

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
0 to 9.14	CASING					
9.14 to 19.52	DACITE - LAPILLI TUFF (GMS)	Colour - lt. grey, green mottled Grain size - med. gr Classic GMS - some 30% vitric clasts (chloritic & fsp porphyry) Remaining cherty and felsic frags - frag supported	fol'n mod. at 60 ctc grad.	relatively unaltered. Ser pick up into contact	0-1% in the area of contact	Geochem 3776 11.80 - 14.70m
19.52 to 19.53	FAULT	Colour - white Gouge - clay & minor sericite	85			
19.53 to 22.45	DACITIC ASH & LAPILLI TUFF Interbeds	Colour - lt. grey to v. pale yellow-green Grain size - fine Sequence of Dacite-Lapilli Tuff lapilli fine to med. grain (<1 - 3mm) 19.84 - 19.88: Dacitic Lapilli Tuff bed. Lapilli appear to be coalesced or rolled accretionary ? on vesiculated tuff. 20.81 - 20.83: Fault - lt. green gouge zone with clay & ser.	fol'n 70 strong 2nd fol'n 30 crenul- ated	Strong sericite alteration of ashes give rocks a more mafic look (green)	10-15% py in ash as veinlets and diss fine laminae sheared out along fol'n planes ? 2 % py	fol'n & alt'n begin here Assay 3777 20.77 - 22.27m
22.45 to 23.62	DACITIC LAPILLI TUFF/ASH interbeds	Colour - lt. grey to green Grain size - fine to med. Fragments up to 3cm, siliceous and sub-rounded. Pale green sericite in matrix.		Sericite strong in ash component and matrix of tuff. Chlorite infilling vein-like perpendicular to foliation.	5-10% py. Possible welded py frags.	Distinctive chloritic gash-like infills Assay 3778 22.45 - 23.62m

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23.62 to 26.1	DACITIC LAPILLI TUFF (GMS)	Colour - lt. grey-green Grain size - fine to med. Distinctive 3-4mm vitric lapilli constitute 10% of unit. Foliation crenulated and strong		Sericite moderate	2-3% very fine diss. py	Finer grained GMS unit than usual Geochem 3779 23.62 - 25.91m
26.1 to ?	FAULT	unknown width - core loss. Possibly very sericite altered ashes				
26.1 to 27.97	DACITIC ASH	Colour - lt. yellow to pale green Grain size - fine Very strong fol'n with crenulations developed. Occasional more competant zones of possible lapilli.	70	Strong sericite	10-15% py 3-4cm zones of up to 25% py, possible sheared beds	Assay 3780 26.1 - 27.97m
27.97 to 28.92	DACITIC LAPILLI TUFF	Colour - lt. grey-white Grain size - med. Distinct felsic lapilli. Monolithic - occasional vitric lapilli. Lapilli-rich; numerous py lapilli or altered to py lapilli Crenulation persists despite more competent unit	70	Some chlorite. Moderate sericite	Py 7-10% in sheared out blebs resembling frags Cp bleb noted	Assay 3781 27.97 - 28.92m
28.92 to 29.76	ANDESITIC LAPILLI TUFF/ASH interbeds	Colour - lt. grey green Grain size - fine Sericitized ash units mixed with lapilli tuffs. Tuffs have vitric lapillis, qtz-carb stringers 29.53: /qtz-carb vein; white, 3-4cm width. Appears barren contact gradational		Strong sericite Vague siliceous lapilli	3% in tuffs and up to 10% in ash zones	Geochem 3782 28.92 - 29.76m

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29.76 to 34.26	DACITIC LAPILLI TUFF (GMS) poss TBX ?	Colour - lt. grey mottled Grain size - med. Fragment supported. Numerous siliceous lapilli occasional vitric lapilli (10%). Heterolithic. Feldsp porphyry zones; fsp <1mm Some lapilli up to 2 x 3cm. 32.1: Qtz-carb vein, 3cm 32.1 - 32.7: numerous qtz-carb veinlets 32.3 - 32.43: strong sulphide zone 33.15 - 33.3: strong sulphide zone		Sericite	10-15% - heavy py throughout matrix 32.76-34.20: 20-25% py	Best candidate for mine horizon Assays #3783 29.76 - 31.26m #3784 31.26 - 32.76m #3785 32.76 - 34.20
34.50 to 36.60	DACITIC LAPILLI TUFF & ASH	Colour - lt. grey-green Grain size - fine to med. Dacite lapilli tuff has vitric frags. Ash is sericite altered. Py cubes. 35.8m: qtz-carb vein, 3 cm strong foliation 36.53m: chalcopyrite veinlet - diss cp over 3-4cm some accompanied by veinlets of possible laminae of pale purplish mineral sph ? contact gradational		Sericite - increasing with depth	10-15% py	Geochem 3786 34.26 - 36.26m Assay 3787 36.30 - 36.60m

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36.6 to 41.0	RHYO-DAC FLOW	Colour - pale to olive green Grain size - aphanitic Massive textureless; featureless unit. Occasional vague possible lapilli and py seems to concentrate in splotches. Curious pale white hazy veining		Moderate to strong sericite	2-3% fine py diss	Geochem 3788 38.0 - 41.0m
41.0 to 42.67	DACITIC LAPILLI TUFF	Colour - lt. grey Heterolithic lapilli tuff. Cherty frags dominate, commonly 1 x 2 cm size; rare vitric clasts. Moderate foliation 42.16 - 42.19: Dacitic Ash unit. 10% fine diss py		Weak to mod. sericite	0-2% py	Alt'n weaker Foliation not as pronounced
42.67 to 43.3	ANDESITIC ASH	Colour - green Grain size - fine Strong foliation Vague 3-4mm chlorite flecks and wisps which may be vitric frags - give greenish colour to unit 43.30m: 3cm bed of Dacitic Lapilli Tuff.	70	Strong sericite	py 5-7%	Geochem 3789 42.67 - 43.3m

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43.3 to 45.72	DACITIC LAPILLI TUFF	Colour - lt. grey Grain size - med. to coarse Mod. foliated. Frag supported. Heterolithic lapilli; vague includes vitric lapilli (chloritic fsp porph.) numerous well-rounded, lt. grey, cherty lapilli contact sharp with ash	70	Weak sericite	Weak 0-1% py	
45.72 to 45.73	DACITIC ASH	Colour - lt. grey Grain size - aphanitic Strongly foliated Vaguely fsp porph. crystals <1mm	60	sericite moderate	up to 5% in some places	
45.73 to 46.25	DACITIC LAPILLI TUFF	Colour - lt. grey Grain size - med. Vague frags, heterolithic Mod. foliation Rounded odd-shaped lapilli (figure 8 shaped etc.) 46.7m: Dacitic Ash 2cm	ctc at 60	sericite weak	0-1% py	
46.25 to 50.35	DACITIC LAPILLI TUFF/ASH interbeds	Colour - lt. grey mottled Grain size - fine to med. Lapilli tuff beds commonly have vitric clasts. Fine lapilli tuff beds with well preserved lapillis fsp phenos and vitric clasts - heterolithic. Ash beds: dacitic, aphanitic, lt. grey	ctc at 60	Sericite weak to none very well preserved fine lapilli beds - 10-20cm thick.	py 5-10% in fine lapilli beds - elsewhere none	Three basic units: DAC LT - coarse DAC LT-fine, fsp porp DAC ASH- aphan. Geochem 3790 47.35 - 50.35m

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50.35 to 68.00	DACITIC LAPILLI TUFF (GMS)	<p>Colour - white/green marbled look Grain size - med. to coarse Coarse ghostly white felsic lapilli and dark green fsp porph. Vitric clasts dominate the unit. Chloritic frags to felsic Frag varies but usually fragment supported - crowded</p> <p>53.32 - 53.42: Dacitic lapilli tuff/ash - fine ash, 3-4mm and well preserved heterolithic lapilli tuff occur</p> <p>61.20: 1cm fault gouge - clay/sericite. 20% steel grey f.gr py</p> <p>66.3: qtz/py vein with minor cp, 3-4cm</p> <p>67.1 - 67.2: Dacitic Ash strongly sericitized</p> <p>67.67 - 67.8: Qtz veining with associated py veinlets. Ground up core</p>		weak	py 0% to 5% diss	
					66.0-70.41: 10-12%	Assay 3791 66.0 - 67.2m
						Assay 3792 67.60 - 68.1m
68.0 to 70.87	DACITIC ASH LAPILLI TUFF	<p>Colour - dull grey Predominately interbeds of dacitic ash and lapilli tuff - vague lapilli size, shapes Mod. foliation</p> <p>69.40 - 69.56: qtz vein barren</p> <p>70.38 - 70.60: qtz vein barren</p>	50	Minor mod. sericite	2-3% py diss	

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70.87 to 74.30	DACITIC LAPILLI TUFF with interbeds of ASH	Colour - lt. grey-green Grain size - fine to med. Distinctive vesicular tuff beds with well-rounded lapilli, 2-3mm; sometimes flattened often ghostly. Beds usually 1 to 3cm thick. Interbedded with fine ash tuffs Succession repeated several times - gives appearance of banding.	53	Sericitic in ash beds	py 5-1% diss in ashes; cp 0-1% diss and filling matrix of brecciated zone. Possible sph; minor light grey mineral	Assay 3793 71.0 - 72.4 Bx
74.30 to 74.7	DACITIC LAPILLI TUFF (GMS)	Colour - lt. grey & green Grain size - med. Dacitic characterized by numerous chloritic fsp porh. and vitric frags with delicate boundaries		Minor sericite	0-5% py commonly in vitric clasts	
74.7 to 78.93	DACITIC LAPILLI TUFF with interbeds of ASH	Colour - lt. grey/lt. green banded Grain size - fine A thinly bedded sequence of felsic ashes and fine tuff beds with occasional beds of GMS 78.34 - 78.93: disrupted lapilli beds with ash units filling between	68	weak	0-2% py	unusual vesicular lapilli with altered cores 78.44 - 78.6m
78.3 to 81.55	DACITIC ASH	Colour - lt. grey Grain size - aphanitic Massive textureless possible ash - homogeneous 81.44 - 81.54: qtz vein - barren		weak sericite	1-2% fine py	

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81.55 to 84.35	AND - DAC ASH/ ARGIL. ASH with interbeds of fine tuff	Colour - dull green/grey to lt. grey Grain size - Aphanitic to f. gr. Argillaceous component Tuff beds are faintly fsp porph. crystals. Fine dacitic ash units interbed with a fine py rich tuff giving appearance of disrupted beds or are the ash units v. large fragments.	ctc sharp at 65	Sericite mod. to strong	5-10% py perhaps more in argill, ash where it is difficult to discern and extremely fine grain	Geochem 3794 81.55 - 84.35m
84.35 to 87.65	AND - DAC LAPILLI TUFF	Colour - lt. grey Grain size - med. to fine Good tuffaceous unit with clast size grading from 5-8mm down to 2-3mm. Size fining downhole. Heterolithic - frag supported Chert, fsp porph., dacite, argillite & felsic lithics Vitrics range from 0 to 10% in some sections Fragments often sub-rounded and well-sorted w.r.t. grain size		little to mod. sericite in matrix	2-5% py diss and as alteration product of some frags	Note: green micas observed (apple-green) Do these tuffs have an epiclastic origin? Geochem 3795 84.35 - 87.35m

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96.90 to 100.75	DACITIC ASH minor CRYSTAL TUFF	similar to above unit but differentiated by banding; 2-3mm in a kinked fashion parallel to c.a. Banded sections more felsic looking 100.33m: Fault gouge clay 1.5 cm	0 -10 30			Geochem 3797 96.9 - 99.9m
100.75 to 101.45	ANDESITIC ASH	Colour - dark brown/green Grain size - aphanitic Argillaceous component. Numerous qtz-carb veinlets. Very fine grain possibly broken beds of Lapilli Tuff included		Mod. sericite Weak carbonate	5-7% v. fine diss py	dirty colour Geochem 3798 100.75 - 101.45m
101.45 to 101.95	DACITIC LAPILLI TUFF (GMS)	Colour - grey/green Grain size - med. Classic GMS. Vitric lapilli to 40%. Fragment supported; flattened Heterolithic Well preserved. Mixed with ash on downhole end. Contact gradational		Weak sericite to none	py diss 2% 101.75: cp veinlet. cp diss over a 1cm thickness 65 to C.A.	Assay 101.45 - 101.95m
101.95 to 103.43	DACITIC CRYSTAL LAPILLI TUFF	Colour - white to lt. green Speckled. Fsp porph crystal tuff (or leucoxenes) <1mm size crystals Felsics clast vague; rounded; indistinct boundaries Matrix supported Chloritic patches		Chlorite patchy		Possible mafic flecks in possible felsic frags. *possible mine package candidate*

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103.43 to 106.98	DACITIC ASHES mixed with CHLORITE	Colour - white to green Grain size - fine to med. Streaky green and grey-pink, possible ash units slumped and broken in chlorite. Chlorite content decreases to 10% downhole and appears more like squeezed vitric lapilli. Contact ground		Strong chlorite streaks; possible leucoxenes.	2% diss py 103.90-104.10: 5-7% py parallel to fol'n	Chlorite zones initially mistaken for GMS vitric clasts - relogged *possible mine package* Geochem 3833 103.43 - 106.43m
106.98 to 107.60	ANDESITE DYKE (possible LAPILLI TUFF)	Colour - green Grain size - fine Indistinct feldspar crystals; random oriented; homogeneously distributed Contact ground			2% diss py and small veinlets	
107.60 to 110.55	DACITIC ASH CRYSTAL TUFF	Colour - lt. grey Alternating bands of aphanitic. Crystal lapilli tuff fsp porph. 3mm thick laminations Contact graditional		sericite in ashes	py diss 2% throughout 107.6 - 107.9: 10-15% diss py	Assay 3826 107.6 - 107.9m
110.55 to 111.66	DACITIC LAPILLI TUFF (GMS)	Colour - white to green Grain size - med. 40% vitric frags strongly attenuated Vaguely fsp porph. throughout 111.05m: Qtz-carb vein 2cm thick; barren		Weak sericite	<1% py	

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111.66 to 112.05	DACITIC ASH CRYSTAL LAPILLI TUFF	Colour - lt. grey/green Grain size - fine Fsp porph. vaguely throughout. F.gr. felsic lapilli zones vaguely discernible 112.0: Qtz vein; 5cm; barren		Weak sericite	2-3% diss	
112.05 to 112.22	DACITIC LAPILLI TUFF (GMS)	Grain size - med. <10% vitric frags; multilithic; fragment supported	etc at 80		5% py as altered fragments	crowded with lapilli
112.22 to 113.84	DACITIC ASH minor LAPILLI TUFF	Colour - white to lt. green Grain size - fine to aphanitic Massive ash units 8-10cm interrupted by 5-8cm GMS beds		Weak sericite	1% disseminated in ash	
113.84 to 114.22	DACITIC LAPILLI TUFF (GMS)	Colour - green, white Grain size - med. GMS entirely with 10-20% vitric frags. Heterolithic; frag rich				Classic GMS
114.22 to 116.35	DACITIC LAPILLI TUFF	Colour - lt. green Very vague f.gr lapilli-rich zones. Minor qtz veinlets throughout		Moderate sericite or chlorite	py 5-7% diss throughout deceiving sulphide content (more than first observed)	pitted unit appears AND-DAC in colour Geochem 3827 114.22 - 116.35

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116.35 to 124.0	DACITIC ASH	Colour - pale olive green to lt. green (depends on sericite content) Grain size - aphanitic V. fine grain massive ash unit Homogenous, some appears banded (sericite on fol'n planes) Occasional 2-3cm beds of lapilli size tuffaceous material - ghost lapilli 3-4mm. 3 or 4 such beds 122.2 to 122.45: bleached lapilli tuff	65	varying from weak to moderate sericite 121.65 - 122.2: strong sericite	3-5% diss py	
124.0 to 124.47	DACITIC LAPILLI TUFF	Colour - grey Fragment-rich; heterolithic; frag supported Mod. foliation	ctc sharp at 80		2% py diss	possibly epiclastic
124.47 to 124.90	DACITIC ASH	Colour - lt. grey/green Grain size - aphanitic Banded; homogeneous; v. fine grain Well foliated		weak sericite	2-3% py diss	squeezed py frags; lense-shaped
124.90 to 125.1	DACITIC LAPILLI TUFF	Heterolithic; frag rich; well sorted well rounded frags Mod. foliation		Minor sericite in matrix	3% py in matrix and also in altered frags	possible epiclastic thing

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125.2 to 127.94	DACITIC FLOW	Colour - translucent olive green Grain size - aphanitic Massive, homogeneous banded unit Sericite interstitially 129.5: very large possible frag. with ghost mafic pheno (chlorite)		Sericite mod.	3-5% fine diss py 129.5: diss cp fleck	Is the sericite occurring in the fol'n planes or is it matrix of a TBX size fragmental rock? Are these bands flattened lapilli and blocks? Geochem 3827 125.1 - 127.94m
127.94 to 128.1	DACITIC LAPILLI TUFF	Fragment rich; heterolithic; lapilli 3-5mm	ctc uneven at 80		2-3% py	
128.1 to 128.45	DACITIC ASH	Colour - white to lt. grey Grain size - aphanitic Homogeneous; textureless, featureless unit			2-3% py	
128.45 to 130.23	DACITIC ASH & LAPILLI TUFF	Ash predominated with one GMS unit at top Thickness unknown - core loss			2-3% py	
130.23 to 130.5	ANDESITIC DYKE	Colour - lt. yellow/green Grain size - fine possible amygdules - silica PY concentrated on boundaries. No apparent chill			3-7% py diss	possible tuff

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130.5 to 141.0	DACITIC ASH with occasional LAPILLI TUFF	Colour - white to lt. grey Banded, homogeneous ashes followed by lapilli tuff with vague frags. Occasional chloritic wisps indicate GMS type	134.9: fault gouge-1cm 135.15: fault gouge-1cm	70		2-3% diss py
141.0 to 142.0	DACITIC ASH	Colour - pale olive green Grain size - aphanitic Homogeneous ashes riddled with qtz veinlets	ctc sharp at 60	Mod. sericite		2-3% fine diss sulphides
142.0 to 150.55	DACITIC ASH / LAPILLI TUFF	Colour - light grey/green Occasional bleached zones Lapilli tuff beds minor component and vague at: 143.46-143.56 149.90-150.00	149.48: fault gouge 1 cm	75		weak to mod. sericite 149.0-149.1: diss of cp <0.5%
150.55 to 162.15 EOH	DACITIC LAPILLI TUFF CRYSTAL TUFF	Colour - grey Vague lapilli but usually fsp porph. in nature Weak foliation 153.1: peculiar siliceous amygdules-looking beasts? 154.0 - 154.2: qtz & fine andesite dyke or epi. alteration zone. 156.36-156.64 and 159.31-159.51 Heterolithic frag-rich lapilli tuff <10% vitrics; 5% diss py				2-3% fine diss py slightly more mafic Geochem 3829 156.06 - 159.06m
		Occasional qtz veins throughout units; barren				

* NOTE SPLIT SECTIONS REVEAL PY COMMONLY UNDERESTIMATED

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Zr	Total
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	Ba	ppm Cu	ppm Zn	% Pb	ppm Ag	ppb Au					
3776	11.80	14.70	69.74	15.14	2.33	2.93	1.02	3.69	2.64	0.09	0.50	.125	2	39	.005		10				.027	98.24
3779	23.62	25.91	70.44	14.72	0.60	3.53	1.51	3.00	3.60	0.15	0.55	.067	10	55	.005		5				.024	98.19
3782	28.92	29.76	56.46	16.90	1.94	8.98	0.28	2.87	8.37	0.56	1.32	.075	76	170	.027		5				.018	97.79
3786	34.26	36.26	67.85	14.37	0.86	3.50	0.20	4.00	6.28	0.27	0.71	.074	58	330	.005		10				.015	98.11
3788	38.00	41.00	78.19	11.51	0.27	2.00	1.73	2.65	1.74	0.10	0.15	.065	24	94	.005		10				.005	98.41
3789	42.67	43.30	56.86	17.28	1.14	8.67	1.09	2.37	8.82	0.27	1.21	.046	38	172	.015		5				.016	97.80
3790	47.35	50.35	68.11	15.67	1.53	5.00	0.39	3.49	3.31	0.12	0.58	.057	8	56	.005		15				.028	98.28
3794	81.55	84.35	58.82	17.39	0.57	7.42	1.47	2.66	7.91	0.47	1.10	.036	142	167	.027		10				.011	97.87
3795	84.35	87.35	62.73	16.46	0.49	6.60	2.62	1.95	5.81	0.46	0.81	.034	23	193	.017		5				.014	98.00
3796	90.37	93.37	61.62	15.87	0.44	7.90	0.05	2.72	7.68	0.60	0.95	.037	124	260	.012		5				.012	97.89

Hole No. FC-1

Entered by _____

Logged by C. M. Burge

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ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate		Length (m)	% Cu	% Zn	% Pb	gm T Ag	gm T Au	% Ba	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			
			Cu	Zn																			
3777	20.77	22.27			1.50	.005	.02	.01	1.6	0.01	0.01												
3778	22.45	23.62			1.17	.002	.01	.01	0.5	0.01	0.01												
3780	26.10	27.97			1.87	.001	.01	.01	0.3	0.02	0.01												
3781	27.97	28.92			0.95	.001	.02	.01	0.2	0.01	0.08												
3783	29.76	31.26			1.50	.001	.01	.01	0.3	0.01	0.01												
3784	31.26	32.76			1.50	.001	.01	.01	0.2	0.01	0.02												
3785	32.76	34.20			1.44	.002	.03	.01	0.1	0.01	0.01												
3787	36.30	36.60			0.30	.106	.53	.01	0.2	0.01	0.01												
3791	66.00	67.20			1.20	.024	.07	.01	0.8	0.01	0.01												
3792	67.60	68.10			0.50	.034	.01	.01	0.2	0.01	0.01												
3793	71.00	72.40			1.40	.130	.14	.01	0.5	0.01	0.01												
3799	101.45	101.95			0.50	.205	.01	.01	0.2	0.01	0.01												
3826	107.60	107.90			0.30	.001	.01	.01	0.2	0.01	0.01												
3828	148.66	149.66			1.00	.002	.01	.01	0.2	0.01	0.01												

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0 to 6.10	CASING					
6.10 to 9.70	DACITIC LAPILLI TUFF (GMS)	Colour - lt. grey/white/green Grain size - med. Strong foliation with classic GMS interbedded with grey fine grain (but vitrics common) unit. Provides banded appearance. Bed commonly 5-10 cm	60 ctc sharp at 65		0-1% local diss of py	peculiar flattened felsic flying saucer shapes 6.55-6.56m
9.70 to 11.17	DYKE FELSITE	Feldspar porph. randomly oriented; 1-2mm size No foliation (massive) in body of unit but borders display some fol'n 10.15 - 11.08: felsite looking or bleached looking limonite stained fracture surfaces.	ctc sharp at 90			
11.17 to 12.70	DACITIC LAPILLI TUFF and minor ASH	Colour - grey Grain size - fine 11.17 - 11.26: aphanitic ash F.gr. heterolithic lapilli dominate. Occasional wisps 2-3mm possible vitric. Lapilli difficult to see at times. Ash beds thinly bedded contact indistinct				notably sulphideless

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
12.70 to 22.45	ANDESITE CRYSTAL TUFF	Colour - lt. grey speckled Grain size - med. Large feldspar crystals with preferred orientation displayed locally. Elsewhere random & chaotic distribution. Good candidate for intrusive Feldspars 2-3mm and white to cream coloured 16.06 - 16.16: possible fault or fracture - limonite stained broken core		weak to nil	3-4% in veinlets (py) <3mm subparallel to fol'n; fine grain	possible dyke? Geochem 3830 19.43 - 22.43m
22.45 to 28.55	FELDSPAR PORPHYRY ANDESITE DYKE	Colour - lt. grey/green speckled Grain size - med. to coarse Porphyritic; feldspar up to 5mm chaotically distributed in fine grain matrix. Massive Locally higher concentration of phenos 22.45 - 23.78 chilled margins; and fsp phenos become 28.18 - 28.55 ghost-like		faintly epidotized feldspar		Dead ringer for Mt. Sicker type fsp porph. intrusive rock Geochem 2831 24.38 - 27.38m

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
28.55 to 32.45	DACITE/ LAPILLI TUFF interbeds	Colour - lt. green/greyish purple marbled Grain size - fine to med. F.gr feldspar crystals <1mm numerous throughout Streaky leucoxenes Occasional lithic lapilli noted Heterolithic Possible disrupted beds; alternating beds 5-10cm			3% py in veinlets sub-parallel to fol'n	V.fine gr. possible laminae? Possible fine water lain tuff unit
32.45 to 32.47	FAULT	Fault gouge - clay				
32.47 to 46.10	DACITIC LAPILLI TUFF/ASH?	Colour - white & green Grain size - med. to coarse Good heterolithic frag-rich and felsic frags. Mod. foliation Very large lithic lapilli to 5 cm Occasional accretionary lapilli beds Minor ash component 33.80: Possible loading feature. Crystal tuff squeezed 44.65 - 45.0: fault gouge - sericite & clay		weak sericite to nil leucoxene rich chloritic bands	2% diss py	vitric clasts and chloritic zones which are leucoxene porphyritic confuse Geochem 3846 35.35 - 38.35m

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
46.10 to 86.60	DACITIC FLOW	Colour - lt. olive green Massive, mod. to weak foliation Faintly feldspar porph. 3-4mm Some sections ash-rich; others pitted with grey or mafic flecks 2-3mm. Becomes thinly bedded in following sections:		weak to mod. chlorite becoming stronger downhole	1-2% py	possible correlates with FC-01 at 36.6m RHY-DAC flow Geochem 3847 47.94 - 49.94m
		55.7 - 62.15: Leucoxene bearing chloritized ash silica blebs and wormy veins of qtz		chlorite	<<1% py	Geochem 3848 55.70 - 58.50m
		62.15: thinly bedded ash & crystal tuff or leucoxene-rich zones. Occasional disrupted zones				
		62.5 - 62.7: Fault gouge - clay, qtz & chlorite		weak to mod. chlorite		
		73.28: siliceous blebs; possible amygdules in ash? with small flattened 1mm chloritized phenos		weak sericite		Is this an altered ash or possible separate unit possible dyke ?
		73.45 - 74.1: lt. green strongly veined with <1mm veinlets leucoxene throughout		weak sericite	1% in veinlets	crackle texture of veinlet network resembles hyaloclastite As seen in FC-03 at 108.70m. Geochem 3849 76.55 - 79.55m
		74.1 - 80.25: banded porphyry formation; olive green/lt green; leucoxenes more apparent in some 3-4cm beds.				

<u>From</u> <u>To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to</u> <u>Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
		DYKE ANDESITE 80.25 - 80.82: feldspar porph. and mafic possibly pyroxene phenocrysts		epidotization of feldspar and small 3-4mm epidote patches	1% py diss & veinlets	
		80.82 - 81.60: Dacite ash banded with leucoxene prevalent throughout; mottled lt. green-dark green appearance.		weak sericite leucoxene prefer certain zones		
		DYKE ANDESITE 81.60 - 82.74: feldspar zones within this mafic looking unit parts similar to 73.28m Strongly foliated at margins Mafic phenos.	fol'n 55	epidote altered feldspar phenos		
		81.74: possible amygdules				
		82.74 - 86.60: Dacitic ash; broken beds crackly texture resembling frag-matrix boundaries Mottled banded look	Fol'n 55	weak sericite leucoxene weak	1-2% diss py in veinlets	
		82.60 - 82.61: contact fault - clay, sericite				
86.60 to 110.37	DACITIC LAPILLI TUFF - BRECCIA (GMS)	Colour - mottled light green camouflage Grain size - coarse Frag-supported; heterolithic Frag often sharp edge, others rounded Feldspar porph. frags of various sized 4cm-10cm ? Fragments attenuated Coarsest fiamme ever seen 4.5 x 1cm	55	weak	0-1% diss	possible GMS vitric frag shapes abundant probably looks like the green & white in outcrop Geochem 3850 96.93 - 99.93m

<u>From</u> <u>To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to</u> <u>Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
		89.70 to 90.37 DYKE ANDESITE porphritic, feldspar porph. 2-3mm Upper contact sheared and possibly a chill margin		epidotized feldspars	<2% diss	
		109.34: minor fault - 0.5cm of gouge clay				
		108.24 - 110.37: finer m.gr. lapilli tuff; assorted frags; fewer vitrics noted		well preserved	2-3% py diss & in siliceous veinlets 2-3mm	
		109.65 - 109.8: Ash bed				
110.37 to 119.18	MAFIC LAPILLI TUFF/ASH (ANDESITIC)	Colour - dark green Grain size - fine to med. Minor shearing at contact Strong foliation developed Dark possible vitric frag shapes 1-2mm long Mainly mafic lapilli	45	Mod. chlorite to strong chlorite Massive chl. infilling fractures	3-4% py diss and in veinlets parallel to fol'n; fine to med gr.	alteration begins
		113.72 - 114.05: Dacitic lapilli tuff; heterolithic; strong foliation		little	1% diss py	Geochem 5479 110.37 - 113.37m 115.80 - 116.20 possible siliceous exhalite horizon
					115.21-115.6: 1-3% diss PY	
119.18 to 121.82	DACITIC LAPILLI TUFF (GMS)	Colour - lt. green & white Grain size - fine to med. Numerous vitric lapilli as chlorite flecks to large 1 x 3cm ones at bottom contact		weak sericite	1% py	
		contact gradational				

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
121.82 to 127.96	DACITIC FLOW	Colour - olive green and purple mottled Ultra fine ashes mixed with possible lapilli tuffs pseudo-breccia developed and strongly attenuate crackled look in some zones DYKE ANDESITE 123.01 - 124.30: Possible fine gr. mafic dyke and/or tuff with siliceous veining		epidote splotches	124.36 - 124.71 brecciated beds with veinlets <<1mm of cp & sp cp - < 1% sph - < 1% 2-3% py	
127.96 to 128.95	FAULT	Colour - grey Grain size - fine Clay qtz frags and fine volcanic material			2-3% py; fine diss	fol'n picks up beginning of shear zone Geochem 5480 127.96 - 128.96m

<u>From</u> <u>To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to</u> <u>Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
128.95 to 145.2	DACITIC LAPILLI TUFF/ASHES	Colour - grey/lt. purple mottled Lapilli vague and siliceous Zones of ash and beds of coalescing lapilli. Strong foliation	45		3-4% fine grain py in shears and diss through rock	Multiple shears sub-parallel to parallel to fol'n Geochem 5481 128.96 - 131.96m
		133.0 - 133.5: fault - clay, sericite gouge + qtz			2-3% py diss	Geochem 5482 133.0 - 133.5m
		134.05 - 134.9: fine ashes and tuff laminae kinked and folded, intense foliation sometimes parallel to C.A. qtz veining prevalent 1-3cm barren, milky colour		Mod. sericite	2-3% diss py and in beds following kinked fol'n (<2mm)	Geochem 5483 133.5 - 135.5m
		134.9 - 141.82: beds of coalescing lapilli followed by beds of regular siliceous lapilli-rich units.		Sericite strong to intense Chlorite mod. to strong	3-5% diss py in veinlets Geochem 5486 139.16 - 140.75 -two zones 5-10cm with 5-7% diss py	looks similar to footwall type rocks Geochem 5484 136.0 - 137.01m Geochem 5485 137 - 138.87m
		140.75 - 141.5: mottled purplized ash unit; weak pseudo-breccia		Extreme sericite Mod. chlorite greasy feel	2% diss py	
		141.82 - 145.20: Extremely foliated, sericitic schist Frag to 5 cm; rounded, occasional flattened mafic lapilli Frag supported zones; heterolithic	55			Strongly developed fol'n
		143.0: 3cm chlorite zone				

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
145.2 to 173.13	DACITE FLOW	Colour - Lt. green to dark green Grain size - fine Moderately developed foliation unlike sericite schists above. Fine ash-lapilli tuff units dominate units with zones of weak alteration to strongly altered (chlor) with pseudo-breccia texture developed Pseudo-breccia frags consistently contain mafic pheno and have altered boundaries 145.20 - 145.58: Py/qtz vein with chloritized dacite 145.58 - 146.11: py/qtz vein with sheared chloritized volcanics Qtz vein over 10-15cm		Mod to strong chlorite Weak to mod. sericite Strong chlorite Minor carb with qtz Strong sericite/chl	as listed below py up to 20-25% in bands with silica to 2-3cm C.A.45 Cpy 3-5% diss over 2-3mm band with silica C.A. 45 Py up to 10-15% in band with silica Cpy diss. averaging 2-3% through section Fine steel grey/lt. purple mineral observed in FC-01 occurring locally	BEGIN STRINGERS Alteration makes it difficult to identify especially in more massive zones Assay 3426 Assay 3427

<u>From</u> <u>To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to</u> <u>Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
		146.11 to 148.7: Dacite - fine lapilli tuff; marked decrease in fol'n and alteration Occasional minor qtz veinlets x-cut foliation.		Weak sericite, possible leucoxenes? Minor chlorite	py in blebs <2mm, 1-2%	Geochem 3834 lean section 146.11 to 148.70
		148.70 - 150.95: Dacite - fine lapilli tuff as above; decreased fol'n; tiny qtz veinlets prevalent Possible chert bed at 2-3mm; lt. purple	70	Weak sericite Occasional chlorite zone	Py in blebs and diss. Two small veinlets assoc. with qtz stringers	as above Geochem 3825 148.70 - 150.95
		150.95 - 154.03: Dacitic ash - fine lapilli tuff mixed with first appearance of pseudo-breccia texture Qtz vein 2-3cm pseudo brecciated Weak to poorly formed coalescing lapilli near pseudo brecciated ashes - alteration phenomena?		Mod. to strong chlorite Mod. sericite in pseudo-breccia Silica in blebs & veinlets	Py 3% in veinlets	Geochem 3836 150.95 - 154.03
		154.03 - 154.98: Dacitic flow good pseudo breccia as above with 3 qtz sulphide stringer 3-5cm 154.47: <u>chert</u> , possibly bedded slumping down in pseudo-breccia		Mod. ser/chl familiar light green with dark grey stockwork of pseudobreccia	Py and cpy in stringers with qtz up to 10-15% from 154.49-154.53m py 5-10% in qtz veins	
		154.98 - 156.82: Dacitic flow with classic pseudo-breccia zones with coalescing lapilli forming on top (uphole) Occasional qtz veinlets		Minor to mod. sericite Weak chlorite	Lean section 1-2% diss py & in blebs	Geochem 3837 154.95 - 156.82

<u>From</u> <u>To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to</u> <u>Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
		156.82 - 157.03: Massive sulphide. Py/silica and cpy; py in cubes in siliceous material; cpy semi-massive below (downhole). Py slug possibly bedded at 50 . Med. gr. doesn't appear to be milled however. Split section reveals 1 coarse bed 2cm, contact 38 . Two fine 1cm beds structurally above	50	strong chlorite & sericite	py 60-65% cpy 3-5%? in massive portion 156.98 - 157.03: 10-25% cpy in veinlet + silica	Good weighty slug of JOY Conducts nicely Assay 3429
		157.03 - 157.94: Dacite flow? vague pseudo-breccia with sulphides in matrix. Bizzare worm-like silica veins wandering through section, 2-3mm		Mod. to strong chlorite	3-4% py veinlets 1% cpy diss	Assay 3430 leanest
		157.94 - 158.37: Chalcopyrite/qtz stringer. Semi-massive (60-65%) cpy over 6 cm. Rest about 10-15% cpy mixed with wormy qtz veinlets		Silica		Assay 3431 Big bounce - possibly Cu 10-15%
		158.37 - 159.45: Dacite? & qtz veins/veinlets; worm-like and ptygmatically folded, 20-25% qtz material.			cpy & py py - 10% cpy - 5-7% in qtz vein	Assay 3432 Cu - 2%
		159.45 - 159.3: Chalcopyrite/qtz/py stringer material. Qtz some 30% of intersection. Qtz spotty and in fractured blebs	fol'n/ bedding 55		cpy - 15-20% py - 5-10% in blebs and aggregates parallel to fol'n	Assay 3433 Cu 4-5%?

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
		159.93 - 163.52: Dacitic flow - well developed pseudo-breccia texture Chloritic matrix with sericite in frags. Frags? contain faint mafic phenocrysts often paralld to fol'n		Mod. to strong chlorite Mod. sericite	py 2-5% locally	not as strongly qtz veined Geochem 3838 159.93 - 162.52m
		163.52 - 164.12: Qtz-py/cpy-chl stringer Qtz dominate, blebby and milky; chlorite within qtz vein itself		extreme chlorite	py & cpy in blebs and aggregates py: 7-10% cpy: 7-10%	Assay 3434
		164.12 - 167.90: Dacitic flow - pseudo-breccia texture; lt. grey/green. Qtz veinlets 2-3mm kinked and chevron folded throughout		Weak chlorite Mod. sericite 164.90 - 165.00: strong, pervasive chlorite	f.gr. py veinlets <<1mm in matrix of pseudo-breccia like a stockwork system	Geochem 3839 164.12 - 167.90
		167.90 - 170.91: Dacitic flow - dark green pseudo-breccia; vague numerous qtz veins/veinlets (some py)		strong pervasive chlorite	py diss 3-5% in veinlets throughout Minor diss cpy in qtz vein <<1%	Geochem 3840 167.90 - 170.91
		170.91 - 171.08: Qtz-py; minor cpy vein Qtz brecciated & py fills matrix	30	strong chlorite mantling vein	py diss & aggregates 7-10% cpy at most 1%	
		171.08 - 172.54: Dacitic ash - dark green; faint possible leucoxenes Qtz veinlets riddled throughout Strange wandering veinlets parallel to C.A. 2-3mm Some vuggy section in veinlets		strong pervasive chlorite Strongest chlorite zone seen so far	2-5% diss & vein py 1-2% cpy diss in qtz veinlets	Geochem 3841 - high graded qtz veinlets 171.08 - 172.54
		172.54 - 173.13: Qtz/sulphide vein Carbonate or calcite accompanies vein; vuggy locally; tiny qtz veinlets superimposed on main vein		Chlorite mantling and included in vein; likely remnant volcanic	py diss 2-3% cpy diss at 3-5%	Assay 3436

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
173.13 to 174.95	MAFIC DYKE?	<p>Colour - Dark green Grain size - fine to med. Dark green, mafic phenos show preferred orientation; 1-2mm flattened Note silica-filled amygdules, 1-2mm or qtz eyes</p> <p>174.95: chloritic quartz shear zone << sulphides</p>	40	Strong chlorite	py & cpy veinlets, <1mm overall: <1% cpy, <1% py	<p>potential flow</p> <p>Geochem 3842 173.13 - 174.95</p>
174.95 to 185.12	DACITE FLOW	<p>Colour - lt. green/grey Grain size - fine to med. Well developed pseudo-breccia or large flattened porphyritic clasts with mafic phenos Good coalescing lapilli section at 20 to C.A. Matrix commonly is chlorite altered and carries some py; usually 2-3mm thick stockwork-like</p> <p>178.0 - 178.5, 180.0 - 180.60 and 183.4 - 180.6: Zones of spherulites or coalescing lapilli 20 to C.A. Faintly pinkish hue</p> <p>184.25 - 184.95: Heterolithic lapilli tuff; vague siliceous frags</p> <p>184.5 - 185.12: coarse grain lapilli tuff</p>		<p>Sericite (cherty in appearance) in fracture 178 & 177.63m</p> <p>mod. chlorite</p>	<p><1% to locally 1% py</p> <p>2-3% py veinlets parallel to bedding</p> <p>3-4% c.gr & diss py parallel to fol'n</p>	<p>May correlate with zone in FC-01 125.1 to 127.94m 182.1 Anhydrite and trace cp blebs filling tensional fractures</p>

<u>From</u> <u>To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to</u> <u>Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
185.12 to 191.05	DACITIC ASH	<p>Colour - lt. grey to dark green Grain size - med. to fine Strongly developed pseudo-breccia around frags with strong chlorite locally, usually 2-3% Mafic phenos Weak qtz veining; numerous, barren, fairly massive</p> <p>189.18 - 189.31, 189.66 - 189.77: Qtz vein with fleshy pink mineral - orthoclase and disseminations of soft transparent mineral possibly barite</p> <p>190.30 - 191.05: V. strong chlorite in matrix of pseudo-breccia to massive chlorite with f.gr to c.gr. py</p> <p>contact gradational</p>				<p>Geochem 3844 185.62 - 188.62m</p> <p>Geochem 3843 189.66 - 189.77</p>
191.05 to 191.86	SULPHIDE HORIZON & LAPILLI TUFF	<p>Colour - brassy yellow and dark green and spotted white or green Grain size - fine to coarse</p> <p>191.05 - 191.30: sulphide beds 1-2cm; fine and coarse beds of semi-massive py with silica and chlorite</p> <p>191.30 - 191.52, 191.65 - 191.86: Lapilli rounded, ghostly variety coalescing</p> <p>191.52 - 191.65: py & chlorite stockwork</p>		<p>chlorite extreme</p> <p>Chlorite strong to extreme</p>	<p>py 70-75% in aggregates</p> <p>py 30-35%; coarse & fine aggregate & diss</p>	<p>Some semi-conductive stuff Assay</p> <p>Coalescing lapilli could be rolled pieces of ash beds</p>

<u>From To</u>	<u>Rock Type</u>	<u>Texture and Structure</u>	<u>Angle to Core Axis</u>	<u>Alteration</u>	<u>Sulphides</u>	<u>Remarks</u>
191.86 to 195.62	DACITIC ASH	Colour - lt. grey to dark green Grain size - aphanitic Ultrafine ash unit Weakly developed pseudo-breccia Massive unit; homogeneous Weak fol'n		Mod. to strong sericite	cpy 1-2% locally py 3-5% fine diss and in fine veinlets	Geochem 3845 192.23 - 195.23
195.62 to 197.76	ANDESITE ASH OR FLOW	Colour - green Grain size - fine Massive, homogenous; contains siliceous rounded frags to 3 mm size 195.57 - 196.67, 197.14 - 197.30: qtz-carb veins, vuggy, barren		Weak chlorite 197.51 - 197.76: strong chl	<1% py 2-3% diss py	Possible dyke
197.76 to 200.25	DACITIC ASH	Colour - lt. grey to lt. olive green Grain size - aphanitic Ultra fine Weak pseudo-breccia; lt. pink and slumping into fractures in unit below - curious-looking contacts		Mod. sericite	<1% py	slumping indicated tops uphole
200.25 to 210.31	DACITIC LAPILLI TUFF/ASH	Colour - lt. olive green to grey/green Grain size - aphanitic to fine Fine tuffs mixed with ultrafine ashes; some coalescing lapilli units Ash units 200.56 - 200.75 201.15 - 201.40 202.15 - 202.80 206.00 - 206.65: Banded and kinked 1-2mm beds parallel to C.A.		Mod. sericite Locally strong chlorite zones	<1% py locally	Hole finishes in strongly altered rock

ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate		Length (m)	% Cu	% Zn	% Pb	gm T Ag	gm T Au	% SiO ₂	% TiO ₂	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au	% Ba	% Ni	
			Cu	Zn																			
3426	145.20	145.58			0.38	1.32	.02	.02											4.3	70	.03		
3427	145.58	146.11			0.53	.275	.58	.01											2.7	55	2.05		
3428	154.03	154.98			0.95	.198	.01	.01											1.3	5	.03		
3429	156.82	157.03			0.21	1.88	.02	.02											7.4	15	.01		
3430	157.03	157.94			0.91	.08	.01	.02											1.0	5	.02		
3431	157.94	158.37			0.43	2.60	.01	.01											6.6	5	.01		
3432	158.37	159.45			1.08	.77	.01	.01											2.4	10	.01		
3433	159.45	159.93			0.48	2.35	.01	.02											8.8	5	.02		
3434	163.52	164.12			0.60	2.94	.01	.01											5.6	5	.01		
3435	170.91	171.08			0.17	.164	.03	.01											1.4	10	.03		
3436	172.54	173.13			0.59	.510	.01	.01											1.3	10	.03		
3437	191.05	191.86			.0.81	.001	.01	.01											1.3	5	.01		
3438	157.94	158.37			0.43	5.490	.01	.01											12.4	10	.01	.002	
(Repeat of 3431)																							

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Zr	Total
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	Ba	ppm Cu	ppm Zn	% Pb	ppm Ag	ppb Au					
3830	19.43	22.43	63.06	17.51	1.82	2.00	4.47	2.29	5.96	0.13	0.73	.088	146	71	.005		5				.026	98.10
3831	24.38	27.38	72.48	13.91	2.20	0.72	3.65	2.00	2.88	0.13	0.28	.082	68	23	.005		10				.015	98.35
3832	27.74	29.38	69.06	14.27	1.02	1.96	2.59	3.77	4.82	0.06	0.56	.126	50	51	.005		5				.020	98.27
3846	35.35	38.35	67.15	16.60	1.16	3.73	2.65	2.44	3.76	0.09	0.49	.077	15	30	.005		10				.028	98.17
3847	46.94	49.94	70.09	15.24	1.86	1.24	4.63	1.48	2.92	0.12	0.47	.100	25	.29	.005		5				.027	98.17
3848	55.70	58.70	66.76	16.21	0.25	3.08	0.11	4.07	6.74	0.19	0.50	.100	15	37	.005		5				.029	98.04
3849	76.55	79.55	70.60	15.08	0.56	3.07	3.76	2.04	2.42	0.10	0.46	.095	8	38	.005		5				.024	98.20
3850	96.93	99.93	70.43	15.17	0.42	2.76	3.56	2.21	2.90	0.07	0.47	.065	6	36	.005		5				.024	98.09
5479	110.37	113.37	51.70	16.18	0.99	9.62	1.84	0.85	14.39	0.60	1.13	.030	593	91	.026		5				.013	97.38
5480	127.96	128.96	67.89	15.88	1.48	3.70	0.56	3.83	3.83	0.26	0.61	.076	122	615	.005		5				.024	98.14

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Zr	Total
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	Ba	ppm Cu	ppm Zn	% Pb	ppm Ag	ppb Au					
5481	128.96	131.96	67.28	15.49	0.43	4.12	0.34	3.95	5.16	0.29	0.62	.062	786	1680	.005		10				.024	97.77
5482	133.00	133.50	67.24	15.98	0.68	4.40	0.12	4.21	4.34	0.27	0.52	.064	38	125	.005		5				.017	97.84
5483	133.50	135.50	70.64	15.39	0.32	3.21	0.08	4.27	3.62	0.14	0.51	.071	52	72	.005		10				.015	98.25
5484	136.00	137.00	66.10	15.94	0.19	6.67	0.06	3.37	4.81	0.23	0.56	.071	8	115	.005		10				.023	98.02
5485	137.00	138.87	66.15	18.00	0.17	5.71	0.07	4.14	3.03	0.19	0.65	.077	9	98	.005		5				.027	98.23
5486	139.16	140.75	51.20	19.13	0.34	9.79	0.03	3.12	12.06	0.41	1.31	.062	13	217	.017		5				.019	97.48
3834	146.11	148.70	72.95	12.61	0.58	3.22	0.06	3.54	4.58	0.19	0.42	.106	56	82	.005		10				.022	98.29
3835	148.70	150.95	70.01	13.32	0.11	4.61	0.04	3.35	5.99	0.25	0.45	.080	9	103	.005		15				.024	98.24
3836	150.95	154.03	71.39	11.20	0.20	4.60	0.03	2.44	7.48	0.29	0.38	.072	800	110	.005		5				.019	98.11
3837	154.95	156.82	67.78	14.88	0.47	4.17	0.33	4.79	4.81	0.23	0.50	.231	34	82	.005		5				.029	98.22

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LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Zr	Total
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	Ba	ppm Cu	ppm Zn	% Pb	ppm Ag	ppb Au					
3838	159.93	163.52	71.21	12.47	0.76	3.36	0.12	4.43	5.09	0.19	0.43	.187	470	100	.005		10				.023	98.28
3839	164.12	167.90	73.32	10.57	0.32	3.13	0.03	3.65	6.44	0.16	0.37	.108	940	85	.005		5				.016	98.10
3840	167.90	170.91	62.21	13.20	0.63	6.05	0.01	2.57	11.75	0.47	0.87	.072	440	148	.028		5				.008	97.85
3841	171.08	172.54	60.39	14.18	0.56	6.07	0.01	3.13	11.97	0.46	0.88	.116	765	134	.031		10				.012	97.81
3842	173.13	174.95	53.64	17.12	0.59	6.97	0.04	5.02	12.10	0.63	1.13	.391	660	190	.027		20				.013	97.68
3844	185.62	188.62	71.03	12.46	0.79	3.78	0.26	4.03	5.16	0.17	0.48	.133	9	50	.005		20				.020	98.20
3843	189.66	189.77	66.13	14.14	0.66	3.99	0.06	5.89	5.93	0.20	0.38	.508	23	67	.005		5				.027	98.03
3845	192.23	195.23	76.48	9.66	0.90	2.45	0.03	2.70	5.42	0.13	0.12	.055	3900	44	.005		5				.005	97.95

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS	
0 to 3.05	CASING								
3.05 to 6.85	ANDESITE CRYSTAL TUFF	Green	m.g.	Randomly oriented feldspar 2-3m interbedded with coarser frags and fine ash coarser frags cherty or often feldspar porphyritic		Faint epidote especially on feldspar	Nil	Well preserved	
6.85 to 7.20	DACITIC LAPILLI TUFF GMS	Green & white	m.g.	- numerous vitric lapilli flattened - clasts of feldspar porphyry intrusive material near contact as seen in above unit foliation	30°	Minor sericite	Nil		
7.20 to 11.72	DACITIC LAPILLI TUFF Banded	Lt.purple to grey & green & white bands	m.g.	Fine flattened vitric lapilli throughout bands 5-10cm thick strongly foliated		Minor sericite Is banding an alteration phenomena?	Nil		
11.72 to 12.28	DYKE FELSITE	Lt.green to tan	m.g.	numerous chaotically arranged feldspar 1-2mm crystals in size massive,crystal-rich		Silicification of some patches within	Nil		Possible crystal tuff ash units mixed in
12.28 to 15.95	DACITIC LAPILLI TUFF (banded)	Purple pale green	m.g.	- banded with lt. purple colouration heterolithic frag rich GMS zones and zones rich in vitric lapilli, some fine ash beds 2-3cm at bottom of unit		Minor sericite	Nil		

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
15.95 to 40.97	ANDESITIC CRYSTAL TUFF	Green	m.g.	- massive - feldspar porphyry - occasional lapilli frags - occasional lapilli size frags of cherty material - crude layering with respect to grain size - occasional minor ash units -- contact indistinct --		Faint epidote 25.30 - 25.32 possible fault	1% py 25.32-26.32, 29.37-30.37 py v.f.g. to 5% in veinlets and possible laminae? diss. and in veinlets < 1mm	
40.97 to 47.24	ANDESITIC DYKE	Green	m.g.- c.g.	- massive, porphyritic - feldspar porphyry coarse 3-4mm chaotically arranged - fine grain matrix -- contact 25° to C.A. --		faint epidote chilled margins (silicification)	Nil	Correlates with FC-02 22.45 to 28.55
47.24 to 51.90	DACITIC LAPILLI TUFF	Lt.grey green	m.g.- c.g.	- coarse frags up to 8-10cm sub-rounded - heterolithic - frag-rich - feldspar porphyry frags -- contact gradational --			1% py diss. and as alteration of fragments	Well preserved. Correlates with FC-02 28.55 to 32.45 Geochem 5478 47.24 - 50.24
51.90 to 53.34	DACITIC LAPILLI TUFF & ASH	Lt.grey	f.g.	- matrix supported f.g. lapilli tuff, occasional small wisps of vitric lapilli		Weak chlorite	1% py	
53.34 to 55.07	ANDESITE-DACITE DYKE	Pale yellow green		- massive, porphyritic - feldspar porphyry to 4mm size in aphanitic matrix		Nil	Nil	Possibly part of flow 55.07 - 72.65

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
55.07 to 72.65	DACITIC FLOW	Lt.green	f.g.	- thinly bedded ash and crystal tuff (fine) with leucoxene - vague ghost-like feldspar phenos 2-3mm Beds 55.07 - 62.60 leucoxene common, numerous laminae of ash and fine crystal tuff 20° to CA 62.60 - 66.58 chloritic zones in disrupted ash beds possibly breccia size felsic frags noted 66.58 - 67.70 bleached zone thinly bedded ashes	30°	Weak to moderate chlorite leucoxene common in chloritic zones	1% Nil	Geochem 5487 63.70 - 66.70
68.24 to 68.44	DYKE RHYOLITE	White	aph.	Amorphous, homogenous -- contact at --	28°	Nil	Nil	
72.65 to 76.65	DACITIC LAPILLI TUFF (GMS)	Green lt/dk	m.g.	wispy vitric frags are about 20% of rock - delicate edged		Moderate chlorite	py 1% 2% locally	Geochem 5487
76.65 to 84.60	DACITIC ASH & CRYSTAL TUFF	Lt.green	f.g.	Thinly laminated ashes with vague possible feldspar crystals 77.91 - 78.02 - qtz veins 80.91 - 81.02 Bedding	barren 35°	Weak - moderate chlorite leucoxene faint		Feldspar crystals very vague apparently not confined to individual units
84.60 to 85.04	FAULT			LOST CORE - poker chips remain approx. 40cm lost - minor sericite gouge				

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
85.04 to 109.41	DACITIC ASH/LAPILLI TUFF			<p>85.0 - 92.25 Lapilli tuff/ash - occasional possible accretionary lapilli tuffs and c.g. felsic lapilli frags interbedded with chloritic leucoxene rich zones</p> <p>92.25 - 94.26 Network of ultra fine py form pseudo breccia, lt. purple against creamy lt. green sericitic ash</p> <p>94.26 - 102.50 Thinly bedded ashes ashes leucoxene rich with chloritic zones</p> <p>102.50 - 106.66 Thin bedded leucoxene-rich ashes - streaky look, blebby and wormy quartz veins</p> <p>106.66 - 107.77 Possible Lapilli tuff - streaky vague vitric frags, frag perhaps 7x1.5cm foliation</p> <p>107.77 - 108.1 Quartz & sericite veining Wormy lcm veins - barren</p> <p>108.10 - 109.41 Unusual network of fracturing broken bedding in chlorite rich zones, pale green & dark green</p> <p>-- contact gradational --</p>	18° to CA	<p>Weak - moderate chlorite</p> <p>Weak sericite</p> <p>Chlorite weak - moderate</p> <p>Weak - moderate chlorite</p> <p>Nil, weak sericite</p>	<p>Nil to 2% py aggregate associated with qtz/silica veins 90.22 - 90.70</p> <p>2-3% py in veinlets occurring at 99.5, 100.01 qtz veinlet lcm wide diss. & vein cp to 2% likely the same vein</p> <p>2-3% py in veinlets</p> <p>Nil</p> <p>Zip</p> <p>Nil</p>	<p>Geochem 5489 87.22 - 90.22 definite ultra fine grain pyritic stockwork with qtz veins located just above. Geochem 5490</p> <p>Geochem 5491 94.4 - 97.4 good qtz/chalcopyrite veinlet lcm.</p> <p>Geochem 5492 102.41 - 105.41</p> <p>Odd texture Hyaloclastite Likely correlates with FC-02 at 74.00m</p>
109.41 to 112.34	DACITIC LAPILLI TUFF (GMS)			<p>Vague vitric lapilli weak qtz blebs and wormy veinlets have altered unit moderate leucoxene</p>		Moderate chlorite	Tr cp in qtz blebs	Geochem 5493 109.5 - 111.5

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
112.34 to 113.43	DYKE ANDESITE	Green		Epidote possibly after feldspar phenos, numerous mafic phenos in a aphanitic matrix.		Strong epidote in alteration splotches 3-4mm & veinlets	1% diss & veinlet possibly crystal tuff?	Distinctive unit
113.43 to 114.30	DACITIC LAPILLI TUFF	White to lt.purple	c.g.	Monolithologic lapilli siliceous vague and large		Nil	Nil	
114.30 to 115.60	DYKE ANDESITE	Green		Mafic phenos and epidote alteration in spots laminate as described at 112.30 to 113.43		Epidote	1%	
115.60 to 121.3	DACITIC FLOW TOP BRECCIA	Lt.green		Vague brecciation - possibly lapilli 119.3 - 121 Coalescing lapilli beds vague possible phenos of feldspar? leucoxene -- gradational contact --		Minor Faintly epidote phenocrysts	1-2% in pseudo breccia matrix nil	Geochem 5494 115.6 - 118.6 possible vesicular flow top? Geochem 5495 119.3 - 121.3 May correspond with FC-02
121.3 to 136.55	DACITIC FLOW	Emerald green	aph.	Massive leucoxene throughout 122.60 - 128.5 - well developed pseudo-breccia of v.f.g. pyrite with hematization around veinlets. 129.73 - 130.27, 132.68-132.80, 134.15 - 134.30, 134.62 - 134.77 Quartz veins, milky, barren		Leucoxene-rich weak sericite	1-2% v.f.g. in matrix of pseudo breccia	
136.55 to 137.20	DACITIC LAPILLI TUFF	Green	f.g.-m.g.	Moderately foliated tuffaceous unit with poss. vitric frags, numerous chloritic lapilli -- contact at --	30°	Weak sericite	Nil	Xenolith or frag of flow in unit, Rip-up clasts

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
137.20 to 152.18	FLOW	Emerald green	aph.	Massive - homogeneous leucoxenes 140.45 - 141.45 in situ breccia likely flow breccia frags all monolithologic 145.14 - 147.90 Strongly developed pseudo breccia 148.85 - 149.02 Flow breccia texture 151.65 - 152.18 Faint banding developed at 152.18 - 152.35 -- contact sheared at --	40° to CA 35° to CA	Weak	1% py in fine grain veinlet matrix of pseudo breccia 2% in v.f.g. veinlets in pseudo breccia	Geochem 3439 141.45 - 144.45 Geochem 3440 145.14 - 147.14
152.18 to 172.52	DACITIC LAPILLI TUFF BRECCIA (GMS)	mottled green & white	c.g.	Spectacular breccia size frags and vitric clasts may be weakly welded hetero- olithic frag-supported Interrupted by these f.g. tuffs (ANDESITIC) possibly ash units, lt. brown in colour, 3-5% py 152.50 - 153.92 Faint silica or feldspar crystals or perhaps lapilli, coarse grain } aggregates 154.75 - 154.14 as above 156.90 - 157.94 bottom contact gradational 165.15 - 165.45 mafic attenuated chloritic wisps 1 X 3mm 168.40 - 169.47 faintly feldspar porphyritic? 169.47 - 170.05 crystal } tuff feldspar porphyry 171.7 - 172.52 finely } bedded sericitized ashes -- contact sheared --	ANDESITIC ANDESITIC	Weak	3-5% py 5% py, coarse grain aggregates 3% py, c.g. aggregates 3-5% py & tr sph/gal v.f.g. veinlet 2-3% fine py	Geochem 3441 152.5 - 153.92 Assay 3443 Geochem 3444 169.47 - 170.05

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
172.52 to 174.45	SILICEOUS EXHALITE & PYRITE			Thinly bedded pyrite with siliceous material grading into felsic ash Semi-massive bands of py 0 - 2cm, c.g. aggregates, wormy qtz veins occur throughout zone Beds	30%	Sericite strong	20% py f.g. to c.g. confined to bands or beds averaging 1cm thick	Assay 3445 172.52 - 173.52
174.45 to 176.40	DACITIC ASH	Green	f.g.-m.g.	Thinly bedded occasional chloritic looking frags, siliceous veinlets parallel to foliation		Moderate - strong chlorite	4-5% py bedded and disseminated	Geochem 3446 174.45 - 176.40
176.40 to 184.68	POSSIBLE FLOW	Lt.grey - green		Weakly foliated watery looking coarse possible amygdules chlorite veinlets give bedded appearance occasional qtz veinlet carrying minor py		Weak to moderate chlorite veining leucoxene rich	<1% diss.	Geochem 3447 181.40 - 184.10
184.68 to 185.75	LAPILLI TUFF?			Possibly stretched out siliceous lapilli in frag-rich unit		Weak chlorite	1% py diss.	Could these be attenuated vesicules?
185.75 to 186.85	ASH	Lt.green	f.g.	Fine grain thinly laminated ash with strong silica veining in top with py		Moderate sericite	py to 5% in siliceous veining parallel to bedding	Geochem 3448 185.75 - 186.85
186.85 to 189.65	LAPILLI TUFF?			Silica blebs or watery frags as described in 184.68 - 185.75		Weak chlorite	Py locally up to 5% around silica veining	Geochem 3449 186.85 - 189.65 Tr. cp.
189.65 to 190.90	ULTRA-FINE ASH & SILICEOUS EXHALITE & PYRITE	White/brown	v.f.g. - f.g.	Ultra-finely laminated felsic ashes mixed with siliceous material v.f.g. pyrite appears bedded in places		Strong sericite	Py 10-15% cp 3-5% (stratabound) Possible fine veinlets or beds << 1mm of sph (brownish grey mineral wispy)	Assay 3450 189.65 - 190.80

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
190.90 to 199.75	ULTRA FINE ASH	White to apple green	aph.	Ultra-fine laminae of ash and pyrite and unidentified mineral (sph) Homogeneous, translucent strongly foliated to extremely foliated		Moderate - strong sericite		Geochem 5226 190.90 - 192.3 Geochem 5227 192.3 - 193.8 Geochem 5228 193.8 - 195.3 Geochem 5229 195.3 - 196.8 Geochem 5230 196.8 - 198.3 Geochem 5231 198.3 - 199.80
199.75 to 208.22	DACITIC LAPILLI TUFF	Grey	c.g.	Large rounded 3mm size siliceous lapilli, possibly heterolithic, possible sulphide frags - weak to moderate foliation 201.45 - 208.22 Finer grain 1-2mm lapilli flattened, possibly vitric frags Moderate to strong foliation 203.10 - 203.30 qtz vein, barren 205.10 - 205.96 qtz vein, barren 207.57 - 208.22 chlorite strong, 2-3% py diss.		Matrix chlorite altered Chlorite strong		Geochem 5232 199.75 - 201.40 2-3% py diss.
208.22 to 210.28	ANDESITIC ASH	Dk green brown	f.g.	Strongly foliated thinly bedded/laminated minor qtz veining & assoc. py occasional sericite-schist zones, possible faults -- contact gradational --		Moderate - strong sericite		Geochem 5233 208.22 - 210.22 3-5% diss. f.g. py

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
210.28 to 228.56	DACITIC FLOW	Olive green	aphan - f.g.	<p>210.28 - 213.15 Vesicular flow top silica filled amygdule rich zones 2-3mm amygdule size, amygdules commonly have grey centers and are bedded according to preferred orientation</p> <p>211.84 - 211.88 fault gouge</p> <p>213.15 - 213.21 fault gouge</p> <p>214.88 - massive pseudo breccia and cracked texture developed numerous ultra fine grain py veinlets +/- hematization form matrix</p> <p>Internal brecciation suggest possible hyaloclastite</p> <p>221.28 - 224.90 superb breccia texture and 3 X 2cm frag of flow banded material</p> <p>Shearing intensified towards fault below</p>		Weak to moderate sericite	1%, perhaps more locally in pseudo breccia matrix	<p>Geochem 5234 221.33 - 224.33</p> <p>Possibly tectonic breccia?</p>
225.90 to 228.56	SHEAR ZONE			<p>226.30 - 226.98 Major shear clay gouge</p> <p>226.98 - 227.70 Thinly laminated sericitized ash(?) units and pyrite laminae foliation parallel to C.A.</p> <p>227.70 - 228.56 In-situ tectonic breccia of possible flow</p>		Sericite /clay	1-2% fine diss. py	<p>Geochem 5235 225.8 - 226.98</p> <p>Geochem 5236 226.98 - 227.70</p>

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
228.56 to	DACITIC LAPILLI TUFF	Dk green	m.g.	Mottled vague siliceous lapilli, possibly lapilli, possibly brecciated 230.50 - 230.73 - qtz-py-cp stringer 232.70 - 232.85 - minor sph veinlet approx. 1mm 233.16 - 233.48 - qtz-py-cp stringer, cp 1%, sph .5%, py 3-5%		Strong chlorite	3-5% fine py in matrix cp 1-2%, py 10% Cp 1%, sph .5%, py 3-5%	Possibly still the flow (vesicular tuff?) Assay 5238 Assay 5241 Geochem 5239 230.72 - 231.48 Geochem 5240 231.48 - 232.48

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ba	ppb Au				
5476	25.32	26.32	63.02	16.95	1.60	1.94	4.19	2.57	6.88	0.12	0.75		72	34	50	770	5				
5477	29.37	30.37	63.49	16.81	2.00	1.35	3.83	3.15	6.36	0.11	0.81		25	21	50	1520	5				
5478	47.24	50.24	61.86	18.73	2.40	3.43	3.53	2.77	4.40	0.12	0.76		9	47	50	1120	10				
5487	63.70	66.70	67.90	16.33	1.11	3.58	2.27	2.81	3.38	0.13	0.57		8	39	50	760	10				
5488	72.25	75.25	67.62	16.19	0.52	4.00	0.43	3.57	4.89	0.16	0.56		12	35	50	1060	5				
5489	87.22	90.22	70.84	14.58	0.55	1.52	0.77	4.19	4.87	0.14	0.50		1080	22	50	1230	5				
5490	93.26	94.26	74.25	13.78	1.02	0.52	2.99	3.36	1.82	0.05	0.43		27	8	120	1670					
5491	94.40	97.40	71.73	14.66	0.68	1.35	3.01	2.81	3.30	0.11	0.47		22	18	290	980					
5492	102.41	105.41	70.64	13.70	0.23	1.67	0.08	3.73	7.56	0.14	0.43		10	24	260	1050					
5493	109.50	111.50	72.78	12.96	0.20	1.78	0.06	3.43	6.36	0.16	0.41		69	26	120	920					

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MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ba	ppb Au				
5494	115.60	118.60	71.38	14.99	0.56	2.49	3.03	2.74	2.51	0.06	0.49		16	35	220	660					
5495	119.30	121.30	70.19	15.41	0.89	2.61	3.66	2.11	2.74	0.08	0.49		8	49	170	490					
5496	122.60	125.60	72.07	13.72	1.24	3.47	4.20	1.58	3.45	0.08	0.49		9	60	50	910					
3439	141.45	144.45	69.01	16.04	0.86	2.33	5.21	1.39	2.69	0.07	0.47		8	35	50	1450	10				
3440	145.14	147.14	68.34	16.59	0.92	2.32	5.06	1.31	2.93	0.05	0.49		11	31	50	1570	5				
3441	152.50	153.92	52.05	18.82	1.23	9.41	3.86	0.61	9.99	0.20	1.22		16	88	170	340	5				
3442	159.53	161.53	69.77	16.13	0.54	3.66	2.04	2.55	2.82	0.06	0.52		21	49	130	1040	5				
3444	169.47	170.05	52.21	22.15	1.52	6.83	5.12	1.89	6.43	0.17	1.32		24	244	160	690	10				
3446	174.45	176.40	60.25	14.35	0.80	6.77	0.05	2.90	11.17	0.27	0.90		32	265	160	1120	5				
3447	181.10	184.10	73.80	13.71	0.55	2.40	1.79	3.39	1.99	0.10	0.40		6	49	50	1180	5				

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LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ba	ppb Au				
3448	185.75	186.85	58.56	13.98	1.02	6.78	0.14	2.39	13.55	0.32	0.87		19	141	190	900	10				
3449	186.85	189.65	74.90	13.04	0.28	1.69	0.05	3.70	3.89	0.12	0.37		42	26	50	1780	5				
5226	190.80	192.30	73.66	13.65	0.14	3.06	0.07	3.79	3.23	0.20	0.23		82	521	50	740	3				
5227	192.30	193.80	72.43	13.59	0.30	3.44	0.04	3.33	4.10	0.22	0.32		483	1960	50	660	5				
5228	193.80	195.30	74.65	12.66	0.32	2.99	0.17	2.90	4.01	0.21	0.27		274	381	50	600	10				
5229	195.30	196.80	71.18	14.36	0.43	3.18	0.15	3.35	4.64	0.22	0.40		208	1050	50	650	5				
5230	196.80	198.30	70.67	14.05	0.39	3.54	0.06	3.36	5.25	0.28	0.51		125	379	50	560	5				
5231	198.30	199.80	67.50	12.96	0.35	3.97	0.45	2.94	8.90	0.22	0.46		2160	96	60	600	15				
5232	199.80	201.40	69.71	15.77	0.27	3.89	0.72	3.72	3.38	0.17	0.48		9	61	50	790	5				
5233	208.22	210.22	50.99	18.79	0.97	7.57	0.09	3.86	13.50	0.32	1.15		147	155	60	1100	10				

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LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ba	ppb Au				
5234	221.33	224.33	70.98	15.14	0.66	1.80	4.13	1.69	2.98	0.13	0.50		18	48	50	860	5				
5235	225.80	226.98	67.75	15.21	0.59	4.58	0.26	3.43	5.33	0.29	0.56		55	144	50	990	5				
5236	226.98	227.70	66.29	15.54	0.38	4.65	0.13	3.65	6.38	0.26	0.60		229	439	50	820	5				
5237	228.56	230.43	63.31	14.61	0.53	4.81	0.59	2.83	10.48	0.27	0.45		59	107	50	1030	10				
5239	230.73	231.48	70.73	12.52	1.37	4.24	0.03	2.81	5.91	0.15	0.39		11	64	50	620	10				
5240	231.48	232.48	71.06	10.87	1.47	4.31	0.03	2.44	7.30	0.17	0.36		188	67	50	460	5				

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FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
0 to 9.14	CASING							
9.14 to 12.74	ANDESITE DYKE	Lt. green	f.g.& m.g.	- massive - feldspar porphyry, lt. green, 2-3mm phenocrysts 12.13 to 12.74 poss. chill margin vaguely feldspar porphyry, lt. purple colour -- contact broken core --		Nil	Nil	
12.74 to 17.00	DACITE LAPILLI TUFF	White/green	m.g.	- moderate foliation - amoeboid purple clasts of cherty material vitric frags drawn out chloritic wisps common -- contact --	60°	- minor leucoxene	2% v.f.g. py diss. nil - tr py	Poss. Tuff Breccia?
17.00 to 21.59	DYKE?	Grey	f.g.& m.g.	- faintly feldspar porphyritic - massive, 2-3mm crystals where visible grades into non-porphyritic at top	65°	- minor silica		Poss. crystal-tuff Core broken throughout unit.
21.59 to 27.00	DACITIC ASH & LAPILLI TUFF			Poss. thinly bedded or lenticular frags of more felsic material - fine grain ash tuff (Andesitic) 26.32 - 26.82 -- contact gradational --		leucoxene rich chloritized zones	1% diss. py v.f.g. py, semi massive sulphides, lt. purple colour non-conductive	Geochem 5242 26.32 - 26.82
27.00 to 35.45	DACITIC ASH & LAPILLI TUFF	Streaky green & white	f.g.- m.g.	Very fine slumping beds of ash mixed with vague lapilli tuff streaky look as alteration alternates from strong to moderate		moderate - strong chloritization leucoxene	<1% diss. py	Geochem 5243 29.0 - 32.0

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
35.45 to 45.98	DACITE FLOW BRECCIA?	Lt. green & purple		30.88 - 31.07 lapilli tuff value frag rich possibly gms unit, coarse possibly breccia frag size 32.12, 29.45 - slumping fine felsic ash beds suggest up is downhole Ash beds generally Massive looking pseudo brecciated fragments lie in a olive-green matrix with leucoxenes Frag boundaries vague and difficult to see, sizes range to possible 10-15cm. 50.82 to 51.70 Strongly chloritized ash/lapilli tuff beds with 2-3% py parallel to foliation	60°	Weak - sericitic leucoxene	<1% py trace cp	Geochem 5244 35.05 - 38.05
45.98 to 50.22	DYKE ANDESITE	Brown	f.g. & m.g.	Porphyritic hornblende and plagioclase crystals 3-5mm size	60°	Nil super-fresh	Nil	Garibaldi volcanics
50.22 to 54.81	DACITE FLOW BRECCIA?	Lt. green & purple		Same as 35.45 to 45.98.				
54.81 to 61.68	ANDESITIC ASH	Green		Thinly bedded strongly foliated fine grain ashes and fine tuff 59.0 - 60.6 - ultra fine green translucent strongly foliated		Moderate to strong chlorite	3-5% py locally associated silica	Begin Shear Zone Geochem 5245 53.81 - 55.81

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
61.68 to 69.80	DACITIC LAPILLI TUFF	White lt. purple	m.g.	55.81 - 60.80 - ashes & pyritic argillaceous zones purple in colour -- contact -- 3-4mm size frags, blebby rounded look, occasional possible vitrics, lithic frags noted, quartz veins occur as rounded looking Sheared and broken zones: 61.60 - 61.80 63.10 - 63.70 66.45 - 66.75 69.70 - 69.78 -- contact gradational --		Moderate sericite moderately sericitic	5-15% py in argillaceous ash 2-3% diss. py, occasional py frags or alteration of frags to py	Geochem 5246 55.81 - 57.81 round lapilli possibly due to milling within shear zone Geochem 5247 63.75 - 66.75
69.80 to 80.16	AND - DAC ASHES	Lt. emerald green to grey	f.g.	Thinly bedded ashes and fine lapilli tuffs 71.93 - 77.16 Ash, massive homogenous, possible flow, sheared out, olive green 79.16 - 80.16 Thin beds of sulphidic sediment 25-30% py in possible bed 1-3cm		Weak - moderate sericite	2-5% py (in sulphide mud)	Geochem 5248 77.16 - 79.16 Geochem 5249 79.16 - 80.16
80.16 to 89.61	FLOW	Purplish green to grey	f.g.- aphan.	Massive and banded - alternating from coalescing lapilli, possible concentrations of spherulites vague, Weakly developed pseudo-breccia 85.45 - 86.0 - possible lapilli tuff very vague frags in chlorite matrix. 87.0 - 87.9 - possible very vague amygdules		Weak sericite	1% py	Geochem 5250 81.30 - 84.30

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
89.61 to 92.20	DACITIC LAPILLI TUFF			Appears monolithic, chloritic frags with sharp boundaries, preferred orientation, perpendicular to C.A., some very fine ash laminae within unit		Weak sericite	Nil	
92.20 to 101.53	SPHERULITIC DACITE FLOW	Lt.green to grey	m.g.-c.g.	Zones packed with spherulites or vesicules? to 4mm size, more massive zones brecciated and contain network or pyrite veinlets, appears to be sheared out toward lower contact resembling ashes -- Sheared and indistinct contact -- 101.69 - 101.71 clay gouge		Weak sericite	<1% tr cp in qtz - py veinlet 1-2mm thick	Geochem 5326 92.5 - 95.50
101.53 to 102.91	DACITIC ASHES	Lt.grey to translucent green	f.g.	- thin bedded, fine possibly lapilli, vague lmm felsic flecks, strong foliation; paper schist when broken		Moderate sericite	1% sulphides	Geochem 5327 101.53 - 102.91
102.91 to 104.75	SILICEOUS EXHALITE & DACITIC LAPILLI TUFF	White to lt.green	f.g.	Moderately well foliated strong chalcopyrite disseminations with possibly siliceous beds. Sulphides appear to form matrix surrounding siliceous blebs. Quartz and silica stronger in some zones. Good chloritic frags similar to vitrics suggest this unit is within a lapilli tuff and possibly a GMS type.	60°	Strong chlorite within tuffaceous sections (poss. green sericite)	py = 2-5% cp = 3-5% cp prefers quartz veined or siliceous zones	Assay 5328 102.91 - 103.61 cp=7-10% py=3-5% Assay 5329 cp=2-3% py=5%

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
104.75 to 109.42	DACITIC LAPILLI TUFF	Green	f.g.-m.g.	Very fine felsic lapilli vague and difficult to see. Banding as chlorite content increases & decreases. Some coarser grained zones lapilli to 3-4mm vague Strong quartz veinletting. Several 1-2cm in width carrying cp.		Strong chlorite/sericite	1-2% py diss. cp in qtz veins, 1-2cm cp <.5%	Are these lapilli vague spherulites? Geochem 5330 106.85 - 108.85 No qtz-cp veinlets sampled.
109.42 to 115.38	DACITIC ASH/LAPILLI TUFF INTER-BEDS	Lt.grey green	f.g.	Thinly bedded fine tuffs/coarse lapilli tuff and ash units all interbedded and strongly altered. Foliation weak - moderate occasional more massive section of ash with pseudo breccia developed. 114.05 - 114.95 Quartz vein, milky white + chlorite and sericite.		Strong chlorite masking textures.	Tr cp py 1% diss. cp 1-2% over 9m.	Geochem 5331 110.39 - 113.39 Assay 5332 114.05 - 114.95
115.38 to 120.54	ULTRA-FINE ASHES FELSIC	Marine green	v.f.g.	Homogeneous, translucent, weak - moderate foliation qtz-cp veinlets throughout Qtz-chalcopyrite stringer located at: 117.0 - cp-qtz stringer 2cm 116.8 } vuggy qtz with high 117.96 } cp content, est. 119.79 } 3-4cm thickness		Weak - moderate sericite	py - 2-3% cp - 1% confined to qtz stringers and tiny cp veinlets << 1mm 119.92 & 120.2 - numerous tiny cp veinlets	Geochem 5333 115.52 - 117.52 Thickness unknown, completely ground by drill crew.

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
120.54 to 125.76	DACITIC CRYSTAL LAPILLI TUFF	Lt. to dark green	f.g.-m.g.	Mixed lapilli and crystal tuff, feldspar crystals to 4mm noted. Quartz veinlets common throughout without sulphides 120.58 - 121.19 Lapilli tuff with very strong chlorite, 4-5% py 120.54 - 120.58 Quartz - cp vein, 15-20% cp/ 2-3% py 121.19 - 121.27 Possible horizon Qtz-cp veinlet, possible sphalerite or galena observed. -- contact gradational --			4-5% py 15-20% cp / 2-3% py	Assay 5334 120.54 - 121.04 Assay 5335 121.04 - 121.68
125.76 to 132.98	MAFIC TUFF OR DYKE	Dark green	f.g.-m.g.	Small 1-2mm mafic fragment and rounded or amoeboid shaped possibly (likely) amygdules? Bedding 128.32 - 128.80 Felsic ash or tuff 128.80 - 128.90 Qtz-py minor cp cp on downhole side of vein.	60°	Strong Chlorite		Geochem 5336 125.76 - 128.32 Possibly chloritized flow or dyke Yet another possible horizon.
132.98 to 146.00	FLOW DACITIC	Pale green-grey	f.g.-m.g.	Massive - mottley appearing - frequently appearing queer-shaped amoeboid or flattened amygdules - vesicular zones occur now and then - weak pseudo breccia -- contact lost ---		Weak sericite pseudo breccia veins usually consist of chlorite & silica and py less than 1mm cross-cutting any foliation present. 135.30 - 135.70 Quartz vein, chloritic, minor py.	1% fine diss. py Minor py in fine veinlets or pseudo breccia	Geochem 5337 135.84 - 138.84 Thin section 136.75 Spherulitic zone Thin section 137.92 Massive flow, amygdaloidal Vesicular zones could be spherulites, also take on a faint pinkish tinge

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
146.00 to 147.83	MAFIC TUFF POSSIBLE DYKE	Dark green to army green	f.g.	Mafic fragments 1 to 2mm show strong preferred orientation alteration -- contact indistinct --		Strong chlorite	3% py disseminated throughout unit	Geochem 5338 146.00 - 147.83
147.83 to 191.67	DACITIC FLOW	Grey	f.g.	- usually massive - amygdules up to 5-6mm developed in some sections interrupted by occasional lapilli tuff beds as follows; 152.28 - 152.35 - dacitic lapilli tuff vitric frags possibly larger, as frags are difficult to distinguish 153.75 - 153.85 - dacitic lapilli tuff vitric frags possibly large as frags are difficult to distinguish 155.22 - 155.91 - Rock completely composed of spherulites? 155.9 - 158.65 Dacitic lapilli tuff - numerous fine lapilli (felsic lithics) preferred orientation well sorted monolithic 162.10 - 162.15 Poss. flow banding Resume main unit. Alternating massive leucoxene bearing zones with vague mafic flecks and faintly pinkish spheroidal rich zones. 164.65 - 164.93 and 166.85-167.10 Quartz - veins milky, vuggy, no sulphides, no alteration		Nil to weak sericite/ chlorite weakly developed pseudo breccia minor chlorite veining 2mm	1-2% py locally diss. 148.27 - 148.34 quartz-chalcopyrite vein .5 to 1cm thick, wormy wandering subparallel to foliation cp approx. 2-3% over zone 163.59 - 163.66 Quartz-cp-py stringer cp - 25-30% py - 5-10% quartz: grey & vuggy nature	147.80 - 148.70 Enormous amygdules sometimes flattered along foliation angle Possibly rolled quartz veins? Thin section @ 154.50 Thin section 155.55, flow? spherulites? Thin section 158.45 lapilli tuff? Geochem 5339 155.97 - 158.62

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
				169.22 - 169.74 Dacitic lapilli tuff frag - supported heterolithic, vuggy. Resume predominate rock type. 170.70 - 171.05 Quartz vein, vuggy, no sulphides, moderate chlorite.		Chloritic usually where matrix occurs	1-2% diss. py	vuggy tuffs?
				184.40 - 184.45 - Qtz vein barren 186.37 - 186.58 - Qtz vein barren (minor py on contact)			173.93 - 173.97 py-cp-qtz stringer, 30% py, 1% cp	173.29 - 186.23 begin blocky zone, lost core throughout Conductive Geochem 5340 175.87 to 178.00
				187.60 - 188.33 Possibly lapilli tuff/ash vague lapilli and well foliated zones 188.28 - 188.33 Anhydrite Zone Two 1 to 2cm possible beds of soft transparent material 189.04 - 189.42 Mafic tuff? or just extremely altered flow.	60°		183.05 - 183.07? Semi massive py, coarse grain pyrite stringer or bed in chlorite 183.95 - 1cm band of semi-massive py and silica 188.15 - minor cp in lmm veinlets	
191.67 to 192.94	ASH/LAPILLI TUFF DACITE	Green		Pyritic, chloritized tuff thinly bedded coarse heterolithic lapilli tuff beds and ash interbeds	60°	Strong chlorite	2% diss. py. tr fine diss. py	Anhydrite occurs between beds(?) as matrix of possible breccia zone
192.94 to 195.48	LAPILLI TUFF DACITE	White		Vague chloritic frags possibly gms variety grading into monolithic variety difficult to distinguish from spherulite beds -- contact gradational --		Strong chlorite zone below bedded material downhole	2-3% py f.g. & c.g. 5% locally in bedded lapilli tuff large cubes 1-2% py diss.	Geochem 5341 191.67 - 192.67

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
195.48 to 233.05	FLOW	Lt. purple - pink and green		- massive broken - looking pinkish, zones interrupted by chloritic bands 3-4cm thick pseudo breccia developed in some places apparently increasing lower down. Distinctive colouration. 203.77 - 203.95 In-situ breccia developed possible flow breccia, possible amygdules common throughout unit. 207.75 - 213.12 Pseudo breccia texture more developed 213.12 - 213.65 Possibly lapilli tuff interbed shear at 213.65 thinly laminated ash units from 213.42 - 213.65 Resume flow with weak to moderately developed pseudo-breccia with numerous tensional fractures filled with chlorite or druzy quartz. 222.48 - 224.03 Possibly lapilli tuff chloritized with vague frags. Resume flow, weak pseudo-breccia with weakly developed hyalo clastite zones (speckled green & white)		204.20 - 204.52 205.6 - 206.00 Calcite and creamy yellow- ish coloured mineral occur interstitially strong chlorite all that remains of unit other than py weak chlorite/sericite	Tr cp py 1-2% in 1mm veinlets pyrite content picks up 1-2% diss. and veinlets 3-5% py diss. with possible pyritic bed at 213.40 3-5cm thick, 30% py (framboidal) 1% diss. py 213.35 - qtz-cp veinlet 2mm thick fracture filling 2-3% py 1% usually in matrix of pseudo breccia	Thin section - 198.60 chloritic bands may possibly be hyaloclastite texture developing Geochem 5392 203.95 - 206.95 Geochem 5343 213.12 - 213.65 Possibly base of flow. Geochem 5344 227.45 - 230.45
233.05 to 241.04	MAFIC TUFF LAPILLI TUFF/ INTERBEDDED WITH DACITIC LAPILLI TUFF	Green to dark green	f.g.	Fine mafic lapilli & coarse grain pyrite are dominant features, siliceous blebs resembling quartz phenocrysts or amygdules frequent -- contact --	65°	Moderate chlorite	3-5% py, coarse grain and in aggregates	Geochem 5345 223.05 - 236.05 Thin section - 233.70

FROM TO	ROCK TYPE	COLOUR	GRAIN SIZE	TEXTURE AND STRUCTURE	ANGLE TO CORE AXIS	ALTERATION	SULPHIDES	REMARKS
241.04 to 275.23 E.O.H.	ASH ULTRA-FINES	Army green to darkgreen		<p>- homogeneous</p> <p>- ultra-fine grain</p> <p>- moderate to strong foliation at</p> <p>- massively bedded</p> <p>246.55 disrupted beds with py and minor cp over 2cm thickness</p> <p>251.85 - 252.45 Mafic tuff bed with qtz & chlorite</p> <p>252.53 - 252.54 1-2cm thick silica and py with minor cp vein or possible bed</p> <p>252.72 - 252.85 Numerous 1mm veinlets of py and cp 65° to C.A.</p> <p>257.58 - 258.29 Mafic tuff? amygdaloidal? 2-3% py small 1mm chloritic flecks</p> <p>267.40 - 267.80</p> <p>273.7 - 275.23 Mafic tuff numerous mafic 1-2mm fragments attenuated</p> <p>273.43 - 273.60 quartz-py stringer and lapilli tuff (felsic frags dominate)</p>	65°	Moderate sericite	1-2% restricted to 1-2mm py veinlets tr. cp veinlets commonly 70-80° to CA	Possible sedimentary component Geochem 5346 247.50 - 250.5 Geochem 5347
					65°	Moderate chlorite	2-3% py 2-3% py py 10-15% to semi massive trace cp	Veinlets frequently cross-cut foliation Geochem 5347 260.96 - 263.96 Geochem 5348 273.7 - 275.23

ASSAY SHEET

Sample Number	From (m)	To (m)	Estimate		Length (m)	% Cu	% Zn	% Pb	gm T Ag	gm T Au	Ba°	As°	% Na ₂ O	% MgO	% Fe	PPM Cu	PPM Zn	PPM Pb	PPM Ag	PPB Au			
			Cu	Zn																			
BCD 5328	102.91	103.61			0.70	2.700	.01	.01			.01								5.8	5			
BCD 5329	103.61	104.71			1.10	0.110	.02	.01			.03								0.6	5			
BCD 5332	114.05	114.95			0.90	0.602	.01	.01			.01								1.5	10			
BCD 5334	120.54	121.04			0.50	0.300	.03	.01			.01								1.3	5			
BCD 5335	121.04	121.68			0.64	0.452	.07	.07			.01	.01							2.0	10			

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HOLE NO _____

LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM () TO ()		MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ba	ppb Au				
5242	26.32	26.82	57.06	17.34	3.69	3.86	1.72	2.42	10.55	0.24	0.79		46	55	50	830	5				
5243	29.00	32.00	73.35	13.85	0.54	3.19	0.68	3.26	3.50	0.16	0.49		8	42	50	1020	10				
5244	35.05	38.05	71.48	14.48	0.62	1.18	2.66	5.07	2.07	0.09	0.48		14	27	50	1230	5				
5245	53.81	55.81	59.24	16.77	0.85	5.63	0.34	3.43	10.20	0.28	0.92		19	53	90	1090	5				
5246	55.81	57.81	61.14	15.83	0.91	5.41	0.59	3.43	9.31	0.26	0.75		551	168	170	2150	15				
5247	63.75	66.75	69.87	15.10	1.37	4.07	0.31	3.82	2.85	0.21	0.51		15	93	50	490	5				
5248	77.16	79.16	66.33	15.28	0.63	4.54	2.02	3.06	5.10	0.28	0.73		18	108	50	680	5				
5249	79.16	80.16	60.68	17.96	0.48	5.35	0.41	4.98	6.73	0.26	0.97		41	121	50	1220	10				
5250	81.30	84.30	70.77	14.09	0.64	2.42	1.41	4.75	3.16	0.16	0.53		242	61	50	2630	5				
5236	92.50	95.50	70.06	14.93	0.25	3.75	0.72	3.82	3.92	0.20	0.54		11	85	50	870	5				

Hole No. FC-4

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LITHOGEOCHEMISTRY

MAJOR OXIDES

TRACE ELEMENTS

SAMPLE NUMBER	FROM (m)	TO (m)	MAJOR OXIDES										TRACE ELEMENTS					Rock Type	Alt	Min	Grid
			SiO ₂	Al ₂ O ₃	CaO	MgO	Na ₂ O	K ₂ O	FeO	MnO	TiO ₂	P ₂ O ₅	ppm Cu	ppm Zn	ppm Pb	ppm Ba	ppb Au				
5327	101.53	102.91	74.59	11.77	0.01	3.85	0.04	2.78	4.74	0.17	0.23		21	75	50	510	5				
5330	106.85	108.85	71.76	13.89	0.10	3.51	0.08	3.76	4.37	0.16	0.46		43	60	50	640	10				
5331	110.39	113.39	70.76	14.93	0.04	4.24	0.07	3.68	3.73	0.17	0.50		10	83	50	610	5				
5333	115.52	117.52	80.26	9.18	0.04	1.74	0.02	2.72	3.89	0.09	0.13		743	22	50	420	5				
5336	125.76	128.32	54.01	17.27	0.91	7.58	2.20	3.65	9.92	0.72	1.18		198	400	50	2220	5				
5337	135.84	138.84	70.82	14.48	0.40	2.24	2.34	4.34	2.93	0.13	0.45		12	46	50	1250	5				
5338	146.00	147.83	50.63	16.14	0.98	6.86	0.06	6.61	9.24	0.55	1.10		740	240	70	4540	5				
5339	155.97	158.62	71.01	13.97	0.23	3.34	0.05	5.34	3.31	0.15	0.44		12	60	50	1320	5				
5340	175.87	178.00	71.35	13.80	0.24	3.57	0.59	4.08	3.76	0.16	0.44		20	60	70	760	5				
5341	191.67	192.67	59.57	12.94	0.49	6.08	0.09	3.01	9.72	0.26	0.59		76	108	160	630	10				

Hole No. FC-4

Entered by _____

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