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REPORT ON DIAMOND DRILLING

DIXIE LAKE PROPERTY OF L. HERBERT

RED LAKE AREA, NW, ONTARIO

2.51317

By

A. P. Pryslak

March 17, 2012

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INTRODUCTION

Larry Herbert of Red Lake , Ontario holds a block of 22 claims (323 units) in the Dixie Lake Area, centered approximately 25 kilometres south of the town. Outcrop in this area is very sparse, less than 1%. Herbert commenced prospecting the area in 2008 with the use of heavy equipment such as backhoes and dozers. He has continued these activities to the end of 2012. Manual and power washing of the stripped areas followed, along with sampling and geological mapping.

The prospecting activities resulted in the discovery of several mineral occurrences. The first was a band of exhalite sulphides associated with a rhyolite dome, similar to the setting at South Bay Mine. Minor chalcopyrite occurs with these sulphides. Next, came a massive, banded ankerite vein up to 6 metres in width with minor pyrite- arsenopyrite mineralization that assayed up to 0.6 g/t Au.

Two sets of quartz veins are found throughout the area. The first set is foliation parallel in a NE-SW direction and near vertical in dip The second set of veins trends N-S to NNW-SSE and have shallow dips of -20 to -35 degrees to the west. Some of these veins carry semi-massive chalcopyrite and Au values to 0.32 oz/t and constitute the third mineral discovery.

A diamond drill program was undertaken in October of 2011 to test one of the banded carb zones and a set of the Cu-Au-Ag bearing veins. This report presents the data resulting from this activity.

PROPERTY: ownership, location, access

The block of 22 claims held by Larry Herbert of Red Lake, Ontario is equivalent to 323 claim units (see Figure #1). Access to the property is by means of a resource road, locally known as the Dixie Lake Road. The turn-off onto this road is 16 kilometres to the south of the town of Red Lake. A secondary road is at kilometer 25 on the Dixie Road and one travels north for another 15 kilomertres to the area of activity described in this report (see Figure #2).

PREVIOUS WORK

Most of the mineral exploration work from the Dixie Lake Claim Sheet has occurred in the area immediately to the north where some iron formations are host to gold mineralization. The work over the Herbert properties has been mainly for base metals and is summarized from assessment files.

1945	Belgold	Prospecting, trenching
1969-71	Caravelle Mines	AEM and AMAG surveys, mapping, sampling, diamond drilling
1989-90	Teck	Ground and airborne geophysical surveys, diamond drilling of hole P-12

and P-12A, totally 299 metre. Located 2 kilometres east of Dixie-11-04 described in this report.

2008-2012 L. Herbert Power and manual stripping, prospecting, sampling.

GEOLOGY

The bedrock lithologies are interpreted as being part of the Confederation Cycle. Bedrock exposure is very limited. MNDM map P.3301 by T. L. Muir, titled "The Precambrian Geology of the Dixie Lake Area (east sheet) shows that the area between Hiewall and Tote Lakes is largely unmapped. The 1991-2 mapping of this Sheet was limited because of a blow-down in 1991, making the area unsafe for field work and inaccessible.

The typical lithologies of volcanic origin vary from basalt through to rhyolite. Conglomeratic sediments are common in the eastern portion of the area. Chemical sediments as chert and chert-sulphide are present as thin bands along the northern part of the property. Numerous intrusive rocks have been mapped within the claim block, including pyroxenite, gabbro, diorite and various phases granodiodiorte . Tectonization of lithologies is common. However, the limited exposure of bedrock makes it difficult to interpret sratigraphy and structures with any degree of accuracy. Airborne magnetic data from the Assessment files is broken into fragmented reports and not very suitable for interpretation.

The strip mapping and core logging by the author and members of the Resident Geologist's office in Red Lake has resulted in extrapolating three different mineral deposit types . The first is that for VMS mineralization; massive Cu-Zn sulphides associated with the rhyolites. The second mineral deposit type is that of the large ankerite veins, up to 5 metre in width, with Au-As values. These carb zones are at a low angle to the regional fabric and were developed in extensional strain areas, much like crack-and-seal quartz veins. The third deposit type is that of quartz-carb-sulphide veins, with the dominant sulphide being chalcopyrite. These veins have a distinct orientation; the average trend is N20 degrees W and the dip varies from 20-35 degrees west. The length of these veins is partially determined by the foliation parallel shears that averages 060 degrees. These shears have fairly strong biotite-calcite alteration and contain minor disseminated chalcopyrite mineralization. However, it is the north-south veins with the shallow westerly dips that seem to have the highest potential for a Cu-Au deposit.

The geological legend used in the drill core logging and strip-area mapping is found in Figure #5.

Drill holes Dixie-11-01, 02 and 03 were drilled to test for the extension of the Cu-Au-Ag veins described above. Drill hole Dixie-11-04 was drilled to test one of the banded ankerite veins with Au-AS mineralization and extended for 500 metres to test an area of wet swamp and creek for general stratigraphic information and for the presence of any further carb zones.

Diamond Drilling

Chibougamau Diamond Drilling Ltd. Of Rouyn-Noranda, Quebec were contracted by L. Herbert of Red Lake, Ontario to drill four holes for a minimum of 1000 metres on his Dixie Lake property. The four drill holes all fall in Claim 4241242, centered approximately 2 kilometres southeast of Hiewall Lake (see Figure # 2A, location and access). The drilling was performed in the period of October 21 to 30, 2011. The field supervision was conducted by L. Herbert. The core was transported to Esker Logging's office-garage complex at Balmertown, Ontario. The author logged and sampled the core in detail in the periods of December 11-14, 2011 and January 12 to 15, 2012, inclusive. L. Herbert was responsible for cutting all core samples. Assaying was done by SGS Canada Ltd. Their prep lab is in Red Lake, Ontario.

DRILLING RESULTS: Cu-Au-Ag Vein Zone (Dixie11-01, 02, 03)

Dixie 11-01 was drilled at an azimuth of 48 degrees and an inclination of -50 degrees, targeting the shallow west dipping quartz-tourmaline-calcite-chalcopyrite veins. They vary from 10 to 50centimetres in width and a strike length of 5-6 metres. The veins occur within a sheared mafic volcanic unit in the west strip-area, but cross the south contact of the mafic volcanic-intermediate breccia units in the easterly strip-area. The drill hole intersected the mafic lithology for 30 metres and then stayed mainly in the intermediate breccia unit, with only narrow bands of the black, biotitic mafic volcanics.

Dixie 11-02 was drilled at an azimuth of 32 degrees, to test for a more northerly plunge of the veins. The sulphide-bearing vein system was not intersected in this drill hole. The mafic volcanic bands intersected by drill holes 11-01 and 11-02 generally are strongly altered by biotite and calcite and are mineralized with minor disseminated chalcopyrite. Both the foliation and veining that were intersected by these two drill holes, were at low angles to core, indicating that they do not represent the mineralized set of veins seen in the stripped areas at surface.

Dixie 11-03 was drilled at an azimuth of 140 degrees to test for lithologies and possible vein systems. It got out of the volcanic lithologies at 78 metres and stayed in sheared granodiorite to the end-of-hole at 105 metres.

DRILLING RESULTS: Carb Zone (Dixie 11-04)

Figure 4 shows the location of drill hole and the stripped area of the carb Zone, while Figure 9 illustrates the X-section of Dixie11-04. The Carb Zone was intersected at 30-33 metres, showing a dip of -70 degrees North. Minor amounts of pyrite-arsenopyrite were observed, but assay results were at the anomalous level only.

The drill hole intersected several intervals of felsic volcanics, typical of felsics along the South Bay- Dixie trend, that are host to numerous small VMS deposits.

RECOMMENDATIONS

The quartz-chalcopyrite veins discovered by the stripping in late 2011 were not intersected by any of the three drill holes, Dixie 11-01, 02 and 03. This is likely due to a change in dip and plunge of the veins from steep to the north and shallow to the NW to a dip steeply south and a plunge of southwest. A small drill program is recommended to test this new interpretation.

Continued prospecting via the backhoe is recommended. Any additional bedrock exposure will lead to a better understanding of the geology.

REFERENCES

Data from Caravelle Mines work in 1969-71, Teck's work in 1989-1990 and L. Herbert's stripping-trenching work in 2019-2010 are taken from the MNDM assessment files.

Muir,T: 1991-2, Precambrian geology of the Dixie Lake area, Preliminary map P.3301.

EXPENDITURES

Contract drilling, 1066m, including mob..........$73,174.50

Demob $3120.00

Supervision: L. Herbert, Bruce Lavigne, 2 shifts, Oct.20-Nov. 2, 14 days @ $200/d $5600.00

Vehicle /travel: 14 days, 110kmx 2 shifts @0.55/klm $1210.00

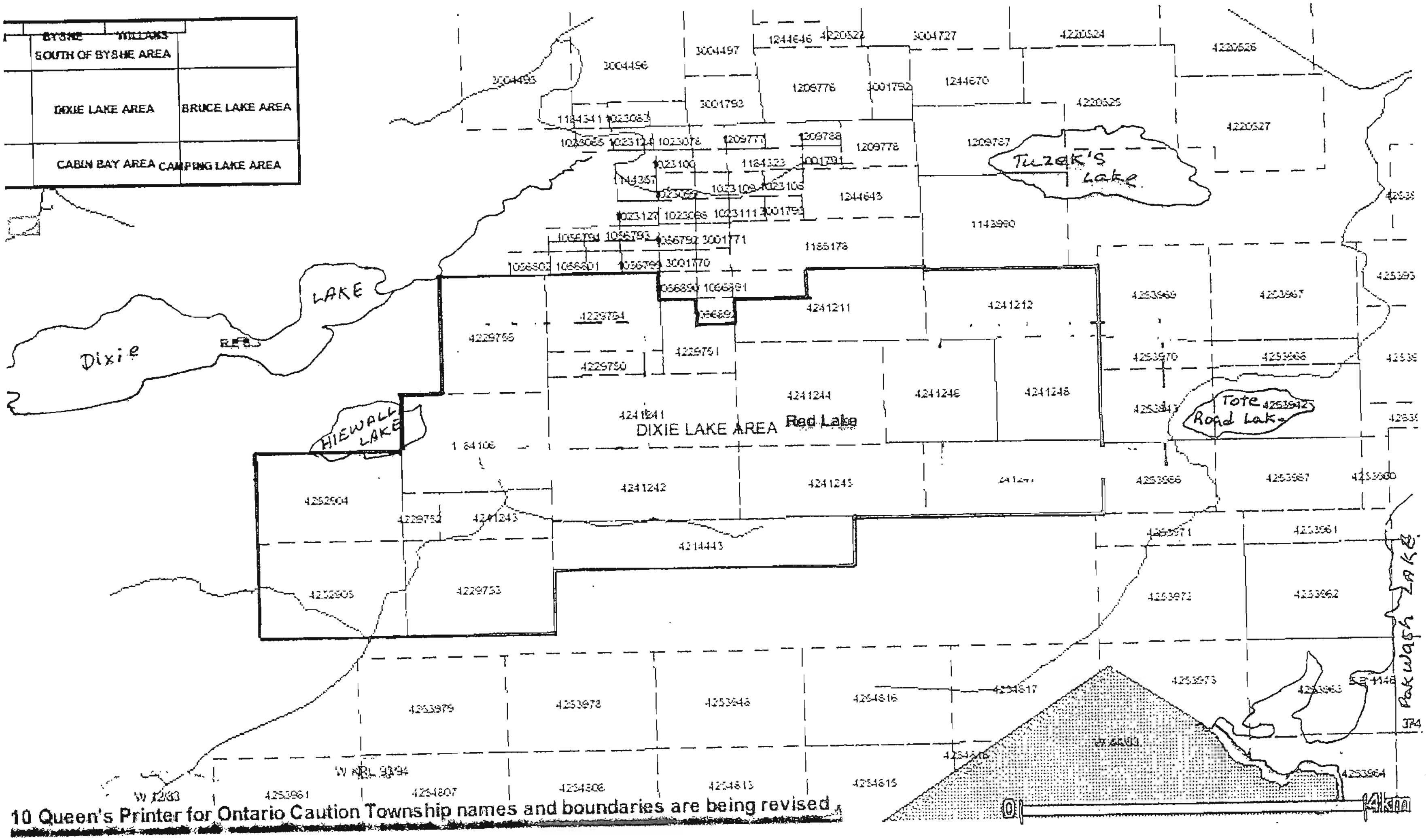
Core Logging: 8 days @ $500/d $4000.00

Report: 7 days @ $500/d $3500.00

Core splitting 1066m @$7.83 per/m..........$8346.78

Assaying $4841.34

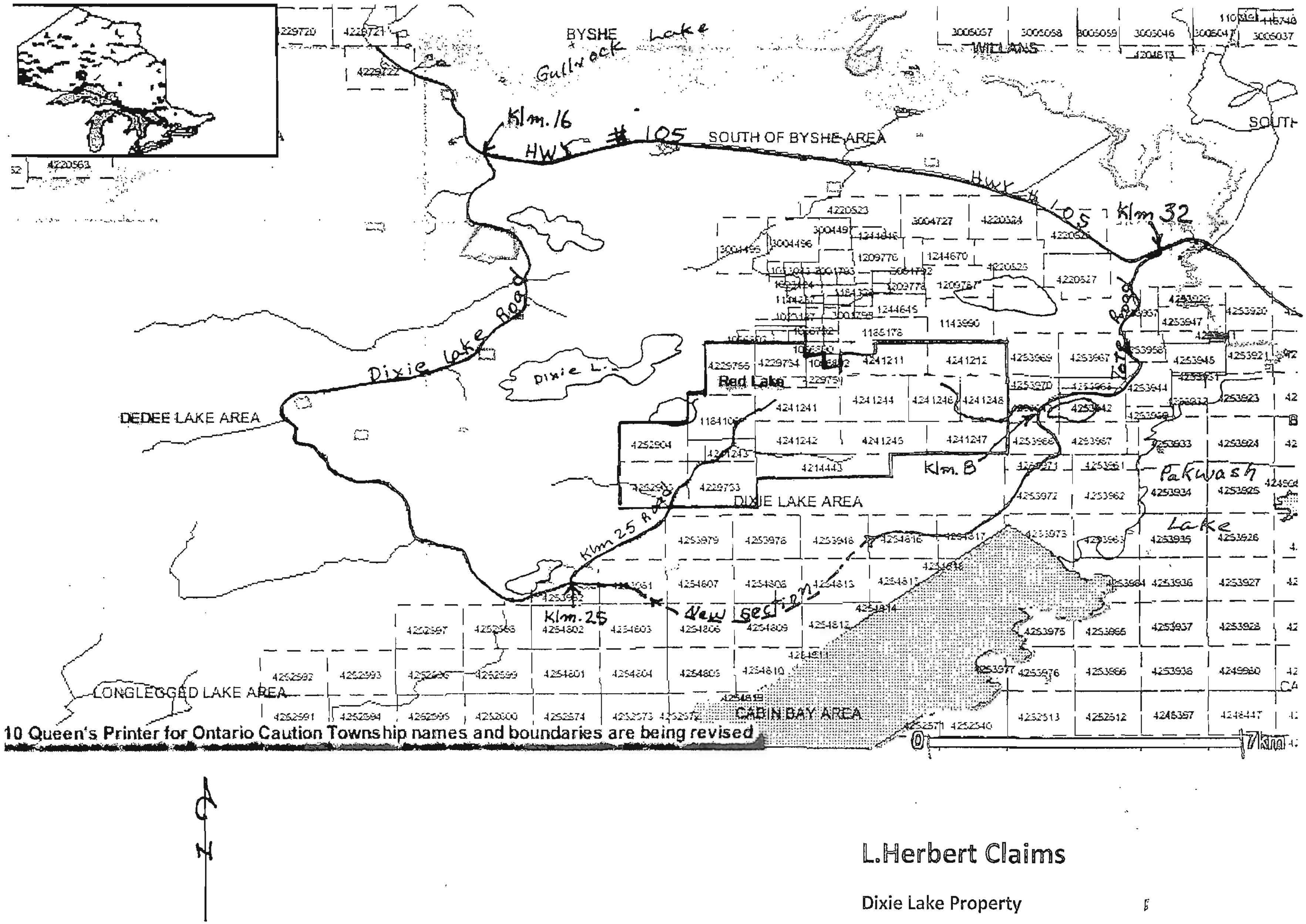
Total $104332.62



L.Herbert Claims

Dixie Lake Property

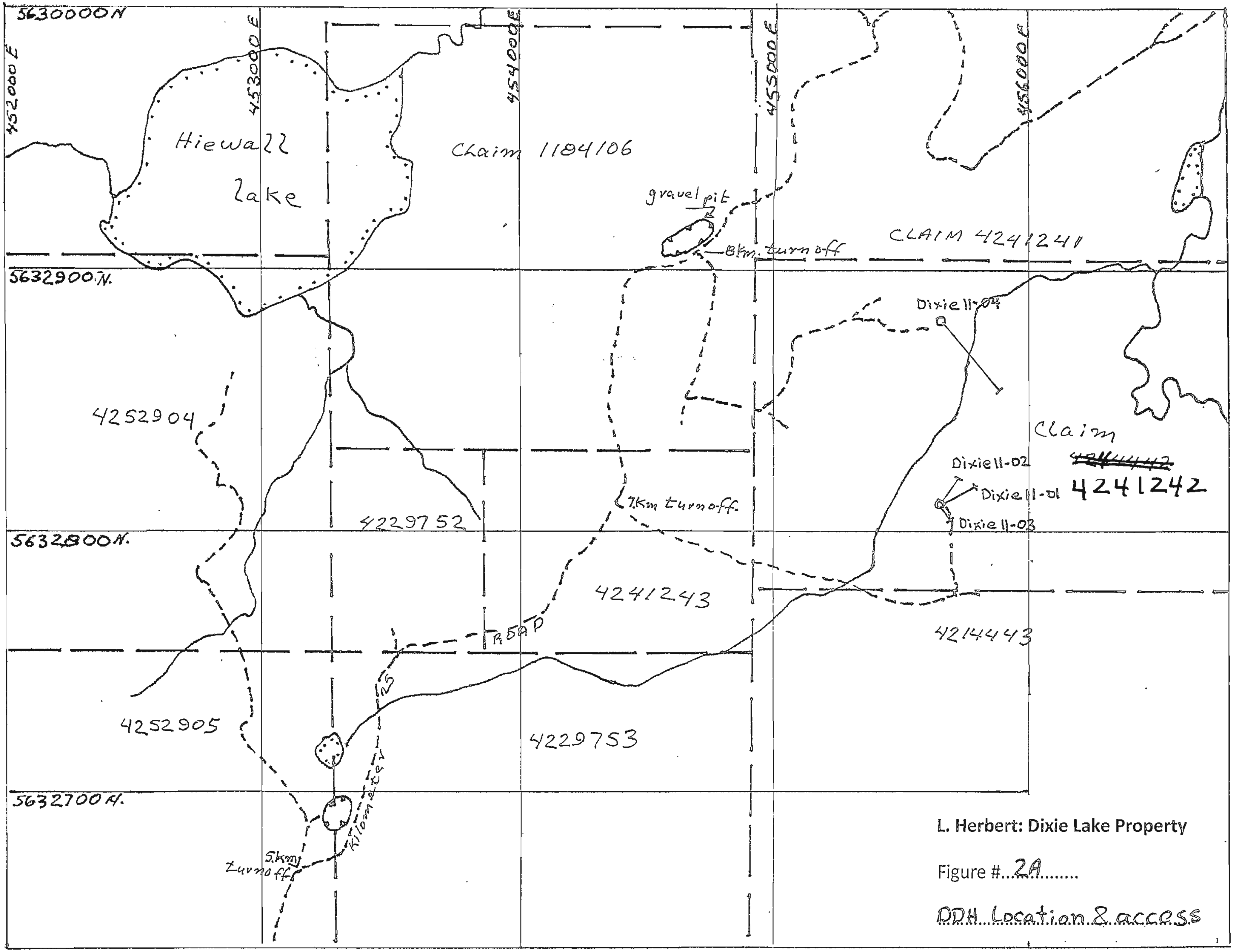
Figure #1: General Location



L.Herbert Claims

Dixie Lake Property

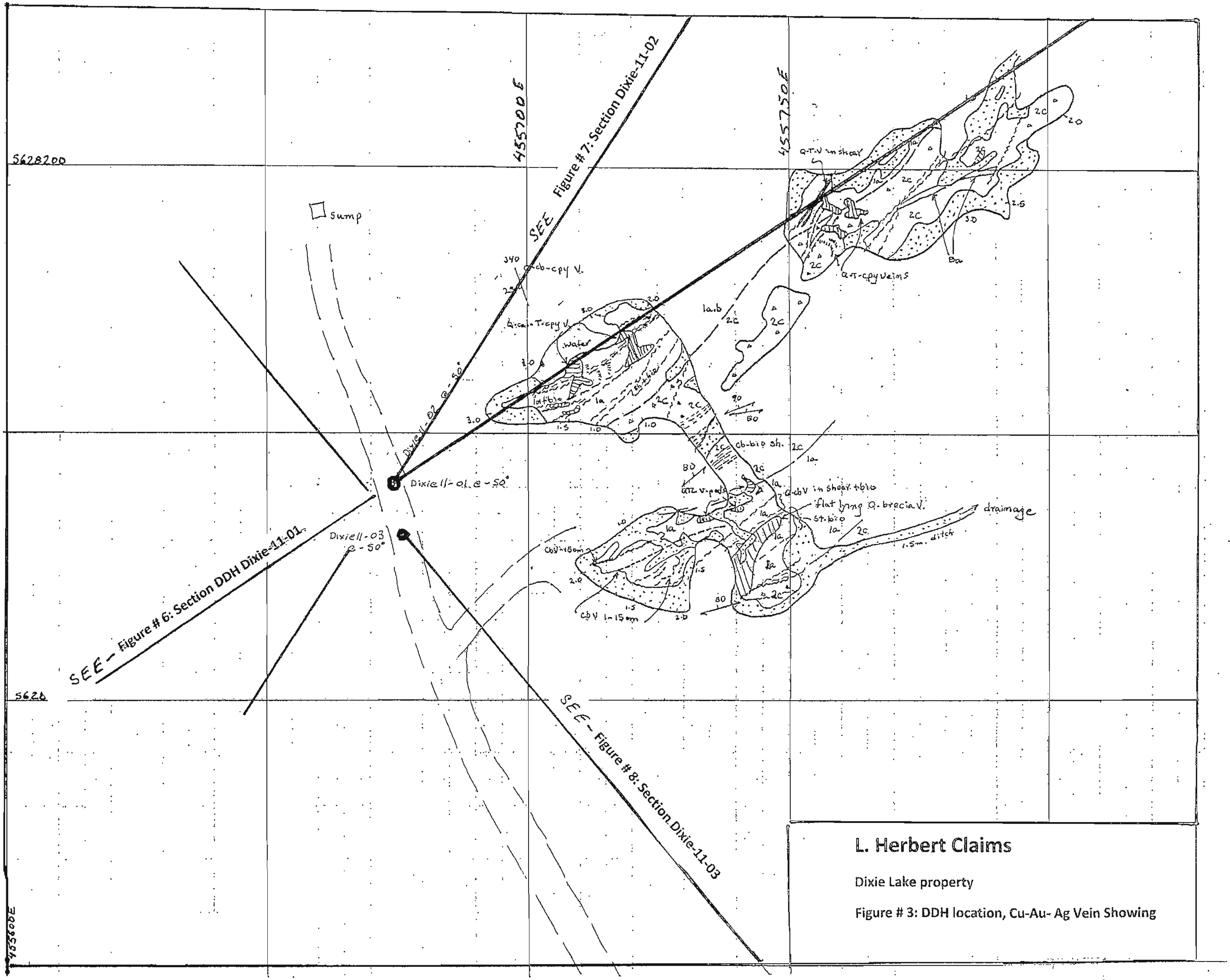
Figure #2: Location and Access



L. Herbert: Dixie Lake Property

Figure #...2A........

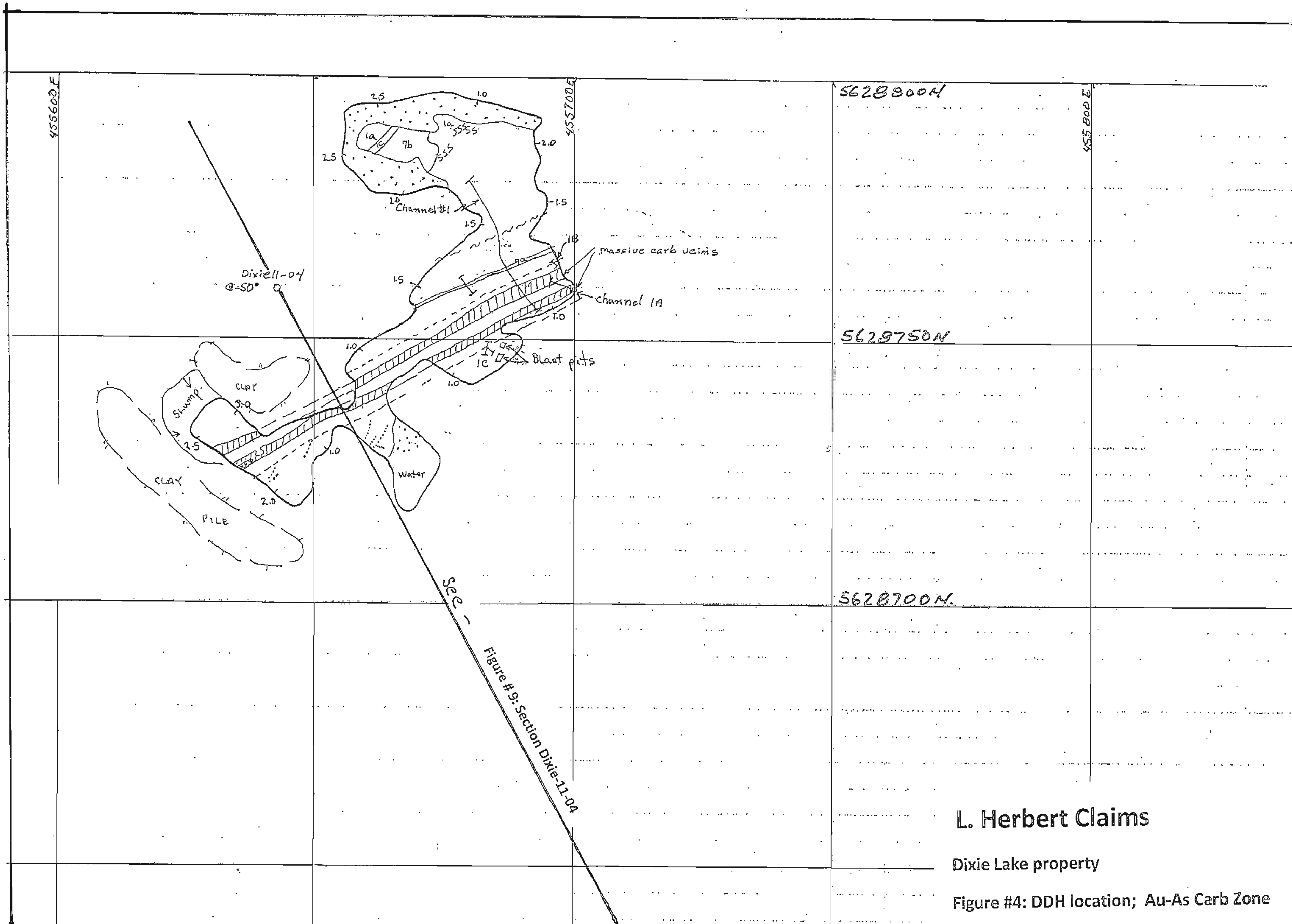
DDH Location & access



L. Herbert Claims

Dixie Lake property

Figure # 3: DDH location, Cu-Au- Ag Vein Showing



L. Herbert Claims

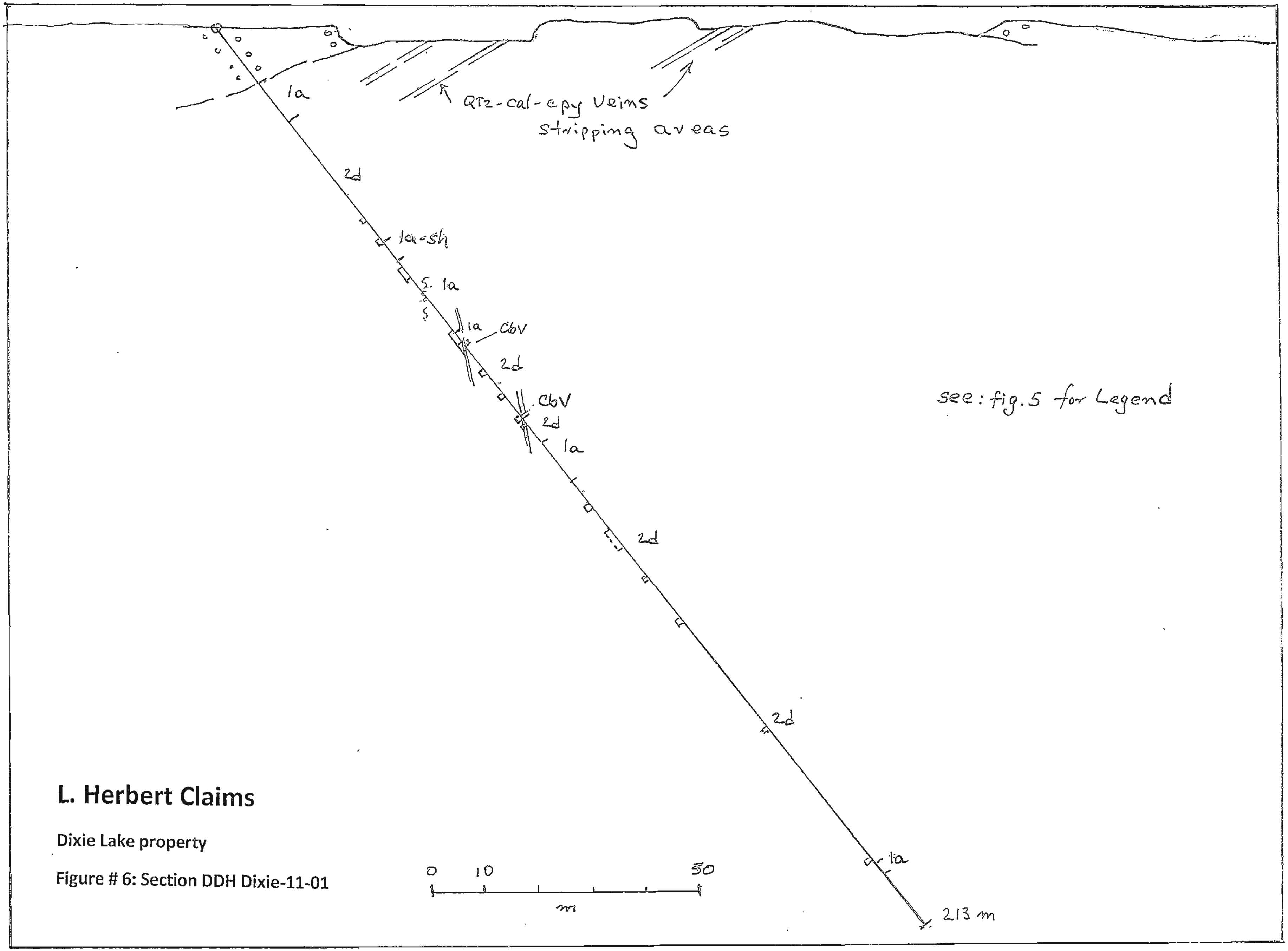
Dixie Lake property

Figure #4: DDH location; Au-As Carb Zone

Figure 5: GEOLOGICAL LEGEND

8. FELSIC INTRUSIVES
   a. Fine grained dikes
   b. Granodiorite
7. MAFIC INTRUSIVES
   a. Gabbro, fine grained
   b. Gabbro, coarse grained
   c. Pyroxenite
   d. Diorite
6. SUBVOLCANIC INTRUSIVES
   a. Quartz porphyry
   b. Quartz-feldspar porphyry
   c. Feldspar porphyry
5. CLASTIC METASEDIMENTS
   a. Argillite
   b. Wacke-sandstone
   c. Conglomerate, heterolthic
4. CHEMICAL METASEDIMENTS
   a. Chert-magnetite/hematite (oxide facies)
   b. Chert-sulphide (sulphide facies)
3. FELSIC VOLCANICS
   a. Massive flows, tuffs
   b. Tuffs, layered
2. INTERMEDIATE VOLCANICS
   a. Massive flows
   b. Tuffs, layered
   c. Lapilli tuff
   d.Breccia/congl. ?
1. MAFIC VOLCANICS
   a. Massive flows
   b. Pillowed flows
   c. Breccia units, flow or pyroclastic?
   d. Medium to coarse grained flows or gabbro
   e. Strongly tectonized mafic units

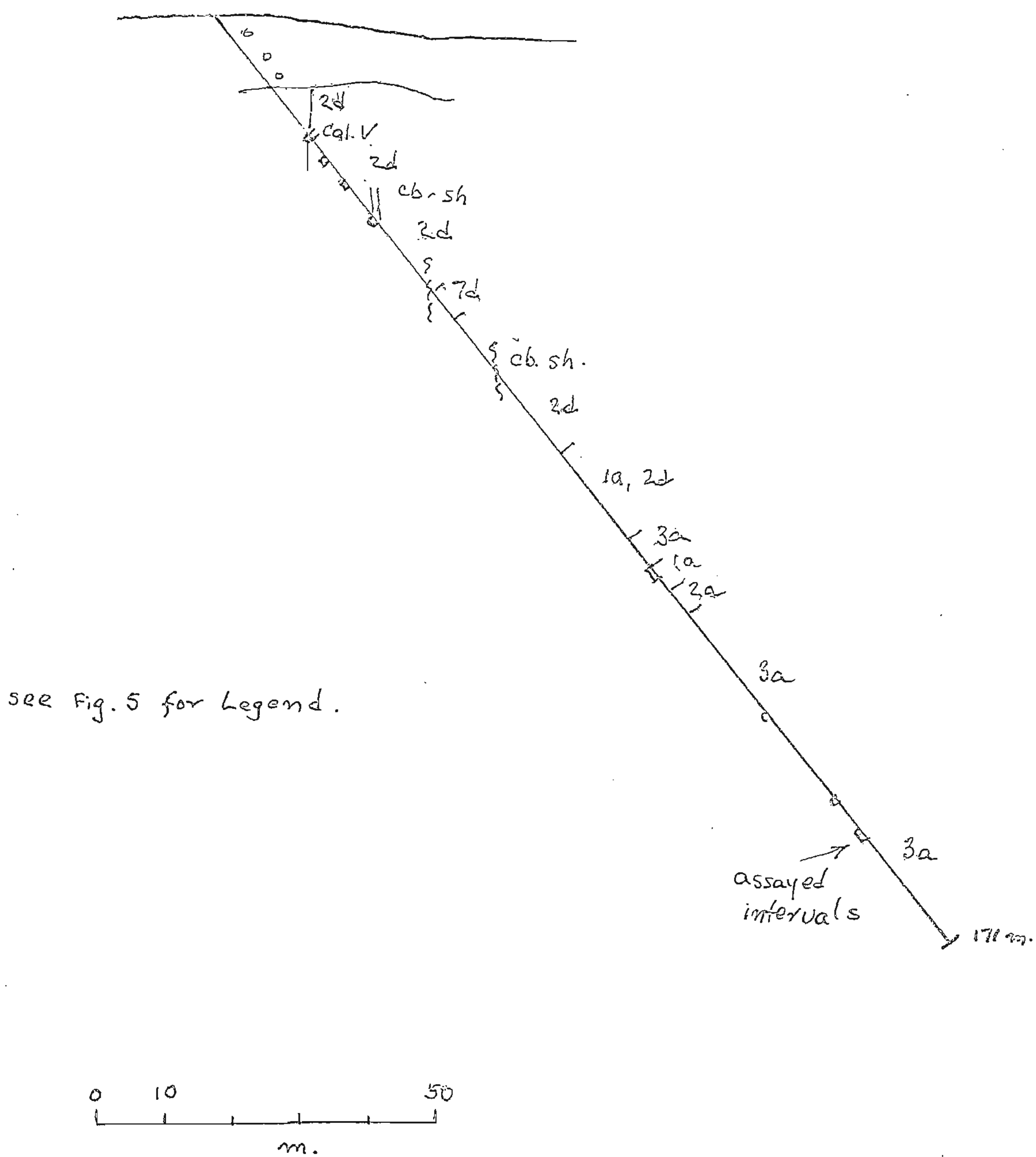
* all units are metamorphosed to Upper Greenschist-Amphibolite Grade



L. Herbert Claims

Dixie Lake property

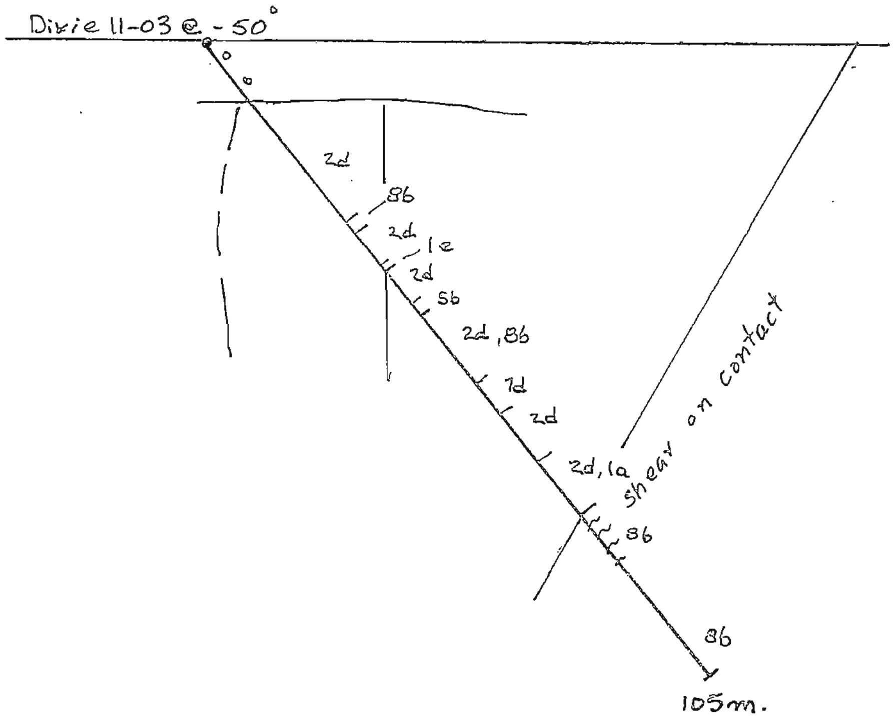
Figure # 6: Section DDH Dixie-11-01



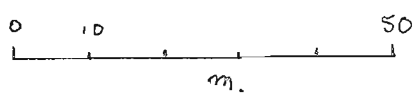
L. Herbert Claims

Dixie Lake property

Figure # 7: Section Dixie-11-02



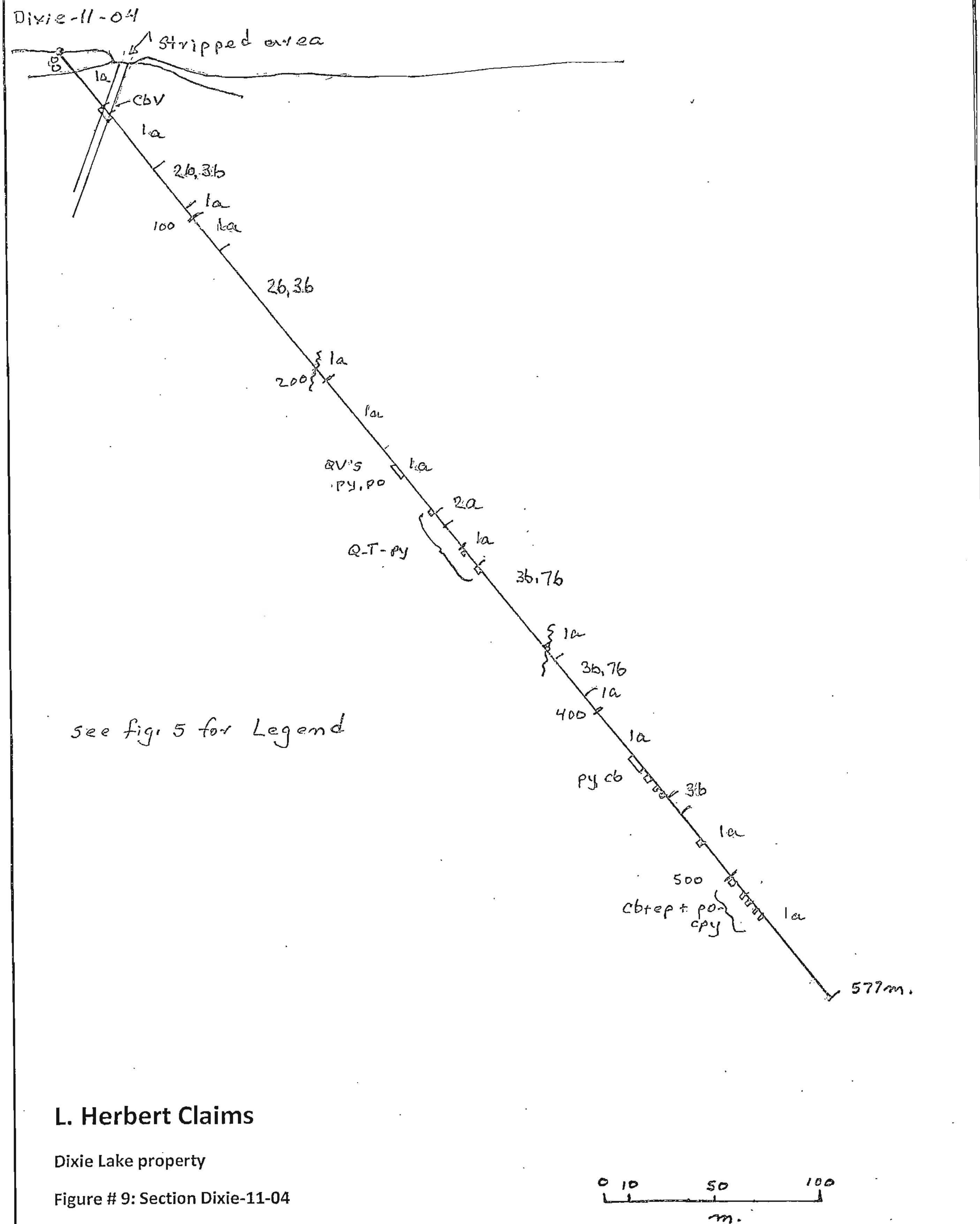
See Fig. 5 for Legend



L. Herbert Claims

Dixie Lake property

Figure # 8: Section Dixie-11-03



L. Herbert Claims

Dixie Lake property

Figure # 9: Section Dixie-11-04

Appendix #1

Hole Name	Published Name	Easting	Northing	Elevation	Total Hole Length	Wedge Length	Azimuth	Inclination	Core Diameter	Date Started	Date Finished	Logged By	Latitude	Departure
DIXIE-11-01		0455674	5628135		213.00		48.0	-50.0	NQ	Oct.21/11	Oct.22/11	A.P.Pryslak		

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11-01												
0.00	13.20	Cs										
13.20	22.30	Basalt	1a		fol. 0-15	Medium grained,black to dark grey, massive to banded, strongly biotitic with 10-20% green accicular amphiboles to 5mm; moderate pervasive calcite; minor knots of black tourmaline						
22.30	50.80	Int. volcanic breccia,	2d	epidote		epidotized clasts in a darker matrix, moderately magnetic; odd tourmaline knot to 1cm; 5% bands at 20-40cm with biotite-calcite alteration.						
						21.8-22.1: calcite-biotite-tourmaline						
						29.4:1cm QV @25 deg						
						32.0,5cm white calcite vein @ 35 deg.						
						32.3, 3cm calcite vein						
						44.5-45.5: 1-3mm qtz-cal veins , 0.5% diss cpy	797266	44.50	45.50	1.00		
						49.0-50: 10% cal veins, tr. Diss cpy	797267	49.00	50.00	1.00		
50.80	55.10	basalt	1a	bio-calcite	fol. 10-30	Black biotite-calcite unit, strongly foliated; likely sheared and altered breccia unit; minor tourmaline knots						
55.10	72.20	Int. volcanic breccia.	2d	epidote		Hard, silicified, medium to coarse breccia, epidotized clast; minor biotite-calcite veining to 1cm.						
						56.5-57: breccia with minot py,2% tourmaline, 3% cal veins @35 degrees	797268	56.50	57.00	0.50		
						57-57.5: 1% cpy,3% Q-cal veins, 2% tour.	797269	57.00	57.50	0.50		
						62.7,1cm pink calcite vein @ 50 deg.	797270	57.50	58.20	0.70		
						64.2, 2cm white calcite vein @ 50 deg.						
						65.5,65.65: calcite-tour veins at 55 deg.						
						69.7-70.3: 3mmX12cm reddish QV, cross-fol., minor cpy specs	797271	69.70	70.30	0.60		
							797272	70.30	71.00	0.70		
72.20	74.00	basalt	1a	bio-cal		Strong biotite-calcite-magnetite with relict breccia fragments	797273	72.70	73.50	0.80		
						2-3cm epidote-calcite vein with 1% cpy						
74.00	74.70	Calcite vein				white calcite with 20% accicular green amphiboles, 2% py-cpy; contacts at 15 degrees	797274	73.50	74.00	0.50		
							797275	74.00	74.70	0.70		
							797276	74.70	75.50	0.80		
74.70	85.00	Int. volcanic breccia	2d			minor epidotized clasts with bio-cal-magnetite alteration; spots with hbld ends at 79m						
						80-81: 5% calcite blebs, tr. cpy	797277	80.00	81.00	1.00		
						84; 1.5cm reddish QV at 60 degrees, X-foliation.						
85.00	86.00	Shear-basalt	1e	bio-cal		Strong biotite-calcite unit; 10% white calcite blebs; veining at 25 degrees; few specs cpy						
86.00	93.00	basalt	1e	bio-cal		Black, biotitic unit with hornblende metacrysts; minor calcite	797278	86.50	87.00	0.50		
						91.5-92: 1% py along a 1-2cm calcite vein	797279	91.50	92.00	0.50		
93.00	93.50	Carb vein	CbV			White to pink calcite-dolomite; 1% diss magnetite	797280	93.00	93.50	0.50		
93.50	99.70	Int. volcanic breccia	2d	epidote		Hard, silicified, heterolithic breccia; fragments are moderately epidotized. Minor calcite						
99.70	118.00	basalt	1a	bio	fol=5-10 deg.	Dark green to black aterered section with 8% coarse accicular amphiboles in a chloritic to biotitic(to 25%) base; 10-15% anastamosing calcite veinlets with few specs cpy	797281	112.00	113.00	1.00		
						110-113: 15% white calcite veining along core axis						
118.00	148.50	Int. volcanic breccia	2d	epidote	fol= 20	Massive,heterolithic, siliceous, epidotized breccia. Moderate pervasive calcite, weak biotite and no coarse amphiboles						
						118.5-119: 2-10mm calcite veins X-foliation	797282	118.50	119.00	0.50		
						119-119.5: 2.5cm QV with 5% py; X-fol.	797283	119.00	119.50	0.50		
						119.5-120: 1cm QV, barren	797284	119.50	120.00	0.50		
						122-122.5:7cm white QV at 35 deg, X-fol.	797285	122.00	122.50	0.50		
						121.7; 5cm cacite vein, 0.5% cpy; X-foliation						
						129.5-130: fracture controlled cpy blebs	797286	129.50	130.00	0.50		
						139.5-140: 1% disseminated cpy in a brown bio-carb vein, 1-5mm	797286	139.50	140.00	0.50		
						141-142: same brown bio-carb vein as above, but barren of cpy	797288	140.00	140.50	0.50		
						144.5-144.53: QV @ 60 degees, X-foliation, barren						
148.50	149.90	*Int tuff*	2b			Fine to med. grained, brown, biotitic, feldspathic and siliceous; no amphibles						
149.90	154.40	Int breccia	2d		fol= 10-20	moderate hornblende-biotite-calcite alteration; 15% coarse accicular amphiboles; 15% pervasive calcite; minor relict epidotized clasts						
154.40	176.00	Int breccia	2d			Darker than above unit, 10-20% epidotized, deformed relict clasts. Minor biotite, minor brown sections.	797289	165.20	166.20	1.00		
176.00	188.00	Int breccia	2d		fol=10-25 deg.	Sheared with 10-15% calcite as blebs and irregular veins; amphibole metacrysts.						
						175-176.5: fine grained, banded,brown tuff?						
				sericite		187.1-187.5: brown felsic tuff unit,as above;contacts at 15 deg.						

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11-01												
188.00	199.70	Int. breccia	2d			Grey, siliceous, weak biotite-hornblende. No calcite, except in shears	797290	196.60	197.50	0.90		
199.70	201.30	Basalt	1a			F. gr., black to dark green, hornblende-rich basalt. No chlorite 198.6-198.8: pink qtz-feld vein at 90 deg. Pegmatitic						
201.30	213.00	Int. breccia	2d			10-20% epidotized clasts to 2 cm, in a dark matrix. Quite siliceous						
213.00		E.O.H.										

Hole Name	Published Name	Easting	Northing	Elevation	Total Hole Length	Wedge Length	Azimuth	Inclination	Core Diameter	Date Started	Date Finished	Logged By	Latitude	Departure
Dixie 11-02		455674E	5628135		171.00		32.0	-50.0	NQ	Oct.21/11	Oct.22/11	A.P.Pryslak		

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11-02												
0.00	12.00	Casing										
12.00	12.60	Rubble										
12.60	36.70	Int. Vocanic Breccia	2d	epidote		Medium to coarse breccia with epidotized clasts; darker matrix with biotite-calcite-magnetite. Quite hard, siliceous. Occassional bleb black tourmaline to 5mm. 20.9-21.0: white, bully QV, 80 deg.						
						21.5-22.5: calcite-tourmaline veining+ magnetite	797291	21.50	22.50	1.00		
						25.3-25.8: 15% qtz-calcite veins	797292	25.30	25.80	0.50		
							797293	29.20	30.00	0.80		
36.70	36.90	Carb Shear				Massive, glassy, siliceous shear, breccia	797294	36.60	37.00	0.40		
36.90	50.00	Int. volcanic breccia	2d	epidote		Fine to coarse breccia,strongly silicified, epidotized with patchy calcite, pervasive to veinlets 38.5-47: fine clasts are dominant 37038,49-50: patces of tourmaline to 8mm, specs cpy						
50.00	55.70	Mafic dike	7d			F. gr., black, weakly foliated with pervasive calcite on margins 53.7-55: rubble, fault; 20 degrees						
55.70	68.40	Int. volcanic breccia	2d	epidote		Typical breccia with epidotized, mafic, amygdaloidal clasts; 65.2-66: mafic biotite-hbld-calcite band; shear @25 deg. 66.5-67.4: Black, massive biotite-hbld band.						
68.40	70.50	basalt	1a	calcite		sheared biotite-hornblend-calcite unit. 10% white calcite veins to 1cm.						
70.50	80.20	Int. volcanic breccia	2d	epidote		Strongly epidotized clast, amygdaloidal in a dark hbld-biotite matrix. Hard, silicified unit						
80.20	95.90	Basalt	1a			Dark grey to black, fine to medium grained, moderately foliated. 88.3-94: medium grained, strongly biotitic, possibly a gabbro 92.3-92.45: White glassy qtz pod at 20 degrees to ca.						
95.90	101.20	Rhyolite	3a			Grey,foliated to weakly banded, 10-15 degrees to ca, weakly feldspar phyric with 5% biotite						
101.20	106.50	basalt	1a			Dark green, chlorite-actinolite-biotite-calcite; calcite is diss., to veined	797295	101.40	102.30	0.90		
						101.4-103: 70% disrupted calcite veins	797296	102.30	103.10	0.80		
106.50	107.50	Rhyolite	3a		C = 15	Grey, siliceous with 5% biotite, minor sericite, minor py, mag.						
107.50	110.50	Intermediate volcanic	2a			Medium grained, dark grey,weakly banded, qtz-feld-bio-hbld with weak sericite, non-magnetic						
110.50	171.00	Rhyolite	3a			Grey, siliceous, well foliated; 3-4% biotite, minor white mica; minor deformed qtz and qtz-cal veining; resembles the rhyolite along the Dixie-South Bay mine trend.	797297	129.20	129.50	0.30		
						129.2-129.5; 137.95-138; 144.1-144.16: QVs with high core angles; massive py bleb in the latter vein.	797298	144.50	144.80	0.30		
						150.8-151.1: Qtz-chl-py vein	797299	150.80	151.10	0.30		
						151.9-152.4: 60% white qtz@70 degrees, fol@20 degrees	797300	151.90	152.40	0.50		
						157.5,2cm coarse calcite@15 degrees						
						161-161.5: 2cm calcite-tourmaline vein @15 degrees.						

171.00 E.O.H.

Hole Name	Published Name	Easting	Northing	Elevation	Total Hole Length	Wedge Length	Azimuth	Inclination	Core Diameter	Date Started	Date Finished	Logged By	Latitude	Departure
Dixie 11-03		0455674E	5628142N		105.00		140.0	-50.0	NQ	Oct.24/11	Oct.25/11	A.P.Pryslak; Jan.12-13/2012		

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11-03												
0.00	8.80	Casing	Cs									
8.80	29.00	Int. breccia	2d	epidote		Epidotized breccia with white calcite tringers, minor cpy						
						10.4-10.6: intermediate biotitic dike @ 45						
						10.7: 1cm QV @55, crosscutting fol.						
						12.3:1cm white Q-cal vein						
						12.5-13.1: specs cpy in black biotite alt'd zone + strong calcite						
						14.5-15.4: black biotitic phase						
						15.4-16..0: 1/2% cpy in dark biotitic phase	797212	15.40	15.00	0.60		
						16.7-18.2:10-15% white calcite stringers, irregular; no biotite						
29.00	31.10	Granodiorite	8b		C= 50	med. Gr. Foliated, biotitic						
						23.9-24.7: 15% QVs 5% calcite as stringers; tr. Cpy	797213	23.90	24.70	0.80		
31.10	36.10	Int. breccia	2d			Dark green amphibolitic with minor scattered epidotized clasts						
						31.1-31.7: white barren Q-cal vein						
						35.6-36.1: specs cpy along hairline fractures	797214	30.90	31.50	0.60		
36.10	36.80	Biotite-calcite shear	1e		F=60	Black, medium gr., biotitic unit with tr. Diss. Cpy						
36.80	43.30	Int. breccia	2d			Black, amphibolitic with 5-35% epidotized clasts; patchy diss. Magnetite						
						39.2: 2cm Qtz-cal vein at 45 deg.						
43.30	44.70	Clastic seds	5b			med.gr. Well foliated, biotitic seds. Specs cpy and wispy to pervasive calcite	797215	44.50	45.30	0.80		
44.70	47.70	Int. breccia	2d	epidote		Medium to coarse volcanic breccia; matrix is dark, amphibolitic						
47.70	48.10	sheared basalt	1e	calcite	Fol=35	15% white calcite stringers; biotite dominant over hbld; 3% magnetite						
48.10	49.30	Int. breccia	2d	epidote	Fol=45	Clast-rich breccia unit; strong epidote of clasts; bio-hbld matrix; minor weak bio-cal shears; minor diss. Magnetite						
49.30	50.20	Granodiorite	8b		Fol=45	Med. Gr. Grey, biotitic, foliated						
50.20	52.50	Int. breccia	2d	epidote		Coarse breccia, strong pervasive calcite, minor diss. cubes of py	797216	51.80	52.50	0.70		
52.50	52.80	Granodiorite	8b		Contact=55	Grey, biotitic, foliated						
52.80	56.90	Int. breccia	2d	epidote		Coarse, epidotized clasts; strong pervasive calcite, 1% diss py; tr. cpy	797217	54.00	55.00	1.00		
56.90	61.60	Diorite	7d		Fol=60	Dark grey, biotitic, spotted by 1-2mm clusters of hbld/bio; 1% diss cubes py; lower contact at 45						
61.60	64.70	Int. breccia	2d	epidote		Epidotized breccia with st.magnetite, minor cpy						
						62.7-63.1:cal-bio shear; 3% mt., 0.5% py	797218	62.60	63.60	1.00		
64.70	64.90	Granodiorte	8b			Pink granodiorite dike						
64.90	66.70	Int. breccia	2d	epidote		Coarse breccia with moderate diss. magnetite;weak bio-cal bands						
66.70	67.60	Mafic dike	7a		Contacts=45	F.gr. Black, massive						
67.60	69.50	Int. breccia	2d	epidote		Strongly magnetic breccia unit						
						68-69: qtz veinlets to1cm with cpy	797219	68.00	69.00	1.00		
69.50	69.90	Diorite	7d			Clotty, spotted diorite						
69.90	70.80	F.P.	7c			Dark grey to brown with a biotitic matrix; mino diss py, magnetite						
70.80	71.10	Diorite	7d			Grey, foliated, spotted diorite						
71.10	73.10	Mafic volcanic	1e			Sheared mafic volcanic and breccia; mod. magnetite	797220	71.10	72.00	0.90		
73.10	73.50	Diorite	7d		C=70	F.gr., black, spotted var.						
73.50	78.30	Basalt	1a			med. Gr., mod biotite, strongly fol, 5-8% calcite; tr. Cpy						
						74.0: 1cm white QV @20						
						74.5-75:2% diss py,minor mt in bio-hbld bands; 5% cal stringers	797221	74.50	75.00	0.50		
							797222	76.00	77.00	1.00		
78.30	105.00	Granodiorite	8b		C=70	Grey, biotitic to sericitic; mod sheared; minor bullt QVs						
					Fol=60	90.5-91.5: fol,5% cal veining	797223	90.50	91.50	1.00		
105.00		EOH										

Hole Name	Published Name	Easting	Northing	Elevation	Total Hole Length	Wedge Length	Azimuth	Inclination	Core Diameter	Date Started	Date Finished	Logged By	Latitude	Departure
Dixie11-04		0455643E	5628759N		577.00		140.0	-50.0	NQ	Oct.26/11	Oct.30/11	A.P.Pryslak; Jan.9-12/2012		

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11.04												
0.00	9.00	Casing										
9.00	31.00	basalt	1a		fol=60	med. Gr. Green, chlorite-hbld ; mod to strong calcite, mottled to laminatedby the calcite 17.5-18.5: 50% Qtz-cal veining, tr. Py 21.6-21.9: 20% Qtz-cal veins 23.6-23.68: massive Q-cal vein @60deg. 27.6-27.9: 50% Q-Cb V 29.2-29.7: 50% laminated carb vein @ 60 degrees						
31.00	31.90	Carb Vein	CbV			White, laminated with minor qtz-biotite; 5% late QVs to 2cm, tr. sphalerite, aspy,py	797225	31.00	32.00	1.00		
31.90	32.40	Mafic volcanic	1a			**amphibolitic with 2% py**	797226	32.00	32.40	0.40		
32.40	33.10	Carb Vein	CbV			White with 5-10% bands of biotitic unit; 1-5mm brecciated coloform cb veins; minor py, sph, aspy	797227	32.40	33.10	0.70		
33.10	36.50	basalt	1a			Dark green, massive , weak pervasive calcite						
36.50	38.80	Carb Vein	CbV			Qtz-ankerite vein, as above with minor biotitic bands, tr. py , odd grain sph, aspy?	797228	36.50	37.50	1.00		
							797229	37.50	38.20	0.70		
							797230	38.20	38.80	0.60		
38.80	68.80	basalt	1a		Fol=55	F.gr, dark green, laminated by moderate carb; minor pervasive calcite; variable diss magnetite 63.6-64.2: 50% banded to massive carb						
68.80	70.30	Diorite	7d		contacts=65	med gr, chlorite-hbld-plag-qtz-magnetite unit; well foliated						
70.30	72.00	Basalt	1a			Dark green varying from mafic to more intermediate						
72.00	72.70	Diorite	7d		C=50,65	same as above						
72.70	91.80	Int-felsic tuff	2b		Band=60	Dark grey-green to grey, plag dominant unit with moderate chlorite-biotite; minor sericite in more plag-rich bands; minor diss magnetite; 1% qtz and qtz-cb veins to 2cm with 2% py.						
91.80	96.00	Felsic tuff	3b		Band=65	very f gr, laminated qtz-plag unit with minor hbld-chl-bio bands; minor diss magnetite						
96.00	109.50	Mafic volcanic	1a		Fol=65	f gr, black, very hard unit, silicified; possibly altered felsic?; non-magnetic						
109.50	110.10	Gabbro	7b		C=65	Bright green hbld-chlorite dominant with minor plag, calcite, 1% diss magnetite						
110.10	122.50	Basalt	1a			fine gr, dark, glassy unit, possibly more felsic than appears 115.1-115.5: glassy, barren QV; contacts @65 and 40 degrees						
122.50	128.00	Felsic tuff	3b			Dark grey, laminated, siliceous; biotite is brownish; minor sericite;several narrow QFP bands/dikes? 125.3-125.5: green gabbro dike, foliated 126.7-126.8:: white bully QV @45 degrees						
128.00	130.00	Felsic tuff	3b		C-65	10% 1-2mm felds, minor bluish qtz eyes to 1mm; laminated tuff bands at 128.7-129.1						
130.00	146.00	Int. tuff	2b		Fol=65	Dark grey to black unit with interbands of more felsic, plag phyric unit; 50% hbld in more afic bands; 35% chlorite with the more felsic bands 137-138.4: mainly plag phyric tuff interbanded with an aphanitic tuff 132.6-132.75: irregular QV, bully, barren 144.6: 1cm brecciated Qz-cb vein; calcite matrix						
146.00	165.40	Felsic tuff	3b	sericite	Bed=65	Finely bedded, light grey, weakly sericitc; 5-10% bio-chl-amph; minor coarse diss magnetite 160.8-161.1: old fault zone annealed by silica.						
165.40	167.60	Gabbro	7a			Fine-med gr; dark green, chloritic, moderate pervasive calcite; 3% deformed pegmatitic veins to 2cm.						
167.60	178.00	Felsic tuff	3b			Massive to banded moderately chloritic with some biotite 171-171.3: qtz-cal veins to 4cm at 20 degrees 175.8-176: green gabbro dike at 75 deg.						
178.00	182.00	Lapilli tuff	3b	sericite	contacts=65	10-20% grey, siliceous lenses as clasts in a felsic matrix with qtz eyes; moderate chlorite-sericite						
182.00	191.60	Int. volcanic	2a		Fol=50	Grey, massive unit with moderate chlorite; flecs of biotite alonf fol planes 186.9, 187.3: black tourmaline veins to 3cm						
191.60	191.80	FAULT				Gouge						
191.60	217.10	Mafic volcanic	1a			Fine gr, dark green, chloritic, moderate pervasive calcite; banded past 211m; spotted by black hbld 193: 15cm band of annealed faut breccia 198.6-198.8:massive brecciated ankerite vein@65 deg.						
217.10	217.90	Gabbro	7b		C=75	Hornblende phyric, weakly fol						
217.90	221.40	Mafic volcanic	1a			Green, chloritic with hbld spots; minor magnetite						
221,4	222.00	Granodiorite	8b		C=65	Aphanitic, reddish-brown dike						
222.00	225.40	Mafic volcanic	1a			Green, spotted variety , as above						
225.40	225.80	Granodiorite	8b		C=70	Med gr, epidotized and reddish staining						

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11.04												
225.80	241.40	Mafic volcanic	1a			Dark green, massive to spotted variety; moderate pervasive calcite						
241.40	242.00	Clastic seds	5b			Grey to green, banded , moderate feldspar content; minor pods qtz to 5cm						
242.00	243.00	Mafic volcanic	1a			as above						
						238.4-238.5: white bully QV						
243.00	244.30	Gabbro	7b			Coarse gr, dark green, chloritic with strong pervasive calcite; locally brecciated; U contact on a slip plane @35 deg; Lconatact @55 deg.						
244.30	267.20	Mafic volcanic	1a			Dark green, strongly fol, chloritic basalt; minor amphibole as black spots						
						249.6-250.5: 10, 5-10mm Qcb veins with 10% py-po	797231	249.60	250.50	0.90		
						250.5-251.1: bleached,50% qtz-cb veins, disrupted coloform to 2cm; 1-2% py-po, tr sph-galena (carb shear)	797322	250.50	251.10	0.60		
						255-255.8: 7% irreglat QVs with 3% po, minot py	797233	255.00	255.80	0.80		
						258.3-259: 10% QVs with tr to 10% po, minor py	797234	258.30	259.00	0.70		
267.20	268.70	Felsic tuff	3b			Fine gr, grey, massive, feldspathic unit; contacts gradational over 2-3cm						
						267.8-267.9: brke ankerite vein with late qtz-tourmaline						
268.70	276.10	Mafic volcanic	1a			Fine gr, well fol, chloritic						
						268.8; 1.5cm QV @ 45						
						269; 2cm Q-T vein; contacts 45 & 90 deg.						
						271.2-73: irregular QVs with minor calcite						
						278.3-279: 60% Q-Tour veining, 10% choritic inclusions,5% py	797235	278.30	279.00	0.70		
276.10	277.60	Diorite	7d			Moderate feldsar-biotite ; foliated						
277.60	280.00	Mafic volcanic	1a		Fol=60	Dark green, chloritic, subtle banding with variation in feld content						
						278.3-279: 50% QV with tourmaline, 5% py		278.30	279.00	0.70		
280.00	287.50	Int. volcanic	2a			Quite feldspathic; mod chlorite, minor hbld, sericite						
287.50	294.70	basalt	1a			Fine gr, dark green, chloritic with minor hbld as metablastic to 1mm; not the spotted variety						
294.70	297.50	basalt	1a	carb	Fol=60	Strongly chloritic and laminated by lesoid calcite						
297.60	299.50	basalt	1a	carb		Mafic volcanic dark green spotted by 10% 0.5-1.0mm non-effervescent carb						
						291.3-291.5: 15% Q-tour veins, 2% po-py						
						292.3-292.35: Q-T vein @65; 2% po-py						
						299.5; 5cm Q-T V @ 60 deg						
299.50	310.10	basalt	1a			Green mafic volcanic with Q-T veins						
						304.3-304.9: 20% QTVs, 2% po-py	797236	304.30	304.90	0.60		
						305.2-305.6: 20% QTVs, barren of sulphides						
310.10	311.40	Granodiorite	8b			Coarse gr, grey-green, altered; annealed fault on upper contact						
311.40	328.70	Felsic volcanic	3b	sericite		Finely banded on a cm scale; biotite-sericite dominant over chlorite; minor QT veining and minor py.						
						313; 10cm bully QV @ 45						
						313.5-313.7: QTV with 5% py	797337	313.50	313.80	0.30		
						314.6-315.6: 20% QTVs, minor cb-py	797338	314.60	315.60	1.00		
						321.8-321.9: QTV, irregular						
328.70	332.90	Gabbro	7b		Fol=60	Medium gr, massive, mottled by non-effervescent carb						
332.90	353.00	Felsic tuff	3b			Fine gr, grey, slatey to green, chloritic; more felsic bands are weakly sericitic						
						342.8-342.9: QV, barren						
						349.2-349.6: FAULT ZONE, rusty stained						
						351.3-351.4: QV, barren						
353.00	354.20	basalt	1a		Fol=65	Dark green, chloritic, subtle banding with variation in feld content						
354.20	359.70	Felsic volcanic	3b			Finely laminated tuff; chloritic with strong feldspathic content						
359.70	360.10	Gabbro	7b	sil		Fractured, bleached with silica-calcite matrix; annealed fault						
360.10	361.00	Felsic volcanic	3b			as above						
361.00	363.00	Mafic volcanic	1a			Green, chloritic, well foliated						
363.00	363.70	FAULT	FLT	epidote		mafic breccia with olive green, calcite-epidotized clasts						
363.70	365.80	Mafic volcanic	1a			Dark green, chloritic; 5% white calcite threads						
365.80	366.70	Felsic volcanic	3b			Laminated, mixed with minor mafic bands						
366.70	367.00	Mafic volcanic	1a			Dark green, chloritic						
367.00	367.20	Granodiorite	8b			Reddish, aplitic, siliceous						
367.20	368.60	Mafic volcanic	1a			Dark green, chloritic; 5% calcite stringers						
368.60	376.30	Felsic volcanic	3b			Med gr, grey-green, feldspathic, siliceous with moderae chlorite-biotite; becomes finer grained, biotite dominant, near argillite at 375.						
376.30	377.30	Gabbro	7b			Medium gr,medium green,chlorite-amphibole and minor biotite-calcite						
377.30	387.60	Felsic tuff	3b			Slaty grey, banded,, near argillite but not argillite; very fine chlorite and biotite noted						

Depth From	Depth To	Lithology	Litho Code	Main Alteration	Structure	Description	Sample Number	Depth From	Depth To	Width	Au (g/t)	Au (oz/t)
DIXIE-11.04												
387.60	390.10	Int. volcanic	2a			Massive, grey-green, siliceous with bio-chlorite both present; foliated, but not banded.						
390.10	390.90	Gabbro	7b			Dark green, chl-amphibole unit; 5% calcite stringers; lower contact as a annealed fault breccia over 15cm.						
390.90	437.20	Mafic volcanic	1a			Mafic to intermediate unit						
						404-405.5: 10-12% carb veining						
						410-411.5: 5% irregular QVs, chloritic inclusions						
						415.5-415.6: banded , barren QV; minor carb+ chloite						
						430-430.65: 1%py,5% Cb	797209	430.00	430.65	0.65		
						430.65-431.4: 2% py, 3% Cb	797210	430.65	431.40	0.75		
						432-432.65: 1% py, 3% Cb	797211	432.00	432.65	0.65		
						433-433.65:3% py, 6% Cb	797207	433.00	433.65	0.65		
						433.65-434.3: 1% py	797208	433.65	434.30	0.65		
						434.3- 435: 1% py	797204	434.30	435.00	0.70		
						435.1-435.5: 1% py	797202	435.00	435.50	0.50		
						435.5- 436.7: QFP, 2% py	797201	435.50	436.70	1.20		
							797203	438.00	438.50	0.50		
437.20	449.00	basalt	1a			Dark green, chloritic, minor carb veining; 1% diss py	797244	442.50	443.50	1.00		
							797245	443.50	444.20	0.70		
449.00	450.10	QFP	6b			Grey, biotitic, strongly fol 60 degrees; 1% diss py	797246	449.00	450.10	1.10		
450.10	455.90	basalt	1a			Similar to above, chloritic, minor biotite, moderate black long amphiboles;5% qtz-carb veining to 1.5cm.						
455.90	458.10	Felsic volcanic	3b			Grey-green, strongly feldspathic with minor chlorite-biotite in bands; up to 1% po-py	797247	455.90	456.90	1.00		
458.10	466.60	basalt	1a			Dark green, chloritic, minor biotite-hbld-carb						
						462.3-463 and 453.6-465: sheared, biotitic+ carb						
466.60	467.10	Felsic volcanic	3b		C = 60	Grey, siliceous, massive to banded, weak sericite						
467.10	511.00	basalt	1a			Black, medium grained amphibolitic, possibly some dikes. Carb-epidote banding and minor sections with qtz amygdules.Very coarse accicular amphiboles for approx. 1.0m on upper contact with felsics-not anthophilite	797248	479.70	480.70	1.00		
						479.7-480.7: tr.po,py,cpy with strong epidote bands	797249	501.00	501.80	0.80		
							797250	503.30	504.00	0.70		
511.00	540.50	basalt	1a			Strong epidote alteration with minor diss po-py-cpy	797260	513.00	514.00	1.00		
						Pillowed and breccia common; amygdaloidal	797261	517.00	518.00	1.00		
						519.5-526.2: strong epidote,1-3% tourmaline,minor po-cpy	797262	519.50	520.50	1.00		
						534-540.5: moderately sheared at 70 deg.	797263	525.10	526.20	1.10		
540.50	553.50	basalt	1a			More massive, uniform from above unit moderate epidote, carb						
553.50	562.20	basalt	1a			Black, amphibolitic, weakly banded; minor bio-calcite, no epidote	797265	566.00	566.70	0.70		
562.20	577.00	basalt	1a			Dark green, chloritic, minor pervasive calcite, 3% tourmaline knots thro'out, minor py	797241	576.10	577.00	0.90		
577.00		E.O.H.										

Appendix #2

Element	Au	AUGT	Wt
Method	FAA515	FAA515	WGH79
Det.Lim.	5	0.01	0
Units	ppb	g/t	kg
797201	10	<0.01	1.30
797202	5	<0.01	1.70
797203	<5	<0.01	1.70
797204	5	<0.01	1.10
797205	35	0.03	2.10
797206	65	0.06	1.30
797207	5	<0.01	1.40
797208	<5	<0.01	1.40
797209	<5	<0.01	1.50
797210	<5	<0.01	1.90
797211	<5	<0.01	1.30
797212	25	0.02	1.50
797213	<5	<0.01	1.80
797214	<5	<0.01	1.20
797215	5	<0.01	2.30
797216	<5	<0.01	1.80
797217	<5	<0.01	2.30
797218	<5	<0.01	2.10
797219	<5	<0.01	2.40
797220	<5	<0.01	2.10
797221	<5	<0.01	1.30
797222	<5	<0.01	2.30
797223	<5	<0.01	2.10
797224	<5	<0.01	2.10
797225	<5	<0.01	2.00
797226	<5	<0.01	1.00
797227	<5	<0.01	1.60
797228	<5	<0.01	2.20
797229	<5	<0.01	1.70
797230	<5	<0.01	1.20
797231	<5	<0.01	2.00
797232	<5	<0.01	1.30
797233	<5	<0.01	1.70
797234	<5	<0.01	1.60
797235	135	0.13	1.40
797236	<5	<0.01	1.40
797237	<5	<0.01	0.80
797238	<5	<0.01	2.10
797239	<5	<0.01	2.30
797240	<5	<0.01	2.20
797241	<5	<0.01	1.90
*Dup 797201	<5	<0.01	--
*Dup 797225	10	<0.01	--

SGS

Element	Au	AUGT	Wt
Method	FAA515	FAA515	WGH79
Det.Lim.	5	0.01	0
Units	ppb	g/t	kg
797051	<5	<0.01	1.50
797052	<5	<0.01	1.30
797053	5	<0.01	1.60
797054	<5	<0.01	1.10
797055	<5	<0.01	1.50
797056	<5	<0.01	0.80
797057	<5	<0.01	1.30
797242	20	0.02	1.00
797243	<5	<0.01	1.00
797244	<5	<0.01	2.10
797245	<5	<0.01	1.60
797246	<5	<0.01	2.20
797247	<5	<0.01	2.20
797248	5	<0.01	1.90
797249	<5	<0.01	1.90
797250	<5	<0.01	1.50
797260	<5	<0.01	1.70
797261	<5	<0.01	2.40
797262	<5	<0.01	2.30
797263	<5	<0.01	2.60
797264	<5	<0.01	2.90
797265	<5	<0.01	1.60
797266	25	0.02	2.30
797267	5	<0.01	2.50
797268	<5	<0.01	1.20
797269	5	<0.01	1.20
797270	<5	<0.01	1.90
797271	<5	<0.01	1.40
797272	<5	<0.01	1.80
797273	10	<0.01	1.70
797274	<5	<0.01	1.30
797275	<5	<0.01	1.60
797276	<5	<0.01	1.90
797277	10	<0.01	2.20
797278	15	0.01	1.60
797279	15	0.02	1.30
797280	<5	<0.01	1.10
797281	<5	<0.01	2.30
797282	5	<0.01	1.10
797283	50	0.05	1.40
797284	<5	<0.01	1.20
797285	<5	<0.01	1.20
797286	15	0.01	1.00

Element	Au	AUGT	Wt
Method	FAA515	FAA515	WGH79
Det.Lim.	5	0.01	0
Units	ppb	g/t	kg
797287	10	<0.01	1.40
797288	15	0.01	1.20
797289	<5	<0.01	2.20
797290	<5	<0.01	2.10
797291	10	<0.01	2.50
797292	<5	<0.01	1.00
797293	<5	<0.01	1.90
797294	<5	<0.01	0.90
797295	<5	<0.01	2.00
797296	<5	<0.01	1.90
797297	<5	<0.01	0.50
797298	<5	<0.01	0.60
797299	<5	<0.01	0.60
797300	<5	<0.01	1.20
*Dup 797051	<5	<0.01	--
*Dup 797268	<5	<0.01	--
*Dup 797292	15	0.02	--

SGS

Element	Ag@	Al@	As@	Ba@	Be@	Bi@	Ca@	Cd@	Co@	Cr@
Method	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B
Det.Lim.	2	0.01	3	1	0.5	5	0.01	1	1	1
Units	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
797201	<2	6.87	5	635	1.1	<5	2.29	<1	10	20
797202	<2	7.49	9	60	<0.5	12	8.00	<1	41	303
797203	<2	7.26	<3	39	0.8	23	5.49	<1	39	231
797204	<2	7.37	4	41	<0.5	9	6.33	<1	52	318
797205	<2	7.60	19	125	<0.5	7	11.8	<1	40	276
797206	<2	7.38	22	110	<0.5	<5	12.2	<1	45	232
797207	<2	7.08	6	191	0.6	9	8.00	<1	38	265
797208	<2	7.09	<3	79	0.6	11	7.19	<1	47	301
797209	<2	7.09	8	154	<0.5	8	6.38	<1	43	287
797210	<2	7.12	8	204	0.6	6	6.30	<1	37	286
797211	<2	7.69	7	81	<0.5	10	7.00	<1	50	386
797212	<2	6.26	4	18	<0.5	19	12.4	<1	35	135
797213	<2	6.04	3	1070	<0.5	13	8.08	<1	43	142
797214	<2	5.63	4	134	0.5	5	11.6	<1	14	53
797215	<2	8.16	6	467	0.9	27	7.93	<1	30	195
797216	<2	6.65	8	26	0.6	21	11.9	<1	30	150
797217	<2	6.93	11	64	0.7	21	11.0	<1	29	101
797218	<2	6.49	4	245	0.7	19	12.3	<1	31	127
797219	<2	6.73	7	14	0.6	22	12.3	<1	38	141
797220	<2	6.69	5	55	0.5	18	12.2	<1	38	50
797221	<2	7.72	<3	223	0.7	18	5.92	<1	47	130
797222	<2	7.18	<3	137	0.8	15	7.44	<1	27	83
797223	<2	4.75	<3	361	0.7	<5	2.88	1	7	18
797224	<2	4.10	<3	58	0.6	<5	12.1	<1	28	80
797225	<2	3.15	336	221	0.6	<5	13.7	<1	29	64
797226	<2	7.51	64	429	1.2	<5	7.71	<1	36	126
797227	<2	2.54	178	175	<0.5	<5	14.3	<1	26	33
797228	<2	3.22	92	221	<0.5	<5	12.1	<1	26	59
797229	<2	1.53	31	67	0.6	<5	>15	<1	27	39
797230	<2	4.83	15	303	0.6	<5	10.2	<1	37	136
797231	<2	7.87	<3	206	0.8	13	1.90	<1	57	275
797232	2	3.58	3	142	<0.5	<5	7.76	8	22	72
797233	<2	6.92	<3	167	<0.5	10	3.86	<1	47	218
797234	<2	10.1	3	358	1.0	18	2.16	<1	38	338
797235	<2	4.15	4	86	0.6	<5	0.37	<1	19	73
797236	<2	5.01	<3	107	0.7	<5	0.53	<1	17	38
797237	<2	6.34	<3	118	0.7	12	4.88	<1	151	63
797238	<2	8.59	4	390	1.7	10	2.23	<1	15	30
797239	<2	7.31	35	119	<0.5	10	8.57	<1	41	142
797240	<2	7.93	48	87	<0.5	11	9.75	<1	55	205
797241	<2	8.28	3	242	<0.5	7	5.77	<1	47	209
*Rep 797216	<2	6.75	7	26	0.6	20	12.0	<1	31	165

SGS

Element	Cu@	Fe@	K@	La@	Li@	Mg@	Mn@	Mo@	Na@	Ni@
Method	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B
Det.Lim.	0.5	0.01	0.01	0.5	1	0.01	2	1	0.01	1
Units	ppm	%	%	ppm	ppm	%	ppm	ppm	%	ppm
797201	10.6	2.41	1.16	28.4	23	0.98	367	2	3.03	26
797202	87.7	7.17	0.24	22.4	19	3.00	1470	<1	1.30	157
797203	49.0	7.94	0.24	13.8	18	3.98	1300	<1	1.19	155
797204	105	7.74	0.16	21.2	20	2.97	1340	<1	1.72	200
797205	819	6.12	0.37	9.0	12	2.52	1670	<1	1.57	216
797206	1140	6.33	0.31	7.6	10	2.13	1550	<1	1.23	190
797207	92.3	6.42	1.01	35.8	25	2.94	1470	<1	1.77	160
797208	64.9	7.36	0.28	20.9	21	2.90	1450	<1	1.45	206
797209	91.3	6.94	0.87	21.1	30	3.69	1180	<1	1.59	190
797210	84.5	6.62	1.22	39.8	32	4.24	1290	<1	2.09	177
797211	72.0	7.56	0.35	20.7	22	3.29	1340	<1	1.55	232
797212	906	8.30	0.15	9.6	6	2.23	1990	1	0.40	104
797213	39.8	7.63	2.16	9.5	32	2.38	1590	<1	1.23	90
797214	2.4	3.43	0.44	8.2	12	1.12	2120	1	2.24	37
797215	148	8.87	1.35	11.2	24	2.41	1790	<1	1.76	93
797216	80.5	7.75	0.21	13.0	8	2.70	1910	<1	0.79	78
797217	66.4	6.59	0.22	13.8	6	2.08	1950	6	1.82	51
797218	148	6.30	0.75	10.4	15	2.32	1960	1	2.45	75
797219	176	9.52	0.06	10.0	4	2.49	2240	<1	0.23	70
797220	121	7.98	0.33	6.2	10	2.34	2310	<1	0.80	80
797221	271	7.16	1.08	8.7	21	3.17	1320	6	2.09	91
797222	36.4	7.23	0.74	11.0	18	2.23	1780	5	1.75	95
797223	6.4	1.85	2.16	25.4	26	1.65	509	1	0.06	18
797224	49.3	6.01	0.42	6.8	21	4.98	1640	1	0.62	108
797225	38.2	5.85	0.59	3.3	21	5.46	1980	4	0.15	101
797226	21.6	4.86	1.25	12.1	55	3.49	1170	1	0.75	119
797227	29.3	5.96	0.57	8.1	16	5.98	2070	3	0.17	87
797228	48.2	5.20	0.50	5.0	16	5.18	1550	2	0.26	97
797229	21.3	6.58	0.16	3.6	14	7.51	2310	7	0.03	89
797230	74.4	5.23	0.72	9.5	38	4.34	1490	1	0.29	98
797231	170	9.55	1.11	15.0	12	1.67	2190	<1	0.46	199
797232	91.0	6.18	0.42	5.5	9	3.10	3500	<1	0.38	59
797233	164	7.15	0.82	6.6	14	1.69	1450	<1	0.75	146
797234	108	8.85	1.36	17.9	23	1.70	1360	<1	1.04	164
797235	67.6	6.20	0.29	15.9	20	0.77	1410	3	0.10	58
797236	50.0	5.53	0.65	24.5	8	0.84	1240	2	0.23	40
797237	415	7.66	0.21	18.6	17	1.58	1520	1	1.37	132
797238	36.4	4.78	0.88	30.9	32	1.06	797	1	1.76	44
797239	149	7.70	0.43	7.2	16	3.67	1200	<1	1.24	69
797240	400	7.18	0.34	6.1	14	2.82	1140	1	1.36	110
797241	234	8.54	0.95	3.9	28	5.49	1320	<1	2.10	100
*Rep 797216	86.4	7.99	0.21	13.0	8	2.75	1940	<1	0.80	81

Element	P@	Pb@	Sb@	Sc@	Sn@	Sr@	Ti@	V@	W@	Y@
Method	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B	ICP40B
Det.Lim.	0.01	2	5	0.5	10	0.5	0.01	2	10	0.5
Units	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
797201	0.04	2	<5	5.5	<10	209	0.25	42	<10	9.1
797202	0.11	4	<5	39.5	<10	439	0.47	184	<10	16.7
797203	0.08	2	<5	26.9	<10	345	0.76	175	<10	17.8
797204	0.10	3	5	39.5	<10	366	0.47	177	<10	16.3
797205	0.04	3	7	33.9	<10	218	0.30	162	<10	10.8
797206	0.04	5	<5	27.9	<10	222	0.26	137	<10	10.0
797207	0.12	3	<5	29.7	<10	337	0.41	155	<10	14.3
797208	0.10	3	<5	35.8	<10	386	0.44	164	<10	15.9
797209	0.10	3	<5	36.2	<10	494	0.44	172	<10	15.8
797210	0.13	3	<5	29.3	<10	440	0.39	151	<10	14.6
797211	0.11	2	6	38.0	<10	466	0.46	168	<10	15.2
797212	0.05	9	<5	20.6	<10	338	0.56	146	<10	13.7
797213	0.05	6	<5	20.1	<10	189	0.56	144	<10	12.9
797214	0.03	8	<5	12.0	<10	265	0.30	73	<10	9.8
797215	0.07	11	<5	27.4	<10	379	0.75	197	<10	16.7
797216	0.06	15	<5	22.3	<10	469	0.61	153	<10	15.9
797217	0.08	18	<5	20.3	<10	467	0.64	151	<10	15.9
797218	0.06	9	<5	21.8	<10	443	0.59	153	<10	14.6
797219	0.06	13	6	22.7	<10	319	0.63	156	<10	14.8
797220	0.04	9	<5	21.4	<10	252	0.55	155	<10	15.2
797221	0.05	7	6	24.4	<10	292	0.64	176	<10	19.5
797222	0.06	11	<5	17.6	<10	258	0.55	137	<10	14.2
797223	0.01	2	<5	2.4	<10	45.8	0.11	16	<10	7.0
797224	0.03	<2	<5	17.5	<10	150	0.19	102	<10	8.6
797225	0.02	2	<5	11.7	<10	138	0.06	74	<10	5.6
797226	0.08	7	<5	16.2	<10	280	0.13	123	<10	9.3
797227	0.02	5	<5	7.7	<10	126	0.06	45	<10	6.4
797228	0.03	3	<5	13.0	<10	143	0.09	76	<10	6.9
797229	0.02	3	<5	6.4	<10	112	0.02	37	<10	5.2
797230	0.06	4	<5	19.1	<10	154	0.08	108	<10	10.4
797231	0.09	26	<5	28.7	<10	137	0.50	195	<10	16.5
797232	0.03	585	<5	13.0	<10	94.4	0.23	84	<10	7.0
797233	0.06	13	<5	22.4	<10	179	0.44	155	<10	9.8
797234	0.11	17	<5	34.3	<10	230	0.65	244	<10	16.1
797235	0.04	12	<5	10.1	<10	21.6	0.21	73	<10	8.6
797236	0.04	6	<5	10.6	<10	55.6	0.21	70	<10	9.5
797237	0.11	10	<5	13.4	<10	174	0.51	109	<10	13.4
797238	0.10	12	<5	13.1	<10	301	0.49	100	<10	13.1
797239	0.04	<2	6	45.5	<10	161	0.45	227	<10	16.3
797240	0.03	<2	6	41.1	<10	205	0.37	196	<10	14.1
797241	0.02	2	<5	51.3	<10	154	0.35	245	<10	15.5
*Rep 797216	0.06	18	<5	22.1	<10	475	0.62	151	<10	15.8

SGS

Element	Zn@	Zr@
Method	ICP40B	ICP40B
Det.Lim.	1	0.5
Units	ppm	ppm
797201	26	88.4
797202	74	42.7
797203	111	49.1
797204	80	38.0
797205	62	16.5
797206	57	14.6
797207	74	56.9
797208	77	44.8
797209	88	40.5
797210	102	62.8
797211	85	36.7
797212	88	26.8
797213	126	21.7
797214	65	26.7
797215	119	39.3
797216	110	31.2
797217	92	49.9
797218	90	27.3
797219	93	32.2
797220	89	25.1
797221	137	36.2
797222	131	43.3
797223	185	83.9
797224	68	39.3
797225	62	22.6
797226	65	107
797227	60	43.4
797228	63	28.9
797229	79	17.7
797230	85	54.8
797231	450	62.4
797232	638	31.5
797233	153	49.2
797234	216	71.5
797235	238	58.1
797236	196	94.9
797237	104	98.0
797238	87	138
797239	43	25.8
797240	39	18.6
797241	66	12.9
*Rep 797216	111	31.5