65																				Weak carbonate-sericite-(±hematite) alteration zone (light pinkish-grey color)
300,30	300,30																				Chlorite-carbonate-pyrite stringer; 55TCA; 1-2% pyrite
302,65	306,10																				Carbonate-(sericite) alteration zone (light grey color). Contacts are gradational
303,35	303,40																				A 4cm-thick quartz-pyrite vein; 65TCA; semi-massive pyrite
304,52	304,53																				A 0.5cm-thick quartz-pyrite vein; 50TCA; 1-2% pyrite
305,18	306,06																				Series of pyrite-(quartz) veins/stringers (~1cm-thick) at a 15cm interval; 3-4% pyrite
309,75	314,75																				Pervasive carbonate-sericite alteration zone
310,53	310,55																				A 1cm-thick pyrite-quartz vein; 55TCA; 3-4% pyrite
311,12	311,14																				A 2cm-thick quartz-pyrite vein; 50TCA; 5% pyrite
316,70	318,50																				Carbonate-(±hematite) alteration zone (light pinkish-grey color). Contacts are gradational
317,28	317,29																				Pyrite stringer (60TCA) and quartz veinlet (50TCA)
318,22	318,22																				Pyrite-quartz stringer; 50TCA
323,25	326,70																				Carbonate-(±hematite) alteration; contacts are gradational
323,66	323,67																				A 1cm-thick quartz-(pyrite) vein; 50TCA
324,13	324,15																				A 2cm-thick quartz vein; 60TCA
335,00	336,00																				Carbonate-(±hematite) alteration zone; contacts are gradational
335,30	335,31																				Pyrite stringer; 55TCA
335,58	335,59																				1cm-thick quartz vein; 65TCA; tr chalcopyrite
339,70	352,00																				Carbonate-sericite-(silica) alteration zone (grey color); including locally tr disseminated pyrite. Contacts are gradational.
345,04	345,53																				Shear zone and/or sericite-rich zone with schistosity well-developed (65TCA)
347,35	347,40																				Series of fine pyrite stringers (50TCA); 1% pyrite
348,62	348,63																				A 0.5cm-thick quartz-(pyrite) veinlet; 65TCA; tr-1% pyrite
349,63	349,74																				2-3% pyrite as disseminated grains and as local stringers/veinlets
349,97	350,01																				A 3cm-thick pyrite-(carbonate)-(quartz) vein; 30TCA; 5% pyrite
350,72	350,79																				A 3cm-thick quartz-carbonate vein (35TCA); including pyrite cm blebs; 1-2% pyrite
352,00	355,85																				Weak carbonate alteration zone (light grey color). Contacts are gradational
355,85	360,70																				Sericite-carbonate alteration zone (greenish-grey color); including local quartz veinlet (0.5cm-thick); schistosity well-developed (50TCA)
356,20	356,21																				Quartz-(pyrite) vein (40TCA); 1% pyrite
358,82	358,83																				A 1cm-thick quartz-pyrite vein (55TCA); 1-2% pyrite
360,70	391,00																				Pervasive carbonate-(±hematite) alteration zone (light pinkish grey color); locally sericite-rich. Contacts are gradational. Presence of carbonate tension fractures/veinlets
366,90	367,22																				Aplite dyke; sericitized. Uphole contact is brecciated.
392,30	393,55																				Weak goethite alteration zone

7 GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357774 N, NAD83	**AZIMUTH:**	310
HOLE NO:	CAR-56-2010	**EASTING:**	451788 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	467m
START DATE:	June 7th 2010	**Line 1+25N; Station 8+35E**		**CORE SIZE:**	NQ
FINISH DATE:	June 11th 2010				

Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensity				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
393,55	**404,35**	**10,80**																			**Mafic volcanic rock**
																					Breccia flow; core is partially broken near the granite contact zone
394,65	394,65																				Pyrite stringer; 85TCA
395,55	396,10																				Silica-rich iron formation (chert bed); including magnetite and 2-3% pyrite
396,10	397,00																				Partially broken core
404,35	**407,05**	**2,70**																			**Iron formation and/or sulphide-rich horizon**
																					Local semi-massive pyrite zones and silica-rich (chert?). Not magnetite
406,07	406,51																				Semi-massive pyrite as pluri-cm-thick veins (55 to 65TCA)
407,05	**410,40**	**3,35**																			**Mafic volcanic rock**
																					Chlorite-rich
409,75	410,00																				Granite dyke
410,06	410,08																				Carbonate-pyrite vein; 25TCA
410,40	**414,45**	**4,05**																			**Granite dyke**
																					Unaltered granite; including mafic xenoliths
412,25	412,75																				Mafic xenolith
412,85	413,12																				Mafic xenolith
413,12	414,45																				Granite; carbonate alteration
414,45	**418,50**	**4,05**																			**Iron formation**
																					Alternance of cm to pluri-cm thick beds of chlorite, chamosite(?), chert, pyrite, pyrrhotite and magnetite; 40 to 60TCA. Local tr-1% chalcopyrite
414,45	415,05																				Chert-rich beds ± chamosite, 2-3% pyrite; 3-4% pyrrhotite
415,05	415,85																				Pyrrhotite-rich zone + chamosite ± chert, 1% chalcopyrite
415,85	416,60																				Chamosite-chert zone
416,09	416,12																				Massive pyrite layers
416,60	417,60																				Chlorite-quartz (vein?), pyrite-pyrrhotite (1-2%)
417,60	418,50																				Magnetite-quartz-chlorite, ± chamosite, ± pyrite (1%)
418,50	**436,40**	**17,90**																			**QFP**
																					Yellowish-beige color due to sericite alteration; including local quartz veinlets (0.5cm-thick); tr pyrite
431,45	431,48																				3cm-thick quartz vein; 70TCA
432,01	432,02																				1cm-thick quartz vein; 60TCA; 1-2% pyrite along the edges
433,16	433,65																				Carbonate alteration; grey color
434,00	436,40																				Micro-fracture network
435,08	435,23																				Series of two quartz veins; 1cm-thick; 30TCA and 150TCA (90+60)
436,40	**443,45**	**7,05**																			**Mafic volcanic rock**
																					Chlorite-rich
436,40	437,07																				Silica-rich zone at the uphole contact with QFP
443,45	**444,45**	**1,00**																			**Granite dyke**
																					Carbonate-silica alteration. Downhole contact is sheared
444,45	**453,25**	**8,80**																			**QFP dyke**

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357774 N, NAD83	**AZIMUTH:**	310
HOLE NO:	CAR-56-2010	**EASTING:**	451788 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	467m
START DATE:	June 7th 2010	**Line 1+25N; Station 8+35E**		**CORE SIZE:**	NQ
FINISH DATE:	June 11th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
																				Feldspar porphyry; greenish-grey color. Uphole contact is shear
444,45	444,70																			Shear zone; 45TCA
445,61	445,61																			Pyrite stringer; 55TCA
445,73	445,74																			A 1cm-thick pyrrhotite-carbonate-(±pyrite) vein; 55TCA
446,82	446,83																			Pyrrhotite stringer; 80TCA
447,26	447,27																			Pyrrhotite-carbonate vein; 60TCA
451,80	452,00																			Broken core
453,25	**467,00**	**13,75**																		**Mafic volcanic rock**
																				Chlorite-rich; local down-dip and low-angle pegmatite dykes
456,22	456,35																			Magnetite-chlorite-(pyrite) zone; iron formation xenolith(?)
456,86	457,86																			Pegmatite dyke (15TCA; locally down-dip)
458,75	459,03																			Granite dyke + quartz veins (50TCA)
467,00	**EOH**																			

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5357774 N, NAD83	**AZIMUTH:**	310.00
HOLE NO:	CAR-56-2010	**EASTING:**	451788 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	467m
START DATE:	June 7th 2010			**CORE SIZE:**	NQ
FINISH DATE:	June 11th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	SAMPLE_	AU_G/TFA	AU_G/TF/	AU_G/TGI	AU_G/TN	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I147773	5.00	5.80	0.80	Silica alteration zone	I147773	-0.01	0	0	0	0	-0.2	1.09	10	-10	70	-0.5	-2	1.82	-0.5	10	13	22	2.1	-10	-1	0.29	20	0.57	349	-1	0.04	22	640	3	-0.01	-2	2	46	-20
I147774	5.80	5.80	0.00	Blank	I147774	-0.01	0	0	0	0	-0.2	1.98	-2	-10	20	-0.5	-2	0.35	-0.5	11	20	1	3.58	10	-1	0.06	10	1.86	368	-1	0.07	18	890	-2	-0.01	-2	4	10	-20
I147775	5.80	5.80	0.00	Standard-L																																			
I147776	5.80	6.40	0.60	Silica alteration zone; tr-1% pyrite																																			
I147777	20.00	20.60	0.60	Shoulder	I147777	-0.01	0	0	0	0	-0.2	1.15	10	-10	50	-0.5	-2	2.15	-0.5	9	11	13	2.24	10	-1	0.21	20	0.6	368	-1	0.05	14	650	-2	-0.01	-2	2	77	-20
I147778	20.60	21.10	0.50	Local pyrite-carbonate vein	I147778	0.19	0	0	0	0.19	0.3	0.95	30	-10	70	-0.5	-2	2.66	-0.5	12	6	271	2.12	-10	-1	0.29	20	0.47	383	-1	0.03	17	650	2	0.34	-2	1	71	-20
I147779	21.10	22.00	0.90	Shoulder	I147779	-0.01	0	0	0	0	-0.2	1.16	11	-10	50	-0.5	-2	2.47	-0.5	10	12	15	2.32	-10	-1	0.2	30	0.62	409	-1	0.05	14	650	-2	-0.01	-2	2	86	-20
I147780	49.00	49.60	0.60	Shoulder	I147780	-0.01	0	0	0	0	-0.2	1.26	9	-10	40	-0.5	-2	1.78	-0.5	9	13	11	2.41	10	-1	0.14	20	0.71	369	-1	0.06	14	640	-2	-0.01	-2	3	67	-20
I147781	49.60	50.30	0.70	Series of pyrite stringers + 1cm-thick quartz-pyrite vein	I147781	0.11	0	0	0	0.11	-0.2	1.09	13	-10	50	-0.5	2	2.66	-0.5	8	8	59	2.32	-10	-1	0.22	20	0.6	427	-1	0.04	12	780	2	0.34	-2	2	52	-20
I147782	50.30	51.00	0.70	Shoulder	I147782	0.01	0	0	0	0.01	-0.2	1.26	7	-10	70	-0.5	-2	2.22	-0.5	8	12	18	2.41	-10	-1	0.22	20	0.65	410	-1	0.06	13	670	-2	-0.01	-2	3	74	-20
I147783	67.00	67.50	0.50	Shoulder	I147783	0.03	0	0	0	0.03	-0.2	1.14	3	-10	70	-0.5	-2	1.06	-0.5	10	13	10	2	-10	-1	0.18	20	0.73	333	-1	0.05	15	650	-2	-0.01	-2	2	76	-20
I147784	67.50	68.00	0.50	1cm-thick quartz-pyrite vein; 2-3% pyrite	I147784	0.40	0	0	0	0.4	0.2	1.07	10	-10	60	-0.5	-2	1.31	-0.5	9	12	40	2.09	-10	-1	0.2	20	0.66	342	-1	0.04	14	650	2	0.2	-2	2	73	-20
I147785	68.00	68.50	0.50	Shoulder	I147785	-0.01	0	0	0	0	-0.2	1.16	3	-10	60	-0.5	-2	1.09	-0.5	10	16	11	2.06	-10	-1	0.14	20	0.72	347	-1	0.05	15	660	-2	-0.01	-2	2	76	-20
I147786	79.00	79.65	0.65	Shoulder	I147786	-0.01	0	0	0	0	-0.2	1.14	6	-10	60	-0.5	-2	3.19	-0.5	9	11	16	2.21	-10	-1	0.19	20	0.6	517	-1	0.04	13	630	-2	0.04	-2	1	83	-20
I147787	79.65	80.35	0.70	Sericite-silica-carbonate alteration zone	I147787	0.01	0	0	0	0.01	-0.2	1.18	6	-10	50	-0.5	-2	2.34	-0.5	8	11	34	2.27	-10	-1	0.19	20	0.61	422	-1	0.04	13	650	-2	0.02	-2	2	67	-20
I147788	80.35	80.85	0.50	25cm-thick quartz-pyrite vein; 25% pyrite	I147788	>10.00	0	17.7	0	17.7	32.1	0.85	222	-10	40	-0.5	268	1.6	1.3	26	7	413	8.02	-10	-1	0.18	10	0.41	312	-1	0.03	13	480	172	8.5	-2	1	50	-20
I147789	80.85	81.55	0.70	Series of pyrite stringers	I147789	0.48	0	0	0	0.48	1.9	1.19	53	-10	60	-0.5	8	1.7	-0.5	15	9	149	3.23	-10	-1	0.25	20	0.58	365	-1	0.04	16	720	13	1.43	-2	2	45	-20
I147790	81.55	82.25	0.70	Shoulder	I147790	0.01	0	0	0	0.01	-0.2	1.29	8	-10	40	-0.5	-2	1.89	-0.5	9	14	16	2.35	10	-1	0.14	20	0.69	399	-1	0.05	15	670	-2	-0.01	-2	3	80	-20
I147791	90.40	91.20	0.80	Sericite-silica alteration zone	I147791	0.01	0	0	0	0.01	-0.2	1.11	14	-10	60	-0.5	-2	1.89	-0.5	10	10	25	2.2	-10	-1	0.19	20	0.57	394	1	0.04	13	700	2	0.22	-2	2	47	-20
I147792	91.20	92.00	0.80	ericite-silica alteration zone; including down-dip pyrite strin	I147792	0.03	0	0	0	0.03	0.2	1.04	27	-10	70	-0.5	2	2.49	-0.5	9	7	41	2.1	-10	-1	0.22	20	0.52	470	-1	0.04	12	680	5	0.29	-2	2	58	-20
I147793	97.00	97.75	0.75	Sericite-silica-carbonate alteration zone	I147793	0.03	0	0	0	0.03	-0.2	1.14	10	-10	40	-0.5	2	2.41	-0.5	10	9	57	2.19	-10	-1	0.19	20	0.57	387	1	0.04	12	650	-2	0.05	-2	1	84	-20
I147794	97.75	98.25	0.50	A 5cm-thick semi-massive pyrite vein	I147794	9.47	0	0	0	9.47	5.9	1.01	71	-10	50	-0.5	22	2.88	-0.5	11	14	305	3.45	-10	-1	0.21	20	0.48	374	-1	0.03	14	590	7	2.09	-2	1	82	-20
I147795	98.25	99.00	0.75	Sericite-silica-carbonate alteration zone	I147795	0.04	0	0	0	0.04	-0.2	1.3	8	-10	40	-0.5	-2	2.58	-0.5	9	9	81	2.49	-10	-1	0.16	20	0.66	407	-1	0.05	13	660	-2	0.04	-2	1	98	-20
I147796	99.00	100.00	1.00	Sericite-silica-carbonate alteration zone	I147796	-0.01	0	0	0	0	-0.2	1.27	9	-10	30	-0.5	-2	2.47	-0.5	9	10	13	2.43	-10	-1	0.13	20	0.7	384	-1	0.05	13	630	-2	0.02	-2	2	90	-20
I147797	100.00	100.70	0.70	ericite-silica-carbonate alteration zone; including 1-2% pyr	I147797	0.03	0	0	0	0.03	-0.2	1.42	11	-10	40	-0.5	-2	2.74	-0.5	9	10	3	2.68	-10	-1	0.15	20	0.88	401	-1	0.05	13	710	-2	0.15	-2	2	69	-20
I147798	100.70	101.50	0.80	Sericite-silica-carbonate alteration zone	I147798	0.01	0	0	0	0.01	-0.2	1.38	7	-10	40	-0.5	-2	2.34	-0.5	9	14	12	2.57	10	-1	0.15	20	0.77	413	-1	0.06	15	680	-2	-0.01	-2	2	81	-20
I147799	101.50	101.50	0.00	Blank	I147799	0.02	0	0	0	0.02	-0.2	2.56	2	-10	20	-0.5	2	0.39	-0.5	12	19	-1	4.03	10	-1	0.08	30	2.77	412	-1	0.06	18	920	-2	-0.01	-2	5	14	-20
I147800	101.50	101.50	0.00	Standard-H																																			
I147801	101.50	102.00	0.50	-silica-carbonate alteration zone including local quartz-pyrite veinle																																			
I147802	102.00	103.00	1.00	Sericite-silica-carbonate alteration zone	I147802	0.01	0	0	0	0.01	-0.2	1.23	9	-10	40	-0.5	-2	2.28	-0.5	9	13	52	2.4	-10	-1	0.15	20	0.65	402	-1	0.05	13	650	-2	-0.01	-2	2	74	-20
I147803	109.00	109.50	0.50	Shoulder	I147803	0.01	0	0	0	0.01	-0.2	1.22	9	-10	50	-0.5	-2	1.58	-0.5	10	13	16	2.15	10	-1	0.13	30	0.74	409	2	0.05	15	690	-2	-0.01	-2	2	80	-20
I147804	109.50	110.00	0.50	1cm-thick quartz-pyrite vein	I147804	0.13	0	0	0	0.13	0.7	1.21	23	-10	50	-0.5	2	1.36	-0.5	10	12	113	2.49	-10	-1	0.16	20	0.73	387	3	0.04	16	710	-2	0.52	-2	2	68	-20
I147805	110.00	110.50	0.50	Shoulder	I147805	0.01	0	0	0	0.01	-0.2	1.21	9	-10	50	-0.5	-2	1.25	-0.5	10	14	19	2.06	10	-1	0.13	30	0.73	363	-1	0.05	15	680	-2	-0.01	-2	2	82	-20
I147806	138.90	139.75	0.85	Shoulder	I147806	0.01	0	0	0	0.01	-0.2	1.29	10	-10	50	-0.5	-2	1.95	-0.5	9	13	9	2.38	-10	-1	0.22	30	0.71	383	4	0.04	15	690	-2	0.05	-2	2	39	-20
I147807	139.75	140.75	1.00	Local pyrite stringer	I147807	0.04	0	0	0	0.04	-0.2	1.24	25	-10	50	-0.5	3	1.23	-0.5	14	8	30	2.72	-10	-1	0.21	20	0.73	313	4	0.03	15	710	-2	0.58	-2	1	14	-20
I147808	140.75	141.50	0.75	Local pyrite stringer	I147808	0.02	0	0	0	0.02	0.2	1.25	30	-10	50	-0.5	3	1.8	-0.5	10	10	22	2.63	-10	-1	0.21	20	0.73	375	2	0.04	15	700	-2	0.46	-2	2	23	-20
I147809	141.50	142.25	0.75		I147809	0.03	0	0	0	0.03	-0.2	1.42	21	-10	50	-0.5	-2	2.24	-0.5	14	11	65	3.01	-10	-1	0.2	20	0.85	456	2	0.04	23	890	3	0.46	-2	3	35	-20
I147810	142.25	143.00	0.75	Local pyrite stringer	I147810	0.01	0	0	0	0.01	0.2	1.32	28	-10	50	-0.5	-2	1.83	-0.5	12	13	45	2.65	-10	-1	0.2	20	0.77	400	1	0.04	20	750	3	0.35	-2	2	40	-20
I147811	143.00	144.00	1.00		I147811	0.01	0	0	0	0.01	-0.2	1.27	19	-10	50	-0.5	-2	1.99	-0.5	11	12	97	2.56	-10	-1	0.18	20	0.74	394	2	0.04	17	710	2	0.27	-2	3	45	-20
I147812	144.00	145.00	1.00		I147812	0.07	0	0	0	0.07	-0.2	1.2	38	-10	50	-0.5	-2	1.76	-0.5	11	13	150	2.61	-10	-1	0.22	30	0.67	368	4	0.04	16	720	-2	0.52	-2	2	30	-20
I147813	145.00	145.75	0.75	Local pyrite stringer	I147813	1.70	0	0	0	1.7	1.4	0.97	84	-10	50	-0.5	97	2.44	-0.5	13	6	433	2.81	-10	1	0.27	20	0.55	325	3	0.03	13	690	18	1.42	-2	1	22	-20
I147814	145.75	146.60	0.85		I147814	0.02	0	0	0	0.02	-0.2	1.25	14	-10	50	-0.5	2	2.01	-0.5	7	12	19	2.38	-10	-1	0.19	20	0.73	410	4	0.04	15	740	-2	0.07	-2	2	30	-20
I147815	154.00	154.70	0.70	Shoulder	I147815	-0.01	0	0	0	0	-0.2	1.41	21	-10	40	-0.5	-2	1.99	-0.5	11	14	20	2.5	-10	-1	0.14	20	0.87	467	-1	0.05	18	730	-2	0.02	-2	3	66	-20
I147816	154.70	155.20	0.50	1cm-thick carbonate-pyrite vein	I147816	0.95	0	0	0	0.95	0.5	1.46	45	-10	50	-0.5	-2	1.9	-0.5	11	14	172	3.16	-10	-1	0.23	20	0.89	488	-1	0.03	21	870	-2	0.83	-2	2	44	-20
I147817	155.20	156.00	0.80	Shoulder	I147817	-0.01	0	0	0	0	-0.2	1.3	19	-10	40	-0.5	-2	1.99	-0.5	11	12	15	2.36	-10	-1	0.16	20	0.76	447	-1	0.05	15	720	-2	-0.01	-2	3	65	-20
I147818	156.00	157.00	1.00		I147818	0.03	0	0	0	0.03	-0.2	1.23	18	-10	50	-0.5	-2	2.62	-0.5	10	12	37	2.39	-10	-1	0.21	20	0.68	508	-1	0.03	15	730	-2	0.09	-2	2	47	-20
I147819	157.00	158.00	1.00	Local pyrite stringer	I147819	0.01	0	0	0	0.01	-0.2	1.23	17	-10	50	-0.5	-2	2.09	-0.5	10	13	22	2.39	-10	-1	0.21	20	0.67	439	-1	0.04	15	720	-2	0.2	-2	2	50	-20
I147820	164.10	164.60	0.50	Syenite dyke + shear zone	I147820	-0.01	0	0	0	0	-0.2	1.3	20	-10	50	-0.5	-2	1.81	-0.5	10	12	29	2.27	-10	-1	0.16	30	0.74	403	-1	0.05	15	720	-2	0.02	-2	2	69	-20
I147821	164.60	165.35	0.75	Local syenite dyke	I147821	-0.01	0	0	0	0	-0.2	1.27	17	-10	50	-0.5	-2	2.32	-0.5	9	12	20	2.41	-10	-1	0.17	20	0.72	454	-1	0.05	15	690	2	0.01	-2	2	66	-20
I147822	182.45	183.30	0.85	Shoulder	I147822	0.04	0	0	0	0.04	0.2	1.2	8	-10	60	-0.5	-2	2.19	-0.5	9	15	26	2.54	-10	-1	0.22	30	0.66	427	-1	0.04	14	770	-2	0.18	-2	2	64	-20
I147823	183.30	184.00	0.70	A 11cm-thick quartz-pyrite vein; 25% pyrite	I147823	>10.00	0	21.2	0	21.2	9.7	0.99	117	-10	50	-0.5	47	1.26	-0.5	14	8	700	4.91	-10	-1	0.25	20	0.49	289	-1	0.02	14	630	10	3.75	-2	1	25	-20
I147824	184.00	184.00	0.00	Blank	I147824	0.01	0	0	0	0.01	0.2	2.34	-2	-10	10	-0.5	-2	0.76	-0.5	12	19	2	4.05	10	-1	0.03	40	2.6	420	-1	0.07	18	950	-2	-0.01	-2	6	17	-20
I147825	184.00	184.00	0.00	Standard-L																																			
I147826	184.00	185.00	1.00	Shoulder																																			
I147827	194.00	195.00	1.00	Silica-carbonate-sericite-(hem) alteration	I147827	-0.01	0	0	0	0	-0.2	1.09	3	-10	40	-0.5	-2	2.32	-0.5	9	14	8	2.53	-10	-1	0.12	30	0.69	444	-1	0.05	13	690	-2	0.03	-2	2	115	-20
I147828	195.00	196.00	1.00	Silica-carbonate-sericite-(hem) alteration	I147828	-0.01	0	0	0	0	-0.2	0.99	-2	-10	40	-0.5	-2	2.49	-0.5	8	12	8	2.52	-10	-1	0.14	30	0.7	479	1	0.05	13	700	-2	0.01	-2	2	129	-20
I147829	196.00	197.00	1.00	Silica-carbonate-sericite-(hem) alteration	I147829	-0.01	0	0	0	0	-0.2	1.15	2	-10	40	-0.5	-2	2.37	-0.5	8	14	6	2.52	-10	-1	0.12	30	0.67	449	-1	0.05	13	660	-2	0.01	-2	2	124	-20
I147830	197.00	198.00	1.00	Silica-carbonate-sericite-(hem) alteration	I147830	0.12	0	0	0	0.12	0.2	1.2	3	-10	40	-0.5	-2	2.28	-0.5	8	13	27	2.53	-10	-1	0.13	30	0.67	411	-1	0.05	13	630	-2	0.09	-2	1	106	-20
I147831	200.50	201.25	0.75	Silica-carbonate-sericite-(hem) alteration	I147831	0.01	0	0	0	0.01	-0.2	1.17	3	-10	50	-0.5	-2	2.27	-0.5	8	15	5	2.62	10	-1	0.13	30	0.68	440	-1	0.05	13	680	-2	-0.01	-2	2	110	-20
I147832	201.25	201.75	0.50	3cm-thick quartz-pyrite vein; 5% pyrite	I147832	0.84	0	0	0	0.84	1.1	0.95	40	-10	40	-0.5	-2	1.92	-0.5	10	10	60	2.97	-10	-1	0.15	20	0.94	463	-1	0.04	13	710	-2	0.81	-2	2	55	-20
I147833	201.75	202.50	0.75	Sericite-ankerite alteration zone	I147833	0.03	0	0	0	0.03	0.2	0.68	10	-10	40	-0.5	-2	2.39	-0.5	8	9	18	2.56	-10	-1	0.15	20	0.69	521	3	0.05	13	690	2	0.3	-2	1	85	-20
I147834	202.50	203.25	0.75	Sericite-ankerite alteration zone	I147834	0.02	0	0	0	0.02	-0.2	0.73	4	-10	40	-0.5	-2	2.84	-0.5	8	9	10	2.62	-10	-1	0.16	30	0.77	590	-1	0.04	13	730	2	0.06	-2	1	112	-20
I147835	203.25	203.95	0.70		I147835	0.02	0	0	0	0.02	-0.2	1.21	2	-10	40	-0.5	-2	2.32	-0.5	9	15	9	2.65	-10	-1	0.11	30	0.73	482	-1	0.05	14	720	-2	-0.01	-2	2	109	-20
I147836	203.95	204.65	0.70	Silica-carbonate-sericite-(hem) alteration	I147836	0.01	0	0	0	0.01	-0.2	1.22	-2	-10	40	-0.5	-2	2.26	-0.5	8	15	10	2.54	-10	-1	0.1	30	0.7	433	2	0.05	14	670	2	0.01	-2	2	115	-20
I147837	204.65	205.40	0.75	Series of pyrite and quartz-pyrite stringers	I147837	0.04	0	0	0	0.04	-0.2	0.63	7	-10	40	-0.5	-2	2.29	-0.5	9	7	17	2.36	-10	-1	0.16	20	0.64	480	-1	0.04	12	610	2	0.26	-2	1	96	-20
I147838	205.40	206.50	1.10	Silica-carbonate-sericite-(hem) alteration	I147838	0.25	0	0	0	0.25	1.8	1.05	34	-10	50	-0.5	-2	2.4	-0.5	9	11	108	2.83	-10	-1	0.18	30	0.67	549	1	0.04	14	730	2	0.78	-2	1	110	-20
I147839	206.50	208.00	1.50	Silica-carbonate-sericite-(hem) alteration	I147839	0.01	0	0	0	0.01	-0.2	1.45	2	-10	40	-0.5	-2	2.53	-0.5	11	15	17	2.96	10	-1	0.12	30	0.87	539	-1	0.06	16	840	-2	0.01	-2	3	121	-20
I147840	208.00	208.60	0.60	Local shear	I147840	0.01	0	0	0	0.01	-0.2	1.34	3	-10	900	-0.5	-2	3.4	-0.5	10	14	6	2.76	-10	-1	0.14	30	0.72	625	-1	0.05	18	960	-2	0.03	-2	3	157	-20
I147841	208.60	209.25	0.65	Silica-carbonate-sericite-(hem) alteration	I147841	-0.01	0	0	0	0	-0.2	1.39	-2	-10	40	-0.5	-2	2.33	-0.5	9	13	4	2.63	10	-1	0.11	30	0.8	464	-1	0.05	15	720	-2	-0.01	-2	2	108	-20
I147842	214.00	215.00	1.00	Silica-carbonate-sericite-(hem) alteration	I147842	0.01	0	0	0	0.01	-0.2	1.19	-2	-10	40	-0.5	-2	2.55	-0.5	9	14	8	2.62	10	-1	0.12	30	0.75	487	-1	0.05	14	720	-2	0.03	-2	2	126	-20
I147843	215.00	216.00	1.00	Local ankerite/sericite alteration	I147843	0.01	0	0	0	0.01	-0.2	0.96	2	-10	50	-0.5	-2	2.64	-0.5	9	11	10	2.54	-10	-1	0.15	30	0.73	504	-1	0.04	13	710	-2	0.08	-2	2	131	-20
I147844	216.00	216.75	0.75	Shoulder	I147844	0.08	0	0	0	0.08	-0.2	1.34	2	-10	40	-0.5	-2	2.76	-0.5	9	15	9	2.79	10	-1	0.14	30	0.79	511	-1	0.04	15	780	-2	0.03	-2	2	139	-20
I147845	233.00	234.00	1.00	Shoulder	I147845	0.01	0	0	0	0.01	-0.2	1.33	3	-10	50	-0.5	-2	2.5	-0.5	10	14	31	2.84	10	-1	0.12	30	0.79	487	-1	0.02	17	940	3	0.02	-2	2	110	-20
I147846	234.00	234.50	0.50	Local syenite dyke; including tr pyrite	I147846	0.01	0	0	0	0.01	-0.2	1.18	2	-10	40	-0.5	-2	2.32	-0.5	9	14	8	2.29	-10	-1	0.13	30	0.64	435	-1	0.03	13	630	2	0.07	-2	2	105	-20
I147847	234.50	235.50	1.00	Shoulder	I147847	0.02	0	0	0	0.02	-0.2	1.26	6	-10	40	-0.5	-2	2.44	-0.5	9	12	7	2.51	-10	-1	0.14	30	0.7	451	-1	0.02	14	680	2	0.34	-2	2	104	-20
I147848	250.00	251.00	1.00	Local pyrite along carbonate-chlorite veinlet	I147848	0.01	0	0	0	0.01	-0.2	1.43	-2	-10	50	-0.5	-2	2.64	-0.5	9	14	9	2.63	-10	-1	0.15	30	0.76	473	-1	0.02	15	730	-2	0.05	-2	2	93	-20
I147849	251.00	251.00	0.00	Blank	I147849	0.01	0	0	0	0.01	-0.2	2.9	-2	-10	10	-0.5	-2	0.67	-0.5	15	19	-1	4.73	10	1	0.02	40	3.14	530	-1	0.05	20	1290	-2	-0.01	2	8	17	-20
I147850	251.00	251.00	0.00	Standard-H																																			
I149212	251.00	252.00	1.00	Carbonate-sericite-(hematite) alteration zone																																			
I149213	252.00	253.00	1.00	Carbonate-sericite-(hematite) alteration zone	I149213	-0.01	0	0	0	0	-0.2	1.28	2	-10	40	-0.5	-2	2.97	-0.5	9	14	13	2.59	10	-1	0.12	30	0.69	469	-1	0.03	14	700	2	0.04	-2	2	107	-20
I149214	253.00	254.00	1.00	Carbonate-sericite-(hematite) alteration zone	I149214	-0.01	0	0	0	0	-0.2	1.4	-2	-10	40	-0.5	-2	2.78	-0.5	9	15	9	2.75	-10	1	0.12	30	0.73	433	-1	0.02	16	780	-2	0.03	-2	2	77	-20
I149215	254.00	255.00	1.00	Carbonate-sericite-(hematite) alteration zone; tr pyrite	I149215	-0.01	0	0	0	0	-0.2	1.4	-2	-10	50	-0.5	-2	3.11	-0.5	8	8	5	2.44	-10	1	0.19	30	0.85	480	-1	0.01	13	730	-2	0.02	-2	1	91	-20
I149216	255.00	256.00	1.00	Carbonate-sericite-(hematite) alteration zone; tr-1% pyrite	I149216	-0.01	0	0	0	0	-0.2	1.42	-2	-10	50	-0.5	-2	3.05	-0.5	9	7	13	2.41	-10	-1	0.18	30	0.82	486	-1	0.01	12	700	-2	0.08	-2	1	88	-20
I149217	256.00	257.00	1.00	Carbonate-sericite-(hematite) alteration zone	I149217	-0.01	0	0	0	0	-0.2	1.54	-2	-10	40	-0.5	-2	2.9	-0.5	10	13	6	2.71	-10	1	0.12	30	0.8	479	-1	0.03	16	750	-2	0.05	-2	2	98	-20
I149218	257.00	258.00	1.00	Carbonate-sericite-(hematite) alteration zone	I149218	-0.01	0	0	0	0	-0.2	1.44	-2	-10	50	-0.5	-2	2.63	-0.5	9	14	6	2.6	-10	-1	0.14	30	0.74	435	-1	0.02	14	710	-2	0.03	-2	2	80	-20
I149219	258.00	259.00	1.00	Carbonate-sericite-(hematite) alteration zone	I149219	-0.01	0	0	0	0	-0.2	1.4	3	-10	50	-0.5	-2	2.79	-0.5	9	13	4	2.5	-10	-1	0.13	30	0.75	460	-1	0.03	14	730	-2	0.01	-2	2	82	-20
I149220	259.00	260.05	1.05	Carbonate-sericite-(hematite) alteration zone	I149220	-0.01	0	0	0	0	-0.2	1.55	2	-10	40	-0.5	-2	2.91	-0.5	9	14	7	2.71	-10	-1	0.13	30	0.82	472	1	0.03	15	750	-2	0.01	-2	2	85	-20
I149221	260.05	260.75	0.70	Sericite-rich zone	I149221	-0.01	0	0	0	0	-0.2	1.42	-2	-10	40	-0.5	-2	3.25	-0.5	10	12	11	2.63	-10	-1	0.16	30	0.83	534	-1	0.01	15	810	-2	0.04	-2	2	69	-20
I149222	260.75	261.40	0.65	Sericite-rich zone + pyrite stringers/veinlets	I149222	0.18	0	0	0	0.18	-0.2	1.22	21	-10	50	-0.5	-2	3.66	-0.5	8	7	46	2.33	-10	-1	0.18	20	0.66	620	-1	-0.01	12	650	-2	0.53	-2	1	80	-20
I149223	261.40	262.50	1.10	Shoulder	I149223	-0.01	0	0	0	0	-0.2	1.51	-2	-10	80	-0.5	-2	2.53	-0.5	9	14	14	2.67	-10	-1	0.13	30	0.77	445	-1	0.02	14	780	-2	-0.01	-2	2	121	-20
I149224	262.50	262.50	0.00	Blank	I149224	-0.01	0	0	0	0	-0.2	2.69	4	-10	10	-0.5	-2	0.65	-0.5	15	20	-1	4.24	10	-1	0.02	30	2.93	441	-1	0.05	21	1010	-2	-0.01	-2	7	16	-20
I149225	262.50	262.50	0.00	Standard-L																																			
I149226	262.50	264.00	1.50	Shoulder																																			
I149227	264.00	265.05	1.05		I149227	-0.01	0	0	0	0	-0.2	1.46	-2	-10	50	-0.5	-2	2.61	-0.5	9	14	3	2.52	-10	-1	0.13	30	0.72	381	-1	0.03	15	700	-2	0.01	-2	2	82	-20
I149228	265.05	266.00	0.95	Sericite-rich zone + tr pyrite	I149228	0.02	0	0	0	0.02	-0.2	1.48	2	-10	50	-0.5	-2	3.05	-0.5	9	9	12	2.54	10	-1	0.15	20	0.72	406	-1	0.02	13	730	-2	0.14	-2	2	87	-20
I149229	266.00	267.00	1.00	Sericite-rich zone + tr-1% pyrite	I149229	-0.01	0	0	0	0	-0.2	1.47	5	-10	50	-0.5	-2	3.16	-0.5	8	10	9	2.53	-10	-1	0.17	20	0.67	403	-1	0.03	13	700	-2	0.12	-2	2	74	-20
I149230	267.00	268.00	1.00	Sericite-rich zone + tr-1% pyrite	I149230	0.01	0	0	0	0.01	-0.2	1.44	2	-10	40	-0.5	-2	2.6	-0.5	9	12	14	2.56	-10	-1	0.12	20	0.7	363	1	0.03	14	720	-2	0.12	-2	2	68	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358570 N, NAD83	**AZIMUTH:**	220
HOLE NO:	CAR-57-2010	**EASTING:**	451639 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	503m
START DATE:	June 12th 201(	**Line 6+94E; Station 9+25N**		**CORE SIZE:**	NQ
FINISH DATE:	June 17th 2010				

Depth			Rock Type					Structure		ALTERATION					Mineralisation						
										Alteration Intensit				CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.		Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0,00	**14,25**	**14,25**	**OB**																		**Casing/Overburden**
14,25	**110,95**	**96,70**																			**Altered granite**
																					Hematite-carbonate alteration (purple-ish red color). Presence of voids
40,31	40,88																				Aplite dyke (15TCA); hematized.
51,55	51,80																				Pegmatite dyke; 15TCA
61,40	61,41																				Sheared zone; including 1-2% pyrite (stringers); 40TCA
63,46	63,47																				Pyrite stringer; 70TCA
64,10	64,11																				Pyrite stringer; 70TCA
65,27	65,28																				1% pyrite along a micro-fracture (30TCA)
66,09	66,10																				1% pyrite along a micro-fracture (35TCA)
66,36	66,37																				1% pyrite along a micro-fracture (40TCA)
102,00	102,25																				Mafic xenolith; chlorite-rich
110,95	**199,00**	**88,05**																			**Mafic volcanic rock**
																					Massive flow; flow breccia; chlorite-rich
122,00	122,24																				5% pyrite associated with a silica-rich zone (digested xenolith?)
146,94	147,00																				A 5cm-thick carbonate vein (40TCA) including 2-3% pyrite; 1-2% chalcopyrite
147,09	147,15																				A 5cm-thick carbonate vein; 40TCA
147,58	147,62																				A 3cm-thick carbonate vein; 35TCA
147,68	147,74																				A 5cm-thick carbonate vein; 40TCA
164,80	165,05																				Zone with partially digested clasts of sulphide (chalcopyrite-pyrite; 1-2%)
172,50	172,67																				1-2% pyrite as fine stringers + locally tr-1% chalcopyrite
175,73	175,76																				A 3cm-thick carbonate vein; 35TCA; including 1-2% pyrite
175,76	175,90																				Series of fine pyrite stringers at a 1cm interval; 50TCA; 1-2% pyrite
176,96	177,12																				A 3cm-thick carbonate breccia-vein; 15TCA
177,50	177,51																				A 0.5cm-thick pyrite vein (60TCA)
185,00	185,06																				Iron formation xenolith (massive magnetite); tr-1% pyrite
189,00	189,22																				a 11cm-thick massive pyrite vein (±carbonate); 50TCA
189,25	189,40																				Series of pyrite-carbonate veinlets (1cm-thick; 50TCA)
190,08	190,09																				A 1cm-thick pyrite-carbonate vein; 60TCA
190,29	190,38																				A 5cm-thick quartz-carbonate vein (40TCA); including 2-3% pyrite
192,45	192,80																				Iron formation bed or xenolith(?); magnetite-rich; tr-1% pyrite
193,10	193,35																				Iron formation bed or xenolith(?); magnetite-rich; tr-1% pyrite
195,56	195,68																				Iron formation xenolith; magnetite-rich; tr-1% pyrite
196,79	196,85																				Disrupted quartz vein including 1% pyrite
197,43	197,70																				Disrupted syenite dyke; including 1% pyrite
198,26	198,27																				Carbonate-pyrite stringer; 60TCA
199,00	**200,10**	**1,10**																			**Shear zone**
																					Shear: 45TCA. Chlorite-rich. Contacts are gradational.
199,05	199,10																				A 5cm-thick quartz-(carbonate) vein; 50TCA
200,10	**265,10**	**65,00**																			**Mafic volcanic rock**

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358570 N, NAD83	AZIMUTH:	220
HOLE NO:	CAR-57-2010	EASTING:	451639 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	503m
START DATE:	June 12th 201(	Line 6+94E; Station 9+25N		CORE SIZE:	NQ
FINISH DATE:	June 17th 2010				

Depth			Rock Type					Structure		ALTERATION				CODE	Mineralisation: Sulphide			Mineralisation: Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
																				Idem as previous mafic volcanic unit
200,10	200,20																			Granite dyke; carbonate alteration
200,35	200,67																			Weak sheared zone; 55TCA
206,75	207,70																			Syenite dyke (Kspar-rich) intermixed with granite
207,70	208,12																			Granite
208,44	208,65																			Syenite dyke (Kspar-rich) + quartz vein; intermixed with granite
208,90	209,75																			Syenite dyke (sericite-rich); intermixed with granite
210,68	211,15																			Granite; pervasive carbonate alteration
212,02	212,14																			Granite dyke
220,50	220,61																			Disrupted quartz vein; including 1% pyrite
220,63	220,67																			Series of pyrite and quartz-pyrite stringers; 50TCA
224,20	224,34																			Granite dyke; carbonate alteration
224,39	224,74																			Quartz-sericite vein (15TCA); including 1-2% pyrite; tr jasper
225,50	230,00																			Partially broken core
225,66	225,85																			Quartz-ankerite-sericite vein (45TCA); including 1-2% pyrite
226,40	226,55																			Sheared zone; 55TCA
226,85	227,00																			Small syenite dyke
227,10	230,40																			Zone with Kspar-rich vein/alteration (syenite?); ~5-10% of the rock
236,12	236,36																			Down-dip carbonate-epidote pyrite veinlet
249,23	249,24																			Trace of chalcopyrite in small clasts
265,10	**272,85**	**7,75**																		**Altered mafic volcanic rock**
																				Bleaching and/or sericite alteration. Alteration is partial, concentrated along microfractures including tr-1% pyrite. Contacts are gradational
267,76	267,77																			Series of pyrite stringers; 30TCA
267,80	268,18																			A 5cm-thick quartz-(carbonate)-(pyrite)-(chlorite) vein (20TCA); 1-2% pyrite as large blebs (>1cm)
272,85	**433,60**	**160,75**																		**Mafic volcanic rock**
																				Idem as previous mafic volcanic unit
296,45	296,47																			Small aplite dyke/vein (40TCA)
296,54	296,60																			Small aplite dyke/vein (30TCA)
297,76	297,79																			Small aplite dyke/vein (60TCA)
301,70	302,20																			Broken core
310,80	311,12																			Granite dyke + leucoxene along edges
318,30	318,55																			Small syenite dyke (15TCA) + down-dip carbonate-pyrite stringer
328,95	329,45																			Quartz-carbonate-Kspar-sericite vein; locally down-dip
330,09	330,15																			Granite dyke (carbonate alteration); 40TCA
335,10	336,15																			A 1 to 3cm-thick quartz-(carbonate) vein; down-dip.
337,50	337,53																			A 2cm-thick quartz-(carbonate) vein; 25TCA
339,16	339,18																			A 2cm-thick quartz-(carbonate) vein; 25TCA

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358570 N, NAD83	AZIMUTH:	220
HOLE NO:	CAR-57-2010	EASTING:	451639 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	503m
START DATE:	June 12th 201(	Line 6+94E; Station 9+25N		CORE SIZE:	NQ
FINISH DATE:	June 17th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
339,50	339,51																			A 1cm-thick quartz vein; 25TCA
358,46	358,56																			Pegmatite/granite dyke; 45TCA
359,85	362,50																			Zone with partial ankerite-hematite alteration (10-20% of the rock), especially along quartz veins (locally tr pyrite)
360,62	360,64																			A 1cm-thick quartz vein; 10TCA
361,93	362,06																			A 5cm-thick quartz vein; 25TCA
362,30	362,41																			Quartz-carbonate vein network with strong ankerite-hematite alteration associated
364,58	364,62																			A 4cm-thick pyrite-carbonate-quartz vein; 55TCA; 10% pyrite
368,34	368,36																			A 2cm-thick semi-massive pyrite vein (+ quartz and carbonate); 70TCA
376,15	377,00																			Series of fine pyrite stringers at a 30cm interval (45TCA); 1% pyrite
397,51	397,54																			A 3cm-thick semi-massive pyrite (+carbonate); 60TCA
398,58	398,60																			A 2cm-thick carbonate-pyrite vein (40TCA); 3-4% pyrite
398,84	398,84																			Pyrite stringer; 50TCA
398,97	398,98																			A 0.5cm-thick pyrite vein (45TCA)
400,00	400,95																			Granite dyke
401,51	401,55																			Quartz-pyrite vein + pyrite stringer (80TCA); 5% pyrite
403,06	403,21																			Series of pyrite stringers at a 5cm interval; 50TCA
404,60	404,75																			Series of fine pyrite stringers at a 2cm interval (50TCA); 2-3% pyrite
405,23	405,25																			A 1cm-thick quartz-pyrite vein (50TCA); 3-4% pyrite
410,13	410,14																			A 1cm-thick pyrite vein; 55TCA
417,98	418,00																			Pyrite-carbonate-quartz vein; 1cm-thick; 40TCA
418,06	418,11																			A 3cm-thick pyrite-quartz-carbonate vein (40TCA); 5% pyrite
420,42	420,44																			A 2cm-thick pyrite-carbonate vein (80TCA); 5% pyrite
425,78	425,79																			Pyrite stringer; 50TCA
430,61	430,65																			Series of two pyrite stringers; 35TCA
431,37	431,98																			Granite dyke
432,96	432,97																			Pyrite stringer; 30TCA
433,60	**449,60**	**16,00**																		**Granite**
																				Pervasive ankerite-sericite alteration (yellowish-beige color); schistosity: 25TCA; locally tr disseminated pyrite
449,60	**462,20**	**12,60**																		**QFP dyke**
																				Sericite alteration (yellowish-beige color); locally tr-1% pyrite
453,76	454,15																			Series of quartz veins; various orientations
455,06	455,07																			Pyrite-carbonate vein (1cm-thick; 30TCA)
456,10	456,10																			Pyrite stringer; 25TCA
458,61	458,62																			Pyrite-carbonate vein (1cm-thick; 35TCA)
459,93	459,94																			A 0.5cm-thick pyrite-carbonate vein; 50TCA
462,20	**503,00**	**40,80**																		**Granite**
																				Pervasive sericite-carbonate-(hematite) alteration; pinkish-grey color
467,30	468,00																			Chlorite alteration (dark grey/black color)

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7 **GeoVector Management Inc.** **GEOLOGICAL LOG**

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358570 N, NAD83	**AZIMUTH:**	220
HOLE NO:	CAR-57-2010	**EASTING:**	451639 E, NAD83	**INCLINATION:**	-50
LOGGED BY:	Eric Hebert	**ELEVATION:**		**FINAL DEPTH:**	503m
START DATE:	June 12th 201(	**Line 6+94E; Station 9+25N**		**CORE SIZE:**	NQ
FINISH DATE:	June 17th 2010				

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensity CODE				Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy
468,65	469,30																		
470,15	471,15																		
471,24	471,24																		
474,10	474,10																		
474,32	474,34																		
478,30	478,31																		
480,35	482,40																		
490,32	490,36																		
499,35	499,70																		
501,20	502,80																		
503,00	**EOH**																		

COMMENTS
Syenite dyke + quartz vein (10TCA); including tr pyrite; 7cm-thick
Series of cm-thick quartz vein; down-dip to 70TCA
Pyrite stringer; 40TCA
Pyrite stringer; 70TCA
A 1.5cm-thick pyrite-quartz vein; 35TCA
A 0.5cm-thick quartz-pyrite vein; 40TCA
Syenite dyke (4cm-thick; down-dip)
Series of pyrite stringers (60TCA)
Series of pyrite stringers and quartz veinlets at a 5 to 10cm interval; 70TCA
Series of pyrite stringers and local quartz veinlets at a 15 to 30cm interval (50 to 60TCA)

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358570 N, NAD83	AZIMUTH:	220.00
HOLE NO:	CAR-57-2010	EASTING:	451639 E, NAD83	INCLINATION:	-50.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	503m
START DATE:	June 12th 2010			CORE SIZE:	NQ
FINISH DATE:	June 17th 2010				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
I149353	60.50	61.10	0.60	Shoulder	I149353	0.02	0	0	0	0.02	-0.2	2.39	5	-10	40	-0.5	-2	5.11	-0.5	13	23	3	3.3	10	1	0.14	20	1.8	619	-1	0.07	26	1120	-2	0.01	-2	5	73	-20
I149354	61.10	62.00	0.90	Local pyrite stringer	I149354	4.76	0	0	0	4.76	0.5	2.74	3	-10	60	-0.5	-2	4.49	-0.5	14	21	2	4.1	10	1	0.21	30	1.95	706	-1	0.05	27	1280	2	0.17	-2	4	60	-20
I149355	62.00	63.00	1.00		I149355	0.03	0	0	0	0.03	-0.2	2.49	8	-10	50	-0.5	-2	3.79	-0.5	14	22	2	3.75	10	1	0.19	30	1.68	585	-1	0.08	24	1130	-2	0.14	-2	5	52	-20
I149356	63.00	63.80	0.80	Local pyrite stringer	I149356	0.08	0	0	0	0.08	-0.2	2.5	3	-10	40	-0.5	-2	3.97	-0.5	15	23	13	3.83	10	-1	0.15	30	1.76	605	-1	0.07	25	1120	-2	0.25	-2	5	53	-20
I149357	63.80	64.30	0.50	Local pyrite stringer	I149357	0.03	0	0	0	0.03	-0.2	2.68	17	-10	40	-0.5	2	4.3	-0.5	15	26	10	4.18	10	-1	0.18	30	1.87	655	-1	0.07	27	1250	-2	0.38	-2	5	57	-20
I149358	64.30	65.00	0.70		I149358	0.01	0	0	0	0.01	-0.2	2.46	7	-10	40	-0.5	2	4.78	-0.5	12	22	4	3.69	10	-1	0.16	30	1.65	622	-1	0.06	23	1130	-2	0.12	-2	5	67	-20
I149359	65.00	65.50	0.50	1% pyrite along microfractures	I149359	-0.01	0	0	0	0	-0.2	2.43	5	-10	40	-0.5	3	3.69	-0.5	13	23	11	3.66	10	1	0.14	40	1.75	600	1	0.06	26	1150	-2	0.18	-2	5	55	-20
I149360	65.50	66.50	1.00	1% pyrite along microfractures	I149360	0.15	0	0	0	0.15	-0.2	2.71	6	-10	50	-0.5	19	2.95	-0.5	14	24	7	3.93	10	-1	0.18	30	1.98	626	1	0.06	28	1260	-2	0.19	-2	5	42	-20
I149361	66.50	67.00	0.50	Shoulder	I149361	0.02	0	0	0	0.02	-0.2	2.65	-2	-10	90	-0.5	-2	4.73	-0.5	17	25	-1	3.15	10	-1	0.13	30	2.23	704	-1	0.07	27	1260	-2	0.01	-2	6	69	-20
I149362	101.00	102.00	1.00	Shoulder	I149362	-0.01	0	0	0	0	-0.2	2.69	-2	-10	30	-0.5	-2	2.22	-0.5	21	30	-1	4.3	10	1	0.09	30	2.14	796	-1	0.07	38	1290	-2	0.01	-2	6	37	-20
I149363	102.00	102.50	0.50	Mafic xenolith	I149363	-0.01	0	0	0	0	-0.2	2.42	4	-10	20	-0.5	-2	2.92	-0.5	25	144	-1	3.73	10	1	0.09	20	1.78	765	-1	0.09	104	760	-2	0.01	-2	9	26	-20
I149364	102.50	103.50	1.00	Shoulder	I149364	-0.01	0	0	0	0	-0.2	1.66	-2	-10	10	-0.5	-2	3.15	-0.5	10	27	-1	2.98	10	-1	0.07	10	1.22	551	-1	0.1	30	1240	-2	0.01	-2	6	20	-20
I149365	121.00	122.00	1.00	Shoulder	I149365	-0.01	0	0	0	0	-0.2	2.66	14	-10	10	-0.5	-2	0.84	-0.5	55	205	137	5.23	-10	2	0.05	-10	1.15	1060	-1	0.05	197	230	-2	0.31	-2	6	16	-20
I149366	122.00	122.50	0.50	5% pyrite	I149366	0.01	0	0	0	0.01	-0.2	3.24	9	-10	10	-0.5	-2	1.37	-0.5	75	168	286	7.54	-10	-1	0.02	-10	1.51	1315	-1	0.03	225	150	-2	1.24	-2	10	17	-20
I149367	122.50	123.25	0.75	Shoulder	I149367	0.04	0	0	0	0.04	0.2	3.32	14	-10	-10	-0.5	84	1.68	-0.5	69	144	280	6.5	-10	2	0.01	-10	1.76	1305	-1	0.04	162	470	6	0.53	-2	6	19	-20
I149368	146.00	146.80	0.80	Shoulder	I149368	0.01	0	0	0	0.01	-0.2	3.52	19	-10	-10	-0.5	-2	1.4	-0.5	52	281	66	7.28	-10	1	0.03	-10	1.29	1605	-1	0.04	219	330	-2	0.22	-2	7	24	-20
I149369	146.80	147.30	0.50	Carbonate vein + pyrite and chalcopyrite	I149369	3.62	0	0	0	3.62	2	2.68	8	-10	30	-0.5	-2	10.3	1	25	117	367	6.35	-10	1	0.24	-10	1.02	2590	-1	0.02	111	250	17	1.97	-2	8	38	-20
I149370	147.30	148.00	0.70	Shoulder	I149370	0.40	0	0	0	0.4	0.2	2.56	11	-10	40	-0.5	-2	8.1	-0.5	33	163	116	4.99	-10	1	0.27	-10	0.97	2080	-1	0.04	146	290	-2	0.85	-2	6	33	-20
I149371	164.00	164.70	0.70	Shoulder	I149371	0.01	0	0	0	0.01	-0.2	3.16	16	-10	20	-0.5	-2	0.89	-0.5	72	210	89	5.65	-10	2	0.12	-10	1.53	1060	-1	0.05	217	300	-2	0.13	-2	5	16	-20
I149372	164.70	165.20	0.50	Pyrite-chalcopyrite clasts (partially digested)	I149372	0.01	0	0	0	0.01	-0.2	3.08	18	-10	10	-0.5	-2	0.87	-0.5	85	178	400	5.59	-10	1	0.03	-10	1.49	1020	-1	0.03	219	150	-2	0.23	-2	5	17	-20
I149373	165.20	166.00	0.80	Shoulder	I149373	-0.01	0	0	0	0	-0.2	2.73	9	-10	10	-0.5	-2	0.78	-0.5	61	179	82	4.77	-10	1	0.06	-10	1.24	864	-1	0.04	177	170	-2	0.1	-2	6	17	-20
I149374	166.00	166.00	0.00	Blank	I149374	-0.01	0	0	0	0	-0.2	1.98	-2	-10	20	-0.5	-2	0.44	-0.5	12	23	1	3.85	10	-1	0.07	30	2	409	-1	0.08	24	1010	-2	0.01	-2	6	15	-20
I149375	166.00	166.00	0.00	Standard-L																																			
I149376	171.50	172.30	0.80	Shoulder	I149376	-0.01	0	0	0	0	-0.2	2.84	18	-10	20	-0.5	-2	1.02	-0.5	58	228	147	5.53	10	-1	0.06	-10	1.31	989	-1	0.05	173	270	-2	0.31	-2	5	19	-20
I149377	172.30	172.80	0.50	Fine pyrite stringers; tr chalcopyrite	I149377	0.01	0	0	0	0.01	0.3	2.58	11	-10	20	-0.5	-2	0.87	-0.5	70	246	583	5.84	10	-1	0.08	-10	1.23	989	-1	0.06	195	240	3	0.88	-2	6	14	-20
I149378	172.80	173.50	0.70	Shoulder	I149378	-0.01	0	0	0	0	-0.2	2.62	27	-10	20	-0.5	-2	0.89	-0.5	65	242	132	5.21	10	-1	0.08	-10	1.25	994	1	0.06	193	250	-2	0.2	-2	6	18	-20
I149379	174.60	175.60	1.00	Shoulder	I149379	-0.01	0	0	0	0	-0.2	2.87	28	-10	20	-0.5	-2	1.43	-0.5	62	210	135	5.64	10	-1	0.1	-10	1.29	1020	-1	0.04	192	230	-2	0.22	2	5	22	-20
I149380	175.60	176.10	0.50	Carbonate-pyrite vein + pyrite stringer	I149380	0.01	0	0	0	0.01	0.9	2.59	19	-10	40	-0.5	2	2.68	-0.5	55	193	211	6.08	10	-1	0.2	-10	1.15	1005	-1	0.05	162	260	2	1.46	-2	6	12	-20
I149381	176.10	176.85	0.75	Shoulder	I149381	-0.01	0	0	0	0	-0.2	2.65	61	-10	30	-0.5	-2	0.75	-0.5	66	197	107	5.07	10	-1	0.15	-10	1.17	953	-1	0.05	197	230	-2	0.15	-2	6	18	-20
I149382	176.85	177.55	0.70	Local pyrite veinlet	I149382	0.02	0	0	0	0.02	0.2	2.91	24	-10	20	-0.5	-2	4.4	-0.5	70	188	121	6	10	-1	0.12	-10	1.39	1090	-1	0.05	166	100	2	0.66	-2	10	14	-20
I149383	177.55	178.50	0.95	Shoulder	I149383	0.01	0	0	0	0.01	0.2	3.37	27	-10	10	-0.5	-2	0.97	-0.5	59	189	165	6.97	10	1	0.04	-10	1.62	1200	-1	0.03	179	160	-2	0.31	-2	7	16	-20
I149384	187.25	188.00	0.75	Shoulder	I149384	0.01	0	0	0	0.01	0.3	3.81	67	-10	-10	-0.5	-2	0.95	-0.5	69	265	210	8.08	10	-1	0.01	-10	1.69	1725	-1	0.03	201	150	-2	0.31	-2	6	20	-20
I149385	188.00	188.90	0.90	Shoulder	I149385	0.01	0	0	0	0.01	0.2	3.74	64	-10	10	-0.5	-2	1.13	-0.5	58	227	146	8.21	10	-1	0.06	-10	1.56	1670	-1	0.03	175	200	-2	0.3	-2	7	20	-20
I149386	188.90	189.40	0.50	Massive pyrite vein (11cm-thick)	I149386	>10.00	0	89.5	0	89.5	40	2.32	688	-10	30	-0.5	320	2.81	1	109	87	647	18.9	10	-1	0.21	-10	0.83	995	-1	0.02	118	150	17	>10.00	-2	6	9	-20
I149387	189.40	190.00	0.60	Shoulder	I149387	0.60	0	0	0	0.6	0.2	3.01	50	-10	20	-0.5	3	2.11	-0.5	39	252	104	6.5	10	-1	0.13	-10	1.51	1290	-1	0.06	155	270	-2	0.67	-2	9	11	-20
I149388	190.00	190.50	0.50	Quartz-carbonate vein; including 2-3% pyrite	I149388	0.17	0	0	0	0.17	0.3	3.06	38	-10	20	-0.5	-2	2.22	-0.5	40	238	136	6.81	10	-1	0.11	-10	1.47	1345	-1	0.05	184	230	-2	0.91	-2	7	16	-20
I149389	190.50	191.45	0.95	Shoulder	I149389	0.02	0	0	0	0.02	0.2	3.29	17	-10	10	-0.5	-2	1.54	-0.5	45	163	178	11.1	10	-1	0.03	-10	1.55	1525	-1	0.02	138	260	2	0.71	-2	7	19	-20
I149390	195.80	196.50	0.70	Shoulder	I149390	0.01	0	0	0	0.01	0.2	3.04	60	-10	20	-0.5	-2	1.04	-0.5	59	244	147	6.26	10	-1	0.07	-10	1.27	1270	-1	0.06	192	250	-2	0.16	-2	9	40	-20
I149391	196.50	197.00	0.50		I149391	0.01	0	0	0	0.01	-0.2	3.8	36	-10	10	-0.5	-2	1.08	-0.5	63	186	131	9	10	-1	0.02	-10	1.62	1660	-1	0.03	130	310	-2	0.72	-2	8	48	-20
I149392	197.00	198.00	1.00		I149392	0.01	0	0	0	0.01	-0.2	2.04	16	-10	30	-0.5	-2	2.03	-0.5	18	64	91	4.28	10	-1	0.1	-10	0.87	810	-1	0.07	41	450	-2	0.38	-2	6	43	-20
I149393	198.00	199.00	1.00		I149393	0.01	0	0	0	0.01	0.4	4.23	31	-10	20	0.5	-2	7.2	-0.5	33	520	32	6.08	10	-1	0.06	20	4.06	1400	-1	0.03	101	2060	-2	0.21	-2	21	97	-20
I149394	199.00	200.10	1.10	Sheared zone	I149394	-0.01	0	0	0	0	-0.2	4.47	33	-10	-10	0.5	-2	7.8	-0.5	37	810	14	5.33	10	-1	0.01	20	5.24	1360	-1	0.02	147	1960	-2	0.01	-2	19	107	-20
I149395	200.10	201.00	0.90		I149395	0.01	0	0	0	0.01	-0.2	4.83	7	-10	20	0.5	-2	5.36	-0.5	34	669	41	6.48	10	-1	0.05	20	4.87	1345	-1	0.03	124	1880	-2	0.35	-2	19	74	-20
I149396	201.00	202.00	1.00	Shoulder	I149396	-0.01	0	0	0	0	-0.2	3.05	2	-10	40	-0.5	-2	2.8	-0.5	22	79	57	9.6	10	-1	0.15	-10	1.57	1240	-1	0.03	49	510	-2	0.15	-2	8	68	-20
I149397	206.00	206.75	0.75	Shoulder	I149397	0.01	0	0	0	0.01	-0.2	2.21	8	-10	50	-0.5	-2	1.07	-0.5	21	56	40	4.31	-10	1	0.16	10	1.2	734	-1	0.04	45	550	-2	0.11	-2	2	41	-20
I149398	206.75	207.70	0.95	Syenite + granite	I149398	-0.01	0	0	0	0	-0.2	0.72	4	-10	30	-0.5	-2	1.24	-0.5	5	14	23	1.24	-10	-1	0.09	30	0.31	240	1	0.06	10	230	2	0.02	-2	1	26	-20
I149399	207.70	207.70	0.00	Blank	I149399	-0.01	0	0	0	0	-0.2	2.05	-2	-10	20	-0.5	-2	0.34	-0.5	13	23	1	3.82	10	-1	0.06	20	2.16	419	-1	0.07	21	970	-2	-0.01	-2	5	12	-20
I149400	207.70	207.70	0.00	Standard-H																																			
I149401	207.70	208.65	0.95	Syenite + granite																																			
I149402	208.65	209.75	1.10	Syenite + sericite	I149402	-0.01	0	0	0	0	-0.2	2.07	16	-10	20	-0.5	-2	1.82	-0.5	20	86	28	2.92	-10	-1	0.05	20	1.7	626	-1	0.05	76	160	-2	0.02	-2	3	29	-20
I149403	209.75	210.50	0.75	Shoulder	I149403	0.01	0	0	0	0.01	0.2	2.45	28	-10	20	-0.5	-2	1.97	-0.5	28	105	63	2.92	10	-1	0.07	-10	2.44	594	-1	0.04	111	140	-2	-0.01	-2	4	23	-20
I149404	219.00	220.00	1.00	Shoulder	I149404	0.07	0	0	0	0.07	0.4	4.4	74	-10	20	-0.5	2	4.48	-0.5	33	183	124	5.57	10	-1	0.09	-10	4.18	1015	-1	0.02	162	150	-2	0.52	-2	11	32	-20
I149405	220.00	220.70	0.70	Local pyrite and pyrite-quartz stringers	I149405	0.03	0	0	0	0.03	0.4	3.24	45	-10	20	-0.5	2	2.14	-0.5	38	76	75	6.87	10	-1	0.07	-10	2.03	846	-1	0.04	82	490	-2	1.26	-2	8	29	-20
I149406	220.70	222.00	1.30	Shoulder	I149406	-0.01	0	0	0	0	-0.2	3.39	38	-10	20	-0.5	-2	2.67	-0.5	33	30	78	6.48	10	-1	0.08	10	2	884	-1	0.05	60	720	-2	0.14	-2	10	35	-20
I149407	222.00	223.50	1.50	Shoulder	I149407	-0.01	0	0	0	0	-0.2	4.24	41	-10	10	-0.5	-2	2.85	-0.5	34	72	36	8.47	10	-1	0.06	10	2.11	899	-1	0.04	58	550	-2	0.01	-2	14	45	-20
I149408	223.50	224.20	0.70		I149408	-0.01	0	0	0	0	0.3	3.69	31	-10	30	-0.5	-2	3.17	-0.5	36	62	112	7.76	10	-1	0.11	10	1.78	789	-1	0.03	51	690	-2	0.7	-2	9	49	-20
I149409	224.20	224.80	0.60	Quartz-sericite-pyrite vein	I149409	0.08	0	0	0	0.08	0.2	1.97	31	-10	20	-0.5	-2	5.5	-0.5	23	15	85	6.37	10	-1	0.06	-10	1.86	1475	-1	0.02	22	440	2	0.51	-2	4	113	-20
I149410	224.80	225.50	0.70	Shoulder	I149410	-0.01	0	0	0	0	-0.2	3.92	40	-10	30	-0.5	-2	3.3	-0.5	35	29	83	7.96	10	-1	0.17	-10	1.72	996	-1	0.02	57	530	-2	0.25	-2	9	61	-20
I149411	225.50	226.00	0.50	Quartz-ankerite-sericite-pyrite vein	I149411	0.01	0	0	0	0.01	0.2	3.41	33	-10	20	-0.5	-2	8.4	-0.5	28	10	110	7.2	10	-1	0.14	-10	1.27	1675	-1	0.02	39	600	2	0.19	-2	15	167	-20
I149412	226.00	227.00	1.00		I149412	0.01	0	0	0	0.01	0.2	3.93	35	-10	20	-0.5	-2	5.59	-0.5	32	149	50	8.01	10	-1	0.1	10	2.11	1550	-1	0.03	76	1000	-2	0.1	-2	16	119	-20
I149413	227.00	228.00	1.00		I149413	0.01	0	0	0	0.01	-0.2	2.87	37	-10	30	-0.5	-2	5.71	-0.5	30	8	45	6.33	10	-1	0.16	-10	1.13	1380	-1	0.04	33	590	2	0.06	-2	9	77	-20
I149414	228.00	229.00	1.00		I149414	-0.01	0	0	0	0	-0.2	3.62	33	-10	40	-0.5	-2	5.16	-0.5	27	13	56	7.44	10	-1	0.17	-10	1.36	1305	-1	0.04	31	640	-2	0.11	-2	11	77	-20
I149415	229.00	229.70	0.70		I149415	-0.01	0	0	0	0	-0.2	3.19	27	-10	40	-0.5	-2	5.69	-0.5	21	10	79	6.94	10	-1	0.13	-10	1.24	1480	-1	0.04	23	630	-2	0.16	-2	9	115	-20
I149416	229.70	230.40	0.70		I149416	-0.01	0	0	0	0	-0.2	3.65	24	-10	40	-0.5	-2	4.54	-0.5	25	12	66	8.07	10	1	0.11	-10	1.43	1425	-1	0.04	26	590	-2	0.17	-2	13	82	-20
I149417	230.40	231.00	0.60	Shoulder	I149417	-0.01	0	0	0	0	-0.2	4.06	23	-10	30	-0.5	-2	4.53	-0.5	28	14	76	9.05	10	-1	0.1	-10	1.55	1540	-1	0.04	28	650	-2	0.17	-2	14	78	-20
I149418	235.00	236.00	1.00	Shoulder	I149418	-0.01	0	0	0	0	-0.2	3.9	3	-10	10	-0.5	-2	3.34	-0.5	36	12	79	9.08	10	-1	0.05	-10	2.02	1840	-1	0.05	47	730	-2	0.38	-2	20	61	-20
I149419	236.00	236.65	0.65	Local down-dip carbonate-epidote-pyrite veinlet	I149419	-0.01	0	0	0	0	-0.2	4.1	3	-10	10	-0.5	-2	4.17	-0.5	36	8	90	9.67	10	-1	0.05	10	2.23	2010	-1	0.04	48	580	-2	0.64	-2	18	47	-20
I149420	236.65	237.50	0.85	Shoulder	I149420	0.01	0	0	0	0.01	-0.2	3.35	3	-10	10	-0.5	-2	2.47	-0.5	30	10	121	8.11	10	-1	0.05	10	1.66	1775	-1	0.05	38	600	-2	0.15	-2	14	43	-20
I149421	264.00	265.10	1.10	Shoulder	I149421	0.01	0	0	0	0.01	-0.2	2.24	-2	-10	20	-0.5	-2	3.18	-0.5	9	1	56	4.6	10	-1	0.08	10	0.63	588	-1	0.08	-1	730	-2	0.01	-2	4	40	-20
I149422	265.10	266.00	0.90	Altered mafic volcanic rock	I149422	-0.01	0	0	0	0	-0.2	1.36	-2	-10	20	-0.5	-2	2.91	-0.5	7	1	21	4.25	-10	-1	0.1	10	0.54	605	-1	0.09	-1	690	-2	0.09	-2	3	28	-20
I149423	266.00	267.00	1.00	Altered mafic volcanic rock	I149423	-0.01	0	0	0	0	-0.2	1.06	-2	-10	20	-0.5	-2	3.07	-0.5	6	2	5	4.02	-10	-1	0.09	10	0.51	555	-1	0.11	-1	710	-2	0.09	-2	2	33	-20
I149424	267.00	267.00	0.00	Blank	I149424	-0.01	0	0	0	0	-0.2	2.4	2	-10	20	-0.5	-2	0.41	-0.5	15	25	-1	4.23	10	-1	0.06	20	2.59	505	-1	0.09	22	1050	-2	-0.01	-2	7	13	-20
I149425	267.00	267.00	0.00	Standard-L																																			
I149426	267.00	267.70	0.70	Altered mafic volcanic rock																																			
I149427	267.70	268.20	0.50	Quartz-pyrite-(carbonate)-(chlorite) vein	I149427	0.12	0	0	0	0.12	-0.2	0.68	3	-10	20	-0.5	-2	2.46	-0.5	12	5	51	3.44	-10	-1	0.07	10	0.43	479	-1	0.08	-1	600	-2	0.3	-2	2	31	-20
I149428	268.20	269.00	0.80	Altered mafic volcanic rock	I149428	-0.01	0	0	0	0	-0.2	1.09	2	-10	20	-0.5	-2	2.54	-0.5	6	3	21	3.98	-10	-1	0.08	10	0.46	511	-1	0.1	-1	720	-2	0.12	-2	2	27	-20
I149429	269.00	270.00	1.00	Altered mafic volcanic rock	I149429	-0.01	0	0	0	0	-0.2	0.93	-2	-10	20	-0.5	-2	2.55	-0.5	6	2	5	3.73	-10	-1	0.07	10	0.46	569	-1	0.09	-1	790	-2	0.12	-2	2	23	-20
I149430	270.00	271.00	1.00	Altered mafic volcanic rock	I149430	-0.01	0	0	0	0	-0.2	1.04	-2	-10	20	-0.5	-2	2.86	-0.5	6	2	3	4.14	-10	-1	0.07	10	0.52	623	-1	0.08	-1	670	-2	0.13	-2	2	23	-20
I149431	271.00	272.00	1.00	Altered mafic volcanic rock	I149431	-0.01	0	0	0	0	-0.2	1.16	-2	-10	20	-0.5	-2	2.68	-0.5	6	2	6	4.08	-10	-1	0.09	10	0.49	544	-1	0.11	-1	750	-2	0.1	-2	2	23	-20
I149432	272.00	272.85	0.85	Altered mafic volcanic rock	I149432	-0.01	0	0	0	0	-0.2	1.13	-2	-10	20	-0.5	-2	3.11	-0.5	7	2	-1	4.23	-10	-1	0.09	10	0.52	613	-1	0.09	-1	740	-2	0.11	-2	2	28	-20
I149433	272.85	274.00	1.15	Shoulder	I149433	-0.01	0	0	0	0	-0.2	1.43	-2	-10	30	-0.5	-2	2.67	-0.5	6	2	-1	3.97	-10	-1	0.09	20	0.47	571	-1	0.09	-1	770	-2	0.01	-2	3	29	-20
I149434	317.50	318.20	0.70	Shoulder	I149434	-0.01	0	0	0	0	-0.2	2.25	-2	-10	20	-0.5	-2	1.09	-0.5	13	2	-1	4.59	10	-1	0.05	10	1	666	-1	0.08	-1	1040	-2	0.02	-2	3	32	-20
I149435	318.20	318.70	0.50	Syenite dyke + down-dip carbonate pyrite stringer	I149435	-0.01	0	0	0	0	-0.2	1.93	3	-10	20	-0.5	-2	1.01	-0.5	11	2	10	3.87	10	-1	0.06	10	0.84	527	-1	0.08	-1	810	-2	0.11	-2	3	27	-20
I149436	318.70	319.50	0.80	Shoulder	I149436	-0.01	0	0	0	0	-0.2	2.09	2	-10	30	-0.5	-2	1.02	-0.5	11	2	-1	3.99	10	-1	0.08	10	0.93	618	-1	0.07	-1	880	-2	-0.01	-2	2	28	-20
I149437	328.00	328.95	0.95	Shoulder	I149437	-0.01	0	0	0	0	-0.2	3.05	3	-10	-10	-0.5	-2	3.37	-0.5	28	164	42	5.46	10	-1	0.01	-10	2.81	930	-1	0.04	38	370	-2	0.14	-2	7	31	-20
I149438	328.95	329.45	0.50	Down-dip quartz-Kspar-carbonate-sericite vein	I149438	0.01	0	0	0	0.01	-0.2	2.76	3	-10	10	-0.5	-2	3.81	-0.5	33	126	138	5.31	10	-1	0.01	-10	2.39	971	-1	0.06	29	310	-2	0.27	-2	7	21	-20
I149439	329.45	330.00	0.55	Shoulder	I149439	-0.01	0	0	0	0	-0.2	3.78	2	-10	-10	-0.5	-2	5.18	-0.5	35	168	105	6.81	10	1	-0.01	-10	3.4	1270	-1	0.03	40	470	-2	0.06	-2	7	38	-20
I149440	334.00	335.10	1.10	Shoulder	I149440	-0.01	0	0	0	0	-0.2	2.39	-2	-10	20	-0.5	-2	2.85	-0.5	12	2	-1	5.06	10	-1	0.12	10	0.82	765	-1	0.06	-1	970	-2	0.01	-2	3	29	-20
I149441	335.10	336.15	1.05	Down-dip quartz-carbonate vein	I149441	-0.01	0	0	0	0	-0.2	2.33	-2	-10	20	-0.5	-2	4.44	-0.5	10	2	3	4.52	10	-1	0.11	10	0.97	882	-1	0.06	-1	690	-2	0.01	-2	3	51	-20
I149442	336.15	337.00	0.85	Shoulder	I149442	0.01	0	0	0	0.01	-0.2	2.27	-2	-10	20	-0.5	-2	3.03	-0.5	11	2	4	4.57	10	-1	0.12	10	0.89	655	-1	0.07	-1	970	-2	0.02	-2	3	32	-20
I149443	359.00	359.85	0.85	Shoulder	I149443	-0.01	0	0	0	0	-0.2	2.3	-2	-10	-10	-0.5	-2	6.69	-0.5	34	103	41	5.86	10	-1	0.02	-10	3.98	1135	-1	0.09	119	410	-2	0.03	-2	16	34	-20
I149444	359.85	360.85	1.00	Ankerite-hematite partial alteration	I149444	-0.01	0	0	0	0	-0.2	1.39	-2	-10	10	-0.5	-2	3.74	-0.5	15	2	18	4.76	-10	-1	0.06	10	1.02	604	-1	0.12	-1	950	-2	0.25	-2	5	33	-20
I149445	360.85	361.65	0.80	Ankerite-hematite partial alteration	I149445	0.01	0	0	0	0.01	-0.2	1.66	-2	-10	10	-0.5	-2	3.74	-0.5	14	1	6	5.5	-10	-1	0.05	10	1.02	665	-1	0.11	-1	830	-2	0.11	-2	6	38	-20
I149446	361.65	362.50	0.85	Ankerite-hematite partial alteration	I149446	-0.01	0	0	0	0	-0.2	1.72	-2	-10	10	-0.5	-2	3.73	-0.5	15	2	10	5.46	-10	-1	0.06	10	1.05	719	-1	0.09	-1	850	-2	0.08	-2	6	47	-20
I149447	362.50	363.50	1.00	Shoulder	I149447	-0.01	0	0	0	0	-0.2	1.96	-2	-10	10	-0.5	-2	4.89	-0.5	23	13	13	7.86	10	-1	0.04	10	1.4	1210	-1	0.08	-1	1070	-2	0.1	-2	16	57	-20
I149448	363.50	364.50	1.00	Shoulder	I149448	0.02	0	0	0	0.02	-0.2	1.89	-2	-10	10	-0.5	-2	5.25	-0.5	31	16	17	8.63	10	-1	0.02	-10	1.88	1375	-1	0.08	2	790	-2	0.1	-2	18	57	-20
I149449	364.50	364.50	0.00	Blank	I149449	-0.01	0	0	0	0	-0.2	2.3	-2	-10	20	-0.5	-2	0.36	-0.5	14	23	4	3.83	10	-1	0.05	20	2.55	457	-1	0.07	24	1010	4	0.01	-2	6	11	-20

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358497 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-58-2010	EASTING:	451720 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	332m
START DATE:		Line 7+79E; Station 8+57N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0.00	**11.00**	**11.00**	**OB**																	**Casing/Overburden; casing at 27m**
11.00	**143.70**	**132.70**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Presence of calcite veinlets (more or less hematite) occur.
28.85	29.50																			Carbonate alteration zone (Ankerite-calcite); giving the rock a grey color
47.85	48.04																			Calcite-goethite stringers + carbonate alteration associated
60.03	60.58																			Pervasive carbonate alteration associated with local calcite tension gashes
70.71	72.82																			Mafic volcanic xenoliths (flow breccia) with magnetite in matrix (strongly magnetic). 2-3% disseminated pyrite (euhedral grains)
73.47	74.43																			Mafic volcanic xenoliths (flow breccia) with magnetite in matrix (strongly magnetic). 2-3% disseminated pyrite (euhedral grains)
105.00	114.30																			Pervasive carbonate-silica alteration zone (dark grey color) with local hematization and local pyrite (1% disseminated pyrite)
117.00	126.30																			Pervasive hematite-silica alteration zone (greyish-orange color). Locally partially broken core (fault zone? Or weak shear); included several calcite tension gashes/veinlets
121.30	122.00																			Partially broken core; calcite tension gashes (down-dip)
122.65	123.00																			Partially broken core; calcite tension gashes (down-dip)
129.00	132.65																			Hematite-silica alteration zone (light orange-red color)
131.28	131.31																			Quartz vein; 35TCA
134.05	134.85																			Hematite-calcite alteration zone; reddish color
137.20	138.12																			Hematite-calcite alteration zone; reddish color
143.70	**208.20**	**64.50**																		**Altered Granite**
																				Pervasive hematite-calcite alteration; red-purple color. Specularite hematite locally occur; presence of voids (dissolution)
144.80	144.84																			A 2cm-thick quartz vein; 20TCA
150.56	151.44																			Syenite dyke/pegmatite
185.65	185.84																			Mafic xenolith or chlorite-rich vein/dyke(?). Core partially broken
189.13	189.17																			Small shear zone with jasper/hematite is associated
189.82	189.83																			Pyrite stringer; 5mm-thick; 65TCA
190.45	190.46																			Pyrite stringer; 5mm-thick; 60TCA
190.81	190.82																			Pyrite stringer; 5mm-thick; 45TCA
198.66	198.77																			Kspar-rich pegmatite
201.98	202.05																			Semi-massive pyrite vein; 45TCA
202.20	202.51																			10% pyrite as aggregates along carbonate tension gashes/breccia veins
208.20	**332.00**	**123.80**																		**Mafic volcanic rock**
																				Chlorite-rich; not magnetic. Massive flow; locally breccia flow. Locally 1% disseminated pyrite
208.20	209.80																			Contact zone; altered granite dykes; intermixed with mafic volcanic (as xenoliths)
215.25	217.10																			Altered granite (hematite) dyke containing locally >50% mafic xenoliths. Downhole contact is gradational (digested margin)
215.89	215.90																			Small pyrite stringer; 30TCA
218.30	218.70																			1% disseminated pyrite grains
219.29	219.30																			Pyrite-(carbonate) stringer; 50TCA
219.64	219.65																			Pyrite-carbonate stringer; 50TCA
220.82	220.83																			Small pyrite stringer; 60TCA
221.23	221.24																			A 0.5cm-thick carbonate-pyrite veinlet; 55TCA
222.36	222.37																			Pyrite veinlet; 80TCA
222.60	222.90																			Weak shear zone; carbonate alteration along shear plans; 70TCA
224.95	225.10																			A 4cm-thick quartz vein; 25TCA. Weak ankerite(?) alteration associated
228.82	228.83																			A pyrite veinlet + hematite alteration along edges; 30TCA
231.84	232.30																			Broken core
233.75	244.55																			Hematite alteration zone; giving the rock a reddish color

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358497 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-58-2010	EASTING:	451720 E, NAD83	INCLINATION:	-50
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	332m
START DATE:		Line 7+79E; Station 8+57N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
240.09	240.11	a 2cm-thick pyrite vein; 80TCA
248.38	248.45	Massive pyrite vein; partially broken core (tr jasper and quartz)
249.93	249.93	Thin pyrite stringer; 50TCA
251.21	251.21	Thin pyrite stringer; 50TCA
251.36	251.36	Thin pyrite stringer; 50TCA. Ankerite alteration along the edges
252.15	252.35	Series of pyrite veins + pyrite-quartz vein. Ankerite alteration associated. 50-60 TCA
252.39	252.67	Series of pyrite stringers. No significant alteration associated. 60TCA
253.16	253.24	Series of pyrite stringers and veinlets + ankerite alteration associated
254.46	254.49	A 2cm-thick pyrite-(quartz) vein; 45TCA
255.80	255.90	Quartz-carbonate-pyrite vein/breccia vein; 70TCA
255.90	256.12	Series of pyrite-carbonate stringers + ankerite alteration associated
256.29	256.35	A 3cm-thick quartz-pyrite-(carbonate) vein + ankerite alteration along edges; 10% pyrite; 45TCA
256.85	256.88	A 2cm-thick pyrite-carbonate vein; 45TCA
258.87	258.87	Pyrite stringer; 75TCA
260.78	260.81	A 2cm-thick pyrite-carbonate-chlorite vein; hematite-ankerite alteration along edges
261.40	261.45	Quartz-carbonate-chlorite breccia vein; 30TCA
261.50	261.75	Quartz-carbonate-pyrite-(chlorite) breccia vein (5% pyrite; 40TCA)
261.82	261.83	Pyrite-(chlorite) veinlet; 45TCA
262.01	262.01	Pyrite veinlet; 75TCA
263.02	263.02	Pyrite stringer; 60TCA
266.96	267.45	Series of pyrite-carbonate stringers at a 5 to 15cm interval; 60TCA. Weak ankerite alteration associated
274.32	274.66	Series of quartz-(pyrite) stringers (at a 2-3cm interval); 50-60TCA
275.45	275.48	Calcite-quartz vein; 50TCA
277.02	281.99	Fine-grained mafic volcanic rock (chlorite-rich); pillow lava?
285.82	285.95	Series of five pyrite stringers (50TCA) + weak ankerite alteration associated
286.50	286.51	Pyrite-carbonate stringer; weak ankerite alteration along the edges; 45TCA
287.13	287.18	Quartz vein + pyrite stringers with ankerite alteration associated; 60TCA
290.25	290.26	Pyrite stringer; 50TCA
295.00	295.06	Quartz-(chlorite) vein; 60TCA
296.51	296.60	Series of pyrite-carbonate stringers + weak ankerite alteration associated
300.69	300.90	Series of pyrite stringers + weak ankerite alteration associated
303.62	303.64	Quartz-chlorite breccia vein; 30TCA
305.25	305.75	Broken core (seems to be due to broken rods)
314.65	314.69	A 3cm-thick quartz vein; 30TCA
322.62	322.70	small pegmatite dyke (Quartz-Kspar)
323.57	323.94	Granite dyke
325.14	325.27	Kspar-quartz pegmatite dyke
326.19	326.27	Kspar-quartz pegmatite dyke
329.00	329.37	Granite dyke
332.00	**332.00**	**EOH**

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358497 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-58-2010	**EASTING:**	451720 E, NAD83	**INCLINATION:**	-50.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	332m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Assay Results

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	SAMPLE_	AU_G/TFA	AU_G/TF/	AU_G/TGI	AU_G/TN	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM
J509836	70.00	70.71	0.71	Shoulder	J509836	-0.01	0	0	0	0	-0.2	1.27	-2	80	-2	1.09	-0.5
J509837	70.71	71.75	1.04	Mafic xenolith; 2-3% PY	J509837	-0.01	0	0	0	0	0.2	3.05	4	90	-2	1.02	-0.5
J509838	71.75	72.82	1.07	Mafic xenolith; 2-3% PY	J509838	-0.01	0	0	0	0	0.3	2.35	3	60	-2	1.08	-0.5
J509839	72.82	73.47	0.65	Shoulder	J509839	-0.01	0	0	0	0	-0.2	1.18	15	50	-2	1.57	2.1
J509840	73.47	74.43	0.96	Mafic xenolith; 2-3% PY	J509840	0.01	0	0	0	0.01	0.5	3.53	37	90	-2	2.51	-0.5
J509841	74.43	75.50	1.07	Shoulder	J509841	-0.01	0	0	0	0	-0.2	1.36	-2	50	-2	1.18	-0.5
J509842	105.00	106.00	1.00	1% disseminated pyrite	J509842	-0.01	0	0	0	0	-0.2	1.1	-2	40	-2	2.81	-0.5
J509843	106.00	107.00	1.00	1% disseminated pyrite	J509843	-0.01	0	0	0	0	-0.2	0.93	-2	30	-2	2.54	-0.5
J509844	107.00	108.00	1.00	1% disseminated pyrite	J509844	-0.01	0	0	0	0	0.2	1.12	2	30	-2	3.08	-0.5
J509845	108.00	109.00	1.00	1% disseminated pyrite	J509845	0.01	0	0	0	0.01	0.2	0.97	15	20	-2	3.09	-0.5
J509846	109.00	110.00	1.00	1% disseminated pyrite	J509846	0.01	0	0	0	0.01	0.2	1.38	4	20	-2	4.13	-0.5
J509847	121.00	122.00	1.00	Pervasive hematite-silica-calcite alteration. Fault zone?	J509847	0.01	0	0	0	0.01	-0.2	1.86	5	40	-2	2.8	-0.5
J509848	122.00	123.00	1.00	Pervasive hematite-silica-calcite alteration. Fault zone?	J509848	0.01	0	0	0	0.01	-0.2	1.63	7	30	-2	1.86	-0.5
J509849	122.00	122.00	0.00	Blank CAR-38-2010, B. 30, 123.50 - 124.00													
J509850	122.00	122.00	0.00	Standard-H													
J509851	150.56	151.44	0.88	Syenite dyke/pegmatite	J509851	-0.01	0	0	0	0	-0.2	0.9	-2	10	-2	0.9	-0.5
J509852	188.00	189.05	1.05	Shoulder	J509852	-0.01	0	0	0	0	-0.2	2.1	-2	30	-2	8.8	-0.5
J509853	189.05	189.90	0.85	Local pyrite stringers	J509853	0.87	0	0	0	0.87	0.2	2.5	17	40	-2	5	-0.5
J509854	189.90	190.90	1.00	Local pyrite stringers	J509854	0.16	0	0	0	0.16	-0.2	2.3	9	40	-2	2.7	-0.5
J509855	190.90	191.50	0.60	Shoulder	J509855	0.02	0	0	0	0.02	-0.2	2.3	-2	40	-2	4.4	-0.5
J509856	201.00	201.95	0.95	Shoulder	J509856	0.06	0	0	0	0.06	-0.2	2.1	-2	30	-2	8.4	-0.5
J509857	201.95	202.55	0.60	10% pyrite	J509857	2.81	0	0	0	2.81	1.9	1.7	200	50	5	8.6	-0.5
J509858	202.55	203.25	0.70	Shoulder	J509858	0.01	0	0	0	0.01	-0.2	2.2	-2	40	-2	7.1	-0.5
J509859	207.20	208.20	1.00	Shoulder	J509859	0.01	0	0	0	0.01	-0.2	2.6	-2	30	-2	6.3	-0.5
J509860	208.20	209.00	0.80	Contact zone	J509860	-0.01	0	0	0	0	-0.2	4.5	-2	20	-2	2.9	-0.5
J509861	209.00	209.80	0.80	Contact zone	J509861	0.01	0	0	0	0.01	0.2	4	3	20	-2	2.5	-0.5
J509862	209.80	210.80	1.00	Mafic volcanic rock	J509862	0.01	0	0	0	0.01	0.2	3.9	8	20	-2	2.3	-0.5
J509863	210.80	211.80	1.00	Mafic volcanic rock	J509863	0.01	0	0	0	0.01	-0.2	2.9	43	30	-2	1.7	-0.5
J509864	211.80	212.80	1.00	Shoulder	J509864	-0.01	0	0	0	0	-0.2	4.9	27	10	-2	1.6	-0.5
J509865	215.25	216.15	0.90	Granite dyke; tr pyrite	J509865	0.01	0	0	0	0.01	-0.2	1.8	9	30	-2	6.6	-0.5
J509866	216.15	217.10	0.95	Granite dyke	J509866	0.01	0	0	0	0.01	-0.2	2.8	9	20	-2	3.8	-0.5
J509867	217.10	218.00	0.90	Shoulder	J509867	-0.01	0	0	0	0	-0.2	3.4	13	20	-2	1.7	-0.5
J509868	218.00	219.00	1.00	Locally 1% pyrite	J509868	0.01	0	0	0	0.01	-0.2	4.1	20	20	-2	4.5	-0.5
J509869	219.00	219.80	0.80	Pyrite stringer	J509869	0.03	0	0	0	0.03	0.2	3.7	41	30	-2	4.2	-0.5
J509870	219.80	220.50	0.70	Shoulder	J509870	0.01	0	0	0	0.01	-0.2	1.7	19	30	-2	4.7	-0.5
J509871	220.50	221.50	1.00	Series of small pyrite stringers	J509871	0.64	0	0	0	0.64	-0.2	4.1	42	20	-2	4.3	-0.5
J509872	221.50	222.25	0.75	Shoulder	J509872	0.02	0	0	0	0.02	-0.2	2.4	23	30	-2	3.7	-0.5
J509873	222.25	223.00	0.75	Shear zone; Pyrite stringers	J509873	0.72	0	0	0	0.72	-0.2	5.9	27	10	3	8.3	-0.5
J509874	222.25	222.25	0.00	Blank CAR-38-2010, B. 30, 124.00 - 124.50													
J509875	222.25	222.25	0.00	Standard-L													
J509876	223.00	224.00	1.00		J509876	0.02	0	0	0	0.02	0.2	4.9	7	-10	-2	9.3	-0.5
J509877	224.00	224.75	0.75		J509877	0.01	0	0	0	0.01	-0.2	4.7	5	10	-2	9.3	-0.5
J509878	224.75	225.25	0.50	Quartz vein + ankerite alteration	J509878	0.01	0	0	0	0.01	0.2	2.5	4	10	-2	3.8	-0.5
J509879	228.30	229.00	0.70	Local pyrite stringers	J509879	-0.01	0	0	0	0	-0.2	2.4	14	30	-2	2.1	-0.5
J509880	239.45	240.00	0.55	Shoulder	J509880	-0.01	0	0	0	0	-0.2	2.8	4	10	-2	2.4	-0.5
J509881	240.00	240.50	0.50	A 2cm-thick pyrite vein	J509881	1.34	0	0	0	1.34	0.2	3	37	10	-2	3.2	-0.5
J509882	240.50	241.25	0.75	shoulder	J509882	-0.01	0	0	0	0	-0.2	4	5	20	10	2.7	-0.5
J509883	246.50	247.50	1.00	shoulder	J509883	0.01	0	0	0	0.01	0.5	3.6	8	10	6	5.1	-0.5
J509884	247.50	248.25	0.75	shoulder	J509884	0.01	0	0	0	0.01	-0.2	5.1	12	-10	2	5.6	-0.5
J509885	248.25	248.75	0.50	massive py on 7cm	J509885	>10.00	0	15.4	0	15.4	3.6	3.3	403	20	8	1.9	-0.5
J509886	248.75	249.50	0.75	shoulder	J509886	0.01	0	0	0	0.01	-0.2	2.3	5	20	-2	2.7	-0.5
J509887	249.50	250.50	1.00	local py stringers	J509887	0.01	0	0	0	0.01	-0.2	2.3	3	30	-2	2.5	-0.5
J509888	250.50	251.25	0.75	local py stringers	J509888	-0.01	0	0	0	0	-0.2	2	10	30	-2	3.7	-0.5
J509889	251.25	252.00	0.75	local py stringers	J509889	0.01	0	0	0	0.01	-0.2	1.8	19	30	-2	2.3	-0.5
J509890	252.00	252.75	0.75	series of py (±quartz) vein + ankerite altered	J509890	>10.00	0	12.7	0	12.65	3.1	1.7	206	30	9	2.2	-0.5
J509891	252.75	253.75	1.00	series of py stringers + ankerite altered	J509891	1.13	0	0	0	1.13	0.5	1.9	42	30	-2	3	-0.5
J509892	253.75	254.60	0.85	local py stringers	J509892	2.58	0	0	0	2.58	0.7	2	69	20	2	2.6	-0.5
J509893	254.60	255.60	1.00	shoulder	J509893	0.02	0	0	0	0.02	-0.2	2.3	7	20	-2	2.6	-0.5
J509894	255.60	256.45	0.85	Series of qtz-py veins	J509894	2.28	0	0	0	2.28	0.9	1.5	118	20	3	4.5	-0.5
J509895	256.45	257.00	0.55	local py vein	J509895	0.03	0	0	0	0.03	0.2	2.1	21	30	-2	2.9	-0.5
J509896	257.00	258.00	1.00	shoulder	J509896	0.01	0	0	0	0.01	-0.2	2.2	4	20	-2	2.7	-0.5
J509897	258.00	259.25	1.25	shoulder	J509897	0.01	0	0	0	0.01	-0.2	2.3	8	20	-2	2.1	-0.5
J509898	259.25	260.35	1.10	shoulder	J509898	0.01	0	0	0	0.01	-0.2	2.1	11	20	-2	2.7	-0.5
J509899	259.25	259.25	0.00	Blank CAR-38-2010, B. 30, 124.5 - 125.00													
J509900	259.25	259.25	0.00	Standard-H													
J509901	260.35	261.25	0.90	local py vein	J509901	0.02	0	0	0	0.02	0.3	1.8	24	30	-2	2.8	-0.5
J509902	261.25	261.75	0.50	qtz-py-carb breccia vein 15% py	J509902	>10.00	0	26.2	0	26.2	3.4	1.4	615	30	-2	4.9	-0.5
J509903	261.75	262.25	0.50	local py stringers	J509903	0.07	0	0	0	0.07	-0.2	2	28	40	-2	3	-0.5
J509904	262.25	263.00	0.75	shoulder	J509904	0.02	0	0	0	0.02	-0.2	2.2	4	30	-2	2.6	-0.5
J509905	263.00	263.50	0.50	local py stringers	J509905	-0.01	0	0	0	0	-0.2	2.2	10	30	-2	1.6	-0.5
J509906	263.50	264.00	0.50	shoulder	J509906	-0.01	0	0	0	0	-0.2	1.8	8	20	-2	1.5	-0.5
J509907	266.20	266.90	0.70	shoulder	J509907	-0.01	0	0	0	0	-0.2	2	4	30	-2	1.2	-0.5
J509908	266.90	267.60	0.70	seams of py stringers	J509908	0.17	0	0	0	0.17	0.2	1.8	35	50	-2	2.4	-0.5
J509909	267.60	268.20	0.60	shoulder	J509909	-0.01	0	0	0	0	-0.2	1.9	3	40	-2	2	-0.5
J509910	273.40	274.30	0.90	shoulder	J509910	-0.01	0	0	0	0	-0.2	1.8	4	40	-2	1.2	-0.5
J509911	274.30	274.80	0.50	seams of qtz-py stringerrs	J509911	0.18	0	0	0	0.18	0.2	1.5	25	20	-2	2.1	-0.5
J509912	274.80	275.60	0.80	shoulder	J509912	0.01	0	0	0	0.01	-0.2	1.9	5	30	-2	2	-0.5
J509913	284.75	285.50	0.75	shoulder	J509913	-0.01	0	0	0	0	-0.2	1.9	-2	20	-2	2.6	-0.5
J509914	285.50	286.00	0.50	py stringers	J509914	0.06	0	0	0	0.06	-0.2	1.8	14	20	-2	2.6	-0.5
J509915	286.00	287.00	1.00	shoulder	J509915	0.02	0	0	0	0.02	-0.2	2.1	3	20	-2	2.8	-0.5
J509916	287.00	287.50	0.50	py stringers	J509916	0.16	0	0	0	0.16	-0.2	2.6	24	10	-2	4.3	-0.5
J509917	287.50	288.00	0.50	shoulder	J509917	0.01	0	0	0	0.01	-0.2	2.4	3	20	-2	2.4	-0.5
J509918	290.00	290.50	0.50	local py stringers	J509918	0.01	0	0	0	0.01	-0.2	1.9	12	20	-2	3.1	-0.5
J509919	294.00	294.75	0.75	shoulder	J509919	0.01	0	0	0	0.01	-0.2	2.1	4	10	-2	2.8	-0.5
J509920	294.75	295.25	0.50	qtz-chlorite vein	J509920	0.02	0	0	0	0.02	-0.2	2.2	-2	10	-2	3	-0.5
J509921	295.25	296.25	1.00	shoulder	J509921	-0.01	0	0	0	0	0.2	1.9	2	10	-2	2.9	-0.5
J509922	296.25	296.75	0.50	py stringers	J509922	0.68	0	0	0	0.68	0.3	1.9	24	20	-2	2.1	-0.5
J509923	296.75	297.50	0.75	shoulder	J509923	0.78	0	0	0	0.78	0.3	2.3	11	10	-2	2.7	-0.5
J509924	296.75	296.75	0.00	Blank CAR-38-2010, B. 30, 125.00 - 125.50													
J509925	296.75	296.75	0.00	Standard-L													
J509926	300.00	300.50	0.50	shoulder	J509926	0.03	0	0	0	0.03	-0.2	2.6	-2	10	-2	3	-0.5
J509927	300.50	301.00	0.50	py stringers	J509927	0.16	0	0	0	0.16	0.3	2.1	12	20	-2	2.8	-0.5
J509928	301.00	301.75	0.75	shoulder	J509928	0.05	0	0	0	0.05	-0.2	1.9	5	10	-2	3.3	-0.5

Sample Number	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
J509836	10	20	14	2.31	0.28	20	0.88	440	-1	0.03	16	800	3	-2	0	37	0.13	-10	-10	35	0	57
J509837	14	5	41	11	0.24	10	1.27	3480	-1	0.02	8	590	12	-2	0	33	0.11	-10	-10	25	0	131
J509838	14	6	36	7.43	0.14	10	1.03	2540	-1	0.02	11	650	8	-2	0	29	0.1	-10	-10	20	0	99
J509839	9	16	11	2.61	0.11	40	0.72	774	1	0.02	13	450	98	-2	0	25	0.12	-10	-10	30	0	145
J509840	28	28	116	10.8	0.22	10	1.38	2800	1	0.02	23	640	40	-2	0	38	0.13	-10	-10	46	0	172
J509841	11	19	16	2.5	0.17	20	0.98	435	-1	0.02	17	860	2	-2	0	39	0.12	-10	-10	41	0	55
J509842	8	14	11	2.23	0.12	30	0.67	385	-1	0.02	13	670	2	-2	0	73	0.05	-10	-10	21	0	45
J509843	7	12	10	1.87	0.1	30	0.57	337	-1	0.02	10	560	-2	-2	0	62	0.04	-10	-10	15	0	31
J509844	10	10	20	2.32	0.12	20	0.67	388	-1	0.02	17	710	-2	-2	0	78	0.02	-10	-10	15	0	29
J509845	21	9	151	2.15	0.11	20	0.6	320	-1	0.02	21	750	-2	-2	0	69	-0.01	-10	-10	20	0	27
J509846	16	14	135	2.72	0.12	30	0.92	449	-1	0.02	29	810	3	-2	0	117	0.01	-10	-10	32	0	47
J509847	21	10	97	3.57	0.14	30	1.43	474	-1	0.01	20	910	-2	-2	0	33	0.07	-10	-10	31	0	54
J509848	18	12	87	3.25	0.13	30	1.26	363	-1	0.02	19	860	-2	-2	0	25	0.06	-10	-10	28	0	46
J509849																						
J509850																						
J509851	5	11	-1	2.5	0	10	0.9	218	-1	0.1	10	440	-2	-2	0	7	0	-10	-10	34	0	19
J509852	13	21	1	3.4	0.1	20	1.6	824	-1	0	18	1000	-2	-2	0	189	0	-10	-10	45	0	61
J509853	13	24	1	4.3	0.2	20	1.9	683	-1	0	23	1190	-2	-2	0	64	0	-10	-10	39	0	68
J509854	11	24	2	4	0.2	20	1.8	554	-1	0	23	1240	-2	-2	0	31	0	-10	-10	35	0	61
J509855	13	23	1	3.7	0.1	10	1.7	597	-1	0	20	1170	-2	-2	0	48	0	-10	-10	45	0	66
J509856	10	22	-1	3.1	0.1	10	1.6	825	-1	0	19	1010	-2	-2	0	131	0	-10	-10	49	0	73
J509857	19	11	25	5.7	0.3	10	1.2	806	1	0	20	1230	9	-2	0	208	0	-10	-10	31	0	50
J509858	13	18	2	3.6	0.1	10	1.6	817	1	0	19	1170	-2	-2	0	130	0	-10	-10	47	0	72
J509859	16	26	-1	4.4	0.1	20	1.8	971	-1	0	24	1040	-2	-2	0	146	0.2	-10	-10	64	0	86
J509860	24	31	2	8.4	0.1	20	2.9	1550	-1	0	27	1040	3	-2	0	55	0.2	-10	-10	100	0	140
J509861	28	103	3	7.7	0.1	20	2.4	1485	-1	0	62	920	2	-2	0	72	0.2	-10	-10	96	0	119
J509862	57	219	4	7.1	0.1	10	2.3	1370	-1	0	184	420	-2	-2	0	50	0.2	-10	-10	160	0	105
J509863	84	236	5	4.9	0.2	-10	1.6	924	-1	0.1	243	290	-2	-2	0	18	0.2	-10	-10	135	0	66
J509864	91	273	29	7.6	0.1	-10	3.6	1410	-1	0	240	270	-2	-2	0	21	0.2	-10	-10	202	0	95
J509865	23	134	3	3.2	0.1	10	1	784	-1	0.1	84	260	-2	-2	0	113	0	-10	-10	65	0	39
J509866	31	308	11	4.8	0.1	20	1.7	981	1	0.1	168	120	-2	-2	0	46	0.1	-10	-10	144	0	62
J509867	45	344	5	6.3	0.1	10	1.9	1225	-1	0.1	200	180	-2	-2	0	14	0.1	-10	-10	140	0	78
J509868	58	256	50	7.8	0.1	10	2.1	1555	-1	0	175	220	-2	-2	0	61	0.1	-10	-10	161	0	92
J509869	44	210	108	7.9	0.2	-10	1.7	1295	-1	0	162	330	2	-2	0	51	0	-10	-10	109	0	76
J509870	15	153	478	3.3	0.2	-10	0.7	764	-1	0	159	250	2	-2	0	38	0.1	-10	-10	51	0	32
J509871	43	262	297	8.6	0.1	-10	1.8	1285	1	0	147	260	3	-2	0	42	0	-10	-10	161	0	91
J509872	19	195	159	4.6	0.3	-10	1	869	1	0	190	230	-2	-2	0	22	0	-10	-10	70	0	48
J509873	42	528	168	9.5	0	10	4.3	1610	-1	0	168	1620	4	-2	0	69	0	-10	-10	270	0	128
J509874																						
J509875																						
J509876	33	694	90	6.2	0	20	4.7	1410	-1	0	122	2750	2	-2	0	130	0	-10	-10	187	0	117
J509877	44	740	20	6.4	0	20	4.4	1490	4	0	135	2010	2	-2	0	93	0	-10	-10	160	0	107
J509878	29	76	69	5	0	10	1.4	693	2	0	38	570	2	-2	0	35	0	-10	-10	128	0	62
J509879	19	13	55	5.3	0.1	10	1	614	2	0	17	770	-2	-2	0	17	0	-10	-10	50	0	60
J509880	24	71	38	6.1	0.1	10	1.3	873	1	0.1	35	660	-2	-2	0	14	0.1	-10	-10	81	0	70
J509881	28	17	30	7.3	0	10	1.2	978	1	0.1	26	840	-2	-2	0	19	0	-10	-10	64	0	76
J509882	30	65	122	8.9	0.1	10	1.6	1275	-1	0.1	47	630	-2	-2	0	16	0.1	-10	-10	140	0	98
J509883	37	173	29	8	0	10	1.4	1360	4	0.1	51	490	-2	-2	0	23	0	-10	-10	214	0	97
J509884	45	236	24	10.9	0	-10	1.9	1715	-1	0	77	370	-2	-2	0	33	0	-10	-10	280	0	153
J509885	48	124	87	11.3	0.1	10	1.6	873	2	0	51	390	3	-2	0	13	0	-10	-10	174	0	105
J509886	7	2	214	4.7	0.1	20	0.9	647	-1	0	1	830	-2	-2	0	20	0	-10	-10	5	0	79
J509887	9	1	19	4.7	0.1	20	0.9	641	-1	0	-1	930	-2	-2	0	23	0	-10	-10	4	0	85
J509888	9	-1	38	4.3	0.1	20	0.7	678	1	0	-1	850	-2	-2	0	37	0	-10	-10	3	0	81
J509889	9	1	70	4.1	0.2	20	0.7	507	-1	0	-1	860	-2	-2	0	23	0	-10	-10	2	0	84
J509890	13	-1	85	6	0.2	20	0.6	485	-1	0	-1	760	3	-2	0	25	0	-10	-10	1	0	99
J509891	11	1	61	4.7	0.2	20	0.7	619	-1	0	-1	770	-2	-2	0	32	0	-10	-10	2	0	77
J509892	11	1	51	5.8	0.1	20	0.7	559	-1	0	-1	710	4	-2	0	22	0	-10	-10	2	0	80
J509893	8	-1	28	4.7	0.1	20	0.8	599	-1	0	-1	800	-2	-2	0	21	0	-10	-10	2	0	85
J509894	12	1	55	4.6	0.1	10	0.5	674	1	0	2	850	-2	-2	0	42	0	-10	-10	2	0	50
J509895	13	1	122	5.1	0.2	20	0.7	658	-1	0	2	920	2	-2	0	22	0	-10	-10	3	0	65
J509896	10	1	8	4.6	0.1	10	0.7	726	-1	0	2	920	-2	-2	0	23	0	-10	-10	5	0	72
J509897	13	1	18	4.9	0.1	10	0.8	708	1	0.1	-1	960	-2	-2	0	27	0.1	-10	-10	5	0	73
J509898	10	1	24	4.5	0.1	10	0.7	682	1	0	1	920	-2	-2	0	22	0	-10	-10	4	0	61
J509899																						
J509900																						
J509901	10	1	37	4	0.1	10	0.7	611	1	0.1	2	950	2	-2	0	20	0	-10	-10	3	0	50
J509902	15	1	140	11.9	0.1	10	0.7	750	-1	0	24	530	2	-2	0	32	0	-10	-10	5	0	44
J509903	12	-1	53	4.5	0.2	10	0.7	672	-1	0	3	1030	2	-2	0	21	0	-10	-10	3	0	61
J509904	12	1	15	4.7	0.1	10	0.8	723	-1	0.1	2	950	3	-2	0	23	0	-10	-10	6	0	64
J509905	13	1	17	4.6	0.1	10	0.8	670	-1	0.1	-1	970	-2	-2	0	22	0.1	-10	-10	5	0	64
J509906	9	2	7	3.5	0.1	10	0.7	572	-1	0.1	2	880	-2	-2	0	23	0.1	-10	-10	6	0	55
J509907	10	1	13	4.1	0.1	10	0.7	607	-1	0.1	-1	860	-2	-2	0	20	0.1	-10	-10	4	0	86
J509908	10	1	58	4	0.3	10	0.6	616	-1	0	-1	940	-2	-2	0	18	0.1	-10	-10	2	0	79
J509909	9	1	9	3.8	0.2	10	0.6	585	-1	0.1	-1	940	-2	-2	0	21	0.1	-10	-10	2	0	73
J509910	11	2	11	3.6	0.2	10	0.6	533	-1	0.1	11	960	-2	-2	0	24	0.1	-10	-10	6	0	68
J509911	13	1	105	4.1	0.1	10	0.5	517	-1	0	4	840	-2	-2	0	13	0	-10	-10	4	0	53
J509912	11	1	23	4	0.1	10	0.7	561	1	0	3	890	-2	-2	0	17	0.1	-10	-10	3	0	72
J509913	8	1	3	3.8	0.1	20	0.7	538	-1	0	-1	760	-2	-2	0	23	0	-10	-10	3	0	70
J509914	10	-1	26	4	0.1	10	0.6	524	-1	0	-1	900	-2	-2	0	22	0	-10	-10	2	0	59
J509915	9	-1	12	4.7	0.1	10	0.8	643	-1	0	-1	900	-2	-2	0	27	0	-10	-10	2	0	73
J509916	13	-1	16	5.9	0.1	10	1.1	879	-1	0	-1	870	-2	-2	0	57	0	-10	-10	4	0	89
J509917	10	-1	12	5	0.1	10	1.2	670	-1	0	-1	860	-2	-2	0	28	0	-10	-10	4	0	86
J509918	9	-1	9	4.1	0.1	10	0.8	788	-1	0	-1	730	-2	-2	0	34	0	-10	-10	3	0	75
J509919	10	-1	5	4.7	0	10	0.8	686	-1	0	-1	980	-2	-2	0	33	0	-10	-10	4	0	83
J509920	11	-1	2	4.9	0.1	10	0.8	675	-1	0.1	-1	1020	-2	-2	0	34	0	-10	-10	4	0	81
J509921	9	1	12	4.3	0	10	0.7	662	-1	0	-1	830	-2	-2	0	28	0	-10	-10	4	0	78
J509922	10	-1	29	4.9	0.1	10	0.7	514	-1	0	-1	930	-2	-2	0	21	0	-10	-10	2	0	65
J509923	12	-1	8	5.3	0.1	10	0.9	658	-1	0.1	-1	1020	-2	-2	0	29	0	-10	-10	5	0	86
J509924																						
J509925																						
J509926	12	-1	4	5.5	0.1	10	1	700	-1	0	-1	940	-2	-2	0	28	0	-10	-10	7	0	106
J509927	13	-1	64	4.9	0.1	10	0.7	603	-1	0	-1	880	5	-2	0	25	0	-10	-10	3	0	82
J509928	11	-1	13	4.3	0.1	10	0.7	656	-1	0	-1	760	-2	-2	0	31	0	-10	-10	4	0	80

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358460 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-59-2010	EASTING:	451704 E, NAD83	INCLINATION:	-60
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	299m
START DATE:		Line 7+67.5E; Station 8+13.3N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0.00	**1.20**	**1.20**	**OB**																	**Casing/Overburden; casing at 27m**
1.20	**160.07**	**158.87**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Including several carbonate veinlets with carbonate alteration along edges
5.23	5.37																			Down-dip quartz vein; 1cm-thick
14.95	15.66																			Carbonate alteration zone (grey color) including carbonate-(chlorite) tension gashes/veinlets
15.85	15.91																			A 3cm-thick quartz vein; 20TCA
17.31	17.36																			A 5cm-thick pegmatite dyke (Kspar-rich); 80TCA
27.36	28.08																			Carbonate alteration zone (grey color) including carbonate-(chlorite veinlets
35.70	36.35																			Weak hematite-silica alteration zone (orange-grey color)
57.80	58.26																			Carbonate alteration zone + carbonate-chlorite-quartz veins
59.00	59.72																			Broken and partially broken core
75.08	75.92																			Pervasive carbonate alteration (grey color) including chlorite veinlets
77.00	77.14																			Late fracturing with goethite-calcite-chlorite associated
94.10	103.55																			Carbonate-(silica) pervasive alteration zone (grey color) including several calcite-(chlorite) tension gashes/veinlets. Locally disseminated pyrite (2-3%)
98.50	102.00																			2-3% disseminated pyrite; locally trace of chalcopyrite and pyrrhotite
105.90	106.05																			Chlorite-rich vein (?); ± goethite-calcite
109.00	109.55																			Down-dip and disrupted quartz-chlorite vein (1cm-thick)
111.60	112.12																			Carbonate-chlorite alteration zone
116.72	117.00																			Series of calcite + goethite filled fractures
121.18	121.65																			Silica-carbonate alteration zone (dark grey color)
122.75	123.20																			A 1cm-thick quartz vein (15TCA) with goethite/hematite alteration along edges
137.63	138.22																			Pegmatite dyke (20TCA); Kspar-rich
144.75	147.72																			Pervasive carbonate-(chlorite) alteration zone (greenish-grey color)
154.18	154.30																			A 4cm-thick quartz vein; 15TCA
160.07	**215.60**	**55.53**																		**Altered granite**
																				Pervasive hematite-carbonate alteration (purple-red color); including voids (due to dissolution?)
184.85	184.97																			Chlorite-rich vein or mafic xenolith(?)
195.25	195.43																			Chlorite-rich fractures; core is partially broken
215.60	**299.00**	**83.40**																		**Mafic volcanic rock**
																				Massive flow and local breccia flow. Carbonate-hematite alteration occurs near the uphole contact. Several mineralization zones occur. Not magnetic; chlorite-rich.
215.60	215.65																			Broken core due to shear; 35TCA
215.65	215.90																			Series of pyrite stringers-(±carbonate); at a 10cm interval; 45TCA
215.90	216.02																			Massive pyrite vein; 50TCA
216.02	216.65																			Altered granite dyke
216.65	217.00																			Strong shear (45TCA). Carbonate veins associated
217.49	217.59																			2% disseminated pyrite in a shear zone (45TCA)
219.66	222.38																			Hematite-carbonate alteration zone

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358460 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-59-2010	EASTING:	451704 E, NAD83	INCLINATION:	-60
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	299m
START DATE:		Line 7+67.5E; Station 8+13.3N		CORE SIZE:	NQ
FINISH DATE:					

										ALTERATION				Mineralisation						
Depth			Rock Type					Structure		Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
224.00	233.00																			Zone with several granite injections (dykes, breccia veins?); Altered into carbonate-hematite; including partially broken core
225.69	225.74																			Series of pyrite stringers; 45TCA
227.85	227.88																			A 2cm-thick pyrite vein; 45TCA
228.00	228.52																			Granite dyke (hematite-carbonate alteration)
233.74	233.76																			A 1.5cm-thick pyrite vein
233.00	273.25																			Mafic volcanic rock; hematite(?) partial alteration. Locally carbonate (+voids and broken core due to dissolution)
235.25	235.37																			A series of pyrite veinlets (locally disrupted) + ankerite (or bleaching?) associated
244.00	246.60																			Broken and partially broken core (fault zone?)
250.41	250.46																			A 3cm-thick pyrite semi-massive vein; 30TCA
253.70	253.83																			Series of pyrite stringers; 60TCA
254.04	254.05																			A 1cm-thick pyrite vein; 60TCA
255.00	260.00																			Zone with voids (due to carbonate dissolution); including <1% very fine-grained disseminated pyrite
257.90	258.00																			Series of pyrite veinlets; 40TCA
259.60	259.61																			Pyrite veinlet; 45TCA
260.50	261.14																			Series of fine pyrite stringers (at a 2 to 10cm interval; 45TCA)
261.59	261.60																			Pyrite stringer; 25TCA
261.84	261.85																			Pyrite stringer; 25TCA
262.18	262.37																			A 16cm-thick massive pyrite vein; 40TCA
271.33	271.34																			Pyrite stringer; 60TCA
271.62	271.80																			Granite dyke (hematite-carbonate alteration)
272.06	272.13																			Series of pyrite-carbonate veins/veinlets; 50TCA
275.29	277.00																			Shear zone(?); including pink calcite as filled fractures
282.90	282.96																			Fine pyrite-chlorite stringer + ankerite alteration along edges
283.83	283.90																			Pyrite-carbonate stringer (45TCA) + ankerite-pyrite alteration associated
287.82	287.83																			Pyrite stringer (45TCA)
288.20	288.66																			2-3% disseminated euhedral grains of pyrite (most likely alteration associated with a quartz vein at 288.66 - 288.73m)
288.66	288.73																			A 3cm-thick quartz vein; 15TCA; pyrite associated as alteration
288.88	289.01																			A 3cm-thick quartz-(pyrite) vein + pyrite as alteration. 20TCA; 2-3% pyrite
289.60	289.63																			A 2cm-thick pyrite-carbonate-(chlorite) vein; 60TCA. Semi-massive pyrite
294.93	295.70																			Down-dip quartz vein (1cm-thick)
299.00	299.00																			EOH

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358460 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-59-2010	EASTING:	451704 E, NAD83	INCLINATION:	-60.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	299m
START DATE:	0.00			CORE SIZE:	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
J509929	97.75	98.50	0.75	shoulder	J509929	-0.01	0	0	0	0	-0.2	1.33	-2	40	-2	2.42	-0.5	11	17	7	2.81	0.32	30	0.84	361	-1	0.03	14	740	-2	-2	0	67	0.12	-10	-10	41	0	42
J509930	98.50	99.40	0.90	2-3% disseminated py	J509930	0.01	0	0	0	0.01	1.2	1.4	10	30	-2	3.05	-0.5	22	13	286	3.64	0.2	40	0.83	393	-1	0.04	28	890	-2	-2	0	83	0.06	-10	-10	40	0	34
J509931	99.40	100.00	0.60	2-3% py	J509931	0.01	0	0	0	0.01	1.8	1.27	26	20	-2	2.98	1.1	60	12	591	5.05	0.14	50	0.61	328	-1	0.04	25	910	6	-2	0	72	0.02	-10	-10	33	0	69
J509932	100.00	101.00	1.00	2-3% py, trace cpy po	J509932	0.01	0	0	0	0.01	1	2.18	34	20	-2	3.43	-0.5	55	15	345	6.49	0.12	40	1.32	462	-1	0.03	43	900	-2	-2	0	91	0.03	-10	-10	66	0	47
J509933	101.00	102.00	1.00	2-3% py	J509933	-0.01	0	0	0	0	0.3	1.64	17	20	-2	3.77	-0.5	27	13	153	3.77	0.15	40	1.06	451	-1	0.03	39	890	-2	-2	0	110	0.04	-10	-10	50	0	50
J509934	102.00	103.00	1.00	shoulder	J509934	-0.01	0	0	0	0	-0.2	1.32	6	40	-2	3.04	-0.5	13	12	45	2.74	0.33	30	0.82	370	-1	0.04	18	830	-2	-2	0	88	0.08	-10	-10	30	0	34
J509935	214.00	215.00	1.00	shoulder	J509935	0.04	0	0	0	0.04	-0.2	2	3	30	-2	5.04	-0.5	12	21	-1	3.83	0.08	20	1.37	570	-1	0.04	20	1100	-2	-2	0	76	-0.01	-10	-10	49	0	67
J509936	215.00	215.60	0.60	shoulder	J509936	0.03	0	0	0	0.03	-0.2	2.45	-2	30	-2	5.84	-0.5	9	55	3	4.01	0.08	20	1.73	643	-1	0.03	26	1270	-2	-2	0	80	0.01	-10	-10	47	0	80
J509937	215.60	216.10	0.50	locally massive py veins	J509937	0.95	0	0	0	0.95	2.1	3.93	216	40	20	2.12	-0.5	45	217	1365	11.95	0.13	20	2.89	662	-1	0.02	64	1630	8	-2	0	34	-0.01	-10	-10	67	0	135
J509938	216.10	216.65	0.55	granite dyke altered	J509938	0.11	0	0	0	0.11	0.2	3.51	31	20	2	5.89	-0.5	20	270	541	5.57	0.07	20	2.86	766	-1	0.03	62	1660	-2	-2	0	124	0.02	-10	-10	75	0	115
J509939	216.65	217.65	1.00	shear zone	J509939	0.13	0	0	0	0.13	0.2	6.59	63	10	-2	4.91	-0.5	67	897	595	10.1	0.06	10	5.59	1190	5	0.02	223	2260	-2	-2	0	70	0.01	-10	-10	202	0	184
J509940	217.65	218.75	1.10	shoulder	J509940	0.03	0	0	0	0.03	0.2	4.15	19	10	-2	2.69	-0.5	69	313	463	8.68	0.06	-10	2.1	1115	-1	0.04	161	390	-2	-2	0	30	0.02	-10	-10	172	0	75
J509941	218.75	219.85	1.10	shoulder	J509941	0.04	0	0	0	0.04	0.3	4.27	25	10	-2	2.1	-0.5	71	286	45	9.31	0.08	-10	2.03	1300	-1	0.03	167	410	-2	-2	0	17	0.01	-10	-10	148	0	76
J509942	219.85	221.00	1.15	shoulder	J509942	-0.01	0	0	0	0	-0.2	3.64	9	10	-2	2.72	-0.5	56	258	11	7.83	0.05	-10	1.65	1180	-1	0.04	128	330	-2	-2	0	23	0.01	-10	-10	134	0	65
J509943	225.40	226.00	0.60	local py stringers	J509943	0.96	0	0	0	0.96	0.6	5.31	62	10	5	3.58	-0.5	69	210	48	12.3	0.04	-10	2.54	1695	-1	0.03	137	230	-2	-2	0	38	-0.01	-10	-10	213	0	531
J509944	226.00	227.00	1.00	shoulder	J509944	0.00	0	0	0	0.01	0.2	3.7	16	10	-2	3.2	-0.5	60	276	3	8.1	0.1	10	1.9	1325	-1	0	167	240	-2	-2	0	26	0	-10	-10	190	0	159
J509945	227.00	228.00	1.00	local py stringers	J509945	1.00	0	0	0	0.52	0.2	4.9	73	10	2	1.6	-0.5	71	298	3	11	0.1	-10	2.6	1565	-1	0	205	190	-2	-2	0	14	0	-10	-10	220	0	171
J509946	228.00	229.00	1.00	granite dyke	J509946	0.00	0	0	0	0	-0.2	4.4	4	10	-2	4.6	-0.5	43	221	-1	8.4	0	-10	2.5	1585	2	0	122	310	-2	-2	0	55	0	-10	-10	183	0	110
J509947	229.00	230.00	1.00	shoulder	J509947	0.00	0	0	0	0.02	-0.2	4.2	8	10	-2	1.5	-0.5	49	277	14	8	0.1	10	2.6	1220	52	0	158	280	-2	-2	0	14	0.1	-10	-10	194	0	94
J509948	230.00	231.00	1.00		J509948	0.00	0	0	0	0.01	0.2	3.8	5	10	-2	3.5	-0.5	40	169	1	7.1	0	20	2.3	1185	5	0	80	430	-2	-2	0	28	0	-10	-10	140	0	77
J509949	230.00	230.00	0.00	Blank CAR-38-2010, B.30, 125.50 - 126.00																																			
J509950	230.00	230.00	0.00	Standard-H																																			
J509951	231.00	232.00	1.00		J509951	0.00	0	0	0	0.02	-0.2	5.5	5	10	-2	3.5	-0.5	59	303	4	9.8	0.1	10	2.9	1465	1	0	149	350	-2	3	0	29	0	-10	-10	213	0	110
J509952	232.00	233.00	1.00	shoulder	J509952	0.00	0	0	0	0.02	0.3	5.5	2	10	-2	3.3	-0.5	54	213	2	9.7	0.1	10	2.8	1420	1	0	125	740	-2	-2	0	24	0	-10	-10	182	0	115
J509953	233.00	234.00	1.00	local py veins	J509953	1.00	0	0	0	0.58	-0.2	3.3	32	10	4	4.5	-0.5	30	38	6	7.6	0	10	1.4	1220	2	0.1	31	870	2	-2	0	29	0	-10	-10	90	0	99
J509954	234.00	235.00	1.00	shoulder	J509954	0.00	0	0	0	0.04	-0.2	2.4	7	20	-2	2.1	-0.5	16	13	27	5.2	0.1	10	0.9	794	1	0	14	820	-2	-2	0	20	0	-10	-10	28	0	69
J509955	235.00	235.50	0.50	series of py stringers and veinets	J509955	0.00	0	0	0	0.45	-0.2	1.9	27	30	2	2.4	-0.5	15	4	14	4.9	0.1	10	0.7	675	1	0	5	880	2	-2	0	14	0	-10	-10	7	0	71
J509956	235.50	236.50	1.00	shoulder	J509956	0.00	0	0	0	0.38	-0.2	2	23	20	-2	1.7	-0.5	11	1	21	4.4	0.1	10	0.7	573	1	0	2	790	2	-2	0	17	0	-10	-10	5	0	75
J509957	236.50	237.50	1.00		J509957	0.00	0	0	0	0	-0.2	2	-2	20	-2	1.9	-0.5	10	5	3	4.1	0.1	10	0.6	640	1	0	1	810	-2	-2	0	26	0	-10	-10	7	0	77
J509958	237.50	238.75	1.25	shoulder	J509958	0.00	0	0	0	0.01	-0.2	2.1	2	20	-2	2.4	-0.5	10	1	2	4.4	0.1	10	0.7	691	1	0	-1	800	2	-2	0	20	0	-10	-10	6	0	81
J509959	238.75	240.00	1.25		J509959	0.00	0	0	0	0	0.2	2.1	-2	20	-2	1.4	-0.5	10	2	1	4.4	0.1	10	0.7	548	1	0	-1	790	2	-2	0	17	0.1	-10	-10	7	0	80
J509960	240.00	241.00	1.00		J509960	0.00	0	0	0	0	-0.2	2.1	-2	10	-2	1.8	-0.5	9	1	-1	4.6	0.1	20	0.8	524	-1	0	-1	840	-2	-2	0	10	0	-10	-10	9	0	64
J509961	241.00	242.00	1.00		J509961	0.00	0	0	0	0.01	-0.2	2.1	-2	10	-2	3.4	-0.5	17	1	-1	4.5	0	10	0.8	584	1	0.1	1	1030	-2	-2	0	14	0	-10	-10	15	0	58
J509962	242.00	243.00	1.00		J509962	0.00	0	0	0	0	-0.2	1.9	3	-10	-2	3.7	-0.5	12	1	2	4.2	0	10	0.7	583	1	0.1	1	1000	-2	-2	0	18	0	-10	-10	15	0	54
J509963	243.00	244.00	1.00		J509963	0.00	0	0	0	0.01	-0.2	2.4	-2	-10	-2	3.8	-0.5	9	-1	-1	5.2	0	10	0.8	650	-1	0.1	-1	1080	-2	-2	0	18	0	-10	-10	17	0	65
J509964	244.00	245.00	1.00		J509964	0.00	0	0	0	0.01	0.3	2.6	-2	-10	-2	3.1	-0.5	9	1	1	5.7	0	10	0.9	654	-1	0.1	3	1110	2	-2	0	13	0	-10	-10	21	0	71
J509965	245.00	246.00	1.00		J509965	0.00	0	0	0	0	-0.2	2.4	-2	-10	-2	3.6	-0.5	13	-1	2	5.3	0	10	0.8	620	1	0.1	2	1030	-2	-2	0	14	0	-10	-10	18	0	65
J509966	246.00	247.00	1.00		J509966	0.00	0	0	0	0.02	-0.2	3	3	10	-2	4.9	-0.5	18	-1	1	6	0	-10	1.1	801	2	0.1	2	1040	-2	-2	0	26	0	-10	-10	21	0	80
J509967	247.00	248.00	1.00		J509967	0.00	0	0	0	0	-0.2	2.5	-2	-10	-2	3.6	-0.5	6	-1	1	5.4	0	-10	1	666	2	0.1	4	1190	-2	-2	0	16	0	-10	-10	16	0	71
J509968	248.00	249.00	1.00		J509968	0.00	0	0	0	0.01	-0.2	2.7	2	-10	-2	3.5	-0.5	7	-1	2	5.5	0	-10	1	699	1	0.1	5	1230	-2	-2	0	14	0	-10	-10	19	0	74
J509969	249.00	250.00	1.00		J509969	0.00	0	0	0	0.01	-0.2	2.6	4	-10	-2	2.5	-0.5	10	-1	1	5.6	0	-10	1	610	1	0.1	5	1150	-2	-2	0	13	0	-10	-10	14	0	70
J509970	250.00	250.60	0.60	local py veins	J509970	>10.00	0	14.2	0	14.2	1.7	3.1	92	10	3	2	-0.5	20	-1	4	8.1	0	-10	1.3	658	1	0.1	6	1270	2	-2	0	11	0	-10	-10	17	0	83
J509971	250.60	251.75	1.15	shoulder	J509971	0.00	0	0	0	0.02	0.2	3	3	-10	-2	4.2	-0.5	9	-1	-1	6.1	0	-10	1.2	794	1	0.1	5	1150	-2	-2	0	26	0	-10	-10	15	0	83
J509972	251.75	253.00	1.25		J509972	0.00	0	0	0	0.01	-0.2	2.6	3	-10	-2	4.4	-0.5	9	-1	1	5.3	0	-10	1	743	1	0.1	3	1080	-2	2	0	25	0.1	-10	-10	12	0	73
J509973	253.00	253.60	0.60		J509973	0.00	0	0	0	0.01	-0.2	3.5	2	-10	-2	3.5	-0.5	12	-1	1	7.1	0	-10	1.5	836	-1	0.1	7	1170	-2	-2	0	20	0	-10	-10	19	0	107
J509974	253.00	253.00	0.00	Blank CAR-38-2010, B.30, 126.00 - 126.50																																			
J509975	253.00	253.00	0.00	Standard-L																																			
J509976	253.60	254.20	0.60	series of py stringers	J509976	1.00	0	0	0	1.01	0.5	3.5	124	-10	11	1.1	-0.5	50	-1	7	9	0	-10	1.7	663	1	0.1	7	1160	-2	-2	0	7	0	-10	-10	28	0	123
J509977	254.20	255.00	0.80	shoulder	J509977	0.00	0	0	0	0	-0.2	3.2	-2	-10	-2	2.7	-0.5	16	-1	1	6.4	0	10	1.4	717	-1	0.1	3	1010	-2	-2	0	16	0.1	-10	-10	18	0	93
J509978	255.00	256.00	1.00	v/f-g diss py <1%	J509978	0.00	0	0	0	0	-0.2	2.4	-2	-10	-2	2.1	-0.5	8	3	18	5.1	0	30	1	565	1	0.1	2	990	2	-2	0	9	0.1	-10	-10	16	0	73
J509979	256.00	257.00	1.00	v/f-g diss py <1%	J509979	0.00	0	0	0	0.04	-0.2	2.7	8	10	-2	1.7	-0.5	15	-1	2	5.8	0	10	1	575	1	0.1	2	1090	-2	-2	0	6	0.1	-10	-10	16	0	76
J509980	257.00	257.75	0.75	v/f-g diss py <1%	J509980	0.00	0	0	0	0.01	-0.2	2.8	-2	-10	-2	2.8	-0.5	13	-1	5	5.9	0	10	1.1	647	1	0.1	1	980	-2	-2	0	10	0.1	-10	-10	17	0	79
J509981	257.75	258.25	0.50	series of py vnlets	J509981	1.00	0	0	0	0.7	-0.2	2.5	54	10	-2	1.7	-0.5	25	-1	5	6.6	0	10	1	523	1	0.1	2	1070	-2	-2	0	6	0	-10	-10	16	0	68
J509982	258.25	259.00	0.75	v/f-g diss py <1%	J509982	0.00	0	0	0	0	-0.2	3.1	-2	-10	4	2.8	-0.5	14	-1	3	6.2	0	20	1.3	721	1	0.1	3	1060	3	3	0	13	0	-10	-10	20	0	83
J509983	259.00	260.00	1.00	v/f-g diss py <1% and py stringers	J509983	1.00	0	0	0	0.57	-0.2	3.3	17	10	-2	3.3	-0.5	15	-1	2	6.8	0.1	10	1.4	790	1	0.1	2	1100	-2	-2	0	22	0	-10	-10	18	0	83
J509984	260.00	260.75	0.75	series of fn py stringers	J509984	0.00	0	0	0	0.17	-0.2	3.4	18	20	-2	4.4	-0.5	18	1	2	6.8	0.1	-10	1.5	826	1	0.1	2	1040	-2	-2	0	39	0	-10	-10	15	0	82
J509985	260.75	261.75	1.00	series of fn py stringers	J509985	1.00	0	0	0	0.67	-0.2	3.8	71	30	8	4.4	-0.5	23	-1	49	8.1	0.1	10	1.6	856	1	0.1	1	1150	2	-2	0	36	0	-10	-10	16	0	110
J509986	261.75	262.40	0.65	a 16cm thick massive py vein	J509986	>10.00	0	44.1	0	44.1	13.2	3.1	1210	10	189	1.8	2.6	44	1	1100	21.2	0.1	10	1.3	587	2	0.1	12	800	19	-2	0	17	0	-10	-10	16	0	427
J509987	262.40	263.00	0.60	shoulder	J509987	0.00	0	0	0	0.05	0.3	2.9	11	10	3	2.6	-0.5	13	1	13	5.7	0.1	10	1.2	660	4	0.1	-1	950	2	-2	0	15	0	-10	-10	15	0	106
J509988	263.00	264.00	1.00	shoulder	J509988	0.00	0	0	0	0.03	0.2	2.3	3	10	-2	3.4	-0.5	12	-1	81	4.9	0	-10	0.9	631	22	0.1	-1	930	2	-2	0	21	0	-10	-10	14	0	75
J509989	270.00	271.00	1.00	shoulder	J509989	0.00	0	0	0	0	0.3	2.3	2	10	3	3.1	-0.5	11	1	147	5	0	10	0.8	629	1	0.1	5	990	2	-2	0	18	0.1	-10	-10	23	0	60
J509990	271.00	271.60	0.60	local py stringers	J509990	0.00	0	0	0	0.01	0.2	3.5	3	-10	3	2.7	-0.5	17	-1	6	7.1	0	-10	1.6	795	-1	0.1	9	1080	-2	-2	0	18	0	-10	-10	22	0	99
J509991	271.60	272.20	0.60	series of fn py stringers and vnlets	J509991	0.00	0	0	0	0.05	0.3	3.2	16	10	3	5.4	-0.5	17	8	77	5.9	0.1	10	1.7	865	25	0	12	940	5	-2	0	42	0	-10	-10	33	0	95
J509992	272.20	273.00	0.80	shoulder	J509992	0.00	0	0	0	0.11	-0.2	3.9	11	10	-2	5.7	-0.5	17	1	42	7.4	0	-10	1.8	1085	3	0.1	11	950	-2	-2	0	48	0	-10	-10	23	0	111
J509993	275.00	276.00	1.00	shear zone	J509993	0.20	0	0	0	0.21	0.3	4.8	18	20	-2	5.6	-0.5	30	143	140	5.1	0.1	-10	4.2	841	2	0	161	300	2	-2	0	52	0	-10	-10	75	0	94
J509994	276.00	282.00	6.00	shear zone	J509994	0.00	0	0	0	0.01	-0.2	3.1	3	30	-2	4.6	-0.5	18	63	42	4.4	0.1	10	2.1	751	-1	0	64	660	-2	-2	0	41	0	-10	-10	29	0	80
J509995	282.00	282.75	0.75	shoulder	J509995	0.00	0	0	0	0	0.2	2	2	20	-2	3	-0.5	9	1	7	4.3	0.1	10	0.6	644	-1	0.1	-1	860	2	-2	0	31	0	-10	-10	6	0	79
J509996	282.75	283.50	0.75	local py-carb vnlets + ankerite alteration	J509996	0.00	0	0	0	0.03	0.3	2.1	2	20	-2	3.2	-0.5	10	1	11	4.6	0.1	10	0.6	678	-1	0.1	1	810	-2	-2	0	32	0	-10	-10	6	0	78
J509997	283.50	284.00	0.50	local py-carb vnlets + ankerite alteration	J509997	1.00	0	0	0	0.94	0.3	2.1	36	20	-2	3.3	-0.5	13	1	17	5.2	0.1	10	0.6	682	-1	0.1	4	970	-2	-2	0	34	0	-10	-10	7	0	71
J509998	284.00	285.00	1.00	shoulder	J509998	0.00	0	0	0	0.01	-0.2	2.1	-2	20	2	3.3	-0.5	9	1	2	4.4	0.1	10	0.5	722	-1	0.1	1	790	3	-2	0	36	0	-10	-10	6	0	72
J509999	284.00	284.00	0.00	Blank CAR-38-2010, B.30-31,126.50-127.00																																			
J918450	284.00	284.00	0.00	Standard-H																																			
J918451	285.00	286.50	1.50	shoulder	J918451	0.00	0	0	0	0	0.4	2.1	-2	20	-2	3.4	-0.5	9	2	3	4.6	0.1	10	0.6	764	-1	0.1	-1	750	2	-2	0	39	0	-10	-10	7	0	87
J918452	286.50	287.70	1.20	shoulder	J918452	0.00	0	0	0	0.01	0.2	2.1	2	20	2	3.4	-0.5	11	1	21	4.3	0.1	10	0.6	758	1	0.1	-1	810	4	-2	0	46	0	-10	-10	6	0	71
J918453	287.70	288.20	0.50	local py vnlets	J918453	0.00	0	0	0	0	-0.2	2	5	10	-2	3.3	-0.5	10	1	9	4.3	0.1	10	0.6	707	-1	0.1	4	870	-2	-2	0	39	0	-10	-10	6	0	58
J918454	288.20	289.15	0.95	qtz vn + py altered	J918454	0.09	0	0	0	0.09	0.2	2	26	20	-2	2	-0.5	10	1	10	5.3	0.1	-10	0.7	465	-1	0.1	3	950	4	-2	0	28	0	-10	-10	4	0	49
J918455	289.15	289.75	0.60	local py-carb vn	J918455	0.95	0	0	0	0.95	0.2	2.3	41	20	-2	3	-0.5	9	1	97	5.8	0.1	10	0.7	666	-1	0.1	3	890	2	-2	0	40	0	-10	-10	5	0	69
J918456	289.75	290.50	0.75	shoulder	J918456	0.00	0	0	0	0.01	0.4	2.3	2	20	-2	3.1	-0.5	10	1	5	4.8	0.1	10	0.6	710	-1	0.1	2	820	-2	-2	0	35	0	-10	-10	7	0	82

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358416 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-60-2010	EASTING:	451753 E, NAD83	INCLINATION:	-60
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	362m
START DATE:		Line 8+00E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION Alteration Intensity				Mineralisation Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0.00	**1.40**	**1.40**	**OB**																	**Casing/Overburden; casing at 27m**
1.40	**198.80**	**197.40**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Including several carbonate-(goethite) veinlets with carbonate alteration along edges
13.04	13.07																			A 2cm-thick quartz vein; 25TCA
21.30	21.44																			Late calcite vein/tension gashes; goethite is associated
39.14	39.25																			*In situ* breccia/breccia vein; chlorite matrix; 1% pyrite
47.06	47.11																			Quartz vein; 3cm-thick; 25TCA
48.83	48.86																			A 3cm-thick quartz vein; 30TCA
55.70	60.00																			Carbonate pervasive alteration (grey color)
63.65	66.40																			Carbonate pervasive alteration (grey color)
66.14	66.17																			Two quartz-(chlorite) vein (1cm-thick each; 70TCA)
69.75	70.15																			Carbonate-(chlorite) alteration zone associated with weak shear zone (40TCA)
81.88	82.26																			A 4cm-thick quartz vein (15TCA). Trace of leucoxene; goethite and silica alteration associated
86.72	87.00																			Quartz-(chlorite) vein; no mineralization associated; 60TCA
91.89	92.15																			A 2cm-thick quartz vein (15TCA) + silica alteration associated along edges
93.60	93.68																			Goethite associated with fractures; tr euhedral pyrite
97.27	98.75																			Carbonate-silica alteration zone (grey color)
103.59	103.61																			A 2cm-thick quartz vein; 50TCA
104.70	113.20																			Pervasive carbonate-(silica) alteration zone (light grey color). Contacts are gradational. Locally core is broken (due to partial dissolution)
106.94	107.03																			Quartz-chlorite vein; 50TCA
109.97	110.02																			A 1cm-thick quartz vein; 15TCA
135.00	135.15																			Goethite (+silica) associated with late fractures
135.92	135.95																			A 3cm-thick quartz vein; 60TCA
140.88	145.60																			Zone with carbonate alteration including local carbonate-chlorite filled fractures
151.40	155.48																			Pervasive carbonate-silica alteration zone (contacts are gradational)
157.94	158.00																			A 5cm-thick quartz-chlorite vein (70TCA); +silica alteration associated
165.26	165.30																			Aplite dyke; 65TCA
171.86	171.90																			A 3cm-thick quartz-(carbonate) vein; 80TCA
177.70	177.94																			A 1cm-thick quartz vein; 10TCA
180.12	180.15																			A 2.5cm-thick quartz vein; 60TCA
187.77	187.80																			A 2.5cm-thick quartz vein; 70TCA
190.46	195.20																			Zone with weak hematite-silica alteration zone (light pink-orange color)
198.80	**278.75**	**79.95**																		**Altered granite**
																				Hematite-calcite alteration. Purple-ish red color. Uphole contact is gradational
255.76	255.77																			A pink calcite vein (40TCA) + sericite along edges. Tr pyrite.
257.00	257.40																			Weak shear zone (55TCA), with chlorite associated. The shear zone includes carbonate-(pyrite) veins; 2-3% pyrite
258.51	258.52																			A small fracture (25TCA) with sericite-hematite along edges. Trace pyrite
260.25	260.48																			Weak shear zone; 60TCA
278.75	**362.00**	**83.25**																		**Mafic volcanic rock**
																				Massive flow + breccia flow facies. Chlorite-rich. Pervasive carbonate-(hematite) alteration near the uphole contact. Partially broken core (due to carbonate dissolution). Locally magnetic near the end of hole.
279.58	281.41																			Partially broken core (due to weak shear?). Chlorite-rich.

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358416 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-60-2010	EASTING:	451753 E, NAD83	INCLINATION:	-60
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	362m
START DATE:		Line 8+00E; Station 7+75N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensity			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
282.58	282.80	Series of open-space fracturing partially filled with carbonate (and/or partially dissolution). Presence of 1% pyrite associated (+silica alteration along edges)
283.30	283.33	Open-space fracture (30TCA). Partially filled with carbonate and chlorite (+1% chalcopyrite)
287.22	287.83	A series of pyrite stringers and veinlets (30 to 40TCA) at a 2-3cm interval. Hematite and silica (chert) are associated. Iron fm(?). Not magnetic
288.63	288.66	Pyrite vein; 35TCA
290.12	290.13	Pyrite stringer; 25TCA
291.14	291.66	Broken core; chlorite-rich
291.35	291.66	Semi-massive pyrite (vein?), broken core
294.22	294.48	2-3% disseminated pyrite and as stringers (locally down-dip)
301.55	301.58	A 2cm-thick pyrite-carbonate vein; 60TCA
304.94	304.96	A 1cm-thick pyrite-carbonate vein; 40TCA
305.12	305.13	Pyrite stringer; 40TCA
306.67	306.74	Dissolution voids, tr pyrite
308.51	308.52	A 1cm-thick pyrite-carbonate vein; 70TCA
308.97	308.99	Pyrite stringer; 45TCA
309.60	309.80	Series of very fine pyrite stringers; <1% pyrite
311.24	311.28	2-3% pyrite as stringers
311.50	311.59	2-3% pyrite as stringers; 60TCA
312.22	312.23	Very fine pyrite stringer; 60TCA
317.47	317.48	Pyrite stringer; 70TCA
317.68	317.76	1-2% disseminated pyrite
318.85	319.00	Fine pyrite stringer; 30TCA; locally down-dip
320.15	320.32	Pyrite veinlet; 10TCA
320.82	321.04	Weak shear zone (broken core) including pink calcite veins and fuschite(?); tr pyrite
322.45	322.75	Broken core
325.20	325.35	Granite(?) dyke; strongly altered (carbonate) and partially dissolved. Partially broken core
325.76	325.83	Pegmatite dyke; partially dissolved (carbonate alteration?); 60TCA
330.38	330.50	Pegmatite dyke (hematized?)
331.09	331.22	Pegmatite dyke (hematized?)
331.40	331.49	Pegmatite dyke (hematized?)
333.00	333.64	Granite dyke; epidote-rich
335.82	335.86	A 1.5cm-thick quartz vein (+leucoxene and pyrite along edges); 30TCA
336.16	336.18	A 1.5cm-thick quartz-(chlorite) vein (+leucoxene and pyrite along edges); 25TCA
342.23	342.26	A 1cm-thick pyrite vein; 25TCA
349.69	349.71	A 1cm-thick quartz-(hematite) vein; 20TCA
350.52	350.54	A 2cm-thick quartz vein; 25TCA
350.86	351.06	A 2cm-thick quartz-(pyrite) vein (20TCA). 1% pyrite along edges. Weak ankerite alteration is associated
360.60	361.25	Granite dyke; strongly and pervasively altered into carbonate. Voids due to dissolution; tr pyrite
361.80	361.90	Tr-1% disseminated pyrite
362.00	EOH	End of Hole

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358416 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-60-2010	EASTING:	451753 E, NAD83	INCLINATION:	-60.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	362m
START DATE:	0.00			CORE SIZE:	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results: SAMPLE	AU_G/TF	AA	U_G/TG	AU_G/TN	AU_G/TF	INAG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
J918457	81.75	82.30	0.55	local qtz vein	J918457	-0.01	0	0	0	0	0.2	0.87	-2	40	-2	1.14	-0.5	6	14	10	1.66	0.1	20	0.61	297	1	0.03	12	600	-2	-2	0	32	0.1	-10	-10	19	0	35
J918458	86.50	87.10	0.60	local qtz vein	J918458	-0.01	0	0	0	0	-0.2	0.81	-2	30	-2	2.11	-0.5	6	13	2	1.59	0.11	20	0.48	338	-1	0.03	9	460	3	-2	0	53	0.07	-10	-10	10	0	33
J918459	91.70	92.20	0.50	local qtz vein	J918459	-0.01	0	0	0	0	-0.2	0.84	-2	30	-2	2.04	-0.5	6	13	4	1.73	0.1	20	0.53	340	-1	0.03	11	620	3	-2	0	35	0.07	-10	-10	15	0	35
J918460	255.50	256.00	0.50	shoulder	J918460	0.02	0	0	0	0.02	0.3	2.01	3	40	2	6.4	-0.5	10	19	1	2.95	0.16	10	1.51	671	-1	0.03	19	1080	3	-2	0	121	0.05	-10	-10	47	0	64
J918461	256.00	256.75	0.75	shoulder	J918461	0.10	0	0	0	0.1	0.2	2	-2	30	2	7.8	-0.5	8	18	1	3.03	0.11	20	1.43	716	-1	0.04	21	970	2	-2	0	105	0.06	-10	-10	49	0	76
J918462	256.75	257.50	0.75	py-carb vn	J918462	0.17	0	0	0	0.17	-0.2	2.04	-2	30	-2	8.4	-0.5	6	18	10	2.87	0.14	20	1.41	763	-1	0.03	18	1000	2	-2	0	117	0.01	-10	-10	45	0	70
J918463	257.50	258.25	0.75	shoulder	J918463	1.13	0	0	0	1.13	1	2.27	40	30	44	6.3	-0.5	10	10	13	3.42	0.2	30	1.73	731	1	0.01	19	1390	14	-2	0	104	-0.01	-10	-10	88	0	103
J918464	258.25	258.75	0.50	local py-serecite stringers	J918464	0.27	0	0	0	0.27	0.3	2.09	4	40	2	4.85	-0.5	7	18	1	3.05	0.19	20	1.46	550	-1	0.03	19	1180	3	-2	0	65	0.01	-10	-10	39	0	56
J918465	258.75	259.75	1.00	shoulder	J918465	0.03	0	0	0	0.03	0.2	1.88	-2	30	-2	6.4	-0.5	6	18	1	2.76	0.12	20	1.34	598	-1	0.04	18	970	-2	-2	0	90	0.04	-10	-10	34	0	52
J918466	259.75	260.50	0.75	local shear zone	J918466	0.06	0	0	0	0.06	0.3	1.94	8	30	3	7.7	-0.5	7	21	305	2.97	0.17	30	1.26	688	1	0.03	17	970	3	-2	0	108	0.01	-10	-10	29	0	69
J918467	260.50	261.00	0.50	shoulder	J918467	0.01	0	0	0	0.01	0.3	1.89	8	30	3	8.7	-0.5	8	17	274	2.96	0.14	20	1.2	725	3	0.03	19	910	3	-2	0	133	-0.01	-10	-10	28	0	75
J918468	261.00	261.50	0.50	carbonate-py vn	J918468	0.77	0	0	0	0.77	1.2	1.94	38	50	13	10.3	-0.5	12	12	743	4.02	0.19	20	1.18	790	-1	0.02	18	960	9	-2	0	241	-0.01	-10	-10	30	0	70
J918469	261.50	262.50	1.00	shoulder	J918469	0.08	0	0	0	0.08	0.3	1.94	2	30	-2	8	-0.5	7	18	4	3.08	0.12	20	1.28	661	-1	0.04	16	920	-2	-2	0	149	0.01	-10	-10	39	0	70
J918470	277.00	278.00	1.00	altered granite shoulder	J918470	0.25	0	0	0	0.25	0.3	2.83	-2	30	2	3.78	-0.5	16	19	2	4.36	0.15	50	1.79	575	-1	0.03	29	1750	5	-2	0	93	-0.01	-10	-10	54	0	70
J918471	278.00	278.75	0.75	altered granite shoulder contact zone	J918471	0.02	0	0	0	0.02	-0.2	3.19	-2	20	-2	4.63	-0.5	22	28	3	5.36	0.12	30	1.84	750	2	0.04	47	2690	2	-2	0	105	0.01	-10	-10	63	0	82
J918472	278.75	279.50	0.75	mafic vol rock contact zone	J918472	-0.01	0	0	0	0	0.3	5.2	3	30	-2	2.4	-0.5	63	214	6	9.4	0.2	-10	2.5	875	9	0	268	330	3	-2	0	41	0	-10	-10	129	0	137
J918473	279.50	280.50	1.00	mafic vol rock contact zone	J918473	0.01	0	0	0	0.01	-0.2	5.5	2	20	2	2.9	-0.5	67	267	1	10.1	0.2	10	2.9	1145	8	0	282	250	-2	-2	0	61	0	-10	-10	157	0	129
J918474	279.50	279.50	0.00	Blank CAR-38-2010 Box 31 127.00 - 127.50																																			
J918475	279.50	279.50	0.00	Standard L																																			
J918476	280.50	281.50	1.00	mafic vol rock contact zone	J918476	0.05	0	0	0	0.05	0.2	6.1	8	20	3	1	-0.5	81	254	5	11.6	0.1	-10	3.2	1050	1	0	267	470	-2	-2	0	15	0	-10	-10	182	0	152
J918477	281.50	282.50	1.00	shoulder	J918477	0.01	0	0	0	0.01	0.3	3.6	6	10	-2	3.4	-0.5	46	110	403	7.7	0	-10	1.5	826	-1	0.1	101	840	4	-2	0	25	0	-10	-10	91	0	93
J918478	282.50	283.25	0.75	1% py along open space fracture	J918478	0.14	0	0	0	0.14	0.2	2.2	2	-10	-2	5.2	-0.5	13	1	195	5	0	-10	0.6	683	-1	0.1	16	950	-2	-2	0	34	0	-10	-10	31	0	62
J918479	283.25	284.00	0.75	1% py along open space fracture and1% cpy	J918479	-0.01	0	0	0	0	0.2	2.8	-2	-10	-2	5.6	-0.5	15	4	31	6	0	-10	0.9	671	1	0.1	20	990	-2	-2	0	40	0.1	-10	-10	44	0	80
J918480	284.00	285.00	1.00	mafic vol rock carb-hem altered	J918480	0.01	0	0	0	0.01	0.3	2.3	2	-10	-2	5.4	-0.5	19	79	34	5.1	0	-10	0.7	583	2	0.1	50	770	-2	-2	0	31	0.1	-10	-10	72	0	65
J918481	285.00	286.00	1.00	mafic vol rock carb-hem altered	J918481	-0.01	0	0	0	0	-0.2	3	4	-10	-2	5.8	-0.5	38	184	34	7.2	0	-10	0.9	784	1	0	95	520	-2	-2	0	37	0.1	-10	-10	150	0	83
J918482	286.00	287.10	1.10	mafic vol rock carb-hem altered	J918482	0.01	0	0	0	0.01	-0.2	1.6	7	-10	-2	5.3	-0.5	16	2	31	3.9	0	-10	0.4	558	3	0.1	40	980	23	-2	0	31	0.1	-10	-10	31	0	70
J918483	287.10	287.85	0.75	series of py stringers +hem+sil.(chert) associated	J918483	0.49	0	0	0	0.49	0.3	1.5	85	-10	-2	2.6	-0.5	25	5	9	5.9	0	-10	0.5	318	2	0.1	28	1140	2	2	0	14	0	-10	-10	59	0	48
J918484	287.85	288.50	0.65	shoulder	J918484	0.07	0	0	0	0.07	-0.2	4.6	23	-10	-2	0.4	-0.5	61	353	2	9.6	0	-10	2.3	659	1	0	179	730	3	6	0	2	0.1	-10	-10	225	0	122
J918485	288.50	289.00	0.50	local py vn	J918485	0.07	0	0	0	0.07	-0.2	7.2	72	10	-2	0.2	-0.5	83	333	2	16	0	-10	3.7	938	3	0	202	800	6	3	0	2	0	-10	-10	329	0	170
J918486	289.00	290.00	1.00	shoulder	J918486	0.03	0	0	0	0.03	-0.2	5.9	10	-10	-2	1.3	-0.5	48	272	3	12.1	0	-10	2.5	867	-1	0	117	670	5	-2	0	9	0	-10	-10	253	0	142
J918487	290.00	291.00	1.00	shoulder	J918487	0.10	0	0	0	0.1	-0.2	3.6	7	10	2	2.7	-0.5	21	3	3	7.6	0	10	1.4	691	1	0.1	27	870	6	-2	0	19	0	-10	-10	39	0	91
J918488	291.00	291.75	0.75	locally semi-massive Pyrite	J918488	>10.00	0	11.8	0	11.75	2.3	5.4	163	10	10	0.8	-0.5	68	2	10	20.7	0.1	30	2.6	693	2	0	59	1120	16	3	0	7	0	-10	-10	58	0	127
J918489	291.75	293.00	1.25	shoulder	J918489	-0.01	0	0	0	0	-0.2	3.8	5	10	2	2.9	-0.5	20	-1	1	7.7	0	10	1.5	727	3	0.1	17	800	4	-2	0	20	0	-10	-10	30	0	90
J918490	293.00	294.00	1.00	shoulder	J918490	0.01	0	0	0	0.01	-0.2	3.6	4	10	-2	3.9	-0.5	18	1	-1	6.9	0.1	10	1.6	764	1	0.1	10	940	3	2	0	33	0	-10	-10	24	0	80
J918491	294.00	294.75	0.75	up to 5% py	J918491	0.21	0	0	0	0.21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918492	294.75	296.00	1.25	shoulder	J918492	0.02	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918493	300.00	301.00	1.00	shoulder	J918493	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918494	301.00	301.75	0.75	py-carbonate veinlets	J918494	0.86	0	0	0	0.86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918495	301.75	302.85	1.10	shoulder	J918495	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918496	302.85	304.00	1.15	shoulder	J918496	0.03	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918497	304.00	304.80	0.80	No comment.	J918497	0.01	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918498	304.80	305.30	0.50	py-carbonate veins/stringers	J918498	3.14	0	0	0	3.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918499	304.80	304.80	0.00	Blank CAR-38-10, B.31, 127.50 - 128.00																																			
J918500	304.80	304.80	0.00	Standard H																																			
J918501	305.30	306.00	0.70	shoulder	J918501	0.01	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918502	306.00	307.00	1.00	local py occurrences	J918502	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918503	307.00	308.00	1.00	shoulder	J918503	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918504	308.00	309.00	1.00	py stringers	J918504	0.14	0	0	0	0.14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918505	309.00	310.00	1.00	local py stringers	J918505	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918506	310.00	311.20	1.20	shoulder	J918506	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918507	311.20	311.70	0.50	py veinlets	J918507	0.44	0	0	0	0.44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918508	311.70	312.50	0.80	local py stringers	J918508	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918509	312.50	313.50	1.00	shoulder	J918509	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918510	317.00	318.00	1.00	local py stringers	J918510	0.10	0	0	0	0.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918511	318.00	319.00	1.00	local py stringers	J918511	0.16	0	0	0	0.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918512	319.00	320.00	1.00	shoulder	J918512	0.02	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918513	320.00	320.75	0.75	py veinlets	J918513	0.43	0	0	0	0.43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918514	320.75	321.75	1.00	weak shear zone	J918514	0.03	0	0	0	0.03	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918515	321.75	323.00	1.25	shoulder	J918515	0.01	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918516	335.75	336.50	0.75	quartz vein + 1% py	J918516	0.20	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918517	336.50	342.00	5.50	shoulder	J918517	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918518	342.00	342.50	0.50	local py vein	J918518	0.41	0	0	0	0.41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918519	342.50	343.00	0.50	shoulder	J918519	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918520	350.00	350.50	0.50	quartz py vein	J918520	0.05	0	0	0	0.05	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918521	350.50	351.15	0.65	shoulder	J918521	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918522	351.15	351.75	0.60	shoulder	J918522	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918523	359.80	360.60	0.80	shoulder	J918523	0.01	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918524	360.60	360.60	0.00	Blank CAR-38-10, B.31, 128.00 - 128.50	J918524	-0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
J918525	360.60	360.60	0.00	Standard L																																			
J918526	360.60	361.25	0.65	Granite dyke; pervasive carbonate alteration + diss. Tr Py																																			
J918527	361.25	362.00	0.75	Shoulder	J918527	0.01	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358018 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-61-2010	EASTING:	451905 E, NAD83	INCLINATION:	-75
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	350m
START DATE:				CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensit			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0.00	**29.00**	**29.00**	**OB**																	**Casing/Overburden**
29.00	**200.55**	**171.55**																		**Granite**
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Including several carbonate-(goethite) veinlets with carbonate alteration along edges. Locally weakly magnetic
29.00	42.46																			Pervasive carbonate alteration (grey color) including several carbonate veinlets/tension gashes (at a 5 to 20cm interval)
45.50	45.75																			Broken core
46.53	47.45																			Pervasive carbonate alteration zone (light grey color)
60.61	60.73																			Calcite veinlets + goethite associated along edges
72.10	85.64																			Pervasive carbonate-(±sericite) alteration zone (dark grey color)
82.30	83.00																			Weak shear zone; + sericite(?) alteration associated
89.65	90.93																			Pervasive carbonate alteration
103.65	107.16																			Pervasive carbonate alteration
115.30	118.82																			Pervasive carbonate-sericite alteration zone (grey color) including locally tr pyrite
120.88	121.27																			Down-dip carbonate-chlorite veinlet + ankerite alteration along edges
122.25	123.10																			Pervasive carbonate alteration zone (grey color)
122.58	122.68																			5% disseminated pyrite (very fine-grained) associated with fracture network
126.77	130.04																			Pervasive carbonate alteration zone (grey color). Contacts are gradational
132.89	133.60																			Pervasive carbonate alteration including carbonate-chlorite vein (tr pyrite)
141.88	142.22																			Broken core (due to weathering?)
146.48	148.63																			Pervasive carbonate alteration (ankerite); including locally tr pyrite
150.00	152.30																			Weak hematite alteration (orange-pink color)
153.33	156.44																			Weak hematite alteration (orange-pink color)
158.25	160.56																			Pervasive and strong hematite-carbonate alteration zone (orange-pink color)
169.55	175.10																			Pervasive hematite-(calcite) alteration zone (orange-pink color)
184.35	187.50																			Pervasive hematite-(calcite) alteration zone (orange-pink color)
187.50	192.20																			Pervasive carbonate-(sericite?) alteration zone (dark grey color)
192.20	195.50																			Pervasive and strong carbonate alteration zone; including shear/brecciated zone; chlorite-rich. Core is locally broken. Presence of leucoxene. Schistosity is well-developed (marked by chlorite); 30TCA
195.50	200.55																			Pervasive carbonate-(sericite?) alteration zone (dark grey color)
200.55	**350.00**	**149.45**																		**Altered granite**
																				Hematite-carbonate alteration. Presence of leucoxene (due to leaching?). Orange-pink color; locally chlorite-carbonate-rich (dark green color)
212.45	251.30																			Pervasive and strong carbonate alteration zone; including shear/brecciated zone; chlorite-rich. Schistosity is well-developed (marked by chlorite); 60TCA, locally down-dip. Locally tr jaspe xenolith (φ: 1 to 5mm)
244.40	245.25																			broken and partially broken core
273.03	273.04																			pyrite stringer; 25TCA
274.95	274.96																			pyrite stringer; 25TCA
275.77	275.78																			Pyrite stringer; 40TCA + strong chlorite-carbonate alteration associated (dark green color)
278.30	278.60																			Series of pyrite-chlorite veinlets (0.5cm-thick) at a 5cm interval; 25TCA. 2-3% pyrite

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358018 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-61-2010	EASTING:	451905 E, NAD83	INCLINATION:	-75
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	350m
START DATE:				CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensit			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	COMMENTS
279.92	279.94	Pyrite stringer; 20TCA
280.63	280.64	Pyrite stringer; 35TCA
280.80	281.05	Series of pyrite stringers (10 and 50TCA); at a 5 to 10cm interval
281.18	281.48	Mafic xenolith (chlorite-rich); including semi-massive pyrite
281.91	281.92	Pyrite stringer; 30TCA
283.52	283.85	Series of pyrite stringers; 30-40 TCA at a 10cm interval; 1-2% pyrite. Chlorite-carbonate alteration associated
284.21	284.37	Mafic xenolith including local pyrite stringer;15TCA
284.61	285.22	Mafic xenolith including 1-2% pyrite as stringers (15TCA) and disseminated grains
288.58	288.59	Pyrite stringer; 25TCA
308.00	308.15	Small aplite dyke (2.5cm-thick; 25TCA)
311.29	311.42	Small aplite dyke (8cm-thick; 40TCA)
350.00	EOH	

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GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	**NORTHING:**	5358018 N, NAD83	**AZIMUTH:**	240.00
HOLE NO:	CAR-61-2010	**EASTING:**	451905 E, NAD83	**INCLINATION:**	-75.00
LOGGED BY:	Eric Hebert	**ELEVATION:**	0.00	**FINAL DEPTH:**	350m
START DATE:	0.00			**CORE SIZE:**	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_	AU_G/TFA	AU_G/TFA	AU_G/TGI	AU_G/TN	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
J918703	81.50	82.30	0.80	shoulder	J918703	0.08	0	0	0	0.08	-0.2	1.17	27	30	-2	2.78	-0.5	11	10	15	2.42	0.15
J918704	82.30	83.00	0.70	shear zone	J918704	0.01	0	0	0	0.01	-0.2	0.97	9	40	-2	3.18	-0.5	7	5	8	1.99	0.17
J918705	83.00	84.00	1.00	shoulder	J918705	0.01	0	0	0	0.01	-0.2	1.11	8	20	-2	3.52	-0.5	8	6	17	2.33	0.14
J918706	121.50	122.25	0.75	shoulder	J918706	-0.01	0	0	0	0	-0.2	1.29	-2	30	-2	1.72	-0.5	11	15	11	2.42	0.13
J918707	122.25	123.10	0.85	5% diss py along fractures	J918707	-0.01	0	0	0	0	-0.2	1.22	2	20	-2	2.22	-0.5	13	13	4	2.62	0.12
J918708	123.10	124.00	0.90	shoulder	J918708	-0.01	0	0	0	0	-0.2	1.25	3	20	-2	1.36	-0.5	11	15	12	2.26	0.08
J918709	192.50	193.25	0.75	strong carb alt + shear zone chlorite rich	J918709	0.07	0	0	0	0.07	-0.2	1.99	-2	10	-2	0.37	-0.5	14	13	5	3.67	0.07
J918710	193.25	194.00	0.75	strong carb alt + shear zone chlorite rich	J918710	0.01	0	0	0	0.01	-0.2	2.07	2	-10	-2	0.59	-0.5	12	14	1	3.57	0.05
J918711	194.00	194.75	0.75	strong carb alt + shear zone chlorite rich	J918711	-0.01	0	0	0	0	-0.2	1.99	-2	10	-2	1.59	-0.5	13	12	2	3.52	0.08
J918712	194.75	195.50	0.75	strong carb alt + shear zone chlorite rich	J918712	0.01	0	0	0	0.01	-0.2	1.59	-2	10	-2	1.56	-0.5	11	9	3	2.93	0.11
J918713	233.00	234.00	1.00	strong carb alt + shear zone chlorite rich	J918713	0.03	0	0	0	0.03	-0.2	3.22	-2	-10	-2	1.06	-0.5	21	21	2	5.14	0.01
J918714	234.00	235.00	1.00	strong carb alt + shear zone chlorite rich	J918714	0.11	0	0	0	0.11	-0.2	2.59	-2	-10	-2	0.74	-0.5	16	22	1	4.21	0.02
J918715	235.00	236.00	1.00	strong carb alt + shear zone chlorite rich	J918715	-0.01	0	0	0	0	-0.2	1.4	-2	-10	-2	1.15	-0.5	8	17	5	2.23	0.01
J918716	236.00	237.00	1.00	strong carb alt + shear zone chlorite rich	J918716	-0.01	0	0	0	0	-0.2	2.72	-2	-10	-2	0.62	-0.5	16	20	1	4.38	0.01
J918717	237.00	238.00	1.00	strong carb alt + shear zone chlorite rich	J918717	-0.01	0	0	0	0	-0.2	3.23	-2	-10	-2	0.71	-0.5	17	19	2	4.93	0.01
J918718	272.00	272.75	0.75	shoulder UPDATE 13DEC2010	J918718	0.04	0	0	0	0.04	-0.2	2.22	2	-10	-2	1.34	-0.5	30	24	2	4.08	0.03
J918719	272.75	273.25	0.50	local py stringers	J918719	1.40	0	0	0	1.4	-0.2	2.26	2	-10	-2	0.82	-0.5	17	25	5	4.17	0.03
J918720	273.25	274.00	0.75	shoulder	J918720	0.05	0	0	0	0.05	-0.2	2.32	-2	-10	-2	1.36	-0.5	7	28	3	4.15	0.04
J918721	274.00	274.75	0.75	shoulder	J918721	0.01	0	0	0	0.01	-0.2	2.29	-2	-10	-2	1.59	-0.5	6	23	22	4.02	0.03
J918722	274.75	275.25	0.50	local py stringers	J918722	0.28	0	0	0	0.28	-0.2	2.78	3	-10	-2	1.78	-0.5	12	23	225	4.75	0.03
J918723	275.25	276.00	0.75	local py stringers	J918723	0.02	0	0	0	0.02	-0.2	3.21	5	-10	-2	2.19	-0.5	11	23	2	5.32	0.02
J918724	275.25	275.25	0.00	BlankCAR-38-2010, B.32, 132.00 - 132.50																		
J918725	275.25	275.25	0.00	Standard L																		
J918726	276.00	277.00	1.00	shoulder	J918726	0.37	0	0	0	0.37	-0.2	2.78	-2	-10	-2	2.07	-0.5	7	25	1	4.8	0.02
J918727	277.00	278.00	1.00	py vein/veinlets	J918727	0.02	0	0	0	0.02	-0.2	2.43	6	-10	-2	1	-0.5	8	24	1	4.35	0.02
J918728	278.00	278.75	0.75	shoulder	J918728	1.79	0	0	0	1.79	0.5	3.17	68	10	-2	0.58	-0.5	16	25	4	6.14	0.11
J918729	278.75	279.75	1.00	shoulder	J918729	0.01	0	0	0	0.01	-0.2	2.53	3	-10	-2	0.7	-0.5	8	24	1	4.45	0.03
J918730	279.75	280.25	0.50	py stringers	J918730	0.32	0	0	0	0.32	-0.2	3.17	24	-10	-2	1.01	-0.5	19	25	2	5.95	0.01
J918731	280.25	280.80	0.55	local py stringers	J918731	2.88	0	0	0	2.88	0.2	3.9	31	-10	-2	0.46	-0.5	18	23	1	6.79	0.05
J918732	280.80	281.50	0.70	semi-massive py vein mafic xenolith	J918732	>10.00	0	80	0	80	5.9	4.97	424	-10	17	0.24	0.8	61	17	13	15.2	0.03
J918733	281.50	282.25	0.75	local py stringers	J918733	0.23	0	0	0	0.23	0.2	3.04	16	-10	-2	0.61	-0.5	16	24	2	5.34	0.01
J918734	282.25	283.30	1.05	shoulder	J918734	0.82	0	0	0	0.82	-0.2	2.59	-2	-10	-2	2.86	-0.5	8	21	2	4.51	0.01
J918735	283.30	284.00	0.70	py stringers	J918735	0.37	0	0	0	0.37	0.2	5.3	15	-10	-2	0.75	-0.5	25	24	2	8.44	0.01
J918736	284.00	284.60	0.60	mafic xenolith local py stringers	J918736	0.38	0	0	0	0.38	-0.2	5.98	38	-10	-2	1.85	-0.5	31	30	2	9.27	-0.01
J918737	284.60	285.30	0.70	mafic xenolith local py veinlets	J918737	3.45	0	0	0	3.45	0.4	7.57	71	-10	-2	0.81	-0.5	45	29	3	12.25	-0.01
J918738	285.30	286.00	0.70	shouder	J918738	0.01	0	0	0	0.01	-0.2	2.6	3	-10	-2	2.56	-0.5	10	24	1	4.49	0.02
J918739	286.00	287.00	1.00		J918739	-0.01	0	0	0	0	-0.2	2.09	-2	-10	-2	0.82	-0.5	8	26	1	3.89	0.02
J918740	287.00	288.00	1.00		J918740	-0.01	0	0	0	0	-0.2	2.03	-2	-10	-2	1.06	-0.5	8	26	1	3.74	0.02
J918741	288.00	288.70	0.70	local py stringers	J918741	0.05	0	0	0	0.05	-0.2	2	-2	10	3	0.49	-0.5	13	26	1	3.63	0.03
J918742	288.70	289.50	0.80		J918742	-0.01	0	0	0	0	-0.2	1.83	-2	10	2	0.52	-0.5	7	24	-1	3.35	0.02

Sample Number	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
J918703	20	0.64	452	-1	-0.01	15	710	2	-2	0	78	-0.01	-10	-10	9	0	45
J918704	20	0.54	517	-1	-0.01	9	710	-2	-2	0	44	-0.01	-10	-10	4	0	24
J918705	20	0.6	489	1	0.03	15	680	5	-2	0	62	-0.01	-10	-10	6	0	32
J918706	20	0.77	398	-1	0.06	17	710	2	-2	0	70	0.12	-10	-10	32	0	56
J918707	30	0.79	413	-1	0.05	16	700	-2	-2	0	40	0.09	-10	-10	24	0	54
J918708	30	0.84	398	-1	0.05	17	760	-2	-2	0	70	0.12	-10	-10	34	0	59
J918709	20	1.69	264	1	0.04	17	950	-2	-2	0	7	0.01	-10	-10	38	0	59
J918710	20	1.87	311	-1	0.05	17	780	-2	-2	0	8	-0.01	-10	-10	46	0	53
J918711	30	1.49	373	2	0.04	18	850	-2	-2	0	26	-0.01	-10	-10	32	0	58
J918712	20	1.05	304	-1	0.05	15	920	-2	-2	0	25	0.02	-10	-10	22	0	54
J918713	20	3	436	2	0.05	25	920	-2	-2	0	6	-0.01	-10	-10	88	0	77
J918714	10	2.24	328	-1	0.05	22	860	-2	-2	0	7	-0.01	-10	-10	70	0	66
J918715	20	1.2	242	-1	0.07	11	840	-2	-2	0	10	0.02	-10	-10	47	0	31
J918716	10	2.43	315	-1	0.06	22	860	-2	-2	0	7	-0.01	-10	-10	71	0	71
J918717	10	3.28	392	-1	0.05	24	860	-2	-2	0	6	-0.01	-10	-10	80	0	80
J918718	30	1.53	444	-1	0.07	22	1020	-2	-2	0	13	0.09	-10	-10	62	0	62
J918719	20	1.52	415	1	0.07	22	1020	-2	-2	0	9	0.09	-10	-10	63	0	64
J918720	40	1.5	455	1	0.12	23	1050	-2	-2	0	15	0.13	-10	-10	71	0	63
J918721	40	1.52	454	-1	0.07	21	980	-2	-2	0	14	0.09	-10	-10	69	0	63
J918722	20	1.87	569	7	0.07	23	1060	2	-2	0	10	0.05	-10	-10	72	0	77
J918723	20	2.48	697	2	0.05	24	1050	-2	-2	0	9	0.01	-10	-10	81	0	99
J918724																	
J918725																	
J918726	20	1.96	554	1	0.07	22	1100	-2	-2	0	12	0.04	-10	-10	69	0	88
J918727	20	1.7	384	-1	0.06	23	1020	2	-2	0	8	0.07	-10	-10	66	0	73
J918728	10	2.5	458	2	0.04	29	1300	2	-2	0	6	0.02	-10	-10	85	0	135
J918729	10	1.71	385	-1	0.06	24	1090	-2	-2	0	6	0.05	-10	-10	70	0	97
J918730	10	2.43	498	-1	0.06	27	1130	-2	-2	0	7	0.02	-10	-10	95	0	114
J918731	10	3.62	533	1	0.05	29	1100	-2	-2	0	5	0.01	-10	-10	105	0	143
J918732	10	5.2	671	1	0.04	34	900	14	-2	0	3	0.01	-10	-10	142	0	202
J918733	10	2.32	425	-1	0.06	26	1120	-2	-2	0	5	0.01	-10	-10	88	0	119
J918734	10	1.85	573	-1	0.06	21	1040	-2	-2	0	10	0.01	-10	-10	62	0	93
J918735	10	5.71	657	1	0.04	32	1120	3	-2	0	5	0.01	-10	-10	139	0	146
J918736	10	6.63	858	-1	0.03	36	1200	-2	-2	0	9	0.01	-10	-10	179	0	146
J918737	10	8.27	1005	-1	0.02	42	1330	6	-2	0	7	0.01	-10	-10	234	0	170
J918738	10	1.86	594	-1	0.06	27	1180	-2	-2	0	11	0.03	-10	-10	79	0	71
J918739	20	1.28	341	-1	0.09	24	1180	-2	-2	0	10	0.13	-10	-10	73	0	58
J918740	30	1.3	362	-1	0.07	24	1120	-2	-2	0	9	0.12	-10	-10	72	0	57
J918741	20	1.28	332	1	0.07	22	940	-2	-2	0	8	0.09	-10	-10	66	0	54
J918742	10	1.17	318	1	0.06	20	910	-2	-2	0	7	0.09	-10	-10	55	0	49

GeoVector Management Inc. GEOLOGICAL LOG

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358196 N, NAD83	AZIMUTH:	240
HOLE NO:	CAR-62-2010	EASTING:	451638 E, NAD83	INCLINATION:	-75
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	656m
START DATE:		Line 6+92E; Station 5+52N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensity			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
0.00	3.35	3.35	OB																	Casing/Overburden
3.35	235.12	231.77																		Granite
																				Coarse-grained, light yellowish-green color due to a weak but pervasive epidotization/sauricitization.
																				Composition: Quartz (20%); Kspar (20%); Plagio (35%); Hornblende/chlorite (25%).
																				Including several carbonate-(goethite) veinlets with carbonate alteration along edges.
22.65	27.45																			Carbonate alteration zone (contacts are gradational); light grey color
23.34	23.60																			A 3cm-thick quartz-pyrite-chlorite vein (15TCA); weathered. 5-10% pyrite
28.70	29.00																			Broken core
40.34	40.70																			Pervasive hematite-carbonate alteration (pink color)
42.84	42.88																			A 3.5cm-thick quartz-(chlorite-epidote) vein; 85TCA
46.79	46.80																			A 1cm-thick quartz-(chlorite-epidote) vein; 90TCA
48.15	48.17																			A 2cm-thick quartz-(chlorite-epidote) vein; 60TCA
49.28	49.30																			A 2cm-thick quartz-(chlorite-epidote) vein; 60TCA
61.81	61.83																			A 2cm-thick quartz-(chlorite-epidote)-(carbonate) vein; 70TCA
72.40	72.44																			A 2cm-thick pyrite-quartz vein; 25TCA
73.65	73.76																			A 8cm-thick massive pyrite vein (45TCA) + quartz; including tr-1% chalcopyrite-pyrrhotite
74.88	74.89																			Pyrite stringer; 45TCA
76.11	76.13																			A 1cm-thick quartz-pyrite vein; 35TCA
77.59	77.60																			Carbonate-chlorite-pyrite veinlet; 30TCA
79.67	79.68																			Carbonate-chlorite-pyrite veinlet; 30TCA
80.63	80.64																			Fine quartz-pyrite stringer; 35TCA
82.41	82.42																			Fine carbonate-chlorite-pyrite stringer; 25TCA
82.78	82.79																			A 1cm-thick quartz-pyrite vein; 25TCA
83.29	83.31																			A 1cm-thick quartz-chlorite-pyrite vein; 25TCA
83.88	83.89																			Fine pyrite stringer; 25TCA
85.86	85.91																			A 3.5cm-thick pyrite-quartz-chlorite vein (seems sheared/mylonitized?); 55TCA
87.08	87.15																			Quartz vein; 80TCA
90.44	90.54																			Carbonate alteration zone associated with pyrite stringers (1-2% pyrite); 45TCA
95.58	96.12																			Series of pyrite stringers/veinlets at a 10cm interval; 15-30 TCA. 2-3% pyrite
97.06	97.07																			Pyrite stringer; 15TCA
97.58	97.59																			Pyrite stringer; 15TCA
97.83	97.88																			Down-dip pyrite stringer
111.20	111.24																			A 3cm-thick quartz-carbonate vein (80TCA) + hematite-carbonate alteration associated along edges
124.65	125.45																			Partially digested xenolith(?); porphyry origin
126.28	126.30																			A 2cm-thick quartz-pyrite vein (45TCA); 5% pyrite
128.40	129.60																			Pervasive carbonate alteration zone (grey color)
132.07	133.19																			Large xenolith; locally magnetic. Porphyric
134.35	136.00																			Weak hematite-carbonate alteration zone (contacts are gradational)
135.10	135.45																			Series of fine pyrite stringers (40TCA) and quartz-carbonate veinlets (70TCA) at a 5-10cm interval
150.15	150.50																			Partially broken core
150.75	155.00																			Pervasive hematite-carbonate alteration zone (pink color). Contacts are gradational
155.90	155.92																			A 2cm-thick quartz vein; 70TCA
158.50	163.30																			hematite-carbonate weak alteration (light pinkish-grey color). Contacts are gradational
166.50	169.00																			Granite is locally magnetic (disseminated magnetite grains)
178.35	187.30																			Pervasive carbonate alteration zone (locally + hematite) (dark grey to pinkish grey color). Contacts are gradational; locally tr pyrite
188.35	192.10																			Pervasive carbonate alteration zone (locally + hematite) (dark grey to pinkish grey color). Contacts are gradational; locally tr pyrite
197.70	200.50																			Weak carbonate-(hematite) alteration zone. Contacts are gradational
203.00	220.15																			Weak carbonate-(hematite) alteration zone including local carbonate tension gashes/veinlets. Contacts are gradational

GeoVector Management Inc. GEOLOGICAL LOG

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HOLE NO:	CAR-62-2010	EASTING:	451638 E, NAD83	INCLINATION:	-75
LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	656m
START DATE:		Line 6+92E; Station 5+52N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation					
										Alteration Intensity			CODE	Sulphide			Veins		
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy

From	To	Interval	COMMENTS
223.35	230.30		Weak carbonate-(hematite) alteration zone including local carbonate tension gashes/veinlets. Contacts are gradational
235.12	**255.00**	**19.88**	**QFP**
			Greenish color. Sericitized; including 2-3% disseminated pyrite as small aggregates of grains. Downhole contact 40TCA. Uphole contact at 35TCA
241.00	241.30		Fine pyrite stringer; down-dip
255.00	**263.30**	**8.30**	**Granite**
			Pervasive carbonate-sericite alteration (greenish-grey color)
260.00	260.20		Broken core
261.95	263.30		Brecciated zone, weathered(?); partially broken core
263.30	**264.50**	**1.20**	**QFP**
			Greenish color. Sericitized; including 2-3% disseminated pyrite as small aggregates of grains and as veinlets (at a 10-20cm interval; ankerite alteration along edges; 20TCA). Downhole contact 40TCA. Uphole contact at 35TCA
264.50	**325.20**	**60.70**	**Granite**
			Pervasive carbonate-sericite alteration (greenish-grey color)
264.50	269.37		Pervasive carbonate-hematite alteration zone (light pinkish-grey color)
273.34	273.39		A 4cm-thick chlorite-pink calcite-quartz vein + pyrite associated as alteration
275.10	275.35		A 1.5cm-thick quartz vein; 15TCA
279.58	279.59		A 1cm-thick quartz vein; 85TCA
281.80	281.83		A 3cm-thick quartz-carbonate vein; 85TCA
282.45	284.36		Weak hematite alteration zone (orange-pink color)
294.10	311.43		Pervasive and strong carbonate-(sericite) alteration zone (dark grey color). Contacts are gradational
300.70	301.35		Weak shear zone; including local pyrite veinlets; 40TCA
303.15	303.30		in situ breccia; including quartz-pyrite (5% pyrite)
316.45	316.49		Quartz vein; partially broken core
318.54	320.00		Pervasive carbonate-sericite alteration zone (dark grey color). Schistosity is down-dip
319.28	319.73		Down-dip quartz vein; partially broken core
320.40	321.65		Pervasive hematite-carbonate alteration zone (purple-ish red color). Contacts are gradational
321.25	321.35		A 6cm-thick quartz vein; 30TCA
325.20	**349.10**	**23.90**	**Altered granite**
			Hematite-carbonate alteration. Purple-ish red color. Contacts are gradational
349.10	**457.32**	**108.22**	**Granite**
			Including pervasive carbonate-sericite alteration zones (greenish-grey color)
349.10	351.58		Pervasive and strong carbonate alteration (dark grey color)
351.58	354.80		Series of mafic xenoliths and shear zones (including locally pink calcite and fuschite)
352.00	352.22		Zone with 5% fuschite
352.38	352.45		Shear/breccia zone; chlorite-rich; 60TCA
353.85	354.30		Mafic xenolith; sheared (15TCA)
354.80	358.43		Weak hematite-carbonate alteration zone (contacts are gradational)
356.77	356.83		A 2cm-thick quartz vein; 15TCA
368.70	371.00		Weak hematite-carbonate alteration zone (contacts are gradational)
383.00	383.88		Mafic xenolith; epidote-rich; tr pyrite
388.06	388.12		A 6cm-thick quartz vein; 85TCA
388.55	388.60		A 5cm-thick quartz-chlorite-carbonate vein; 80TCA
388.70	388.72		A 2cm-thick quartz-chlorite-carbonate vein; 60TCA
399.15	399.18		A 2.5cm-thick quartz vein; 85TCA

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LOGGED BY:	Eric Hebert	ELEVATION:		FINAL DEPTH:	656m
START DATE:		Line 6+92E; Station 5+52N		CORE SIZE:	NQ
FINISH DATE:					

Depth			Rock Type					Structure		ALTERATION				Mineralisation						
										Alteration Intensity			CODE	Sulphide			Veins			
From	To	Interval	Major Rock Code	Main Texture	2nd Texture	3rd Texture	4th Texture	Structure / Contact	ACA	Silicification	Sericite	Chlorite	Other Alt.	Sulphide Type	Sulphide %	Texture	Vein Mineralogy	Vein Type	Accessory Mineralogy	COMMENTS
413.75	415.00																			Pervasive hematite-carbonate alteration (purple-ish red color). Contacts are gradational
420.45	425.00																			Carbonate alteration zone (light grey color); including local carbonate veinlets/tension gashes. Contacts are gradational
425.47	425.53																			A 3cm-thick quartz-carbonate-chlorite vein; 80TCA
427.39	427.51																			A 12cm-thick quartz-(+chlorite) vein; 80TCA
427.55	431.20																			Carbonate alteration zone (light grey color); including local carbonate veinlets/tension gashes. Contacts are gradational
430.50	430.92																			5-7% pyrite as stringers/veinlets (at a 5cm interval); 25TCA
439.88	439.93																			A 3cm-thick quartz-chlorite vein; including 2-3% pyrite; 25TCA
444.57	444.61																			A 1cm-thick quartz vein; 15TCA
457.32	**510.75**	**53.43**																		**Altered granite**
																				Hematite-carbonate alteration. Purple-ish red color.
498.60	499.57																			Large chlorite-rich xenolith; fine-grained
500.30	501.36																			A 1cm-thick quartz vein; down-dip. Core is broken due to diamond drilling bit
508.40	510.75																			Contact zone (with the mafic volcanic rock unit); characterized by a chlorite-rich alteration and dislocated quartz veins (cm-thick scale)
510.75	**656.00**	**145.25**																		**Mafic volcanic rock**
																				Chlorite-rich; breccia-flow, pillow breccia and massive flow facies. Including several carbonate veinlets/tension gashes; contact at 25TCA
513.00	513.45																			Zone with tr-1% disseminated chalcopyrite and pyrite associated with a carbonate vein (20TCA)
522.20	522.41																			Granite dyke
528.35	528.72																			Series of cm-thick quartz-carbonate-chlorite veins/breccia veins; 30-45TCA
529.38	529.46																			Small granite dyke
531.06	531.17																			Aplite dyke
533.50	533.59																			Down-dip pyrite stringer
534.02	534.03																			Fine carbonate-pyrite stringer; 60TCA
534.85	535.32																			Pegmatite dyke (feldspar and quartz)
555.80	557.28																			Granite dyke; 10TCA
557.60	557.97																			Granite dyke; 25TCA
567.24	567.49																			"breccia?" vein; chlorite-epidote-rich + 10% clasts of quartz vein (or dislocated vein); 1% pyrite; 1% pyrrhotite
576.24	576.30																			Down-dip quartz vein + tr chalcopyrite
580.40	580.80																			Zone with several carbonate veinlet/tension gashes (45TCA); including 1-2% disseminated pyrrhotite
580.80	581.08																			Shear zone (35TCA); including carbonate xenoliths; tr pyrrhotite
582.82	583.30																			Quartz-chlorite-carbonate dislocated vein (25TCA); including 5-7% pyrrhotite + 1% chalcopyrite along edges.
587.75	587.78																			1% disseminated pyrrhotite
597.45	597.54																			Granite dyke
597.66	597.75																			Grainte dyke
600.86	601.11																			Down-dip vein (chlorite-rich); including 1-2% disseminated pyrrhotite; tr-1% chalcopyrite
602.87	602.96																			Down-dip vein (chlorite-rich); including 1-2% disseminated pyrrhotite; tr-1% chalcopyrite
610.46	611.00																			Aplite dyke; epidote-rich
613.37	614.00																			Xenolith of iron formation (chlorite-magnetite-chert); tr-1% pyrite
616.62	617.04																			Granite dyke
617.78	618.10																			Aplite dyke; epidotized; 5TCA
618.38	618.95																			Aplite dyke + quartz vein; epidotized; 20TCA. Tr disseminated pyrite
618.95	622.56																			Granite; pervasive carbonate-sericite alteration; including tr disseminated pyrite
622.08	622.35																			Quartz vein + strong sericite alteration associated along edges. Tr pyrite; 45TCA
652.58	652.72																			1-2% disseminated pyrite (euhedral grains)
656.00	**EOH**																			**EOH**

GeoVector Management Inc.

SAMPLE RECORDS

HOLE DESCRIPTION		HOLE LOCATION		HOLE ORIENTATION	
PROJECT:	Carscallen	NORTHING:	5358196 N, NAD83	AZIMUTH:	240.00
HOLE NO:	CAR-62-2010	EASTING:	451638 E, NAD83	INCLINATION:	-75.00
LOGGED BY:	Eric Hebert	ELEVATION:	0.00	FINAL DEPTH:	656m
START DATE:	0.00			CORE SIZE:	NQ
FINISH DATE:	0.00				

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	Assay Results SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
J918743	22.50	23.25	0.75	shoulder	J918743	-0.01	0	0	0	0	-0.2	1.78	-2	20	2	0.31	-0.5	8	15	6	2.85	0.06	20	1.83	226	1	0.04	16	670	-2	-2	0	11	0.08	-10	-10	50	0	58
J918744	23.25	24.00	0.75	local py vein	J918744	4.60	0	0	0	4.6	2	2.7	54	20	3	0.31	-0.5	19	34	96	4.86	0.1	10	3.6	257	2	0.03	23	800	-2	-2	0	6	0.03	-10	-10	80	0	50
J918745	24.00	25.00	1.00	shoulder	J918745	0.09	0	0	0	0.09	-0.2	1.75	7	10	-2	0.46	-0.5	8	16	20	2.82	0.04	10	1.83	222	2	0.06	17	740	-2	-2	0	6	0.06	-10	-10	45	0	53
J918746	71.00	72.00	1.00	shoulder	J918746	0.01	0	0	0	0.01	0.3	1.39	-2	30	3	1.44	-0.5	10	15	12	2.44	0.08	30	1.02	354	1	0.04	17	720	-2	-2	0	47	0.11	-10	-10	38	0	54
J918747	72.00	72.60	0.60	py vein 5-7% py	J918747	4.90	0	0	0	4.9	1.6	1.8	11	30	46	0.42	-0.5	19	14	39	3.72	0.1	20	1.86	297	1	0.04	19	760	3	-2	0	13	0.09	-10	-10	41	0	58
J918748	72.60	73.50	0.90	local py stringer	J918748	0.06	0	0	0	0.06	-0.2	2	3	30	4	0.38	-0.5	12	15	5	3.32	0.09	10	2.15	344	1	0.05	17	720	-2	-2	0	11	0.09	-10	-10	44	0	64
J918749	72.60	72.60	0.00	Blank CAR-51-2010, B.77, 341.50 - 342.00																																			
J918750	72.60	72.60	0.00	Standard H																																			
J918751	73.50	74.00	0.50	massive py vein	J918751	>10.00	0	22.7	0	22.7	2.7	1.37	206	10	93	0.29	0.6	16	10	730	8.92	0.11	10	1.23	245	1	0.03	12	560	17	-2	0	8	0.06	-10	-10	24	0	101
J918752	74.00	74.70	0.70	shoulder	J918752	0.01	0	0	0	0.01	-0.2	1.32	3	30	2	1.11	-0.5	11	14	12	2.41	0.08	20	0.99	334	1	0.04	16	690	-2	-2	0	37	0.1	-10	-10	40	0	53
J918753	74.70	75.35	0.65	local py vein	J918753	0.10	0	0	0	0.1	-0.2	1.42	9	30	3	1.26	-0.5	12	15	39	2.79	0.1	20	1	424	1	0.04	20	700	-2	-2	0	43	0.11	-10	-10	43	0	61
J918754	75.35	76.25	0.90	local qtz-py vein	J918754	0.49	0	0	0	0.49	-0.2	1.29	6	40	2	1.04	-0.5	11	14	91	2.43	0.11	20	0.89	373	1	0.04	17	750	-2	-2	0	41	0.11	-10	-10	37	0	58
J918755	76.25	77.00	0.75	shoulder	J918755	-0.01	0	0	0	0	-0.2	1.21	2	20	3	1.28	-0.5	10	16	18	2.24	0.07	30	0.89	403	1	0.02	16	750	-2	-2	0	40	0.09	-10	-10	30	0	56
J918756	77.00	77.90	0.90	local carb-py-chl veinlet	J918756	0.02	0	0	0	0.02	-0.2	1.28	-2	60	2	1.23	-0.5	10	15	17	2.25	0.14	20	0.9	374	1	0.04	16	730	-2	-2	0	46	0.11	-10	-10	33	0	56
J918757	77.90	79.00	1.10	shoulder	J918757	-0.01	0	0	0	0	-0.2	1.33	2	60	2	1.15	-0.5	11	14	10	2.23	0.14	20	0.95	381	1	0.05	17	780	-2	-2	0	52	0.12	-10	-10	37	0	60
J918758	79.00	80.00	1.00	local py-carb stringer	J918758	0.05	0	0	0	0.05	0.2	1.34	3	60	2	1.33	-0.5	11	15	13	2.39	0.16	20	0.96	424	1	0.04	18	780	-2	-2	0	50	0.12	-10	-10	35	0	67
J918759	80.00	81.00	1.00	shoulder	J918759	0.02	0	0	0	0.02	0.2	1.32	5	70	3	1.38	-0.5	10	14	26	2.32	0.18	20	0.92	404	1	0.04	18	760	-2	-2	0	51	0.11	-10	-10	37	0	64
J918760	81.00	82.00	1.00	shoulder	J918760	-0.01	0	0	0	0	-0.2	1.27	-2	90	2	0.95	-0.5	11	17	8	2.17	0.21	20	0.94	346	-1	0.04	19	760	2	-2	0	54	0.13	-10	-10	38	0	55
J918761	82.00	83.00	1.00	local qtz-py veinlets	J918761	0.09	0	0	0	0.09	0.2	1.26	2	50	-2	1.96	-0.5	10	17	40	2.52	0.11	20	0.84	403	-1	0.04	16	740	2	-2	0	50	0.1	-10	-10	34	0	50
J918762	83.00	83.50	0.50	qtz-py vein	J918762	0.18	0	0	0	0.18	0.4	1.22	12	50	2	1.5	-0.5	10	16	70	2.61	0.12	20	0.76	379	-1	0.03	16	720	2	-2	0	42	0.08	-10	-10	26	0	46
J918763	83.50	84.50	1.00	local py	J918763	0.02	0	0	0	0.02	-0.2	1.24	5	40	-2	1.95	-0.5	10	16	43	2.67	0.12	20	0.76	423	-1	0.03	15	720	-2	-2	0	44	0.07	-10	-10	25	0	47
J918764	84.50	85.50	1.00	shoulder	J918764	-0.01	0	0	0	0	-0.2	1.27	2	60	-2	1.84	-0.5	9	17	19	2.45	0.08	20	0.81	421	-1	0.04	16	720	-2	-2	0	59	0.1	-10	-10	37	0	53
J918765	85.50	86.00	0.50	qtz-py-chl vein	J918765	0.29	0	0	0	0.29	0.5	1.18	7	40	6	1.92	-0.5	10	16	49	2.64	0.1	20	0.73	386	-1	0.03	15	690	-2	-2	0	53	0.07	-10	-10	33	0	46
J918766	86.00	86.75	0.75	shoulder	J918766	-0.01	0	0	0	0	-0.2	1.31	-2	40	-2	2.18	-0.5	9	16	13	2.53	0.11	30	0.77	408	-1	0.04	15	700	2	-2	0	80	0.06	-10	-10	34	0	51
J918767	90.25	90.75	0.50	local py stringers	J918767	0.04	0	0	0	0.04	0.2	1.45	12	40	-2	0.93	-0.5	10	15	5	2.83	0.1	30	1.21	270	-1	0.03	15	700	-2	-2	0	18	0.08	-10	-10	30	0	46
J918768	94.75	95.50	0.75	shoulder	J918768	0.02	0	0	0	0.02	-0.2	2.44	2	20	-2	0.31	-0.5	11	21	-1	3.56	0.02	10	3.04	357	-1	0.04	19	810	-2	-2	0	8	0.08	-10	-10	59	0	75
J918769	95.50	96.15	0.65	py veinlets/stringers	J918769	0.52	0	0	0	0.52	0.3	3.09	53	10	3	0.28	-0.5	19	21	6	5.21	-0.01	10	4.21	378	-1	0.04	21	920	2	-2	0	6	0.05	-10	-10	96	0	85
J918770	96.15	96.90	0.75	shoulder	J918770	0.01	0	0	0	0.01	-0.2	3	2	10	-2	0.62	-0.5	12	22	-1	4.09	-0.01	10	4.13	411	-1	0.04	21	900	-2	-2	0	11	0.08	-10	-10	67	0	90
J918771	96.90	97.40	0.50	local py stringers	J918771	0.10	0	0	0	0.1	-0.2	2.48	4	10	-2	0.37	-0.5	13	22	1	3.86	-0.01	10	3.2	354	-1	0.05	20	930	-2	-2	0	8	0.07	-10	-10	68	0	70
J918772	97.40	98.00	0.60	py veinlets	J918772	0.46	0	0	0	0.46	0.4	2.55	45	10	4	0.37	-0.5	15	22	1	4.58	-0.01	10	3.27	354	-1	0.05	21	990	4	-2	0	7	0.06	-10	-10	82	0	72
J918773	98.00	99.00	1.00	shoulder	J918773	0.01	0	0	0	0.01	-0.2	2.09	-2	20	2	0.55	-0.5	9	19	-1	3.06	0.02	10	2.52	324	-1	0.04	17	790	-2	-2	0	11	0.09	-10	-10	54	0	62
J918774	98.00	98.00	0.00	Blank CAR-51-2010, B.77, 342.00 - 342.50																																			
J918775	98.00	98.00	0.00	Standard L																																			
J918776	124.65	125.45	0.80	large xenolith ?	J918776	-0.01	0	0	0	0	-0.2	1.62	-2	30	2	0.84	-0.5	11	5	21	3.16	0.07	40	1.42	344	-1	0.05	9	1690	2	-2	0	46	0.13	-10	-10	48	0	58
J918777	125.45	126.00	0.55	shoulder	J918777	-0.01	0	0	0	0	-0.2	1.68	-2	30	-2	0.51	-0.5	9	19	1	2.47	0.06	20	1.85	297	7	0.04	16	770	-2	-2	0	26	0.09	-10	-10	45	0	51
J918778	126.00	126.50	0.50	local py-qtz vein	J918778	0.25	0	0	0	0.25	0.3	1.68	19	40	3	0.32	-0.5	9	16	1	2.7	0.1	20	1.96	269	-1	0.03	15	720	-2	-2	0	16	0.08	-10	-10	37	0	49
J918779	126.50	127.00	0.50	shoulder	J918779	0.01	0	0	0	0.01	-0.2	1.91	3	30	-2	0.31	-0.5	9	17	2	2.74	0.06	20	2.32	322	3	0.04	16	740	-2	-2	0	15	0.06	-10	-10	44	0	61
J918780	134.35	135.00	0.65	shoulder	J918780	-0.01	0	0	0	0	-0.2	1.34	-2	40	-2	2.2	-0.5	9	16	16	2.6	0.11	20	0.83	424	-1	0.04	16	720	-2	-2	0	65	0.08	-10	-10	29	0	52
J918781	135.00	135.50	0.50	py stringers + qtz veinlets	J918781	0.25	0	0	0	0.25	0.2	1.24	13	50	-2	2.27	-0.5	13	10	26	2.79	0.18	20	0.72	386	4	0.03	14	730	2	-2	0	78	0.01	-10	-10	15	0	54
J918782	135.50	135.00	-0.50	shoulder	J918782	-0.01	0	0	0	0	-0.2	1.22	3	40	-2	2.27	-0.5	9	16	16	2.54	0.11	30	0.78	429	-1	0.03	15	740	-2	-2	0	72	0.05	-10	-10	28	0	54
J918783	234.00	235.12	1.12	shoulder UPDATE 14DEC2010	J918783	-0.01	0	0	0	0	-0.2	2.62	-2	10	-2	0.53	-0.5	12	24	-1	3.91	0.01	20	2.76	344	-1	0.06	23	970	8	-2	0	10	0.04	-10	-10	90	0	59
J918784	235.12	236.00	0.88	QFP	J918784	-0.01	0	0	0	0	-0.2	1.1	-2	10	-2	0.17	-0.5	4	10	-1	1.57	-0.01	10	1.07	123	-1	0.07	8	460	-2	-2	0	6	0.01	-10	-10	39	0	19
J918785	236.00	237.00	1.00	QFP	J918785	-0.01	0	0	0	0	-0.2	1.19	2	-10	-2	0.32	-0.5	4	10	-1	1.78	-0.01	10	1.16	126	-1	0.07	8	450	3	-2	0	6	0.02	-10	-10	45	0	20
J918786	237.00	238.00	1.00	QFP	J918786	-0.01	0	0	0	0	-0.2	0.79	-2	10	2	0.15	-0.5	3	10	-1	1.39	-0.01	-10	0.69	69	2	0.07	7	380	2	-2	0	6	0.01	-10	-10	30	0	13
J918787	238.00	239.00	1.00	QFP	J918787	-0.01	0	0	0	0	-0.2	0.92	2	10	-2	0.16	-0.5	5	10	-1	1.59	-0.01	10	0.83	76	2	0.07	7	370	3	-2	0	6	0.01	-10	-10	30	0	20
J918788	239.00	240.00	1.00	QFP	J918788	-0.01	0	0	0	0	-0.2	0.72	7	10	2	0.22	-0.5	4	10	-1	1.33	-0.01	10	0.68	66	-1	0.07	6	380	8	-2	0	7	0.01	-10	-10	25	0	10
J918789	240.00	241.00	1.00	QFP	J918789	0.01	0	0	0	0.01	0.2	0.99	13	20	2	0.11	-0.5	8	6	-1	1.76	0.05	-10	0.99	77	-1	0.06	8	360	3	-2	0	7	-0.01	-10	-10	20	0	7
J918790	241.00	242.00	1.00	QFP local downdip py stringers	J918790	0.01	0	0	0	0.01	0.2	0.94	13	10	2	0.17	-0.5	7	8	1	1.83	0.02	10	0.93	75	-1	0.06	7	370	16	-2	0	7	0.01	-10	-10	21	0	10
J918791	242.00	243.00	1.00	QFP	J918791	-0.01	0	0	0	0	-0.2	0.96	9	20	-2	0.23	-0.5	5	6	17	1.78	0.05	10	0.76	86	-1	0.05	7	370	20	-2	0	7	-0.01	-10	-10	16	0	6
J918792	243.00	244.00	1.00	QFP	J918792	-0.01	0	0	0	0	0.2	0.68	5	20	-2	1.22	-0.5	4	6	61	1.43	0.04	10	0.44	104	-1	0.05	6	370	33	-2	0	14	-0.01	-10	-10	15	0	3
J918793	244.00	245.00	1.00	QFP	J918793	-0.01	0	0	0	0	-0.2	0.76	7	20	-2	1.22	-0.5	5	14	15	1.53	0.07	10	0.44	105	-1	0.05	9	380	14	-2	0	15	-0.01	-10	-10	14	0	5
J918794	245.00	246.00	1.00	QFP	J918794	0.01	0	0	0	0.01	-0.2	0.82	6	30	-2	1.16	-0.5	4	6	4	1.66	0.08	10	0.47	108	-1	0.05	6	370	31	-2	0	15	-0.01	-10	-10	11	0	7
J918795	246.00	247.00	1.00	QFP	J918795	0.01	0	0	0	0.01	-0.2	0.8	6	20	-2	1.22	-0.5	5	5	5	1.54	0.08	10	0.5	109	-1	0.05	7	370	21	-2	0	16	-0.01	-10	-10	12	0	6
J918796	247.00	248.00	1.00	QFP	J918796	-0.01	0	0	0	0	-0.2	0.82	12	30	-2	0.83	-0.5	5	4	10	1.59	0.11	10	0.56	99	2	0.05	10	370	15	-2	0	9	-0.01	-10	-10	10	0	11
J918797	248.00	249.00	1.00	QFP	J918797	0.01	0	0	0	0.01	-0.2	0.76	15	30	-2	0.92	-0.5	5	1	3	1.39	0.11	10	0.54	87	1	0.06	8	370	7	-2	0	10	-0.01	-10	-10	10	0	9
J918798	249.00	250.00	1.00	QFP	J918798	-0.01	0	0	0	0	-0.2	1.12	7	30	-2	0.27	-0.5	5	3	2	1.68	0.11	10	1.11	82	1	0.05	7	370	3	-2	0	5	-0.01	-10	-10	11	0	13
J918799	249.00	249.00	0.00	Blank CAR-51-2010, B.77, 342.50 - 343.00																																			
J918800	249.00	249.00	0.00	Standard H																																			
J918801	250.00	251.00	1.00	QFP	J918801	0.01	0	0	0	0.01	-0.2	1.08	8	30	-2	0.36	-0.5	7	1	4	1.72	0.13	10	0.99	79	1	0.06	8	360	4	-2	0	6	-0.01	-10	-10	10	0	12
J918802	251.00	252.00	1.00	QFP	J918802	-0.01	0	0	0	0	-0.2	0.79	7	30	2	1.58	-0.5	4	1	5	1.41	0.13	10	0.45	116	-1	0.06	6	360	3	-2	0	16	-0.01	-10	-10	9	0	12
J918803	252.00	253.00	1.00	QFP	J918803	0.01	0	0	0	0.01	-0.2	0.75	8	30	2	1.89	-0.5	4	1	14	1.43	0.13	10	0.37	127	-1	0.05	6	360	4	-2	0	21	-0.01	-10	-10	7	0	9
J918804	253.00	254.00	1.00	QFP	J918804	-0.01	0	0	0	0	-0.2	0.81	8	40	2	2.23	-0.5	4	4	13	1.44	0.15	10	0.35	156	1	0.05	8	360	3	-2	0	20	-0.01	-10	-10	5	0	14
J918805	254.00	255.00	1.00	QFP	J918805	0.01	0	0	0	0.01	-0.2	0.74	13	40	2	2.06	-0.5	5	3	10	1.31	0.19	10	0.32	166	1	0.04	9	350	4	-2	0	23	-0.01	-10	-10	3	0	7
J918806	255.00	256.00	1.00	shoulder	J918806	-0.01	0	0	0	0	-0.2	1.42	5	40	3	2.57	-0.5	9	16	5	2.51	0.17	20	0.8	273	2	0.03	18	720	4	-2	0	23	-0.01	-10	-10	10	0	25
J918807	261.00	261.95	0.95	shoulder	J918807	-0.01	0	0	0	0	0.2	1.33	2	40	-2	3.11	-0.5	11	16	14	2.65	0.16	30	0.6	356	10	0.04	18	680	4	-2	0	37	-0.01	-10	-10	17	0	38
J918808	261.95	262.80	0.85	breccia zone weathered	J918808	-0.01	0	0	0	0	-0.2	0.92	3	30	2	4.01	-0.5	9	6	4	1.73	0.16	40	0.33	391	1	0.04	12	640	4	-2	0	38	-0.01	-10	-10	9	0	19
J918809	262.80	263.30	0.50	breccia zone weathered	J918809	0.01	0	0	0	0.01	-0.2	1.5	7	30	2	3.66	-0.5	13	1	5	2.77	0.18	20	0.47	363	2	0.03	16	700	4	-2	0	30	-0.01	-10	-10	11	0	21
J918810	263.30	264.00	0.70	QFP	J918810	-0.01	0	0	0	0	-0.2	0.88	14	40	2	2.53	-0.5	5	-1	9	1.67	0.17	10	0.33	236	6	0.04	6	390	3	-2	0	41	-0.01	-10	-10	4	0	15
J918811	264.00	264.50	0.50	QFP	J918811	-0.005					0.4	0.79	13	30	2	2	-0.5	9	5	17	1.7	0.14	10	0.33	209	-1	0.02	7	410	-2	-2		37	-0.01	-10	4	-10		17
J918812	264.50	265.00	0.50	shoulder	J918812	-0.005					0.2	1.43	3	30	-2	2.66	-0.5	10	15	12	2.92	0.12	20	0.72	299	-1	0.02	15	720	2	-2		33	-0.01	-10	15	-10		40
J918813	303.50	304.50	1.00	1-2% py	J918813	0.028					0.3	1.28	7	40	-2	2.92	-0.5	24	12	136	3.64	0.13	30	0.85	546	-1	0.03	17	880	-2	-2		69	0.09	-10	25	-10		55
J918814	300.00	300.70	0.70	shoulder	J918814	-0.005					0.2	1.24	5	30	-2	2.85	-0.5	9	16	16	2.6	0.12	30	0.72	406	-1	0.02	13	710	-2	-2		91	0.01	-10	13	-10		42
J918815	300.70	301.35	0.65	weak shear zone + py stringers	J918815	1.485					1.2	1.1	43	40	18	2.77	-0.5	14	7	29	3.29	0.21	20	0.61	348	-1	-0.01	13	710	7	-2		67	-0.01	-10	6	-10		38
J918816	301.35	302.00	0.65	shoulder	J918816	0.011					0.2	1.38	11	40	2	2.2	-0.5	8	8	19	2.55	0.21	30	0.8	347	-1	0.01	16	860	2	-2		43	-0.01	-10	7	-10		41
J918817	302.00	303.00	1.00	shoulder	J918817	0.012					0.2	1.2	13	30	2	2.75	-0.5	8	8	24	2.45	0.16	30	0.71	426	-1	0.01	14	770	2	-2		83	-0.01	-10	7	-10		38
J918818	303.00	303.50	0.50	local in situ breccia	J918818	0.095					0.5	1.21	28	30	-2	3.72	-0.5	11	7	58	3.23	0.18	20	0.72	497	-1	0.01	13	640	3	-2		109	-0.01	-10	8	-10		37
J918819	303.50	304.50	1.00	shoulder	J918819	0.022					-0.2	1.41	8	30	-2	2.22	-0.5	11	14	15	2.8	0.16	20	0.86	318	1	0.02	15	800	-2	-2		43	-0.01	-10	16	-10		42
J918820	351.00	351.58	0.58	Shoulder	J918820	-0.005					-0.2	2.7	-2	60	-2	0.7	-0.5	14	12	5	3.75	0.07	30	2.84	307	-1	0.02	17	770	-2	-2		12	-0.01	-10	38	-10		47
J918821	351.58	352.50	0.92	up to 5% fuschite	J918821	0.023					0.5	4.68	4	20	-2	8.1	-0.5	27	512	1	6.15	0.07	30	4.72	1070	-1	0.01	111	2170	2	-2		138	0.01	-10	119	-10		102
J918822	352.50	353.20	0.70	Shoulder	J918822	0.338					-0.2	2.35	3	20	-2	2.49	-0.5	15	19	4	3.4	0.05	50	2.28	486	1	0.03	22	1090	2	-2		38	-0.01	-10	44	-10		44
J918823	353.20	353.80	0.60	shoulder	J918823	0.016					-0.2	1.73	4	30	-2	3.7	-0.5	11	8	14	2.72	0.09	40	1.4	534	-1	0.03	17	1020	-2	-2		54	-0.01	-10	26	-10		30
J918824	353.80	353.80	0.00	Blank	J918824	-0.005					-0.2	2.18	2	10	-2	2.66	-0.5	12	23	-1	3.78	0.03	40	1.75	536	1	0.07	22	1060	-2	-2		10	0.13	-10	69	-10		61
J918825	353.80	353.80	0.00	Standard-L	J918825	0.079					0.2	1.63	-2	60	-2	0.73	-0.5	20	53	25	3.06	0.37	10	1.43	428	1	0.61	70	1050	5	-2		173	0.38	-10	48	-10		40
J918826	353.80	354.30	0.50	Mafic xenolith + shear	J918826	0.017					0.2	4.36	7	10	-2	5.89	-0.5	27	616	14	5.78	0.06	30	4.37	850	-1	0.01	126	2150	3	-2		114	0.01	-10	114	-10		106
J918827	354.30	354.80	0.50	Mafic xenolith	J918827	0.008					-0.2	2.17	4	20	-2	4.79	-0.5	14	135	38	3.6	0.07	30	1.66	616	-1	0.03	44	1150	-2	-2		61	0.01	-10	59	-10		55

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FINISH DATE: 0.00

Sample Number	Depth From	Depth To	Sample Interval	Rock Code Comment	SAMPLE_I	AU_G/TFA	AU_G/TFA	AU_G/TGR	AU_G/TM	AU_G/TFIN
J918828	354.80	355.80	1.00	shoulder	J918828	0.007				
J918829	429.75	430.50	0.75	shoulder	J918829	0.071				
J918830	430.50	431.00	0.50	5-7% pyrite as veinlets and stringers	J918830	2.2				
J918831	431.00	431.75	0.75	Shoulder	J918831	0.009				
J918832	439.70	440.20	0.50	Quartz-(pyrite) vein	J918832	-0.005				
J918833	506.00	507.00	1.00	Shoulder	J918833	-0.005				
J918834	507.00	507.75	0.75	Granite; contact zone (with mafic volcanic rocks)	J918834	-0.005				
J918835	507.75	508.40	0.65	Granite; contact zone (with mafic volcanic rocks)	J918835	-0.005				
J918836	508.40	509.25	0.85	Granite; contact zone (with mafic volcanic rocks)	J918836	-0.005				
J918837	509.25	510.00	0.75	Granite; contact zone (with mafic volcanic rocks)	J918837	-0.005				
J918838	510.00	510.75	0.75	Granite; contact zone (with mafic volcanic rocks)	J918838	0.009				
J918839	510.75	511.50	0.75	Mafic volcanic rock; contact zone (with granite)	J918839	-0.005				
J918840	511.50	512.25	0.75	Mafic volcanic rock; contact zone (with granite)	J918840	-0.005				
J918841	512.25	513.00	0.75	Mafic volcanic rock; contact zone (with granite)	J918841	0.017				
J918842	513.00	513.60	0.60	Mafic volcanic rock; tr CPY; tr PY	J918842	0.027				
J918843	513.60	514.50	0.90	Shoulder	J918843	0.109				
J918844	532.50	533.25	0.75	Shoulder	J918844	-0.005				
J918845	533.25	534.10	0.85	Local pyrite stringers	J918845	0.008				
J918846	534.10	534.70	0.60	Shoulder	J918846	-0.005				
J918847	566.00	567.00	1.00	Shoulder	J918847	-0.005				
J918848	567.00	567.50	0.50	1-2% pyrite	J918848	0.013				
J918849	567.50	567.50	0.00	Blank	J918849	0.012				
J918850	567.50	567.50	0.00	Standard-H	J918850	3.73				
J918851	567.50	568.50	1.00	Shoulder	J918851	-0.005				
J918852	579.50	580.40	0.90	Shoulder	J918852	-0.005				
J918853	580.40	581.30	0.90	Local shear zone	J918853	0.206				
J918854	581.30	582.70	1.40	Shoulder	J918854	-0.005				
J918855	582.70	583.30	0.60	Up to 5% pyrrhotite; 1% CPY	J918855	3.57				
J918856	583.30	584.00	0.70	Shoulder	J918856	0.022				
J918857	600.00	600.70	0.70	Shoulder	J918857	0.021				
J918858	600.70	601.30	0.60	1% PO; tr CPY	J918858	0.114				
J918859	601.30	602.00	0.70	Shoulder	J918859	-0.005				
J918860	612.80	613.30	0.50	Shoulder	J918860	0.006				
J918861	613.30	614.00	0.70	iron formation xenolith (chert-magnetite-chlorite); tr-1% PY	J918861	0.146				
J918862	614.00	614.50	0.50	Shoulder	J918862	-0.005				
J918863	618.38	619.00	0.62	Granite; tr PY	J918863	-0.005				
J918864	619.00	620.00	1.00	Granite; tr PY	J918864	-0.005				
J918865	620.00	621.00	1.00	Granite; tr PY	J918865	-0.005				
J918866	621.00	622.00	1.00	Granite; tr PY	J918866	0.009				
J918867	622.00	622.56	0.56	Granite + qtz vein (+sericite alteration); tr PY	J918867	-0.005				
J918868	622.56	623.25	0.69	Shoulder	J918868	-0.005				

Assay Results

SAMPLE_I	AG_PPM	AL_PPM	AS_PPM	BA_PPM	BI_PPM	CA_PPM	CD_PPM	CO_PPM	CR_PPM	CU_PPM	FE_PCT	K_PCT
J918828	-0.2	1.84	3	20	-2	2.07	-0.5	14	27	11	3.45	0.07
J918829	-0.2	1.16	5	50	-2	2.23	-0.5	9	15	34	2.43	0.16
J918830	0.8	0.87	47	60	6	1.18	-0.5	10	8	440	3.46	0.27
J918831	-0.2	1.21	-2	30	-2	1.89	-0.5	9	15	17	2.39	0.1
J918832	-0.2	1.55	4	50	-2	0.69	-0.5	9	15	2	2.3	0.13
J918833	0.3	2.31	2	10	-2	4.72	-0.5	17	21	-1	4.1	0.01
J918834	0.2	2.97	5	20	-2	2.05	-0.5	20	25	-1	5.39	0.08
J918835	-0.2	2.94	10	20	-2	1.62	-0.5	20	33	6	4.68	0.09
J918836	0.2	2.69	-2	30	-2	3.84	-0.5	18	26	51	4.24	0.12
J918837	-0.2	1.91	4	10	-2	1.55	-0.5	14	18	1	2.88	0.05
J918838	-0.2	1.62	2	10	-2	1.35	-0.5	11	16	4	2.74	0.04
J918839	0.2	3.55	17	10	-2	5.08	-0.5	39	148	23	5.64	0.09
J918840	0.2	3.51	20	20	-2	4.63	-0.5	42	190	66	5.9	0.1
J918841	0.2	2.98	20	20	-2	4.53	-0.5	39	156	93	5.09	0.09
J918842	0.6	4.32	14	30	-2	6.13	-0.5	46	248	1765	7.61	0.12
J918843	1	4.05	62	10	-2	4.3	-0.5	57	356	299	7.49	0.02
J918844	-0.2	3.28	9	-10	-2	1.47	-0.5	48	273	51	5.99	0.02
J918845	0.3	3.85	6	10	-2	2.91	-0.5	55	240	183	7.8	0.07
J918846	-0.2	3.09	3	10	-2	2.12	-0.5	37	214	20	5.44	0.02
J918847	-0.2	2.92	11	10	-2	1.79	-0.5	47	229	74	5.24	0.04
J918848	0.5	2.99	5	10	-2	2.18	-0.5	51	145	264	7.32	0.05
J918849	-0.2	2.08	4	10	-2	2.38	-0.5	12	29	3	3.72	0.02
J918850	0.2	1.24	-2	80	-2	0.56	-0.5	15	44	20	2.4	0.32
J918851	-0.2	2.27	14	10	-2	1.36	-0.5	45	222	22	3.87	0.04
J918852	0.4	3.07	63	10	-2	4.62	-0.5	52	264	57	5.37	0.06
J918853	1.4	3.19	308	40	-2	5.31	8	42	143	120	5.95	0.25
J918854	0.5	3.66	42	10	-2	3.89	-0.5	50	238	133	6.71	0.07
J918855	2.5	1.95	27	30	93	6.7	-0.5	51	86	318	8.32	0.16
J918856	0.8	3.31	113	10	-2	3.56	1.5	59	217	275	6.02	0.07
J918857	0.2	2.82	33	30	-2	2.77	-0.5	59	219	65	5.02	0.08
J918858	1.4	2.32	5	10	-2	3.77	-0.5	107	158	1070	6.9	0.02
J918859	0.2	2.17	20	20	-2	1.43	-0.5	45	214	87	3.68	0.04
J918860	-0.2	1.93	17	10	-2	1.32	-0.5	32	145	85	3.23	0.01
J918861	0.4	2.45	5	80	-2	2.64	-0.5	18	105	143	7.61	0.16
J918862	-0.2	2.56	10	20	-2	2.27	-0.5	30	146	68	4.87	0.07
J918863	-0.2	0.58	3	30	-2	0.99	-0.5	6	22	33	1.06	0.05
J918864	0.2	1.05	3	40	-2	1.52	-0.5	7	15	63	2.17	0.08
J918865	0.3	0.59	3	80	-2	1.59	-0.5	5	8	63	1.22	0.11
J918866	0.4	1.26	14	50	-2	2.35	-0.5	16	11	235	2.74	0.13
J918867	-0.2	0.89	7	60	-2	2.3	-0.5	9	4	112	1.87	0.13
J918868	-0.2	2.06	8	40	-2	2.72	-0.5	12	1	12	4.32	0.13

SAMPLE_I	LA_PPM	MG_PCT	MN_PPM	MO_PPM	NA_PCT	NI_PPM	P_PPM	PB_PPM	SB_PPM	SN_PPM	SR_PPM	TI_PCT	U_PPM	V_PPM	W_PPM	Y_PPM	ZN_PPM
J918828	30	1.31	324	-1	0.03	21	890	-2	-2		24	-0.01	-10	45	-10		47
J918829	30	0.67	399	-1	0.02	14	670	-2	-2		43	0.08	-10	13	-10		40
J918830	20	0.44	229	1	-0.01	12	680	4	-2		20	0.04	-10	7	-10		23
J918831	30	0.74	396	1	0.02	14	690	2	-2		56	0.11	-10	26	-10		43
J918832	20	1.54	293	6	0.04	12	600	2	-2		16	0.08	-10	32	-10		40
J918833	10	2.06	682	-1	0.04	27	1040	-2	-2		109	0.09	-10	48	-10		58
J918834	20	2.85	704	-1	0.04	35	1270	-2	-2		36	0.09	-10	58	-10		71
J918835	20	2.88	669	-1	0.03	34	1210	-2	-2		13	0.11	-10	54	-10		67
J918836	20	2.07	870	-1	0.01	39	640	-2	-2		38	0.12	-10	46	-10		60
J918837	30	1.51	450	-1	0.04	19	890	-2	-2		51	0.17	-10	37	-10		46
J918838	20	1.14	430	-1	0.02	17	760	-2	-2		38	0.12	-10	27	-10		40
J918839	10	2.53	1205	1	-0.01	148	310	-2	-2		46	0.15	-10	59	-10		94
J918840	-10	2.3	1250	2	-0.01	173	190	2	-2		41	0.15	-10	63	-10		96
J918841	-10	1.92	1090	-1	-0.01	151	170	-2	-2		41	0.12	-10	54	-10		78
J918842	-10	3.04	1605	27	0.01	184	170	2	-2		19	0.13	-10	158	-10		118
J918843	-10	2.75	1565	2	0.02	176	150	-2	-2		17	0.13	-10	221	-10		127
J918844	-10	1.97	1245	-1	0.01	182	190	-2	-2		21	0.19	-10	92	-10		70
J918845	-10	2.35	1490	-1	0.01	174	150	3	-2		21	0.16	-10	99	10		78
J918846	-10	2.06	1010	1	0.03	139	200	-2	-2		19	0.21	-10	84	-10		64
J918847	-10	1.8	1065	-1	0.03	162	180	-2	-2		14	0.22	-10	103	-10		62
J918848	-10	1.76	1230	2	0.01	124	130	-2	-2		9	0.13	-10	72	-10		61
J918849	30	1.66	497	-1	0.04	25	1000	-2	-2		9	0.11	-10	66	-10		59
J918850	10	1.18	344	1	0.49	55	860	4	-2		121	0.28	-10	35	-10		32
J918851	-10	1.34	797	-1	0.04	147	190	-2	-2		13	0.23	-10	87	-10		51
J918852	-10	1.8	1175	-1	0.02	186	200	-2	-2		18	0.18	-10	120	-10		73
J918853	-10	1.75	1215	-1	0.01	155	220	81	-2		10	0.1	-10	65	-10		537
J918854	-10	2.22	1345	-1	0.02	165	170	3	-2		11	0.16	-10	111	-10		114
J918855	-10	1.04	1085	-1	0.01	159	110	21	-2		15	0.05	-10	39	-10		55
J918856	-10	2.12	1255	-1	0.01	172	140	6	-2		16	0.15	-10	96	-10		145
J918857	-10	1.68	1050	-1	0.01	186	210	-2	-2		10	0.18	-10	78	-10		65
J918858	-10	1.38	965	1	0.01	160	150	3	2		11	0.08	-10	86	-10		66
J918859	-10	1.34	783	-1	0.02	167	150	-2	-2		11	0.16	-10	68	-10		55
J918860	-10	1.27	637	-1	0.02	96	200	-2	-2		12	0.15	-10	58	-10		50
J918861	-10	1.2	1265	1	0.03	62	80	-2	-2		10	0.1	-10	61	-10		70
J918862	-10	1.58	920	2	0.02	108	190	-2	-2		16	0.16	-10	62	-10		69
J918863	20	0.29	178	1	0.03	13	100	-2	-2		15	0.06	-10	11	-10		15
J918864	50	0.52	314	1	0.03	11	420	-2	-2		16	0.09	-10	21	-10		35
J918865	80	0.23	191	1	0.04	6	250	3	-2		17	0.05	-10	8	-10		31
J918866	40	0.56	311	1	0.02	13	550	-2	-2		20	0.04	-10	13	-10		40
J918867	20	0.35	283	1	0.02	4	340	-2	-2		17	0.02	-10	4	-10		25
J918868	20	0.87	512	1	0.03	-1	710	-2	-2		25	0.05	-10	7	-10		66