

Gary Williams July 6/83

DRILL HOLE LOG

ELDORADO
ELDORADO NUCLEAR LIMITED

PROJECT 561

METRES				DIP TESTS		LATITUDE		DEPARTURE	
TBST	FROM	TO	TOTAL	DIP	CORR.	CUM.	CUM.	CUM.	CUM.
7.6	0	22.1	22.1	-51	-48				
36.6	22.1	52.1	30.0	-50	-44				
67.1	52.1	82.3	30.1	-49	-43				
97.5	82.3	113.6	31.3	-49	-43				
129.6	113.6	129.6	16.0	-48	-42				

LOCATION 9+08W/1+20N
SECTION
LATITUDE
DEPARTURE
ELEVATION
CORE BQ/NQ
STORAGE Doubtful L. camp

HOLE No. 561-83-01
AZIMUTH 046°
DIP -50°
LENGTH 129.5m
PURPOSE test cond. I.F.
COMPLETED March 16/83
LOGGED BY G. Williams

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
0.0	6.6	OVERBURDEN					
6.6	10.4	METASEDIMENTS Colour: light green to medium grey; white Hardness: 2 to 7 Composition: 30% quartz, 10% garnet, 60% altered mafics, minor sulphides Finely bedded metasediments. Beds consist of garnet-rich bands with a matrix of fine-grained dark green chlorite (+ pale yellow amphibole needles) alternating with bands of lighter green chloritized iron-rich mafics and white quartz beds. Garnetiferous bands to 5cm wide with euhedral red garnets to 2mm across. Minor stretching of garnets parallel foliation seen locally. Mafic bands are aphanitic to fine-grained and consist of amphiboles, micas and chlorites. Garnet bands throughout sequence; consist of pure white quartz with minor interstitial chlorite or amphibole. Sulphides rare in quartz (to 1% locally, pyrrhotite and minor pyrite). Unit is non-magnetic to approximately 8.5m and competent throughout as only minor fractures crosscut the bedding. Bedding oriented at 60° to 65° to the core axis. At 8.1m, minor dark blue copper stain on fracture surface.					
			6.6	8.5	1.9	1151A	NIL (16 ppm As)
			8.5	10.4	1.9	1152A	NIL (7 ppm As)
			6.6	14.3	7.7	13151	(sludge) 20
10.4	19.8	BANDED IRON FORMATION - OXIDE FACIES Colour: light grey to off-white overall Hardness: 2 to 7 Composition: 50% quartz, 25% altered mafics, 18% magnetite, 5% garnet, 2% sulphides. Alternate whitish to light grey bands throughout. White quartz bands with grey colouration due to increased magnetite (+ altered mafic) content. Magnetite throughout; magnetite concentrated in grey bands of quartz.					
			10.4	13.4	3.0	1153A	NIL (24 ppm As)
			14.3	19.2	5.1	13152	(sludge) 30

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JUL 12 1983

MINING LANDS SECTION

HOLE NO. 561-83-01



010

METRES		DESCRIPTION	CORE SAMPLES					
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)	
		Bedding at 65° to core axis. Unit competent throughout with minor fractures at 40° to core axis and crosscutting the bedding. Minor concentrations of green chlorite and yellowish amphibole locally; associated with partially altered garnets. At 10.8m, fracture with rusty brown calcite crystals (1mm wide). Sulphides disseminated throughout quartz-rich zones, but locally concentrated. Rarely occur as blebs or along fractures crosscutting bedding. Predominantly pyrrhotite plus pyrite; minor chalcopryrite and copper stain locally. At 11.3m, 2 bands to 5mm across containing quartz grains with up to 20% interstitial pyrrhotite with 5% chalcopryrite concentrated along edges. At 14.7m, 1mm wide fracture; possibly filled with magnetite and oriented at 30° to core axis. At 15.0m, 2mm wide vein of pyrrhotite (chalcopryrite minor). Beds of quartz now fractured (sub-parallel core axis) with fractures resealed with pyrrhotite. From 14.7 to 15.2m - sulphide-rich zone. Bedding consistent at 60-65° to core axis. Beds of uniform width across core and up to 1cm wide. Unit strongly magnetic throughout with minor local variations. Sulphide content also varies over short distances. At 15.6 to 15.8m, dark band of very fine-grained magnetite; bedding poorly preserved; only minor impurities present. At 15.9m, a 1cm bed of green chlorite and relict garnets. At 16.8m, a significant decrease in volume of drill return. At 17.4 to 17.5m, magnetite-rich zone; beds of relict garnets present. At 19.1m, a small fracture at 30° to core axis.						
			13.4	16.6	3.2	1154A	NIL (19 ppm As)	
			16.6	19.8	3.2	1155A	10 (53 ppm As)	
19.8	21.8	<u>SULPHIDE FACIES IRON FORMATION</u> Colour: Dark grey Hardness: 3 to 4 Composition: 30% sulphides (pyrrhotite and pyrite), 20% quartz, 40% argillaceous material and 10% garnets (and alteration products).						
		Bedding at 70° to core axis. Beds to 1cm thick of pyrrhotite (+ pyrite) alternating with quartz-rich bands, garnet-rich bands and dark grey, very fine-grained argillaceous material. Moderately magnetic due to pyrrhotite content; sulphide bands very magnetic. Irregular blebs of white calcite associated with garnetiferous beds. Quartz beds fractured sub-parallel to core axis where 1cm wide and more. Contact with above unit gradational over 15cm.	19.8	21.8	2.0	1156A	20 (45 ppm As)	
			19.2	26.2	7.0	13153	(sludge) 30	

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp.	Gold (ppb)
21.8	27.6	<p><u>OXIDE FACIES IRON FORMATION</u> Similar to interval 10.4-19.8m; sulphide content increased to 10% locally. At 23.6m, a 15mm wide pyrrhotite band; 75% sulphide. At 23.9-24.0m, numerous narrow (2-3mm) wide bands of pyrrhotite; quartzite-rich zones bordering zone cut by sulphide-filled fractures parallel to core axis. At 25.1 to 25.2m, moderate folding, fracturing present; quartz clasts in sulphide matrix; minor (less than 1mm) offsets along some fractures. At 25.5m, 15mm band of pyrrhotite. At 25.7 to 25.8m, similar to interval 25.1-25.2m. At 25.1-27.5m, sulphide content averages 10% to 15% throughout this zone; still strongly magnetic throughout.</p>					
			21.8	24.7	2.9	1157A	10 (23 ppm As)
			24.7	27.6	2.9	1158A	NIL (7 ppm As)
27.6	31.6	<p><u>FELSIC TUFF</u> Colour: light grey, uniform throughout Hardness: 3 to 7 Composition: crystal fragments 30% of rock (80% feldspar/20% quartz); matrix 60% of rock; micaceous bands 10%. Unit consists of anhedral to rarely euhedral crystal fragments of feldspars and minor quartz (to 5mm in size). Matrix very fine-grained to aphanitic; felsic in composition. Non-magnetic; massive throughout. Few sulphides visible (less than 1% overall); minor chalcopyrite texture to rock at approximately 65° to the core axis. Locally, bands of light green micaceous, chloritic material are found at an angle of 65° to the core axis. Upper and lower contacts gradational over about 5cm.</p>					
			27.6	29.6	2.0	1159A	NIL (41 ppm As)
			29.6	31.6	2.0	1160A	NIL (1 ppm As)
			26.2	32.3	6.1	1315A	(sludge) 50
31.6	32.5	<p><u>BANDED IRON FORMATION - OXIDE FACIES</u> Similar to interval 21.8-27.6m. Very distinct beds to 1cm wide oriented at 60-65° to core axis. Magnetite throughout but concentrated in dark, aphanitic bands. Minor pyrrhotite visible.</p>					
			31.6	32.5	0.9	1161A	NIL (16 ppm As)
32.5	35.1	<p><u>FELSIC TUFF</u> Similar to interval 27.6-31.6m.</p>					
			32.5	35.1	2.6	1162A	NIL (1 ppm As)

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METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp.	Gold (ppb)
35.1	38.4	<p>BANDED IRON FORMATION - OXIDE FACIES Similar to interval 31.6-32.5m. Extremely well banded; alternating light grey quartz-rich beds and dark magnetite-rich beds. Minor (less than 2%) sulphides locally.</p>	32.3	38.4	6.1	1315A	70/40 (sludge)
			35.1	38.4	2.7	1163A	60/40 (7 ppm As)
38.4	40.5	<p>FELSIC TUFF Similar to interval 32.5-35.1m.</p>	38.4	40.5	2.1	1164A	NIL (3 ppm As)
40.5	92.9	<p>BANDED IRON FORMATION - OXIDE FACIES Similar to interval 35.1-38.4m. Distinct and alternating beds of quartz-rich, magnetite-rich and fine-grained amphibole; some sulphides (less than 2%) associated with amphibole beds; minor magnetite also; size and concentration of beds varies locally. At 43.9m, lost all return. At 44.2m calcite veinlet oriented at 30° to core axis. At 44.2-44.4m, numerous beds rich in pyrrhotite (to 60%). At 46.9-47.6m, band of fine-grained, radiating amphiboles with 15% relict garnets. At 48.5m, small (less than 2mm) fractures infilled with calcite oriented at 30° to core axis. At 54.3-54.7m, zone of veining and minor faulting; veins to 5mm wide oriented subparallel core axis; vein material consists of calcite or quartz plus chloritized fragments; fragments in both vein types angular; minor (less than 1cm) offsets in bedding visible along fractures. At 55.2m, a small (2mm) wide calcite fracture at 50° to core axis. At 55.8-55.9m, a zone of fracturing and minor brecciation; introduction of calcite and minor sulphides. At 56.7m, a 2mm wide fracture at 30° to core axis; infilled with calcite and magnetite; bordered by pyrrhotite. At 58.1m minor graphite on small fracture surface. At 58.2m, minor contortions in quartz bedding over 5cm width. At 62.1m, a 1cm wide sulphide-rich bed (to 60% pyrrhotite). At 63.0m, bedding at 65° to core axis. At 67.4-67.7m, bedding contorted and near-parallel to core axis over this interval; no associated faulting or veining. Relatively little sulphide in this unit compared to similar units above. Increase in number and width (to 15mm) of amphibole-rich beds; magnetite concentrated in these beds when disseminated through unit; occurs as small (less than 1mm) crystals, locally concentrated into microbeds. At 78.9-80.5m, quartz-rich zone; sulphide concentration 5%, to 10% locally; pyrrhotite only sulphide visible; occurs as blebs</p>	40.5	43.5	3.0	1165A	NIL (16 ppm As)
			43.5	46.5	3.0	1166A	NIL (16 ppm As)
			46.5	49.5	3.0	1167A	NIL (150 ppm As)
			49.5	52.5	3.0	1168A	NIL (3 ppm As)
			52.5	55.5	3.0	1169A	NIL (14 ppm As)
			55.5	58.5	3.0	1170A	NIL (12 ppm As)
			58.5	61.5	3.0	1171A	NIL (17 ppm As)
			61.5	64.5	3.0	1172A	NIL (17 ppm As)
			64.5	68.0	3.5	1173A	NIL (52 ppm As)
			68.0	71.0	3.0	1174A	NIL (41 ppm As)
			71.0	74.0	3.0	1175A	10 (180 ppm As)
			74.0	77.0	3.0	1176A	30 (40 ppm As)
			77.0	80.0	3.0	1177A	30 (24 ppm As)

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METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Sample	Gold (ppb)
		crosscutting bedding and in small, randomly oriented fractures. At 80.5-83.0m, a zone of moderately contorted bedding; most pronounced and visible in quartz-rich beds; microfolds to 3cm across locally. At 84.9m, a bed of green chlorite and relict red garnets (to 5mm on long axis), oriented at 65° to core axis. At 86.0m, a 5cm wide bed of relict garnets in chloritized groundmass. At 87.2m, faults offset bedding 1-2mm locally. At 87.4-92.2m, sulphide-rich zone; sulphide content 5% throughout; to 20% over intervals of 2-3cm; sulphides consist of pyrrhotite and minor chalcocopyrite locally; sulphides in beds (60-65° to core axis) but predominantly as blebs and irregular masses randomly oriented throughout; often in fractures crosscutting quartz beds. At 92.2-92.9m - banded iron formation with minor sulphides.	80.0	83.0	3.0	1178A	20 (40 ppm As)
			83.0	86.0	3.0	1179A	10 (30 ppm As)
			86.0	89.5	3.5	1180A	100/70 (1975 ppm As)
			89.5	92.9	3.4	1181A	30 (44 ppm As)
92.9	29.5	VOLCANIC TUFF Colour: light green overall; interbedded green and light green to white beds. Hardness: 2 to 7 Composition: 50% amphibole, 35% quartz (plus minor feldspar), 10% chlorite and 1-2% sulphides. Unit consists of alternating felsic (predominantly quartz) and mafic (predominantly) layers. Layers from less than 1mm to 3mm in width, oriented at 60° to core axis. Rock is fine-grained overall; clusters of radiating amphibole crystals throughout; locally, relict amphibole crystals to 3mm across; concentrated in layers, moderately chloritized; elongate parallel layering. Sulphides consist of very fine-grained iron sulphides; minor chalcocopyrite; pyrrhotite predominates as there is a weak magnetic response where concentrated in felsic layers; layers consistent and undisturbed; rock massive; minor fracturing. At 99.8m, quartz veinlets 1mm wide subparallel to core axis. At 103.6m, quartz band 5cm across. At 105.4-106.1m, sulphide concentration to 15% overall in this zone; pyrrhotite predominantly; otherwise, similar to rest of unit; concentrated in beds parallel to rest of unit. At 106.9-107.3m, same as above. At 108.7m, 5cm wide zone similar to interval 106.4-107.1m. Below approximately 113.0m, quartz-rich bands decrease in size and number; rock more massive with irregular quartz bands and	92.9	96.0	3.1	1182A	NIL (61 ppm As)
			96.0	99.0	3.0	1183A	NIL (16 ppm As)
			99.0	102.0	3.0	1184A	NIL (20 ppm As)
			102.0	105.0	3.0	1185A	NIL (15 ppm As)
			105.0	108.0	3.0	1186A	NIL (7 ppm As)
			108.0	111.0	3.0	1187A	NIL (2 ppm As)
			111.0	114.0	3.0	1188A	NIL (6 ppm As)
			114.0	117.0	3.0	1189A	NIL (8 ppm As)
			117.0	120.0	3.0	1190A	NIL (5 ppm As)
			120.0	123.0	3.0	1191A	NIL (17 ppm As)
			123.0	126.0	3.0	1192A	NIL (7 ppm As)
			126.0	129.5	3.5	1193A	NIL (11 ppm As)

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METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp.	Gold (ppb)
		<p>and accumulations locally; only small sections show banding as in upper portion of unit; rock finer grained than above section; fabric of rock produced by elongation and alignment of mafic minerals; orientation at 60° to core axis. At 118.1 m, blebs of chalcopyrite less than 2mm across. At 119.3m, 1cm wide band similar to interval 105.4-106.1m. At 119.7m, quartz filled fractures at 80° to core axis. At 124.5m, banding at 60° to core axis.</p> <p>END OF HOLE - 129.5m.</p>					

HOLE NO.

METRES		DESCRIPTION	CORE SAMPLES			
FROM	TO		FROM	TO	WIDTH Samp.	Gold (ppb)
		<u>Core Samples</u>				
		6.8m - metasediment; garnet band				
		8.0m - metasediment				
		10.0m - metasediment; garnet band				
		11.3m - BIF; sulphides				
		15.5m - BIF				
		20.6m - BIF (sulphide facies)				
		23.9m - BIF; quartz bed fracturing				
		29.4m - felsic tuff				
		36.9m - BIF; bedding				
		77.0m - BIF; amphibole-rich				
		79.6m - BIF; sulphides				
		82.6m - BIF; contorted bedding				
		92.9m - BIF; sulphides				
		99.3m - volcanic tuff				
		107.0m - volcanic tuff; sulphides				
		128.3m - volcanic tuff; fine-grained				
		<u>Core Recovery</u>				
		Core recovery of 95% to 100% obtained in all drill intervals				

561-83-01

Drill Core Geochemistry

Sample Number	Interval (metres)	Rock Type	Geochemistry					
			Au ppb	As ppm	Cu ppm	Ni ppm	Pb ppm	Zn ppm
1153A	10.40-13.40	B. I. F.	NIL	24	101	29	20	8
1154A	13.40-16.60	B. I. F.	NIL	19	48	25	32	9
1155A	16.60-19.80	B. I. F.	10	53	20	30	36	13
1156A	19.80-21.80	I. F.	20	45	40	50	38	27
1157A	21.80-24.70	B. I. F.	10	23	10	40	31	13
1158A	24.70-27.60	B. I. F.	NIL	7	29	31	35	26
1159A	27.60-29.60	Tuff	NIL	41				
1160A	29.60-31.60	Tuff	NIL	1				
1161A	31.60-32.50	B. I. F.	NIL	16				
1162A	32.50-35.10	Tuff	NIL	1	4	13	18	12
1163A	35.10-38.40	B. I. F.	60/40	7	19	35	29	9
1164A	38.40-40.50	Tuff	NIL	3	3	16	14	17
1165A	40.50-43.50	B. I. F.	NIL	16				
1174A	68.00-71.00	B. I. F.	NIL	41	12	15	27	5
1175A	71.00-74.00	B. I. F.	10	180	8	10	28	4
1176A	74.00-77.00	B. I. F.	30	40	8	10	23	4
1177A	77.00-80.00	B. I. F.	30	24	6	11	20	5
1178A	80.00-83.00	B. I. F.	20	40	12	17	22	5
1179A	83.00-86.00	B. I. F.	10	30	12	28	20	32
1180A	86.00-89.50	B. I. F.	100/70	1975	27	20	26	6
1181A	89.50-92.90	B. I. F.	30	44	59	19	18	7
1182A	92.90-96.00	Tuff	NIL	61	185	72	27	17

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Gary Williams July 6/83

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METRES				DIP TESTS		LATITUDE		DEPARTURE	
TEST	FROM	TO	TOTAL	CORR.	CORR.	EAM.	EAM.	CUM.	CUM.
0.0	0.0	18.3	18.3	-50	-50				
36.6	18.3	53.3	35.0	-50	-40				
70.1	53.3	70.1	16.8	-49	-43				

LOCATION 5+91W/3+10N
SECTION
LATITUDE
DEPARTURE
ELEVATION
CORE BQ
STORAGE Doubtful Take

HOLE No. 561-83-02
AZIMUTH 046°
DIP -50°
LENGTH 70.4 metres
PURPOSE test conductor
COMPLETED March 20/83
LOGGED BY G. Williams

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	DEPTH (m)	GRAVIMETRIC (ppb)	
0.0	6.8	OVERBURDEN					
6.8	70.4	VOLCANIC TUFF Colour: light to medium green overall; alternating green and whitish layers on small scale. Hardness: 2 to 7 Composition: highly variable on small scale due to layering; 40% felsic material (65:35 quartz:feldspar ratio), 40% amphibole, 10% chlorite; 5% biotite; 5% sulphides (predominantly pyrrhotite). Rock is fine-grained throughout (less than 1mm) and finely banded in most areas; banding width to 2-3mm; oriented at 60° to the core axis; bands are alternately felsic and mafic-rich. Alignment of mafic minerals gives rough foliation to unit. Bands of uniform orientation throughout and uniform width locally (may be primary bedding). Sulphide content 5% or less throughout unit, but to 10-15% locally; more concentrated in felsic zones; pyrrhotite predominates sulphides and results in weak magnetic response where concentrated; euhedral pyrite crystals to 3mm seen locally in pyrrhotite blebs; minor chalcopyrite; sulphide concentrations are irregular in shape but parallel local banding. Overall, unit is massive with only minor fracturing visible. At 6.9-7.3m, sulphide-rich felsic zone. At 7.7m, a 1cm wide biotite band, oriented at 60° to core axis. At 7.8m, calcite bands (less than 2mm wide). At 10.1-11.4m, fractures subparallel core; contain chlorite and minor calcite. At 12.1m, pyrrhotite-filled fracture; 1mm wide; 10° to core axis and crosscutting banding. At 12.4-12.5m, 1mm wide quartz-pyrrhotite veins (+minor calcite) at 25° to core axis. Chlorite and minor calcite on fracture					
			6.8	9.8	3.0	1194A	NIL
			7.9	14.0	6.1	13156	30 (sludge)
			9.8	12.8	3.0	1195A	NIL
			12.8	15.8	3.0	1196A	NIL
			15.8	18.8	3.0	1197A	NIL
			18.8	21.8	3.0	1198A	10
			14.0	20.1	6.1	13157	20 (sludge)
			21.8	24.8	3.0	1199A	70/60

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Mining Lands Section

12 1983

MINING LANDS SECTION

HOLE NO. 561-83-02

DRILL HOLE LOG

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METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp.	Gold (ppb)
		surfaces; crosscut banding at 50° to core axis. At 14.0-14.4m, moderate calcite veining in this interval; veins randomly oriented and to 4mm across; minor offsets (2mm) of banding along some fractures. At 17.9m, quartz lens with euhedral pyrrhotite grains and minor chalcopyrite. At 18.0-18.1m, 3cm wide quartz vein crosscutting banding; oriented at 40° to core axis. At 21.4-21.5m, quartz vein perpendicular to core axis; irregular contacts; pyrrhotite and pyrite concentrated in host tuff at contact; amphiboles to 5mm near contact; pyrite on numerous fracture surfaces that randomly crosscut core. At 22.3-22.9m, quartz vein similar to interval 21.4-21.5m. At 25.1m, euhedral garnets to 2mm across. At 26.2-32.7m, felsic content increases to approximately 60%, resulting in lighter colour through this area; 26.4-26.9m, sulphide content averages 10-15%; consists of 60% pyrrhotite and 40% pyrite; sulphides occur as bands and as blebs crosscutting banding; gradational contacts with more mafic phases above and below; at 31.6-32.7, sulphide-rich zone similar to interval 26.4-26.9m.; pyrrhotite content results in these intervals being moderately magnetic. At 34.0-35.3m, agglomeratic zone; fragments of tuffaceous material to 4cm on long axis in matrix of volcanic tuff; fragments more felsic than matrix; to 60% quartz and feldspar; subhedral to anhedral in shape; strongly corroded rims; elongate subparallel banding; banding often disturbed to 5mm above and below fragments. At 37.6m, calcite veinlets (1mm wide) subparallel to core axis. At 36.9-39.1m, similar to interval 34.0-35.3m. At 39.2-41.2m, sulphide-rich zone; 15% sulphides locally; predominantly pyrrhotite; unit slightly magnetic; sulphides in bands, randomly oriented blebs and disseminated throughout zone. At 39.2-48.1m, more felsic interval similar to 26.2-32.7m; 44.5-44.6m, quartz vein oriented near perpendicular to core axis; to 5% pyrite:pyrrhotite locally on fracture surfaces. At 49.5-52.2m, sulphide-rich zone similar to interval 39.2-41.2m; 49.7m - quartz vein 5cm across; 90° to core axis, irregular contact; at 50.1m, 2cm wide sulphide band; to 20% sulphides here. At 53.8-54.1m, sulphide-rich zone; sulphides in bands oriented at 60° to core axis; to 10% sulphides locally. At 58.2-61.5m, agglomeratic zone, similar to interval 34.0-35.3m; fewer fragments visible, more mafic in composition. At 67.5-67.6m, pegmatitic zone;	24.8	27.8	3.0	L200A	NIL
			20.1	26.2	6.1	L3158	60 (sludge)
			27.8	30.8	3.0	L201A	NIL
			30.8	33.8	3.0	L202A	NIL
			33.8	36.8	3.0	L203A	NIL
			36.8	39.2	2.4	L204A	NIL
			26.2	32.3	6.1	L3159	NIL (sludge)
			32.3	38.4	6.1	L3160	NIL (sludge)
			39.2	41.2	2.0	L205A	NIL
			41.2	44.2	3.0	L206A	NIL
			44.2	47.2	3.0	L207A	NIL
			38.4	44.5	6.1	L3161	NIL (sludge)
			47.2	49.5	2.3	L208A	NIL
			44.5	50.6	6.1	L3162	10 (sludge)

HOLE NO. 561-83-02

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp.	Gold (ppb)
		quartz, albite, muscovite crystals to 6mm in size; irregular contacts with tuff.	49.5	52.2	2.7	1209A	NIL
			52.2	55.2	3.0	1210A	NIL
			55.2	58.2	3.0	1211A	NIL
		70.4m - END OF HOLE	50.6	56.7	6.1	13163	NIL (sludge)
			58.2	61.5	3.3	1212A	NIL
			61.5	64.5	3.0	1213A	NIL
			56.7	62.8	6.1	13164	NIL (sludge)
			64.5	67.5	3.0	1214A	NIL
			62.8	70.4	7.5	13165	10 (sludge)
			67.5	70.4	2.9	1215A	NIL

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
		<u>Core Samples</u>					
		7.1m - felsic zone; sulphide-rich; pyrite in pyrrhotite					
		10.8m - banded tuff					
		11.3m - banded tuff					
		26.8m - felsic zone; sulphide-rich					
		32.0m - felsic zone; sulphide-rich					
		35.2m - agglomerate					
		38.0m - agglomerate					
		38.8m - agglomerate					
		39.4m - sulphide-rich tuff					
		49.5m - sulphide-rich tuff					
		69.5m - volcanic tuff					
		<u>Core Recovery</u>					
		Core recovery of 95-100% obtained in all drill intervals.					

561-83-02

Drill Core Geochemistry

Sample Number	Interval (metres)	Rock Type	Geochemistry				
			Au ppb	Cu ppm	Ni ppm	Pb ppm	Zn ppm
1194A	6.80- 9.80	Vol. Tuff	NIL	96	90	20	35
1195A	9.80-12.80	Vol. Tuff	NIL				
1196A	12.80-15.80	Vol. Tuff	NIL				
1197A	15.80-18.80	Vol. Tuff	NIL	107	73	18	41
1198A	18.80-21.80	Vol. Tuff	10	118	139	24	72
1199A	21.80-24.80	Vol. Tuff	70/60	102	138	17	88
1200A	24.80-27.80	Vol. Tuff	NIL	111	70	12	25
1201A	27.80-30.80	Vol. Tuff	NIL				
1202A	30.80-33.80	Vol. Tuff	NIL	90	113	19	52
1203A	33.80-36.80	Vol. Tuff	NIL				
1204A	36.80-39.20	Vol. Tuff	NIL				
1205A	39.20-41.20	Vol. Tuff	NIL	70	98	21	341
1206A	41.20-44.20	Vol. Tuff	NIL				
1207A	44.20-47.20	Vol. Tuff	NIL				
1208A	47.20-49.50	Vol. Tuff	NIL				
1209A	49.50-52.20	Vol. Tuff	NIL	159	109	21	91
1210A	52.20-55.20	Vol. Tuff	NIL				
1211A	55.20-58.20	Vol. Tuff	NIL				
1212A	58.20-61.50	Vol. Tuff	NIL	142	166	23	124
1213A	61.50-64.50	Vol. Tuff	NIL	99	172	20	80
1214A	64.50-67.50	Vol. Tuff	NIL				
1215A	67.50-70.40	Vol. Tuff	NIL				

DRILL HOLE LOG

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Nary Williams July 6/83

PROJECT 561

METRES				DIP TESTS		LATITUDE		DEPARTURE	
TEST	FROM	TO	TOTAL	DIP	CORR.	CUM.	CUM.	CUM.	CUM.
0.0	0.0	16.8	16.8	-50	-50				
33.5	16.8	51.2	34.4	-49	-43				
68.9	51.2	68.9	17.7	-49	-43				

LOCATION 17+98W/11+18N

HOLE No. 561-83-03

SECTION

AZIMUTH 046°

LATITUDE

DIP -50°

DEPARTURE

LENGTH 68.9 metres

ELEVATION

PURPOSE test conductor

CORE BQ

COMPLETED March 27/83

STORAGE Doubtful L, camp

LOGGED BY G. Williams

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp.	Gold (ppb)
0.0	8.8	OVERBURDEN					
8.8	68.9	TUFFACEOUS METASEDIMENT					
		Colour: medium green overall; alternating green and light green to white bands on small scale.	8.8	11.8	3.0	1216A	NIL
		Hardness: 3 to 7					
		Texture: alignment of mafic minerals produces a foliation parallel banding (original bedding?) in rock; oriented at 60° to core axis.	11.8	14.8	3.0	1217A	NIL
		Composition: highly variable with respect to individual beds; overall composition as follows: felsics 50% (80% quartz; 20% feldspar), mafics 45% (60% amphibole, 30% biotite, 10% chlorite) and 5% opaques (magnetite, iron sulphides).	9.5	16.8	7.3	13160	NIL (sludge)
		Overall, very fine-grained. Rock consists of alternating bands of mafic-rich and felsic-rich material oriented at 60° to core axis; banding very regular and consistent across the core and throughout its length, with only local variations; banding likely relict bedding. Width of individual beds less than 2mm. Rock is very weakly magnetic throughout; anhedral opaque crystals thus likely magnetite; such crystals are more common in mafic beds. Minor sulphides visible locally; pyrrhotite and pyrite. At 10.0m, euhedral red garnet to 15mm across. At 12.2m, quartz veinlets to 2mm wide crosscutting bedding at 50° to core axis. At 12.9m, calcite veining over 3cm length of core; veins oriented subparallel bedding. At 14.2m, minor fracture at 20° to core axis; pyrrhotite visible on fracture surface. At 14.4m, 4cm wide zone of 5% sulphides; pyrrhotite predominates; rare chalcopyrite visible. At 14.7m, 1cm wide quartz-calcite vein; near perpendicular to core axis. At 16.5m, fracture at 60° to	14.8	17.8	3.0	1218A	10
			17.8	20.8	3.0	1219A	NIL
			20.8	23.8	3.0	1220A	NIL
			16.8	24.7	7.9	13167	NIL (sludge)
			23.8	26.8	3.0	1221A	NIL
			26.8	28.7	1.9	1222A	NIL
			28.7	30.6	1.9	1223A	NIL
			30.6	33.0	2.4	1224A	60
			33.0	36.0	3.0	1225A	100/190
			36.0	38.1	2.1	1226A	10
			38.1	41.0	2.9	1227A	30
			41.0	42.3	1.3	1228A	30
			42.3	45.3	3.0	1229A	30

HOLE NO. 561-83-03

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
		core axis; crosscuts bedding. Sulphides most often associated with or bordering felsic beds. At 18.0m, minor fracturing near parallel core axis; fractures chloritized and completely rehealed; minor pyrrhotite on fracture surfaces. At 18.2m, offset of 3-4mm along one fracture/fault surface; oriented at 15° to core axis. At 21.8-21.9m, felsic-rich bed; minor mafics; contains 15-20% pyrrhotite; pyrrhotite occurs as irregular blebs and smeared along bedding surfaces; bedding partially disrupted in this interval; outer contacts have sutured appearance; minor fracture crosscuts zone; oriented at 60° to core axis. At 23.5m, 2cm wide quartz vein at 40° to core axis; sharp contacts with host rock; moderately fractured; minor iron sulphides visible. At 26.5m, lost water return. At 26.7m, quartz bed with 15% pyrrhotite; bedding at 70° to core axis. At 30.6-33.0m, sulphide-rich zone; pyrrhotite content 5-10% throughout; to 20% locally; concentrated in beds to 1mm wide; to 50% concentration in such beds; bedding at 60° to core axis; very minor sulphides disseminated throughout mafic-rich beds; sulphides predominantly within or at borders of felsic beds. At 32.3-32.7m, zone of fracturing and minor brecciation; some offset across fracture zone; fractures crosscut bedding; oriented 30° to core axis; infilled with pyrrhotite; entire zone slightly magnetic; gradational contacts with unit above and below. 33.4-34.9m, biotite-rich zone; brown beds of biotite alternate with greenish mafic beds; minor felsics throughout. At 34.9-38.1m, tuffaceous sediment with 5% pyrrhotite disseminated throughout. At 38.1-41.0m, 10% sulphides in this interval overall; minor disseminated sulphides as in previous interval as well as sulphide-rich beds (30% sulphides) to 1cm wide locally; pyrrhotite predominates, minor pyrite locally; similar to interval 30.5-33.0m; 1cm wide vuggy zones at 39.2, 39.5 and 40.8m; 5mm offset of bedding at 40.8m along small rehealed fault plane. At 41.0-42.3m, major sulphide-rich zone; sulphide content to 35% overall and 50-60% over short intervals; pyrrhotite and pyrite disseminated throughout but majority concentrated in beds to 5cm across (to 60% by volume in such beds); unit moderately to strongly magnetic; pyrite often concentrated in blebs within pyrrhotite zones; bedding disrupted where sulphides concentrated. At 42.1-42.3m, zone of brecciation with felsic clasts in matrix of	45.3	48.3	3.0	1230A	NIL
			48.3	51.3	3.0	1231A	NIL
			51.3	54.3	3.0	1232A	NIL
			54.3	57.3	3.0	1233A	NIL
			57.3	60.3	3.0	1234A	NIL
			60.3	63.3	3.0	1235A	NIL
			63.3	66.3	3.0	1236A	NIL
			66.3	68.9	2.6	1237A	NIL

DRILL HOLE LOG

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METRES		DESCRIPTION	CORE SAMPLES			
FROM	TO		FROM	TO	WIDTH	Samp. Gold (ppb)
		<p>pyrrhotite and pyrite; sulphides very fine-grained here. At 42.3-42.8m, similar to interval 38.1-41.0m; gradational with tuffaceous sediment below. At 55.2m, offset of 2mm along fault plane oriented at 10° to core axis. At 55.6-55.8m, broken core; pyrrhotite smeared on numerous fracture surfaces. At 59.5m, bedding at 60° to core axis. At 62.1m, minor crenulations in bedding over width of 5cm. At 63.1m, pyrrhotite on fracture surfaces. At 65.1m, 8cm quartz-feldspar vein near perpendicular to core axis; broken, chloritized core to 2cm on both sides of vein. At 66.3m, 5cm wide quartz bed with minor pyrrhotite. Overall, core is competent with local fracture zones crosscutting the bedding at 60° to the core axis; non-magnetic, except where pyrrhotite is concentrated.</p> <p>68.9m - END OF HOLE.</p>				

HOLE NO.

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	%	AVERAGES
		<p><u>Core Samples</u> 25.4m - tuffaceous sediment 31.5m - sulphide banding 41.9m - sulphide-rich zone 67.9m - tuffaceous sediment</p> <p><u>Core Recovery</u> - interval 38.1-41.5m, 3.2m of core for a 3.4m interval - 94% - interval 46.0-49.1m, 2.9m of core in a 3.1m interval - 93% - interval 64.6-65.8m, 1.0m of core in a 1.2m interval - 83% - core recovery of 95-100% obtained in remainder of drill intervals</p>					

561-83-03

Drill Core Geochemistry

Sample Number	Interval (metres)	Rock Type	Geochemistry				
			Au ppb	Cu ppm	Ni ppm	Pb ppm	Zn ppm
1222A	26.80-28.70	Tuff. metased.	NIL				
1223A	28.70-30.60	Tuff. metased.	NIL	121	55	12	29
1224A	30.60-33.00	Tuff. metased.	60	137	88	21	33
1225A	33.00-36.00	Tuff. metased.	100/190	109	78	31	74
1226A	36.00-38.10	Tuff. metased.	10	108	88	12	41
1227A	38.10-41.00	Tuff. metased.	30	110	119	28	41
1228A	41.00-42.30	Tuff. metased.	30	216	198	43	76
1229A	42.30-45.30	Tuff. metased.	30	40	102	19	130
1230A	45.30-48.30	Tuff. metased.	NIL	41	112	10	33
1251A	48.30-51.30	Tuff. metased.	NIL				

Gary Williams July 6/83

DRILL HOLE LOG

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METRES				DIP TESTS		LATITUDE		DEPARTURE	
TEST	FROM	TO	TOTAL	DIP	CORR.	CUM.	CUM.	CUM.	CUM.
0.0	0.0	22.8	22.8	-50	-50				
45.7	22.8	68.6	45.8	-50	-44				
91.4	68.6	114.4	55.8	-50	-44				
37.4	114.4	137.4	23.0	-49	-43				

LOCATION L31W/1+20N

HOLE No. 561-83-04

SECTION

AZIMUTH 046°

LATITUDE

DIP -50°

DEPARTURE

LENGTH 137.4m

ELEVATION

PURPOSE test iron form.

CORE BQ

COMPLETED April 2/83

STORAGE Doubtful L. camp

LOGGED BY G. Williams

METRES		DESCRIPTION	CORE SAMPLES			
FROM	TO		FROM	TO	WIDTH	Samp Gold (ppb)
0.0	9.1	OVERBURDEN				
9.1	33.8	<p><u>TUFFACEOUS METASEDIMENTS</u> Colour: pale green to off-white Hardness: 2 to 7 Texture: well bedded; alignment of mafic minerals results in foliation parallel bedding; oriented at 60° to the core axis. Composition: composition of individual beds highly variable; overall composition: 60% felsics (40% quartz; 60% alteration products); 30% mafics (50% amphibole; 30% mica; 20% chlorite); 5-10% garnet; and 2-5% sulphides (80% pyrrhotite; 20% pyrite; trace chalcopyrite). Well bedded tuffaceous metasediments. Bedding oriented at 60-65° to the core axis. Finely bedded; beds to 5mm wide locally. Minor sulphides disseminated throughout; in felsic beds where concentrated. Unit non-magnetic. Subhedral to anhedral (corroded) garnets locally; concentrated near mafic zones; to 1cm along long axis; some elongation parallel bedding. Minor fracturing; limonite staining on fracture surfaces near top of unit. Light coloured felsic beds consist largely of aphanitic alteration products; soft and talc-like in appearance. At 10.3m, minor fracture at 10° to core axis. At 16.5 to 20.5m, talc-like alteration products concentrated in better defined beds; little primary mineral remaining. At 19.1m, fracture at 30° to core axis; crosscuts bedding. At 19.2m, 2cm wide quartz vein near parallel bedding. Only small (to 3mm) isolated garnets below; approximately 20.0m. Below approximately 29.0m, sulphide content increases slightly; concentrations of to 10% sulphides in</p>				

HOLE NO. 561-83-04

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
		beds to 1cm wide found locally. At 31.1 to 31.7m, numerous fractures subparallel to core axis. At 31.8m, 10cm of broken cc.e. At 33.4 to 33.8m, minor fracturing; randomly oriented; small vugs (1mm) associated with fractures					
33.8	37.8	<p>TRANSITION ZONE</p> <p>Consists of interbanded oxide facies iron formation, sulphide zones and tuffaceous metasediments. Contacts often distinct. Iron formation strongly magnetic, sulphide zones moderately magnetic due to pyrrhotite (and magnetite) concentrations and tuffaceous metasediments are essentially non-magnetic. Bedding, where preserved, is at 60° to the core axis. Zones of tuffaceous metasediments are identical to those described above; garnets to 1cm on long axis. Oxide facies iron formation identical to that found below; to 20% sulphides locally. Sulphide-rich zones consist of 80-95% sulphides with rounded fragments of mafic and felsic material contained within; fine-grained; consists of 70% pyrrhotite, 30% pyrite and trace chalcopyrite.</p> <p>33.80-33.95m - iron formation 33.95-34.35m - sulphide zone 34.35-34.65m - iron formation 34.65-35.40m - tuffaceous metasediment 35.40-35.60m - iron formation 35.60-35.95m - sulphide zone 35.95-36.40m - iron formation 36.40-37.05m - tuffaceous sediment 37.05-37.45m - iron formation 37.45-37.80m - tuffaceous metasediment</p>					
37.8	40.8	<p>FELSIC TUFF</p> <p>Colour: off-white to light grey Hardness: 3 to 7 Composition: 60% quartz; 35% feldspars; 5% mafics; trace magnetite</p> <p>Unit consists of fine-grained felsic groundmass with feldspar phenocrysts (to 3mm wide) within it. Mafics aligned at 65° to core axis; subparallel bedding in felsics (visible locally). Very slight magnetic as a result of trace magnetite content. Massive; no fractures or faults visible. Upper and lower contacts gradational over 5cm.</p>					

METRES		DESCRIPTION	CORE SAMPLES			
FROM	TO		FROM	TO	WIDTH	Samp Gold (ppb)
40.8	57.9	<p><u>BANDED IRON FORMATION - OXIDE FACIES</u> Colour: interbanded black and light grey Hardness: 6 to 7 Composition: highly variable between beds; overall, 70% quartz; 15% magnetite; 10% mafics (chlorite, amphibole); and to 5% sulphides (pyrrhotite and pyrite, trace chalcopyrite). Unit consists of interbedded quartz (cherty) beds, magnetite-rich beds and mafic, amphibole-rich beds; minor sulphide beds locally (less than 1mm wide). Unit very fine-grained. Beds very regular and consistent; minor contortions (diagenetic) of bedding locally. Bedding oriented at 60° to the core axis. Unit magnetic throughout. At 40.8 to 42.0m, minor fractures (1mm wide) subparallel core axis and infilled with calcite; offset of bedding of 1-2mm along some fractures. Large quartz beds often contain similar fractures to those above, except infilled with sulphides. At 50.0m, fracture to 3mm wide containing pyrrhotite; oriented at 30° to the core axis. At 50.4 to 51.2m, bit polish seen on core; possible contaminant of sulphide analyses. At 50.9 to 51.3m, irregular blebs of pyrrhotite throughout zone; to 5% sulphides in this interval. At 53.7m, offset of 3mm in bedding across a microfault; pyrrhotite infilled along fault. At 56.8 to 57.6m, siliceous zone consisting of 70% quartz, 25% amphibole and 5% pyrrhotite; amphibole concentrated in irregular beds; pyrrhotite occurs as irregular blebs to 1cm across throughout zone; non-magnetic.</p>				
57.9	60.0	<p><u>TUFFACEOUS METASEDIMENT</u> Similar to interval 9.1 to 33.8m. Garnets to 5mm across seen locally. Distinct contacts above and below unit. Unit non-magnetic.</p>				
60.0	113.1	<p><u>BANDED IRON FORMATION - OXIDE FACIES</u> Similar to interval 40.8 to 57.9m. At 61.8 to 62.1m, pyrrhotite concentration to 15%; irregular bedding locally. At 62.2m, quartz-calcite veinlet (5mm wide) crosscutting bedding at 40° to the core axis; angular fragments of iron formation visible within veinlet. At 68.7m, pyrrhotite-rich beds (to 25%) over 10cm. At 69.9m, pyrrhotite-rich beds (to 25%) over 10cm. At 71.0m, bedding at 60° to core axis.</p>				

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
		<p>At 71.7 to 72.5m, siliceous zone similar to interval 57.8 to 58.6m. At 73.3 to 74.1m, similar to interval 40.8 to 42.0m; numerous small tension-like fractures containing pyrrhotite. Sulphide-rich beds more common and wider at depth than near beginning of hole; resulting sulphide concentration can reach 10-15% over lengths of 5-10cm. At 79.9 to 80.3m, numerous quartz-calcite veinlets (to 3mm wide) subparallel core axis; fragments of host rock visible in larger veinlets; contortions and offsetting of bedding locally. At 80.5 to 80.8m, similar to interval 79.9 to 80.3m. At 85.7m, bedding at 65° to core axis. Bit polish on core intermittently between 85.8 to 89.0m. At 90.7m, pyrrhotite veinlet (2mm wide) at 40° to core axis; crosscuts bedding. At 91.9m, fracture at 30° to core axis; chlorite covers fracture surface. At 107.2m, 5cm band of metasediment; highly chloritized; 30% subhedral garnets (to 4mm across). At 108.9 5cm bed consisting of approximately 60% pyrrhotite. At 110.7 similar to 108.9m. At 111.5m, similar to 108.9m. At 112.6 to 113.1m, sulphide-rich zone; to 40% sulphides (pyrrhotite and minor pyrite); massive fine-grained sulphides locally with rounded fragments of iron formation contained; bedding contorted to destroyed locally by sulphide concentrations. Lowermost 7 to 8 metres of unit shows more contorted, irregular and discontinuous bedding than above. Lower contact sharp; oriented at 65° to core axis. Unit massive overall.</p>					
113.1	137.4	<p>VOLCANIC TUFF</p> <p>Colour: light to medium green overall; interbanded green and light green to off-white on smaller scale.</p> <p>Hardness: 2 to 7</p> <p>Texture: alignment of mafic minerals gives foliation parallel bedding; oriented to 60° to 65° to core axis.</p> <p>Composition: 50-60% amphibole; 25% quartz/felsics; 10% biotite; 5% chlorite; and trace sulphides.</p> <p>Unit consists of interbanded mafic-rich (amphibole or mica) and felsic-rich (predominantly quartz) beds. Beds range in thickness but predominantly 3 to 5mm in width. Unit non-magnetic throughout. Few sulphides disseminated through unit; approximately 80% pyrrhotite, 20% pyrite, with trace chalcopyrite locally.</p>					

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	%	AVERAGES
		<u>Core Samples</u>					
		14.0m - tuffaceous metasediments with garnets					
		20.3m - tuffaceous metasediments					
		34.2m - massive sulphide					
		37.1m - tuffaceous metasediment/banded iron formation contact					
		39.0m - felsic tuff					
		41.4m - banded iron formation					
		113.1m - banded iron formation/volcanic tuff contact					
		123.2m - volcanic tuff					
		<u>Core Recovery</u>					
		84.7 to 85.7m - .85m of core for a 1m interval (85% core recovery)					
		104.8 to 106.0m - 1.0m of core in a 1.2m interval (85% core recovery)					
		106.0 to 106.6m - .40m of core in a .60m interval (66% core recovery)					
		Core recovery of 95 to 100% in remainder of drill intervals.					

DRILL HOLE LOG

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PROJECT 561

Gary Williams July 6/83

METRES				DIP TESTS		LATITUDE		DEPARTURE	
TEST	FROM	TO	TOTAL	DIP	CORR.	CUM.	CUM.	CUM.	CUM.
0.0	0.0	22.8	22.8	-50°	-50				
45.7	22.8	69.7	46.9	-50°	-44				
93.8	69.7	93.8	24.1	-48°	-42				

LOCATION L47W/1+80N
 SECTION
 LATITUDE
 DEPARTURE
 ELEVATION
 CORE
 STORAGE Doubtful I. camp

HOLE No. 561-83-05
 AZIMUTH 046°
 DIP -50°
 LENGTH 93.8m
 PURPOSE test conductor
 COMPLETED April 6/83
 LOGGED BY G. Williams

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
0.0	3.6	OVERBURDEN					
3.6	93.8	VOLCANIC TUFF Colour: light to medium green overall; variable between alternate beds. Hardness: 3 to 7 Texture: overall, crystal alignment (micas, amphiboles) gives foliation direction parallel bedding. Such foliation not visible over short intervals due to intergrown nature of amphibole clusters, e c. Composition: highly variable between individual beds, but overall unit consists of approximately 40% amphibole; 30% felsics (predominantly quartz, plus feldspars); 20% mica (biotite); 10-15% chlorite; and 2-5% sulphides. Relict bedding oriented at 60° to core axis. Bedding seen through alternating mafic-rich/felsic-rich beds and/or mica-rich beds in mafic intervals. Overall, unit is fine-grained with amphibole crystals to 3mm locally. Bedding is distinct; beds are largely 1-2mm in width, occasionally to 5mm in width. Felsic-rich intervals in the unit likely gradational to tuffaceous metasediments. Sulphides consist mainly of pyrrhotite (80%+) with occasional pyrite and trace chalcopyrite locally; occurs as disseminated blebs throughout unit. Unit slightly magnetic locally due to pyrrhotite content. At 3.6-6.1m, coarser-grained, amphibole-rich interval; little bedding visible. At 6.5-7.7m, similar to interval 3.6-6.1. At 11.90-12.05m, broken core; quartz fragments at 12.05m, likely quartz vein. At 13.9m, quartz bed to 5cm wide; minor deflections of bedding to 2cm on either side. At 14.0-14.6 broken core; "sand seam" reported by drill crew; minor	3.0	12.2	9.2	13187	10 (sludge)
			3.6	6.6	3.0	1291A	20
			6.6	9.6	3.0	1292A	NIL
			9.6	12.6	3.0	1293A	10
			12.6	15.6	3.0	1294A	NIL

HOLE NO. 561-83-05

DRILL HOLE LOG

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PROJECT 561.
PAGE 2

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	Samp	Gold (ppb)
		(less than 1mm) vugs visible along fractures and bedding planes - possible fault zone; no microfaults or bedding offset seen in core; only minor fracturing visible. At 15.6m, minor fractures crosscutting bedding; oriented at 40° to core axis. At 19.9m, a 5cm wide quartz vein near perpendicular to core axis. At 25.2m, bedding at 60° to the core axis. Below approximately 32.7m, sulphide content increases to 5% overall and to 10% in beds to 3mm wide; sulphides concentrated in felsic-rich beds and disseminated throughout unit; chalcopyrite visible locally; 85-90% pyrrhotite; trace magnetite possible due to magnetic response from these zones; gradational contact relative to sulphide-poor zone above. At 36.1m, beds of crystalline calcite over 5cm. At 39.7-42.2m, sulphide zone; sulphides consist of 75% pyrrhotite, 20-23% pyrite and 2% chalcopyrite locally; occurs both as disseminations and interbedded within volcanic tuff sequence; sulphides make up 10% by volume through zone, to 40% locally (40.7-49.8m, 40.9-40.95m) bedding regular except in above two short intervals; here, bedding is destroyed; unit consists of tuffaceous fragments in sulphide matrix; gradational with rock both above and below. At 44.0m, quartz vein (3cm wide) near perpendicular core axis. At 44.8m, quartz vein (1cm wide) at 70° to core axis. At 46.1m, crystalline calcite bed (5mm across). Trace chalcopyrite throughout tuff. Unit very uniform below sulphide zone; fine-grained, evenly bedded; only minor fracturing. Occasional calcite beds throughout. At 58.6m, bedding at 60° to core axis. At 60.1m, minor offsets of bedding over 3cm. At 62.6m, 2mm calcite veinlets at 25° to core axis. At 79.2m, bedding at 70° to core axis. At 84.1m, calcite veinlet at 20° to core axis. At 91.8m, fracture near-parallel core axis. At 92.5m, bedding at 70° to core axis.	15.6	18.6	3.0	1295A	NIL
			12.2	21.6	9.4	1318B	20 (sludge)
			18.6	21.6	3.0	1296A	NIL
			21.6	24.6	3.0	1297A	NIL
			24.6	27.6	3.0	1298A	10
			21.6	27.7	6.1	13189	10 (sludge)
			27.6	30.6	3.0	1299A	NIL
			30.6	33.6	3.0	1300A	10
			27.7	33.8	6.1	13190	NIL (sludge)
			33.6	36.6	3.0	1301A	30
			36.6	39.7	3.1	1302A	10
			33.8	39.9	6.1	13191	30 (sludge)
			39.7	42.2	2.5	1303A	50/60
			42.2	45.2	3.0	1304A	30
			39.9	46.0	6.1	13192	100/60 (sludge)
			45.2	48.2	3.0	1305A	NIL
			46.0	52.1	6.1	13193	80 (sludge)
			48.2	51.2	3.0	1306A	NIL
			51.2	54.2	3.0	1307A	NIL
			52.1	58.2	6.1	13194	10 (sludge)
			54.2	57.2	3.0	1308A	NIL
			57.2	60.2	3.0	1309A	NIL
			58.2	64.3	6.1	13195	30 (sludge)
			60.2	63.2	3.0	1310A	NIL
			63.2	66.2	3.0	1311A	NIL
			66.2	69.2	3.0	1312A	NIL
			64.3	70.4	6.1	13196	NIL (sludge)
			69.2	72.2	3.0	1313A	NIL
			72.2	75.2	3.0	1314A	NIL
			77.4	76.5	6.1	13197	10 (sludge)
			75.2	78.2	3.0	1315A	NIL
			76.5	80.8	4.3	13198	NIL (sludge)
			78.2	81.2	3.0	1316A	NIL
			81.2	84.2	3.0	1317A	NIL
			80.8	87.2	6.4	13199	30 (sludge)
			84.2	87.2	3.0	1318A	NIL
			87.2	90.2	3.0	1319A	NIL
			87.2	93.8	6.6	13200	NIL (sludge)
			90.2	93.8	3.6	1320A	NIL
		93.8m - END OF HOLE.					

HOLE NO. 561-83-05

METRES		DESCRIPTION	CORE SAMPLES				
FROM	TO		FROM	TO	WIDTH	%	AVERAGES
		<p><u>Core Samples</u> 20.6m - volcanic tuff 41.6m - sulphide zone 73.5m - volcanic tuff</p> <p><u>Core Recovery</u> 95% to 100% core recovery in all drill intervals.</p>					

561-83-05

Drill Core Geochemistry

Sample Number	Interval (metres)	Rock Type	Geochemistry				
			Au ppb	Cu ppm	Ni ppm	Pb ppm	Zn ppm
1297A	21.60-24.60	Tuff	NIL				
1298A	24.60-27.60	Tuff	10				
1299A	27.60-30.60	Tuff	NIL				
1300A	30.60-33.60	Tuff	10	241	61	17	38
1301A	33.60-36.60	Tuff	30	828	57	21	80
1302A	36.60-39.70	Tuff	10	318	121	50	793
1303A	39.70-42.20	Tuff	60	1600	142	357	7600
1304A	42.20-45.20	Tuff	30	578	90	111	1000
1305A	45.20-48.20	Tuff	NIL	263	64	19	62
1306A	48.20-51.20	Tuff	NIL				
1307A	51.20-54.20	Tuff	NIL				

2.5684

CERTIFICATE

I, Gary Williams, of the City of Gloucester in the Province of Ontario, do hereby certify that:

1. I reside at 2096 Orient Park Drive, Gloucester, Ontario, K1B 4V9.
2. I hold an Honours Bachelor of Science degree from the University of Western Ontario, in London, Ontario.
3. The diamond drill program herein reported was completed under my supervision, and I was present while it was being carried out. I have supervised the preparation of the maps and have written the report.

DATED at Ottawa this 6th day of July, 1983.

Gary Williams
GARY WILLIAMS

Ministry of Natural Resources
RECEIVED
OCT 13 1983
RESIDENT GEOLOGIST
SIOUX LOOKOUT

RECEIVED

JUL 12 1983

MINING LANDS SECTION



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54747 Date: March 31 1983

Received Mar. 28/83 65 Samples of split core

Submitted by Eldor Resources Limited, Ottawa, Ontario Att'n: Mr. G. Williams

Page 1 of 3

Proj. No. 561 Shipment No. 2697

SAMPLE NO.	GOLD PPB	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM
1151-A	Nil				
1152-A	Nil				
1153-A	Nil	101	29	20	8
1154-A	Nil	48	25	32	9
1155-A	10	20	30	36	13
1156-A	20	40	50	38	27
1157-A	10	21	40	31	13
1158-A	Nil	29	31	35	26
1159-A	Nil				
1160-A	Nil				
1161-A	Nil				
1162-A	Nil				
1163-A	60 40				
1164-A	Nil				
1165-A	Nil				
1166-A	Nil				
1167-A	Nil				
1168-A	Nil				
1169-A	Nil				
1170-A	Nil				
1171-A	Nil				
1172-A	Nil				
1173-A	Nil				

Cont'd...

Per G. Lebel
G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

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Received Mar. 28/83 65 Samples of split core

Submitted by Eldor Resources Limited, Ottawa, Ontario Att'n: Mr. G. Williams

Page 2 of 3

Proj. No. 561

Shipment No. 2697

SAMPLE NO.	GOLD PPB	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM
1174-A	Nil				
1175-A	10				
1176-A	30				
1177-A	30				
1178-A	20				
1179-A	10				
1180-A	100 70	27	20	26	6
1181-A	30	59	19	18	7
1182-A	Nil				
1183-A	Nil				
1184-A	Nil				
1185-A	Nil				
1186-A	Nil				
1187-A	Nil				
1188-A	Nil				
1189-A	Nil				
1190-A	Nil				
1191-A	Nil				
1192-A	Nil				
1193-A	Nil				
1194-A	Nil	96	90	20	35
1195-A	Nil				
1196-A	Nil	Cont'd....			

Per G. Lebel
G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54747

Date: March 31 1983

Received Mar. 28/83 65 Samples of split core

Submitted by Eldor Resources Limited, Ottawa, Ontario Att'n: Mr. G. Williams

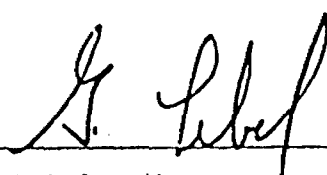
Page 3 of 3

Project No. 561

Shipment No. 2697

SAMPLE NO.	GOLD PPB	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM
1197-A	Nil				
1198-A	10				
1199-A	70 60				
1200-A	Nil	111	70	12	25
1201-A	Nil				
1202-A	Nil	90	113	19	52
1203-A	Nil				
1204-A	Nil				
1205-A	Nil	70	98	21	341
1206-A	Nil				
1207-A	Nil				
1208-A	Nil				
1209-A	Nil	159	109	21	91
1210-A	Nil				
1211-A	Nil				
1212-A	Nil	142	166	23	124
1213-A	Nil	99	172	20	80
1214-A	Nil				
1215-A	Nil				

Per


G. Lebel - Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54747-A

Date: May 2 1983


Received Mar. 28/83 43 Samples of split core

Submitted by Eldor Resources Ltd., Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561

Shipment No. 2697

SAMPLE NO.	ARSENIC PPM	SAMPLE NO.	ARSENIC PPM
1151-A	16	1174-A	41
1152-A	7	1175-A	180
1153-A	24	1176-A	40
1154-A	19	1177-A	24
1155-A	53	1178-A	40
1156-A	45	1179-A	30
1157-A	23	1180-A	1975
1158-A	7	1181-A	44
1159-A	< 1	1182-A	61
1160-A	1	1183-A	16
1161-A	16	1184-A	20
1162-A	1	1185-A	15
1163-A	7	1186-A	7
1164-A	3	1187-A	2
1165-A	16	1188-A	6
1166-A	16	1189-A	8
1167-A	150	1190-A	5
1168-A	3	1191-A	17
1169-A	14	1192-A	7
1170-A	12	1193-A	11
1171-A	17		
1172-A	17		
1173-A	52		

Per 
G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54791 Date: April 11 1983

Received Apr. 6/83 22 Samples of split core

Submitted by Eldor Resources Ltd., Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561

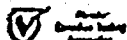
Shipment - 2698

SAMPLE NO.	GOLD PPB	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM
1216-A	Nil				
1217-A	Nil				
1218-A	10				
1219-A	Nil				
1220-A	Nil				
1221-A	Nil				
1222-A	Nil				
1223-A	Nil				
1224-A	60	137	88	21	33
1225-A	100 190				
1226-A	10				
1227-A	30	110	119	28	41
1228-A	30 30	216	198	43	76
1229-A	30	40	102	19	130
1230-A	Nil				
1231-A	Nil				
1232-A	Nil				
1233-A	Nil				
1234-A	Nil				
1235-A	Nil				
1236-A	Nil				
1237-A	Nil				

Per 

G. Lebel - Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54840 Date: April 22 1983

Received Apr. 18/83 83 Samples of split core

Submitted by Eldor Resources Ltd., Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561

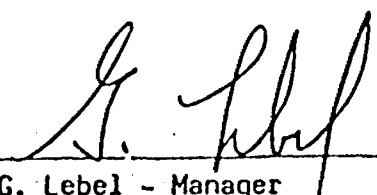
Shipment No. 2699

Page 3 of 4

SAMPLE NO.	GOLD PPB	COPPER PPM	LEAD PPM	ZINC PPM	NICKEL PPM
------------	-------------	---------------	-------------	-------------	---------------

1291-A	20				
1292-A	Nil				
1293-A	10				
1294-A	Nil				
1295-A	Nil				
1296-A	Nil				
1297-A	Nil				
1298-A	10				
1299-A	Nil				
1300-A	10	Cont'd.....			

Per


G. Lebel - Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54840

Date: April 22 1983

Received Apr. 18/83 83 Samples of split core

Submitted by Eldor Resources Ltd., Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561

Shipment No. 2699

Page 4 of 4

SAMPLE NO.	GOLD PPB	COPPER PPM	LEAD PPM	ZINC PPM	NICKEL PPM
1301-A	30				
1302-A	10	318	50	793	121
1303-A	50 60	1600	357	7600	142
1304-A	30	578	111	1000	90
1305-A	Nil				
1306-A	Nil				
1307-A	Nil				
1308-A	Nil				
1309-A	Nil				
1310-A	Nil				
1311-A	Nil				
1312-A	Nil				
1313-A	Nil				
1314-A	Nil				
1315-A	Nil				
1316-A	Nil				
1317-A	Nil				
1318-A	Nil				
1319-A	Nil				
1320-A	Nil				

Per G. Lebel
G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0

TELEPHONE: (705) 642-3244

ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54839 Date: April 21 1983

Received Apr. 18/83 50 Samples of sludge

Submitted by Eldor Resources Ltd., Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561 Shipment No. 2700

SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB	SAMPLE NO.	GOLD PPB
13151	20			13190	Nil
13152	30			13191	30
13153	30			13192	100 60
13154	50			13193	80
13155	70 40			13194	10
13156	30			13195	30
13157	20			13196	Nil
13158	60			13197	10
13159	Nil			13198	Nil
13160	Nil			13199	30
13161	Nil			13200	Nil
13162	10				
13163	Nil				
13164	Nil				
13165	10				
13166	Nil				
13167	Nil				
		13187	10		
		13188	20		
		13189	10		

Per G. Lebel
G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54885

Date: May 3 1983

Received 29 Samples of Pulp from previous assay

Submitted by Eldor Resources Limited, Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561

Shipment No. 2701

Page 1 of 2

SAMPLE NO.	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM
1162-A	4	13	18	12
1163-A	19	35	29	9
1164-A	3	16	14	17
1174-A	12	15	27	5
1175-A	8	10	28	4
1176-A	8	10	23	4
1177-A	6	11	20	5
1178-A	12	17	22	5
1179-A	12	28	20	32
1182-A	185	72	27	17
1197-A	107	73	18	41
1198-A	115	139	24	72
1199-A	102	138	17	88
1223-A	121	55	12	29
1225-A	109	78	31	74
1226-A	108	88	12	41
1230-A	41	112	10	33
-1272-A	14	29	19	6
1273-A	13	27	20	5

Cont'd.....

Per G. Lebel
G. Lebel - Manager



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO POK 1T0
TELEPHONE: (705) 642-3244
ANALYTICAL CHEMISTS • ASSAYERS • CONSULTANTS

Certificate of Analysis

Certificate No. 54885 Date: May 3 1983

Received 29 Samples of Pulp from previous assay

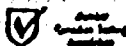
Submitted by Eldor Resources Limited, Ottawa, Ontario Att'n: Mr. G. Williams

Project No. 561 Shipment No. 2701 Page 2 of 2

SAMPLE NO.	COPPER PPM	NICKEL PPM	LEAD PPM	ZINC PPM
1300-A	241	61	17	38
1301-A	828	57	21	80
1305-A	263	64	19	62

Per *G. Lebel*
G. Lebel - Manager

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SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

RECEIVED

SALE

SOLD TO

Eldor Resources Limited
400 - 255 Albert St.
Ottawa, Ontario
K1P 6A9
Att'n: Ms. B. Lannin

MAY 10 1983

SHIP TO

DATE	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
May 5/83				Proj. #561		Net 30 days	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
----------	-------------	------------	--------

Shipment No. 2697

43

As Assays PPM
Cert. No. 54747-A May 2/83 G. Williams

\$ 5.75 \$ 247.25

SAMPLES 1151A to 1193A.

INV. DATE	QTY	CON.	CER. NO	CE	AMOUNT
23 65 85					
81052	000	23	54747-A	195	247.25
VENDOR: Gary Williams					
INVOICE: 1321 EXTENSION					
DATE: MAY 10 1983					
APPROVED FOR PAYMENT					
TOTAL: 247.25					

TOTAL..... \$ 247.25

• ASSAYERS • CONSULTANTS
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DO NOT WRITE IN THESE SPACES

Signature and stamp area at the bottom of the invoice.



SWASTIKA LABORATORIES LIMITED

P.O. BOX 10, SWASTIKA, ONTARIO P0K 1T0 TELEPHONE: (705) 642-3244

7270

LD TO
Eldor Resources Limited
400 - 255 Albert St.
Ottawa, Ontario
K1P 6A9
Att'n: Ms. B. Lannin

RECEIVED
MAY 9 1983

SHIPPING TO

S A M L

3/83	SHIPPED VIA	FED LICENCE NO	PROV LICENCE NO	YOUR ORDER NO	OUR ORDER NO	TERMS	SALESMAN
			100	Proj. 581		Net 30 days	

QUANTITY	DESCRIPTION	UNIT PRICE	AMOUNT
----------	-------------	------------	--------

Shipment No. 2701			
29	Cu Ni Pb Zn Assays PPM Cert. No. 885 MAY 3/83 G. Williams	\$ 16.00	\$ 464.00
SAMPLES 1162A to 1305A (ONLY SELECTED SAMPLES DONE)			

DATE	QTY	ORDER NO	RE	AMOUNT
23 05 83				
81039	23	561 26 195		464.00
INVOICE				
7270	EXPLORATION DIVISION			
23	MAY 9 1983			
2	APPROVED FOR PAYMENT			
464.00				

TOTAL \$ 464.00

CHEMISTS • ASSAYERS • CONSULTANTS
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E 020-83-561-26-195

DELTS TO:
ELDOR RESOURCES LTD,
400-255 ALBERT ST.,
OTTAWA, ONT. K1P 6A9
ATTN: GARY WILLIAMS

DISPOSAL:

SUBMITTED BY:
G. WILLIAMS

BC



400-255 ALBERT ST.,
OTTAWA, ONT. K1P 6A9
ATTN: BETTY LANNIN

400-255 ALBERT ST.,
OTTAWA, ONT. K1P 6A9
ATTN: GARY WILLIAMS

Purolator

CANADA'S LARGEST COURIER SERVICE - LE SERVICE DE COURRIER LE PLUS IMPORTANT AU CANADA

BILL OF LADING NOT NEGOTIABLE
CONNAISSANCE NON NÉGOCIABLE

TYPE OF SERVICE / MODE DE TRANSPORT

VIA GROUND VIA AIR
VOIE TERRESTRE VOIE AÉRIENNE

70249712

4

ACCOUNT NO./NO DE COMPTE

561

MO DY/JR YR/AN

07 11 83

ORIGINATING/POINT D'ORIGINE

AREA/ZONE

AIRPORT/AÉROPORT

AREA/ZONE

DESTINATION

AIRPORT/AÉROPORT

CONSIGNEUR (FROM/EXPÉDITEUR) (DE)

ELDOR RESOURCES LIMITED

STREET ADDRESS/ADRESSE (NO ET RUE)

400-255 ALBERT ST

CITY/VILLE

OTTAWA

PROV

ONT

POSTAL CODE/CODE POSTAL

K1P 649

CONSIGNEE (TO/DESTINATAIRE) (À)

MINISTRY OF NATURAL RESOURCES

STREET ADDRESS/ADRESSE (NO ET RUE)

WHITNEY BLOCK ROOM 450

CITY/VILLE

QUEENS PARK TORONTO M7A 1W3

POSTAL CODE/CODE POSTAL

SHIPPER SIGNATURE / SIGNATURE DE L'EXPÉDITEUR

NO DECLARED VALUE / PAS DE VALEUR DÉCLARÉE

CARRIER SIGNATURE / SIGNATURE DU TRANSPORTEUR

DATE

TIME/HEURE

LIMITATION OF LIABILITY IMPORTANT, PLEASE READ

(a) No carrier is liable for loss, damage or delay to goods as carried under the Bill of Lading unless notice thereof, setting out particulars of the origin, destination and date of shipment of the goods and the estimated amount claimed in respect of such loss, damage or delay is given in writing to the originating carrier or the delivering carrier within 180 days after the delivery of the goods or, in the case of failure to make delivery within nine (9) months from the date of shipment.

(b) The claim statement of the claimant must be filed within nine (9) months from the date of shipment together with a copy of the paid freight bill.

(c) Non-valuation of goods (unless declared value) is subject to the special agreement in Condition 2 (see reverse).

N.B. NOTE CAREFULLY CONDITIONS ON BACK HEREOF INCLUDING LIMITATIONS AND EXCLUSIONS OF CARRIER'S LIABILITY, WHICH ARE HEREBY ACCEPTED.

LIMITATION DE RESPONSABILITÉ IMPORTANT, LIREZ S.V.P.

(a) Le transporteur n'est responsable de la perte, de dommages ou de retard aux marchandises que sont décrites au connaissement, qu'à la condition qu'un avis écrit préavisant l'origine des marchandises, leur destination, la date de l'emballage et le montant approximatif réclamé en réparation de la perte, des dommages ou du retard, ne soit signalé au transporteur initial ou au transporteur de destination, dans les soixante (60) jours suivant la date de la livraison des marchandises ou dans les cas de non-livraison, dans un délai de neuf (9) mois suivant la date de livraison.

(b) La présentation de la réclamation finale accompagnée d'une preuve ou paiement des frais de transport doit être soumise au transporteur dans un délai de neuf (9) mois suivant la date de livraison.

Responsable maximum: \$2.00 la livre (ou \$4.41 le kilogramme) à moins d'indication contraire par le valeur déclarée ou la que stipulé par écrit, sous réserve de la condition 2 (voir verso).

N.B. VEUILLEZ LIREZ CONNAISSANCE DES CONDITIONS AU VERSO, Y COMPRIS LES LIMITATIONS ET EXCLUSIONS DE RESPONSABILITÉ DU TRANSPORTEUR, QUI SONT ACCEPTÉES PAR LES PRÉSENTES.

NO OF
PIECES
NO DE PIÈCES

1 Envelope

WEIGHT/POIDS

lb

kg

TOTAL

SPECIAL AGREEMENT / DÉPOSÉ DES PARTICULIERS

TOTAL WEIGHT

KGS/POIDS TOTAL

RECEIVED IN GOOD ORDER EXCEPT AS NOTED
CI DESSOUS
CONSIGNEE - DESTINATAIRE

DATE

TIME/HEURE

CHECK ONE
COCHERPREPAID
PORT FEECOLL
PORT ON

WEIGHT RATE
TARIF ALI / P.A.S.ADVANCE CHARGES
AVANCEEXCESS VALUE
FRAIS SUPPLÉMENTAIRESTOTAL CHARGES
TOTAL

CONSIGNEE / CONSIGNATAIRE

0-100 REV. 11/78Z



Ministry of
Natural
Resources

53 B/15 NE ()

Cross ref. 53 B/15 SE ()

Your file: 83-65

Our file: 2.5684

1983 10 07

Mr. Albert Hanson
Mining Recorder
Ministry of Natural Resources
P.O. Box 669
Sioux Lookout, Ontario
POV 2T0



53B15NE0009 53B15SE0013 N. CARIBOU LAKE

900

Dear Sir:

RE: Assaying submitted under Section 77(19) of The Mining Act RSO 1930, on mining claims PA 487909 et al in the Areas of North Caribou/Ericksen Lake

Please disregard my Notice of Intent dated September 7, 1983.

The enclosed statement of assessment work credits for assaying expenditures has been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6610
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-1380

D. Kinvig:mc

Encl.

cc: Eldor Resources Limited
Suite 400
255 Albert Street
Ottawa, Ontario
K1P 6A9

cc: Resident Geologist
Sioux Lookout, Ontario



**Technical Assessment
Work Credits**

File
2.5684

Date
1983 09 07

Mining Recorder's Report of
Work No. **83-65**

Recorded Holder
ELDOR RESOURCES LIMITED

Township or Area
ERICHSEN AND NORTH CARIBOU LAKES AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days	<p>\$2510.25 spent on drill hole assays on Mining Claims PA 487915-16, PA 569078, PA 676634, PA 685030</p> <p>167 assessment work days are allowed which may be grouped in accordance with Section 76(6) of the Mining Act R.S.O. 1980.</p>
Section 77 (19) See "Mining Claims Assessed" column	For Mining Recorder use:
Geological _____ days	The work assignment for each of the above listed five claims is 33.5
Geochemical _____ days	days per claim.
Man days <input type="checkbox"/> Airborne <input type="checkbox"/>	
Special provision <input type="checkbox"/> Ground <input type="checkbox"/>	
<input type="checkbox"/> Credits have been reduced because of partial coverage of claims.	
<input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

not sufficiently covered by the survey Insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical — 80; Geological — 40; Geochemical — 40; Section 77 (19)—60;



Ministry of Natural Resources
Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

83-65

2.5684

Instructions: - Please type or print
- If number of mining claims traversed exceeds space on this form, attach a 1st. Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns. - Do not use shaded areas below.

Mining Lands

The Mining Act

Type of Survey: **GEOCHEMICAL ANALYSES** Township or Area: **M-2701 & M-2702 ERICHSEN - N. CARIBOU LAKES**

Claim Holder(s): **ELDSR RESOURCES LIMITED** Prospector's Licence No.: **T-1300**

Address: **SUITE 400 - 255 ALBERT ST., OTTAWA, ONT. K1P 6A9**

Survey Company: **(AS ABOVE)** Date of Survey (from & to): **12 03 83 06 04 83** Total Miles of line Cut: _____

Name and Address of Author (of Geo-Technical report): **GARY WILLIAMS, 2096 ORIENT PARK DRIVE, GLOUCESTER, ONT.**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Electromagnetic	
For each additional survey: using the same grid: Enter 20 days (for each)	Magnetometer Radiometric	
	Geological	
	Geochemical	
Men Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	Electromagnetic	
	Magnetometer	
	Radiometric	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Prefix	Mining Claim Number	Expend. Days Cr.	Prefix	Mining Claim Number	Expend. Days Cr.
Pa	487909	4	Pa	645925	4
	487910	4		645926	4
	487914	4		645928	4
	487915	4		645929	4
	487916	4		645931	4
	487919	4		676632	4
	487920	4		685031	4
	569065	4		701458	4
	569066	4		701459	4
	569070	4		701460	4
	569071	4		701461	4
	569072	4		701462	4
	569076	4		701463	4
	569077	4		701464	4
	569078	4		701466	4
	569080	4		701467	4
	569081	4		701468	4
	569085	4		701469	4
	569086	4		701470	3
	569089	4			
	569090	4			
	569094	4			
	569095	4			

RECEIVED
JUL 21 1983

RECEIVED
JUN - 6 1983
A.M. 7:8:9:10:11:12:1:12:3:4:5:6 P.M.

See revised statement

Expenditures (excludes power stripping)

Type of Work Performed: **Section 77-19 DRILL CORE ANALYSES**

Performed on Claim(s): **Pa 487915, 487916, 676634, 676632, 685030**

Calculation of Expenditure Days Credits

Total Expenditures: **\$ 2510.25** ÷ Total Days Credits: **15** = **167**

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Pa. 487908

Total number of mining claims covered by this report of work: **42**

For Office Use Only

Total Days Cr. Recorded: **167** Date Recorded: **June 6, 1983** Mining Recorder: *[Signature]*

Date Approved as Recorded: _____ Branch Director: _____

Date: **May 30/83** Recorded Holder or Agent (Signature): *Gary Williams*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: **GARY WILLIAMS, 2096 ORIENT PARK DRIVE, GLOUCESTER, ONT.**

Date Certified: **May 30/83** Certified by (Signature): *Gary Williams*



Ministry of
Natural
Resources

Geotechnical
Report
Approval

Approved
Aug 10th

File 25684

Mining Lands Comments

receipts required RECEIPTS REQUIRED

To: Geophysics

Comments

Approved Wish to see again with corrections

Date Signature

To: Geology - Expenditures *Mr. Kusma*

Comments

OK

Approved Wish to see again with corrections

Date *Aug 15/83* Signature *ckusma*

To: Geochemistry *Aug 15/83*

Comments

L.D.

Approved Wish to see again with corrections

Date Signature

To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1983 07 15

2.5684

Mining Recorder
Ministry of Natural Resources
P.O. Box 669
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

We have received data for Assaying submitted under Section 77(19) of the Mining Act R.S.O. for Mining Claims PA 487909 et al in the Areas of North Caribou/ Erichsen Lake.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed by you prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

A. Barr:sc

cc: Eldor Resources Ltd
Suite 400
255 Albert Street
Ottawa, Ontario
K1P 5A9
Attn: R.J. McIi Clark.



July 11, 1983

Ministry of Natural Resources
Land Management Branch
Mining Lands Section
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

Attention: Mr. Fred Matthews
Supervisor, Project Unit

Dear Sir:

Re: Unpatented Mining Claims PA 487909, et al, Patricia
Mining Division, North Caribou/Ericksen Lakes Area

In accordance with a telephone conversation with Mr. Ray Pichette at your offices, please find enclosed, in duplicate, the following information for assessment credit:

1. Drill logs showing geochem. intervals;
2. Analytical results from the lab;
3. Proof of payment for geochem. work;
4. Location map showing drill holes with respect to claim boundaries; and
5. Certificate signed by the Project Geologist.

I trust that this information is sufficient, however, if there are any questions, please do not hesitate to contact our offices.

Yours truly,

R. J. McH Clark
District Manager
Exploration

RJC/cpj

RECEIVED	
Land Management Branch	
CIRCULATE	<input type="checkbox"/>
COMMENTS PLEASE	<input type="checkbox"/>
BY	
JUL 12 1983	
E. F. ANDERSON	
J. R. MORTON	
J. C. SMITH	✓
G. SHERMAN	
J. M. SMITH	
RETURN TO R.E.450	

RECEIVED

JUL 12 1983

MINING LANDS SECTION



Ministry of
Natural
Resources

Sept 28/83

Your file: 83-65

1983 09 07

Our file: 2.5684

Mr. Albert Hanson
Mining Recorder
Ministry of Natural Resources
P.O. Box 669
Sioux Lookout, Ontario
POV 2T0

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. F.W. Matthews at 416/365-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

DK
D. Kinvig:mc

Encls:

cc: Eldor Resources Limited
Suite 400
255 Albert Street
Ottawa, Ontario
K1P 6A9

cc: Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

B45



Ontario

Ministry of
Natural
Resources

Notice of Intent
for Technical Reports

1983 09 07

2.5684/83-65

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



FOR ADDITIONAL

INFORMATION

SEE MAPS:

53 B/15SE-0013 #1

