

NTS 82M/R
"TIA CLAIMS"

823878

G. BELIK & ASSOCIATES LTD.

DIAMOND DRILL RECORD

PROPERTY..... Tia

HOLE No. DDH-1

DIP AND AZIMUTH TEST		
Corrected		
Footage	Angle	Azimuth

Core Size NQ

Angle of Hole -46°

Claim..... Tia 1

Section.....

Bearing 180°

Total Depth 75.29 m

% Recovery.....

Elev. Collar 1005 m approx

Latitude 13+97 N

Departure 9+93 E

Sheet No 1 of 3

Logged by G. Belik

Date Begun Oct. 13, 1985

Date Finished Oct. 15, 1985

Core Stored At Kamloops

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
Meters	Percent							
0-5.49		Overburden (Boulder till)						
49-26.21	L.1-2	Coarse volcanic fragmental; frags angular to rounded, andesitic to dacitic and L.1 cm to +10 cm in size; frags typically contain altered feldspar and pyroxene phenocrysts and large quartz amygdules; some frags bleached to a pale green/cream color, resembling rhyolite; matrix of fragmental unit darker green, more chloritic and commonly contains lapilli-size quartz eyes and altered volcanic frags; strong chlorite/epidote alteration in both matrix and fragments (deuteric); bedding defined by alignment of stretched fragments and amygdules and by compaction structures in matrix bedding at 15.2 m: 75°/core axis						
		at 19.2 m: narrow, chloritic quartz veins with minor Py & Cpy						
	60	20.12-22.86 m: poor recovery (tube not locked)						

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DIAMOND DRILL RECORD

PROPERTY TiaHOLE No. DDH-1SHEET No. 2 of 3

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm	
Meters	Percent								
		past 26.2 m: unit paler green color due to incipient sericite alteration							
		28.34-28.5 m: white quartz vein with coarsely crystalline epidote							
		29.87-30.01 m: white quartz vein with coarsely crystalline epidote							
32.	21-34.52 L.1	Light green, foliated crystal tuff; small quartz eyes locally evident; minor disseminated Py; foliation 70°/core axis							
34.	52-35.74 L.1	Pale green, fine-grained, foliated tuff with quartz eyes; scattered coarse pyrite cubes and 4-6% finely disseminated Po + Py	82008	34.52-35.74	74	70	13	95	6,333
35.	74-37.69 L.1	White to pale green sericitic schist; 10-15% disseminated Py & Po with wisps of light brown very fine grained Sph; foliation 80°/core axis	82007	35.74-36.68	68	48	1,700	800	31,426
		36.17-36.68 m: grey to light brown dense cherty tuffite with finely disseminated Py, Gh + Sph; late stage conformable quartz vein evident with abundant galena along vein margins	82006	36.68-37.69	74	74	1,500	5,200	12,709

PROPERTY TiaHOLE No. DDH-2SHEET No. 2 of 7

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		past 10.4 m: fragments and matrix lighter color due to incipient sericite alteration						
		12.7-13.54 m: fragments smaller and less distinct due to moderate to strong hydrothermal sericite overprint; matrix of unit contains 3-5% white feldspar fragments up to 2 mm in size; 5-8% Po in thin discontinuous laminations	082031	12.7-13.54	89	6	79	1763
13.54-14.33	L.1	White to pale green, fine-grained well-foliated, strongly sericitized tuff; 20-30% Po, Py, Sph, Gn as fine disseminations and thin, discontinuous laminations; foliation 68°/core axis	082030	13.54-14.33	79	1200	4700	1705
14.33-14.86	L.1	Moderate to strongly sericitized, coarse fragmental; fragments generally less than 1 cm in size; most fragments bleached and indistinct; 5-10% Po & Py	082029	14.33-14.86	120	74	233	825
14.86-21.64	L.1	Light green coarse volcanic fragmental (frags up to 4 cm); moderate sericite alteration; most frags bleached and indistinct						

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-2 SHEET No. 3 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		16.92-17.42 m: 2-8% Po	082028	16.92-17.42	110	27	94	545
		17.42-17.81 m: pale green/grey, strongly sericitized tuff; +20% Po, Py, Sph, Gn	082027	17.42-17.81	89	2200	9800	518
		17.81-18.59 m: 5-8% Po + minor Sph & Gn						
		18.59-19.05 m: feldspathic tuff; 20% white, serrated feldspar fragments						
21.64-22.86	50	Rusty, broken section; poor recovery; possible fault; material recovered coarse fragmental volcanic						
22.86-44.5	L.1	Same as upper section, interval 5.49-13.54 m; red hematitic fractures locally evident						
		bedding at 25.3 m: 59°/core axis						
		past 43.6 m: incipient sericite alteration; fragments less distinct						
44 5-46.03	L.1	Coarse volcanic fragmental; moderate to strong sericite alteration; fragments indistinct and ghost-like						

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DIAMOND DRILL RECORD

PROPERTY TiaHOLE No. DDH-2SHEET No. 4 of 7

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		45.64-46.03 m: 2-3% Po						
46.03-50.55	L.1	Pale green, moderately sericitized, well foliated, crystal and lapilli tuff; quartz eyes locally evident; a few scattered, altered large fragments						
		46.03-48.08 m: 2-5% disseminated Po;	082026	45.64-46.38	80	22	124	1096
		46.38-46.51 m: sphalerite-rich band	082025	46.38-47.5	91	1400	7200	949
		46.84-46.89 m: sphalerite-rich band	082024	47.5-48.08	80	19	192	711
		47.40-47.5 m: sphalerite-rich band	082023	48.08-49.38	84	30	135	479
		49.38-50.55 m: 5-8% Po, Py; locally significant Sph evident	082022	49.38-50.55	127	179	998	587
50.55-51.77	L.1	Pale green well foliated sericitic tuff; 10% to +30% Po, Py, Sph, Gn as fine disseminations, thin discontinuous laminations and sulphide-rich bands; folded sulphide laminations and bands evident	082021	50.55-51.77	101	2500	14,700	493
		foliation at 50.9 m: 76°/core axis						
51.77-67.74	L.1	Light green, well foliated, fine-grained sericitic tuff; L.1% to +6% Po, Py; locally significant Sph, Gn evident	082020	51.77-53.04	86	861	4,252	473
			082019	53.04-54.86	92	19	107	473
			082018	54.86-56.85	73	55	181	548

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DIAMOND DRILL RECORD

PROPERTY TiaHOLE No. DDH-2SHEET No. 5 of 7

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		56.85-58.37 m: 10-20% Po,Py with Sph + Gn	082017	56.85-58.37	101	700	2,400	762
		58.37-59.44 m: 3-5% Po,Py; minor Sph & Gn						
		59.44-64.92 m: minor sulphide						
		63.87-64.01 m: feldspar crystal tuff						
		foliation at 61.6 m: 74°/core axis						
		64.92-65.3 m: 5-15% Py,Po, Sph,Gn	082016	64.92-65.3	102	822	3,234	707
		65.3-66.37 m: minor sulphide	082015	65.3-66.37	72	18	106	272
		66.37-67.74 m: 3-8% Po Py; Sph,Gn locally	082014	66.37-67.74	85	211	690	211
		evident; unit contains lapilli-size						
		quartz eyes and dark grey gypsum(?)						
		fragments						
67	74-70.71	L.1 White to pale green fine-grained sericitic	082013	67.74-69.50	89	1800	7,400	549
		tuff; 30% Po Py, Sph, Gn as finer disseminations,						
		laminations and sulphide-rich bands; a few	082012	69.5-70.7	79	1000	2,400	804
		soft dark grey bands and laminations evident						
		(possibly gypsum)						
		foliation at 68.6 m: 71°/core axis						

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PROPERTY TiaHOLE No. DDH-2SHEET No. 6 of 7

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
70.71-77.72	L.1	Light green, fine-grained, well-foliated, sericitic tuff; 1-2% Py, Po	082011	70.71-73.23	86	131	408	552
		71.32-72.24 m: broken section with vein quartz and gouge						
		72.54-72.85 m: feldspar crystal tuff						
		73.23-73.41 m: sulphide-rich band with Sph & Gn	082010	73.23-73.41	83	697	1810	766
		73.41-74.83 m: 4-8% Py, Po; a few grey bands; Sph locally evident	082009	73.41-74.83	89	232	915	870
		past 74.83 m: minor sulphide						
		foliation at 76.2 m: 56°/core axis						
77.172-80.77	L.1	Medium green, coarse, feldspar crystal tuff; unit contains 40% shattered white feldspar fragments, L.1 mm to 5 mm in size; scattered, large, dark grey clasts (gypsum?)						
80.77-94.49	L.1	Green, competent, weakly foliated, fine-grained, feldspathic crystal tuff						

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DIAMOND DRILL RECORD

PROPERTY..... Tia.....

HOLE No. DDH-3.....

DIP AND AZIMUTH TEST		
Meters	Corrected	
Footage	Angle	Azimuth
119.18	-52°	

Core Size NQ.....
 Angle of Hole -44°.....
 Claim..... Tia 1.....
 Section.....
 Bearing 180°.....

Total Depth 119.18 m..... Sheet No 1..... of 8.....
 % Recovery
 Elev. Collar 950 m approx...... Logged by G. Belik.....
 Latitude 16+34 N..... Date Begun Oct. 19, 1985.....
 Departure 7+55 E..... Date Finished Oct. 22, 1985.....
 Core Stored At Kamloops.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
Meters	Percent							
0-7.62	95	Overburden (boulder till)						
7.62-19.66	L.1	Coarse fragmental volcanic; fragments: light green andesite to dacite; some fragments pale green to white and finer grained (possible rhyolite); fragments L.1 to +15 cm in size, angular to well-rounded; most fragments contain abundant quartz and feldspar; most quartz occurs in stretched amygdules but locally is primary; feldspars partly to completely sausritized; mafics chloritized matrix: crystal and lapilli tuff; darker green, more chloritic with abundant lapilli size quartz and feldspar fragments alteration: early stage chlorite/epidote alteration with silicification (deuteric); later stage, incipient sericite alteration developed in matrix and fragments; locally, fragments indistinct due to hydrothermal						

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-3 SHEET No. 2 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		sericite overprint						
		structure: bedding identified by alignment of fragments and compaction structures in matrix; matrix weak to moderately foliated						
		bedding at 13.4 m: 52°/core axis						
		past 14.63 m: sericite overprint stronger; fragments become less distinct						
		16.61-16.76 m: broken, white, drusy quartz vein						
19.66-20.42	L.1	Feldspar crystal and lapilli tuff; unit characterized by 20-30% white, saussuritized feldspars (serrated and shattered), 1-3 mm in size; abundant chloritic quartz amygdules in fragments and matrix; large volcanic fragments up to a few cm in size evident; sericitic overprint						
20.42-22.56	7	Pale to light green coarse fragmental and foliated crystal tuff; fragments indistinct, due to strong sericite overprint						
		20.42-21.13 m: 10-20% Po	081982	20.42-21.13	110	44	106	1286

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-3 SHEET No. 3 of 8

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		21.13-22.56 m: 1-3% Po; poor recovery	081981	21.13-22.56	80	138	375	957
		foliation at 21.9 m: 53°/core axis						
22.56-24.08	20	as 19.66-20.42 m; 2-3% Po locally evident	081980	22.56-24.08	79	11	132	575
24.08-79.55	L.1	Coarse volcanic fragmental; moderate sericite alteration; many fragments indistinct; abundant quartz in fragments and matrix						
		27.74-28.19 m: white to light brown, well foliated, silicified, sericitic quartz eye	081979	27.43-27.74	107	51	212	1216
		tuff; 10-20% sulphides (Po,Py,Sph,Gn) as thin laminations (locally folded), thin, discontinuous lines and disseminations; foliation 53°/core axis	081978	27.74-28.19	99	3,300	11,200	1969
		past 39.3 m: unit darker green (less sericite); fragmental texture more distinct; bombs locally exceed 20 cm	081977	28.19-28.50	116	93	215	788
		Thin dense, thinly laminated (grey, pale yellow and light green) tuff beds at 56.8 m & 58.14 m						
		61.42-61.62 m: light green to grey tuff unit	081976	61.42-62.28	90	3	71	1067

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-3 SHEET No. 4 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		with abundant small quartz eyes; 5-20% disseminated Po						
		61.62-62.28 m: light green, uniform feldspar crystal tuff; 30% serrated feldspars; 2-3% Po						
		62.28-63.40 m: coarse fragmental with feldspar crystal tuffs interbeds; 2-5% Po	081975	62.28-63.40	40 59	19	73	574
		67.12-67.21 m: dense, thinly laminated (pale yellow, grey light green), siliceous tuff band 45°/core axis						
		past 70.7 m: unit lighter (stronger sericite alteration); fragments bleached with less distinct boundaries; abundant quartz in fragments and matrix.						
		76.25-77.32 m: 2-4% Po	081974	76.25-77.32	32 84	23	117	424
		76.73-77.06 m: strong quartz/sericite alteration zone with 10-20% Po						
79.55-81.69	L.1	Grey, siliceous, strongly sericitized coarse fragmental; fragments bleached and indistinct; minor sulphides	081973	79.55-81.69	69 79	12	264	479
81.69-82.30	L.1	Pale grey to pale green, fine-grained, strongly	081972	81.69-82.30	21 66	44	161	769

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-3 SHEET No. 5 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		sericitized, well-foliated tuff; sulphide-rich bands (Po, minor Sph, Gn) and laminations; average sulphide content 7-10%; bedding 70°/core axis						
82.30-83.21	L.1	Bleached, sericitized and silicified coarse fragmental; 2-3% Po						
83.21-87.07	L.1	Pale green, strongly sericitic fine-grained, well foliated tuff; L.0.5-15% Po & Py; minor Sph & Gn locally evident	081971	83.21-84.07	74 119	113	323	957
		foliation at 86.0 m: 73°/core axis	081970	84.74-87.07	07 94	7	94	724
87.07-89.18	L.1	Pale green, highly sericitic, well foliated, fine grained tuff, interlaminated and interbedded with blue/grey cherty tuffite; zone contains 20-30% sulphides (Po,Py,Sph,Gn) as disseminations, sulphide-rich bands and massive sulphide laminations and fragments; unit folded and somewhat brecciated; cut by abundant, late state, dense, orange carbonate veinlets	081969	87.07-89.18	56	900	3,300	643
89.18-90.37		Pale green strongly sericitic, well foliated, fine-grained tuff; 2-3% finely disseminated Po	081968	89.18-90.37	129	9	125	587
90.37-90.98	L.1	As above with 20% white feldspar fragments,	081967	90.37-92.74	69	31	239	381

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-3 SHEET No. 6 of 8

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		L. 0.5 to 1 mm in size; 3-5% Po						
90.98-92.74	L.1	Light green, well foliated, fine-grained, sericitic tuff; lapilli size quartz fragments locally evident; 5-10% Po + Py						
92.74-97.70	L.1	Light greenish grey, strongly sericitized, coarse fragmental; fragments bleached and generally indistinct; minor sulphides	081966	92.74-95.4	66	16	89	169
			081965	95.4-97.70	54	3	110	191
97.70-100.64	L.1	Cream to pale green strongly sericitized, fine grained, well foliated tuff; 5-6% Po + Sph, Py, Gn, Cpy; sulphide rich sections with up to 20% total sulphides	081964	97.70-99.06	92	400	822	1215
			081963	99.06-100.64	114	643	851	996
100.64-100.94	L.1	Medium to dark grey siliceous, carbonaceous tuff with 20-30% Po & Py with Sph & Gn	081962	100.64-100.94	112	600	3500	910
100.94-101.8	L.1	Light to medium grey, sericitic, carbonaceous tuff; +10% Po, Py with Sph & Gn; foliation 73° core axis	081961	100.94-101.8	73	700	2200	731
101.8-105.84	L.1	Pale green, fine-grained, sericitic tuff; variable sulphide content from L.1% to +5%	081960	101.8-104.04	96	21	119	540
		102.11-102.57 m: feldspar crystal tuff						

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-3 SHEET No. 7 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		104.04-104.8 m: 20% Po,Py, with Sph & Gn blue/grey cast to unit	081959	104.04-104.8	63	700	2400	535
			081958	104.8-105.84	87	216	717	595
105.84-107.82	L.1	Soft, pale green, fine-grained, sericitic tuff; 20-30% white feldspar fragments, 1-3 mm in size; a few grey carbonaceous laminations; 1-2% Po,Py with traces Sph, Gn foliation at 107.3 m: 84°/core axis	081957	105.84-107.82	96	97	352	436
107.82-108.21	L.1	Light green, fine-grained, sericitic tuff; 5-15% Po, Py + Sph, Gn	081956	107.82-108.21	113	1035	2889	936
108.21-108.81	L.1	Light green soft sericitic crystal tuff; 20% feldspar fragments 0.5-2 mm in size altered to a dark waxy green color; 1-2% Po & Py	081955	108.21-110.03	78	30	112	497
108.81-110.03	L.1	Cream to buff colored, coarse granular feldsparitic unit; strong carbonate/sericite alteration masks primary textures; L.1 to +3% Py, Po						
110.03-112.62	L.1	Light greyish green coarse fragmental (?) unit; strong carbonate/sericite alteration masks primary textures	081954	110.03-112.62	112	33	159	340

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DIAMOND DRILL RECORD

PROPERTY.....Tia.....

HOLE No.DDH-4.....

DIP AND AZIMUTH TEST		
Meters	Corrected	
Footage	Angle	Azimuth
136.55	-52 ¹ / ₂ °	

Core SizeNQ.....
 Angle of Hole-45°.....
 Claim.....Tia 1.....
 Section.....
 Bearing142°.....

Total Depth136.55 m.....
 % Recovery
 Elev. Collar810 m approx.....
 Latitude21+72 N.....
 Departure7+62 E.....

Sheet No1..... of8.....
 Logged byG. Belik.....
 Date BegunOct. 25, 1985.....
 Date FinishedOct. 29, 1985.....
 Core Stored AtKamloops.....

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
Meters	Percent							
0-19.81	95	Overburden						
19.81-33.22	L.1-5	Light to medium green, andestitic, crystal and lapilli tuffs with thin interbeds of light green, very fine-grained, siliceous laminated tuff; coarser tuff units contain abundant large, serrated feldspar and chloritized pyroxene crystals within a fine-grained, foliated feldspar-chlorite-sericite groundmass; graded-type bedding locally evident; generally minor sulphides; occasionally bands with 1-3% disseminated Py & Po; a few sections with hematitic fractures						
		bedding at 22.25 m 56°/core axis						
33.22-60.35	L.1	Fine-grained, andesitic crystal tuff; similar to section above, but more uniform, lighter green, finer grained and well foliated; no distinctive bedding or fine-grained, laminated						

PROPERTY TiaHOLE No. DDH-4SHEET No. 2 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE				
Meters	Percent							
		tuff interbeds						
		foliation at 42.67 m: 42°/core axis						
		47.85-56.39 m: 10-15% scattered, large (1-3 mm) altered pyroxene crystals; ground-mass less chloritic, more feldspathic						
		foliation at 54.86 m: 56°/core axis						
		57.61-58.22 m: grey to light green moderately sericitized section cut by numerous, dense, cream colored, carbonate veins; locally brecciated						
		58.22-60.35 m: abundant; stretched, dark green, fine-grained mafic fragments up to 2 cm wide and 5 cm long						
50.35-63.40	L.1	Greenish grey, laminated andesitic crystal tuff; pyroxenes altered to chlorite & epidote; fine-grained, grey moderately sericitized matrix; progressively finer-grained and more sericitic towards base; appearance of finely disseminated Po & Py at 63.09 m.						

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DIAMOND DRILL RECORD

PROPERTY TiaHOLE No. DDH-4SHEET No. 3 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
3.40-64.26	L.1	Dark greenish grey, very fine-grained, well foliated tuff; flooded with very fine chlorite which may be secondary; 2-5% disseminated Po	082005	63.40-64.26	26	15	71	811
64.26-65.69	L.1	White to pale green, fine-grained, sericitic phyllite; 20% finely disseminated Po & Py; foliation 40°/core axis	082004	64.26-65.69	44	412	749	983
65.69-72.09	L.1	Medium to dark green well foliated chloritic tuff; most chlorite, which is very dark green, may be secondary foliation at 68 m: 51°/core axis						
72.09-74.63	5	White, siliceous, fine-grained rhyolite; sericitic, moderately well foliated; minor sulphides	082003	72.09-74.63	10	20	119	540
74.63-77.72	5	Similar to above unit; softer, more sericitic, well foliated; 2-6% Py as fine disseminations and thin, discontinuous laminations foliation at 75.9 m: 45°/core axis	082002	74.63-76.51	31	94	193	1015
			082001	76.51-77.72	36	118	86	1134
77.72-80.49	25	White, vuggy, fractured sericitic quartz vein with pyritic sericitic phyllite inclusions	082000	77.72-79.25	14	16	24	359
			081999	79.25-80.49	17	297	25	431

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-4 SHEET No. 4 of 8

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		and bands; vein appears to be conformable to main foliation; zone contains +70% quartz; minor Gn locally evident						
30.49-83.90	10	White to pale grey/green, soft highly sericitic unit; 2-8% Py as fine disseminations, thin laminations and large cubic porphyroblasts; broken sections with numerous thin gouge seams; a few narrow vuggy quartz veins	081998	80.49-82.30	64	44	88	2159
			081997	82.30-83.90	83	95	170	1789
33.90-86.26	15	Broken, highly fractured white quartz (+carbonate) vein with abundant sericitic phyllite inclusions; numerous gouge seams; locally pyritic	081996	83.90-86.26	16	4	180	535
86.26-87.02	70	Fault zone; sheared, broken light green phyllite						
87.02-89.31	50	Light green well foliated, feldspar crystal tuff; zone badly broken with poor recovery; minor sulphides; at 89.31 m, gouge zone marks fault contact with lower unit						
89.31-89.76	5	Resistant, white to pale green, siliceous, sericitic unit (rhyolite?); quartz 'eyes' locally evident; minor Py, trace Gn						

PROPERTY TiaHOLE No. DDH-4SHEET No. 5 of 8

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		foliation: 57°/core axis						
39.76-91.06	40	as 87.02 m - 89.31 m						
91.06-95.10	L.1	Resistant, white to cream colored sericitic rhyolite with scattered quartz eyes up to 3 mm in size; minor Py; sharp contact with overlying and underlying units						
95.10-97.69	L.1	Light to medium green, well foliated, siliceous, andesitic tuff; quartz eyes locally evident; minor Py; gradational with underlying unit						
97.69-98.15	L.1	as 91.06m - 95.10m						
98.15-98.40	90	Fault zone; some gouge recovered; most core lost						
98.40-105.06	L.1	Light green well foliated, andesitic crystal tuff; moderately sericitized						
		101.70-103.63 m: strongly sheared with numerous gouge seams parallel & cross-cutting foliation						
		foliation at 104.5 m: 52°/core axis						

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DIAMOND DRILL RECORD

PROPERTY TiaHOLE No. DDH-4SHEET No. 6 of 8

'DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
105.06-107.60	L.1	Light grey to pale green moderately to strongly sericitized section; well foliated; generally minor Py	081995	105.06-106.38	28	48	77	499
			081994	106.38-107.60	26	79	113	552
		105.31-105.56 m: 10-20% disseminated Py						
		106.53-106.83 m: 10-20% disseminated Py						
107.60-111.25		Light green, well foliated, moderately sericitized, andesitic(?) crystal tuff; minor pyrite	081993	107.60-111.25	21	14	131	424
	70	109.12-111.25 m: poor recovery; tube not locked						
111.25-118.26	L.1	Hard, siliceous, white to cream colored, except sericitic, quartz eye rhyolite; sections with as noted 2-5% Py						
	75	111.25-111.86 m: poor recovery	081992	111.25-111.86	21	23	106	251
			081991	111.86-113.39	17	20	78	353
		113.39-113.79 m: Py-rich laminations; brecciated	081990	113.39-113.79	22	48	63	394
	70	113.79-114.10 m: high core loss; core re-	081989	113.79-114.10	32	71	93	410

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DIAMOND DRILL RECORD

PROPERTY Tia HOLE No. DDH-4 SHEET No. 7 of 8

DEPTH	CORE LOST	DESCRIPTION	SAMPLE No.	WIDTH of SAMPLE	Cu ppm	Pb ppm	Zn ppm	Ba ppm
Meters	Percent							
		covered consists of partly brecciated rhyolite with Py-rich laminations and fragments	081988	114.10-116.44	26	50	83	448
			081987	116.44-118.26	38	67	62	430
		past 113.08 m: broken sections with gouge						
		past 115.5 m: unit grades into quartz-sericite schist with no distinctive quartz eyes						
		116.44-117.20 m: badly broken zone with gouge and 60% quartz vein material						
118.26-122.53	40	White to cream colored, highly fractured, siliceous, sericitic, rhyolitic tuff with numerous thin gouge seams and zones parallel and cross-cutting foliation; minor Py	081986	118.26-119.48	16	13	105	379
			081985	119.48-121.01	23	177	261	451
			081984	121.01-122.23	19	44	121	371
		foliation at 118.57 m: 45°/core axis						
		121.01-121.77 m: gouge zone						
		foliation at 121.9 m: 57°/core axis						
122.53-123.60	45	Gouge; strong fault zone	081983	122.23-123.60	24	104	480	354
123.60-136.55	L.1	Light green, foliated, andesitic crystal tuff						

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 DATA LINE 251-1011

DATE RECEIVED: NOV 12 1985

DATE REPORT MAILED:

Nov 20/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN, FE, CA, P, CR, MG, BA, TI, B, AL, NA, K, W, SI, ZR, CE, SM, Y, NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE Au* ANALYSIS BY AA FROM 10 GRAM SAMPLE. BA* .16M LIBO2 FUSION, 5% HNO3 LEACH & ICP ANALYSIS.

ASSAYER: *D. Dips* DEAN TOYE OR TOM SAUNDY. CERTIFIED B.C. ASSAYER

G. BELIK FILE # 85-3078

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB	Ba PPM
81951	71	45	124	.7	82	1	3502
81952	67	82	806	1.0	273	2	4122
81953	69	37	178	.3	25	2	3328
81954	112	33	159	.1	27	1	340
81955	78	30	112	.1	10	1	497
81956	113	1035	2889	.9	38	2	936
81957	96	97	352	.1	16	1	436
81958	87	216	717	.1	9	1	595
81960	96	21	119	.1	8	1	540
81963	114	643	851	.6	8	2	996
81964	92	400	822	.5	12	1	1215
81965	54	3	110	.2	11	1	191
81966	66	16	89	.1	20	1	169
81967	69	31	239	.1	23	2	381
81968	129	9	125	.1	6	1	587
81970	94	7	94	.1	8	1	724
81971	119	113	323	.3	14	1	957
81972	66	44	161	.1	13	1	769
81973	79	12	264	.3	16	2	479
81974	84	23	117	.2	16	1	424
81975	59	19	73	.2	6	1	574
81976	90	3	71	.1	3	2	1067
81977	116	93	215	.1	2	1	788
81979	107	51	212	.2	2	1	1216
81980	79	11	132	.3	7	1	575
81981	80	138	375	.1	9	1	957
81982	110	44	106	.2	4	7	1286
81983	24	104	480	.3	16	1	354
81984	19	44	121	.2	17	1	371
81985	23	177	261	.7	25	1	451
81986	16	13	105	.1	50	1	379
81987	38	67	62	.3	32	1	430
81988	26	50	83	.4	18	1	448
81989	32	71	93	.5	26	2	410
81990	22	48	63	.1	7	1	394
81991	17	20	78	.1	8	1	353
STD C/AU 0.5	60	36	137	7.0	39	490	-

ACME ANALYTICAL LABORATORIES LTD.
 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
 PHONE 253-3158 TELEX 04-53124

DATE RECEIVED: NOV 12 1985

DATE REPORT MAILED: *Nov 20/85*

ASSAY CERTIFICATE

1.00 GRAM SAMPLE IS DIGESTED WITH 50ML OF 3-1-2 OF HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR,
 AND IS DILUTED TO 100ML WITH WATER. DETECTION FOR BASE METAL IS .01%.

- SAMPLE TYPE: CORES AU* 10 GRAM REGULAR ASSAY BA* .16M LIBO2 FUSION. 5% HNO3 LEACH & ICP ANALYSIS.

ASSAYER: *D. Toyer* DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

G. BELIK FILE # 85-3078A PAGE 1

SAMPLE#	Cu %	Pb %	Zn %	Ag OZ/T	Au* PPB	Ba* PPM
81959	.01	.07	.24	.04	15	535
81961	.01	.07	.22	.05	5	731
81962	.02	.06	.35	.06	60	910
81969	.01	.09	.33	.05	4	643
81978	.01	.33	1.12	.07	7	1969
82006	.01	.15	.52	.04	2	12709
82007	.01	.17	.08	.05	3	31426
82012	.01	.10	.24	.10	3	804
82013	.01	.18	.74	.08	7	549
82017	.01	.07	.24	.03	2	762
82021	.01	.25	1.47	.08	9	493
82025	.01	.14	.72	.04	2	949
82027	.01	.22	.98	.13	2	518
82030	.01	.12	.47	.07	3	1705
STD R-1/AU 0.5	.89	1.37	2.41	2.97	510	-

G. BELIK FILE # 85-3078

PAGE 2

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au* PPB	Ba PPM
81992	21	23	106	.1	21	2	251
81993	21	14	131	.1	39	4	424
81994	26	79	113	.4	8	1	552
81995	28	48	77	.3	7	1	499
81996	16	4	180	.1	7	2	535
81997	83	95	170	.5	6	1	1789
81998	64	44	88	.3	9	1	2159
81999	17	297	25	.8	6	1	431
82000	14	16	24	.2	20	2	359
82001	36	118	86	.3	14	2	1134
82002	31	94	193	.1	7	1	1015
82003	10	20	119	.2	8	1	540
82004	44	412	749	.8	5	3	983
82005	26	15	71	.1	7	1	811
82008	70	13	95	.1	7	1	6333
82009	89	232	915	.2	10	1	870
82010	83	697	1810	.5	8	4	766
82011	86	131	408	.2	18	2	552
82014	85	211	690	.4	17	1	211
82015	72	18	106	.1	13	1	272
82016	102	822	3234	.7	31	2	707
82018	73	55	181	.1	9	1	548
82019	92	19	107	.1	14	1	473
82020	86	861	4252	.8	82	4	473
82022	127	179	998	.2	54	1	587
82023	84	30	135	.1	19	1	479
82024	80	19	192	.1	13	1	711
82026	80	22	124	.1	8	2	1096
82028	110	27	94	.3	12	1	545
82029	120	74	223	.4	14	1	825
82031	89	6	79	.1	9	2	1763
STD C/AU 0.5	59	38	136	7.0	38	500	-