12.00 APPENDICES

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APPENDIX VII

DRILL LOGS

GOLD CREEK PROJECT

1989-1990 Drill Holes

HOLE #	LOCATION	CO-ORDINATES	DIP	BEARING	LENGTH	DATE STARTED	DATE COMPLETED
G89-01	Gold Mtn. Face Rd. Grid	UTM 5442620N 621760E	-45°	45°	31.4 m (103')	Dec. 12/89	Dec. 14/89
G90-01	Gold Mtn. Face Rd. Grid	UTM 5441770N 622350E	-90°	---	166.7 m (547')	Jan. 12/90	Jan. 14/90
G90-02	Gold Mtn. Face Rd. Grid	UTM 5442280N 621420E	-90°	---	141.7 m (465')	Jan. 15/90	Jan. 16/90
G90-03	Gold Mtn. Face Rd. Grid	UTM 5441200N 622360E	-90°	---	145.1 m (476')	Jan. 17/90	Jan. 19/90
G90-04	Stone Farm	UTM 5449700N 614050E	-90°	---	153.9 m (505')	Jan. 20/90	Jan. 22/90
G90-05	Stone Farm	UTM 5450300N 615175E	-90°	---	133.2 m (437')	Jan. 23/90	Jan. 24/90
G90-06	Stone Farm	UTM 5449375N 614400E	-45°	0°	222.8 m (731')	Jan. 24/90	Jan. 27/90
G90-07	Stone Farm	UTM 5449550N 614150E	-45°	100°	41.1 m (135') Overburden	Jan. 27/90	Jan. 29/90
G90-08	Stone Farm	UTM 5449525N 614125E	-60°	100°	32.0 m (105') Overburden	Jan. 30/90	Jan. 31/90
G90-09	Stone Farm	UTM 5449440N 613520E	-90°	---	65.5 m (437')	Jan. 31/90	Feb. 03/90
G90-10	Stone Farm	UTM 5449460N 614900E	-90°	---	111.9 m (367')	Feb. 04/90	Feb. 04/90

CORE STORED IN WYCLIFFE, B.C.

GOLD CREEK PROJECT

1989-1990 Drill Holes

HOLE #	LOCATION	CO-ORDINATES	DIP	BEARING	LENGTH	DATE STARTED	DATE COMPLETED
G90-11	Stone Farm	UTM 5449300N 614210E	-45°	030°	159.7 m (524')	Feb. 04/90	Feb. 06/90
G90-12	Chain Lakes	UTM 5449560N 618900E	-90°	---	171.3 m (562')	Feb. 07/90	Feb. 09/90
G90-13	Stone Farm	UTM 5449440N 613550E	-90°	---	148.4 m (487')	Feb. 10/90	Feb. 14/90
G90-14	Stone Farm	UTM 5449440N 613490E	-90°	---	84.1 m (276')	Feb. 14/90	Feb. 15/90
G90-15	West of Stone Farm	UTM 5448940N 612600E	-90°	---	118.0 m (387')	Feb. 16/90	Feb. 18/90
G90-16	Stone Farm	UTM 5449800N 614760E	-90°	---	92.0 m (302')	Feb. 18/90	Feb. 19/90
G90-17	Gold Mtn. Face Rd. Grid	UTM 5443090N 621160E	-90°	---	100.6 m (330')	Feb. 20/90	Feb. 21/90
G90-18	Gold Mtn. Face Rd. Grid	UTM 5444490N 623120E	-90°	---	93.6 m (307')	Feb. 21/90	Feb. 22/90
G90-19	Gold Mtn. Face Rd. Grid	UTM 5441800N 622400E	-90°	---	172.9 m (567')	Feb. 24/90	Feb. 25/90
G90-20	Osprey Nest Ranch	UTM 5456500N 614880E	-90°	---	85.4 m (280')	Feb. 11/90	Feb. 17/90
G90-30	TeePee Creek	UTM 5460500N 606160E	-90°	---	148.1 m (486')	Feb. 9/90	Feb. 12/90
G90-31	TeePee Creek	UTM 5460570N 606360E	-90°	---	91.5 m (300')	Feb. 13/90	Feb. 16/90

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-89-1 PAGE: 1

COMMENCED: December 13, 1989	DISTRICT:	COLLAR DIP: -45°	TESTS @:
COMPLETED: December 15, 1989	PROPERTY:	BEARING: -225°	
LOGGED BY: Jim Ryley	LOCATION:	LENGTH:	
DATE LOGGED: December 15, 1989	CO-ORD.:	CORE SIZE: NQ	
	ELEV.:	% RECOVERY:	ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu
0.0-	10.67m	COLLAR No recovery in overburden.			
10.67-	26.25m	OVERBURDEN Sub-rounded to rounded pebble to cobble sized fragments and localized sections of competent core 10-20 cm long. Lithology consists of dark-gray chert, light green to brown siltstones and quartzites. Localized 10-20 cm sections of core are chracteristically slightly to moderately altered, thinly bedded quartzites/siltstones occasionally with disseminated manganese and limonite.			
26.25-	31.40m	QUARTZITE Light purple sub-well rounded, moderatley sorted. Very fine-medium grained quartzite with 1-2% medium grained Jasper. Quartzite is moderately hard-hard. Trace pyrite. Occasional interbedded with 2-3 cm bands light brown medium coarse grain quartzite, no visible sulphides, contact is gradational.			
		Sampling: 39401 11.17-11.27 m 0.10 m	1	21	1
		39402 11.57-11.66 m 0.09 m	1	1659	384
		39403 11.83-11.93 m 0.10 m	1	68	1
		39404 12.39-12.51 m 0.12 m	3	1796	9
		39405 13.41-13.74 m 0.33 m	3	582	2
		39406 15.50-15.71 m 0.21 m	1	1076	16
		39407 17.64-18.00 m 0.36 m	1	596	4
		39408 18.90-19.21 m 0.31 m	1	280	3
		39409 19.21-19.25 m 0.04 m	1	30	3
		39410 22.65-22.82 m 0.17 m	2	508	6
		39411 28.85-29.08 m 0.23 m	1	6	3
		39412 29.08-29.53 m 0.45 m	1	68	1
		39413 29.53-31.40 m 0.87 m	1	46	12
31.40m		END OF HOLE			

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-1 PAGE: 1

COMMENCED: January 12, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: January 14, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: P. Klewchuk LOCATION: Gold Mtn. Face Grid LENGTH: 166.7 m
DATE LOGGED: January 18, 1990 CO-ORD.: 541770N, 622350E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu
0.0-33.7m		OVERBURDEN\CASING; No core.			
33.7-54.1m		TUFFACEOUS SEDIMENTS Light gray to medium gray-green very fine grained tuffaceous siltstone and argillaceous siltstone is mixed with ~25% darker green volcaniclastic 'grit' or coarse sandstone bands which contain basaltic volcanic and tuffaceous fragments up to 1.5 cm long. Tuffaceous siltstones are typically finely laminated but range up to ~1.5 cm thick bands. Bedding is lensey, wavy & locally broken up with bedding - parallel fragments - possible slump units. Darker green volcaniclastic grit units are up to 15 cm in thickness. The section is quite massive but bedding is cut locally by thin calcite-filled fractures. Narrow zones of brownish carbonate (calcite and siderite (?)) alteration occur on the margins of the calcite veinlets; locally there is associated dendritic manganese. Bedding is typically at 45° to c/a, calcite veinlets crosscut bedding at ~90°, also at nearly 45° to c/a. Coarser lenses within the tuffaceous units commonly carry fine grained disseminated pyrite, up to 2 or 3%. Fragments within the coarser volcaniclastic grit units consist of pale gray tuff fragments, feldspar (?) crystals and biotite. Dark green chloritic fragments are probably basalt. Very minor Cpy occurs locally. A few narrow bands have a lapilli tuff texture with 1-2 cm diam. rounded, altered pale gray lapilli in a dull gray-green basaltic matrix.			
		Samples: 45201 33.7-35.2 m 1.5 m	1	107	3
		45202 35.2-36.4 m 1.2 m	3	174	35
		45203 36.4-37.6 m 1.2 m	3	95	1
		45204 37.6-39.2 m 1.6 m	1	162	4
		Note: 35.7 to 38.7 40 cm core loss; appears to be at 37.6 m, 'included' in this sample. Brownish limonitic altered, probably surface oxidation.			
		45205 39.2-40.7 m 1.5 m Tuffaceous argillites, patchy brownish carbonate alteration.	1	507	1
		45206 40.7-42.2 m 1.5 m Tuffaceous argillites, patchy brownish carbonate alteration, minor lapilli tuff.	2	520	4
		45207 42.2-43.5 m 1.3 m Darker green, more massive unit, possible lapilli tuff.	1	67	5
		45208 43.5-45.0 m 1.5 m Massive to laminated light gray tuffs. Few calcite veins & brownish carbonate alt. 0	3	146	8
		45209 45.0-46.4 m 1.4 m Four scattered calcite veins with Mn, CO_3 alteration.	1	81	40
		45210 46.4-47.9 m 1.5 m Tuffs, minor brownish CO3 alteration.	3	117	154
		45211 47.9-49.3 m 1.4 m Tuffs, bands of 'sand gravel' volcaniclastics.	2	89	5
		45212 49.3-50.8 m 1.5 m Banded tuffs, minor 'sand gravel' volcaniclastics.	2	58	4
		45213 50.8-52.3 m 1.5 m Laminated tuffs, patchy brownish carbonate alteration.	2	268	10
		45214 52.3-53.2 m 0.9 m Laminated tuffs, minor sandy volcaniclastic bands.	1	95	2

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
33.7-54.1m		cont'd						
		45215	53.2-54.1 m	0.9 m	Laminated tuffs, minor sandy volcaniclastic bands.	2	127	14
54.1-67.0m		LAVA FLOW						
		Dark green to grayish, flow ranges from medium to fine grained (some areas are micro-Porphyritic). Top of flow is very vesicular (vuggy) and is amygdalodial in nature. Amygdules are up to 6 cm in size. The amygdules are light gray to pinkish and may be feldspathic. Some amygdules are a dark green color. Some areas show hematite staining. Flow is cut by quartz-pegmatite veins at 45° to c/a, veins show chlorite alteration and are up to 2-3 cm in width. These veins are secondary features as they cut across the amygdules. Calcareous veinlets up to 2 1/2 cm cut the c/a at 45°. Some veins show hematite staining and are slightly magnetic. Some veins have purplish boundaries. Amygdules have minor amounts of pyrite <1%.						
	Samples:	45216	54.1-55.2 m	1.1 m	Top of flow amygdaloidal, some pyrite in amygdules.	5	231	12
		45217	55.2-55.4 m	0.2 m	Quartz pegmatite vein.	4	1068	4
		45218	55.4-57.0 m	1.6 m	Vesicular part of flow, some Fe staining, calcite vein (minor one)	2	106	4
		45219	57.0-58.6 m	1.6 m	More medium grained part of flow, minor veinlets.	3	74	23
		45220	58.6-60.0 m	1.4 m	Medium-fine grained flow material, small calcareous veins.	4	197	20
		45221	60.0-61.6 m	1.6 m	Green-medium grained flow.	3	39	43
		45222	61.6-61.8 m	0.2 m	Calcareous vein, purplish color.	4	249	162
		45223	61.8-63.4 m	1.6 m	Medium grained flow material, one small vein.	3	226	19
		45224	63.4-63.6 m	0.2 m	Major vein, calcareous, Fe stained.	1	279	298
		45225	63.6-64.0 m	0.6 m	Flow material (short sample to get vein on next sample).	1	72	46
		45226	64.0-64.2 m	0.2 m	Major quartz vein.	2	62	21
		45227	64.2-65.6 m	1.4 m	Flow.	4	57	35
		45228	65.6-66.8 m	1.2 m	Bottom part of flow.	1	57	35
		45229	66.8-67.0 m	0.2 m	Bottom part of flow, amygdaloidal section (geological).	4	60	31
67.0-74.0m		TUFFACEOUS SEDIMENTS						
		Light gray to gray green. Top part of sedimentary sequence, sediments are very fine grained siltstone. Siltstones are finely laminated (up to 1 cm thick). Bedding is at 45° to core angle and is wavy. Calcareous fractures (veinlets) occur at 90° to bedding, these veins are Fe stained and some are surrounded by small alteration zones, these structures are post bedding (ie. secondary).						
	Samples:	45230	67.0-68.4 m	1.4 m	Fine laminated siltstone at top of sedimentary sequence.	5	27	20
		45231	68.4-69.8 m	1.4 m	Fine siltstones.	2	20	6
		45232	69.8-71.1 m	1.3 m	Tuffaceous siltstone (no apparent changes).	1	27	147
		45233	71.1-72.5 m	1.4 m	Tuffaceous siltstone.	1	30	60
		45234	72.5-73.8 m	1.3 m	Tuffaceous siltstone, one minor calcite vein with oxidation.	2	21	27
		45235	73.8-74.0 m	0.2 m	Major fractures, medium grained bed which does show some CO_3.	1	184	40

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
74.0-87.8m		TUFFACEOUS SEDIMENTS						
		Medium gray to dark green-grayish color. Coarse siltstone. Beds are thicker, much coarser material up to 3-4 cm, show coarse lenses, graded bedding. Cut by veinlets at 90° to bedding, veins are calcareous and show some alteration on a minor scale to host rock.						
	Samples:	45236	74.0-74.8 m	0.8 m	Sediments with areas of Fe-staining.	1	380	227
		45237	74.8-76.3 m	1.5 m	Sediments.	1	27	92
		45238	76.3-77.7 m	1.4 m	Dark green tuffaceous sediments.	1	24	4
		45239	77.7-78.7 m	1.4 m	Sediments (tuffaceous).	1	36	5
		45240	78.7-79.7 m	1.0 m	Area of Fe-stains associated with calcareous veinlets.	1	50	6
		45241	79.7-81.2 m	1.0 m	Area of lighter gray sediments (very fine) with coarser material.	1	18	30
		45242	81.2-82.7 m	1.5 m	Sediments, bands with very large fragments.	1	23	7
		45243	82.7-84.2 m	1.5 m	Tuffaceous sediments.	1	36	1
		45244	84.2-85.7 m	1.5 m	Tuffaceous sediments with several small veinlets.	1	41	3
		45245	85.7-87.2 m	1.5 m	Sediments.	2	45	3
		45246	87.2-87.8 m	0.6 m	Base of sediments, contact with volcanics.	3	50	2
87.8-123.9m		VOLCANIC FLOW (BASALT)						
		Fine grained, dark green to gray-green. Cut by quartz veins (up to 5-6 cm wide). Quartz veins show small amounts of pyrite and have a purplish tinge to them. Some areas around veins are quite broken up and show a greenish color (chlorite) due probably to alteration. Top part of flow is calcareous.						
	Samples:	45247	87.8-89.1 m	1.3 m	Top part of flow contact with sediments.	1	27	3
		45248	89.1-90.6 m	1.5 m	More fine grained top of flow.	3	26	1
		45249	90.6-92.1 m	1.5 m	Dark green flow material.	1	19	9
		45250	92.1-93.6 m	1.5 m	Flow.	2	58	39
		45301	93.6-94.3 m	0.7 m	Small sample adjacent to quartz vein.	2	146	39
		45302	94.3-94.5 m	0.2 m	Quartz-pegmatite vein, minor sulphides.	1	50	90
		45303	94.5-96.0 m	1.5 m	Flow material, fine grained, small veinlets	3	28	36
		45304	96.0-97.2 m	1.2 m	Flow.	2	13	58
		45306	97.2-97.9 m	0.7 m	Series of small veins.	1	28	111
		45307	97.9-99.1 m	1.2 m	Fine grained flow.	3	16	8
		45308	99.1-100.3 m	1.2 m	Fine grained flow.	4	10	49
		45309	100.3-101.0 m	0.7 m	Several small calcareous veins may be some alteration around them.	1	30	189
		45310	101.0-102.4 m	1.4 m	Fine grained green flow.	1	23	3
		45311	102.4-103.8 m	1.4 m	Fine grained green flow.	1	26	1
		45312	103.8-105.3 m	1.5 m	Fine grained green flow.	1	24	13
		45313	105.3-105.8 m	0.5 m	Quartz vein very large (5 cm), possibly some alteration around it.	1	22	11
		45314	105.8-107.3 m	1.5 m	Flow material.	1	47	44
		45315	107.3-108.1 m	0.8 m	Flow material.	2	21	19
		45316	108.1-108.5 m	0.4 m	Several quartz veins, calcareous.	1	35	50
		45317	108.5-109.9 m	1.4 m	Flow.	1	32	34
		45318	109.9-110.3 m	0.4 m	Small veinlets.	1	30	357
		45319	110.3-111.8 m	1.5 m	Flow, minor pyrite along fractures.	1	28	32
		45320	111.8-112.3 m	0.5 m	Flow.	1	37	50
		45321	112.3-112.4 m	0.1 m	Calcareous vein, large pyrite crystals	1	26	67
		45322	112.4-113.6 m	1.2 m	Flow.	1	24	21
		45323	113.6-113.9 m	0.3 m	Calcareous veins, some alteration(?)	1	5	54
		45324	113.9-115.4 m	1.5 m	Fine grained dark green flow.	1	33	22
		45325	115.4-117.0 m	1.6 m	Fine grained dark green flow.	1	29	59
		45326	117.0-118.5 m	1.5 m	Flow with some veinlets.	1	31	56
		45327	118.5-120.0 m	1.5 m	Volcanic flow.	1	28	77
		45328	120.0-121.2 m	1.2 m	Volcanic flow.	1	28	44

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
87.8-123.9m		cont'd						
		45330	122.5-123.2 m	0.7 m	Occurrence of large pyrite crystal in veinlets.	1	24	65
		45331	123.2-123.5 m	0.3 m	Large quartz vein minor sulphides ~1-2% Py.	1	31	470
		45332	123.5-123.9 m	0.4 m	Bottom of volcanic sequence, sulphides ~1% pyrite and calcareous veinlets	1	47	141
123.9-153.3m		TUFFACEOUS SEDIMENTS (sedimentary package)						
		Top part of sequence is dark green to gray beds of volcanics (?) mixed in with the sedimentary package, alternating beds. Yellowish-brown gold colored sediments also occur. Beds are thinly laminated and are 45-50° to c/a. Area of brecciation, 1 m long, at 128.4m. Small veins at 90° to bedding.						
		Samples: 45333	123.9-124.1 m	0.2 m	Contact area of sediments & overlying volcanics.	1	32	8
		45334	124.1-124.5 m	0.4 m	Qtz-carbonate vein slightly calcareous.	1	20	70
		45335	124.5-126.0 m	1.5 m	Fine to medium grain dark green (gray-green) & brownish colored sediments (small veinlets).	1	37	105
		45336	126.0-127.0 m	1.0 m	Fine to medium grain dark green sediments.	1	30	9
		45337	127.0-128.5 m	1.5 m	Sediments dark color (green-gray) one small quartz vein.	1	39	22
		45338	128.5-129.0 m	0.5 m	Brecciated area, small veins of calcareous material.	1	72	30
		45339	129.0-129.5 m	0.5 m	Brecciated area, small veins of calcareous material.	2	103	4
		45340	129.5-131.0 m	1.5 m	Fine grained grayish sediments. (Siltstone)	1	22	7
		45341	131.0-132.5 m	1.5 m	Fine grained grayish sediments. (Siltstone)	3	33	180
		45342	132.5-134.0 m	1.5 m	Fine grained sediments mixed with coarse grained beds of grit (sandstones (?)).	1	29	69
		45343	134.0-135.5 m	1.5 m	Fine grained sediments, small area of wavy & lensey bedding (disrupted (?)).	2	32	13
		45344	135.5-137.0 m	1.5 m	Dark medium-fine grained sediments, small veins slightly calcareous.	1	21	12
		45345	137.0-138.5 m	1.5 m	Light gray fine & massive siltstone interbedded with medium grained siltstone.	1	25	23
		45346	138.5-139.8 m	1.3 m	Medium-fine siltstone, grayish in color, small veinlets.	3	54	42
		45347	139.8-140.1 m	0.3 m	Small vein oxidized (Fe-rich) calcareous.	1	155	10
		45348	140.1-141.6 m	1.5 m	Fine gray siltstones (some interbedded medium grain).	4	30	9
		45349	141.6-143.1 m	1.5 m	Fine gray-gray green (dark) sediments.	1	22	8
		45350	143.1-143.5 m	0.4 m	Small vein iron stained.	6	19	104
		45351	143.5-145.0 m	1.5 m	Grayish sediments (mostly fine grained to clay) some "gritty" beds mixed in.	2	26	120
		45352	145.0-146.5 m	1.5 m	Grayish sediments. ┐	2	67	23
		45353	146.5-148.0 m	1.5 m	Grayish sediments. | Siltstone	1	25	58
		45354	148.0-149.5 m	1.5 m	Grayish sediments. |	1	25	77
		45355	149.5-151.0 m	1.5 m	Grayish sediments. ┘	3	22	284
		45356	151.0-152.6 m	1.6 m	Grayish sediments. Siltstone	3	22	297
		45357	152.6-153.1 m	0.5 m	Contact of volcanics & sediment.	4	23	79
		45358	153.1-153.4 m	0.3 m	Contact of volcanics & sediments (right on contact).	1	40	61
153.0-166.7m		VOLCANICS FLOW						
		Dark gray with a very "pinkish" tint, hematite staining. Cut by numerous large quartz veins, very vesicular, amygdaloidal, amygdules are filled with white feldspar material. Some mineralization along veins - pyrite, some veins appear very altered. Material is fine grained.						

FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
153	166.7m	cont'd						
		Samples: 45359	153.4-155.0 m	1.6 m	Basalt.	1	87	58
		45360	155.0-155.3 m	0.3 m	Small alteration zone.	3	48	544
		45361	155.3-155.6 m	0.3 m	Vein very broken & shattered, looks like alteration, minor amounts of pyrite.	2	80	6495
		45362	155.6-155.9 m	0.3 m	Vein with coarse grained pyrite, extensive mineralization in vein.	1	41	2027
		45363	155.9-156.2 m	0.3 m	Amygdaloidal flow.	1	36	135
		45364	156.2-156.6 m	0.4 m	Quartz vein, greenish color (alteration), some massive sulphides, pyrrhotite, pyrite & chalcopyrite.	3	53	4344
		45365	156.6-158.0 m	1.4 m	Amygdaloidal flow.	2	36	8
		45366	158.0-159.4 m	1.4 m	Amygdaloidal flow.	2	27	14
		45367	159.4-160.8 m	1.4 m	Vein quartz.	1	25	3
		45368	160.8-161.0 m	0.2 m	Basalt.	4	7	5
		45369	161.0-161.8 m	0.8 m	Basalt.	1	36	4
		45370	161.8-162.4 m	0.6 m	Quartz vein (2 small ones).	2	112	2
		45371	162.4-163.9 m	1.5 m	Flow (amygdaloidal).	1	88	4
		45372	163.9-164.1 m	0.2 m	Quartz vein.	2	35	6
		45373	164.1-164.8 m	0.7 m	Basalt.	1	36	3
		45374	164.8-165.2 m	0.4 m	Several small veins.	1	39	7
		45375	165.2-166.4 m	1.2 m	Vein with alteration.	2	35	17
		45376	166.4-166.7 m	0.3 m	Basalt.	5	29	3
166.7m		END OF HOLE						

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-2 PAGE: 1

COMMENCED: January 15, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: January 16, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: P. Klewchuk LOCATION: Gold Mtn. Face Grid LENGTH: 141.7 m
DATE LOGGED: January 16, 1990 CO-ORD.: 5442280N, 621420E CORE SIZE: NQ
ELEV.: 1050 m % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu
0.0	17.4m	OVREBURDEN; CASING No core.			
17.4	38.7m	BASALT Dark gray to dark greenish-gray; variably chloritic-altered. Quite massive. Pale gray-green plagioclase laths comprise approx. 15% of the rock; content varies throughout the interval. Felspar crystals are up to 2 cm long, average ~8 mm; most have relatively indistinct boundaries, a few are bent, no obvious preferred orientation. Minor quartz veining is scattered throughout, with associated brecciation. A few quartz-clacite-chlorite veins cut the core at ~45° to c/a; these veins are typically 3-5 cm wide. Most of the core is magnetic below ~23.5 m. Amygdules are rare; est. 1-2%. Vesicles are filled with quartz, calcite, reddish hematite and chlorite. A few narrow 'flow contacts' are present. These are fine-grained & appear to be devitrified chill contacts. In some places, e.g. at 29.4 m, hematite ± sericite + chlorite occur at or near the chill contacts. Hematite is both specular and massive reddish.			
		Samples: 45263 17.4-18.9 m 1.5 m	1	37	12
		45264 18.9-20.4 m 1.5 m; minor quartz-calcite-chlorite veining.	1	32	11
		45265 20.4-20.9 m 0.5 m; minor fault, qtz-calcite-chlorite veining and purplish hematite-alteration.	1	67	5
		45266 20.9-22.4 m 1.5 m; minor qtz-calcite veins, associated bx.	1	61	3
		45267 22.4-22.9 m 0.5 m; two 4-5 cm wide quartz-calcite-chlorite veins.	1	145	3
		45268 22.9-24.4 m 1.5 m	1	93	2
		45269 24.4-25.9 m 1.5 m	1	82	1
		45270 25.9-27.4 m 1.5 m	1	252	2
		45271 27.4-28.9 m 1.5 m	1	205	1
		45272 28.9-30.4 m 1.5 m	1	664	1
		45273 30.4-30.7 m 0.3 m	1	1488	4
		45274 30.7-32.2 m 1.5 m	2	619	197
		45275 32.2-33.7 m 1.5 m	7	914	382
		45276 33.7-35.2 m 1.5 m	1	462	2
		45277 35.2-36.7 m 1.5 m	1	393	4
		45278 36.7-38.2 m 1.5 m	1	104	1
		45279 38.2-38.7 m 0.5 m	1	81	1
38.7	46.1m	VOLCANICLASTIC SEDIMENTS Chloritic siltstone, minor 'sandstone', minor tuffaceous argillites. Darker gray-green colored, purplish. Laminated to medium bedded. Numerous bands of fragmented very fine grained purplish-gray tuffaceous sediments; elongate fragments are bedding-parallel. Numerous bands 0.5 to 3 cm thick of poorly sorted silt, sand and fine gravel sized lithic fragments which include tuff and chloritic basalt (?). A few fractures are coated with calcite and pale greenish felsic (?) clay. Bedding: typically at 45-50° to c/a. One 4 cm wide massive, coarse grained calcite-chlorite vein occurs at the contact at 38.7 m.			
		Samples: 45280 38.7-38.9 m 0.2 m	1	69	1
		45281 38.9-40.4 m 1.5 m	2	60	2
		45282 40.4-41.8 m 1.4 m	1	60	4
		45283 41.8-43.3 m 1.5 m	1	93	4
		45284 43.3-44.7 m 1.4 m	1	116	2
		45285 44.7-46.1 m 1.4 m	1	60	3

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu
46.1-60.3m		BASALT Massive, fine-medium grained, medium gray-green colored. Grain size generally increases up-hole; pale gray-green chloritized feldspar crystals are recognizable above about 52.5 m. Numerous quartz-calcite veins cut the core, mostly at angles close to 45° to c/a. Although some are ~70° to c/a. Hematite, magnetite, pyrite and chalcopyrite occur within these veinlets; oxides tend to occur as thin irregular seams; sulfides are disseminated. Quartz-calcite veins are quite uniformly scattered through the basalt, comprising about 3% by volume. Chlorite is also common in Quartz-calcite veins. Fine-grained magnetite occurs throughout and the core is moderate to strongly magnetic. Rare fine-grained Cpy is disseminated in the basalt. Fine specks of a of a yellowish mineral (altered ilmenite or rutile (?)) are scattered throughout the basalt A few possible inter-flow contacts are present, mainly in the top meter, oriented at ~45° to c/a.			
		Samples: 45286 46.1-46.8 m 0.7 m Upper part of flow.	2	45	41
		45287 46.8-47.4 m 0.6 m Calcite veins, brecciation.	1	59	61
		45288 47.4-48.9 m 1.5 m	1	122	72
		45289 48.9-50.0 m 1.1 m Calcite veins, Cpy, Py, Hem, Magnetite.	1	105	25
		45290 50.0-51.5 m 1.5 m	1	212	11
		45291 51.5-53.0 m 1.5 m	1	1018	26
		45292 53.0-54.5 m 1.5 m	1	94	20
		45293 54.5-56.0 m 1.5 m	1	147	27
		45294 56.0-57.4 m 1.4 m	1	249	27
		45295 57.4-58.8 m 1.4 m	1	533	39
		45296 58.8-60.3 m 1.5 m	1	96	194
60.3-61.9m		VOLCANICLASTIC & TUFFACEOUS SILTSTONE Laminated and thin bedded; light gray to darker green colored. Very fine-grained, lightest bands tend to be broken up; these form elongate, angular clasts along with more chloritic fragments. Bedding is ~40° to c/a. contact at 60.3 m is at 15° to c/a, 1 cm wide yellow-green 'devitrified', chloritic zone.			
		Sample: 45297 60.3-61.9 m 1.6 m	1	69	7
61.9-65.7m		FAULT BRECCIA Quite strongly brecciated massive dark gray basalt; appears to be little or no core loss; only minor fault gouge and shearing. Minor Quartz-calcite veining. A few fractures are coated with yellowish-brown iron oxide. Shearing/fracturing is at ~45° to c/a.			
		Samples: 45298 61.9-63.2 m 1.3 m	1	62	7
		45299 63.2-64.4 m 1.2 m	1	134	9
		45300 64.4-65.7 m 1.3 m	1	163	19
65.7-66.0m		Dark gray basalt with 30% Quartz-calcite-chlorite-chalcopyrite veining. Veins range from 2 mm to 3 cm wide, vary from 30° to 90° to c/a. One vein contains one massive patch of Cpy 1.5 cm across, and a few much smaller ragged patches.			
		Sample: 45377 65.7-66.0 m 0.3 m	3	28	461
66.0-69.2m		MASSIVE BASALT Dark gray to gray-green, fine-grained, weakly brecciated with a few Quartz-calcite-chlorite veins. 66.8 to 66.95 is 15 cm of massive white quartz-calcite with minor chlorite: vein is ~5 cm thick, at 25° to c/a.			
		Samples: 45378 66.0-66.8 m 0.8 m	1	38	16
		45379 66.8-67.0 m 0.2 m	15	27	13
		45380 67.0-68.1 m 1.1 m	1	45	2
		45381 68.1-69.2 m 1.1 m	4	56	54
69.2-71.1m		FAULT BRECCIA 69.2-70.2 is moderately brecciated chloritic, fine grained dark gray basalt. Sheared fracture surfaces are at 30° to 60° to c/a.			

FOOTAGE FROM	TO	DESCRIPTION	Au	Ba	Cu
69.2-71.1m		cont'd 70.2-71.1 is much more chloritic, more strongly brecciated & includes some basalt with altered medium grained feldspar. Calcite veining occurs as coarse patched and thin 'breccia matrix' veinlets, scattered through the 2 m interval.			
		Samples: 45382 69.2-70.2 m 1.0 m	1	53	15
		45383 70.2-71.1 m 0.9 m	3	49	26
71.1-73.0m		VOLCANICLASTIC & TUFFACEOUS SILTSTONES & SANDSTONES Laminated and thin bedded. Light-gray to greenish gray and slightly purplish. Very fine grained tuffs or tuffaceous siltstones are interbedded with sandy volcaniclastics which contain 1-3 mm size clasts of tuff and chloritic basalt (?) fragments. Most clasts are well rounded. Bedding is at ~50° to c/a. Fracturing and minor brecciation are present throughout the interval; local minor brecciation which crosses bedding may be related to overlying fault zone.			
		Samples: 45384 71.1-72.1 m 1.0 m	1	49	1
		45385 72.1-73.0 m 0.9 m	1	177	5
73.0-73.6m		BRECCIA Chloritized mixture of angular fragments which are similar to overlying zone. Fracturing and weak shearing tends to be at 45 to 60° to c/a.			
		Sample: 45386 73.0-73.6 m 0.6 m			
73.6-81.4 m		TUFFACEOUS SILTSTONE, MINOR VOLCANICLASTIC SANDS Laminated to medium thick bedded. Pale gray to darker greenish gray. Bedding is commonly irregular; discontinuous, lensey and 'fragmented' with angular clasts of light gray tuff within more chloritic matrix. Bedding is typically at 50° to c/a. Tuffaceous sediments locally carry fine dissem. pyrite which occurs in lenses and elongate pods; locally pyrite is concentrated in small massive sulfide lenses and pods which are up to 3 or 4 mm long. Calcite and siderite are developed within some lensey bands. Some of these carbonate-altered beds are oxidizing to a light brown color. Near 75.0 m minor brecciation has coarse white calcite vein matrix. Veins are up to 1.5 cm wide; angular laminated breccia fragments are slightly rotated.			
		Samples: 45387 73.6-74.5 m 0.9 m Mainly coarser volcaniclastic sands, minor calcite veins at 90° to bedding.	1	57	8
		45388 74.5-75.3 m 0.8 m Brownish CO_3 alteration with Mn alteration; CO_3 matrix Bx.	1	139	21
		45389 75.3-76.1 m 0.8 m Weaker CO_3 alteration, minor CO_3 veinlets	3	85	1
		45390 76.1-76.7 m 0.6 m Py lenses and pods in tuffs.	3	239	1
		45391 76.7-78.0 m 1.3 m Minor CO_3 alteration, 4 cm fault Bx at 78.0 m.	6	85	2
		45392 78.0-79.3 m 1.3 m Broken core, darker green towards 79.3; some possible lapilli tuffs.	2	59	3
		45393 79.3-81.4 m 2.1 m 2.1 m ~70 cm recovered; broken core; fault zones at 80 m and 81.2 m (?); brecciation and argillic alteration; possible core loss at both faults.	1	54	1
81.4-82.7m		Note: 81.4-84.4 m 0.5 m core loss; probably near 81.6 m. BASALT Dark green, massive, fine-grained. Fault contact at 81.4 m and possibly at 82.7 m. Amygdules appear to be rather sporadically-developed; some get up to 4 or 5 cm across; calcareous and brownish-weathered sideritic. Non-magnetic.			
		Sample:45394 81.4-82.7 m 1.3 m (0.5 m core loss).	1	223	8
82.7-101.5m		VOLCANICLASTIC SANDSTONE & TUFFACEOUS SILTSTONE The interval is quite mixed, ranging from very pale greenish-gray tuffs to darker green coarser clastics. Some bands are spotted and may be lapilli tuffs. Mainly laminated and thin bedded with a few medium thick coarser beds.			

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
82.7-101.5m		cont'd						
		Bedding angle: <10° at 83.0 m; 35° at 86.0 m; 40° at 90.5 m; 35° at 93.0 m; 45° at 95.5 m; 25° at 96.7 m; 30° at 100 m.						
		Local brownish siderite or ankerite alteration is patchily developed in brecciated tuffs. Disseminated pyrite is quite common in lighter gray tuffs as concentrating in lenses. Max. lens size is ~2 mm thick x 4 cm long.						
		Samples: 45395	82.7-83.4 m	0.7 m	Healed weak breccia with siderite and calcite alteration.	1	150	1
		45396	83.4-84.9 m	1.5 m	Gray-green tuffaceous siltstones; max. 2-3% very fine pyrite.	2	22	5
		45397	84.9-86.4 m	1.5 m	Gray-green tuffaceous siltstones; max. 2-3% very fine pyrite.	1	21	44
		45398	86.4-87.9 m	1.5 m	Gray-green tuffaceous siltstones; max. 2-3% very fine pyrite.	2	23	94
		45399	87.9-89.0 m	1.1 m	Gray-green tuffaceous siltstones; ~2-3% sulfide.	3	12	9
		45400	89.0-90.5 m	1.5 m	Coarser, darker green volcaniclastics mixed with pale lavender to gray-green tuffs.	1	29	23
		45401	90.5-92.0 m	1.5 m	Darker gray green, purplish tinge, thicker beds, possible lapilli tuffs.	1	150	4
		45402	92.0-93.6 m	1.6 m	Mixed tuffs and volcaniclastic sandstones	1	355	1
		45403	93.6-94.9 m	1.3 m	Mixed tuffs and minor calcite veining ~90° to bedding (~45° to c/a).	1	302	3
		45404	94.9-95.7 m	1.2 m	Light gray laminated tuffs. Fine grained pyrite 2-3%.	1	88	1
		45405	95.7-97.1 m	1.4 m	Mixed tuffs and sandstone.	1	186	1
		45406	97.1-98.6 m	1.5 m	Mixed tuffs and sandstone.	1	129	1
		45407	98.6-100.1 m	1.5 m	Mixed tuffs and sandstone.	4	177	1
		45408	100.1-101.5 m	1.4 m	Mixed tuffs; mainly coarser chloritic volcaniclastic sandstone.	1	92	1
101.5-110.6m		BASALT						
		Fine-grained, dark gray-green, massive, magnetic with fine-grained magnetite. Core is fairly broken but not obviously tectonically disturbed. 102-102.3 includes ~10 cm of chalcedonic quartz. Very pale green to white, very fine grained, finely laminated to massive. Basalt is brecciated over the 30 cm zone with silica matrix. Minor pyrite and reddish hematite are present in the zone. Thin quartz-calcite veins occur throughout.						
		Samples: 45409	101.5-102.0 m	0.5 m		2	104	1
		45410	102.0-102.3 m	0.3 m		1	817	40
		45411	102.3-103.8 m	1.5 m		1	20	56
		45412	103.8-105.3 m	1.5 m		1	27	100
		45413	105.3-106.6 m	1.3 m		1	25	92
		45414	106.6-107.9 m	1.3 m		1	23	31
		45415	107.9-109.2 m	1.3 m		1	98	3
		45416	109.2-110.6 m	1.4 m		1	68	13
110.6-111.9m		FAULT ZONE, BRECCIA; BASALT						
		~15 cm from 110.6-110.75 is brecciated with chloritic fault gorge; 110.75-111.2 is healed breccia with 50% Quartz-carbonate (dolomite (?)) veining. Veins tend to be at 25° to c/a, up to 10 cm thick. Minor specular hematite occurs with quartz.						
		111.2-111.9 m is brecciated basalt with 15% Quartz-carbonate-pyrite-chlorite veining at ~0° to c/a. Veins get up to ~1 cm width, pyrite and chlorite occur on margins of vein.						
		Samples: 45417	110.6-111.2 m	0.6 m		2	45	7
		45418	111.2-111.9 m	0.7 m		1	43	261
111.9-121.3m		BASALT MASSIVE & VESICULAR						
		111.9 to 113.8 is massive, fine-grained basalt similar to overlying interval 101.5-110.6 m. Below 113.8 a series of amygdaloidal basalt flows are present; interflow contacts are						

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	CU
111.9-121.3m		cont'd			
		brecciated and are probably the upper, broken portions of the flows.			
		Amygdules are chlorite, calcite and quartz with local minor hematite. Zones of breccia			
		and gouge, quite chloritic, are evidently faults. Lower contact zone at 121.3 is faulted			
		with 15 cm of chloritic fault gouge (possibly some core loss at contact).			
		Samples: 45419 111.9-113.4 m 1.5 m Massive basalt.	1	22	4
		45420 113.4-114.9 m 1.5 m Brecciated and vesicular near 114.9.	3	70	1
		45421 114.9-116.4 m 1.5 m Minor Bx and Qtz-CO_3 veins.	2	123	4
		45422 116.4-117.9 m 1.5 m Broken core.	2	98	4
		45423 117.9-119.4 m 1.5 m More competent core, vesicles basalt.	1	27	3
		45424 119.4-120.1 m 1.5 m Chloritic amygdules.	2	34	2
		45425 120.1-121.3 m 1.2 m Fault gouge 120.1-120.6 & 121.0-121.3.	1	1018	3
121.3-141.7m		TUFFACEOUS SILTSTONES, VOLCANICLASTIC SILTSTONES & SANDSTONES.			
		Light gray-green to dark gray and bluish-gray. Laminated and thin bedded with generally			
		slightly irregular bedding. Most of the interval is of fine and very fine-grained			
		tuffaceous sediments. Bedding: 65° at 121.6 m; 40° at 125.5 m; 50° at 127.5 m; 30° at			
		131.5 m; 25° at 135.5 m; 30° at 136.0 m; 50° at 138.0 m; 45° at 141.2 m.			
		Fine disseminated pyrite and chlorite is present in a 3 m lighter gray tuffaceous interval			
		from 124.1 to 127.1 m. Concentrations of pyrite are lensey, some 'cut' across bedding and			
		have chloritic margins. The interval has a pervasive greenish, chloritic-altered			
		appearance. Below the sulfide-bearing tuffs are interbedded coarser and fine-grained beds			
		of darker gray to slightly purplish color.			
		Samples: 45426 121.3-122.7 m 1.4 m Gray-green siltstones	3	336	4
		45427 122.7-124.1 m 1.4 m Gray-green siltstones	2	497	4
		45428 124.1-125.1 m 1.0 m Light gray, finely laminated to massive tuffs, very minor sulfides.	1	40	1
		45429 125.1-126.1 m 1.0 m Laminated chloritic tuffs, dissem. Cpy, Py-chlorite lenses.	4	31	731
		45430 126.1-127.1 m 1.0 m Laminated chloritic tuffs, dissem. Cpy, Py-chlorite lenses.	3	28	459
		45431 127.1-127.5 m 0.4 m Broken core, crushed tuffs poss. argillic altered fault gouge.	1	41	25
		45432 127.5-129.0 m 1.5 m Light to darker gray volcaniclastics, local Py porphyroblasts up to 3 mm diam.	2	195	21
		45433 129.0-130.5 m 1.5 m Massive to laminated volcaniclastics.	1	303	8
		45434 130.5-132.0 m 1.5 m Laminated and thin bedded siltstone and sandstones, light to medium gray colored.	3	56	9
		45435 132.0-133.5 m 1.5 m Laminated broken core 133.2 to 133.5, probable fault.	1	53	2
		45436 133.5-135.0 m 1.5 m Laminated core angle steeper; drag folding on fault above ?	2	58	2
		45437 135.0-136.5 m 1.5 m Laminated mostly broken core.	1	50	3
		45438 136.5-138.0 m 1.5 m Laminated to thin bedded, gray-green colored.	3	147	4
		45439 138.0-139.5 m 1.5 m Laminated to thin bedded, some medium thick, massive beds.	2	80	3
		45440 139.5-141.0 m 1.5 m Laminated to thin bedded, minor fault breccia at 140.7 m.	2	102	2
		45441 141.0-141.7 m 0.7 m Laminated to thin bedded.	3	108	3
141.7m		END OF HOLE			

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-3 PAGE: 1

COMMENCED: January 17, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: January 19, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: Peter Klewchuk LOCATION: Gold Mtn. Face Grid LENGTH: 145.1 m
DATE LOGGED: January 22, 1990 CO-ORD.: 5441200N, 622360E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu
0.0-11.3m		CASING			
11.2-15.7m		AMYGDALODIAL BASALT			
		Dark green to green gray in color. Appears to be one flow. Upper zone is fragmented, probably the rubbly upper part of the flow; grades downward through an amygdaloidal section to a finer grained, massive basal zone from ~15.1 to 15.7 m.			
		14.0 to 14.2, includes one 3-4 cm wide quartz vein with minor calcite at 40° to c/a. Quartz veins contains dissem. Py and very minor Cpy along with disseminated magnetite.			
		Samples: 45442 12.5-14.0 m 1.5 m	2	46	6
		45443 14.0-14.2 m 0.2 m Quartz-CO_3 vein Py, Cpy, Magnetite	3	70	49
		45444 14.2-15.7 m 1.5 m	3	27	5
15.7-33.4m		BASALT			
		Mainly massive, quite fine grained, dark green. Locally amygdaloidal, faint altered feldspar evident through much of it. Near 22.8 one brecciated flow top is evident.			
		24.7 to 25.5, 65-70% quartzite-calcite-ankerite veining with minor pyrite and dissem. magnetite. Quartz veins are at 0 to 30° to c/a. Most of the basalt is magnetic.			
		Samples: 45445 15.7-17.2 m 1.5 m Massive Basalt	2	34	20
		45446 17.2-18.7 m 1.5 m Massive Basalt	3	51	15
		45447 18.7-20.2 m 1.5 m Massive Basalt	2	122	25
		45448 20.2-21.7 m 1.5 m Massive Basalt	1	79	109
		45449 21.7-23.3 m 1.5 m Vesicular with broken flow top; brecciated	2	72	7
		45450 23.2-24.7 m 1.5 m Numerous narrow Qtz-Calcite-Ankerite veins at 60° - 90° to c/a. Ankerite veins are cut by (non-ankeritic) Qtz-Calcite veins.	2	43	3
		45451 24.7-25.5 m 0.8 m Mainly Qtz-Ankerite-Calcite veining. Minor Py, magnetite.	4	170	43
		45452 25.5-26.5 m 1.0 m Massive fine-grained basalt.	1	19	162
		45453 26.5-27.9 m 1.4 m Massive gabbro, 60%+, altered gray-green feldspar.	1	30	29
		45454 27.9-29.3 m 1.4 m Massive gabbro, 60%+, altered gray-green feldspar.	2	26	9
29.3-49.7m		VOLCANIC FLOW			
		Dark green to green gray in color. Ranges from massive to medium coarse grain. Cut by numerous quartz veins. Shows areas of finely disseminated sulphides (chalcopyrite (?)).			
		One major quartz vein shows some massive sulphides, 33.4-33.9 m. Fe stains at 33.9 m along quartz vein, other quartz veins also show iron staining. Some purplish color along quartz vein at 29.4 m. Parts of the flow have a "speckled" nature.			
		Samples: 45251 29.3-29.6 m 0.5 m Quartz vein with purple color	2	17	13
		45252 29.6-30.1 m 0.3 m Flow with several small veins.	1	22	14
		45253 30.1-30.3 m 0.2 m Quartz vein fairly large, 4-5 cm	2	31	103
		45254 30.3-31.7 m 1.4 m Flow.	1	27	56
		45255 31.7-32.6 m 0.9 m Medium coarse flow material.	2	30	58
		45256 32.6-33.4 m 0.8 m Contact area around quartz vein has speckled appearance.	1	63	7
		45257 33.4-33.8 m 0.4 m Massive sulphide intersection in quartz vein.	1	5	153
		33.4-33.8; MASSIVE PYRITE & QUARTZITE			
		75% pyrite, 25% Quartz. Pyrite is fine-medium grained, locally with concentric growth patterns in contact with quartz; pyrite appears to pre-date quartz with later in-filling of fine-grained and open-space crystals of quartz.			

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
29.3-49.7m		cont'd						
		Samples: 45258	33.8-34.3 m	0.5 m	Alteration (?) around sulphides & vein.	3	29	32
		45259	34.3-34.9 m	0.6 m	Flow material darker green.	1	21	105
		45260	34.9-35.0 m	0.1 m	Small vein.	1	9	144
		45261	35.0-35.8 m	0.8 m		3	15	95
		45262	35.8-37.3 m	1.5 m		1	18	98
		45455	37.3-38.7 m	1.4 m		2	28	64
		Below 38.7, more Quartz veining is present, est. 3%, with veins ranging from 2 mm to 3 cm wide. Many of the wider veins are growth banded, with banding parallel to contacts. Most veins are oriented at ~30° to c/a. Darker quartz veins are cut by lighter quartz veins, thin chloritic veins, commonly wavy and irregular, are scattered through this lower zone; locally there is minor pyrite with the chlorite veins.						
		Samples: 45456	38.7-40.1 m	1.4 m		2	19	56
		45457	40.1-41.5 m	1.4 m		4	20	32
		45458	41.5-42.9 m	1.4 m		2	21	5
		45459	42.9-44.3 m	1.4 m		2	21	18
		45460	44.3-45.7 m	1.4 m		3	21	23
		45461	45.7-47.1 m	1.4 m		2	26	12
		45462	47.1-48.3 m	1.2 m		1	20	38
		45463	48.3-48.8 m	0.5 m	40% Quartz-ankerite veining. 2 veins, one	2	36	181
		is quite irregular, one at 30° to c/a. Tend to be ankerite on walls, white quartz in a central zone. Veining occurs adjacent to a narrow shear zone ~2 cm wide at 48.6 m. Minor Cpy occurs in Quartz.						
		45464	48.8-49.7 m	0.9 m	Massive fine-grained basalt, 6% elongate	2	37	8
		chloritic vesicles.						
49.7-82.8m		VOLCANICLASTIC SANDSTONE & SILTSTONE & TUFFACEOUS SILTSTONE						
		Quite a mixed package of volcanic sediments. Typically thin bedded and laminated, rarely medium thick beds. Sandstone component is greater than in volcaniclastic zones in holes G-90-1 & 2. Locally there is minor disseminated pyrite and chalcopyrite. Some narrow bands of coarse sandstone carry rounded blebs of chalcopyrite and pyrite which appear to have replaced some clasts. Pyrite is commonly bounded on one or two sides by chlorite. Below about 76.5 m numerous bands of concentrated disseminated pyrite are brown-red oxidized. Some narrow intervals of core contain up to 5% pyrite. Bedding angle is close to 45° throughout. Magnetite is present in some of the sandstone units and core is magnetic.						
		Samples: 45465	49.7-50.6 m	0.9 m	Gray green tuffaceous silts, fairly massive	2	21	14
		45466	50.6-52.1 m	1.5 m	Irregularly laminated, many elongate angular clasts; dark gray-green.	3	18	8
		45467	52.1-53.9 m	1.8 m	Laminated to medium thick bedded; fine-grained darker gray-green volcaniclastics.	1	45	7
		45468	53.9-55.0 m	1.1 m	More massive to faintly laminated; darker gray-green.	3	47	22
		45469	55.0-56.2 m	1.2 m	Mixed, light gray to dark green, fine grained and sandstone.	3	25	19
		45470	56.2-57.4 m	1.2 m	Faintly light gray and gray-green tuff.	2	23	17
		45471	57.4-58.6 m	1.2 m	Faintly light gray & local lenses of pyrite	2	16	53
		45472	58.6-59.2 m	0.6 m	Faintly light gray & local lenses of pyrite 30 cm of light brown pervasive oxidation.	3	245	740
		45473	59.2-59.9 m	0.7 m	Brownish-oxidized faintly laminated tuffs.	2	162	132
		45474	59.9-61.3 m	1.4 m	Light gray tuff mixed with thin sandy lenses.	3	37	148
		45475	61.3-62.6 m	1.3 m	Light gray tuff more sandy lenses; 25-30%	3	448	31
		45476	62.6-64.1 m	1.5 m	Massive fine-grained sandy unit, gray-brown-green, faintly laminated.	5	107	21
		45477	64.1-65.1 m	1.0 m	Sandy, laminated, slightly brownish-altered 10cm broken core, hematite stained at 64.3m	3	547	14
		45478	65.1-66.4 m	1.3 m	Mixed light gray tuffs and gray-green volcaniclastic sands.	1	40	6

FOOTAGE FROM	TO		DESCRIPTION			ANALYSIS Au	Ba	Cu
49.7-82.8m	cont'd							
		45479	66.4-67.7	1.3 m	Irregularly laminated sandstone & siltstone volcaniclastic, 40 cm pale brownish carbonate oxidation.	2	87	16
		45480	67.7-69.1	1.4 m	Irregularly laminated sandstone & siltstone volcaniclastic, 50-60 cm pale brownish carbonate oxidation.	5	174	14
		45481	69.1-70.5 m	1.4 m	Irregularly laminated sandstone & siltstone volcanicalstic, 40 cm of vaguely brownish carbonate alteration.	1	146	17
		45482	70.5-72.0 m	1.5 m	Mainly light gray tuffaceous siltstone irregularly bedded on a small scale.	1	247	10
		45483	72.0-73.0 m	1.0 m	Darker gray-green, more massive sandy volcaniclastics.	1	871	11
		45484	73.0-74.0 m	1.0 m	Wavy-bedded sandy & silty volcaniclastics bedding deepened to 35° to c/a.	5	77	10
		45485	74.0-74.6 m	0.6 m	Sandstone & siltstone brownish-altered, some of which is carbonate.	5	286	13
		45486	74.6-76.0 m	1.4 m	Laminated sandy volcaniclastics minor brownish (non-carbonate) alteration.	6	520	19
		45487	76.0-77.0 m	1.0 m	Laminated sandy volcaniclastics, slightly more brownish (non-carbonate) alteration.	6	730	40
		45488	77.0-77.7 m	0.7 m	Laminated sandy volcaniclastics, patchy intense brownish-red oxidation on bedding parallel and cross-cutting fractures.	6	24	81
		45489	77.7-78.8 m	1.1 m	Green-gray sandy & silty volcaniclastics; patchy oxidation around lensey concentrations of pyrite, particularly common below 78.3 m.	5	20	131
		45490	78.8-79.5 m	0.7 m	Mixed sandy & silty volcaniclastics. Strong patchy development of pyrite, particularly in coarser grained sandy intervals; these bands appear silicified and have tiny vugs. Bands contain up to 15-20% pyrite over 2-3 cm.	8	1	128
		45491	79.5-80.4 m	0.9 m	Mixed sandy and silty volcaniclastics; strong brownish alteration through most of the interval.	6	10	99
		45492	80.4-81.3 m	0.9 m	Mixed sandy and silty volcaniclastics; minor pale brownish alteration.	5	33	74
		45493	81.3-81.5 m	0.2 m	Mostly coarser volcaniclastics with silica and pyrite replacement. Abundant dissem. Magnetite.	4	5	74
		45494	81.5-81.8 m	0.3 m	Weakly laminated 'siltstone' abundant Magnetite, fine Pyrite.	1	207	8
		45495	81.8-82.1 m	0.3 m	Porous coarse volcaniclastics - silicified strong Py in some bands, abundant Mg	4	49	35
		45496	82.1-82.8 m	0.7 m	Coarse sandy volcaniclastics - silicified with local concentration of pyrite, vuggy, magnetite is abundant. Fine Py is common in fine grained, light gray tuff bands.	2	56	27
82.8-117.2m	ALTERED VESICULAR & AMYGDALOIDAL BASALT Variable in texture, color and alteration. Much of it is purple to reddish, hematite-altered, some is lighter gray-green colored and appears bleached. Variably magnetic. Some vesicles are open, some partially filled, some completely filled. Recognizable material in vesicles is pale blue or white colloidal silica. A few quartz veins are present; magnetite is developed along the margins. Specular hematite is common, dissem.							

FOOTAGE FROM	TO		DESCRIPTION			ANALYSIS Au	Ba	Cu
82.8-117.2m	cont'd							
		45497	82.8-84.1 m	1.3 m	Patchy purple & brown alteration, some magnetite.	6	97	13
		45498	84.1-85.6 m	1.5 m	Patchy purple & brown alteration, few partially filled/leached vesicles.	1	129	42
		45499	85.6-86.9 m	1.3 m	Patchy purple & brown alteration, mottled texture, fine dissem. specular hematite.	1	54	67
		49500	86.9-88.5 m	1.6 m	Patchy brown alteration, core very broken some limonite.	2	91	71
		49001	88.5-90.0 m	1.5 m	Mostly hematite stained, some patches of greenish (bleached) alteration.	1	54	37
		49002	90.0-91.5 m	1.5 m	Purple colored to gray-green, minor amount of vesicles and alteration.	1	101	19
		49003	91.5-93.0 m	1.5 m	Reddish-purple, blotches of alteration,	1	157	8
		49004	93.0-94.5 m	1.5 m	Vesicular, some limonitic; few partially filled vesicles, bleached areas present.	3	1279	15
		49005	94.5-96.0 m	1.5 m	Bleached gray-green, vesicles partially filled with bluish silica and dissem. magnetite.	2	236	16
		49006	96.0-97.5 m	1.5 m	Bleached gray-green, grades downward into darker gray basalt with limonitic leached vesicles.	1	123	11
		49007	97.5-98.8 m	1.3 m	Dark gray to pale brown-gray basalt. Limonitic vesicles are partially filled with quartz and specular hematite. Some magnetite in basalt.	2	242	7
		49008	98.8-100.1 m	1.3 m	More massive, mottled brown-green, small vesicles/amygdules up to 5 mm diam.	1	317	2
		49009	100.1-101.3 m	1.2 m	More massive, gets quite vesicular in lower 40 cm. Flow contact at 101.2 m at 50° to c/a. Appears to be glassy contact which has . Vesicles are limonitic with quartz and dissem. specular hematite and magnetite.	1	661	2
		49010	101.3-102.5 m	1.2 m	Strongly vesicular/amygdaloidal basalt purplish-gray colored. Vesicles are brownish-limonitic. Some are coated with botryoidal goethite. Some are filled with massive Graphite. One vesicle has coarse crystals of tabular barite. One has possible cinnabar. Magnetite occurs dissem. in basalt.	1	544	11
		49011	102.5-102.7 m	0.2 m	Quartz-chlorite vein. Contacts are at 35° to c/a, both margins are chloritic.	1	51	43
		49012	102.7-104.2 m	1.5 m	Small quartz-limonite partially-filled vesicles. Specular hematite commonly encrusts quartz in vesicles. 6 cm wide crush zone at 103.8 m, at 25° to c/a.	1	137	14
		49013	104.2-105.7 m	1.5 m	Small reddish-oxidized vesicles, some amygdules of quartz and specular hematite. Basalt is quite massive.	1	208	16
		49014	105.7-107.3 m	1.6 m	Quite massive flow contact at 107.0 m, at ~25° to c/a. Basalt is massive with very few small amygdules below 107.0 m but is quite magnetic- fine grained magnetite.	1	355	3
		49015	107.3-108.8 m	1.5 m	Fine grained basalt, dull gray with brown-pink coloration, magnetic.	2	331	158

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	
		49016	108.8-110.3 m	1.5 m	Massive basalt; weakly foliated to ~109.6 m amygdaloidal below with quartz-hematite filled vesicles.	5	187	991	
		49017	110.3-110.5 m	0.2 m	Chloritic fault breccia with calcareous matrix. Contacts are at ~45° to c/a.	2	849	19	
		49018	110.5-112.0 m	1.5 m	Vesicular basalt with complex flow contacts at 110.6 m and 111.6 m. Some vesicles partially filled with quartz and specular hematite. Some magnetite.				
		49019	112.0-113.5 m	1.5 m	Massive, vesicular and amygdaloidal basalt. Some broken core.	3	472	11	
		49020	113.5-115.0 m	1.5 m	Moderately broken. Vesicular & amygdaloidal	5	234	157	
		49021	115.0-116.1 m	1.1 m	Waning hematitic alteration but with strong hematite on fractures. Mostly amygdaloidal (Some vesicles; vesicles filled with quartz and hematite).	1	253	33	
		49022	116.1-116.9 m	0.8 m	Waning hematitic alteration but with strong hematite on fractures. Mostly amygdaloidal (Some vesicles; vesicles filled with quartz and hematite).	3	27	2	
		49023	116.9-117.2 m	0.3 m	Minor narrow included fault zone with 2 cm wide quartz-chlorite vein at 50° to c/a. Fine grained dissem. Py in quartz. Broken, chloritic core.	1	31	4	
117.2-145.1m	AMYGDALOIDAL BASALT Relatively unaltered, massive gray-green, generally quite fine-grained & magnetic. Vesicles are filled with quartz, minor hematite and, from ~117.2 to about 120 m, a yellowish dolomite. chlorite rims many of the amygdules. Central portion of some amygdules is chalcedonic quartz.								
	Samples:	49024	117.2-118.7 m	1.5 m		3	26	6	
		49025	118.7-120.2 m	1.5 m		3	22	9	
		49026	120.2-121.7 m	1.5 m		3	26	2	
		49027	121.7-122.6 m	0.9 m	Rusty, chl. alteration over 30 cm @ 122.2 m	2	60	13	
		49028	122.6-123.9 m	1.3 m		3	27	7	
		49029	123.9-124.1 m	0.2 m	Typical basalt but with a 1 cm wide pyrite quartz/chalcedony vein. Pyrite occurs on margins of the vein, chalcedony is central.	3	27	32	
		49030	124.1-125.6 m	1.5 m	Some broken core.	2	25	3	
		49031	125.6-127.1 m	1.5 m	Minor hematitic alteration.	1	26	24	
		49032	127.1-127.5 m	0.4 m	Flow contact zone; chloritic alteration, minor limonite.	1	65	336	
		49033	127.5-129.0 m	1.5 m		1	34	341	
		49034	129.0-130.5 m	1.5 m		2	38	67	
		49035	130.5-132.0 m	1.5 m		1	141	73	
		49036	132.0-133.4 m	1.4 m		1	211	2	
		49037	133.4-134.7 m	1.3 m	Crushed core near 134.6 m, chloritic	1	37	4	
		49038	134.7-135.8 m	1.1 m	Crushed core near 134.9, hematitic alteration locally.	1	17	149	
		49039	135.8-136.8 m	1.0 m		1	93	54	
		49040	136.8-137.1 m	0.3 m	Quartz-pyrite vein within basalt, 5 cm wide 50° to c/a; 30-40% pyrite concentrated on margins of vein.	1	23	158	

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
117.2-145.2m	cont'd							
		49041	137.1-138.6 m	1.5 m	Vesicular & amygdaloidal;limonitic vesicles	1	148	10
		49042	138.6-140.1 m	1.5 m	Vesicular & amygdaloidal; few limonitic vesicles	1	43	1
		49043	140.1-141.6 m	1.5 m	Light gray, few amygdules.	1	24	1
		49044	141.6-143.1 m	1.5 m	Gray-green chloritic, numerous large dolomite & quartz amygdules.	11	26	3
		49045	143.1-145.1 m	2.0 m	Series of at least 5 flow contacts, pale gray to greenish chloritic. Magnetite in amygdules & in basalt.	1	25	2
145.1m	END OF HOLE							

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-4 PAGE: 1

COMMENCED: January 20, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: January 22, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: P. Klewchuk LOCATION: Stone Farm LENGTH: 153.9 m
DATE LOGGED: CO-ORD.: 5449700N, 614050E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	Au	Ba	Cu
0.0-41.75m		CASING; No core. Note: Bedrock may be at ~12 m but triconing was continued because of soft bedrock.			
41.75-43.2m		SILTY LIMESTONE & CALCAREOUS SILTSTONE Light gray to light-brownish-gray, laminated to thin-bedded; variably limey and silty. Thin vuggy quartz-calcite veinlets cut the core at angles of 25-35° to c/a.			
		Sample: 49046 41.75-43.2 m 1.35 m	2	72	4
43.2-58.5m		ARGILLITE & SILTSTONE Light to dark gray. Typically laminated and thin bedded. Calcareous above ~49.0 m; only locally calcareous below. Core is quite broken, with numerous brownish-oxidized fractures. Bedding angle is ~55° throughout; fractures cut core at steep angles of ~30° to c/a (60° dip). If beds dip East, fractures strike E-W and dip both N & S. Dissem. pyrite occurs throughout, mostly very fine grained and disseminated but locally concentrated along fractures with pyrite and locally dissem. as coarser grins in 'sandier' portions of beds. Coarse-grained pyrite is euhedral and porphyroblastic.			
		Samples: 49047 43.2-44.7 m 1.5 m Moderately calcareous..	1	40	9
		49048 44.7-46.2 m 1.5 m Broken core, oxidized fractures	1	44	22
		49049 46.2-47.7 m 1.5 m Broken core, minor crushed, oxidized fault zone at 47.0 m.	2	29	26
		49050 47.7-48.9 m 1.2 m Bottom 40 cm of broken core, calcite veining.	3	14	3
		49051 48.9-50.4 m 1.5 m Broken core, oxidized, limonitic fractures	2	34	7
		49052 50.4-51.9 m 1.5 m Broken core, oxidized, limonitic fractures laminated.	1	37	32
		49053 51.9-53.4 m 1.5 m Broken core, oxidized, limonitic fractures laminated.	1	40	20
		49054 53.4-54.9 m 1.5 m Broken core, oxidized fractures.	3	33	9
		49055 54.9-56.4 m 1.5 m Few oxidized fractures (~60 cm core loss)	1	25	5
		49056 56.4-57.9 m 1.5 m Coarse pyrite with chlorite in fractures at 56.6 m; core more competent (getting below oxidized zone).	4	27	14
		49057 57.9-58.5 m 0.6 m Few oxidized fractures.	3	33	9
58.5-62.5m		SILTSTONE, QUARTZITE & ARGILLITE 58.5 to 60.1 is more massive, light gray silty quartzite with vague siltstone and argillite laminations. 60.1 to 62.5 grades downward to more argillaceous rock; thinly bedded and laminated. Bedding is at 45 to 55° to c/a. Fine grained pyrite, quite minor, is present throughout.			
		Samples: 49058 58.5-60.1 m 1.5 m	2	13	8
		49059 60.1-61.3 m 1.2 m	2	18	4
		49060 61.3-62.5 m 1.2 m	1	16	4
62.5-69.2m		ARGILLITE & SILTSTONE Wavy laminated, dark gray to gray-green colored. Laminated and thin-bedded; most bedding is irregular with evidence of weak current activity common. Bedding is typically at 60-65° to c/a. Fine pyrite occurs in very minor concentration throughout. Locally (eg. 67.4 to 67.8) coarser-grained pyrite is concentrated in basal sandy portions of beds. At 66.2 m one 2-3 cm wide quartz vein contains chlorite and fine grained pyrite.			
		Samples: 49061 62.5-64.0 m 1.5 m	1	25	15
		49062 64.0-65.5 m 1.5 m	1	34	7

FOOTAGE FROM	TO	DESCRIPTION				Au	Ba	Cu
62.5-69.2m		cont'd						
		Samples: 49063	65.5-67.0 m	1.5 m	One 2-3 cm Qtz-Cal-Py vein at 66.2 m.	1	37	9
		49064	67.0-67.4 m	0.4 m		2	31	24
		49065	67.4-67.8 m	0.4 m	More abundant coarse pyrite.	2	40	68
		49066	67.8-69.2 m	1.4 m	Broken core, localized coarse pyrite.	1	30	3
69.2-71.0m		PYRITIC ARGILLITE						
		Dark gray to black, non-calcareous, laminated. Core is quite broken. Pyrite is dissem. throughout but concentrated in some zones, usually bedding - parallel. Parts of the interval are fractured with calcite veinlets.						
		Samples: 49067	69.2-70.1 m	0.9 m		2	22	52
		49068	70.1-71.0 m	0.9 m		2	12	34
71.0-90.6m		QUARTZITE, DOLOMITIC QUARTZITE & SILTSTONE						
		Light to medium gray. Irregularly laminated & thin bedded. Locally weakly brecciated with thin white dolomite veins. Pyrite is disseminated through most of the interval, commonly very fine grained but locally medium grained and concentrated as bedding-parallel lenses, laminations or along fractures.						
		Samples: 49069	71.0-71.7 m	0.7 m	Darker gray, laminated	1	5	3
		49070	71.7-72.9 m	1.2 m	Brecciated, patchy pale brown carbonate alteration.	3	6	7
		49071	72.9-73.9 m	1.0 m	Irregularly laminated, lensey patches of white dolomite.	1	3	7
		49072	73.9-74.8 m	0.9 m	Brecciated, vein matrix of dolomite.	2	2	16
		49073	74.8-76.3 m	1.5 m	Broken core, minor faulting, dolomite veining, dissem. Py.	1	6	10
		49074	76.3-77.8 m	1.5 m	Broken core, laminated, medium-dark gray.	1	5	13
		49075	77.8-79.3 m	1.5 m	Medium gray, laminated & thin bedded.	1	10	6
		49076	79.3-80.8 m	1.5 m	Minor brecc., pale brownish alteration.	1	18	2
		49077	80.8-82.3 m	1.5 m	Sandy laminated, patchy brownish alteration.	1	24	1
		49078	82.3-83.8 m	1.5 m	Light-medium gray, laminated. Very minor fine pyrite.	1	30	1
		49079	83.8-85.3 m	1.5 m	Light-medium gray, laminated. Very minor fine pyrite, bleaching.	1	37	2
		49080	85.3-86.8 m	1.5 m	Light-medium gray, laminated. Very minor fine pyrite, broken core, dolomite veining	2	32	2
		49081	86.8-88.3 m	1.5 m	Light-medium gray, laminated. Very minor fine pyrite.	1	18	14
		49082	88.3-89.8 m	1.5 m	Light-medium gray, laminated. Very minor fine pyrite, few thin white dolomite veins	1	5	5
		49083	89.8-90.6 m	1.5 m	Light gray, laminated. Quartz content increases downward.	1	2	4
90.6-115.1m		QUARTZITE & DOLOMITIC QUARTZITE						
		Mainly light gray, ranging from white to medium-gray. Locally with yellowish bands. Irregularly laminated, almost mottled in texture. Local patchy development of crystalline, vein quartz. Sections are quite finely laminated with lensey bands of coarser white crystalline quartz; possible pervasive silicification. Fine-grained pyrite occurs throughout. Locally concentrated on laminations. Some of the pyrite is very fine-grained.						
		Samples: 49084	90.6-92.1 m	1.5 m	Light gray, quite massive, laminated, irregular Py vein.	1	10	1
		49085	92.1-93.6 m	1.5 m	Light gray, mottled laminated.	2	16	1
		49086	93.6-95.1 m	1.5 m	Light gray, mottled laminated, local bedding parallel Py 'vein', local Quartz veins.	1	7	1
		49087	95.1-96.2 m	1.1 m	light gray, brownish CO_3 alteration around 3 cm wide calcite vein (30^o to c/a)	1	7	2

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
90.6-115.2m		cont'd						
		Samples: 49088	96.2-97.9 m	1.7 m	Light gray, laminated, fine grained Py local broken core.	2	2	3
		49089	97.9-99.4 m	1.5 m	Light gray, laminated to mottled, some styolitic 'contacts'.	1	5	1
		49090	99.4-100.9m	1.5 m	Light gray, laminated to mottled, dissem. and patchy, lensey Py.	3	10	1
		49091	100.9-102.4 m	1.5 m	Light gray, laminated, Py-rich lams.	1	14	1
		49092	102.4-103.5 m	1.1 m	Light gray, laminated, Py-rich lams, broken core.	1	4	2
		49093	103.5-104.6 m	1.1 m	Light gray, laminated, patchy brownish CO_3 alteration adjacent to calcite veins at 45° to c/a (with east dipping beds, veins would dip west).	1	4	1
		49094	104.6-105.3 m	1.1 m	Most of the interval is brownish CO_3 (calcite/ankerite) altered with calcite veins, broken core.	1	8	3
		49095	105.3-106.8 m	0.7 m	Light gray mottled laminated texture; recrystallization/silicification of laminated rock (?).	4	2	1
		49096	106.8-108.2 m	1.5 m	Light gray, mottle laminated dolomitic quartzite.	2	5	1
		49097	108.2-109.6 m	1.4 m	Light gray, mottled laminated dolomitic quartzite.	3	11	2
		49098	109.6-111.0 m	1.4 m	Light gray, mottled laminated dolomitic quartzite.	2	10	3
		49099	111.0-112.4 m	1.4 m	Light gray, mottled laminated.	2	4	3
		49100	112.4-113.8 m	1.4 m	Silicified dolomitic quartzite. Laminated to banded medium gray color.	1	2	4
		49101	113.8-115.1 m	1.3 m	Light gray laminated and mottled.	2	12	4
115.1-117.5m		SILICIFIED CALCAREOUS DOLOMITE						
		Medium to darker gray, irregularly laminated with lensey bands of white crystalline dolomite. Interval is very siliceous and is either strongly silicified or a dolomitic, calcareous quartzite. Bedding is at 65° to c/a.						
		Samples: 49102	115.1-116.3 m	1.2 m		2	3	6
		49103	116.3-117.5 m	1.2 m		1	3	6
125.0-127.5m		CALCAREOUS 'QUARTZITE' OR INTENSELY SILICIFIED LIMESTONE						
		Wavy laminated, with indistinct bedding plane contacts, ie. texture resembles a carbonate rather than a quartzite but the rock is 85-90% fine quartz grains. Color is light gray throughout. Fine grained pyrite is quite common throughout, est. 2-3%, locally concentrated in bands and irregular 'veins'. 125.0 to ~125.4 m contains subhedral to euhdral orthorhombic pale greenish crystals which may be barite or anhydrite. These crystals comprise est. 5% of this upper 40 cm - they are randomly oriented within a very light gray massive, fine grained cherty silicified 'quartzite'. At 127.0 m a broken mass of core contains veining of white calcite and coarse crystalline white dolomite. Bedding is at ~65° to c/a.						
		Samples: 49110	125.0-126.1 m	1.1 m		2	30	1
		49111	126.1-127.5 m	1.4 m		1	17	4
127.5-153.9		LIMESTONE; SILICIFIED, PYRITIC & GRAPHITIC						
		Medium to dark gray with lighter gray lensey, irregular laminations common. Finely laminated, lensey laminated and locally more massive and apparently more silicified. Strongly calcareous throughout; variably silicified. Graphite is quite common on bedding planes in darker gray and black sections. Fine pyrite occurs throughout and may be associated with silicification. Pyrite is rarely medium grained. Most common texture is a discontinuously, lensey laminated light gray-dark gray texture which may be primary or influenced by silicification. Core is moderately broken throughout and there is some core						

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
127.5-153.9		cont'd						
		loss in the interval. Bedding varies from ~50° to 65° to c/a.						
		Samples: 49112	127.5-129.0 m	1.5 m	Mixed, lensey, irregular laminated to finely laminated and mottled. Est. 20 cm core loss.	2	6	6
		49113	129.0-130.5 m	1.5 m	Irregular, lensey laminations/color banded light to dark gray.	1	5	11
		49114	130.5-132.0 m	1.5 m	Laminated, massive and mottled. 1 cm wide quartz-calcite vein at 131.5 m with chalcedony-pyrite veinlet.	1	11	7
		49115	132.0-133.5 m	1.5 m	Laminated, and color-banded, minor very fine pyrite.	1	6	15
		49116	133.5-135.0 m	1.5 m	Dark gray, more massive, some wavy laminations.	1	7	14
		49117	135.0-136.5 m	1.5 m	Massive to laminated; dark gray. Silicification disrupts laminations adjacent to cross-cutting fractures. Weakly brecciated with white Qtz-calcite veinlets.	1	12	4
		49118	136.5-138.0 m	1.5 m	Massive to laminated and color-banded bx with white Quartz-calcite veinlets.	1	7	10
		49119	138.0-139.5 m	1.5 m	Massive to laminated and color-banded bx with white Quartz-calcite veinlets.	1	8	10
		49120	139.5-141.0 m	1.5 m	Mainly light gray-dark gray color banded. Very fine disseminated pyrite.	2	9	6
		49121	141.0-142.3 m	1.3 m	Mainly light gray-dark gray color banded. Very fine disseminated pyrite.	1	11	9
		49122	142.3-143.3 m	1.0 m	Mainly laminated, local Quartz-calcite veining with coarse pyrite, 20 cm core loss; rounded, ground fragments at 143.3 m with strong concentration of med. grained pyrite; ~6 mm bands with 20% Py. Py occurs with a pale greenish silicate (?) mineral.	2	10	8
		49123	143.3-144.8 m	1.5 m	Healed 'brecciated' color-banded texture. Appears to be an irregular silicification. Pyrite occurs as small pods with calcite. 'Coarser' pyrite commonly rims pyritic calcite 'blebs'. Appears to be a replacement texture.	1	14	13
		49124	144.8-146.3 m	1.5 m	Mainly laminated fine and medium grained pyrite. 10-15 cm core loss.	2	13	13
		49125	146.3-147.8 m	1.5 m	Darker gray; quite massive to finely laminated.	2	13	11
		49126	147.8-149.3 m	1.5 m	Massive dark gray limestone. Coarse white calcite veins at 147.85 and 148.5 m, up to 10 cm wide; broken core.	1	26	12
		49127	149.3-151.5 m	2.2 m	Broken core. Massive to color banded ~0.5 m core loss.	1	16	10
		49128	151.5-153.9 m	2.4 m	Broken core. Massive to color banded. Reported as 24 m (one run); only 80 cm recovered.	1	16	9
153.9m		END OF HOLE						

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-05 PAGE: 1

COMMENCED: January 23, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: January 24, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: J. Ryley LOCATION: Stone Farm LENGTH: 133.2 m
DATE LOGGED: Jan. 29-Feb.1, 1990 CO-ORD.: 5450300N, 615175E CORE SIZE: NQ
March 06-07, 1990 ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
0.0-27.7m		OVERBURDEN, CASING No core.				
27.74-46.70m		TUFFACEOUS SEDIMENTS Light green to gray-brown, very fine to fine grain tuffaceous siltite interbedded with thin to medium bedded, medium to coarse grained dark green chloritic fragments. These coarse grains exhibit normal grading with sharp, lower bedding contacts and diffuse upper contacts. Bedding is typically wavy and often locally lensoidal, soft sediment deformation is common. Occasional clastic dykes occur throughout the section consisting of dark green volcaniclastic fragments contained within a siliceous, slightly calcareous matrix. These transect bedding at ~90°. There appears to be an increase in pyrite (very fine grain) in these sections. Localized sections of alteration are coincident with an increase in fracturing and brecciation. Sections are typically light to medium brown, slightly calcareous with numerous micro-fractures which often exhibit Mn-dendritic staining. Typical offset in zones of brecciation is 1-2 cm.				
	Samples: 49301	27.74-28.75 m 1.01 m	1	206	55	
	49302	28.75-29.60 m 0.85 m Thin bedded, localized oxidation.	1	983	10	
	49303	29.60-30.34 m 0.74 m Heavily fractured, oxidized.	1	386	4	
	49304	30.34-31.84 m 1.5 m Interbedded tuffs, slight fracturing 1-2 cm offset.	1	407	1	
	49305	31.84-32.22 m 0.38 m Thinly laminated tuffaceous siltstones	1	476	1	
	49306	32.22-32.75 m 0.53 m Numerous micro-fractures, calcite veinlets. Note: 8 cm lost core.	1	661	4	
	49307	32.75-34.25 m 1.5 m Thin lam, competent, occ. pyrite.	1	128	1	
	49308	34.25-34.41 m 0.21 m As above.	1	260	4	
	49309	34.41-34.85 m 0.44 m Oxidized-light brown, tuffaceous siltstone.	1	653	3	
	49310	34.85-35.94 m 1.09 m Pale green, sly siliceous unit with 3 cm lithic tuff band at lower contact.	1	256	6	
	49311	35.94-37.03 m 1.33 m Thinly laminated softer more silty section, numerous micro-fractures, carbonate alteration.	1	261	1	
	49312	37.03-37.39 m 0.36 m Siliceous competent section.	2	57	1	
	49313	37.39-37.47 m 0.08 m 3 cm "bleb" quartz with 1% coarse pyrite bordered by a chloritic rind. One coarse grain chalcopyrite.	1	23	452	
	49314	37.47-38.28 m 0.82 m Thin lam tuff/siltites (siliceous).	1	79	2	
	49315	38.28-39.46 m 1.18 m Banded tuffs, silty, numerous micro-fractures.	1	554	8	
	49316	39.46-39.76 m 0.30 m Very soft, carbonate alteration with Mn dendritic staining.	1	214	6	
	49317	39.76-41.26 m 1.50 m Numerous micro-fractures, Fe carbonate alteration.	1	105	2	
	49318	41.26-42.40 m 1.14 m As above.	1	202	5	
	49319	42.40-43.90 m 1.5 m Thinly bedded wavy chloritic bands, siliceous with occasional pyrite.	2	51	2	
	49320	43.90-44.80 m 0.90 m Medium brown, moderately soft, slightly calcareous, moderately altered silty unit. Extensive alteration of silty beds between chloritic "sandy" bands.	1	468	21	100
	49321	44.80-46.30 m 1.50 m Interbedded tuffaceous sediments.	4	81	4	40
	49322	46.30-46.70 m 0.40 m As above.	2	108	2	100

FOOTAGE FROM	TO	DESCRIPTION	Au	Ba	Cu	Hg
46.70-48.54m		SILTSTONE				
		Massive with occasional coarse 1-2 cm chloritic, siliceous bands.				
		Samples: 49323 46.70-48.20 m 1.50 m	2	42	2	120
		49324 48.20-48.54 m 0.34 m	6	72	5	110
48.54-49.35m		INTERBEDDED TUFFACEOUS SEDIMENTS				
		Increase in grain size at lower contact with slightly fractured and altered sediments.				
		Sample: 49325 0.81 m	1	43	3	150
49.35-50.91m		ALTERED SEDIMENTS				
		Moderately altered, iron stained section. Very thin coarse beds.				
		Samples: 49326 50.95-51.76 m 0.81 m Thinly interbedded siltstone/tuff, at approximately 55° to c/a.	4	226	1	80
		49327 51.76-52.43 m 0.67 m Moderate fractured, slightly altered, thinly bedded tuffaceous sediments.	2	91	1	30
		49328 52.43-53.90 m 1.47 m Light gray to green, thin laminated to thinly bedded tuffaceous sediments. This section is typically interbedded with coarse grain. Medium green beds and massive very fine grained silty beds. Numerous sedimentary dykes occur throughout the section.	4	75	2	60
		49329 53.90-54.36 m 0.46 m Moderately fractured very thin bedded sediments, micro-fractures at 90° to bedding, gradational to increase in $FeCo_3$ alteration at bottom of section.	3	63	1	40
54.36-54.72m		LAPILLI TUFF				
		Normal graded light to medium green tuff				
		Sample: 49330 0.46 m	4	276	1	20
54.72-55.61m		TUFFACEOUS SEDIMENTS				
		Light green interbedded tuffaceous sediments gradational massive coarse-grained beds, slight alteration (weathering) due to fracturing (healed).				
		Sample: 49332 0.89 m	4	123	6	20
55.61-55.23m		LAPILLI TUFF				
		Light green very coarse grained volcaniclastic.				
		Samples: 49333 0.12 m	1	272	1	50
		49334 55.73-56.42 m 0.69 m Light green, thinly bedded tuffaceous sediments with upper 15 cm light brown with $FeCO_3$ alteration & Mn dendritic staining.	1	172	1	30
		49335 56.42-56.62 m 0.20 m Medium brown Fe stained, slightly calcareous section with occasional concretionary halos.	1	475	2	50
		49336 56.62-58.12 m 1.50 m Tuffaceous, gradational to coarse at lower contact.	2	285	1	60
		49337 58.12-58.48 m 0.36 m As above.	3	1099	2	80
58.48-59.53m		ALTERED SEDIMENTS				
		Dark-brown slightly calcareous, very thinly bedded section whose bedding is cut by a 3-6 cm volcaniclastic breccia dyke.				
		Sample: 49338 0.20 m	6	280	1	60
59.53-60.34m		ALTERED SEDIMENTS				
		Light green to brown moderately soft, very thinly bedded. Slightly altered sediments, numerous microfractures healed with calcite, groundmass is predominantly calcareous, fracturing shows offset up to 1 cm. Bedding is coarse to very fine massive.				

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
60.34-60.64m		VOLCANICLASTIC Light green to purple interbedded volcaniclastics. Variation in colors is provided by massive, very fine-grained thin beds. Siltstone interbedded with coarse-grained Fe-stain quartz & felspar rich beds. Typical medium to coarse beds are common. Bedding shows truncation.				
60.64-61.00m		Thin bedded light green to gray sediments, groundmass moderate hard.				
61.00-64.15m		Light-green flow, massive with sections of brecciation at 61.00-61.70 m, 63.11-63.34 m = 63.70-64.15 m. Brecciation is moderate, appearing as clay gouge or fragmental sized pieces matrix supported in a clay selvedged, either as rubble or dyke cross-cutting flow bedding.				
	Samples: 49342	61.00-61.70 m 0.70 m	3	187	5	100
	49343	61.70-63.11 m 1.41 m	2	102	3	30
	49344	63.11-63.34 m 0.23 m	1	112	53	40
	49345	63.34-63.70 m 0.36 m	3	132	12	30
	49346	63.70-64.15 m 0.45 m	2	129	19	40
64.15-68.24m		Light-gray to tan massive to occasional thinly interbedded tuffaceous sediments with localized sections of alteration which are light-medium brown, slightly calcareous, very porous, moderately soft to soft, Mn dendrite stained, brecciation is minimal. Competent section has <5% healed fractures with minimal offset.				
	Samples: 49347	64.15-65.32 m 1.17 m Moderate to intensely altered, light-gray to medium brown tuffaceous sediments, abundant Mn stained bottom of section.	3	167	5	30
65.32-67.32m		Slightly altered interbedded volcanic sediments, ~10-15% fractures, perpendicular to bedding with Mn dendritic stain, section is silty, moderate hard to moderate soft. Bedding at 60° to c/a.				
	Samples: 49348	65.32-66.82 m 1.50 m	2	49	3	130
	49349	66.82-67.32 m 0.60 m	1	279	3	140
67.32-68.32m		Medium brown oxidized, moderate altered sediments, abundant Mn stain on fractures, very similar to 64.15-65.32.				
	Sample: 49350	67.32-68.32 m 1.00 m	3	418	6	330
68.32-71.00m		Light gray to green interbedded tuffaceous sediments. Section contains bands (1-10 cm) coarse grained andesitic/basaltic sediment within very fine grained silty massive beds. Core is moderate hard to hard & competent.				
	Samples: 49351	68.32-69.82 m 1.50 m	2	128	4	100
	49352	69.82-71.00 m 1.18 m	2	145	11	40
71.00-71.94m		Light-gray to purple thin laminated to thinly bedded tuffaceous sediments. Interbedded coarse grained to massive silty beds. Upper 40 cm is light green silty unit with undulatory thin-laminar planar bedding.				
	Sample: 49353	71.00-71.94 m 0.94 m	1	96	6	30
71.94-72.20m		Light brown, moderate-soft massive siltstone (volcanic). Occasional Mn staining.				
	Sample: 49354	71.94-72.20 m 0.36 m	1	265	5	80
72.20-79.85m		Light-medium green to purple interbedded tuffaceous sediments. Section is thinly bedded with siltstone and coarse grained and basaltic fragments. Bedding is typically wavy with occasional clastic dykes. Siltstone fragments and soft sediments deformation. Bedding typically at 55° to c/a.				
	Samples: 49355	72.20-73.42 m 1.22 m	3	492	1	5
	49356	73.42-74.92 m 1.50 m	2	497	2	10
	49357	74.92-76.38 m 1.46 m	2	136	7	5
	49358	76.38-77.88 m 1.50 m	1	78	2	10

FOOTAGE FROM	TO	DESCRIPTION	Au	Ba	Cu	Hg
72.20-79.85m		cont'd				
		49359 77.88-79.38 m 1.50 m	3	54	3	80
		79.38-79.63 m 25 cm lost core				
		49360 79.63-79.85 m 0.22 m	4	39	1	10
79.85-83.45m		Light-green, very fine-grained moderate hard siliceous (sedimentary) section with occasional laminae coarse-grain volcanic grit. Occasional wisps very fine grained pyrite.				
		Samples: 49361 79.85-81.35 m 1.50 m	2	47	23	5
		81.35-81.40 m lost core				
		49362 81.40-82.90 m 1.50 m	1	24	2	90
		49363 82.90-83.45 m 0.55 m	1	47	6	250
83.45-83.75m		Oxidized, competent interval, lithology differs from that above, section is relatively soft porous, competent & thinly bedded. Mainly siltstone with occasional thin bands coarse bands, coarse grained volcanic grit.				
		Sample: 49364 83.45-83.75 m 0.30 m	1	356	8	360
83.75-88.12m		As at 79.85-83.45 with increase in thin laminae in last 60.00 cm of section.				
		Samples: 49365 83.75-82.25 m 1.50 m	3	52	5	90
		49366 82.25-86.75 m 1.50 m	1	40	10	110
		49367 86.75-88.12 m 1.37 m	2	80	7	150
88.12-88.65m		ALTERED SEDIMENTS				
		Light-gray to buff, occasional rusty brown, siliceous section with occasional thin laminae coarse-grained sediments. Moderate brecciation with clay alteration, up to 1% disseminated pyrite and magnetite, occasional Mn dendritic stained.				
		Sample: 49368 88.12-88.65 m 0.53 m	1	47	6	180
88.65-93.00m		INTERBEDDED TUFFACEOUS SEDIMENTS				
		Light-gray to green, moderate hard thick to thinly bedded volcanic sediments. Groundmass is quartz-feldspathic with occasional thin bands of siltstone. Occasional wisps very fine grained pyrite. Medium to coarse-grained andesitic grains, sub-rounded occur pervasive and localized in thin-medium beds.				
		Samples: 49369 88.65-90.10 m 1.45 m	1	30	2	40
		49370 90.10-90.55 m 0.45 m	2	34	2	30
		49371 90.55-90.83 m 0.28 m Medium-dark coarse grained tuffaceous sedimentary with occasional mud chip laminae	1	90	8	20
		49372 90.83-92.33 m 1.50 m	1	50	21	10
		49373 92.33-93.00 m 0.67 m	1	28	1	5
93.00-98.97m		INTERBEDDED SILTSTONE/TUFFACEOUS BEDS				
		Light-gray, slightly siliceous massive unit with occasional thin beds coarse grained tuffaceous. Occasional wisps pyrite in sections void of coarse-grained andesitic fragments				
		Samples: 49374 93.00-94.27 m 1.27 m Light-green thinly bedded sediments	1	29	1	10
		49375 94.27-95.77 m 1.50 m Light-gray, thin laminated-massive siltite with occasional wisps pyrite	1	22	3	150
		49376 95.77-97.27 m 1.50 m Light-green gray thinly bedded tuffaceous sediments.	1	23	2	90
		49377 97.27-98.77 m 1.50 m As above	4	43	5	250
		49378 98.77-98.97 m 0.20 m As above.	5	47	3	140
98.97-99.14m		Dark green inversely graded lithic tuffaceous.				
		Sample: 49379 98.97-99.14 m 0.17 m	1	34	6	60
99.14-99.70m		INTERBEDDED TUFFACEOUS SEDIMENTS				
		light-gray to green thinly bedded siltite coarse grained andesitic fragments. Bedding at 55° to c/a.				
		Sample: 49380 99.14-99.70 m 0.56 m	1	25	2	50

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
99.70	-100.13	ALTERATION Light green, slightly to moderately silicification, healed brecciation of bedding, numerous fragments at random orientation, original bedding textures lost. Sample: 49381 99.70-100.13 m 0.43 m	2	31	2	
110.13						
	-100.70	BASALT FLOW Light-medium green to purple massive, slightly altered flow at 100.51 zoned quartz veinlet, wavy with minor chloritic development on border. Trace (<1%) chalcopyrite near upper contact. Sample: 49382 100.13-100.70 m 0.15 m	1	57	83	
100.70						
	-100.85	Vuggy quartz veining within slightly altered flow. Sample: 49383 100.70-100.85 m 0.15 m	1	48	47	
100.85						
	-103.10	BASALT FLOW Light purple, numerous microfractures, coloration a product of slightly to moderate alteration. Some chloritic development along fractures. Samples: 49384 100.85-102.35 m 1.50 m	1	37	6	30
		49385 102.35-103.10 m 0.85 m	1	34	28	10
103.10						
	-103.90	GOUGE ZONE light green incompetent sheared flow, very soft and friable, badly broken to rubble. Sample: 49386 103.10-103.90 m 0.80 m	1	25	27	20
103.90						
	-105.12	BASALT FLOW Medium-green, slightly altered, massive, fine-grained, occasional quartz bands (<1 cm) with occasional trace chalcopyrite. Sample: 49387 103.90-105.12 m 1.22 m	8	21	7	10
105.12						
	-105.19	Quartz/carbonate vein 2-4 cm, angular to wavy on borders, numerous splays thin wisps of quartz. Samples: 49388 105.12-105.19 m 0.07 m	1	16	7	10
105.19						
	-108.00	FLOW Volcanic, medium-green porphyritic in upper 30 cm (medium coarse grain) slight alteration in zones of development of plag phenocrysts along margins of quartz/carbonate veinlets. Samples: 49389 105.19-106.69 m	1	23	3	5
		49390 106.69-107.35 m	1	31	1	10
		49391 107.35-107.42 m 0.07 m Quartz/carbonate with blebs (<1%) hematite & fine grained chalcopyrite	2	12	32	40
		49392 107.42-108.00 m	5	11	2	10
108.00						
	-119.00	BASALT FLOW Medium-green, angular porphyritic, coarse grained, random orientation but occasional preferential along fractures, some slicks & chlorite development. Samples: 49393 108.00-109.50 m	1	8	4	5
		49394 109.50-111.00 m	1	15	1	5
		49395 111.00-112.21 m	1	17	3	10
		49396 112.21-112.41 m Moderate brecciation, numerous fractures at 25° to c/a with chlorite development	4	25	3	10
		49397 112.31-113.91 m	1	14	8	10

FOOTAGE FROM	TO	DESCRIPTION			ANALYSIS Au	Ba	Cu	Hg
108.00								
	-119.00	cont'd						
		49398	113.91-114.30 m		1	7	29	180
		49399	114.30-114.55 m	Healed brecciation with numerous micro-fracture at 20° to c/a. One quartz/carbonate vein (1 cm wide) at 114.50. Number of visible mineralization.	2	6	29	20
		49400	114.55-116.00 m		1	10	32	30
		49401	116.00-117.50 m		1	10	1	50
		49402	117.50-119.00 m		1	7	14	210
119.00								
	-119.20	ALTERATION ZONE						
		Light-purple, bleached hydrothermally alteration flow, two quartz/carb bands, 1 cm wide at upper and lower contact. Trace disseminated hematite, one speck chalcopyrite.						
		Sample: 49403	119.00-119.20 m 0.20 m		1	60	19	60
119.20								
	121.00	FLOW BASALT						
		Not Sampled						
121.00								
	-121.15	Quartz/carbonate vein, occasional vein with trace fine grained chalco infilling, trace hematite vein is zoned with quartz in centre as 2 cm band, selvedge of light-green clay on upper and lower contact.						
		Sample: 49404	121.00-121.15 m 0.15 m		1	24	48	140
121.15								
	-126.73	BASALT FLOW						
		Samples: 49405	121.15-122.65 m		1	31	8	20
		49406	122.65-124.15 m		2	51	48	10
		49407	124.15-125.65 m		1	25	27	5
		49408	125.65-126.73 m		1	21	36	5
126.73								
	-127.13	FLOW						
		Moderate brecciation in andesitic flow, ~10 gash fractures with silicification, trace pyrite, chalcopyrite.						
		Sample: 49409	126.73-127.13 m		1	18	17	5
127.13								
	-127.77	FLOW						
		Basalt, occasional tension fractures infilled with quartz, trace pyrite at 127.60 m						
		Sample: 49410	127.13-127.77 m		1	18	32	10
127.77								
	-127.90	Quartz/carbonate veinlet, 2 cm wide at 25° to c/a.						
		Sample: 49411	127.77-127.90 m		1	25	72	5
127.90								
	-129.75	FLOW						
		Basalt, massive with intersecting quartz veinlets 1-2 cm wide at 128.30, 128.50. These represent secondary emplacement = alteration which produces bleaching on original veining Secondary veining has trace chalcopyrite at 128.30.						
		Sample: 49412	127.90-129.75 m		2	25	81	5

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
129.75						
	-129.90	QUARTZ VEIN				
		At 20° to c/a, 3 cm wide, trace disseminated pyrite, chalcopyrite, greater % disseminated hematite but <1%.				
		Sample: 49413 129.75-129.90 m	1	42	214	20
129.90						
	-131.21	FLOW				
		Basalt, massive, numerous microfractures, euhedral pyrite at 130.30.				
		Sample: 49414 129.90-131.21 m	2	48	41	20
131.21						
	-131.55	ALTERATION ZONE				
		Dark green to purple with coloration change from upper to lower contact due to increase in hydrothermal alteration at lower contact. Very thin laminae magnetite within silicified band (3 cm) & trace chalcopyrite in lower 10 cm.				
		Sample: 49415 131.21-131.55 m	1	33	7	5
131.55						
	-132.04	VOLCANIC SEDIMENTS				
		Light-medium green to tan siltstone laminae interbedded with medium grained volcaniclastic. Mud-chip fragments upper 10 cm.				
		Sample: 49416 131.55-132.04 m	4	33	1	10
132.04						
	-132.17	FLOW CONTACT				
		Light-green to purple with chlorite laminae development at upper contact. Sub-rounded to rounded coarse grained feldspar with slight alteration.				
		Sample: 49417 132.04-132.17 m	1	22	1	10
132.17						
	-132.23	FLOW				
		Basalt - massive, occasional micro-fractures at 28° to c/a.				
		Sample: 49418 132.17-132.23 m	1	74	2	10
132.23		END OF HOLE				

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-6 PAGE: 1

COMMENCED: January 24, 1990 DISTRICT: Ft. Steele COLLAR DIP: -45° TESTS @:
COMPLETED: January 27, 1990 PROPERTY: Gold Creek BEARING: Due North
LOGGED BY: Peter Klewchuk LOCATION: Strong Farm LENGTH: 222.8 m
DATE LOGGED: CO-ORD.: 5449375N, 614400E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
0.0-6.1m		CASING; no core.						
6.1-23.4m		ALTERED VOLCANICLASTICS; TUFFACEOUS SILTSTONE WITH MINOR LAPILLI TUFFS & SANDSTONE Variably gray-green colored with patchy yellowish-brown carbonate alteration developed throughout. Laminated and thin bedded, usually wavy bedded. A few bedding parallel and cross-cutting quartz-carbonate veins are present. Numerous zones of localized brecciation with yellow-brown 'argillic' alteration occur through most of the interval. Bedding ranges from 25° to 35° to c/a, 30° is above average.						
		Samples:	49129	7.0-8.5 m	1.5 m Tuffaceous siltstone, brownish oxidized; few very thin calcite veinlets.	7	104	9
			49130	8.5-10.0 m	1.5 m Tuffaceous siltstone, brownish oxidized; Mn with brownish alteration/oxidation.	3	267	43
			49131	10.0-11.5 m	1.5 m Tuffaceous minor sandy units. Thin calcite veins.	1	266	7
			49132	11.5-13.0 m	1.5 m Tuffaceous weak brecciation with calcite vein matrix.	1	70	3
			49133	13.0-14.5 m	1.5 m Tuffaceous siltstone minor brecciation with calcareous veinlets, patchy brown CO_3 alteration.	4	65	6
			49134	14.5-16.0 m	1.5 m Tuffaceous siltstone lensey brownish alteration, non-calcareous, may be oxidation of pyrite; characteristically like pyrite seen in DDH G-90-1,2,3 in tuffs	2	69	22
			49135	16.0-17.5 m	1.5 m Mainly tuffs, 15% coarser sand, 50% brecciated with clay matrix, yellow-brown	1	204	11
			49136	17.5-19.0 m	1.5 m Tuff, 5% sandstone, 40% breccia.	1	177	5
			49137	19.0-20.5 m	1.5 m Tuffs, minor oxidation/alteration, minor brecciation.	1	106	2
			49138	20.5-22.0 m	1.5 m Tuffs mixed with chloritic specs which may be altered lapilli; one (1) cm Qtz-CO_3 vein	2	165	11
			49139	22.0-23.4 m	1.4 m Tuffs, 20% sandy beds 4 cm wide bedding parallel Qtz-CO_3 vein at 27.3 with chlorite and specularite.	1	249	17
23.4-27.8m		MASSIVE VOLCANICLASTIC SILTSTONE Sharp contacts at 23.4 & 28.3 m along with faint internal laminating make this a sedimentary rock; dull gray-green, fine grained and quite massive (i.e. looks superficially like a fine-grained volcanic flow). Very few Qtz-calcite veins are present. Some shearing at 23.6 m, at 20° to c/a with associated broken core. Internal laminations are ~30° to c/a						
		Samples:	49140	23.4-24.8 m	1.4 m	4	184	4
			49141	24.8-26.3 m	1.5 m	4	102	12
			49142	26.3-27.8 m	1.4 m	3	205	10
27.8-49.9m		VOLCANICLASTICS; MAINLY TUFFACEOUS SILTSTONE, MINOR COARSE SILTSTONE Pale gray to greenish gray, laminated to thin bedded, rare medium thick beds. Minor brownish carbonate alteration occurs as scattered patches, usually proximal to thin calcite veinlets. Brownish discoloration/alteration/oxidation occurs also in small scattered brecciated zones. Generally, alteration and discoloration decrease downward. Fine grained pyrite is present locally as thin lensey masses in finer-grained tuffs; one 10 cm piece of core at 41.3 m is rusty discolored from oxidation of very fine grained pyrite in bluish silicified tuff. At 47.9 m a coarse mass of pyrite 3 cm x 5 cm across is developed in half of one piece of core.						

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
27.8-49.9m		cont'd						
		Pyrite is commonly rimmed by a pale greenish mineral, tabular crystals, possibly barite or anhydrite (?). (Note: this is a similar association to that seen in DDH G-90-4 at 143.3m)						
		Bedding is at ~30° to c/a.						
	Samples:	49143	27.8-29.3 m	1.5 m	Laminated tuffs minor bx.	2	100	1
		49144	29.3-30.8 m	1.5 m	Laminated tuffs appears slightly bleached yellowish; Qtz-Chl-CO_3 6 cm wide. Bedding parallel at 29.5 m.	2	132	12
		49145	30.8-32.3 m	1.5 m	Pale gray to greenish tuffs, few lenses of fine pyrite.	1	53	13
		49146	32.3-33.8 m	1.5 m	Pale gray to greenish tuffs, few lenses of fine pyrite.	2	59	61
		49147	33.8-35.3 m	1.5 m	Pale gray to greenish tuffs to yellow-brown altered, associated with calcite veins.	3	79	194
		49148	35.3-36.8 m	1.5 m	Pale gray to greenish tuffs, one 30cm thick coarse chloritic clastic 'gravel' section.	5	53	6
		49149	36.8-38.3 m	1.5 m	50% tuffs, 50% lensey sandy beds.	1	105	14
		49150	38.3-39.8 m	1.5 m	Mainly tuff, minor sandstone. ~10 cm core loss near 39.2.	3	51	4
		49151	39.8-41.3 m	1.5 m	Mainly tuff, minor sandstone. Local pale brown alteration.	1	73	3
		49152	41.3-41.5 m	0.2 m	Brownish-altered, silicified tuffs, fine-grained pyrite.	2	293	12
		49153	41.5-43.0 m	1.5 m	Medium gray, more massive sandy beds, minor laminated tuffs. 3 Qtz-CO_3 veins <1 cm.	1	209	14
		49154	43.0-44.4 m	1.4 m	Wavy-laminated sandier units darker gray-green.	1	84	9
		49155	44.4-45.8 m	1.4 m	Gray-green tuffs & sandstone, laminated & thin-bedded. Local bx with calcite veins.	1	86	5
		49156	45.8-47.2 m	1.4 m	Sandstone, minor tuffs, darker gray-green. One thin Qtz-carbonate vein, bedding - //.	3	54	5
		49157	47.2-48.6 m	1.4 m	Mixed sand & silty tuffs. Medium-gray-green color. Local coarse pyrite at 47.9 m.	1	84	8
		49158	48.6-49.9 m	1.3 m	Lighter gray-green. Minor brecciation with thin calcite veinlets.	1	42	11
49.9-52.7m		FAULT BRECCIA						
		Laminated & thin bedded tuffs & volcaniclastic siltstone. Variably broken core with crushed/clay matrix. Very minor alteration; there is some yellow-brown oxidation of the matrix. Stronger fractures tend to be at ~20° to c/a.						
	Samples:	49159	49.9-51.3 m	1.4 m		1	56	19
		49160	51.3-52.7 m	1.4 m		5	55	21
52.7-77.7m		TUFFACEOUS SILTSTONE, VOLCANICLASTIC SILTSTONE & SANDSTONE						
		Light gray to gray-green, laminated & thin bedded with generally wavy, indistinct bedding planes. Mostly fine-grained siltstone with minor sandy beds. Pyrite is fairly common throughout, occurring mainly as fine-grained bedding-parallel lenses & occasional cross-cutting fracture-fillings. Bedding is typically at 30-35°.						
	Samples:	49161	52.7-53.9 m	1.2 m	Darker green tuffs with thin sandy lenses. Fine disseminated Py.	1	51	9
		49162	53.9-55.4 m	1.5 m	Light gray-green tuffs, indistinct bedding. Local weak brecciation with brownish CO_3 alteration & calcite veinlets.	3	40	7
		49163	55.4-56.9 m	1.5 m	Light gray-green tuffs, fine grained pyrite patches.	3	29	2
		49164	56.9-58.4 m	1.5 m	Light gray-green tuffs, fine grained pyrite patches, very minor CO_3 veins, brownish alteration.	4	30	3
		49165	58.4-59.9 m	1.5 m	Darker green, less pyrite.	5	42	28

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
52.7-77.7m		cont'd						
		Samples: 49166	59.9-61.4 m	1.5 m	Tuffs & coarse sandy beds, locallized silicification, minor disseminated Cpy.	4	43	160
		49167	61.4-62.8 m	1.4 m	Light, gray-green tuffs, irregular bedding minor pyrite.	2	21	6
		49168	62.8-64.3 m	1.5 m	Light, gray-green tuffs, irregular bedding, wavy, lensey pyrite.	1	29	29
		49169	64.3-65.8 m	1.5 m		3	20	5
		49170	65.8-66.9 m	1.6 m	Light gray-green tuff. Lensey silicification, minor pyrite.	2	21	3
		49171	66.9-68.0 m	1.1 m	Lensey & disrupted tuffs, 40 cm volcaniclastic sandstone.	1	39	2
		49172	68.0-69.5 m	1.5 m	Mixed tuff & sandstone; broken core with minor gouge at 69.4 m.	3	49	7
		49173	69.5-71.0 m	1.5 m	Mainly darker gray-green sandstone. Minor fracturing, broken core.	1	35	38
		49174	71.0-72.3 m	1.3 m	Banded light & darker gray-green tuffs. Minor brecciation & CO_3 alteration.	1	38	19
		49175	72.3-73.6 m	1.3 m	Banded light & darker gray-green tuffs. Minor brecciation & CO_3 alteration.	3	23	1
		49176	73.6-74.9 m	1.3 m	Banded light, local lapilli (?) tuff with chloritized lapilli,local more concentrated lenses of pyrite. Some broken core.	1	15	6
		49177	74.9-76.3 m	1.4 m	Light gray-green tuffs, color banded, minor (chloritic) lapilli tuffs.	1	19	17
		49178	76.3-77.7 m	1.4 m	Light gray-green tuffs, color banded, minor pyrite.	2	22	71
77.7-83.0m		FAULT ZONE; BRECCIATED TUFFS						
		Brecciated and broken core; fragmented and crushed tuffaceous sediments with little obvious alteration. Narrow zones of gouge separate zones of crushed rock.						
		Samples: 49179	77.7-79.0 m	1.3 m	Broken, crushed tuffs 40-50% core loss.	2	21	39
		49180	79.0-80.3 m	1.3 m	Brecciated tuffs, minor crushed core.	1	63	7
		49181	80.3-81.6 m	1.3 m	Brecciated tuffs, minor crushed core.	2	31	2
		49182	81.6-83.0 m	1.4 m	Brecciated tuffs, minor crushed core.	1	33	1
83.0-83.3m		CHLORITIC FAULT GOUGE						
		Contact zone between tuffs and basalt. Quite massive, green chloritic fault gouge with disseminated pyrite.						
		Sample: 49183	83.0-83.3 m	0.3 m		3	28	1
83.3-90.6m		FAULT ZONE; BROKEN CHLORITIZED BASALT						
		Mostly crushed and broken core; competent pieces are massive fine-medium grained dark green chloritic basalt. A few white quartz-filled vesicles are present. Two narrow coarse-grained quartz-feldspar pegmatite veins cut the brecciated zone. One banded (chalcedony ?) white quartz vein near 84.6 m is wavy and sub-parallel to c/a.						
		Samples: 49184	83.3-84.5 m	1.2 m	Amygdaloidal basalt and crushed fault breccia. 4 cm wide pegmatite vein at 60° to c/a.	1	112	5
		49185	84.5-84.8 m	1.3 m	Chloritic, crushed basalt one 1.5 cm wavy banded quartz vein sub parallel to c/a.	2	110	3
		49186	84.8-86.3 m	1.5 m	Massive dark green chloritic basalt; some broken core, chloritic gouge.	1	15	3
		49187	86.3-86.9 m	0.6 m	Broken crushed core hematite-stained Quartz vein one broken Qtz-feldspar vein.	1	20	2
		49188	86.9-87.9 m	1.0 m	Massive basalt few amygdules. One thin Qtz-feldspar vein at 70° to c/a. Minor.	2	13	4
		49189	87.9-89.0 m	1.1 m	Massive basalt.	1	14	3

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
83.3-90.6		cont'd						
		49190	89.0-90.6 m	1.6 m	Massive basalt, minor Qtz-feldspar veining; brecciated & strongly chloritic.	1	13	1
90.6-91.6m		QUARTZ-FELDSPAR VEIN						
		Light gray quartz & white felspar, coarsely crystalline. Contacts are quite irregular; broken core. Minor chlorite and sericite.						
		Sample: 49191	90.6-91.6 m	1.0 m		1	7	1
91.6-135.2m		BASALT						
		Mainly medium to dark green with grayish hues. Fine to medium grained magnetic; much of it has well developed coarse feldspar phenocrysts.						
		Samples: 49192	91.6-93.0 m	1.4 m	Gray-green color, massive, fine grained few amygdules, minor broken core, thin Quartz vein.	1	14	1
		49193	93.0-94.1 m	1.1 m	Massive, dark green, medium grained. Few thin Quartz veins.	1	14	2
		49194	94.1-95.1 m	1.0 m	Brecciated with chloritic gouge thin Qtz-hematite veins.	1	11	1
		49195	95.1-96.0 m	0.9 m	Massive to brecciated chloritic basalt; few thin Quartz veins.	1	11	1
		49196	96.0-96.4 m	0.4 m	Mainly Qtz veining, minor feldspar. Chloritic basalt fragments.	1	19	15
		49197	96.4-97.3 m	0.9 m	Medium grained. 4 Qtz-fp veins 40-45° to c/a, 1-4 cm wide.	1	18	1
		49198	97.3-98.8 m	1.5 m	Medium grained. Qtz-hematite veins with minor Cpy, dark green chlorite veins.	1	19	11
		49199	98.8-100.3 m	1.5 m	Massive basalt, medium grained feldspar porphyroblasts. Dark chloritic veinlets & amygdules.	1	20	10
		49200	100.3-101.8 m	1.5 m	Massive basalt, coarser feldspar, few Quartz-feldspar veins.	1	29	11
		49201	101.8-103.3 m	1.5 m	Massive basalt, coarser feldspar.	2	20	3
		49202	103.3-104.7 m	1.4 m	Massive basalt.	1	38	1
		49203	104.7-106.2 m	1.5 m	Massive basalt. Qtz-chlorite shear zone at 15° to c/a, at 106.2 m.	1	27	1
		49204	106.2-107.6 m	1.4 m	Massive darker green basalt coarser gray feldspar phenocrysts or porphyroblasts. Minor pyrite at ~107 m.	1	19	1
		49205	107.6-109.1 m	1.5 m	Greenish basalt, broken area with chlorite alteration at ~108 - 108.5 m.	1	34	1
		49206	109.1-110.6 m	1.5 m	Massive basalt with coarse phenocrysts, chlorite alteration at top of sample (broken) several small Quartz veins.	2	16	1
		49207	110.6-112.1 m	1.5 m	Massive basalt, dark green large phenocryst Minor mineralization at 111.1 m, cut by several small veinlets of quartz, and one larger vein at 111.5 m.	3	23	1
		49208	112.1-113.1 m	1.0 m	Greenish basalt with med-coarse grain phenocrysts.	2	24	1
		49209	113.1-113.5 m	0.4 m	Massive gray basalt, Qtz-feldspar chlorite veining, one coarse patch of pyrite 2-4 cm diameter.	2	84	9
		49210	113.5-115.0 m	1.5 m	Massive gray-green basalt. Feldspar porphyroblasts (?), thin Qtz-fp veins.	1	12	1
		49211	115.0-116.5 m	1.5 m	Massive gray-green basalt.	2	23	2
		49212	116.5-118.0 m	1.5 m	Massive gray-green basalt. 1.5 cm Qtz-fp vein at 0° to c/a for 40 cm; dissem. Mg.	2	24	27

FOOTAGE FROM	TO		DESCRIPTION			ANALYSIS Au	Ba	Cu
91.6-135.2m	cont'd							
		49213	118.0-119.5 m	1.5 m	Massive gray-green basalt. 1.5 cm Qtz-fp vein at 0° to c/a for 40 cm; dissem. Cpy & Py.	2	52	33
		49214	119.5-121.0 m	1.5 m	Masive gray-green basalt, minor Qtz-Chl-fp veins, some weak shearing.	1	19	6
		49215	121.0-122.5 m	1.5 m	Massive gray-green basalt to 121.9 m; gray and silicified below 121.9 m. Qtz-Chl-sericite veins.	1	55	57
		49216	122.5-124.0 m	1.5 m	Massive green basalt, few Qtz & Chl veins.	1	35	43
		49217	124.0-125.5 m	1.5 m	Massive darker green basalt, few Quartz & Chlorite veins.	1	22	23
		49218	125.5-127.0 m	1.5 m	Dark gray-green basalt, massive with med. grain phenocrysts, minor amount of pyrite.	2	47	28
		49219	127.0-128.5 m	1.5 m	Green massive basalt with medium grain phenocrysts (feldspar), one quartz vein.	1	23	18
		49220	128.5-130.0 m	1.5 m	Gray-green basalt, appears quite fractured one small quartz vein.	1	25	40
		49221	130.0-131.5 m	1.5 m	Gray-green basalt, extensive Quartz vein running almost parallel to c/a.	3	38	16
		49222	131.5-133.0 m	1.5 m	Greenish basalt, extensive to quartz vein, minor sulphides in quartz vein at 132.7 m.	1	33	206
		49223	133.0-134.1 m	1.1 m	Light gray green massive basalt several quartz veins.	3	20	6
		49224	134.1-135.2 m	1.1 m	Light gray green massive basalt, cut by numerous veinlets.	1	49	49
135.2-170.8m	VOLCANICLASTIC & TUFFACEOUS SEDIMENTS							
	Light gray to dark gray siltstones mixed with coarse grained gray-green sediments. Laminated and thinly bedded, bedding is lensey & wavy. Cut by Quartz vveins, bedding is at ~30° to c/a. Hematite staining of some of the sediments, also areas of Fe-staining.							
	Samples:	49225	135.2-136.7 m	1.5 m	Contact area, some chalcedony at contact, very pinkish color due to hematite.	2	40	17
		49226	136.7-138.2 m	1.5 m	Fine grained sediments, pinkish color major Quartz vein at 5-10° to c/a. Chlorite alteration.	1	54	3
		49227	138.2-139.4 m	1.2 m	Fine grained gray to dark gray sediments.	2	50	2
		49228	139.4-140.6 m	1.2 m	Fine grained dark green sediments, minor fractures.	1	33	1
		49229	140.6-141.9 m	1.3 m	Greenish sediments, minor fractures.	1	30	6
		49230	141.9-143.4 m	1.5 m	Very fine grained siltstone, gray to dark gray, major Quartz vein at 142.3 m, some Fe-stain on Quartz vein.	2	36	1
		49231	143.4-144.9 m	1.5 m	Mixed coarse sandstone (greenish color) & fine gray siltstones, some Fe-staining.	1	41	2
		49232	144.9-146.5 m	1.6 m	Gray fine grained sediments (siltstones). Minor oxidized fractures.	3	30	2
		49233	146.5-148.0 m	1.5 m	Light gray and dark gray very fine grained sediments.	2	23	1
		49234	148.0-149.5 m	1.5 m	Light gray and dark gray very fine grained sediments one area at 148.2 m Fe-stained.	1	52	3
		49235	149.5-150.7 m	1.5 m	Material is coarse sands mixed with beds of fine gray sediments, lots of veins (one large one, Fe-stained).	1	60	6
		49236	150.7-151.3 m	0.6 m	Major Quartz vein in Fe-stained greenish sediments.	1	106	7
		49237	151.3-152.8 m	1.5 m	Coarse Fe-stained sandstones cut by fractures of calcareous nature.	1	109	10

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
135.2-170.8m		cont'd						
		49238	152.8-154.3 m	1.5 m	Fe staining, cut by Quartz-calcite vein, pinkish color at 154 m due to hematite.	2	85	4
		49239	154.3-155.5 m	1.2 m	Coarse sands interbedded with fine silts, pinkish color, cut by veinlets, Fe stained.	1	61	6
		49240	155.5-155.9 m	0.4 m	Large Quartz-calcite vein, Fe-stained 15 cm wide.	1	247	12
		49241	155.9-157.4 m	1.5 m	Several very broken areas, Fe staining, unconsolidated material in vein at 157 m.	1	54	44
		49242	157.4-158.9 m	1.5 m	Fe stained sandstones mixed with fine gray sediments, broken sections.	1	53	5
		49243	158.9-160.4 m	1.5 m	Fe stained, displacement along fine fractures of 0.5 cm, fine calcite stringers	1	60	5
		49244	160.4-161.9 m	1.5 m	Disrupted and broken sandstone, Fe stained 1 cm of displacement.	1	73	25
		49245	161.9-163.4 m	1.5 m	Fe stained coarse sediments.	1	78	21
		49246	163.4-164.2 m	0.9 m	Fault material (breccia)	1	72	29
		49247	164.2-165.6 m	1.4 m	Fe stained sediments, some finer silts at bottom, very broken at ~164.8 m.	1	137	21
		49248	165.6-166.9 m	1.3 m	Fe stained sediments, lensey bedding.	1	72	4
		49249	166.9-168.1 m	1.2 m	Coarse grained sediments, bedding not as obvious, pinkish color.	2	39	8
		49250	168.1-168.5 m	0.4 m	Major Quartz vein, also small veins of Qtz.	1	64	162
		49251	168.5-169.0 m	0.5 m	Large Quartz vein sediments, pinkish color several small quartz veins.	1	25	40
		49252	169.0-169.9 m	0.9 m	Medium grained, some Fe staining, pinkish (hematite) color.	1	27	31
		49253	169.9-170.8 m	0.9 m	Medium grained, some Fe staining, pinkish (hematite) color.	1	27	5
170.8-222.8m		VOLCANIC FLOW (Basalt & Amygdalodial Basalt) Flow is amygdaloidal in areas. As well the flow exhibits a gray to black matrix with coarse grained phenocrysts. Flow varies in texture to areas that show elongation of amygdules, and sections that incorporate segments of sedimentary material. Some Fe (hematite) staining is present at contact with overlying sequence. Core is dissected by numerous small stringers of Quartz as well as some larger quartz veins. Some chloritic alteration is evident along fractures as well as alteration of some amygdules. Core is very broken and shattered and the presence of fault gouge would indicate the intersection of a faulted structure.						
	Samples:	49254	170.8-171.9 m	1.1 m	Amygdaloidal basalt, quartz stringers, hematite stained (upper contact with sediments) large sedimentary clast @ 171 m.	1	35	9
		49255	171.9-173.0 m	1.1 m	Fe stained amygdaloidal basalt, one large quartz vein @ 172.9 m as well as quartz stringers.	1	46	7
		49256	173.0-174.0 m	1.0 m	Fe stained flow, quartz stringers as well as one larger quartz vein at 173.6 m	1	36	7
		49257	174.0-174.2 m	0.2 m	30 cm quartz vein, shows some chlorite alteration.	1	27	6
		49258	174.2-175.7 m	1.5 m	Pinkish basalt (hematite stained); quartz stringers.	1	26	3
		49259	175.7-177.2 m	1.5 m	Fe stained amygdalodial basalt, quartz stringers which show possible alteration.	2	34	2
		49260	177.2-178.7 m	1.5 m	Fe stained amygdalodial basalt, amygdules appear to be altered slightly, qtz stringer and one vein of quartz at 178.5 m.	2	29	4
		49261	178.7-179.2 m	0.5 m	Elongated amygdules with some alteration as well as a large quartz vein showing a very greenish color (chlorite alteration).	1	28	4

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	
170.8-222.8m	cont'd								
		49262	179.2-180.7 m	1.5 m	Dark gray to black colored amygdaloidal basalt, elongated amygdules, several large sedimentary clasts are incorporated into flow.	1	25	2	
		49263	180.7-181.6 m	0.9 m	Fe stained amygdaloidal basalt one large quartz vein showing some alteration. Very broken core.	1	25	4	
		49264	181.6-182.7 m	1.1 m	Fault gouge and very brecciated and torn up flow, dark gray to black color	2	22	4	
		49265	182.7-184.2 m	1.5 m	Dark colored (black) basalt, elongated amygdules, appears very ripped up in places due to flow nature.	1	24	3	
		49266	184.2-185.1 m	0.9 m	Flow which incorporates several large clasts of possibly sedimentary material. Core is quite broken. Several stringers of Quartz.	6	18	3	
		49267	185.1-186.2 m	1.2 m	Gray colored basalt, very broken, includes one large quartz vein at 185.2 m. Small sections of broken and fault gouge material	2	16	1	
		49268	186.2-187.1 m	0.9 m	Grayish basalt, has several larger quartz veins as well as some fault gouge material quartz stringers.	2	20	1	
		49269	187.1-188.4 m	1.3 m	Gray basalt (amygdaloidal), very broken core (probable core loss of 0.3 m) fault gouge, as well as several quartz veins, one qtz vein showed Py that had been sheared.	1	20	2	
		49270	188.4-189.9 m	1.5 m	Gray to dark gray amygdalodial basalt, qtz stringers, some fault gouge.	1	21	2	
		49271	189.9-190.9 m	1.0 m	Essentially fault gouge, shows some possible alteration, very broken core.	1	16	1	
		49272	190.9-192.3 m	1.4 m	Gray basalt, very broken & shattered, qtz vein, some fault gouge.	1	20	1	
		49273	192.3-193.4 m	1.1 m	Gray amygdalodial basalt, quartz stringers.	1	18	1	
		49274	193.4-194.6 m	1.2 m	Gray amygdalodial basalt, quartz stringers, very broken.	1	22	1	
		49275	194.6-195.0 m	0.4 m	Quartz vein shows Jasper with quartz, core is quite broken & fractured, gray colored basalt surrounds quartz vein.	1	9	2	
		49276	195.0-195.9 m	0.9 m	Gray amygdaloidal basalt, fault gouge with very broken core.	1	15	1	
		49277	195.9-196.7 m	0.8 m	Gray amygdaloidal basalt, broken with fault gouge, qtz stringers possibly altered.	1	18	1	
	Note: Core is more just massive basalt with phenocrysts now.								
		49278	196.7-198.2 m	1.5 m	Gray to dark gray basalt with coarse phenocrysts, cut by quartz veins & stringers of quartz, several veins at 45° to c/a show a reddish color, possibly from Fe staining.	2	16	1	
		49279	198.2-199.1 m	0.9 m	Gray basalt, more massive with fewer phenocrysts, minor quartz veins.	2	17	3	
		49280	199.1-200.0 m	0.9 m	Gray basalt, more massive with fewer phenocrysts.	1	16	9	
		49281	200.0-200.3 m	0.3 m	Major quartz vein .2 m in width, fairly coarse grained.	1	9	44	
		49282	200.3-200.9 m	0.6 m	Fault gouge, broken material, some alteration.	1	21	8	
		49283	200.9-202.4 m	1.5 m	Gray to gray-green basalt, cut by coarse several quartz veins & stringers of quartz.	2	18	9	

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
170.8-222.8m		cont'd						
		49284	202.4-203.9 m	1.5 m	Massive gray to gray-green basalt, alteration along fractures with minor amount of sulphides.	2	20	7
		49285	203.9-205.4 m	1.5 m	Gray basalt, small quartz veins, core is very broken & fractured, material in fractures is altered with chlorite, and is calcareous.	1	26	2
		49286	205.4-206.9 m	1.5 m	Light gray basalt, cut by coarse quartz veins shows quite a few fractures.	1	20	5
		49287	206.9-208.2 m	1.3 m	Light gray basalt, several small qtz veins they appear reddish (from Fe (?)) in areas probably some alteration.	3	20	49
		49288	208.2-208.5 m	0.3 m	Several coarse quartz veins. Reddish color in vein (Fe?).	2	23	22
		49289	208.5-210.0 m	1.5 m	Gray to gray-green basalt, some Fe staining along fractures, some alteration of qtz veins.	2	22	4
		49290	210.0-210.4 m	0.4 m	Very altered quartz vein, greenish color from chlorite, reddish also along fractures some pyrite present.	1	28	1
		49291	210.4-211.9 m	1.5 m	Gray basalt to gray green along contact with above vein (alteration), chlorite alteration along fractures.	1	15	24
		49292	211.9-212.1 m	0.3 m	Quartz vein, calcareous along fractured surfaces chlorite alteration, hematite also	2	16	42
		49293	212.1-213.4 m	1.3 m	Light gray basalt, mostly massive, some qtz veining.	2	17	2
		49294	213.4-214.7 m	1.3 m	Light gray basalt, parallel to c/a, quartz vein, coarse grained, chlorite alteration along fractures.	4	16	25
		49295	214.7-216.0 m	1.3 m	Pinkish basalt (Fe stain) several quartz along fractures.	1	9	4
		49296	216.0-216.4 m	0.4 m	Quartz vein, some chlorite alteration.	3	8	4
		49297	216.4-216.8 m	0.4 m	Grayish basalt, coarse grained quartz veins	1	17	4
		49298	216.8-217.6 m	0.8 m	Quartz vein in basalt, some chlorite alteration, minor pyrite & magnetite.	2	15	3
		49299	217.6-218.2 m	0.6 m	Very large coarse grained qtz, minor amount of pyrite.	1	4	3
		49300	218.2-219.1 m	0.9 m	Grayish basalt, some quartz veins, some hematite & chlorite alteration along frac.	1	23	11
		49451	219.1-219.4 m	0.3 m	Quartz vein, large crystal of pyrite.	1	20	86
		49452	219.4-220.5 m	1.1 m	Gray basalt, quartz vein with pyrite.	1	16	8
		49453	220.5-221.6 m	1.1 m	Gray basalt, several small quartz veins.	1	15	2
		49454	221.6-222.8 m	1.2 m	Greenish-gray basalt, some Fe staining along fractures.	3	24	6
222.8m		END OF HOLE						

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-9 PAGE: 1

COMMENCED: January 31, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 3, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: Peter Klewchuk LOCATION: Caven Ck/ Stone Farm LENGTH: 65.5 m
DATE LOGGED: February 5, 1990 CO-ORD.: 5449440N, 613520E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION	ANALYSIS Au	Ba	Cu
0.0-46.6m		OVERBURDEN; CASING, Cored boulders of misc. rock types, mostly medium grained quartzites.			
46.6-49.4m		PYRITIC, SILICIFIED ARGILLITE (DOLOMITIC) Medium to dark gray and black, finely laminated with light gray sandy lenses. Fine and medium and coarse grained pyrite is common throughout, disseminated and in lensey patches. Silicification, some pale greenish quartz (?) with pyrite. Much of the pyrite is lighter, silvery (Arsenic ?) colored. Fracture surfaces are limonitic-altered. Core is quite broken in places rubbly. At ~48.5 m narrow zone of crushed core with abundant pyrite. Bedding at 65° to c/a.			
		Samples: 49455 46.6-48.4 m 1.8 m ~1.3 m recovered			
		49456 48.4-48.6 m 0.2 m ~0.1 m recovered			
		49457 48.6-49.4 m 0.8 m ~0.5 m recovered			
49.4-64.7m		CALCAREOUS SILTSTONE, SILTY LIMESTONE Laminated, light and medium brownish gray. Variably calcareous and silty. Moderately to strongly brecciated with brownish (some carbonate) alteration. More intensely brecciated and altered zones have a vein matrix of white dolomite and calcite. Entire zone appears to be peripheral to a fault zone; parts of the brecciation have clay-altered material. Rare oxidized pyrite is evident with some veining. Bedding is at 65° to c/a.			
		Samples: 49458 49.4-50.2 m 0.8 m Broken, brecciated core; 0.7 m recovered	1	84	8
		49459 50.2-51.7 m 1.5 m Weakly bx silty limestone	3	58	9
		49460 51.7-53.2 m 1.5 m Moderately brecciated and altered; 30 cm core loss.	1	55	11
		49461 53.2-54.7 m 1.5 m Strongly bx and altered.	1	62	6
		49462 54.7-56.0 m 1.3 m Strongly bx and brownish altered.	2	46	4
		49463 56.0-57.3 m 1.3 m Broken core, moderately bx and altered.	1	36	3
		49464 57.3-58.8 m 1.5 m Variably broken, brecciated and altered.	1	75	4
		49465 58.8-60.3 m 1.5 m Weakly brecciated, brownish CO_3 alteration.	1	20	23
		49466 60.3-61.0 m 0.7 m Strongly bx, brown CO_3 alteration.	1	26	5
		49467 61.0-62.2 m 1.2 m Fault gouge, quartz 'vein' breccia, clay alteration, veining.	1	28	9
		49468 62.2-63.5 m 1.3 m Strong bx and alteration, fault gouge.	1	63	8
		49469 63.5-64.7 m 1.2 m Strong bx and alteration, fault gouge, ~0.4 m recovered.	1	46	3
64.7-65.5m		FAULT GOUGE (?) Black broken argillite dolomite (?) probable graphite. Euhedral quartz crystals, fine disseminated pyrite. Bad zone of squeezing; hole ended prematurely.			
		Sample: 49470 64.7-65.5 m 1.8 m ~0.7 m recovered	52	20	15
65.5m		END OF HOLE			

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-10 PAGE: 1

COMMENCED: February 04, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 04, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: T. Weslowski LOCATION: Stone Farm LENGTH: 111.9 m
DATE LOGGED: CO-ORD.: 5449460N, 614900E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
0.0-5.5m		OVERBURDEN/CASING						
5.5-111.9m		SILTSTONE, SANDSTONE						
		Pale green to gray-green in color, small areas show a mauve to light pink color. Core is quite Fe stained and is very broken in places. Grain size varies from very fine to medium grain (sandstones). Bedding ranges from medium to thick, with thinly laminated beds in some areas. Bedding angles are ~25-30° to c/a.						
		Healed fractures are evident throughout with no apparent orientation. Manganese (?) occurs along these fractures. Patches also show concentrations of quartz and quartz-calcite. The fractures are siliceous in nature. Possibly fractures are due to hydrothermal activity.						
		Dendritic features along fractures are probably due to manganese alteration.						
		Samples:	49471	5.5-7.0 m	1.5 m Fe stained (surface oxidation), numerous healed fractures.	3	167	8
			49472	7.0-9.0 m	2.0 m Pale green, Fe stained, broken & fractured	1	127	17
			49473	9.0-10.5 m	1.5 m Fe stained, very broken, possible fault gouge at 9.3 m	1	199	39
			49474	10.5-12.0 m	1.5 m Pale green, very broken, Fe stained, small quartz pods, fine to medium grained	1	119	52
			49475	12.0-13.5 m	1.5 m Pale green, Fe stained, broken & fractured possible slump structures at 12.2 m	1	262	34
			49476	13.5-15.0 m	1.5 m Pale green, Fe stained, lots of healed fractures (dendritic), fine to med. grained Some Quartz & Calcite along bedding planes	2	270	12
			49477	15.0-16.5 m	1.5 m Pale green, Fe stained	1	240	6
			49478	16.5-18.0 m	1.5 m Fe stained, very broken, fine - med. grained	1	168	5
			49479	18.0-19.5 m	1.5 m Pale green, Fe staining, "pods" of quartz-calcite (very small 1-1.5 cm), some healed fractures.	1	235	11
			49480	19.5-21.0 m	1.5 m Pale green, Fe stained, healed fractures (dark colored - manganese ?), possibly some reworking of sediments along bedding planes at 20.0 m.	1	283	14
			49481	21.0-22.5 m	1.5 m Pale green Fe stained, quartz-calcite "clot" (pod), mostly medium grained, minor quartz-calcite parallel to bedding.	1	708	27
			49482	22.5-24.0 m	1.5 m Pale green to mauve & light pinkish, healed fractures, Quartz-calcite "clot" 3-4 cm long	2	151	7
			49483	24.0-25.5 m	1.5 m Pale green, mauve patches (isolated), very fractured in areas (dendritic manganese) Fe stained, fine to medium grained.	3	94	9
			49484	25.5-27.0 m	1.5 m Fault gouge at 25.8 m, healed fractures	1	102	33
			49485	27.0-28.5 m	1.5 m Very broken & shattered core, basically pale green, some Fe staining.	1	116	46
			49486	28.5-29.0 m	0.5 m Fe stained, healed fractures	1	155	51
			49487	29.0-30.0 m	1.0 m Area of fault gouge, very Fe stained	1	200	16
			49488	30.0-31.5 m	1.5 m Pale green with lighter pinkish-brown areas, quartz-calcite "clots" partially void some apparent reworking at 31.5 minor fracturing	1	288	3
			49489	31.5-33.0 m	1.5 m Pale green, siliceous area at 23.4 m cut also by quartz-calcite veins (minor) veins are post deposition, quartz-calcite "clots" partially void	2	366	3

FOOTAGE FROM	TO		DESCRIPTION			ANALYSIS Au	Ba	Cu
5.5-111.9m	cont'd							
		49490	33.0-34.5 m	1.5 m	Pale green, Fe stained, possibly some re-working at 33.7 m, quartz-calcite "clots"	1	171	1
		49491	34.5-36.0 m	1.5 m	Fe stained, some healed fractures, minor quartz-calcite "clots"	1	100	2
		49492	36.0-37.5 m	1.5 m	Pale green, mauve patches (minor), quite a few healed fractures at 36.0 m	2	254	1
		49493	37.5-39.0 m	1.5 m	Pale green to light gray, very fine - medium grained, scattered dark colored (black) laminae throughout	1	584	2
		49494	39.0-40.5 m	1.5 m	Light gray with Fe staining, some black laminae, some fracturing	1	341	2
		49495	40.5-42.0 m	1.5 m	Light gray finer material, mixed with brown coarser beds, some mauve patches, very broken & scattered area at 41.5 m, black laminae. Some cross laminations (sedimentary structures).	2	470	2
		49496	42.0-43.5 m	1.5 m	Pale green to light gray, black laminae throughout, cross-bedding, some fractures only minor veins of quartz-calcite	1	606	1
		49497	43.5-45.0 m	1.5 m	Pale green to light gray, black laminae, areas possibly reworked, quite broken and fractured at 44.9 m	1	268	1
		49498	45.0-46.5 m	1.5 m	Light gray with Fe staining, patchy mauve, quartz-calcite "clots", black laminae fractured and possibly reworked at 45.2 m	2	545	2
		49499	46.5-48.0 m	1.5 m	Pale green to light gray, Fe stained, fault gouge at 47.3 m, some quartz-calcite "clots" minor amount	1	360	1
		49500	48.0-49.5 m	1.5 m	Pale green to gray, pinkish patches (mauve) quartz-calcite "clots", some fractures	1	87	2
		49501	49.5-51.0 m	1.5 m	Very Fe stained, quite broken core	1	104	2
		49502	51.0-52.0 m	1.0 m	Fault gouge, very Fe stained	1	106	2
		49503	52.0-52.5 m	0.5 m	Very broken & soft, possible area of alteration, appears to be chlorite	1	87	5
		49504	52.5-54.0 m	1.5 m	Pale green to mauve patches, some Fe staining, fairly broken	3	79	3
		49505	54.0-55.6 m	1.6 m	Fe stained very broken, core loss of ~0.9 m probably in this area	2	149	13
		49506	55.6-57.1 m	1.5 m	Pale green, Fe stained, some healed fracture some void spaces partially filled by quartz-calcite with chlorite alteration on perimeter of voids	1	63	4
		49507	57.1-58.6 m	1.5 m	Pale green to light brown, some Fe staining several voids, one large void partially filled by quartz-calcite & has chlorite alteration on boundary	1	80	3
		49508	58.6-60.1 m	1.5 m	Majority is mauve colored to light brown, some Fe staining, appears to be some alteration at 60.0 m, quartz-calcite & some chlorite possible	1	54	3
		49509	60.1-61.6 m	1.5 m	Mauve to light gray, Fe stained around healed fractures, several large void infilled with quartz-calcite and chlorite altered	1	365	2

FOOTAGE FROM	TO			DESCRIPTION	ANALYSIS Au	Ba	Cu
5.5-111.9m	cont'd						
		49510	61.6-63.1 m 1.5 m	Pale green to gray, mauve patches, Fe stained at 62.2 m (broken), more siliceous area at 61.8. Several infilled voids containing quartz-calcite & chlorite	1	63	4
		49511	63.1-64.3 m 1.2 m	Pale green beds interbedded with smaller (1-2 cm) mauve beds. Very fine grained, some healed Fe stained (dendritic) fractures, bedding angle of 30°, several small infilled voids	1	51	3
		49512	64.3-64.5 m 0.2 m	Patch of chlorite alteration, dendritic Fe staining also	5	59	9
		49513	64.5-66.0 m 1.4 m	Pale green to cream colored (mauve), Fe stained fractures, dendritic Fe stains around fractures, some voids filled with quartz-calcite & chlorite	1	106	7
		49514	66.0-67.5 m 1.5 m	Mauve very fine grained in contact with lt. to medium gray very fine grained siltstone? seems to be more siliceous, minor fracturing	2	360	13
		49515	67.5-68.7 m 1.2 m	Very fine grained gray sediments area of mauve to cream colored sediments	3	26	6
		49516	68.7-69.8 m 1.1 m	Appears to be section of (silicified) stromatolites? Cream colored, very wavy & wispy vugs, some partially filled with qtz-calcite, some Fe staining on vugs	3	18	4
		49517	69.8-70.8 m 1.0 m	Similar to above but has one very "vuggy" section ~0.4 m long	1	20	3
		49518	70.8-72.3 m 1.5 m	Pale green to cream (mauve) colored, fractured with Fe staining along fractures, very fine to medium grained.	1	46	3
		49519	72.3-73.8 m 1.5 m	Pale green inter mixed with areas more cream and mauve colored, thin black laminae towards 73.0 m, some Fe staining along certain laminae parallel to bedding	2	376	13
		49520	73.8-75.3 m 1.5 m	Very Fe stained, healed fractures with lots of alteration on perimeters at 74.8 possible algal stromatolites ?	1	560	8
		49521	75.3-76.8 m 1.5 m	Cream colored very fine to medium grained, very Fe stained along fractures and certain preferential bedding laminae, possible algal stromatolites at 76.5 m	3	1692	4
		49522	76.8-78.3 m 1.5 m	Very Fe stained, healed fractures with alteration on perimeter, algal feature continues at 76.8 m for 0.3 m	1	213	6
		49523	78.3-79.8 m 1.5 m	Pale green to cream colored sediments, healed fractures Fe stained, minor amount of Pyrite ? <1%	3	71	17
		49524	79.8-81.3 m 1.5 m	Pale green to cream color, one broken section at 80.2 m minor qtz-calcite chlorite	3	54	7
		49525	81.3-82.8 m 1.5 m	Very broken & Fe stained, some voids partially filled with qtz-calcite chlorite Fe stained fractures	1	223	20
		49526	82.8-84.3 m 1.5 m	Fe stained silts & sands, healed fractured	2	937	12
		49527	84.3-85.8 m 1.5 m	Pale green, Fe stained, fractured	2	1681	10
		49528	85.8-86.9 m 1.1 m	Cream to gray, fractured; not as Fe stained just on fractures	2	287	5
			86.9-87.5 m 0.2 m	Void - No Core	1	128	86
		49529	87.5-87.7 m 1.5 m	Very Fe stained with a needle like network (spindly) thread like network	1	915	291

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
5.5-111.9m		cont'd						
		49530	87.7-89.2 m	1.5 m	Sediments become more light to medium gray, very fine grained, areas of more siliceous content (harder), preferential Fe staining along certain laminae, bedding is at 26-27° to c/a, some healed fractures possible offset along fractures	1	915	291
		49531	89.2-90.7 m	1.5 m	Gray sediments, Fe stained along bedding (preferential), Fractured, quite siliceous (hard)	3	165	391
		49532	90.7-92.2 m	1.5 m	Light to medium gray sediments, very fine grained, fairly siliceous, some Fe staining along bedding laminae	1	209	222
		49533	92.2-93.7 m	1.5 m	Grayish sediments, some hematite staining some fracturing	3	498	17
		49534	93.7-95.2 m	1.5 m	Light to medium gray sediments, more Fe staining to end of interval, minor fracturing	1	513	51
		49535	95.2-96.7 m	1.5 m	Fairly Fe stained, very broken at 96.0 m	2	90	70
		49536	96.7-98.2 m	1.5 m	Mostly very fine grained sediments, Fe stained	1	69	33
		49537	98.2-99.7 m	1.5 m	Fe stained, very fine grained, broken @ 99.3	3	399	46
		49538	99.7-101.2m	1.5 m	Some grayish sediments, Fe stained past 100 m, some staining along bedding	3	465	50
		49539	101.2-102.7m	1.5 m	Very fine grained gray to cream colored sediments, some Fe staining	4	438	18
		49540	102.7-104.2m	1.5 m	Sediments, some hematite possible, minor healed fractures	1	819	24
		49541	104.2-105.7m	1.5 m	Very Fe stained 104.2-104.7 m	1	1878	11
		49542	105.7-107.2m	1.5 m	Light to medium gray, some Fe staining, some chlorite alteration along beds	1	801	6
		49543	107.2-108.7m	1.5 m	Very broken and extensively Fe stained, some hematite, appears to be medium grained sediments	1	463	41
		49544	108.7-109.8m	1.1 m	Hematite stained, quite siliceous, very fine to medium grained, healed fractures	1	348	5
		49545	109.8-110.9m	1.1 m	Light gray to cream colored, mostly very fine grained, some hematite staining some chlorite alteration, quite fractured with Fe boundaries on fractures.	1	209	3
		49546	110.9-111.9m	1.0 m	Pale gray to cream colored, quite fractured	1	468	3
111.9m		END OF HOLE						

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-11 PAGE: 1

COMMENCED: February 04, 1990
COMPLETED: February 06, 1990
LOGGED BY: Tom Weslowski
DATE LOGGED: February 7, 1990

DISTRICT: Ft. Steele
PROPERTY: Gold Creek
LOCATION: Stone Farm
CO-ORD.: 5449300N, 614210E
ELEV.: 1050

COLLAR DIP: -90°
BEARING:
LENGTH: 159.7 m
CORE SIZE: NQ
% RECOVERY:

TESTS @:

ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
0.0-44.7m		OVERBURDEN/CASING						
44.7-80.5m		BASALT FLOW & VOLCANICLASTIC TUFFS Ranges from dark green to medium-light green. Sections show hematite staining giving them a purplish appearance. Matrix is very fine grained with coarse grained phenocrysts. Phenocrysts are calcareous and show extensive Fe staining at top of hole. Core is cut by larger quartz-calcite veins as well as being dissected by numerous quartz-calcite stringers The larger veins show Fe staining around outer boundaries and possibly some chlorite alteration. Segments are very broken show fault gouge. The fault gouge material is very broken and chlorite altered. Tuffaceous sediments vary in color from dark gray to cream colored with areas of light-medium green. Sediments range also from very fine grained to coarse grained. The finer grained sediments are thinly bedded. Some sediments show minor Fe staining. Sediments are also cut by quartz-calcite veins which also show some alteration (Fe-stains) on outer boundaries. Alteration is not extensive outside perimeter of veins.						
		Samples: 49547	44.7-46.2 m	1.5 m	Green to light green basalt, coarse Fe stained phenocrysts, qtz-calcite stringers and veins.	1	136	37
		49548	46.2-47.9 m	1.5 m	Greenish basalt, several small qtz-calcite stringers	1	272	27
		49549	47.9-49.4 m	1.5 m	Greenish basalt as above	1	114	20
		49550	49.4-50.9 m	1.5 m	Basalt, gets into fault gouge at 50.2 m, some chlorite alteration, hematite staining at 50.9m	1	92	6
		49551	50.9-52.4 m	1.5 m	Hematite stained basalt, contact with tuffaceous sediments (fault gouge) sediment are dark gray with occasional lighter cream colored beds, very fine grained. Fault breccia at 52.2 m back into basalt.	1	119	2
		49552	52.4-53.9 m	1.5 m	Hematite stained basalt, qtz-calcite stringers, fault breccia 52.4-52.6m, larger qtz-calcite vein at 53.7 m.	1	130	4
		49553	53.9-55.4 m	1.5 m	Hematite stained basalt into tuffaceous sediments at ~55.0 m, small qtz-calcite veins with chlorite alteration. Sediments are offset minor amount at fractures.	2	119	3
		49554	55.4-56.9 m	1.5 m	Gray sediments (fine-medium grain) occ. cream colored bands. Fe stained qtz-calcite veins. Very broken at 56.7 m (possible fault-fault breccia), looks like small layer (0.2 m) of basalt between sediments. Some alteration in broken area at 56.7 m (chlorite)	1	68	2
		49555	56.9-58.4 m	1.5 m	Very fine grained light to medium gray sediments, very oxidized (Fe stained) fractures. Very broken at 56.9 m, appears to be altered (chlorite).	1	98	90
		49556	58.4-59.9 m	1.5 m	Gray, very fine grained sediments, one section of coarse green sediments (0.7 m long) interbedded with finer material,quite Fe stained along fractures.	1	39	3

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu
44.7-80.5m	cont'd							
		49557	59.9-62.4 m	1.5 m	Very broken & shattered area fine grained sediments cut by fractures which are qtz-calcite, does have very coarse material in places.	3	59	54
		49558	62.4-63.4 m	1.0 m	Dark gray thin bedded sediments with thin laminae, beds of lighter cream color, dark gray sediments are very fine grained, but also beds of coarse material.	1	72	27
		49559	63.4-64.4 m	1.0 m	Sediments grade into volcanic basalt flow. Flow is darker gray probably due to hematitic staining. Cut by numerous qtz-calcite veins and fracture veins and fractures also are very Fe stained.	4	280	9
		49560	64.4-65.9 m	1.5 m	Green-gray-green basalt, first 0.2 m is hematite stained, several large (15 cm) qtz-calcite veins.	2	82	7
		49561	65.9-67.4 m	1.5 m	Green to green-gray flow, cut by stringers of qtz-calcite	3	76	5
		49562	67.4-67.9 m	0.5 m	Major quartz vein, some chlorite alteration	2	32	1
		49563	67.9-68.9 m	1.0 m	Sedimentary tuffaceous bed dark-green to gray, very brecciated at 68.8 m	5	114	1
		49564	68.9-70.4 m	1.5 m	Gray to gray-green tuffs, range from very coarse grain to very fine grained. Includes large clasts of material in places, beds @ ~65° to c/a (lapilli tuffs?)	6	84	3
		49565	70.4-71.9 m	1.5 m	Tuffs, at 72.0 m large rounded clastics of dark gray material surrounded by coarse grained sediments (0.2 m in length), rest is gray to gray green sediments with coarser beds of Fe stained sediments inter-bedded.	8	86	1
		49566	71.9-73.4 m	1.5 m	Tuffaceous sediments range from dark gray-gray green finer material to coarser grained more brownish sediments.	7	95	3
		49567	73.4-74.9 m	1.5 m	Similar to 70.4-71.9 m.	4	50	1
		49568	74.9-76.4 m	1.5 m	Tuffaceous sediments, gray to light gray very fine grained interbedded with coarse Fe stained more brown-sediments some hematite staining, beds are offset 5 cm along fractures.	2	111	1
		49569	76.4-77.9 m	1.5 m	Hematite stained, similar to above but fewer very fine grained sediments	5	138	4
		49570	77.9-79.4 m	1.5 m	Hematite stained volcaniclastic tuffs, some larger very fine grained fragments parallel to bedding, minor silicification, small qtz-calcite vein with some chlorite alteration.	2	501	1
		49571	79.4-80.5 m	1.1 m	Vein broken & brecciated tuffs, close to contact with volcanic flow. Note: core loss here of about 0.5 m	2	2016	49
80.5-90.7m	AMYGDALOIDAL BASALT							
	Dark gray to medium gray, appears to have a purplish tint due probably to presence of specular hematite. Matrix is very fine grained, both infilled amygdules and phenocrysts are seen. Core is extensively cut by quartz veins. Quartz veins show some Fe staining and chloritic alteration. Some vein exhibit the presence of a reddish brown mineral (Jasperite ?). Amygdules are filled with quartz and quartz-calcite.							

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
80.5-90.7m		cont'd						
		Samples: 49572	80.5-81.9 m	1.4 m	Very brecciated & fractured, hematite stained, basalt flow, close to contact with tuffs.	9	85	96
		49573	81.9-82.5 m	0.6 m	Fault gouge, no major alteration apparent	7	111	4
		49574	82.5-83.0 m	0.5 m	Quartz-calcite vein, Fe stained some chlorite, includes clast of tuffaceous sediments in basalt.	1	113	2
		49575	83.0-84.0 m	1.0 m	Several qtz-calcite veins in basalt, one larger one 40-50 cm wide, some hematite staining.	6	112	2
		49576	84.0-85.5 m	1.5 m	Hematite stained and amygdaloidal flow, minor qtz-calcite stringers.	5	60	4
		49577	85.5-86.3 m	0.8 m	As above with one large quartz vein (15 cm)	1	63	3
		49578	86.3-86.7 m	0.4 m	Fe stained qtz vein and along with some brecciated material.	1	60	1
		49579	86.7-88.2 m	1.5 m	Amygdaloidal flow, several quartz vein showing concentrations of red mineral (Jasperite) on boundaries, amygdules and phenocrysts are somewhat Fe stained, also core is hematite stained.	3	55	2
		49580	88.2-89.7 m	1.5 m	Similar to above, Jasperite at 89.6 m	3	50	3
		49581	89.7-90.4 m	0.7 m	Flow, shows some large "lath" like phenocrysts (4-6 cm long)	5	51	1
		49582	90.4-90.7 m	0.3 m	Quartz-calcite vein. Fe stained.	7	161	3
90.7-141.2m		ALTERED AMYGDALOIDAL BASALT						
		Basalt which ranges from massive to amygdaloidal. Vesicles tend to be elongated and are filled with mostly siliceous material. Sections of core show elongation and deformation probably due to flow movement. Vesicles are also filled with Fe carbonate as previous basalt was. Thin elongate structures which are very irregular are present also. These appear to be flow contacts. These contacts range in color from light green to cream to a purplish color. Some of the contact areas appear to be rolled up and incorporated into the flow. The material of the flow contacts is quite siliceous.						
		Samples: 49583	90.7-91.6 m	0.9 m	Amygdaloidal at top, grades into massive, some altered structures.	5	81	2
		49584	91.6-91.9 m	0.3 m	Large qtz-calcite Fe stained vein	5	156	3
		49585	91.9-93.4 m	1.5 m	Massive basalt with flame like intrusives	4	44	1
		49586	93.4-94.9 m	1.5 m	More Fe stained amygdaloidal, definite flow orientation at 94 m, some qtz veining, possible silicifiction.	6	63	2
		49587	94.9-96.4 m	1.5 m	Similar to above, some fault gouge.	2	43	3
		49588	96.4-97.9 m	1.5 m	Quite amygdaloidal, extensive color variation along fractures & healed fractures, hematite stained.	3	84	1
		49589	97.9-99.0m	1.1 m	Amygdaloidal, some vesicles occur mostly amygdules filled with quartz-Fe carbonate	1	108	2
		49590	99.0-99.4 m	0.4 m	Fault gouge & brecciated area	2	191	1
		49591	99.4-100.9 m	1.5 m	Quite dark gray amygdaloidal basalt less Fe stained amygdules, several large zones of flow contacts which are mostly purplish-pink in color.	4	20	1
		49592	100.9-102.4 m	1.5 m	Same as above	4	106	2
		49593	102.4-103.9 m	1.5 m	Amygdaloidal, large stretched amygdules mostly siliceous in character, some some brownish Fe	2	157	2
		49594	103.9-105.4 m	1.5 m	Fe carbonate amygdules in very fine grained dark gray to black matrix, minor quartz veinlets.	3	100	1

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	
90.7-141.2m	cont'd								
		49595	105.4-106.9 m	1.5 m	Same as above, one Fe carbonate quartz vein 40 cm wide, some amygdules have red quartz (Jasperite ?)	2	58	2	
		49596	106.9-107.2 m	0.3 m	Minor brecciated area	4	82	3	
		49597	107.2-107.9 m	0.7 m	Amygdaloidal, extensive fractures showing siliceous content.	1	59	1	
		49598	107.9-108.2 m	0.3 m	Large vuggy quartz carbonate vein.	1	112	1	
		49599	108.2-109.7 m	1.5 m	Dark gray amygdaloidal basalt, some fracturing, both Fe carbonate and siliceous amygdules which are reddish brown in color.	2	27	1	
		49600	109.7-111.1 m	1.4 m	Same as above, several small qtz stringers some very reddish brown (Jasperite).	2	23	1	
		49601	111.1-111.3 m	0.2 m	Coarse grained quartz vein.	1	42	1	
		49602	111.3-112.6 m	1.3 m	Greenish gray amygdaloidal basalt, minor quartz veins & fractures, some siliceous amygdules.	1	65	1	
		49603	112.6-113.8 m	1.2 m	Same as above.	1	29	1	
		49604	113.8-114.0 m	0.2 m	Quartz vein.	2	10	2	
		49605	114.0-115.5 m	1.5 m	Amygdaloidal basalt, quartz veins with reddish-brown boundaries.	2	44	1	
		49606	115.5-117.0 m	1.5 m	Amygdaloidal basalt, Fe stained amygdules, minor quartz-calcite veining.	2	83	1	
		49607	117.0-117.4 m	0.4 m	Several large quartz veins, slightly Fe stained with some chlorite alteration.	3	37	3	
		49608	117.4-118.1 m	0.7 m	Amygdaloidal basalt, again several quartz veins with chlorite alteration.	1	28	3	
		49609	118.1-119.6 m	1.5 m	Green to green-gray amygdaloidal basalt, some quartz fracturing.	1	25	1	
		49610	119.6-121.1 m	1.5 m	Same as above	1	29	1	
		49611	121.1-122.6 m	1.5 m	Amygdaloidal, more siliceous intrusions along fractures (distorted forms).	1	42	1	
		49612	122.6-124.1 m	1.5 m	Gray to greenish gray basalt, amygdules elongated and oriented from flow.	2	23	1	
		49613	124.1-124.8 m	0.7 m	Small section of more massive flow with siliceous "pods" (flame-like) flow contacts	2	29	1	
		49614	124.8-125.0 m	0.2 m	Quartz vein.	1	122	1	
		49615	125.0-125.6 m	0.6 m	Brecciated & broken area one vuggy quartz vein, possible alteration.	1	47	1	
		49616	125.6-126.6 m	1.0 m	Silicified altered amygdaloidal basalt, minor breccia at 126.5 m	2	57	1	
		49617	126.6-127.6 m	1.0 m	Altered amygdaloidal basalt.	2	47	1	
		49618	127.6-127.7 m	0.1 m	Quartz vein.	1	24	4	
		49619	127.7-129.2 m	1.5 m	Altered basalt.	3	25	1	
		49620	129.2-130.5 m	1.3 m	Altered basalt.	1	117	1	
		49621	130.5-131.6 m	1.1 m	Altered basalt.	2	55	1	
		49622	131.6-132.3 m	0.7 m	Altered basalt with chlorite alteration on fractured surfaces.	1	89	1	
		49623	132.3-132.9 m	0.6 m	Altered basalt with chlorite alteration on fractured surfaces, some Fe staining.	2	45	1	
		49624	132.9-133.7 m	0.8 m	Altered basalt, some broken fractures.	2	36	1	
		49625	133.7-135.2 m	1.5 m	Portion of more massive basalt, less altered, returns to amygdaloidal altered basalt at 134.6 m.	1	36	1	
		49626	135.2-136.7 m	1.5 m	Medium green to dark gray amygdaloidal basalt, one minor more massive flow.	3	40	1	
		49627	136.7-138.2 m	1.5 m	Amygdaloidal basalt, quite fractured with quartz stringers, some Fe staining (Fe carbonate) in amygdules.	3	56	1	

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
90.7-141.2m		cont'd						
		49628	138.2-139.7 m	1.5 m	Amygdaloidal basalt, Fe stained amygdules.	1	42	4
		49629	139.7-141.2 m	1.5 m	Similar to above seems to become more massive basalt with phenocrysts from here on.	3	47	3
141.2-159.7m		BASALT						
		Massive basalt gray-green to dark gray in color. Very fine grained matrix with coarse grained phenocrysts. Cut by numerous quartz veins. Minor amount of amygdules still present, usually quartz filled.						
		Samples: 49630	141.2-142.7 m	1.5 m	Massive matrix, coarse phenocrysts, minor alteration along quartz veins and veinlets.	2	46	3
		49631	142.7-144.2 m	1.5 m	Massive basalt.	3	46	2
		49632	144.2-144.5 m	0.3 m	Quartz veins, some Fe staining, fairly coarse grained.	3	62	2
		49633	144.5-146.0 m	1.5 m	Massive basalt.	1	39	1
		49634	146.0-147.5 m	1.5 m	Massive basalt, several small quartz veins and minor broken sections along fractures.	3	52	3
		49635	147.5-148.1 m	0.6 m	Massive light gray basalt.	1	33	1
		49636	148.1-148.7 m	0.6 m	Several Fe stained quartz-carbonate veins in massive basalt.	4	62	1
		49637	148.7-149.6 m	0.9 m	Massive basalt, minor alteration along fractures (Reddish brown material with qtz)	1	51	1
		49638	149.6-151.1 m	1.5 m	Massive basalt, two minor Fe stained qtz-carbonate veins.	2	50	5
		49639	151.1-152.6 m	1.1 m	Massive basalt, small qtz fractures, several larger quartz veins.	1	1914	3
		49640	152.6-153.8 m	1.2 m	Massive basalt, minor quartz veining.	1	53	4
		49641	153.8-154.2 m	0.4 m	Several quartz veins (Fe stained)	1	114	3
		49642	154.2-155.1 m	0.9 m	Several qtz veins in greenish massive basalt, very fractured close to possible contact.	3	129	6
		49643	155.1-156.0 m	0.9 m	Massive basalt, quite fractured some alteration of quartz fractures.	3	72	1
		49644	156.0-156.9 m	0.9 m	Change in composition of flow, some alteration around contact.	3	117	6
		49645	156.9-158.3 m	1.4 m	Gray-green to dark gray medium-coarse grained basalt, seems to be siliceous (harder than previous section).	1	21	2
		49646	158.3-159.7 m	1.4 m	Same as above.	5	30	3
159.7m		END OF HOLE						

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-12 PAGE: 1

COMMENCED: February 07, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 09, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: T. Weslowski LOCATION: Chain of Lakes LENGTH: 171.3 m
DATE LOGGED: CO-ORD.: 5449560N, 618900E CORE SIZE:
ELEV.: 1150 % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu
0.0-18.9m		OVERBURDEN/CASING						
18.9-172.0m		SILTSTONE (silty dolomite, dolomitic siltstone), QUARTZITE Pale gray to darker gray-green. Bands of light brownish color also (interbedded) occur quite regularly. Seems to be more siliceous, more likely depositional than alteration. Sediments are thin to medium bedded with what appears to be some thin laminations. Bedding is at ~25° to c/a. Core is quite fractured, some fractures are filled with qtz, fractures show dendritic staining around perimeter, probably manganese. Quartz carbonate veins also cut through. Fractures are yellowish to medium brown probably due to Fe stain						
	Samples:	49647	18.9-20.4 m	1.5 m	Thin bedded, quite-fractured & broken, very brownish color.	2	307	3
		49648	20.4-21.9 m	1.5 m	Broken & fractured, manganese along fractures, some silicification at 21.0 m.	2	419	4
		49649	21.9-23.4 m	1.5 m	Core loss 0.4 m, very broken & fractured, minor quartz vein at ~23.0 m.	1	126	1
		49650	23.4-24.9 m	1.5 m	Very broken & crumbly, small broken up quartz-calcite vein at ~24.5 m	7	191	7
		49651	24.9-26.4 m	1.5 m	Pale gray to gray-green, very fine grained some fracturing.	1	279	1
		49652	26.4-27.9 m	1.5 m	Pale gray very fine grained, some oxidation	1	156	1
		49653	27.9-29.4 m	1.5 m	Pale gray to dark gray with bands of light brown, lighter brown areas possibly due to alteration of sediments. Crumbly section at 28.9 m, some clay material.	1	130	1
		49654	29.4-30.9 m	1.5 m	Pale green to gray-green, brownish beds also, quartz-calcite along fracture @ 29.8m	1	202	1
		49655	30.9-32.4 m	1.5 m	Pale green to gray-green, very fine grained some brownish banding, minor fractures.	2	273	1
		49656	32.4-33.9 m	1.5 m	Pale green, brownish banding, broken and brecciated at 33.7 m, Fe staining (limonite	3	210	1
		49657	33.9-35.4 m	1.5 m	Gray to green-gray, some clay alteration along fracture at 34.0 m.	1	468	1
		49658	35.4-37.2 m	1.5 m	Pale green-gray, brownish banding, minor clay alteration, minor vuggy texture (<1%) with minor infilling of calcareous material	3	565	1
		49659	37.2-38.7 m	1.5 m	Pale gray-green, very fine grained, some oxidation, minor vuggy nature with some vugs filled with quartz-calcite (siderite ?), vugs are Fe stained, some clay material along fractures.	5	290	1
		49660	38.7-40.2 m	1.5 m	Slightly darker gray-green, quartz-calcite areas along fractures and along bedding vuggy extensive Fe (limonite) at 40.0 m, fairly fractured.	13	269	7
		49661	40.2-41.7 m	1.5 m	Pale green-gray, darker area at 40.5m shows more thin laminations, quartz-calcite has filled in vesicles (<1% vugs).	7	934	3
		49662	41.7-43.2 m	1.5 m	Pale green-gray with Fe bands, quite fractured, some Fe staining.	1	999	1

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	
18.9-172.0m	cont'd								
		49663	43.2-44.7 m	1.5 m	Pale green-gray, some Fe bands, Fe stained (limonite) & fractured at 43.3 m. Dendritic manganese along fractures.	3	1125	3	
		49664	44.7-46.2 m	1.5 m	Pale green-gray, some Fe bands manganese along fractures.	1	1068	57	
		49665	46.2-47.7 m	1.5 m	Pale gray-green, very broken with interstial clay along fractures @ 46.5 and 47.2 m.	4	778	6	
		49666	47.7-49.2 m	1.5 m	Pale gray-green, Fe stained bands, manganese along fractures.	1	531	2	
		49667	49.2-50.7 m	1.5 m	Pale gray-green, Fe stained bands, bedding appears at ~25° to c/a, manganese along fractures minor amount of vesicles partially filled with quartz-carbonate.	6	252	4	
		49668	50.7-52.2 m	1.5 m	Pale green-gray, manganese along perimeter of fractures, minor amount of qtz-carbonate along fractures and in vesicles.	6	82	1	
		49669	52.2-53.7 m	1.5 m	Pale green-gray, very broken & fractured small amount of clay material in fractures, several small zones of broken & brecciated material, quite Fe stained.	1	146	5	
		49670	53.7-55.2 m	1.5 m	Pale gray-green, Fe (brownish) bands, manganese along fracture boundaries, minor amount of clay in fractures.	2	155	8	
		49671	55.2-56.7 m	1.5 m	Pale green-gray, quite broken along fractures, manganese along fractures, some Fe banding.	1	75	19	
		49672	56.7-58.2 m	1.5 m	Pale green-gray, minor vesicles, partially filled with quartz-carbonate, fractured.	1	65	7	
		49673	58.2-59.7 m	1.5 m	Pale green-gray, fractured, patch of rusty quartz-carbonate along fracture at ~59.0 m, manganese along fractures, minor broken material (clay) at 59.5 m.	1	64	3	
		49674	59.7-61.2 m	1.5 m	Pale green-gray, Fe (brownish) bands, section at ~60.0 m shows quartz-carbonate replacement approx. along bedding, quartz-carbonate has a vuggy texture in places.	2	338	1	
		49675	61.2-62.7 m	1.5 m	Pale green-gray, brownish Fe bands, vuggy quartz-carbonate along some beds, fractured with manganese.	1	177	4	
		49676	62.7-64.2 m	1.5 m	Pale green-gray, fractures with manganese along boundaries, some clay material along fracture at ~63.6 m	1	405	1	
		49677	64.2-65.7 m	1.5 m	Pale gray-green, vuggy quartz-carbonate along fractures.	3	430	3	
		49678	65.7-67.2 m	1.5 m	Pale gray-green, brownish bands, fractures with manganese.	1	264	3	
		49679	67.2-68.7 m	1.5 m	Pale green-gray, brownish bands, some fracturing with manganese.	1	215	1	
		49680	68.7-70.2 m	1.5 m	Slightly darker green-gray, brownish bands, clay material in fracture at 70.2 m	1	369	4	
		49681	70.2-71.7 m	1.5 m	Pale green-gray, quite fractured, manganese along fractures.	1	938	9	
		49682	71.7-73.2 m	1.5 m	Very broken up, brecciated from 72.4-73.0 m Fe stained (limonite), fine clay material.	1	537	2	
		49683	73.2-74.7 m	1.5 m	Pale green-gray, brownish banding, broken brecciated and clay material at 73.4 m.	1	208	13	

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu
18.9-172.0m	cont'd							
		49684	74.7-76.2 m	1.5 m	Pale green-gray, brownish bands, manganese along fractures.	1	215	27
		49685	76.2-77.7 m	1.5 m	Pale green-gray, fractured with manganese, brownish bands.	3	369	1
		49686	77.7-79.2 m	1.5 m	Patchy brownish sections mixed with pale gray-green bands, some fracturing.	1	938	1
		49687	79.2-80.7 m	1.5 m	Pale green-gray, vuggy section of quartz-carbonate at 79.3 m, several sections where core is broken into fragments down to clay size. Brecciated also in several areas.	1	537	1
		49688	80.7-82.2 m	1.5 m	Very broken, down to clay size around 81.4m fractured.	1	208	1
		49689	82.2-83.7 m	1.5 m	Broken and fractured, "gouge" at 83.3 m, pale green-gray, brownish bands.	2	334	1
		49690	83.7-85.2 m	1.5 m	Pale to dark gray-green, brownish bands, quite fractured.	1	59	1
		49691	85.2-86.7 m	1.5 m	Pale green-gray, brownish bands, quite fractured.	1	65	1
		49692	86.7-88.2 m	1.5 m	Pale green-gray, manganese along fracture.	1	56	1
		49693	88.2-89.7 m	1.5 m	Broken material with interstial clay 89.5-89.7 m.	1	197	2
		49694	89.7-91.2 m	1.5 m	Broken & fractured, slightly coarse & more siliceous in areas of brownish color.	1	168	2
		49695	91.2-92.7 m	1.5 m	Thinly laminated & cross bedded, dark colored laminations, still fractured with manganese on fractures, <1% partially infilled voids.	1	1068	3
		49696	92.7-94.2 m	1.5 m	Quite fractured, minor black laminae, brownish bands, minor <1% vugs.	1	80	4
		49697	94.2-95.7 m	1.5 m	More light to medium gray, brownish bands. Manganese along fractures, small amount of vugs with quartz-carbonate, thin black laminae showing cross bedding.	1	473	1
		49698	95.7-97.2 m	1.5 m	Medium gray, with brownish banding, thin black laminae show bedding, <1% voids spaces with partial quartz-carbonate.	1	523	2
		49699	97.2-98.7 m	1.5 m	Again more green-gray, brownish banding, banding not as pronounced as it is lighter in color, fractured, minor void spaces partially filled.	1	398	1
		49700	98.7-100.2 m	1.5 m	Pale green-gray, some banding of color (brownish beds) but not as intense as above minor fracturing, some siliceous areas parallel to beds with minor void spaces.	1	485	1
		49701	100.2-101.7 m	1.5 m	Pale green gray, brownish (Fe) banding not as pronounced as before, fractured with manganese in fractures, virtually no void spaces (vugs).	1	124	2
		49702	101.7-103.2 m	1.5 m	Pale green-gray to gray with brownish (med. brown) staining, minor amount of black laminae, <1% void spaces with qtz-carbonate	1	682	1
		49703	103.2-104.7 m	1.5 m	Medium gray, brownish bands and some black laminations, several large vugs (30 cm) with quartz-carbonate, fractured.	1	1508	1
		49704	104.7-106.2 m	1.5 m	Basic green-gray with some lighter brown (orangish-brown) bands, gray seems to be tinted (?) with brownish color also bedding still at ~25° to c/a.	1	642	2

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
18.9-172.0m	cont'd								
					Minor black laminations, broken with some clay at 105.7 m, <1% void spaces.				
		49705	106.2-107.7 m	1.5 m	Pale green gray, overprinted (?) with brownish color, minor amount of black laminations, fractured.	1	622	1	
		49706	107.7-109.2 m	1.5 m	Pale green-gray, fractured, some Fe stained beds.	1	146	3	
		49707	109.2-110.7 m	1.5 m	Core is very broken & fractured, medium gray to gray-green, brownish beds also. Note: between 110.7-110.5 core is very broken in small pieces, appears to be some core loss 0.5-0.8 m probably around 114.0 m but hard to tell.	2	209	1	
		49708	110.7-112.2 m	1.5 m	Gray to gray-green, brownish beds, fractured and broken, <1% voids.	1	1012	1	
		49709	112.2-114.0 m	1.5 m	Very broken & rubbly core, probable core loss of 0.5-0.6 m. Gray-green sediments, brownish beds.	1	1335	2	
		49710	114.0-115.5 m	1.5 m	Quite broken, broken down to clay size material at 114.2m, sediments still similar to above.	3	154	2	
		49711	115.5-117.0 m	1.5 m	Very broken core, gray to gray-green, brownish stained beds, black laminae.	4	312	2	150
		49712	117.0-118.5 m	1.5 m	Medium to light gray, brownish staining, cross-bedded, beds at ~25-27° to c/a, black laminae appear at top of beds, quite broken and fractured.	6	193	1	180
		49713	118.5-120.0 m	1.5 m	Medium gray, very fine gained, brownish bands, black laminae, cross-bedding, <1% voids.	2	805	1	170
		49714	120.0-121.5 m	1.5 m	Light to medium gray, brownish beds, black laminae, bedding, very similar to above.	3	202	1	140
		49715	121.5-123.0 m	1.5 m	Medium to light gray, brownish stains, fewer black laminations, fractured.	1	66	1	150
		49716	123.0-124.5 m	1.5 m	Medium to light gray, brownish stained, some black laminae, fractured, broken with clay material at 123.2 m.	5	148	1	110
		49717	124.5-126.0 m	1.5 m	Medium to light gray, brownish bands, black laminations, show cross-bedding.	1	113	1	160
		49718	126.0-127.5 m	1.5 m	Light gray, brownish beds, black laminae, fractured, <1% void spaces, small quartz-carbonate vein at 127.3 m.	1	566	1	120
		49719	127.5-129.0 m	1.5 m	Medium gray, brownish beds, black laminae, fractured.	4	165	1	100
		49720	129.0-130.5 m	1.5 m	Large void (30 cm) at 129.2 m, partially filled with quartz-carbonate, medium gray, brownish beds.	2	241	1	60
		49721	130.5-132.0 m	1.5 m	Light to medium gray, brownish bands, fractured, black laminae, fracturing, manganese along fractures.	4	587	4	90
		49722	132.0-133.5 m	1.5 m	Light gray to gray-green, brownish bands, black laminae, fracturing, manganese along fractures.	1	475	4	130
		49723	133.5-135.0 m	1.5 m	Light gray, much lighter colored brownish beds, no more black laminations, fractured.	2	560	3	110
		49724	135.0-136.5 m	1.5 m	Light gray, light brownish bands, very fine grained, some fracturing, manganese along fractures.	4	189	2	60

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
18.9-172.0m	cont'd								
		49725	136.5-138.0 m	1.5 m	Pale green to gray-green, very fractured and broken, brownish beds.	3	46	3	80
		49726	138.0-139.5 m	1.5 m	Pale green to gray-green, brownish beds, some fracturing, minor manganese on fractures, vuggy section at 139.0 m, partially infilled with quartz-carbonate.	2	201	1	50
		49727	139.5-141.0 m	1.5 m	Pale gray-green to medium-dark gray, brownish beds, black cross-bedded laminations, void space at 139.7, partially infilled with quartz-carbonate, void structure is across bedding, probably along fractures.	3	587	3	220
		49728	141.0-142.5 m	1.5 m	Dark to medium gray, brownish bands, black laminae cross-bedded. Minor (<1%) quartz-carbonate vugs.	4	1360	1	160
		49729	142.5-144.0 m	1.5 m	Light to medium gray, brownish bands, black laminae with predominant bedding features (ie. cross-bedding), fractured, some silicification at 143.8 m.	4	576	2	60
		49730	144.0-145.3 m	1.3 m	Light gray to medium gray, minor amount 2-3% is brownish banded, fractured, seems to be fairly siliceous.	3	97	1	120
		49731	145.3-145.5 m	0.2 m	Small brecciated zone, fairly greenish color, may be altered.	3	42	1	220
		49732	145.5-147.0 m	1.5 m	Dark to medium gray, brownish bands, fractured, black laminae.	3	313	1	130
		49733	147.0-148.5 m	1.5 m	Pale gray-green to medium gray, brownish beds, black laminae, bedding at 23° to c/a broken with clay material at 147.9 m.	3	662	2	60
		49734	148.5-150.0 m	1.5 m	Light to medium gray, brownish beds, black laminae which show abundant bedding, some void spaces infilled with quartz-carbonate.	2	615	1	90
		49735	150.0-151.5 m	1.5 m	Pale to medium gray, less predominant brownish bedding, black laminations, qtz-carbonate along fracture at 151.3 m.	3	387	1	100
		49736	151.5-153.0 m	1.5 m	Green-gray to light gray, brownish beds, fractured.	1	362	1	140
		49737	153.0-154.5 m	1.5 m	Pale green-gray to medium gray, brownish beds, black laminae, fractured.	4	171	1	220
		49738	154.5-156.0 m	1.5 m	Pale green to gray, brownish beds, fracturing.	3	261	1	180
		49739	156.0-157.5 m	1.5 m	Medium to dark-gray, brownish beds, minor black laminae.	4	807	4	100
		49740	157.5-159.0 m	1.5 m	Pale green-gray to medium gray, brownish beds, fractured, minor <1% void space with some quartz-carbonate.	1	347	1	190
		49741	159.0-160.5 m	1.5 m	Medium to light gray to pale gray-green, lighter gray towards 160.5 m, small areas of brownish banding, also black laminae, fractured with some quartz-carbonate in fractures.	1	604	1	80
		49742	160.5-162.0 m	1.5 m	Medium to light gray, some black laminae, minor brownish banding, quite fractured.	6	380	3	130
		49743	162.0-163.5 m	1.5 m	Medium to light gray, black laminae.	1	1008	1	80
		49744	163.5-165.0 m	1.5 m	Medium to light gray, black laminae (unaltered ?) fractured.	3	1057	2	110

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
18.9-172.0m		cont'd							
		49745	165.0-166.5 m	1.5 m	Light gray, clay material along some fractures, minor (<1%) quartz-carbonate voids (partially filled).	1	340	1	160
		49746	166.5-168.0 m	1.5 m	Light to medium gray, some black laminae fractured.	3	202	1	140
		49747	168.0-169.5 m	1.5 m	Medium gray, black laminae, fractured, qtz-carbonate in fractures.	1	926	1	120
		49748	169.5-171.0 m	1.5 m	Light gray, black laminae, fractured (unaltered ?).	1	238	1	100
		49749	171.0-172.0 m	1.5 m	Pale green-gray, quite broken at 171.3 m	1	934	1	180
172.0m		END OF HOLE							

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-13 PAGE: 1

COMMENCED: February 10, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 14, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: T. Weslowski LOCATION: Stone Farm LENGTH: 148.4 m
DATE LOGGED: CO-ORD.: 5449440N, 613550E CORE SIZE: NQ
ELEV.: 1045 m % RECOVERY: ppm except Au & Hg ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0-	~42.7m	CASING							
42.7-	50.6m	DOLOMITIC SILTSTONE, SILTY DOLOMITE Pale gray-green to medium gray. Very fine grained to medium grained. Thinly bedded and thinly laminate. Some bed are very Fe stained and very calcareous. Minor amount of Fe pyrite along some beds (<1%). Bedding is at ~50-60° to c/a. Minor quartz veinlets cut through core.							
		Samples: 49751	42.7-43.8 m	1.1 m	Gray to gray-green sediments, thin beds, thin laminated, some Fe pyrite, very fine to medium grain, very broken core.	1	47	13	
		49752	43.8-44.8 m	1.0 m	Medium gray to gray-green, Fe stained bands small quartz veinlets, very broken core.	1	98	6	
		49753	44.8-47.0 m	2.2 m	Note probable core loss here of up to 1 m, pale green very fine grained to medium gray Core is very broken and fragmented.	1	39	2	
		49754	47.0-48.1 m	1.1 m	Pale green to medium gray, thin beds,thinly laminated, bedding at 50-55° to c/a, some Fe stained beds and some Fe pyrite.	1	58	8	
		49755	48.1-49.1 m	1.0 m	Angular broken material (ie coarse sand), possibly some black argillite material.	1	36	12	
		49756	49.1-50.1 m	1.0 m	Same as above an angular sandy material, brecciated.	2	41	14	
		49758	50.1-50.6 m	0.5 m	Finer "sand" material, more rounded & much smaller in size.	1	67	22	
50.6-	53.85m	Ran into "sand" material, could not recover any core, triconed down to 53.95 m (177').							
53.85-	63.5m	DOLOMITIC ARGILLITE (pyritic) Black color, very fine grained, thinly laminated. Sections show brecciation with a quartz-carbonate matrix. Brecciated areas in some cases also have a clay matrix around the quartz carbonate. Cut by quartz-carbonate veins as well as some areas showing a quartz-carbonate silicification. Fine disseminated pyrite in the argillite. Areas of quartz-carbonate also have a "vuggy" nature to them. Core has "blocks" of silty dolomite & dolomitic siltstone.							
		Samples: 49758	53.85-54.8 m	0.95 m	Pale gray to black, some siltstone in with argillite. Possible contact of siltstone/ argillite at 54.0 m, some siliceous - carbonate concentrations, pyrite is dissem. through core. Core is very fractured and broken.	2	12	3	
		49759	54.8-55.5 m	0.7 m	Black argillite sediments, disseminated pyrite, some Fe staining, very broken and crumbly, some clay material.	1	22	2	
		49760	55.5-56.7 m	1.1 m	Note core loss of ~0.3-0.4 m. Black argillite sediments, brecciated some interstial clay material, very broken,minor disseminated pyrite.	1	8	6	
		49761	56.7-57.6 m	0.9 m	Black fine laminated sediments, "vuggy" quartz-carbonate veining,with clay material quite broken core, disseminated pyrite.	1	7	3	
		49762	57.6-58.6 m	1.0 m	~0.6 m recovered, silty dolomite, grayish Fe pyrite visible quite broken.	2	4	2	

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
53.85-63.5m		cont'd							
		49763	58.6-59.4 m	0.8 m	Brecciated and broken, clay alteration, quartz-carbonate matrix in breccia, quite broken siltstone & argillite sediments.	1	11	7	
		49764	59.4-60.3 m	0.9 m	Black very broken argillite sediments, some clay alteration,"vuggy" qtz-carbonate veins	1	11	3	
		49765	60.3-62.9 m	2.6 m	~1.0 m recovered, argillite with some siltstone, "vuggy" qtz-carbonate veins, clay alteration, disseminated pyrite in siltstones.	1	8	5	
		49766	62.9-63.6 m	1.1 m	~0.9 m recovered. Argillite sediments, very broken, minor quartz veins.	1	6	6	
63.6-81.0m		DOLOMITIC QUARTZITE							
		Medium gray very fine grained. Quartz-carbonate along fractures and healed fractures, core is fairly broken, minor amount (<1%) fine pyrite, common in fractured areas along with qtz-carbonate zones of brecciation along fractures, some material broken down to clay.							
		Samples: 49767	63.6-66.1 m	2.5 m	~0.9 m core recovered, medium gray fine grained sediments, very broken, some Fe staining, finely disseminated pyrite.	1	7	3	
		49768	66.1-67.5 m	1.4 m	Medium gray, fine grained, quite broken, some silicification, fractured with quartz in fractures finely disseminated pyrite.	1	14	6	120
		49769	67.5-69.0 m	1.5 m	Medium-gray, very fine grained, areas of fractures & healed fractures, zone of mineralization at ~68.0 m, mostly pyrite concentrated along some healed fractures.	1	26	19	10
		49770	69.0-70.5 m	1.5 m	Medium to dark gray, quite fractured and healed fractures, pyrite quite predominant along these fractures, broken with clay material (Fe stained) at 71.8 m.	1	7	2	30
		49771	70.5-72.0 m	1.5 m	Medium to dark gray, quite fractured and healed fractures, pyrite quite predominant along these fractures, broken with clay material (Fe stained) at 71.8 m.	2	9	6	60
		49772	72.0-73.5 m	1.5 m	Medium gray, pyritic healed fractures, broken at 73.4 m.	1	6	2	70
		49773	73.5-75.0 m	1.5 m	Medium to dark gray, very broken core, pyrite along fractured surfaces.	1	7	3	60
		49774	75.0-76.5 m	1.5 m	Medium to dark gray, still very broken, fine pyrite obvious along fractures.	1	6	1	90
		49775	76.5-78.0 m	1.5 m	Medium gray, pyrite along fractures, very fine grained, sediments broken up by fractures then filled with quartz along with pyrite (@ 76.8 m).	2	7	3	80
		49776	78.0-79.5 m	1.5 m	Medium to dark gray sediments, cut by qtz-carbonate veins but no pyrite, very broken & brecciated in areas, some clay alteration quite silicified at 79.5 m.	1	7	2	100
		49777	79.5-81.0 m	1.5 m	Medium gray to gray-green, fault gouge at 79.9 m, minor fracturing, fine pyrite small amounts.	2	8	4	160
81.0-148.4m		SILTSTONE							
		Color ranges from light green to darker green-gray to light gray,local beds are light cream color. Bedding is at ~65-70° to c/a. Sediments are thinly bedded and thinly laminated. Some areas of local silicification. Minor quartz-carbonate fractures. Some pyrite mineralization, both along fractures and disseminated. Above unit was more calcareous, fine whitish material along fractures is calcareous.							

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
81.0-148.4m		cont'd							
		Localized areas of "mottled" white spots, secondary features, small percentage ~1%.							
		Samples: 49778	81.0-82.5 m	1.5 m	Light to medium gray, quite fractured, possibly chlorite along fracture at 82.5 m.	1	7	4	300
		49779	82.5-84.0 m	1.5 m	Light gray to light gray-green,quite broken very fine fringed, fractured at steep angles to c/a. Clay alteration gouge, some chlorite, clay is slightly calcareous.	1	8	3	70
		49780	84.0-85.5 m	1.5 m	Light gray, dark gray laminations to green-gray, very broken with clay alteration gouge material at 84.0 steep angle fracture minor pyrite.	2	7	3	130
		49781	85.5-87.0 m	1.5 m	Medium gray to gray-green, gouge material at 86.8 m, fractured with calcareous white material along fractures.	5	7	3	120
		49782	87.0-88.0 m	1.0 m	Medium to dark gray sediments, minor disseminated pyrite at 88.0 m.	3	8	7	280
		49783	88.0-89.0 m	1.0 m	Gray to gray-green, some pyrite <1% dissem.	6	6	1	60
		49784	89.0-90.5 m	1.5 m	Medium gray to gray-green, minor amount of gouge at 89.4 m, quite broken in sections minor <1% pyrite disseminated.	8	6	2	70
		49785	90.5-92.0 m	1.5 m	Localized areas of light gray sediments, also medium to dark gray-green sections, fractured with minor steep (to c/a) veinlets or stringers, fault gouge at 91.5m carbonaceous along fractures.	6	8	1	10
		49786	92.0-93.5 m	1.5 m	Light gray to medium gray-green, gouge material at 92.5 m, quartz stingers, very fine grained.	1	9	1	80
		49787	93.5-95.0 m	1.5 m	Pale gray-green, cut by quartz-carbonate stringers, broken core, fault gouge at 95.0	2	7	1	50
		49788	95.0-96.5 m	1.5 m	Pale green-gray, some silicification at 95.7-96.5 m.	2	7	1	20
		49789	96.5-98.0 m	1.5 m	Light cream colored beds with medium to dark gray-green beds, localized areas are quite siliceous, fractured, qtz-carbonate along fractures, small "spots" of whitish material some sort of secondary feature (mottled ?).	1	5	3	10
		49790	98.0-99.5 m	1.5 m	Medium to dark gray-green beds, thin laminations, minor silicified beds, some elongated coarser grained lenses (flaser bedding ?), quartz-carbonate veins and stringers.	1	13	3	5
		49791	99.5-101.0 m	1.5 m	Pale gray-green, isolated coarser beds, "spotty" white patches, secondary to bedding.	2	12	1	5
		49792	101.0-102.5 m	1.5 m	Gray to gray-green, some siliceous beds, minor sandy laminations.	4	10	1	5
		49793	102.5-104.0 m	1.5 m	Green-gray color siltstone, fractured, thin beds, thinly laminated, bedding angle of 15-20° to c/a, fine calcareous material along fractures.	1	10	1	5
		49794	104.0-105.5 m	1.5 m	Gray to green-gray, large fracture at ~10° to c/a filled with qtz-carbonated; some silicification along beds with chlorite alteration, calcareous material along fractures.	3	8	1	5

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
81.0-148.4m	cont'd								
		49795	105.5-107.0 m	1.5 m	Green-gray siltstone, quite broken at 106.7 fractured.	1	8	1	5
		49796	107.0-108.5 m	1.5 m	Green-gray, quite broken, minor quartz-carbonate veins.	3	11	1	10
		49797	108.5-110.0 m	1.5 m	Gray-green, thin beds, thin laminae, small quartz-carbonate veins, fractured (calcareous).	2	11	1	5
		49798	110.0-111.5 m	1.5 m	Gray to green-gray, thinly bedded & very thin laminated fractured.	1	18	2	5
		49799	111.5-113.0 m	1.5 m	Green-gray sediments, fractured with fine calcareous material along fractures, quite broken.	2	14	1	5
		49800	113.0-114.5 m	1.5 m	pale green-gray sediments, minor silicification, calcareous fractures, very broken.	4	12	3	10
		57001	114.5-116.0 m	1.5 m	Green-gray, calcareous fractures, start of zone of very broken and gouged core.	4	12	2	60
		57002	116.0-117.5 m	1.5 m	Majority of core is fault gouge or green-gray sediments.	2	9	7	410
		57003	117.5-119.0 m	1.5 m	Very broken core, gouge material ~0.8 core recovered.	1	10	2	10
		57004	119.0-120.5 m	1.5 m	Still very broken core, some fault gouge, very fractured (calcareous)	2	11	4	50
		57005	120.5-122.0 m	1.5 m	Green-gray sediments, some silicification @ 120.7 m, minor brecciation with silicification minor black laminae, core very broken and fractured.	2	7	3	200
		57006	122.0-123.5 m	1.5 m	Very broken, fault gouge, calcareous along fractures.	2	11	4	50
		57007	123.5-125.0 m	1.5 m	Very broken and fractured, some fault gouge minor quartz-carbonate vein.	2	11	3	60
		57008	125.0-126.5 m	1.5 m	Fault gouge and broken material, quartz-carbonate vein at 126.5 m with minor chlorite.	1	11	2	20
		57009	126.5-128.0 m	1.5 m	Light gray to pale green-gray, calcareous fractures and stringers, seems to be slightly more siliceous at 127.5 m. Minor chlorite along quartz-carbonate vein.	2	46	4	20
		57010	128.0-129.5 m	1.5 m	Green-gray sediments, calcareous fractures, minor "gouge" along fractures, minor black laminae at 129.5 m, fairly siliceous in sections.	3	11	4	50
		57011	129.5-131.0 m	1.5 m	Green-gray to medium gray sediments, fractured (calcareous) gouge along fracture at 129.0 m, minor broken quartz-carbonate veins.	4	11	7	320
		57012	131.0-132.5 m	1.5 m	Gray-green sediments, quartz-carbonate veins, calcareous fractures.	2	120	5	120
		57013	132.5-134.0 m	1.5 m	Green-gray sediments, minor black laminae, some quartz-carbonate veining, both along bedding planes and at right angles to bedding.	2	12	1	5
		57014	134.0-135.5 m	1.5 m	Green-gray sediments, qtz-carbonate veins	3	15	1	10
		57015	135.5-137.0 m	1.5 m	Light gray beds in with green gray beds, grayish beds are very fine grained with some black laminae, calcareous fractures.	4	9	1	200
		57016	137.0-138.5 m	1.5 m	Gray to green-gray sediments, minor black laminae.	3	10	2	120

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
81.0-148.4m	cont'd								
		57017	138.5-140.0 m	1.5 m	Medium gray to green-gray sediments, fractured.	1	11	3	180
		57018	140.0-141.5 m	1.5 m	Siltstone sediments, gouge material @ 140.8 one quartz-carbonate vein at 141.3 with possibly some chlorite.	1	14	1	70
		57019	141.5-143.0 m	1.5 m	Green-gray, one quartz-carbonate vein, calcareous fractures, minor brownish laminae at 142.7 m.	1	11	1	20
		57020	143.0-144.5 m	1.5 m	Thin bedded, thin laminated green-gray sediments, calcareous fractures.	1	11	1	50
		57021	144.5-146.0 m	1.5 m	Green-gray sediments, black laminae, calcareous fracture.	2	10	5	380
		57022	146.0-147.2 m	1.2 m	Fault gouge at 146.0 m, fractured.	3	11	1	30
		57023	147.2-148.4 m	1.2 m	Some fracture gouge, quartz-carbonate vein.	1	26	1	20
148.4m	END OF HOLE								

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-14 PAGE: 1

COMMENCED: February 14, 1990 DISTRICT: Fort Steele COLLAR DIP: -90o TESTS @:
COMPLETED: February 15, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: Peter Klewchuk LOCATION: Stone Farm LENGTH: 84.1 m
DATE LOGGED: February 16, 1990 CO-ORD.: 5449440N, 613490E CORE SIZE: nq
ELEV.: 1045 m % RECOVERY: ppm except Au & Hg ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0-29.8m		CASING; No core. (Cased to 30.2m; core from ~29.8 m)							
29.8-60.4m		DOLOMITE & DOLOMITIC SILTSTONE Light gray to dark brownish-yellow; variably altered with local strong brownish discoloration. Typically irregularly laminated with indistinct bedding planes. Bedding is at ~50° to c/a. Numerous zones of broken core with brecciation and brownish, usually carbonate (calcite) alteration are present. A few narrow calcite vein matrix breccia zones are scattered through the interval, generally increasing downward. Dendritic pyrolusite is common as an alteration product and is most concentrated with more intense limonitic alteration.							
	Samples:	49862	29.8-30.9 m	1.1 m	Brown limonite and Mn-altered	1	397	7	
		49863	30.9-31.9 m	1.0 m	Broken core, limonitic, 0.5 m recovered	1	146	10	
		49864	31.9-33.0 m	1.1 m	Broken core, limonitic, Mn-alteration	1	82	5	
		49865	33.0-34.9 m	1.9 m	Broken core, limonitic, Mn-alteration 0.9 m Recovered	2	68	4	
		49866	34.9-36.3 m	1.4 m	More competent, Minor brownish limonite, Mn staining	1	40	3	
		49867	36.3-36.8 m	0.5 m	Minor fault, quartz-CO_3 veining, broken core, gouge, strong brownish limonite	1	92	11	
		49868	36.8-37.4 m	0.6 m	Carbonate-altered, brownish silty dolomite	1	40	2	
		49869	37.4-37.5 m	0.1 m	Mud zone, possible fault gouge	2	320	24	
		49870	37.5-38.7 m	1.2 m	Fe, Mn, CO_3 alteration, brownish; calcite veins, some broken core.	1	47	3	
		49871	38.7-39.7 m	1.0 m	Brecciated, calcite veining, minor faulting with brownish gouge.	1	67	5	
		49872	39.7-41.5 m	1.8 m	Yellow-brown Fe & Mn alteration, CO_3 veining	1	52	2	
		49873	41.5-42.3 m	0.8 m	Brecciated, broken, Fe & Mn altered	3	52	3	
		49874	42.3-43.5 m	1.2 m	Patchy alteration thin Calcite-Hematite veining- South dipping if bedding dips east	2	29	3	
		49875	43.5-45.0 m	1.5 m	Buff-colored, altered dolomite	2	35	3	
		49876	45.0-46.5 m	1.5 m	Buff-colored, altered dolomite, minor dissem., coarse grained, oxidized Py	2	34	3	
		49877	46.5-48.0 m	1.5 m	Buff-colored, altered dolomite, Calcite and Mn veining	1	45	1	
		49878	48.0-49.1 m	1.1 m	Buff-colored, altered dolomite, Calcite & Mn veining	1	51	3	
		49879	49.1-50.2 m	1.1 m	Light gray-yellow, relative unaltered dolomite	1	34	3	
		49880	50.2-51.5 m	1.3 m	Strong brownish alteration	2	104	4	
		49881	51.5-53.0 m	1.5 m	40 cm core loss, moderate to strong brownish alteration	1	270	8	
		49882	53.0-54.5 m	1.5 m	Variably altered, CO_3 veining	3	232	3	50
		49883	54.5-55.3 m	0.8 m	Strong brown banded alteration, CO_3 veins	5	215	2	30
		49884	55.3-56.6 m	1.3 m	Dark brown altered, CO_3 veining brecciation	1	270	6	100
		49885	56.6-57.6 m	1.0 m	Moderate to strong alternated brecciation, CO_3 veining	1	319	8	180
		49886	57.6-59.0 m	1.4 m	Medium gray, massive 1 cm dolomite, minor alteration.	4	58	5	30
		49887	59.0-60.4 m	1.4 m	Increasingly brown-altered to base Bx, CO_3 veining.	3	286	4	100

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
60.4-62.6m		DOLOMITIC ARGILLITE SILTSTONE							
		Dark gray to black, finely laminated. Some color banding, white and dark gray, in the top 30 cm. Most of the zone is weakly calcareous. Most of the core is quite broken. Fine pyrite is disseminated through the interval - very minor.							
		Bedding angle is 40° to 50° to c/a.							
		Samples: 49888	60.4-61.1 m	0.7 m	Color banded to more massive (finely laminated). 0.6 m Recovered	3	13	9	120
		49889	61.1-61.8 m	0.7 m	More massive core finely laminated, dark gray to black	2	13	12	160
		49890	61.8-62.6 m	0.8 m	Broken core, sheared (slickensides), graphitic. ~0.4 m Recovered	2	168	12	180
62.6-68.2m		ALTERED LIMESTONE & DOLOMITE							
		Medium gray, yellow-gray and buff-brown colored, discolored by moderate to strong limonitic alteration. Thinly laminated throughout. Much of the interval is broken with Fe & Mn stained fractures. Brecciation occurs throughout, with a vein matrix of calcite.							
		Samples: 49891	62.6-64.0 m	1.4 m		3	153	7	160
		49892	64.0-65.4 m	1.4 m	Broken core	1	61	5	350
		49893	65.4-66.8 m	1.4 m	Minor fault at 66.8m; 20 cm core loss	1	135	3	240
		49894	66.8-68.2 m	1.4 m	Broken core ~20 cm core loss	3	58	4	100
68.2-69.6m		ARGILLITE SILTSTONE							
		Dark gray to black, finely laminated. Upper 40 cm is color banded white and dark gray, similar to top part of 60.4-62.6 interval. Fine disseminated Py is present in very minor amounts. Core is quite broken; fracture surfaces are chloritic with possible minor graphite.							
		Samples: 49895	68.2-68.9 m	0.7 m	~0.6 m Recovered	2	7	5	120
		49896	68.9-69.6 m	0.7 m	~0.45 m Recovered	3	10	8	220
69.6-74.5m		BRECCIATED LIMESTONE & DOLOMITE; FAULT ZONE							
		Light gray to buff-brown colored, generally similar to 62.6-68.2 m interval. Strongly brecciated with numerous white calcite veins. Fault zone at ~74.0 m at 20° to c/a. Crushed Mn-stained carbonate within the fault zone extends from ~72.7 to ~74.0 m with >50% core loss. locally there is coarse calcite developed in open vugs. At ~70.2 m a narrow 10-15 cm length of strongly broken core carries abundant very fine disseminated pyrite. Minor light pink discoloration in some more brecciated zones and on the fault at 74.0 m appears to be hematite. Some core loss is evident.							
		Samples: 49897	69.6-70.1 m	0.5 m	Brecciated, faulted, calcite veining	1	8	11	220
		49898	70.1-70.3 m	0.2 m	Broken core, fine disseminated pyrite	1	9	6	330
		49899	70.3-71.7 m	1.4 m	0.8 m Recovered; maybe ~70 cm of core loss at "71.7 m"; minor crush zone	1	14	3	160
		49901	71.7-72.7 m	1.0 m	Broken core but ~100% Recovered. Strong calcite veining	1	25	3	110
		49902	72.7-74.0 m	1.3 m	Fault breccia;'clearage' is quite irregular but generally sub parallel to c/a	1	6	3	60
		49903	74.0-74.5 m	0.5 m	Healed breccia, 30% white calcite vein matrix	1	8	2	80
74.5-84.1m		ARGILLITE SILTSTONE (DOLOMITIC)							
		Dark gray to black, dolomite & typically silicified. Thinly laminated, some is color banded. Bedding is typically at ~60° to c/a but with significant calcite-vein-matrix breccia and a lot of broken core. Narrow zones are crushed with only fine-medium grained "gouge" recovered. Considerable core loss is present and the lower portion of the zone proved impossible to drill through; hole was abandoned t 84.1 m.							
		Samples: 49904	74.5-75.7 m	1.2 m	Broken core, finely laminated and color banded. ~0.8 m Recovered	1	5	4	70
		49905	75.7-77.5 m	1.8 m	Brecciated, Calcite veining ~0.8m Recovered	1	5	4	80
		49906	77.5-78.0 m	0.5 m	Very broken core, patchy pyrite, 15 cm zone of black 'mud', ~0.35 m Recovered	2	10	4	100

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
74.5-84.1m		cont'd							
		49907	78.0-78.9 m	0.9 m	Broken, Rubbly core -0.3 m Recovered	1	5	3	70
		49908	78.9-81.4 m	2.5 m	Broken, Rubbly core, -0.35 m Recovered	2	5	3	80
		49909	81.4-82.2 m	0.8 m	Broken core -0.6 m Recovered	2	5	5	260
		49910	82.2-83.0 m	0.8 m	Broken core -0.6 m Recovered	1	6	3	100
		49911	83.0-83.6 m	0.6 m	Mud & broken core -0.30 m Recovered	4	9	9	170
		49912	83.6-84.1 m	0.5 m	Crushed argillite; mass of fine chips -0.25 m Recovered	1	26	15	210
		Note: No footage markers between 81.4 & 84.1; sample intervals are inferred.							
84.1m		END OF HOLE							

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-15 PAGE: 1

COMMENCED: February 16, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 18, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: T. Weslowski LOCATION: Stone Farm LENGTH: 117.9 m
DATE LOGGED: CO-ORD.: 5448940N, 612600E CORE SIZE: NQ
ELEV.: 1200 m % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0-2.1m		CASING/OVERBURDEN							
2.1-31.4m		ARGILLACEOUS LIMESTONE Thinly bedded, thinly laminated, laminations tend to be very irregular, wavy material is very fine grained and is very calcareous throughout. Beds and laminations are black in color, but interbedded with light brown colored beds as well as whitish-gray colored beds. The whitish-gray colored beds and laminations tend to be very broken, fragmented and wispy (flaser bedding). Whitish gray fragments tend to be very angular and more elongated parallel to bedding. Bedding angle is ~70-75° to c/a. Core is cut by quartz-carbonate veins at right angles (perpendicular) to bedding planes. Small stringer and micro fractures accompany veining. Some areas show offset of beds by veins of 2-3 cm. Some veins have a "vuggy" nature. Sedimentary structures such as mud-chip brecciation and bedding that has been deformed at deposition is evident. Sections of core are very broken and "gouge" material would indicate movement, some minor alteration occurs around some broken zones.							
	Samples:	57024	2.1-3.2 m	1.1 m	Calcareous sediments, some Fe staining.	1	19	8	130
		57025	3.2-4.3 m	1.1 m	Calcareous sediments, bedded & laminated, large quartz-carbonate vein at 3.3 m, Fe stained fractures (near surface ?).	1	18	6	120
		57026	4.3-5.0 m	0.7 m	Zone of more medium grain material, hematite in core and on contact with above & below sediments, structure same and it is still calcareous probably a secondary siliceous flooding of one zone, large "patch" of quartz-carbonate & cut by quartz carbonate veins.	1	43	1	230
		57027	5.0-6.5 m	1.5 m	Calcareous sediments, interbedded black, light brown and whitish laminations, fractured.	2	27	11	110
		57028	6.5-8.0 m	1.5 m	Thin beds, thin laminae, brownish, black & whitish-gray, whitish-gray is elongated broken and wispy along bedding, quartz-carbonate veins, some Fe stained micro-fractures.	2	19	48	120
		57029	8.0-8.7 m	0.7 m	Broken section at 8.6 m, some clay alteration, "vuggy" quartz-carbonate vein.	1	7	21	180
		57030	8.7-9.9 m	1.2 m	Calcareous sediments, flow structure at 8.9m several quartz-carbonate veins at right angles to bedding. Concentration of brownish laminae at 8.8 m.	3	14	7	90
		57031	9.9-11.1 m	0.4 m	Black and brownish beds, quartz-carbonate veins, wavy bedding, some quartz-carbonate along bedding.	2	16	12	130
		57032	11.1-11.5 m	1.5 m	Broken and "gouge" material, minor vuggy quartz-carbonate features.	2	18	14	250
		57033	11.5-13.0 m	1.5 m	Flow & brecciated structure at 11.8 m, qtz-carbonate veins and fractures, minor broken "gouge" material.	3	26	13	210
		57034	13.0-14.5 m	1.5 m	Fe stained quartz-carbonate micro-fractures grades from almost "massive" black beds to interbedded black, brown and whitish-gray. Some quartz-carbonate veins are "vuggy".	2	11	9	140

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
2.1-31.4m		cont'd							
		57035	14.5-16.0 m	1.5 m	Thin bedded, thin laminated, calcareous, "vuggy" quartz-carbonate veins.	2	8	13	160
		57036	16.0-17.5 m	1.5 m	Several zones of "vuggy" quartz-carbonate along fractures, thin black, brown & whitish gray beds cut by veins.	2	10	12	100
		57037	17.5-19.0 m	1.5 m	Fe stain concentration at 18.6 m, broken with some "gouge".	1	12	7	110
		57038	19.0-20.5 m	1.5 m	Black and whitish gray zones interbedded, whitish gray are usually brecciated, quartz-carbonate fracturing.	3	12	9	80
		57039	20.5-21.4 m	0.9 m	Contorted and deformed whitish gray zones, quartz-carbonate.	2	11	13	120
		57040	21.4-21.9 m	0.5 m	Small broken & brecciated area, some fault "gouge" with clay material.	1	16	11	160
		57041	21.9-23.0 m	1.1 m	Calcareous sediments, quartz-carbonate veining.	2	27	18	140
		57042	23.0-24.2 m	1.2 m	Contact zone of structure, fault "gouge" large "vuggy" quartz vein which breaks up into above bedding, ~0.6 m core loss along broken area.	3	41	10	110
		57043	24.2-25.2 m	1.0 m	Calcareous sediments.	2	38	3	50
		57044	25.2-25.4 m	0.2 m	Fe stained very soft section of core, black color.	2	18	32	280
		57045	25.4-26.9 m	1.5 m	Calcareous sediments, minor quartz-carbonate veining.	3	10	11	120
		57046	26.9-28.4 m	1.5 m	Broken calcareous sediments, twin bedded, thin laminated, quartz-carbonate veins perpendicular to bedding.	1	13	4	130
		57047	28.4-29.9 m	1.5 m	Minor quartz-carbonate veining.	2	9	6	110
		57048	29.9-31.4 m	1.5 m	Some light brown Fe stained beds, very broken, minor quartz-carbonate veins.	1	14	12	190
31.4-117.9m		SILTY DOLOMITE? (dolomitic siltstone)							
		Thin bedded, thin laminated, tends to be more of a black color, although areas contain both black and whitish-gray laminations. The whitish-gray sections are broken and elongated parallel to bedding, very angular and tend to be localized. Core is calcareous in nature but does not effervesce as readily as the above limestone (ie. more impurities). Some areas even grade into an almost "massive" appearance. Core is cut by numerous quartz-carbonate veins, and micro-fractures. Some fractures show hematite staining on their boundaries. Certain fractures show a brownish colored "halo". Vugs occur in some larger qtz-carbonate veins. With depth veining increases and limestone becomes brecciated with a qtz-carbonate matrix. Veins in zone of ~50-110 m are very altered around their boundaries. The alteration gives the host rocks a greenish-brown appearance. Some talc is also seen in "patchy" occurrences through some quartz-carbonate veins. Minor pyrite mineralization is also seen. The host rock shows disseminated pyrite in certain areas only, as well as some breccia fragments containing some pyrite.								
	Samples:	57049	31.4-32.5 m	1.1 m	Fault gouge at 31.6 m, broken core, calcareous sediments.	3	29	10	220
		57050	32.5-34.0 m	1.5 m	Thin bedded, thin laminated, dark gray to black sediments, local whitish-gray beds, cut by quartz-carbonate stringers, some Fe-staining on quartz-carbonate veins.	4	15	6	150
		57051	34.0-35.4 m	1.4 m	Dark gray to black, thin laminations, qtz-carbonate veins and micro-fractures.	2	10	3	90
		57052	35.4-36.4 m	1.0 m	Fault "gouge" mixed with more calcareous whitish-gray to black sediments, at 36.5 m seems to be an alteration zone along contact with underlying fault or fracture.	2	21	7	160

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
31.4-117.9m	cont'd								
		57053	36.4-38.0 m	1.6 m	Fault "gouge" very broken, Fe-stained, ~1.0m core recovered.	2	13	11	200
		57054	38.0-39.5 m	1.5 m	Still quite broken, Fe-stained, dark gray to black sediments, numerous Fe-stained qtz-carbonate veins and fractures.	2	18	8	140
		57055	39.5-41.0 m	1.5 m	Dark gray to black, local areas of whitish beds, Fe-stained fractures.	2	15	6	110
		57056	41.0-42.5 m	1.5 m	Broken and gouge material at 41.8 m, fractures at 42.3 m are very Fe-stained and small amounts of hematite are present in the core.	1	18	6	60
		57057	42.5-44.0 m	1.5 m	Grayish-color, vuggy quartz-carbonate veins and fractures, some Fe-stained beds.	4	14	5	140
		57058	44.0-45.5 m	1.5 m	Very fractured at 44.2 m, some fault gouge, grayish color.	1	19	6	100
		57059	45.5-47.0 m	1.5 m	Grayish color, quartz-carbonate fractured, some Fe stain (manganese) along fractures, some hematite in quartz-veins.	1	19	9	40
		57060	47.0-48.5 m	1.5 m	Very Fe-stained and some alteration around quartz-carbonate veins.	1	14	10	100
		57061	48.5-50.0 m	1.5 m	Grayish, thin bedded, thin laminated, some clay alteration at 50.0 m.	1	17	8	130
		57062	50.0-51.2 m	1.2 m	Light gray, some brownish beds, quartz-carbonate veins.	1	15	6	70
		57063	51.2-51.9 m	0.7 m	Fault gouge material, some clay alteration along broken surfaces.	1	40	17	140
		57064	51.9-53.0 m	1.1 m	Dark gray to medium gray, very fine grained quartz-carbonate fractures, some alteration on border of fractures, broken with gouge at several areas.	2	23	4	60
		57065	53.0-54.5 m	1.5 m	Very broken, some Fe-staining along broken surfaces, fault gouge.	1	22	7	200
		57066	54.5-56.0 m	1.5 m	Large "vuggy" quartz-carbonate vein at 55.6m some Fe-staining, quartz-carbonate fractures dark gray sediments, very fine grained.	1	10	6	80
		57067	56.0-57.5 m	1.5 m	Dark gray dolomite, "vuggy" quartz-carbonate vein, has some hematite along boundaries of vein.	1	16	7	100
		57068	57.5-59.0 m	1.5 m	Extensive system of veins and stringers at 58.5-59.0 m, veins show some Fe (hematite) staining and some alteration on boundaries.	1	14	10	130
		57069	59.0-60.5 m	1.5 m	Continuation of extensive quartz-carbonate vein system, veins contain some Fe as well as patchy talc alteration, major vein is at 0^{o} to c/a.	2	20	18	70
		57070	60.5-62.0 m	1.5 m	Grayish dolomite, fractured and stringers of quartz-carbonate, some veins show alteration on their boundaries, some hematite staining on fractures, minor talc alteration in veins minor brecciation at 61.5 m.	1	30	14	100
		57071	62.0-63.5 m	1.5 m	Breccia at 62.2 m, quartz-carbonate matrix with dolomite fragments (4-5 cm long), brownish alteration around breccia, 62.5 m. 63.5 core not as altered with minor fracturing, "vuggy" texture to vein.	2	24	18	150
		57072	63.5-65.0 m	1.5 m	Light to medium gray, quartz-carbonate veins (minor talc), fractured with some hematite in fractures.	1	23	9	180

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
31.4-117.9m	cont'd								
		57073	65.0-66.5 m	1.5 m	Very broken core, lighter gray in color, manganese along fractures, minor amounts of talc, some Fe-staining.	1	16	4	50
		57074	66.5-68.0 m	1.5 m	Light to medium gray, lighter color may be a slight change in composition, still very fractured with hematite staining, minor talc	1	20	5	30
		57075	68.0-69.5 m	1.5 m	Light to medium gray, fractured, manganese along fractures.	2	36	7	40
		57076	69.5-71.0 m	1.5 m	Light gray to greenish-brown, very fractured and micro-fractured, gouge material at 70.8m greenish brown color may be due to alteration.	3	16	2	50
		57077	71.0-72.5 m	1.5 m	Medium to dark gray, core is very brownish color in areas, from alteration, fractures and micro-fractures, manganese along fractures, hematite present.	2	39	2	40
		57078	72.5-74.0 m	1.5 m	Very brownish color to core, alteration product, fractured, at 74.0 m core is very broken just adjacent to a brecciated zone, minor gouge material.	2	27	5	80
		57079	74.0-75.5 m	1.5 m	Brecciated zone, quartz-carbonate matrix with mostly darker black fragments, some fragments have been altered to a brownish color, areas around fractures are also a brownish color due to alteration, minor hematite.	1	14	9	180
		57080	75.5-77.0 m	1.5 m	Brecciated down to ~76 m, brecciation is as above, core has very brownish appearance due to some alteration, quartz-carbonated vein (vuggy) at 76.2 m, ~20° to c/a, 3-4 cm wide.	1	13	5	80
		57081	77.0-78.5 m	1.5 m	Core has very brownish color due to alteration, brecciated, quartz-carbonate matrix, fragments are gray dolomite or altered (brownish color) dolomite. Minor amounts of hematite.	5	8	3	90
		57082	78.5-80.0 m	1.5 m	Very brecciated and very brownish color due to alteration, some vuggy quartz-carbonate matrix minor pyrite in fragments and disseminated in matrix at 79.8 m, fragments tend to be more sub-angular.	1	10	3	100
		57083	80.0-81.5 m	1.5 m	Brecciated material grades into a more massive dolomite, breccia matrix is still quartz-carbonate core is still very brownish color due to some alteration, secondary qtz-carbonate veins and stringers, minor amount of pyrite at 80.0 m. Fragments are still sub-angular.	1	12	7	210
		57084	81.5-83.0 m	1.5 m	Tends to be more "massive" looking medium gray dolomite, patchy brownish alteration usually around quartz-carbonate veins, veins and stringers of quartz-carbonate cut thru.	1	4	4	90
		57085	83.0-84.5 m	1.5 m	Brownish color (altered) dolomite, cut by quartz-carbonate veins and stringers, section from 83.4-83.8 m more broken, Fe-stained and hematite and has more whitish carbonate material.	1	9	5	120

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
31.4-117.9m	cont'd								
		57086	84.5-86.0 m	1.5 m	Grayish dolomite (to black), extensively veined and fractured, major veins show minor brecciation of host rock, veins & fractures are quartz-carbonate material, vuggy in areas pinkish color at 85.5 from hematite.	2	7	5	90
		57087	86.0-87.5 m	1.5 m	Greenish-gray dolomite, quartz-carbonate fractures, manganese along fractures.	1	21	9	100
		57088	87.5-89.0 m	1.5 m	Greenish-gray, becomes very "bleached" at 88.0 m (pale pinkish to green color) extensive veinlets at ~88.4 m, veinlets are very reddish around boundaries (hematite stained), gouge at 88.7 m very Fe (brownish) stained. Hematite grains present also.	1	15	4	60
		57089	89.0-90.5 m	1.5 m	Core is very broken (rubble), gray to green-gray, areas are very bleached, from 90.0 m on pinkish color due to hematite. Hematite grains, reddish veins as above.	1	18	4	70
		57090	90.5-92.0 m	1.5 m	Very broken (rubble) brownish bleached appearance, hematite stained, fault gouge.	5	22	6	60
		57091	92.0-93.5 m	1.5 m	Very broken and bleached, broken to clay in areas, very pinkish stained at 92.6, bleached core is green to very brownish-green.	1	27	10	50
		57092	93.5-95.0 m	1.5 m	Very broken and bleached core, extensive reddish (hematite stained) veinlets, clay gouge material at 93.7 m.	1	37	3	20
		57093	95.0-96.5 m	1.5 m	Bleached (brownish-green) to very pinkish-red stained core, rubble from 95.3-95.7 m, extensive veinlets with reddish (Fe) boundaries.	1	18	2	20
		57094	96.5-98.0 m	1.5 m	Brownish bleached core, broken, hematite stained, minor brecciation at 97.7 m quartz-carbonate matrix.	3	20	4	30
		57095	98.0-99.5 m	1.5 m	Greenish brown, appears "bleached", "vuggy" quartz-carbonate vein at 99.2 m, vein has caused some brecciation of host dolomite. Lesser amount of hematite staining.	2	37	4	20
		57096	99.5-101.0 m	1.5 m	Very broken (rubble), greenish brown to brownish clay, gouge material at 100.3-100.7 minor hematite staining (reddish color).	5	19	5	130
		57097	101.0-102.5 m	1.5 m	Bleached greenish-brown to 102.0 m, grades into more grayish-green color and does not appear to be bleached. Some hematite staining, veinlets with reddish perimeters.	1	14	3	20
		57098	102.5-104.0 m	1.5 m	Medium gray to greenish-gray, brownish bleached appearance at ~103.5 m, quartz-carbonate veins with reddish stain (hematite appear, minor brecciation along some veins.	2	15	4	30
		57099	104.0-105.5 m	1.5 m	Grayish color but majority is bleached brownish-green, quite extensively fractured and quartz-carbonate veined, veins show Fe staining.	3	26	6	50
		57100	105.5-107.0 m	1.5 m	Grayish-green to greenish-brown, appears bleached, hematite present, quartz-carbonate veins and veinlets, brecciation along major veins, veins are Fe stained.	1	26	4	60

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
31.4-117.9m	cont'd								
		57201	107.0-108.5 m	1.5 m	Medium gray with patches of greenish-brown bleaching, vuggy quartz-carbonate which is Fe-stained, minor brecciation along some veins, veins are Fe stained.	4	15	2	30
		57202	108.5-110.0 m	1.5 m	Greenish-gray to light brown, mostly "bleached" appearance, cut by qtz-carbonate veins and fractures, some Fe in veins.	1	17	7	60
		57203	110.0-111.5 m	1.5 m	Gray to gray-green, patchy brownish bleaching, Fe stained (hematite) quartz-carbonate veins.	2	15	6	50
		57204	111.5-113.0 m	1.5 m	Gray to gray-green, patchy bleaching (alteration), vuggy quartz-carbonate veins with hematite in veins also.	4	17	5	40
		57205	113.0-114.5 m	1.5 m	Gray-green, appears bleached, extensive Fe stained quartz-carbonate veinlets, very broken and gouge material at 114.3 m.	4	23	4	30
		57206	114.5-116.0 m	1.5 m	Green-gray to light brown, bleached, fault gouge at 114.5-115.0 m and 115.8 m, minor hematite, minor veins and fractures.	3	16	1	20
		57207	116.0-117.0	1.0 m	Green-gray to brownish, some bleaching, Fe-stained fractures and veins, gouge at 116.3 offset on fractures of 3-4 mm, minor hematite.	4	25	6	20
		57208	117.0-117.9 m	0.9 m	Gray to green-gray, hematite, Fe stained quartz-carbonate fractures.	5	26	7	50
117.9m	END OF HOLE								

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-16 PAGE: 1

COMMENCED: February 18, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 19, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: Tom Weslowski LOCATION: Stone Farm LENGTH: 90.5 m
DATE LOGGED: CO-ORD.: 5449800N, 614760E CORE SIZE: NQ
ELEV.: 1070 m % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION			ANALYSIS Au	Ba	Cu	Hg
0.0-16.4m		OVERBURDEN/CASING						
16.4-90.5m		QUARTZITE/CALCAREOUS & SILTY Core is very hematite stained giving it a very purplish tint, this varies from a very light purplish-gray to a much deeper purple. Brownish stained areas occur throughout, stained areas are either along preferential bedding surfaces or adjacent to fractures. Grain size varies from coarse sand size particles to silt size. The finer silt beds are interbedded with the coarser sands. Bedding is at 25-35° to c/a. Core is cut by "vuggy" quartz-carbonate veins. Fractures also cut core with some fractures filled with quartz-carbonate and chlorite. The chlorite usually occurs on the outer boundaries of the quartz-carbonate fractures. Some fractures show a Fe stain perimeter, possibly from surface weathering. Bedding varies also from thick more coarse beds to thin bedded, thin laminated finer grain material. Algal stromatolites are present in sections of core also. These tend to be cream colored with greenish interstitial chloritic material. The stromatolites have been silicified.						
Samples:	57209	16.4-18.0 m	1.6 m	Medium gray to pinkish gray, thin beds, thin laminated, minor fracturing with qtz-carbonate & chlorite	1	1849	5	20
	57210	18.0-19.5 m	1.5 m	Medium purplish tint, thin bedded, thin laminated, some Fe stained beds, fractured minor chlorite along fractures, medium - coarse grained and fairly siliceous.	1	816	1	10
	57211	19.5-21.0 m	1.5 m	Large greenish sediment clast at top of sample, some more calcareous material at 19.9 m which is more of a pinkish color with some chlorite included. Some Fe stained beds.	1	1692	3	10
	57212	21.0-22.5 m	1.5 m	Siliceous, purplish hematite stained, brownish Fe stained beds, coarse grained, qtz-carbonate fractures with chlorite.	3	1472	2	30
	57213	22.5-24.0 m	1.5 m	Coarse grained, siliceous, band (beds) of more chloritic material, also some Fe staining, fractures with chlorite & qtz-carbonate.	1	675	2	10
	57214	24.0-25.5 m	1.5 m	Purplish color with Brownish beds, some brownish beds have chlorite associated with them, fractured with Fe staining also along fractures, medium-coarse grained and siliceous.	1	86	1	20
	57215	25.5-26.7 m	1.2 m	Purplish to medium gray, fractured, siliceous.	3	59	5	20
	57216	26.7-27.0 m	0.3 m	"Vuggy" Fe stained quartz-carbonate vein.	1	120	3	60
	57217	27.0-28.5 m	1.5 m	~0.7 m core recovered, very broken core, small quartz vein at 28.0 m with some chl.	1	72	2	50
	57218	28.5-30.0 m	1.5 m	Medium gray to light purple (hematite stained), very broken, clay material and chlorite along fractures. Siliceous except for small bed near 30.0 m, includes Fe stained chloritic clast at 29.9 m.	1	121	4	80
	57219	30.0-31.5 m	1.5 m	Purplish tint, very broken, very Fe stained along fractures with chlorite, siliceous.	1	1213	4	40

FOOTAGE FROM	TO		DESCRIPTION			ANALYSIS Au	Ba	Cu	Hg
16.4-90.5m	cont'd								
		57220	31.5-33.0 m	1.5 m	Purplish tinted, siliceous, extensvie Fe staining around fractures, possibly from surface waters.	2	1390	4	80
		57221	33.0-34.5 m	1.5 m	Medium-coarse grain, purplish, minor Fe stained beds, siliceous, chlorite along fractures and in minor amounts with Fe stained beds. Fe stained beds tent to be more calcareous.	1	192	2	30
		57222	34.5-36.0 m	1.5 m	Grades from coarse at top of sample to thin bedded thin laminated lower, small Fe stained chloritic clasts, calcareous segment at ~35.0 with chlorite also, 35.0-36.0 m tends to be more very fine grained sands. Calcareous section may be poorly developed algal stromatolite.	2	152	1	20
		57223	36.0-37.5 m	1.5 m	Purplish tinted, more very fine grained silts and fine-medium grained sandy beds, small calcareous unit (possible poorly developed stromatolite) with some chlorite	1	163	1	10
		57224	37.5-38.2 m	0.7 m	Very Fe stained porous quartz-carbonate section, minor brecciation along vein.	1	928	1	300
		57225	38.2-39.0 m	0.8 m	Very Fe stained porous vuggy qtz-carbonate into coarse pinkish-purple quartzite at 38.7 m, brecciation along vein.	1	682	1	280
		57226	39.0-39.5 m	0.5 m	Fe stained, porous, qtz-carbonate, leached.	3	2155	2	420
		57227	39.5-40.5 m	1.0 m	Light pink to gray, medium coarse grain, very broken, chlorite alteration along fractures, very Fe stained dark brown band at 40.2 m.	1	1710	1	60
		57228	40.5-41.0 m	0.5 m	Broken core, fault gouge, clay material, chloritic.	6	1809	2	20
		57229	41.0-42.5 m	1.5 m	Light gray, faint purplish tint, medium-coarse grain, siliceous, fractured along c/a.	1	1959	1	20
		57230	42.5-44.0 m	1.5 m	Medium gray to purple (hematite stain), medium-coarse grain, chloritic, gouge material at 43.8 m, qtz-carbonate fractures with chlorite.	1	1934	2	30
		57231	44.0-45.5 m	1.5 m	Gray to purplish color, some brownish carbonate beds, medium-thick bedded, some silty beds also very fine to coarse grained quartz-carbonate chloritic fractures.	1	1777	1	50
		57232	45.5-47.0 m	1.5 m	Qtz-carbonate algal stromatolites 46.3-47.0 cream to pink colored, interestitial chl.	2	1476	2	80
		57233	47.0-48.5 m	1.5 m	Purplish (hematite) color, very fine silts to coarse sands. Some brownish colored bands, several fractures have broken areas around them.	1	98	1	10
		57234	48.5-50.0 m	1.5 m	Algal stromatolites 49.1-50.0 m, calcareous interstitial chlorite, cream colored.	1	1685	1	20
		57235	50.0-51.5 m	1.5 m	Algal stromatolites 50.0-50.2 m, greenish colored siliceous bed 50.2-51.0, quartz pods at ~50.5 m, extensive bed of chlorite alteration at 51.3 m.	1	1648	1	10
		57236	51.5-53.0 m	1.5 m	Gray-green to very purplish color, 52.2-52.5 m seems to be lighter pink in color, more silicified and has more chlorite in vein type structures-remainder is quartzite	1	1819	2	10

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	
16.4-90.5m	cont'd								
		57237	53.0-54.5 m	1.5 m	Algal stromatolites (53.3-54.5) silicified, cream to light purplish color, interstitial and has more chlorite in vein type structures, remainder is quartzite.	1	844	1	40
		57238	54.5-56.0 m	1.5 m	Stromatolites (calcareous) mixed with quartzites, quartzites more brownish color coarse grained, stromatolites are very fine grained qtz-carbonate with interstitial chlorite.	1	1363	1	50
		57239	56.0-57.5 m	1.5 m	Purplish color, some lighter brownish bands as well as some lighter pink qtz-carbonate beds, quartz-carbonate fractures.	2	1703	1	20
		57240	57.5-59.0 m	1.5 m	Purplish color, light brown beds coarse grained, disseminated chlorite as well as veinlets in more calcareous beds.	1	1839	2	30
		57241	59.0-60.5 m	1.5 m	Purple quartzite 59.0-59.4 m, then algal stromatolites to 60.5 m, stromatolites are cream color to cream with purplish tint, interstitial chlorite.	2	1270	1	10
		57242	60.5-61.9 m	1.5 m	0.5 m (60.5-61.0) algal stromatolites cream colored, interstitial chlorite, grade into purplish tint quartzite.	1	1634	1	20
		57243	61.9-63.0 m	1.1 m	Purplish tint, thin bedded, thin laminated, calcareous, fractured.	1	202	1	30
		57244	63.0-64.5 m	1.5 m	Purplish tint, thin bedded, thin laminated, 63.4-63.7 patch brown leached area (very porous), algal stromatolite section starts at 64.1-64.5 m, stromatolites have interstitial chlorite.	1	218	1	10
		57245	64.5-66.0 m	1.5 m	Algal Stromatolites and at 64.6 m, 64.6-65.5 m very coarse grained, greenish to light brown quartzite. 65.5-66.0 pinkish-purple color, thin bedded, thin laminated, cut by qtz-carbonate chloritic veins at right angles to bedding, more calcareous	1	1736	1	30
		57246	66.0-67.5 m	1.5 m	Very purplish color (hematite), thin bedded thin laminated, bedding at ~30° to c/a, minor amount of qtz-carbonate veinlets.	1	127	1	20
		57247	67.5-69.0 m	1.5 m	Medium purple to light pinkish-purple (hematite), thin bedded, thin laminated, 67.8-68.3 appears to be area of poorly developed stromatolites, quite distorted laminations. Core is cut by small quartz-carbonate veinlets.	3	158	1	10
		57248	69.0-70.5 m	1.5 m	Thin bedded, thin laminated, very fine grained, small sections of lighter cream colored to brownish bands which tend to be calcareous with chloritic qtz-carbonated veinlets minor (1-5 cm) offset on some veinlets.	1	61	1	30
		57249	70.5-72.0 m	1.5 m	Light cream colored to pinkish-purple, "pods" of very fine replacement grained silica with coarse grained siliceous matrix Quartz-carbonate chloritic veins and some Fe stained veins of quartz-carbonate.	1	1627	1	90

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FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
		57250	72.0-73.5 m	1.5 m	Purplish tint, thin bedded, thin wavy lams offset on lams by veinlets (1-5 cm) very fine grained dark bands with lighter more siliceous areas.	2	608	1	60
		57251	73.5-75.0 m	1.5 m	Cream colored to pinkish quartzite, lams grade into coarse siliceous material with very fine grained quartz "pods" replacement back into laminations at ~74.5 m, cut by chloritic qtz-carbonate veins.	1	1683	1	70
		57252	75.0-76.5 m	1.5 m	Purplish tint, thin bedded, thin broken and deformed laminations, becomes very fine grained and quite siliceous at 76.3 m. Qtz-carbonate chloritic veins intersect core. Siliceous material is probably a replacement feature.	3	79	1	60
		57253	76.5-78.0 m	1.5 m	Very fine grained cream to pinkish, cut by chloritic quartz-carbonate chloritic veins minor Fe (brownish) staining.	3	169	1	150
		57254	78.0-79.5 m	1.5 m	Pinkish color, very fine grained, thin beds thin laminations, high silica content, (ie. silicification).	2	84	1	100
		57255	79.5-81.0 m	1.5 m	Various shades of purplish tint (hematite) to dark gray, high in silica, cut by chloritic quartz-carbonate veins, some offset on veins (1-3 cm).	1	63	1	220
		57256	81.0-82.5 m	1.5 m	Purplish color, thin bedded, thin laminated some orientation of hematite (?) in certain bands. Fe stained quartz-carbonate veins.	2	65	1	80
		57257	82.5-84.0 m	1.5 m	Purplish color, thick bedded very coarse grained sediments at top 82.7-83.0 m grade into very fine sediments then into cream colored band. Cream colored band tends to be fairly siliceous with chloritic quartz-carbonate veins.	1	524	1	140
		57258	84.0-85.5 m	1.5 m	Band of very coarse grained sediments 84.2-84.4 m, core still has purplish hematite stain, very distorted and broken lams at 84.5 m due possibly to veining (vuggy qtz-carbonate chloritic veins). 85.1-85.5 m cream (slight purple tint) color "pods" of fine-grained silica-carbonate, chlorite veins.	1	1152	1	380
		57259	85.8-87.0 m	1.5 m	Thin bedded, thin laminated purple tint 85.7-86.0 m, broken brecciated contact at 86.0 m, into gray-green to brownish coarse grained quartzite, becomes fine grained again at 86.0 m.	1	1762	1	200
		57260	87.0-88.5 m	1.5 m	Broken bedding and coarse grained section from 87.1-87.4 m, grades into medium-dark gray silts and coarse sands, dark color partly from hematite, sediments tend to be quite hard and siliceous.	1	600	1	20
		57261	88.5-89.5 m	1.0 m	Medium to dark gray, medium-coarse grained, quite siliceous, broken & brecciated vein at 89.0 m, some Fe staining along fractures	1	252	2	40
		57262	89.5-90.5 m	1.0 m	Medium to dark gray, slight purplish tint, medium-coarse grained, siliceous.	1	107	1	30
90.5m		END OF HOLE							

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-17 PAGE: 1

COMMENCED: February 20, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @: None
COMPLETED: February 21, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: P. Klewchuk LOCATION: Gold Mtn. Face Rd. LENGTH: 100.6 m
DATE LOGGED: March 7, 1990 CO-ORD.: 5443090N, 62160E CORE SIZE: HQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0	2.1m	CASING - no core.							
2.1	19.1m	SILTSTONE, SILTY DOLOMITE, minor SILTY QUARTZITE Buff-yellow-brown-orange colored, locally pink. Variably brecciated with clay alteration in zones of more intense breakage. Laminated to medium thick bedded; short sections may be stromatolitic. Brownish dendritic pyrolusite is developed adjacent to healed fractures throughout the interval. Fine disseminated pyrite and thin quartz filled fractures occur through much of the interval.							
		Sampling: 49915	2.1-3.7 m	1.5 m	Broken rubbly core ~70 cm recovered.	3	56	52	140
		49916	3.7-5.2 m	1.5 m	Broken rubbly core ~50 cm recovered.	1	83	115	80
		49917	5.2-6.7 m	1.5 m	Broken rubbly core ~1.0 m recovered.	1	50	3	70
		49918	6.7-8.2 m	1.5 m	Pastel green & pink colored siltstone, Mn-staining.	1	765	6	90
		49919	8.2-10.1 m	1.9 m	Limonitic discoloration, silty quartzite sections.	1	1616	5	130
		49920	10.1-11.3 m	1.2 m	Broken core, reddish discoloration, some argillic fault breccia and gouge.	1	1182	4	80
		49921	11.3-12.8 m	1.5 m	Buff-pink silty dolomite, local brecciation with reddish hematite.	1	63	12	180
		49922	12.8-14.7 m	1.9 m	Very weakly bx dolomitic siltstone.	3	1829	7	460
		49923	14.7-15.3 m	0.6 m	More broken, bx core strong yellow, pink oxidation.	1	676	2	220
		49924	15.3-16.5 m	1.2 m	Brecciated stromatolitic silty dolomite.	1	1006	8	160
		49925	16.5-17.8 m	1.3 m	Brecciated silty dolomite, pinkish hematitic veins.	1	1176	11	210
		49926	17.8-19.1 m	1.3 m	Brecciated silty dolomite, pinkish hematitic veins.	1	1503	6	260
19.1	29.3m	QUARTZITE Gray-green to lavender-green colored, generally laminated and thinly banded but with indistinct bedding lanes; individual 'beds' may be quite thick. Parts of the interval are quite strongly brecciated with clay-altered matrix, stained with pink hematite. Dark brown limonitic spots are fairly common and may represent oxidized sulfides.							
		Sampling: 49927	19.1-20.4 m	1.3 m	Broken core, minor patchy red-brown iron oxidation.	1	366	4	240
		49928	20.4-21.9 m	1.5 m	Broken core, minor patchy red-brown iron oxidation.	1	818	3	110
		49929	21.9-23.2 m	1.3 m	Broken, brecciated core; minor fault zone with clay gouge, hematite.	1	3687	3	30
		49930	23.2-24.7 m	1.5 m	Quite massive, competent, internally laminated quartzite.	1	462	2	20
		49931	24.7-26.3 m	1.6 m	Fractured quartzite, limonitic fractures.	1	731	2	60
		49932	26.3-27.8 m	1.5 m	Brecciated, lavender-green colored, clay matrix zones sub-parallel to c/a.	1	80	4	20
		49933	27.8-28.9 m	1.1 m	Massive, internally laminated quartzite.	1	147	5	70
		49934	28.9-29.3 m	0.4 m	Brecciated, limonitic clay matrix, hematite.	2	67	2	60
29.3	34.0m	DOLOMITE Buff to light brown with light purple banding locally. Bottom 2 m are stromatolitic. Variably brecciated (& healed) throughout; fractures have chlorite, sericite and quartz. Patches of milky-white fine-grained silica may be sedimentary chert. Bedding at 40-50° to c/a.							

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
29.3-34.0m		cont'd							
		Sampling: 49935	29.3-30.3 m	1.0 m	Healed breccia, darker brown.	1	168	2	100
		49936	30.3-30.9 m	0.6 m	Laminated, purple and buff-brown alternating bands.	1	61	3	50
		49937	30.9-32.0 m	1.1 m	Healed breccia, probable stromatolites.	4	61	3	40
		49938	32.0-33.2 m	1.2 m	Healed breccia, probable stromatolites.	1	43	1	20
		49939	33.2-34.0 m	0.8 m	Darker brown, small stromatolitic structures weakly bx.	1	249	2	70
34.0-38.3m		QUARTZITE, FAULT ZONE AT 35.5 m							
		Light brown, transitional downward to gray-green color, quite massive, fine grained 35.4 to 35.7 is broken, brecciated with argillic fault gouge. 35.7 to 36.0 is rubbly gray-green quartzite, not obviously brecciated.							
		Sampling: 49940	34.0-35.4 m	1.4 m	Massive quartzite	1	139	3	20
		49941	35.4-36.0 m	0.6 m	Fault zone broken, brecciated core, argillic matrix.	1	81	2	20
36.0-39.0m		BRECCIATED SILTY DOLOMITE							
		Limonitic brown colored with yellow-pink breccia matrix. Small stromatolitic structures (1-1.5 cm across) are common. Core is quite competent; breccia is fairly well healed.							
		Sampling: 49942	36.0-37.5 m	1.5 m		1	251	1	100
		49943	37.5-39.0 m	1.5 m		1	331	1	230
39.0-77.4m		QUARTZITE AND SILTSTONE, very minor DOLOMITIC SILTSTONE							
		Fairly massive gray green and whitish quartzites to laminated purple-brown siltstones and silty quartzites. Brecciation is common with narrow minor fault zones and associated argillic alteration common. Fractures are commonly chloritic and broken zones tend to be hematitic. A few quartz veins with limonitic spotting and chloritic fracturing are present							
		Sampling: 49944	39.0-40.5 m	1.5 m	Broken core, argillic gouge, purple-gray color; gray-green quartzites.	1	79	3	30
		49945	40.5-42.0 m	1.5 m	Gray-green quartzite, patchy brown limonite alteration, calcareous.	1	226	3	50
		49946	42.0-43.3 m	1.3 m	Massive to fractured gray-green quartzite; limonite & specular hematite on fractures.	1	107	3	40
		49947	43.3-43.7 m	0.4 m	Broken core, argillic matrix; specular hematite on fractures.	1	109	2	30
		49948	43.7-45.1 m	1.4 m	Massive quartzite, broken core.	1	139	2	40
		49949	45.1-46.2 m	1.1 m	Fault zone, broken brecciated core; pink, purple discolored, minor thin quartz veins.	1	98	2	20
		49950	46.2-48.0 m	1.8 m	Massive purplish, gray-green quartzite.	1	102	3	30
		49951	48.0-48.1 m	0.1 m	Quartz vein 30° to c/a, chloritic veins, limonite spots.	3	178	5	50
		49952	48.1-49.6 m	1.5 m	Broken core purple-gray quartzite, minor brecciation with gray-green clay gouge.	1	62	2	10
		49953	49.6-51.1 m	1.5 m	Broken core purple-gray quartzite, minor brecciation with gray-green clay gouge.	1	50	1	10
		49954	51.1-52.8 m	1.7 m	0.8 m recovered, brecciated with thin quartz veins, patchy limonitic alteration, local crushed core.	2	275	1	130
		49955	52.8-54.0 m	1.2 m	Laminated and thin bedded purple siltstone and silty quartzite. Bedding at 50° to c/a.	1	176	1	30
		49956	54.0-55.3 m	1.3 m	Laminated and thin bedded purple siltstone and silty quartzite. Bedding at 50° to c/a.	1	173	1	20
		49957	55.3-56.6 m	1.2 m	Massive gray-green to limonite-altered quartzite.	3	296	1	110
		49958	56.6-56.7 m	0.1 m	Brecciated quartz vein, limonitic patches.	1	62	2	40
		49959	56.7-58.2 m	1.5 m	Massive quartz vein, limonitic patches.	1	64	1	20

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
39.0-77.4m		cont'd							
		49960	58.2-60.0 m	1.8 m	~80 cm recovered; mislatch massive purple-gray quartzite.	2	65	4	10
		49961	60.0-61.5 m	1.5 m	Massive purple-gray quartzite.	1	103	1	10
		49962	61.5-63.0 m	1.5 m	Massive to laminated quartzite, purple-green brown.	1	123	1	20
		49963	63.0-64.4 m	1.4 m	Massive to laminated quartzite, 40 cm of banded silty dolomite, brown-pink colored.	1	167	2	130
		49964	64.4-65.8 m	1.4 m	Laminated purple siltstone.	1	212	1	60
		49965	65.8-67.0 m	1.2 m	Brown limonitic altered quartzite. Healed breccia with thin quartz veins.	1	299	1	130
		49966	67.0-68.2 m	1.2 m	Brown limonitic altered quartzite. Healed breccia with thin quartz veins.	1	100	2	190
		49967	68.2-69.4 m	1.2 m	Lighter brown quartzite, mottled pink alteration (?).	1	166	1	40
		49968	69.4-70.8 m	1.4 m	Fault at 69.7, broken core, clay gouge; quartzite is pink to purple altered.	1	83	2	50
		49969	70.8-72.7 m	1.9 m	Massive to laminated green-purple-brown quartzite. Bedding at 65-70° to c/a.	1	114	1	30
		49970	72.7-74.0 m	1.3 m	Brownish limonitic to purple banded quartzite, siltstone & dolomitic siltstone.	1	119	1	40
		49971	74.0-75.4 m	1.4 m	Similar to above, bedding at 70° to c/a.	1	119	1	30
		49972	75.4-77.4 m	2.0 m	Fault zone, broken quartzite mixed with purple-pink clay fault gouge. est. 1 m core loss.	1	102	2	30
77.4-100.6m		SILTSTONE, SILTY DOLOMITE, minor QUARTZITE Light brown-gray to mainly dark purple and pink colored. Laminated to medium thick bedded. Some quartzites may be thick bedded (internally laminated). Dolomitic sections tend to be finely laminated and may be stromatolitic. Bedding at 77.4 m is at 25° to c/a (drag folding on fault at 77.4 m) but most of the interval is at 60° to 75° to c/a.							
	Sampling:	49973	77.4-78.9 m	1.5 m	Purple to light tan colored siltstone, laminated and thin bedded.	1	74	1	40
		49974	78.9-80.4 m	1.5 m	Mixed quartzite and siltstone, healed brecciation, chloritic fractures.	1	174	1	30
		49975	80.4-81.4 m	1.0 m	Laminated purple and tan siltstone and dolomitic siltstone.	1	78	1	20
		49976	81.4-82.4 m	1.0 m	Similar to above.	2	75	1	50
		49977	82.4-83.5 m	1.1 m	Healed breccia of laminated pink to light purple silty dolomite. Minor oolitic bands, some stromatolitic structures. Silicified with quartz-chlorite-sericite on fractures.	1	50	1	40
		49978	83.5-84.9 m	1.4 m	Massive light brown to pink-purple quartzite	2	48	1	30
		49979	84.9-86.4 m	1.5 m	Laminated purple dolomitic siltstone.	1	49	1	10
		49980	86.4-87.9 m	1.5 m	Laminated purple dolomitic siltstone.	1	87	1	10
		49981	87.9-89.4 m	1.5 m	Similar to above, chloritic fractures.	1	58	1	20
		49982	89.4-90.3 m	0.9 m	Pink to purple dolomite chloritic fractures mottled, healed breccia texture. 40 cm core loss at 90.3 m in this interval.	1	30	1	20
		49983	90.3-91.3 m	1.0 m	Siliceous mottled dolomite and light gray-brown laminated quartzite. Internally laminated with small white (sedimentary chert ?) clasts. Patches of white milky fine-grained silica at 90.5 m are probably sedimentary chert.	1	25	1	30
		49984	91.3-92.9 m	1.6 m	Pink and purple laminated silty dolomite, chloritic fractures.	1	30	1	20
		49985	92.9-94.6 m	1.7 m	Similar to above.	1	25	1	10

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
77.4-100.6m	cont'd								
		49986	94.6-95.3 m	0.7 m	Massive gray-brown quartzite internally laminated, similar to 90.3-91.3 m.	1	26	1	60
		49987	95.3-96.6 m	1.3 m	Laminated buff to purple dolomitic siltstone	1	59	1	10
		49988	96.6-98.0 m	1.4 m	Laminated and massive purple to buff siltstone and dolomite. Bedding at 50° to c/a.	1	50	1	30
		49989	98.0-99.4 m	1.4 m	Laminated and massive purple to buff siltstone and dolomite. Few chloritic bands.	2	60	1	40
		49990	99.4-100.6 m	1.2 m	Similar to above.	1	36	1	130
100.6m	END OF HOLE								

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-18 PAGE: 1

COMMENCED: February 21, 1990 DISTRICT: Fort Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 22, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: T. Weslowski LOCATION: Gold Mtn. Face Rd. LENGTH: 93.6 m
DATE LOGGED: CO-ORD.: 5444490N, 623120E CORE SIZE: NQ
ELEV.: 960 m % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0-	20.6m	OVERBURDEN/CASING							
20.6-	20.8m	BASALTIC CONGLOMERATE							
		Basic dark green in color. Large dark rounded cobbles of amygdaloidal basalt which have quartz amygdules. Cobbles are up to 5 cm. Matrix is finer basalt material with minor quartz and feldspar. Definite conformable contact with sediments below t ~40° to c/a.							
		Sample: 57263	20.6-20.8 m	0.4 m		2	52	3	40
20.8-	22.0m	TUFFACEOUS SEDIMENTS							
		Very fine to coarse grained. Finer material tends to be lighter gray in color. Coarse material is more of a brownish color and is Fe stained. Bedding is at ~75-80° to c/a. Coarse and fine material are interbedded (thin beds). Cut by quartz-carbonate veins. Veins are Fe stained on perimeters. Lower contact of sediments not seen, broken in core.							
		Sample: 57264	20.8-22.0 m	1.2 m		3	153	2	30
22.0-	25.1m	CONGLOMERATE							
		Pebbles in a predominate green basalt matrix, pebbles are Fe stained, some dark mafic as well as some lighter felsic pebbles. Core is quite broken with some gouge material. Maximum pebble size ~20 cm more fine pebbles than overlying conglomerate. Some larger sedimentary clasts included. Minor amount of quartz veining.							
		Samples: 57265	22.0-23.3 m	1.3 m	~0.9 m recovered, upper contact with sediments not seen, broken material in areas down to clay size, along fractures.	1	113	1	40
		57266	23.3-23.6 m	0.3 m	Large sedimentary clast in conglomerate	2	176	32	20
		57267	23.6-25.1 m	1.5 m	Greenish color predominate in conglomerate, minor veining, quite broken, Fe stained pebbles.	3	100	4	20
25.1-	43.2m	BASALT							
		Dark greenish colored basalt. Basalt is basically massive but does have a "spotty" texture with fine grained basalt surrounding Fe stained porphyroblasts (2-3 cm). Small remnant crystals also are seen in very minor amounts. Cut extensively by quartz-carbonate veins. Veins are Fe stained (ankerite ?) and calcareous in patches throughout. Core is quite broken and fault gouge material is evident in several section of core. Minor occurrence of limonite on some gouge surfaces.							
		Samples: 57268	25.1-25.9 m	0.8 m	Greenish massive basalt, minor Fe stained amygdules (<1%), some micro-fractures clay gouge along some fractures also.	2	96	1	10
		57269	25.9-26.4 m	0.5 m	Basalt with large quartz-carbonate Fe stained vein running approximately parallel to c/a.	1	409	6	20
		57270	26.4-27.2 m	0.8 m	Greenish basalt, 26.4-26.6 gouge material, some quartz veining at 27.1 m.	1	22	3	5
		57271	27.2-28.2 m	1.0 m	Very broken greenish basalt, gouge material.	1	17	3	5
		57272	28.2-29.5 m	1.3 m	Very broken greenish basalt, minor quartz veins at 29.4, some gouge and clay material.	1	29	8	10
		57273	29.5-29.9 m	0.4 m	Fe stained quartz-carbonate vein in massive basalt.	1	43	4	20
		57274	29.9-30.3 m	0.4 m	Greenish basalt.	2	25	2	5
		57275	30.3-30.7 m	0.4 m	Greenish basalt, several small qtz-carbonate veins, Fe stained, calcareous patches, also some gouge material.	1	57	202	10

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
25.1-43.2m	cont'd								
		57276	30.7-31.4 m	0.7 m	Massive greenish basalt, "spotty" texture with Fe stained porphyroblasts in fine basalt matrix, small Fe stained quartz-carbonate vein at 31.4 m.	3	319	199	10
		57277	31.4-32.3 m	0.9 m	"Spotty" basalt, Fe stained porphyroblasts, quite fractured and broken.	1	31	34	5
		57278	32.3-32.5 m	0.2 m	Fe stained (ankerite) quartz-carbonate vein.	2	82	100	10
		57279	32.5-34.2 m	1.7 m	Greenish basalt, "spotty" porphyroblasts texture, fractured with minor quartz veining, some fractures are partially void, Fe staining along fractures, quite broken core in areas, possibly also minor amounts of limonitic along fractures.	1	56	22	5
		57280	34.2-34.5 m	0.3 m	Quartz-carbonate vein, some limonite.	1	49	127	10
		57281	34.5-35.7 m	1.2 m	Broken and fractured basalt, some limonite at 34.8 m with broken gouge material.	1	24	44	5
		57282	35.7-37.2 m	1.5 m	Greenish basalt, minor Fe stained quart-carbonate veins, very broken core, extensive gouge material 6.5-37.0 m.	1	33	19	5
		57283	37.2-38.7 m	1.5 m	Greenish basalt with whitish porphyroblasts, Fe staining along fractures, core still quite broken, small quartz-carbonate Fe-stained vein at 37.4 m.	2	61	41	5
		57284	38.7-40.1 m	1.5 m	Greenish basalt, whitish porphyroblasts in basalt (up to 45%) Fe stained qtz-carbonate fractures, some clastic debris in basalt at 39.9 m, some gouge material also.	1	39	12	5
		57285	40.1-40.3 m	0.2 m	Quartz-carbonate vein, some limonite and some ankerite (Fe stained-calcareous material present in vein).	2	114	43	10
		57286	40.3-41.7 m	1.4 m	Greenish massive basalt, much more brownish in areas, possible leaching or alteration appears to have some Fe staining along fractures, quite broken along certain fractures, with some material very porous (leached).	1	122	36	20
		57287	41.7-43.2 m	1.5 m	Massive greenish basalt, quite fractured, Fe staining on fractures, some quartz-carbonate veining, still appears brownish due to possible leaching or alteration, quite broken by veins near contact with sediments. Lower contact is noticeable and conformable.	3	137	58	10
43.2-55.8m	VOLCANICLASTIC; SILTSTONES & SANDSTONES Mixed very fine grained light to dark gray siltstones and more brownish coarse grained sandstones. Siltstones are medium-thick bedding, thin laminated, sandstones are thick bedded. Sandstones even range up to gravel size particles. Bedding angle is ~20° to c/a. Sediments are quite broken and fractured and are cut by large Fe stained (ankerite) quartz-carbonate veins and stringers. Gouge occurs along some fractures as well as extensive Fe staining along fractures. Several fractures at 43.6 m show possible Hg content as they have a reddish-pink color.								
	Samples:	57288	43.2-43.9 m	0.7 m	Greenish gray to brownish stained, conformable contact with basalt, possibly some Hg along fractures, very reddish color.	1	83	11	10
		57289	43.9-44.6 m	0.7 m	Grayish fine grained siltstone intersected by large patchy Fe stained quartz-carbonate vein also small quartz-veinlets.	1	85	2	5

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
43.2-55.8m		cont'd							
		57290	44.6-45.1 m	0.5 m	Grayish siltstone, quartz fractures and stringers.	1	19	1	5
		57291	45.1-45.8 m	0.7 m	Grayish siltstone, large Fe stained quartz-carbonate vein, some gouge and fractured material. Reddish color on fractures (Hg ?)	1	62	2	5
		57292	45.8-46.6 m	0.8 m	Quartz-carbonate vein, patchy Fe staining (ankerite), minor fractures and quartz stringers.	1	84	1	10
		57293	46.6-47.6 m	1.0 m	Pale green-gray siltstones interbedded with brownish colored sandstones, fairly broken, with quartz fractures.	2	31	1	5
		57294	47.6-47.9 m	0.3 m	Quartz-carbonate vein, reddish along fractures (Hg ?)	6	43	2	10
		57295	47.9-49.0 m	1.1 m	Grayish-green siltstone, occasional coarser sands, quite broken and fractured, reddish along fractures.	1	20	1	20
		57296	49.0-50.0 m	1.0 m	Grayish-green silts with interbedded brownish colored sandstones, fairly broken, with quartz fractures.	3	26	2	5
		57297	50.0-51.0m	1.0 m	Grayish siltstone mixed with brownish sandstone; very broken and fractured, reddish-pink color (Hg ?) along fractures.	1	90	6	10
		57298	51.0-52.0 m	1.0 m	All broken and fractured, some reddish-pink discoloration, some clay material, mostly grayish siltstones.	3	60	3	5
		57299	52.0-53.0 m	1.0 m	Medium to dark gray siltstones, mixed with brownish sandstones, broken and fractured, some clay and gouge at 52.2 m. Minor reddish color on fractures.	1	50	2	5
		57300	53.0-54.3 m	1.3 m	Grayish silts and brownish sands, very broken and fractured, more of a brownish Fe stain on fractures.	1	70	3	10
		57301	54.3-55.8 m	1.5 m	Grayish siltstones and brownish sandstones, quite broken and gouge, conformable contact contact with volcanics at 55.8 m.	5	84	1	5
55.8-68.6m		ALTERED AMYGDALOIDAL BASALT							
		Amygdaloidal basalt which has a very brownish color (overprinting ?) to it. Brownish color appears to be as a result of some alteration or possibly weathering. Basalt is fine grained with its original color not easily determined, possibly grayish to gray-green. Amygdules are lighter whitish quartz-carbonate infilled, some greenish amygdules (chlorite ?) or Fe stained and infilled with limonite. Some amygdules are quite porous indicting possible leaching or alteration of the vesicules. Basalt is dissected by quartz-carbonate veins and stringers. Areas are quite broken with gouge material also present. Underlying basalt is essentially same composition only it does not show the brownish stain or Fe stain amygdules.								
		Samples: 57302	55.8-56.0 m	0.2 m	Contact with sediments, one small quartz-carbonate vein, brownish stained.	1	134	2	10
		57303	56.0-57.5 m	1.5 m	Green-grayish color but Fe stained, amygdules are mostly limonite (Fe colored & brownish) small quartz-carbonate vein at 57.0 m.	2	101	1	10
		57304	57.5-59.0 m	1.5 m	Grayish-green to purple (hematite), Fe stained. Amygdules are limonite & quartz with minor chloritic also. Broken with gouge along some fractures, some quartz-carbonate veining.	2	161	1	5

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
55.8-68.6m		cont'd							
		57305	59.0-60.5 m	1.5 m	Greenish-gray to purple (hematite) but strong Fe staining, Amygdules are limonite quartz and chlorite and combinations of all the mentioned, quite broken and fractured from 59.5-60.5. Very porous (leached) section from 60.0-60.5 m.	4	337	6	10
		57306	60.5-62.0 m	1.5 m	Greenish but very strong Fe stain (brown), minor quartz-carbonate veins and micro-fractures, limonite, quartz and chlorite amygdules.	1	364	1	5
		57307	62.0-63.5 m	1.5 m	Strongly Fe stained, quite broken and fractured, amygdules are limonite, quartz & chlorite and combinations. Limonite seems to be in center of amygdules most when in combination, some limonite amygdules are very porous (leached). Minor gouge material.	4	360	1	20
		57308	63.5-65.0 m	1.5 m	Dark gray to gray-green, strongly Fe stained gouge material at 63.7 and 64.9 m, limonite quartz and chlorite amygdules.	2	384	4	30
		57309	65.0-66.2 m	1.2 m	Dark gray (?) very strong Fe overprinting, quite broken, gouge material at 65.7 m, limonite chlorite and quartz amygdules.	5	373	4	40
		57310	66.2-67.4 m	1.2 m	Fe stained, broken, limonitic amygdules, dark green chloritic amygdules.	2	267	6	20
		57311	67.4-68.6 m	1.2 m	Fe stained, broken, porous limonite amygdule quartz & chlorite amygdules also. Some broken gouge material at 68.6 m, Fe over-printing stops at ~68.6 m.	2	216	3	10
68.6-87.5m		AMYGDALOIDAL BASALT							
		Gray-green to dark gray color, no brownish Fe staining or overprinting as above sequence. Fine grained. Amygdules are brownish limonite, white quartz carbonate and a darker green chlorite. The amygdules also show combinations of all the above mentioned. Brownish material is also calcareous (ankerite) in places. Basalt is cut by smaller qtz-carbonate stringers. Core is fairly broken with gouge material at certain places. Distinct very fine grained (clayish) baby blue material along fractured surfaces (?).							
		Samples: 57312	68.6-70.0 m	1.4 m	Dark gray, quartz, chlorite and Fe stained limonite amygdules. Minor quartz-carbonate veining.	2	57	3	5
		57313	70.0-71.5 m	1.5 m	Greenish gray to dark gray, gouge at 70.4 m, possibly Hg in amygdule at 70.1 m. Quartz-carbonate veins, minor amount. Has slight Fe stained overprinting. Quartz, limonite and chlorite amygdules.	3	109	2	10
		57314	71.5-73.0 m	1.5 m	Very broken core, drk gray color, quartz, limonite, chlorite amygdules, some quartz-carbonate veining at 72.7 m with minor hematite in vein.	4	63	17	10
		57315	73.0-74.5 m	1.5 m	Dark gray, very broken, some gouge, some hematite (reddish-brown) staining, quartz-carbonate and chlorite amygdules. Also some limonite amygdules.	1	60	5	5
		57316	74.5-76.0 m	1.5 m	Dark gray, quartz-carbonate, limonite, chlorite amygdules, some hematite in amygdules also, blue fractures.	1	165	7	5
		57317	76.0-77.5 m	1.5 m	Dark gray, amygdules as above, bluish fine grain material in fractures.	3	85	2	10

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
68.6-87.5m		cont'd							
		57318	77.5-79.0 m	1.5 m	Gray-green to dark gray, gouge at 78.8 m, reddish-brown (hematite) in amygdules along with quartz-carbonate and chlorite, core is quite broken.	1	62	2	5
		57319	79.0-81.4 m	2.4 m	~1.2 m core recovered, green-gray amygdaloidal basalt, bluish material on fractures.	1	61	4	10
		57320	81.4-82.0 m	0.6 m	Amygdaloidal basalt, minor quartz-carbonate veining.	2	68	6	5
		57321	82.0-83.5 m	1.5 m	Very reddish-brown-amygdules at 82.4 m, possible Hg (?)	1	150	3	10
		57322	83.5-85.0 m	1.5 m	Very broken core, grayish color, amygdaloidal basalt, very minor quartz - carbonate stringers, bluish material on fractures.	2	53	2	5
		57323	85.0-86.5 m	1.5 m	Green-gray, decrease in percentage of amygdules (close to more massive basalt).	6	103	2	5
		57324	86.5-87.5 m	1.0 m	Green-gray, very Fe stained fracture at 87.2 m, minor amount of amygdules only.	3	115	2	5
87.5-93.6m		BASALT							
		Medium-coarse grained, greenish-gray basalt. Shows Fe stained grains possibly from some sort of overprinting. Cut by quartz-carbonate veins and stringers. Bluish-fine grained material on fractures.							
		Note: Bluish material along fractures may be chrysocolla.							
		Samples: 57325	87.5-90.0 m	1.5 m	Greenish gray basalt, fairly broken, quartz-carbonate veining, some gouge, Fe over-printing. Large quartz-carbonate vein, Fe stained (ankerite), run ~ parallel to c/a, cut off by gouge at 90.6 m.	4	128	3	10
		57326	90.0-92.1 m	1.5 m	Greenish gray, gouge at 90.6 and 92.0 m, fairly broken, bluish material on fractured surfaces, some quartz veins.	1	2211	6	130
		57327	92.1-93.6 m	1.5 m	Greenish-gray basalt, quartz-carbonate veins and stringers.	2	96	3	10
93.6m		END OF HOLE							

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-19 PAGE: 1

COMMENCED: February 24, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 25, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: T. Weslowski LOCATION: Gold Mtn. Face Rd. LENGTH: 172.9 m
DATE LOGGED: CO-ORD.: 5441800N, 622400E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0-18.0m		OVERBURDEN/CASING							
18.0-69.8m		BASALT							
		Dark green, fine grained (massive), fractured, fractures have a very brownish stain (possibly) manganese or Fe), stain also possible due to surface weathering. Minor "pods" of isolated mineralization <1% of core, pyrite, secondary. Cut by "vuggy" Fe stained qtz. veins. Quartz veinlets and stringers are also seen. Minor porphyroblasts and clasts, (magnetite). Some specular hematite. Appears to be some chlorite alteration, areas of coarse feldspar phenocrysts.							
		Samples: 57329	18.0-18.6 m	0.6 m	Greenish massive basalt, two vuggy quartz veins also.	1	32	1	10
		57330	18.6-19.1 m	0.5 m	Greenish massive basalt.	2	47	1	30
		57331	19.1-19.3 m	0.2 m	Vuggy quartz vein. ~45° to c/a.	1	39	2	10
		57332	19.3-20.5 m	1.2 m	Greenish basalt, brownish fractures (weathering ?), minor secondary pyrite (<1%) mineralization.	3	128	5	20
		57333	20.5-22.0 m	1.5 m	Greenish massive basalt, brownish (weathered) fractures.	1	63	19	10
		57334	22.0-23.5 m	1.5 m	Greenish massive basalt, one minor quartz vein at 22.8 m with minor amount of clay material.	2	76	23	40
		57335	23.5-25.0 m	1.5 m	Massive greenish basalt, quite fractured and broken, brownish stain on fractures.	1	71	14	10
		57336	25.0-26.5 m	1.5 m	Massive greenish basalt, magnetic, fractured with stain on fractures.	1	71	22	20
		57337	26.5-28.0 m	1.5 m	Massive greenish basalt, fractured.	1	61	7	10
		57338	28.0-29.5 m	1.5 m	Massive greenish basalt.	2	55	12	10
		57339	29.5-31.0 m	1.5 m	Massive greenish basalt, minor (<1%) whitish clasts, fractured.	1	72	9	20
		57340	31.0-32.5 m	1.5 m	Greenish basalt, possible limonite (Fe stain) on fractures, small Fe stained quartz veinlet.	1	251	6	20
		57341	32.5-34.0 m	1.5 m	Greenish basalt, quite broken & fractured brownish along fractures.	1	51	6	10
		57342	34.0-35.5 m	1.5 m	Greenish basalt, minor Fe stained quartz veins, Fe stained fractures, magnetic.	1	62	15	10
		57343	35.5-36.3 m	0.8 m	Greenish basalt, massive.	1	122	7	5
		57344	36.3-36.5 m	0.2 m	Several small Fe stained quartz veins, Fe stained fractures, magnetic.	1	97	15	20
		57345	36.5-37.5 m	1.0 m	Massive basalt.	2	69	27	5
		57346	37.5-38.5 m	1.0 m	Massive greenish basalt with vuggy Fe stained quartz vein at 38.2 m.	1	48	38	5
		57347	38.5-40.0 m	1.5 m	Massive greenish basalt, Fe (brownish) fractures, broken core.	1	78	17	5
		57348	40.0-41.5 m	1.5 m	Massive greenish basalt.	1	105	17	10
		57349	41.5-43.0 m	1.5 m	Basalt, small quartz vein at 42.8 m, quite broken at 42.8 m also some clay material.	1	188	26	5
		57350	43.0-44.5 m	1.5 m	Massive greenish basalt, minor qtz vein, Fe stained and vuggy.	1	57	16	5
		57551	44.5-46.0 m	1.5 m	Massive greenish basalt, coarse feldspar phenocrysts, Fe fractures,minor qtz veins	2	325	37	20

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
18.0-69/8m		cont'd							
		57552	46.0-47.5 m	1.5 m	Dark green, massive basalt, coarse feldspar phenocrysts.	1	325	37	20
		57553	47.5-49.0 m	1.5 m	Greenish massive basalt, coarser feldspar phenocrysts, fractured, Fe stains on fractures, minor whitish.	1	719	28	20
		57554	49.0-50.5 m	1.5 m	Massive green basalt, some coarse feldspar phenocrysts, some Fe staining, fractured.	3	145	28	10
		57555	50.5-52.0 m	1.5 m	Massive greenish basalt, coarse feldspar phenocrysts.	4	377	34	10
		57556	52.0-53.4 m	1.4 m	Greenish basalt, gouge 52.4 m and 52.8 m with clay material, Fe stained fractures.	1	579	20	20
		57557	53.4-53.9 m	0.5 m	Massive green basalt, quartz vein with greenish gouge at 53.7 m.	17	89	30	10
		57558	53.9-54.8 m	wash	Mn gouge washed and sampled, core itself	2	62	6	70
		57559	53.9-54.8 m	0.9 m	is very extensive quartz vein with what appears to be chlorite alteration, also some very brownish fine grained Mn oxide material.	2	748	18	20
		57560	54.8-55.8 m	1.0 m	Basalt, small chloritic quartz vein, minor gouge.	1	65	3	40
		57561	55.8-57.0 m	1.2 m	Massive basalt, minor Fe stained clasts ? hematite present in minor amounts.	1	748	5	30
		57562	57.0-57.4 m	0.4 m	Small broken area, some Mn gouge.	1	65	20	30
		57563	57.4-58.5 m	1.1 m	Basalt, greenish, quartz veins and stringers, some quartz micro-fractures.	3	337	6	20
		57564	58.5-60.0 m	1.5 m	Greenish basalt, fractured, quartz vein ~ parallel to c/a, micro-fractures of quartz also.	2	134	6	40
		57565	60.0-61.5 m	1.5 m	Gray-green massive basalt, Fe (brownish) fractures, several very large (5-8 cm) crystals of pyrite at 60.0 m.	1	102	31	30
		57566	61.5-63.0 m	1.5 m	Greenish fine-grained massive basalt, minor <1% pyrite mineralization, minor amount of whitish clasts, quartz veins ~40-45° to c/a.	4	149	24	50
		57567	63.0-64.5 m	1.5 m	Greenish basalt, whitish clasts, minor quartz veins (stringers).	1	837	34	20
		57568	64.5-66.0 m	1.5 m	Greenish massive basalt, minor <1% pyrite crystals Fe stained, fractured, brownish color on fracture, strongly magnetic still.	1	498	21	30
		57569	66.0-67.1 m	1.1 m	Broken and fractured massive green basalt	1	575	21	80
		57570	67.1-68.2 m	1.1 m	Dark green basalt, brownish Fe stained fractures.	2	318	57	40
		57571	68.2-69.2 m	1.0 m	Gray-green to light pale green (bleached? closer to contact with sediments), minor <1% hematite crystals, brownish fractures	1	777	58	50
		57572	69.2-69.8 m	0.6 m	Pale green (bleached) around contact area with sediments, minor <1% reddish brown hematite.	2	146	56	10
69.8-100.8m		VOLCANICLASTIC SEDIMENTS							
		Color is basically variations of green to gray-green. Varies from dark to medium green, and from light (pale) gray-green to medium gray-green. Some beds show a purplish color due to hematite staining. Bedding varies from thick bedded to thin bedded and thinly laminated. Some thick beds show minor laminations within them. Laminations tend to be wavy and quite irregular in places.							

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
69.8-100.8m		cont'd *Some areas show wispy structures from possible slumping or flowing of sediments. Some beds contain larger fragments of material such as mud chips or possible volcanic flow fragments. Some beds are also calcareous as well as individual grains. Material ranges in grain size from very fine grained clay material to sub-rounded medium to coarse grains of volcaniclastic material. The coarse and finer beds show an interbedding type of structure. The coarse grained materials tend to be the ones which have a purplish hematite stain to them. The finer materials are not stained. Some graded bedding can be seen. Bedding is typically at 45° - 55° to core angle. *Laminations show flaser bedding structures. Minor fracturing occurs as well as minor quartz stringers and veins.							
	Samples:	57573	69.8-71.0 m	1.2 m	Dark to medium green, fine grained (mass) thick bedded, scattered thin wispy laminae (lighter greenish color), some darker green fragments included. Some slump structures.	2	50	1	5
		57574	71.0-72.5 m	1.5 m	Thick bedded, dark green, thin scattered wispy brownish laminations; small quartz vein at 71.9 m (40° to c/a).	2	239	1	5
		57575	72.5-74.0 m	1.5 m	Dark green-gray, massive, minor brownish wispy laminations, fractured quartz vein at 73.8 m, Fe stained, minor quartz stringers.	1	45	1	5
		57576	74.0-75.5 m	1.5 m	Medium grayish color, medium to thick bedded, some lighter brownish laminations which tend to be wispy & broken in places	2	57	1	5
		57577	75.5-77.0 m	1.5 m	Gray to gray-green, thin wispy broken laminations (lighter green color), mud chip fragments, tends more to medium bedded with interbedding of fine and medium grained material.	3	62	1	5
		57578	77.0-78.5 m	1.5 m	Medium gray-green, areas of hematite staining, thin bedded thin laminated, very fine grained material interbedded with medium bedded medium to coarse grained material, coarser beds are purplish color due to hematite.	2	201	1	10
		57579	78.5-80.0 m	1.5 m	Greenish color but definite hematite stained beds, thin laminated thin bedded to coarse to very coarse thick beds, wavy and wispy laminae.	1	1487	1	20
		57580	80.0-81.5 m	1.5 m	Gray-green with coarser beds being a purplish color, thin to medium bedded with thin laminations, wispy irregular laminations, coarse grains are sub-rounded.	3	1228	1	5
		57581	81.5-83.0 m	1.5 m	Pale green-gray, purplish hematite stained beds, bedding in places is very lensy and stretched out, thin bedded thin laminated to medium and thick bedded, minor quartz stringers.	1	1684	1	20
		57582	83.0-84.5 m	1.5 m	Pale green, majority is very fine grained thin bedded thin laminated, bedding is wavy and broken in places (lense like).	1	42	1	5

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
69.8-100.8m		cont'd							
		57583	84.5-86.0 m	1.5 m	Pale to medium gray-green, purplish hematite stain, thin bedded very fine grain interbedded with thick bedded coarser material, several isolate "patches" of pyrite (<1%) in coarser grained material, minor fractures and veinlets.	2	1722	15	5
		57584	86.0-87.5 m	1.5 m	Gray to gray-green sediments, thin bedded very fine grain interbedded with thick bedded coarser material, several isolated "patches" of pyrite (<1%) in coarser grained material, minor fractures and veinlets.	1	1212	1	5
		57585	87.5-89.0 m	1.5 m	Thin to medium bedded green-gray sediments, slightly irregular bedding, some slump structures, micro-fractures.	1	116	75	80
		57586	89.0-90.5 m	1.5 m	Medium green-gray, thin bedded, thin laminated, very fine grained, minor darker laminations, micro-fractures.	1	54	7	20
		57587	90.5-92.0 m	1.5 m	Medium green-gray, broken and lensey bedding, Fe stained at 91.8 m.	5	575	2	30
		57588	92.0-93.5 m	1.5 m	Green-gray sediments, quartz-carbonate vein at 92.1 m, irregular bedding, offset on micro-fractures 2-3 cm.	4	543	16	30
		57589	93.5-95.0 m	1.5 m	Green-gray sediments, fine grained interbedded with medium grained material some larger fragments also present.	2	208	4	30
		57590	95.0-96.5 m	1.5 m	Medium green-gray sediments, thin bedded thin laminated to thick bedded (coarse grained).	2	296	2	10
		57591	96.5-98.0 m	1.5 m	Medium green-gray sediments, thick coarse beds interbedded with very fine grained thin bedded thin laminated sediments, bedding is at ~50-55° to c/a, some thin wispy very dark sediments.	1	254	3	10
		57592	98.0-99.4 m	1.4 m	Green-gray, thin bedded thin laminated sediments, darker laminae throughout.	3	54	2	20
		57593	99.4-100.8 m	1.4 m	Medium green-gray to medium gray, thin bedded thin laminated, minor quartz veining, massive appearance at 108 m.	1	937	12	10
100.8-139.1m		TUFFACEOUS SILTSTONE & VOLCANICLASTIC SANDSTONE							
		Pale gray-green to medium green-gray. Dark green to black laminations occur throughout. Very fine grained, some micro-fractures occur. Minor mineralization 1% pyrite crystals & disseminated pyrite in certain beds. Bedding is only slightly irregular with slump features and some fragments, broken in places. Beds of coarse grained sub-rounded sands, mixed with very fine grained silts. Coarse grained material tends to be darker color, some coarse fragments also show minor mineralization. Thin layer (paper thin) of qtz-carbonate exists on some fractures. Pyrite crystal tends to be in "pods" along bedding planes.								
	Samples:	57594	100.8-102.0 m	1.2 m	Gray-green, very fine grained, some beds are slightly grayer color and tend to be fine grained only.	1	59	3	30
		57595	102.0-103.5 m	1.5 m	Very fine grained green-gray siltstone, slightly grayer beds interbedded with very fine greenish-gray ones. Minor py on some lighter beds.	1	62	8	80

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
100.8-139.1m	cont'd								
		57596	103.5-105.0 m	1.5 m	Green-gray thin bedded, thin laminated, some dark gray to black laminae, very minor pyrite <1%.	1	55	59	150
		57597	105.0-106.5 m	1.5 m	Medium gray-green, some darker green-black laminae, some pyrite <1% in isolated patches with associated darker material.	1	49	14	70
		57598	106.5-108.0 m	1.5 m	Green-gray, very fine grained siltstone, minor darker green-black laminae, very fine grained pyrite in minor amounts <1% along some bedding planes.	2	55	16	80
		57599	108.0-109.5 m	1.5 m	Green-gray, darker laminations, very fine grained pyrite on fracture at 108.4 m, patch of pyrite mineralization at 109.1m minor micro-fractures.	4	45	25	100
		57600	109.5-111.0 m	1.5 m	Medium to light gray to gray-green, black laminae, minor sand bed at 110.5 m.	2	131	91	50
		57601	111.0-112.5 m	1.5 m	Light to medium gray-green, minor sub-rounded medium grained sand beds, some darker laminae and beds, minor healed fractures (micro-fractured).	1	95	14	30
		57602	112.5-114.0 m	1.5 m	Gray-green, very fine grained silts, minor coarse grained "sand" beds sub-rounded grains, black laminae minor py <1% on some bedding planes.	2	155	19	70
		57603	114.0-115.5 m	1.5 m	Pale gray-green to black, very fine grained with some coarser beds, minor black laminae, minor very fine grained pyrite.	4	68	28	80
		57604	115.5-117.0 m	1.5 m	Medium gray-green, to medium gray, thin bedded thin laminated, minor medium grained beds, ~0.4 m core loss probably at 15.7 m, minor very fine grained pyrite in some coarse beds.	1	67	49	50
		57605	117.0-118.5 m	1.5 m	Pale to medium gray, very fine grained beds with some fine grained beds mixed in very fine grain pyrite disseminated in certain beds, appears to be small amount only 1%, Fe stained quartz-carbonate vein at 118.3 m.	2	42	4	30
		57606	118.5-120.0 m	1.5 m	Gray-green to medium gray, thin bedded thin laminated, more siliceous beds 119.5-120.0 m quartz-calcite along some fractures.	1	61	7	50
		57607	120.0-121.5 m	1.5 m	Mixed coarse medium gray beds and gray green very fine-fine grained beds, coarse tend to be thick bedded, while finer material is thin bedded, thin laminated.	1	70	17	20
		57608	121.5-123.0 m	1.5 m	Thin to medium coarse grained beds (darker gray-green) with pale green very fine grained silts, quartz-carbonate on fractures.	1	57	2	20
		57609	123.0-124.5 m	1.5 m	Medium gray green very fine grained silts some black laminae (wispy), mixed with sub-rounded beds of med-coarse material.	1	45	1	20

FOOTAGE FROM	TO				DESCRIPTION	ANALYSIS Au	Ba	Cu	Hg
100.8-139.1m		cont'd							
		57610	124.5-126.0 m	1.5 m	Medium coarse grained green (dark) sands with very fine grained pale gray silts, minor pyrite <1% in coarse beds, quartz-carbonate in thin fractures, 2-3 cm offset on fractures.	1	54	9	10
		57611	126.0-127.5 m	1.5 m	Dark gray, massive appearance, whitish quartz-carbonate on fractures	1	61	6	10
		57612	127.5-129.0 m	1.5 m	Dark gray, massive into pale green-gray very fine silts, some interbedding of darker and lighter sediments, some pyrite <1% along bedding planes at 128.5 m.	1	42	17	20
		57613	129.0-130.5 m	1.5 m	Pale gray very fine grained siltstone, minor <1% isolated pods of pyrite along bedding quartz-carbonate along fractures.	2	26	23	40
		57614	130.5-132.0 m	1.5 m	Pale gray very fine grained with darker green laminations, minor amount of coarse grain beds which contain minor amounts of pyrite, quartz-carbonate on fractures.	3	28	25	80
		57615	132.0-133.5 m	1.5 m	Dark green medium-coarse sand beds mixed with very fine grained pale silt bed, bedding throughout has been typically ~50° to c/a, fragmented beds majority are thin bedded, quartz-carbonate along fractures.	2	49	13	40
		57616	133.5-135.0 m	1.5 m	Medium green-gray sediments, some broken fragmented beds majority are thin bedded, quartz-carbonate along fractures.	3	51	1	30
		57617	135.0-136.5 m	1.5 m	Medium green-gray, very fine grained, minor amount of broken beds at 136.3 m, quartz-carbonate along fractures some darker green laminations.	5	42	1	50
		57618	136.5-137.8 m	1.3 m	Darker green coarse beds mixed with pale green-gray very fine beds, broken and folded bedding at 137.4 m, thin layer of quartz-carbonate on fractures.	2	53	2	40
		57619	137.8-138.1 m	1.3 m	Dark green coarse beds with broken very fine lighter gray beds of silt, grades into medium gray very fine grained siltstone. Bottom is contact with amygdaloidal flow.	2	55	1	30
139.1-148.7m		AMYGDALOIDAL BASALT							
		Medium to dark green color basalt, amygdules vary in size up to what appears to be very large infilled voids (40-50 cm). Amygdules are filled with quartz-carbonate material. Along with the quartz-carbonate there is up to 3-4% magnetite as well as more minor amounts of pyrite. Magnetite is quite concentrated in some amygdules. Mineralization is confined to amygdules and flow contacts. Several flow contacts are seen. They tend to be quite irregular and very contorted in shape. Other flow contacts are more defined in appearance The irregular contacts are a light gray color and tend to be hematite stained on their boundaries. The more defined and conformable contacts are a light greenish almost bleached color, they contain quartz-carbonate with concentrations of magnetite within the quartz-carbonate. Minor amounts of pyrite also occur within these alteration zones. Quartz-carbonate veining and stringers also cut the core. Quartz veins show some dark green material probably chlorite.								

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
139.1-148.7m		cont'd							
		Samples: 57620	139.1-140.3 m	1.2 m	Contact with sediments & volcanics, greenish color, amygdaloidal, minor mineralization <1% in amygdules, quite broken core 139.1-140.0 m, some clay gouge material also, hematite stained flow contact at 140.2 m.	2	70	68	30
		57621	140.3-141.6 m	1.3 m	Quartz-carbonate stringers & veins, area of flow contact 141.0-141.6, very irregular lighter gray color in dark green groundmass, hematite stained on boundaries.	2	60	90	20
		57622	141.6-141.8 m	0.2 m	Larger quartz vein, minor <1% pyrite, hematite stained.	1	622	65	30
		57623	141.8-143.0 m	1.2 m	Less amygdules more massive flow, some internal folding and distortion of flow, several small flow contacts, fractured and filled with quartz-carbonate.	1	80	1	10
		57624	143.0-144.1 m	1.1 m	Greenish more massive flow, minor amount of quartz-carbonate crystals, some qtz-carbonate fractures.	1	79	2	20
		57625	144.1-144.6 m	0.5 m	Greenish basalt, qtz-carbonate amygdules.	4	36	3	20
		57626	144.6-145.2 m	0.6 m	Flow contact zone, pale greenish color (bleached), voids filled with quartz-carbonate and 3-4% magnetite, appears to be some alteration, minor <1% pyrite in amygdules also.	2	75	14	20
		57627	145.2-145.4 m	0.2 m	Quartz-carbonate vein, some chlorite also	2	56	1	10
		57628	145.4-146.5 m	1.1 m	Quartz-carbonate amygdules, greenish basalt, several small flow contacts (paler green) with magnetite and pyrite, quartz-carbonate micro-fractures.	1	59	5	20
		57629	146.5-147.6 m	1.1 m	Fairly massive basalt, some qtz-carbonate (minor magnetite) amygdules, become paler green (bleached) color at 147.6m possible flow contact, quartz-carbonate veins and stringers.	1	58	3	30
		57630	147.6-148.7 m	1.1 m	Bleached pale green basalt, some alteration on contacts, quartz-carbonate amygdules with magnetite, qtz-carbonate stringers, conformable contact with underlying sediments.	2	84	19	50
148.7-156.3m		TUFFACEOUS SILTSTONE							
		Gray green (cream colored) very fine grained silts interbedded with darker greenish fine grained sediments. Sediments tend to be interbedded but localized sections do show a predominance of usually the very fine grained lighter gray-green sediments. Bedding is thin to medium with thin laminations. Laminations tend to be slightly irregular and broken in places. Core is cut by micro-fractures which do show offsets of 3-5 cm. Thin sheets of quartz-carbonate are seen on fractures. Minor <1% mineralization does occur in isolated section. Mineralization is parallel to bedding roughly and consist of pyrite and lesser amounts of chalcopyrite. Bedding is typically at 50° to c/a.							
		Samples: 57631	148.7-150.0 m	1.3 m	Pale gray-green, very fine siltstone, minor fine grain darker green beds, minor gouge at 148.9 m, broken & fractured, fine quartz-carbonate sheet on fracture surfaces, minor <1% mineralization at 148.7 m with pyrite and minor chalcopyrite.	1	26	5	40

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
148.7-156.3m		cont'd							
		57632	150.0-151.5 m	1.5 m	Gray-green very fine sediments, minor dark green beds, fractures, minor mineralization at 150.5 m pyrite.	1	23	25	50
		57633	151.5-153.0 m	1.5 m	Interbedded gray-green (pale color) very fine grain sediments, fractures & healed fractures at across bedding roughly at 90°.	2	37	173	70
		57634	153.0-154.5 m	1.5 m	Gray-green, very fine interbedded with darker green sediments, grades into section of predominant pale gray-green very fine silts only with minor darker beds. Isolated "pods" of pyrite at 153.8	19	25	78	50
		57635	154.5-155.4 m	0.9 m	Pale gray-green very fine silts, minor beds darker green fine sediments, minor pyrite at 154.7 m.	2	17	7	60
		57636	155.4-156.3 m	0.9 m	Interbedded pale green-gray very fine with darker green fine sediments, some broken and lensey bedding.	1	36	70	100
156.3-159.5m		VOLCANICLASTIC SEDIMENTS							
		Sediments are gray to dark green-gray color. Tend to vary widely in grain size from fine silts to conglomerate beds with volcanic pebbles. Bedding ranges from thin bedded, thin laminated to thick bedded. The finer materials tend to be thinner bedded and laminated. Laminations tend to be slightly irregular and wavy. Bedding is at 45-50° to c/a. Coarser beds tend to be composed of fragments. Some fragments show preferred orientation to bedding while others are more of a conglomerate type with rounded fragments. Some lighter gray broken beds are calcareous. Fragments tend to be greenish in color (basalt?) or a light gray color (silts?) Fragments do get up to 20 cm in size. Fragments are rounded to sub-rounded but also occur as very angular "laths". Mineralization is quite extensive in localized sections, select area show concentrations of pyrite, some pyrite is stratiform while other pyrite mineralization does occur disseminated through sample. Minor siliceous "pods" also occur. Chlorite is present also.							
		Samples: 57637	156.3-157.2 m	0.9 m	Dark green to pale gray-green, minor portion of fragmental beds more silts and fine sand, similar to above, minor <1% pyrite at 157.0 m, massive looking in areas.	1	29	114	60
		57638	157.2-158.2 m	1.0 m	Several thick fragmental beds interbedded with finer dark green to green-gray silts fragments are parallel to bedding, minor pyrite at 157.2 m.	3	29	9	30
		57639	158.2-158.7 m	0.5 m	Concentrated area of pyrite, some along bedding while some pyrite occur as crystals within the sediments, 158.5 to 158.7 almost massive pyrite up to 90% of sample.	3	18	113	1400
		57640	158.7-159.9 m	1.2 m	Medium to dark green sediments, several thick coarse fragmented conglomerate beds mixed with fine to very fine grain silts, no notable mineralization as above.	1	27	2	20
		57641	159.9-161.0 m	1.1 m	Similar to above, very fine grained silts with occasional very fragmented & broken beds of coarse (pebble) material.	1	30	13	40
		57642	161.0-162.2 m	1.2 m	Gray (light) silts grade into darker mixed sediments, darker sediments are both fine grain silts and fragmental beds but only small fragments 1-2 cm in size, small calcareous sections.	1	29	10	50

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
156.3-169.6m		cont'd							
		57643	162.2-162.8 m	0.6 m	Coarse fragmental bed with up to 50% pyrite crystals, then bed of fine silts with stratiform concentration of pyrite.	1	22	25	180
		57644	162.8-163.4 m	0.6 m	Similar sample to above, stratiform pyrite concentrations then into coarse greenish fragmental bed with again pyrite crystals.	1	27	37	400
		57645	163.4-164.5 m	1.1 m	Thick coarse-pebble size fragmental beds with more minor finer grained silts, minor <1% pyrite crystals in localized areas, some silica replacement at 164.3m, minor calcareous sections.	2	25	7	20
		57646	164.5-166.0 m	1.5 m	Dark green sub-rounded to rounded pebbles thick beds, mostly fragmental sediments of a coarser nature. Bedding is wavy in places with minor calcareous sections.	1	23	3	20
		57647	166.0-167.2 m	1.2 m	Thick bedded cobble conglomerate at 166.2 majority of sample is finer grained silts and sands, some calcareous beds.	1	20	1	10
		57648	167.2-168.4 m	1.2 m	Majority of sample is coarser fragmental beds with minor very fine silts, greenish color throughout.	4	19	2	30
		57649	168.4-169.5 m	1.1 m	Sequence of thick bedded coarse-pebble fragmental beds, minor calcareous beds. Some beds have fragments up to cobble size.	2	25	3	10
169.5-172.8m		AMYGDALOIDAL BASALT							
		Greenish color, very fine grained, massive appearance, amygdules are quartz-carbonate and chlorite or combinations of both. Quartz-carbonate veins and stringers also appear throughout.							
		Samples: 57650	169.5-172.8 m	3.3 m	Greenish amygdaloidal basalt, fairly siliceous around contact with above sediments, quartz-carbonate veins and stringers.	2	35	3	10
172.8m		END OF HOLE							

DRILL HOLE RECORD: Gold Creek HOLE NO.: G-90-30 PAGE: 1

COMMENCED: February 09, 1990 DISTRICT: Ft. Steele COLLAR DIP: -90° TESTS @:
COMPLETED: February 12, 1990 PROPERTY: Gold Creek BEARING:
LOGGED BY: Peter Klewchuk LOCATION: Teepee Creek LENGTH: 148.1 m
DATE LOGGED: February 12, 1990 CO-ORD.: 5460500N, 606160E CORE SIZE: NQ
ELEV.: % RECOVERY: ppm except Au ppb

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
0.0-58.5m		OVERBURDEN; CASING Cored boulders and pebbles of various lithologies.							
58.8-89.9m		BASALT Quite massive. Medium to dark green color, locally amygdaloidal. Numerous pods and veins of quartz are present. Chlorite is common; locally as veinlets with quartz, locally as amygdules. Brecciation is present locally with pale gray silica and fine to very fine dusting of pyrite. 'Surface' oxidation extends down to ~67.5 m with some rusty patches below. 'Surface' oxidized zone is quite pervasively rusty, generally decreasing downwards.							
Samples:	49801	58.8-60.3 m	1.5 m	Massive darker green basalt pale gray-green feldspar phenocrysts, minor pyrite		6	103	4	30
	49802	60.3-61.8 m	1.5 m	30 cm core loss, green basalt, patchy oxidation; broken quartz, veining near 60.5 m - core loss is at Quartz vein		5	118	20	20
	49803	61.8-63.1 m	1.3 m	Rusty basalt, Quartz veins with dissem. & patchy chlorite & muscorite 20 cm core loss		4	153	37	50
	49804	63.1-64.6 m	1.5 m	Rusty basalt, few thin Quartz veins. Mn-stained fractures		6	154	45	40
	49805	64.6-66.1 m	1.5 m	Rusty basalt, few thin Quartz veins & pods Mn-stained fractures		1	138	52	20
	49806	66.1-67.6 m	1.5 m	Patchy rustiness; massive basalt, few Qtz veins		6	104	49	20
	49807	67.6-68.3 m	0.7 m	Top 10 cm rusty with 1 quartz vein; healed breccia with strong pyritic mineralization in irregular quartz fillings. Pyrite veins extend into vesicular basalt wallrock. Med. dark green basalt with yellow-green alteration.		7	46	92	100
	49808	68.3-69.8 m	1.5 m	Massive vesicular basalt. Chlorite & qtz-filled vesicles, few rusty, limonitic limey patches		3	48	6	20
	49809	69.8-71.3 m	1.5 m	Massive vesicular basalt. More patchy brown carbonate alteration		3	817	8	10
	49810	71.3-72.8 m	1.5 m	Massive vesicular basalt		1	37	2	20
	49811	72.8-74.3 m	1.5 m	Massive basalt, patchy calcareous spotting, minor Qtz-limonite veining		5	91	35	10
	49812	74.3-75.8 m	1.5 m	Mottled, chloritic texture, Qtz-chlorite veins		6	33	60	30
	49813	75.8-77.2 m	1.4 m	Mottled, chloritic texture, few Quartz-chlorite veins		1	29	32	70
	49814	77.2-77.6 m	0.4 m	Broken, rusty altered basalt, series of thin Quartz vein at 70° to c/a. dissem. sericite.		5	119	52	5
	49815	77.6-79.1 m	1.5 m	Massive chloritic basalt patchy rusty carbonate alteration spotting		1	58	26	5
	49816	79.1-80.6 m	1.5 m	Massive chloritic basalt mottled texture, few quartz veins		4	41	8	5
	49817	80.6-82.1 m	1.5 m	Massive chloritic basalt mottled texture, patchy quartz		1	30	12	5
	49818	82.1-83.6 m	1.5 m	Massive chloritic basalt mottled texture, patchy quartz		3	32	19	5

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
58.8-89.9m		cont'd							
		Samples: 49819	83.6-85.2 m	1.6 m	Massive chloritic basalt, mottled texture minor rusty spotting, few Qtz-fp veins	1	35	16	20
		49820	85.2-86.8 m	1.6 m	Massive chloritic basalt, mottled texture patchy bleaching two 10 cm wide Qtz-fp vein	1	35	9	10
		49821	86.8-88.4 m	1.6 m	Massive chloritic basalt, Qtz-chlorite vein	1	41	42	5
		49822	88.4-89.9 m	1.6 m	Massive chloritic amygdaloidal basalt. Three flow contacts at ~70° to c/a. Some pale green bleaching	2	50	19	5
89.9-124.1m		SILTSTONE & SANDY SILTSTONE							
		Laminated and thin bedded, rarely medium thick beds. Chloritic throughout; color varies from pale gray-green to dark gray-green with a few tan colored bands. Bedding tends to be slightly wavy and irregular; bedding plane contacts range from sharp to gradational. Small scale disruptions in bedding are common with some truncations, some soft-sediment deformation and quite a lot of rip-up-clast/mud chip breccia development. The interval is probably entirely volcaniclastic or largely volcaniclastic in nature; coarser sandy lenses, commonly with very fine pyrite, are common near the base of the interval. Bedding is typically at ~70° to c/a.							
		Samples: 49823	89.9-91.4 m	1.5 m	Limonitic fractures	2	41	5	5
		49824	91.4-92.9 m	1.5 m		1	59	6	5
		49825	92.9-94.4 m	1.5 m		2	24	26	20
		49826	94.4-95.9 m	1.5 m	One 1 cm wide QV, rusty, at 25° to c/a	2	61	59	10
		49827	95.9-97.4 m	1.5 m		2	36	7	5
		49828	97.4-98.9 m	1.5 m		1	38	23	5
		49829	98.9-100.4m	1.5 m		1	48	10	10
		49830	100.4-101.9m	1.5 m		2	51	12	5
		49831	101.9-103.4m	1.5 m		1	297	46	5
		49832	103.4-104.9m	1.5 m		1	112	75	5
		49833	104.9-106.4m	1.5 m		2	167	13	10
		49834	106.4-107.9m	1.5 m		2	60	19	5
		49835	107.9-109.4m	1.5 m		1	17	57	5
		49836	109.4-110.9m	1.5 m		1	52	5	5
		49837	110.9-112.4m	1.5 m	One 2 cm wide rusty QV at 70° to c/a	2	54	38	5
		49838	112.4-113.9m	1.5 m	Local rusty oxidation	3	74	38	5
		49839	113.9-115.4m	1.5 m		4	189	49	5
		49840	115.4-116.9m	1.5 m		2	42	84	5
		49841	116.9-118.4m	1.5 m	10 cm clay-matrix crush zone at 117.5 m	1	58	20	10
		49842	118.4-119.9m	1.5 m	Patchy brownish & reddish oxidation	2	44	205	20
		49843	119.9-121.3m	1.4 m	Patchy brownish & reddish oxidation more coarser-grained 'sandstone' volcaniclastic	1	37	26	10
		49844	121.3-122.7m	1.4 m	Patchy brownish limonitic alteration	1	273	201	10
		49845	122.7-124.1m	1.4 m	Few coarser-grained bands, may be lapilli tuffs; minor brownish limonite alteration	1	161	40	20
124.1-148.1m		BASALT							
		Various textures from massive, fine-grained and dark green to lighter green & amygdaloidal Numerous flow contacts are evident, generally increasing up section. Many of these contacts have more intense alteration associated with them; bleaching and disseminated & vein pyrite as well as chlorite and quartz veining. Vesicles tend to be filled with quartz, pale yellow dolomite and, locally, chlorite and pyrite. Flow contacts tend to be at high angles to c/a, 70° to 90°.							
		Samples: 49846	124.1-125.6 m	1.5 m	Vesicular, limonite-altered flow contacts. Patchy silicification & pyrite.	1	63	83	70
		49847	125.6-127.1 m	1.5 m	Vesicular, limonite-altered flow contacts. Patchy silicification & pyrite.	2	127	9	60
		49848	127.1-128.6 m	1.5 m	Vesicular to fine-grained massive	1	38	33	170
		49849	128.6-130.1 m	1.5 m	Vesicular basalt, local quartz veining. Broken core.	1	31	24	130

FOOTAGE FROM	TO	DESCRIPTION				ANALYSIS Au	Ba	Cu	Hg
124.1-148.1m	cont'd								
	Samples:	49850	130.1-131.6 m	1.5 m	Vesicular basalt, oxidized pyritic veins Py and Chl in amygdules	1	43	29	110
		49851	131.6-133.1 m	1.5 m	Vesicular basalt, minor dissem. Py	1	49	21	110
		49852	133.1-134.6 m	1.5 m	Finer grained, massive, darker green basalt few amygdules	1	22	15	50
		49853	134.6-136.1 m	1.5 m	Finer grained, massive, darker green basalt Bleaching/alteration at flow contact at 135.7 m	1	72	3	10
		49854	136.1-137.6 m	1.5 m	Finer grained, massive, darker green basalt one 6 cm wide Qtz-CO_3-Py vein	1	238	17	10
		49855	137.6-139.1 m	1.5 m	Finer grained. Bleached flow contacts, patchy Py/Chl alteration	3	91	15	30
		49856	139.1-140.6 m	1.5 m	Amygdaloidal fine grained basalt	1	108	19	20
		49857	140.6-142.1 m	1.5 m	Fine grained amygdaloidal basalt, dark green	1	133	22	5
		49858	142.1-143.6 m	1.5 m	Fine grained basalt, patchy Qtz & dolomite	2	202	8	10
		49859	143.6-145.1 m	1.5 m	Fine grained basalt, patchy Qtz & dolomite	1	385	4	5
		49860	145.1-146.6 m	1.5 m	Amygdaloidal basalt. Qtz-Dol veins	2	55	22	40
		49861	146.6-148.1 m	1.5 m	Amygdaloidal basalt, patchy medium gray chalcedony veins	1	51	66	80
148.1m	END OF HOLE								

APPENDIX VIII

GEOCHEMICAL ANALYSES OF DRILL CORE

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: DEC 21 1989 DATE REPORT MAILED: Jan 2/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 89-5128

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB	Hg PPB
C 39401	1	1	2	5	.1	7	1	256	.79	2	5	ND	4	21	1	2	2	4	3.39	.041	29	6	2.06	21	.01	2	.47	.01	.17	1	1	20
C 39402	1	384	19	5	.1	8	16	449	1.51	11	5	ND	2	36	1	2	2	5	6.53	.033	12	6	3.64	1659	.01	4	.44	.01	.18	1	1	230
C 39403	1	1	3	2	.1	5	1	361	1.56	2	5	ND	1	14	1	2	2	3	3.50	.045	12	4	1.41	68	.01	2	.26	.01	.14	1	1	30
C 39404	1	9	3	4	.3	11	17	615	1.49	2	5	ND	1	60	1	2	2	2	10.98	.026	6	3	5.67	1796	.01	7	.28	.01	.13	1	3	260
C 39405	1	2	3	3	.1	6	2	532	1.23	2	5	ND	3	46	1	2	2	2	7.56	.037	14	3	3.43	582	.01	2	.18	.01	.09	1	3	20
C 39406	1	16	3	3	.1	4	3	453	1.31	2	5	ND	4	39	1	2	2	3	6.79	.040	14	4	2.68	1076	.01	4	.18	.01	.13	1	1	30
C 39407	1	4	2	3	.1	4	6	499	1.20	4	5	ND	2	50	1	2	2	2	9.81	.027	10	3	4.75	596	.01	4	.11	.01	.09	1	1	80
C 39408	1	3	2	3	.1	5	1	508	1.12	2	5	ND	2	49	1	2	3	2	7.58	.032	13	4	3.95	280	.01	3	.26	.01	.09	1	1	10
C 39409	3	3	4	30	.1	22	8	78	2.38	4	5	ND	4	3	1	2	5	6	.17	.016	7	17	1.35	30	.01	2	1.50	.01	.15	2	1	10
C 39410	1	6	2	3	.2	4	3	403	1.41	2	5	ND	4	33	1	2	2	2	4.96	.039	17	1	2.04	508	.01	2	.10	.01	.09	1	2	5
C 39411	2	3	5	3	.1	9	1	22	.46	2	5	ND	1	3	1	2	2	1	.05	.002	8	7	.23	6	.01	2	.21	.01	.09	1	1	5
C 39412	1	1	2	3	.1	2	1	311	.86	2	5	ND	1	16	1	2	2	4	3.99	.029	3	5	2.32	68	.01	2	.30	.01	.03	1	1	10
C 39413	1	12	3	1	.1	4	1	404	.86	2	5	ND	1	23	1	2	2	4	5.14	.008	3	5	2.85	46	.01	2	.17	.01	.03	1	1	10
B 56412	1	2	5	18	.2	65	30	827	5.84	5	5	ND	1	77	1	2	4	24	4.99	.118	9	65	3.65	34	.01	3	2.23	.01	.08	1	5	30
STD C/AU-R	18	58	36	132	6.9	67	31	941	4.05	41	19	7	37	47	18	14	21	57	.50	.097	37	56	.89	175	.07	33	1.91	.06	.14	13	490	1300

G89-01

ACME ANAL[redacted]CAL LABORATORIES LTD. 852 E. HASTINGS ST. VAN[redacted]UVER B.C. V6A 1R6 PHONE(604)253-3158 FAX([redacted]53-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JAN 22 1990 **DATE REPORT MAILED:** Jan 24/90 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0189 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45001	2	25	228	100	.7	10	6	433	1.24	2	5	ND	4	49	1	2	3	6	.72	.030	10	11	.43	29	.05	2	.78	.02	.14	1	6
A 45002	2	3	9	35	.1	15	6	276	2.08	2	5	ND	11	9	1	2	2	20	.43	.024	28	20	.46	29	.08	2	.97	.02	.15	2	3
A 45003	2	61	10	112	.3	65	10	512	3.12	12	5	ND	1	6	1	3	2	17	.15	.007	3	8	.77	43	.10	3	1.28	.01	.88	1	5
A 45201	1	3	11	11	.1	17	15	502	1.89	7	5	ND	6	33	1	5	2	7	4.14	.039	9	9	2.96	107	.02	8	.94	.01	.48	1	1
A 45202	1	35	2	16	.1	18	10	487	2.26	8	5	ND	4	32	1	3	2	7	3.39	.036	7	10	2.86	174	.03	8	1.15	.01	.47	1	3
A 45203	1	1	3	15	.1	16	4	437	2.05	2	5	ND	5	30	1	5	2	8	3.16	.055	16	8	2.57	95	.03	7	1.21	.01	.51	1	3
A 45204	1	4	2	15	.1	20	12	674	2.72	15	5	ND	6	5	1	3	2	13	.27	.068	24	14	1.06	162	.03	6	1.09	.01	.43	1	1
A 45205	1	1	6	10	.2	13	10	847	2.15	9	5	ND	6	35	1	4	4	7	4.39	.048	9	8	2.30	507	.02	9	.68	.01	.34	1	1
A 45206	1	4	2	17	.1	14	4	359	2.37	2	5	ND	1	25	1	2	2	13	2.02	.051	13	12	1.92	520	.04	5	1.36	.01	.44	1	2
A 45207	1	5	2	22	.1	18	4	149	2.86	2	5	ND	4	9	1	2	2	11	.48	.046	14	21	1.99	67	.04	5	1.79	.01	.42	1	1
A 45208	1	8	6	9	.1	12	14	783	2.14	7	5	ND	5	39	1	3	2	5	5.98	.043	12	6	2.94	146	.01	6	.66	.01	.31	1	3
A 45209	1	40	8	8	.3	10	8	989	2.29	6	9	ND	4	57	1	4	2	5	9.85	.032	8	4	4.14	81	.01	4	.44	.01	.24	1	1
A 45210	1	154	9	9	.3	12	15	974	2.52	13	11	ND	5	58	1	6	2	5	7.90	.034	7	4	3.91	117	.01	4	.54	.01	.25	1	3
A 45211	1	5	10	22	.2	21	17	481	3.49	22	5	ND	3	29	1	5	2	17	2.77	.060	8	12	3.02	89	.05	4	1.87	.01	.64	1	2
A 45212	1	4	6	14	.3	14	8	419	2.58	8	5	ND	5	38	1	4	2	10	2.74	.045	11	9	2.16	58	.03	3	1.18	.01	.45	1	2
A 45213	1	10	10	13	.2	14	13	730	2.68	10	5	ND	6	40	1	4	2	8	3.92	.048	15	8	2.52	268	.02	4	.99	.01	.31	1	2
A 45214	1	2	3	17	.2	18	11	473	3.12	8	5	ND	4	33	1	6	2	13	2.69	.044	11	12	2.50	95	.05	3	1.57	.01	.60	1	1
A 45215	1	14	6	14	.1	27	39	231	2.68	6	5	ND	1	12	1	2	2	14	.74	.054	15	9	1.44	127	.05	4	1.31	.01	.47	1	2
A 45216	1	12	2	35	.1	20	20	521	6.56	2	5	ND	1	38	1	2	2	39	2.30	.154	9	7	3.60	231	.12	2	3.25	.01	.86	1	5
A 45217	1	4	6	20	.1	11	11	829	5.01	3	5	ND	1	170	1	2	2	25	6.42	.091	8	6	2.92	1068	.05	2	1.78	.01	.44	1	4
A 45218	1	4	5	33	.1	17	19	650	8.28	2	5	ND	1	42	1	2	4	39	2.63	.133	16	7	3.24	106	.06	2	3.02	.01	.48	1	2
A 45219	1	23	5	39	.1	20	30	611	9.40	6	5	ND	2	35	1	3	2	50	1.85	.150	14	8	3.72	74	.06	2	3.63	.01	.45	1	3
A 45220	1	20	4	43	.1	21	37	709	9.32	6	5	ND	1	27	1	3	2	59	1.72	.143	14	10	3.84	197	.03	2	4.12	.01	.22	1	4
A 45221	1	43	9	41	.2	21	30	758	9.34	11	7	ND	2	67	1	6	2	65	2.58	.137	15	12	3.64	39	.02	2	3.81	.02	.19	1	3
A 45222	1	162	3	44	.1	28	59	932	10.01	4	5	ND	1	35	1	2	2	67	2.38	.124	18	12	3.68	249	.02	2	4.21	.01	.13	1	4
A 45223	1	19	6	41	.1	25	37	783	9.62	8	5	ND	1	51	1	3	2	60	2.03	.139	14	12	3.59	226	.02	2	3.93	.01	.17	2	3
A 45224	1	298	36	44	.4	72	171	2127	11.21	41	5	ND	1	26	2	4	2	63	3.10	.104	7	10	3.44	279	.02	2	3.97	.01	.10	1	1
A 45225	1	46	11	49	.1	23	38	875	10.14	15	7	ND	2	43	2	4	2	71	2.20	.141	21	13	4.04	72	.02	2	4.78	.02	.21	4	1
A 45226	2	21	4	26	.1	23	35	720	6.62	3	5	ND	1	10	1	2	2	41	.48	.082	12	13	2.19	62	.01	2	2.38	.01	.11	1	2
A 45227	1	35	3	36	.1	24	34	801	9.75	2	5	ND	1	62	1	2	2	47	2.71	.133	14	10	2.92	57	.01	2	3.32	.01	.14	1	4
A 45228	1	35	4	39	.1	26	36	769	7.69	5	5	ND	1	45	1	2	2	40	2.17	.163	13	8	3.82	57	.03	2	3.87	.01	.31	2	1
A 45229	1	31	11	39	.1	74	83	417	7.36	2	5	ND	1	27	1	2	2	31	1.02	.221	6	7	3.66	60	.05	2	3.99	.01	.45	1	4
A 45230	1	20	7	8	.2	13	17	1257	2.65	7	5	ND	4	60	1	3	2	6	7.72	.034	10	6	3.89	27	.01	3	.57	.01	.16	1	5
A 45231	1	6	7	8	.1	8	6	1186	2.41	8	5	ND	4	66	1	2	2	6	8.17	.039	8	5	4.12	20	.01	3	.50	.01	.15	1	2
A 45232	1	147	8	8	.2	14	11	833	2.07	8	6	ND	7	43	1	5	2	7	5.14	.039	8	8	2.99	27	.01	5	.64	.01	.25	1	1
A 45233	1	60	8	6	.1	15	12	624	1.89	7	5	ND	8	30	1	4	2	6	3.62	.042	8	12	2.25	30	.01	5	.68	.01	.28	1	1
STD C/AU-R	18	60	42	132	7.1	68	30	958	3.78	39	22	6	37	48	18	18	18	60	.43	.093	37	56	.86	175	.07	39	1.78	.06	.13	13	470

G90-01

SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45234		2	27	4	6	.1	11	11	1182	2.88	10	5	ND	3	54	1	2	2	6	8.20	.027	5	7	3.62	21	.01	3	.50	.01	.16	1	2
A 45235		1	40	20	23	.1	19	17	660	2.36	7	5	ND	3	28	1	2	3	6	3.66	.038	9	7	1.92	184	.01	8	.87	.01	.25	1	1
A 45236		2	227	3	9	.1	25	22	202	2.41	4	5	ND	3	14	1	2	2	11	.83	.045	8	13	1.34	380	.02	6	1.26	.01	.29	1	1
A 45237		1	92	13	21	.1	23	19	564	3.98	3	5	ND	2	29	1	2	3	17	2.70	.046	4	17	2.57	27	.01	5	1.92	.01	.23	1	1
A 45238		1	4	4	16	.1	19	9	429	4.06	2	5	ND	1	33	1	2	2	25	2.08	.059	6	19	2.36	24	.02	6	2.20	.01	.25	1	1
A 45239		1	5	7	18	.1	24	16	635	4.55	6	5	ND	1	62	1	2	2	21	3.43	.060	5	15	2.65	36	.01	10	2.35	.01	.22	1	1
A 45240		1	6	6	10	.1	15	11	1089	3.60	3	5	ND	2	55	1	2	2	11	5.43	.042	6	9	2.49	50	.01	3	1.40	.01	.19	1	1
A 45241		1	30	19	14	.2	32	66	1156	6.53	11	5	ND	1	48	1	2	2	18	4.61	.054	3	11	3.13	18	.01	3	1.83	.01	.19	1	1
A 45242		2	7	5	26	.1	51	32	604	8.24	9	5	ND	1	55	1	2	2	39	2.06	.095	4	17	3.38	23	.02	2	4.23	.01	.23	1	1
A 45243	G90-01	1	1	10	23	.2	41	24	747	7.32	10	5	ND	1	49	1	3	5	30	1.96	.105	7	12	3.03	36	.01	8	3.59	.01	.21	1	1
A 45244		1	3	4	20	.1	28	20	882	7.35	8	5	ND	1	102	1	2	2	42	3.90	.066	7	17	2.62	41	.01	6	3.25	.01	.17	1	1
A 45245		1	3	5	26	.4	46	32	900	6.88	14	8	ND	1	75	1	4	2	33	3.18	.097	5	15	3.50	45	.01	2	3.97	.01	.17	1	2
A 45246		1	2	2	33	.1	63	37	571	8.26	5	5	ND	1	21	1	2	4	33	.73	.118	7	14	4.02	50	.01	5	4.73	.01	.17	1	3
A 45247		1	3	2	24	.1	29	24	948	8.22	2	5	ND	1	80	1	2	2	21	3.49	.061	11	11	3.06	27	.01	3	2.96	.01	.15	1	1
A 45248		1	1	4	31	.1	45	29	759	7.85	5	5	ND	1	78	1	2	2	26	2.49	.109	11	11	3.29	26	.01	11	3.82	.01	.18	1	3
A 45249		1	9	2	43	.1	41	38	945	8.08	5	5	ND	1	102	1	2	2	37	3.33	.095	11	14	3.59	19	.01	2	4.25	.01	.13	1	1
A 45250		1	39	4	44	.1	38	33	965	6.80	4	5	ND	1	118	1	2	2	29	4.26	.089	12	12	2.90	58	.01	2	3.42	.01	.14	1	2
A 45251		1	13	9	73	.4	38	39	1086	7.21	6	8	ND	1	155	1	3	3	27	6.29	.058	6	12	3.53	17	.01	5	3.22	.01	.09	1	2
A 45252		1	14	2	73	.3	42	39	659	7.08	4	5	ND	1	90	1	4	4	28	3.62	.075	7	12	3.38	22	.01	2	3.40	.01	.13	1	1
A 45253		1	103	5	48	.3	27	24	1267	4.63	5	5	ND	1	159	1	3	5	18	13.88	.039	4	8	2.11	31	.01	2	2.33	.01	.09	2	2
A 45254		1	56	2	45	.1	39	34	1170	7.03	4	5	ND	1	83	1	2	2	18	3.82	.065	8	11	3.28	27	.01	2	2.63	.01	.20	1	1
A 45255		1	58	2	30	.3	40	27	1124	6.61	4	5	ND	1	62	1	2	2	16	3.87	.073	8	13	3.03	20	.01	2	2.24	.01	.19	1	2
A 45256		1	7	2	50	.2	50	19	613	7.42	7	5	ND	1	18	1	4	2	26	1.76	.089	8	12	3.73	63	.01	3	4.09	.01	.14	1	1
A 45257		3	153	43	13	.6	39	111	145	21.32	31	5	ND	1	7	1	2	2	9	.21	.029	2	3	.69	5	.01	7	.85	.01	.10	1	1
A 45258		1	32	5	29	.2	54	52	146	6.78	8	5	ND	1	5	1	2	2	17	.31	.106	3	6	1.94	29	.01	2	2.41	.01	.23	1	3
A 45259		1	105	2	51	.1	51	15	682	7.25	3	5	ND	1	20	1	2	2	25	1.77	.100	4	10	3.86	21	.01	2	4.06	.01	.17	1	1
A 45260		6	144	42	12	.4	35	114	352	22.64	31	5	ND	1	10	1	2	6	11	.64	.019	2	9	.80	9	.01	2	.73	.01	.11	1	1
A 45261		1	95	4	33	.3	41	26	1372	6.30	8	5	ND	1	55	1	3	2	19	4.00	.073	6	8	3.45	15	.01	9	2.70	.01	.18	1	3
A 45262		1	98	6	27	.3	40	31	1269	6.49	4	5	ND	1	63	1	2	2	16	4.11	.071	6	11	3.07	18	.01	2	2.14	.01	.16	1	1
A 45301		1	39	6	62	.2	42	35	842	6.87	2	5	ND	1	88	1	2	2	34	3.64	.093	12	13	3.33	146	.01	2	3.95	.01	.12	1	2
A 45302	G90-01	1	90	6	55	.4	31	27	1871	7.68	8	8	ND	1	248	2	2	2	33	12.33	.046	6	10	2.99	50	.01	2	3.14	.01	.05	1	1
A 45303		1	36	2	55	.4	39	36	716	7.13	5	5	ND	1	97	1	3	5	35	4.13	.091	9	14	2.93	28	.01	11	3.39	.01	.14	1	3
A 45304		1	58	2	56	.1	33	44	536	8.06	4	5	ND	1	65	1	2	2	60	2.71	.096	7	17	3.68	13	.01	2	4.07	.01	.06	1	2
A 45306		1	111	13	62	.3	38	40	517	7.93	2	5	ND	1	46	1	2	2	71	2.28	.040	3	14	4.25	28	.01	2	4.77	.01	.02	1	1
A 45307		1	8	2	71	.5	44	41	537	8.76	6	5	ND	1	48	1	3	5	87	2.09	.074	6	19	4.92	16	.01	2	5.37	.01	.03	1	3
A 45308		1	49	3	72	.1	42	40	486	8.57	4	5	ND	1	37	1	2	2	75	1.62	.074	5	17	4.70	10	.01	2	5.19	.01	.03	1	4
STD C/AU-R		18	57	43	132	7.1	68	31	938	4.09	44	23	7	37	47	19	18	22	57	.50	.096	37	56	.90	173	.06	41	1.96	.06	.13	13	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45309	1	189	2	63	.1	41	33	608	7.58	2	5	ND	1	79	1	2	3	58	3.99	.079	6	17	3.60	30	.02	2	3.67	.04	.04	3	1
A 45310	1	3	2	68	.1	40	32	669	7.25	7	5	ND	1	99	1	2	6	48	4.67	.076	7	16	2.99	23	.02	2	2.99	.06	.08	1	1
A 45311	1	1	4	89	.2	44	37	667	8.15	8	5	ND	1	87	1	4	8	57	3.58	.081	8	17	3.42	26	.02	2	3.35	.05	.08	3	1
A 45312	1	13	3	86	.1	43	34	720	7.70	12	5	ND	1	86	1	3	4	55	3.85	.079	6	18	3.66	24	.04	2	3.75	.07	.09	1	1
A 45313	1	11	3	84	.1	40	34	749	6.98	3	5	ND	1	82	1	2	3	52	2.88	.049	5	16	3.89	22	.01	2	4.01	.02	.02	1	1
A 45314	1	44	6	89	.3	44	35	832	7.88	10	9	ND	1	96	1	8	4	49	3.95	.084	9	18	3.29	47	.03	5	3.45	.07	.15	1	1
A 45315	1	19	5	111	.3	46	40	860	8.19	12	8	ND	1	77	1	5	6	63	3.09	.085	10	19	3.83	21	.02	2	3.93	.06	.07	1	2
A 45316	1	50	5	108	.1	41	40	1036	7.40	9	7	ND	1	115	1	2	3	49	5.24	.075	9	16	3.45	35	.03	2	3.63	.07	.08	1	1
A 45317	1	34	4	99	.1	45	38	895	7.98	14	5	ND	1	96	1	5	6	47	3.58	.081	11	17	3.14	32	.03	2	3.27	.06	.10	1	1
A 45318	1	357	6	100	.3	45	43	934	7.95	17	11	ND	1	113	1	7	4	52	4.41	.080	10	19	3.16	30	.03	2	3.40	.06	.09	1	1
A 45319	1	32	2	93	.1	42	39	866	7.72	2	5	ND	1	92	1	2	6	41	3.49	.079	10	16	2.96	28	.02	2	3.11	.05	.07	1	1
A 45320	1	50	2	89	.1	41	35	952	7.42	2	5	ND	1	109	1	2	4	39	4.62	.075	10	16	2.81	37	.03	2	3.02	.06	.10	1	1
A 45321	1	67	2	99	.1	40	33	1031	6.51	2	5	ND	1	113	1	2	3	39	5.99	.071	9	14	3.20	26	.02	2	3.45	.03	.06	1	1
A 45322	1	21	2	112	.1	43	36	812	8.16	2	5	ND	1	70	1	2	2	52	2.96	.079	10	17	3.77	24	.02	2	4.05	.04	.07	1	1
A 45323	1	54	2	135	.1	45	40	961	8.47	10	5	ND	1	80	2	2	2	71	4.20	.080	8	19	4.67	5	.02	3	5.06	.04	.02	1	1
A 45324	1	22	2	86	.1	47	40	723	8.14	9	5	ND	1	67	1	4	5	37	2.80	.086	10	17	3.33	33	.02	3	3.57	.04	.14	1	1
A 45325	1	59	2	76	.1	42	36	894	6.93	10	5	ND	1	110	1	3	3	30	4.94	.076	9	13	3.11	29	.02	2	3.40	.03	.14	1	1
A 45326	1	56	2	82	.1	43	37	813	7.35	11	5	ND	1	93	1	4	4	36	4.07	.078	8	14	3.57	31	.02	6	3.99	.04	.16	1	1
A 45327	1	77	6	77	.3	41	36	795	7.55	20	7	ND	2	83	1	5	5	37	3.79	.082	9	13	3.61	28	.02	4	4.06	.02	.19	1	1
A 45328	1	44	2	56	.1	38	33	981	6.23	2	5	ND	1	121	1	2	2	27	5.91	.072	6	10	2.88	28	.02	2	3.33	.02	.17	1	1
A 45329	1	36	3	50	.1	43	35	961	7.14	7	5	ND	1	115	1	2	2	30	4.84	.078	7	12	2.99	26	.02	2	3.37	.03	.17	1	1
A 45330	1	65	2	52	.1	41	56	920	8.10	2	5	ND	1	97	1	2	2	37	3.28	.084	3	12	3.79	24	.03	3	4.40	.01	.27	1	1
A 45331	1	470	6	47	.1	36	15	2011	8.19	4	7	ND	1	109	2	2	7	36	6.65	.075	5	10	4.75	31	.04	3	4.11	.01	.32	1	1
A 45332	1	141	6	34	.3	27	71	856	6.47	13	5	ND	1	44	1	5	2	34	2.06	.113	5	10	2.93	47	.04	7	3.36	.01	.56	1	1
A 45333	1	8	4	29	.2	23	10	493	4.32	3	5	ND	5	43	1	5	2	20	1.49	.052	21	24	2.27	32	.04	5	2.61	.01	.31	1	1
A 45334	2	70	6	15	.2	18	6	436	2.29	5	5	ND	4	40	1	4	2	7	1.54	.033	13	15	1.31	20	.01	5	1.28	.01	.13	1	1
A 45335	1	105	4	16	.2	15	6	867	2.61	3	5	ND	6	78	1	7	3	12	3.50	.048	24	13	1.97	37	.02	20	1.75	.01	.33	1	1
A 45336	1	9	2	14	.1	12	6	695	2.36	2	5	ND	6	67	1	4	2	8	2.77	.050	23	13	1.84	30	.02	31	1.65	.01	.29	1	1
A 45337	1	22	2	9	.1	12	4	381	1.66	2	5	ND	3	44	1	2	2	8	1.58	.049	22	13	1.20	39	.02	27	1.34	.01	.30	1	1
A 45338	1	30	2	6	.1	8	3	1141	1.70	2	5	ND	3	39	1	2	2	8	4.34	.048	24	8	1.93	72	.01	10	.77	.01	.25	3	1
A 45339	1	4	2	6	.1	9	7	1523	1.88	2	5	ND	2	47	1	2	2	6	6.43	.040	20	6	2.15	103	.01	11	.66	.01	.27	1	2
A 45340	2	7	7	7	.1	13	20	1506	2.06	5	5	ND	3	56	1	3	2	5	5.96	.034	10	4	3.07	22	.01	9	.60	.01	.23	1	1
A 45341	1	180	5	5	.1	10	22	834	1.53	5	5	ND	7	33	1	4	2	5	3.15	.046	12	6	1.71	33	.01	12	.67	.01	.34	1	3
A 45342	1	69	8	8	.1	16	21	744	1.85	13	5	ND	4	44	1	3	2	10	2.76	.056	20	11	1.63	29	.02	10	.96	.01	.36	1	1
A 45343	1	13	4	8	.1	10	11	880	1.84	5	5	ND	5	35	1	5	2	9	3.08	.063	23	8	1.81	32	.02	12	.94	.01	.37	1	2
A 45344	2	12	2	14	.2	17	8	361	2.78	8	5	ND	5	32	1	5	2	9	1.17	.046	11	20	1.79	21	.02	21	1.72	.01	.26	1	1
STD C/AU-R	18	57	37	132	6.6	67	30	958	4.00	42	20	7	37	47	19	18	21	60	.45	.094	38	56	.90	176	.07	38	1.86	.06	.14	13	510

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45345	1	23	2	6	.1	11	10	423	1.86	2	5	ND	4	18	1	2	2	6	1.56	.049	20	9	1.21	25	.01	5	1.02	.01	.29	1	1
A 45346	1	42	7	9	.3	14	12	717	2.67	6	5	ND	3	18	1	2	2	10	2.18	.092	27	10	1.74	54	.01	7	1.41	.01	.28	1	3
A 45347	1	10	3	8	.1	13	16	1085	2.33	10	5	ND	4	24	1	2	2	9	3.22	.062	31	9	1.13	155	.01	2	1.10	.01	.37	1	1
A 45348	1	9	2	8	.1	11	13	896	3.08	6	5	ND	2	33	1	2	2	9	3.07	.047	18	11	1.94	30	.01	4	1.17	.01	.32	1	4
A 45349	1	8	2	7	.1	8	15	738	2.81	2	5	ND	1	20	1	2	2	12	2.26	.057	17	11	1.63	22	.01	3	1.14	.01	.29	1	1
A 45350	1	104	5	7	.4	7	7	1495	3.10	2	5	ND	4	53	1	2	5	9	5.31	.051	19	12	2.37	19	.01	3	.93	.01	.24	1	6
A 45351	1	120	2	5	.1	8	9	519	2.47	2	5	ND	1	16	1	2	4	9	1.70	.067	35	8	1.32	26	.01	5	.98	.01	.31	1	2
A 45352	1	23	2	9	.1	11	10	783	2.82	2	5	ND	2	27	1	2	2	8	2.29	.061	17	12	1.94	67	.01	2	1.34	.01	.20	1	2
A 45353	8	58	2	5	.1	12	21	1074	2.22	3	5	ND	2	23	1	2	2	8	3.26	.063	17	9	1.91	25	.01	3	.86	.01	.28	1	1
A 45354	1	77	2	7	.1	15	27	880	2.69	9	5	ND	1	21	1	2	2	9	2.63	.101	20	7	1.81	25	.01	6	1.08	.01	.30	1	1
A 45355	2	284	3	6	.1	13	35	858	2.68	11	5	ND	1	21	1	2	4	10	2.52	.090	14	7	1.74	22	.02	5	1.03	.01	.31	1	3
A 45356	1	297	4	17	.2	18	36	597	4.80	5	5	ND	1	14	1	2	3	39	1.27	.082	13	22	2.78	22	.02	2	2.49	.01	.27	1	3
A 45357	12	79	11	11	.3	18	95	241	3.84	8	5	ND	2	8	1	2	2	27	.45	.066	17	6	1.64	23	.02	3	1.67	.01	.31	1	4
A 45358	7	61	2	7	.1	14	14	166	3.03	2	5	ND	1	16	1	2	4	23	.89	.244	35	8	1.13	40	.02	2	1.34	.01	.33	2	1
A 45359	1	58	2	6	.3	13	9	206	5.51	3	7	ND	1	28	1	3	6	35	1.19	.304	28	10	.95	87	.09	2	1.10	.01	.43	1	1
A 45360	1	544	3	3	.2	8	6	368	7.96	5	5	ND	1	43	1	2	2	41	1.93	.373	14	10	.73	48	.09	5	.85	.01	.39	1	3
A 45361	1	6495	2	15	1.3	7	15	1604	4.77	5	5	ND	1	110	1	2	4	21	5.17	.205	3	5	2.44	80	.03	2	.79	.01	.27	1	2
A 45362	1	2027	3	13	.5	17	38	208	6.79	5	5	ND	1	24	1	2	4	40	1.02	.275	13	11	1.63	41	.10	6	1.71	.01	.42	1	1
A 45363	1	135	5	6	.1	10	12	245	6.14	3	5	ND	1	31	1	2	6	38	1.24	.270	27	9	1.02	36	.10	9	1.14	.01	.41	1	1
A 45364	2	4344	6	27	1.3	29	37	562	5.66	6	5	ND	1	32	1	4	2	23	1.28	.025	2	5	3.09	53	.01	2	2.94	.01	.05	1	3
A 45365	1	8	2	6	.3	12	11	708	5.32	4	5	ND	1	40	1	2	2	30	2.53	.266	26	11	1.53	36	.07	3	1.08	.01	.37	1	2
A 45366	2	14	2	7	.3	10	13	663	6.62	5	5	ND	1	37	1	2	2	34	2.47	.259	25	11	1.68	27	.10	3	1.17	.01	.45	1	2
A 45367	1	3	2	6	.1	11	12	836	5.55	4	5	ND	1	40	1	2	5	29	2.87	.269	35	10	1.71	25	.06	3	1.09	.01	.45	1	1
A 45368	1	5	2	5	.3	6	11	3547	4.77	4	8	ND	1	227	1	2	2	11	11.28	.077	7	4	4.32	7	.02	2	.52	.01	.16	1	4
A 45369	1	4	4	6	.3	12	13	806	6.27	3	5	ND	1	34	1	4	5	33	2.50	.256	26	10	1.67	36	.09	2	1.16	.01	.48	1	1
A 45370	1	2	2	5	.1	10	14	600	8.09	4	5	ND	1	32	1	2	6	34	1.94	.288	11	11	1.27	112	.10	2	1.07	.01	.45	1	2
A 45371	1	4	3	7	.3	14	17	283	8.02	2	5	ND	1	23	1	2	2	36	1.19	.223	15	10	1.32	88	.12	4	1.25	.01	.55	1	1
A 45372	1	6	3	9	.1	15	18	165	7.68	5	5	ND	1	20	1	2	5	36	.77	.208	15	10	1.42	35	.12	13	1.51	.01	.43	1	2
A 45373	1	3	3	7	.1	14	15	122	8.25	4	5	ND	1	25	1	2	2	39	.87	.271	16	10	1.14	36	.13	5	1.30	.01	.52	1	1
A 45374	1	7	4	8	.2	13	15	386	7.35	4	5	ND	1	22	1	3	4	36	1.36	.196	11	10	1.45	39	.12	2	1.27	.01	.42	1	1
A 45375	1	17	4	8	.1	13	16	654	6.86	5	5	ND	1	31	1	2	2	37	2.09	.247	18	10	1.83	35	.10	2	1.41	.01	.42	1	2
A 45376	1	3	6	10	.1	14	19	812	6.85	3	5	ND	1	31	1	2	7	39	2.17	.217	16	7	2.10	29	.11	2	1.62	.01	.56	1	5

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[redacted] LA[redacted]TOR[redacted] LTD[redacted] 8[redacted]E. [redacted]ING[redacted]T. V[redacted] UVE[redacted].C. [redacted]A 1[redacted] [redacted]NE([redacted]253[redacted]8 [redacted]6([redacted]-17[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JAN 24 1990 DATE REPORT MAILED: Jan 26/90 SIGNED BY: .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0214 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45263	1	12	6	29	.1	33	19	265	6.37	2	5	ND	1	5	1	2	2	18	.23	.083	6	22	3.09	37	.05	2	3.11	.01	.25	1	1
A 45264	1	11	4	20	.1	22	13	405	4.45	4	5	ND	1	54	1	2	2	23	3.26	.209	16	16	1.85	32	.04	2	1.95	.01	.21	1	1
A 45265	1	5	4	25	.1	18	19	414	5.00	6	5	ND	1	52	1	2	2	19	3.42	.468	18	6	2.30	67	.07	2	2.50	.01	.48	1	1
A 45266	1	3	11	23	.1	12	18	316	5.33	9	5	ND	1	40	1	2	2	12	2.68	.566	32	4	2.00	61	.07	3	2.13	.01	.45	1	1
A 45267	1	3	2	13	.1	11	12	330	5.52	6	5	ND	1	71	1	2	2	13	3.06	.404	30	5	1.19	145	.08	4	1.30	.01	.33	1	1
A 45268	1	2	8	22	.1	13	18	316	6.00	6	5	ND	1	40	1	2	3	15	2.57	.541	34	3	2.07	93	.10	2	2.18	.01	.63	1	1
A 45269	1	1	6	34	.1	11	26	336	6.97	7	5	ND	1	31	1	2	2	18	1.95	.548	38	5	3.20	82	.04	6	3.32	.01	.37	1	1
A 45270	1	2	6	32	.2	7	25	279	7.48	7	5	ND	1	33	1	2	2	16	1.67	.559	38	3	2.99	252	.05	6	3.04	.01	.43	1	1
A 45271	1	1	9	30	.3	8	23	309	7.51	6	5	ND	2	38	1	2	2	18	2.03	.572	39	3	2.74	205	.03	3	2.79	.02	.30	2	1
A 45272	1	1	11	31	.1	10	23	294	7.04	8	5	ND	1	52	1	2	2	15	1.68	.527	34	5	2.70	664	.03	9	2.77	.01	.29	1	1
A 45273	1	4	6	34	.1	8	27	337	9.50	14	5	ND	1	61	1	2	4	19	1.74	.458	26	4	2.94	1488	.04	6	3.00	.01	.37	1	1
A 45274	1	197	8	21	.2	10	20	380	7.19	4	5	ND	1	69	1	2	2	14	2.79	.525	29	2	1.78	619	.02	4	1.97	.01	.25	1	2
A 45275	1	382	2	20	.2	8	19	395	6.61	8	5	ND	1	79	1	2	2	12	3.17	.562	30	2	1.64	914	.03	7	1.86	.01	.32	1	7
A 45276	1	2	10	25	.1	9	23	300	7.86	7	5	ND	2	51	1	2	2	15	2.28	.532	30	4	2.12	462	.03	4	2.31	.01	.26	1	1
A 45277	1	4	4	33	.1	11	22	485	7.00	7	5	ND	1	65	1	2	2	16	3.34	.532	33	2	2.75	393	.02	6	3.04	.01	.21	1	1
A 45278	1	1	9	28	.1	9	20	281	7.39	2	5	ND	1	37	1	2	3	18	2.09	.567	31	3	2.44	104	.04	2	2.71	.01	.24	1	1
A 45279	1	1	8	40	.1	13	24	518	4.82	7	5	ND	1	58	1	2	2	14	3.55	.576	20	3	3.38	81	.02	4	3.68	.01	.13	1	1
A 45280	1	1	5	14	.1	11	9	973	3.05	2	5	ND	5	237	1	3	2	9	9.36	.058	23	15	1.29	69	.04	9	1.38	.01	.25	1	1
A 45281	1	2	2	22	.1	15	13	287	3.32	5	5	ND	4	24	1	4	2	9	1.34	.043	17	16	2.00	60	.03	8	1.99	.01	.24	1	2
A 45282	1	4	6	20	.1	17	11	188	3.88	3	5	ND	7	13	1	2	2	12	.59	.060	28	13	1.78	60	.05	5	1.86	.01	.38	1	1
A 45283	1	4	2	20	.2	20	11	222	3.55	4	5	ND	6	17	1	2	2	12	.91	.058	20	19	1.74	93	.04	2	1.80	.01	.33	1	1
A 45284	1	2	2	25	.1	25	13	329	4.11	2	5	ND	4	35	1	2	2	14	1.62	.053	18	30	2.10	116	.04	7	2.11	.01	.29	1	1
A 45285	1	3	2	30	.1	21	14	375	4.59	2	5	ND	4	38	1	2	2	20	1.77	.060	19	19	2.41	60	.05	5	2.45	.01	.38	1	1
A 45286	1	41	5	42	.1	24	17	1067	5.60	5	5	ND	1	174	1	2	2	45	8.76	.129	9	14	2.90	45	.04	2	3.01	.01	.23	1	2
A 45287	1	61	6	54	.1	33	22	705	8.05	9	5	ND	1	85	1	2	2	78	4.14	.116	9	24	3.41	59	.03	2	3.62	.01	.23	1	1
A 45288	1	72	2	65	.2	37	30	724	7.95	5	5	ND	2	86	1	2	2	74	3.98	.132	13	28	3.18	122	.01	6	3.34	.02	.12	1	1
A 45289	1	25	6	87	.1	39	30	771	7.92	6	5	ND	1	82	1	2	9	63	3.87	.130	16	27	2.95	105	.02	14	3.13	.02	.09	1	1
A 45290	1	11	6	105	.1	38	32	768	8.42	5	5	ND	1	59	1	2	2	52	2.52	.134	17	23	2.93	212	.03	4	3.18	.01	.11	1	1
A 45291	1	26	6	115	.1	41	38	998	8.52	6	5	ND	1	76	1	2	2	51	3.15	.129	16	24	3.00	1018	.05	2	3.37	.01	.10	1	1
A 45292	1	20	4	133	.1	39	34	834	9.08	9	5	ND	1	45	1	2	2	64	2.30	.133	15	25	3.49	94	.09	2	3.88	.01	.07	1	1
A 45293	1	27	12	120	.1	38	33	816	8.41	8	5	ND	1	58	1	2	2	59	2.67	.128	17	24	3.14	147	.09	5	3.39	.01	.08	1	1
A 45294	1	27	6	94	.1	42	31	812	8.53	8	5	ND	2	71	1	2	2	54	2.96	.130	19	27	2.72	249	.05	2	2.96	.01	.12	1	1
A 45295	1	39	3	87	.2	36	33	787	8.18	6	5	ND	1	82	1	2	4	47	3.76	.126	14	21	2.92	533	.04	5	3.19	.01	.14	1	1
A 45296	1	194	4	88	.2	36	30	785	6.60	5	5	ND	1	90	1	2	2	74	3.88	.131	7	26	4.23	96	.03	6	4.36	.01	.26	1	1
A 45297	1	7	5	33	.1	21	13	303	4.02	2	5	ND	5	34	1	2	3	29	1.21	.048	21	18	2.20	69	.06	7	2.24	.01	.51	1	1
A 45298	1	7	4	30	.3	17	14	756	5.60	3	5	ND	4	152	1	3	5	28	6.37	.099	14	17	2.16	62	.05	2	2.19	.01	.29	1	1
STD C/AU-R	17	61	38	132	7.2	68	31	926	4.14	37	18	6	37	48	18	16	20	56	.50	.096	36	55	.90	174	.06	38	2.04	.06	.13	13	495

G90-02

[redacted] [redacted] [redacted] [redacted] [redacted]pt[redacted]ese[redacted]h [redacted]ite[redacted]RO[redacted] G[redacted] CP[redacted] [redacted]E #[redacted]-02[redacted] [redacted] [redacted] [redacted] 2 [redacted]

SAMPLE#	[redacted] PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	[redacted] %	K %	W PPM	Au* PPB
A 45299	1	9	2	72	.1	24	34	417	9.85	2	5	ND	1	44	1	2	2	53	1.73	.262	17	16	3.72	134	.05	2	3.99	.01	.49	1	1
A 45300	1	19	2	52	.2	21	29	363	8.43	2	5	ND	2	47	1	2	5	41	2.23	.248	18	13	3.49	163	.05	2	3.68	.01	.44	1	1
A 45377	1	461	7	37	.1	15	17	809	6.45	2	5	ND	2	199	1	2	5	45	7.80	.178	19	10	2.55	28	.03	2	2.49	.01	.18	1	3
A 45378	1	16	2	54	.1	23	26	341	9.31	5	5	ND	2	43	2	3	7	65	1.74	.269	28	16	3.93	38	.07	2	3.76	.01	.47	1	1
A 45379	1	13	2	43	.1	19	22	519	7.53	2	5	ND	2	104	1	2	2	52	3.85	.221	25	14	3.17	27	.05	5	3.01	.01	.33	1	15
A 45380	1	2	3	53	.1	26	27	338	9.21	2	5	ND	2	43	2	2	4	57	1.83	.279	31	19	3.98	45	.07	3	3.93	.01	.64	1	1
A 45381	1	54	2	51	.1	21	35	380	8.21	3	5	ND	1	51	2	2	3	48	2.43	.261	27	13	3.73	56	.10	2	3.73	.01	.76	1	4
A 45382	1	15	5	45	.1	21	23	513	7.50	2	5	ND	2	46	2	2	2	43	4.37	.253	24	11	3.34	53	.09	2	3.38	.01	.71	2	1
A 45383	1	26	2	47	.1	19	25	527	6.65	2	5	ND	2	80	1	2	5	46	4.89	.234	28	12	3.59	49	.07	2	3.71	.01	.62	1	3
A 45384	1	1	2	24	.1	20	11	306	4.83	2	5	ND	5	41	1	2	2	20	2.36	.069	22	17	2.78	49	.09	4	2.66	.01	.73	1	1
A 45385	1	5	7	17	.1	13	8	421	3.15	2	5	ND	5	75	1	2	2	18	4.16	.048	17	12	2.16	177	.07	2	2.02	.01	.64	1	1
A 45386	1	17	4	22	.1	14	10	557	3.25	4	5	ND	5	71	1	3	2	18	6.82	.068	11	12	2.36	692	.05	4	2.25	.01	.45	1	1
A 45387	1	8	6	31	.1	20	13	184	4.01	6	5	ND	1	19	1	2	2	14	1.26	.048	6	9	3.15	57	.09	3	2.82	.01	.95	1	1
A 45388	1	21	5	18	.1	19	10	542	3.16	6	5	ND	5	44	1	2	2	10	5.10	.040	15	13	2.04	139	.06	9	1.66	.01	.56	1	1
A 45389	1	1	2	19	.1	17	6	274	2.98	2	5	ND	6	29	1	2	3	10	2.60	.052	25	11	1.93	85	.05	5	1.81	.01	.55	1	3
A 45390	5	1	6	12	.1	17	27	587	2.65	9	5	ND	5	37	1	2	2	7	4.01	.041	7	8	2.77	239	.02	4	1.24	.01	.35	1	3
A 45391	1	2	2	23	.1	21	12	201	3.44	2	5	ND	3	22	1	2	2	13	1.70	.045	16	13	2.29	85	.08	2	2.22	.01	.80	1	6
A 45392	1	3	2	17	.1	19	13	76	2.99	3	5	ND	5	9	1	3	2	12	.38	.042	22	13	1.71	59	.08	3	1.78	.01	.68	1	2
A 45393	1	1	2	16	.1	13	10	96	3.27	2	5	ND	7	6	1	3	2	11	.58	.042	33	12	1.69	54	.06	4	1.72	.01	.50	1	1
A 45394	1	8	5	53	.1	28	27	301	6.78	3	5	ND	1	22	1	2	5	36	2.03	.180	12	10	4.87	223	.10	5	5.06	.01	1.05	1	1
A 45395	1	1	2	11	.1	8	7	1045	2.41	6	5	ND	4	46	1	2	2	8	9.37	.047	17	8	3.42	150	.02	2	1.06	.01	.28	1	1
A 45396	2	5	5	10	.1	16	18	1044	2.39	6	5	ND	4	61	1	2	6	5	8.22	.034	6	13	4.35	22	.01	8	.85	.01	.19	1	2
A 45397	1	44	16	11	.1	13	16	894	2.33	7	5	ND	6	50	1	2	2	6	6.39	.034	7	9	4.01	21	.01	4	1.02	.01	.26	1	1
A 45398	1	94	6	15	.1	18	14	457	2.16	4	5	ND	6	22	1	2	2	7	3.43	.039	9	13	2.58	23	.03	6	1.45	.01	.44	1	2
A 45399	1	9	9	8	.2	13	19	1079	2.39	6	5	ND	4	54	1	3	2	5	7.76	.032	5	7	4.15	12	.01	7	.73	.01	.20	1	3
A 45400	1	23	2	15	.1	22	9	477	3.13	2	5	ND	4	45	1	2	7	13	3.27	.045	11	13	2.43	29	.04	5	1.58	.01	.43	1	1
A 45401	1	4	2	20	.2	25	15	386	4.23	2	6	ND	4	51	1	2	2	24	2.57	.042	8	18	2.61	150	.07	2	2.09	.01	.53	2	1
A 45402	1	1	4	16	.2	26	14	407	5.53	3	9	ND	4	33	1	3	6	27	2.35	.068	14	20	2.39	355	.06	5	1.62	.01	.44	1	1
A 45403	1	3	3	12	.1	24	12	860	3.30	2	5	ND	3	52	1	2	4	13	4.71	.055	11	9	3.16	302	.04	6	1.28	.01	.40	1	1
A 45404	4	1	6	8	.2	16	19	1520	2.97	7	5	ND	3	70	1	2	2	8	8.86	.037	6	7	4.20	88	.01	8	.74	.01	.23	1	1
A 45405	1	1	2	21	.1	34	20	494	6.79	2	5	ND	1	42	1	2	7	33	2.74	.074	12	16	2.87	186	.06	2	2.14	.01	.50	1	1
A 45406	1	1	12	22	.1	35	23	461	7.74	3	5	ND	1	41	1	2	2	39	2.56	.072	12	19	2.78	129	.05	2	2.19	.01	.44	1	1
A 45407	1	1	4	18	.1	30	19	547	7.27	3	5	ND	2	37	1	2	7	35	2.70	.064	15	14	2.54	177	.04	2	1.73	.01	.34	1	4
A 45408	1	1	5	32	.1	43	29	641	6.66	2	5	ND	1	48	1	2	4	38	3.29	.087	8	14	3.99	92	.06	2	3.05	.01	.49	1	1
A 45409	1	1	4	48	.2	52	36	317	9.05	4	7	ND	2	37	1	2	7	36	1.37	.123	7	12	4.14	104	.07	4	4.21	.01	.43	1	2
A 45410	1	40	4	48	.2	38	40	794	7.01	5	7	ND	1	106	2	3	2	28	4.60	.064	3	12	4.40	817	.02	8	3.89	.01	.15	1	1
STD C/AU-R	18	58	37	133	6.7	67	31	948	4.16	39	19	7	36	47	18	16	16	58	.50	.094	37	55	.91	176	.07	41	2.05	.06	.13	13	520

G90-02

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45411	1	56	8	80	.1	41	34	650	7.10	3	5	ND	1	77	1	2	2	35	3.23	.075	9	16	3.26	20	.01	2	2.98	.01	.11	1	1
A 45412	1	100	6	91	.1	39	33	723	6.39	2	5	ND	1	94	1	2	2	32	3.68	.071	7	15	2.73	27	.02	2	2.53	.01	.12	1	1
A 45413	1	92	6	82	.1	42	34	816	7.08	2	5	ND	1	85	1	2	2	36	3.59	.073	7	16	2.72	25	.01	2	2.53	.01	.13	1	1
A 45414	1	31	4	129	.1	42	39	824	7.52	2	5	ND	1	78	1	2	2	38	2.92	.076	7	16	3.61	23	.01	2	3.30	.01	.11	1	1
A 45415	1	3	7	81	.1	45	35	691	7.56	6	5	ND	1	90	1	2	2	36	3.25	.078	10	18	3.19	98	.01	2	2.91	.01	.14	1	1
A 45416	1	13	6	83	.1	46	35	631	7.12	2	5	ND	1	69	1	2	2	35	2.69	.076	8	20	3.13	68	.02	2	2.82	.01	.12	1	1
A 45417	1	7	5	26	.1	11	12	1631	5.15	4	5	ND	1	100	1	2	2	20	8.15	.031	9	4	3.26	45	.02	2	.75	.01	.16	1	2
A 45418	1	261	9	70	.1	45	68	1148	6.80	3	5	ND	1	89	1	2	2	37	5.32	.069	3	11	3.32	43	.04	2	1.74	.02	.08	1	1
A 45419	1	4	6	60	.1	45	36	620	7.50	2	5	ND	1	48	1	2	2	33	2.11	.081	9	15	3.21	22	.01	2	2.61	.01	.15	2	1
A 45420	1	1	4	48	.1	48	37	511	6.86	2	5	ND	1	34	1	2	2	25	1.66	.080	9	11	3.95	70	.03	2	3.19	.01	.17	2	3
A 45421	1	4	2	44	.1	53	43	838	5.92	5	5	ND	1	27	1	2	2	23	2.43	.080	9	10	5.17	123	.03	2	3.73	.01	.22	1	2
A 45422	1	4	7	45	.1	45	37	350	7.30	2	5	ND	1	16	1	2	2	27	.90	.066	9	11	3.77	98	.08	2	3.15	.01	.36	2	2
A 45423	1	3	4	40	.1	50	37	357	7.31	4	5	ND	1	15	1	2	2	25	.88	.096	6	10	3.83	27	.07	2	3.21	.01	.29	1	1
A 45424	1	2	7	33	.1	39	28	367	7.50	8	5	ND	2	19	1	2	2	28	1.14	.094	7	11	2.85	34	.10	2	2.27	.01	.33	1	2
A 45425	1	3	5	47	.1	52	48	466	6.67	2	5	ND	1	43	1	2	2	23	1.18	.087	3	13	5.24	1018	.04	5	4.39	.01	.34	1	1
A 45426	1	4	2	18	.2	13	13	473	2.08	2	8	ND	7	31	1	5	2	7	1.91	.053	29	14	1.97	336	.01	6	1.17	.01	.29	1	3
A 45427	1	4	6	19	.1	17	15	324	2.89	2	5	ND	3	51	1	2	2	11	1.49	.049	15	18	2.21	497	.02	3	1.69	.01	.20	2	2
A 45428	3	1	4	11	.1	9	6	1336	1.36	2	5	ND	3	64	1	2	2	4	5.70	.039	20	5	3.06	40	.01	4	.58	.01	.13	1	1
A 45429	2	731	13	7	.3	12	18	1117	1.38	5	5	ND	6	54	1	3	3	4	4.30	.043	9	6	2.54	31	.01	8	.59	.01	.21	1	4
A 45430	1	459	7	13	.3	17	16	689	1.45	6	5	ND	7	35	1	4	2	5	2.72	.043	13	7	2.11	28	.01	7	.85	.01	.25	2	3
A 45431	1	25	5	12	.1	13	9	539	1.64	7	5	ND	6	21	1	5	2	9	2.08	.063	31	9	2.04	41	.01	7	1.15	.01	.34	1	1
A 45432	1	21	3	18	.3	14	9	608	2.26	3	6	ND	6	25	1	5	2	10	2.25	.051	31	12	2.29	195	.04	6	1.23	.01	.45	1	2
A 45433	1	8	5	15	.2	13	14	235	2.53	2	5	ND	6	16	1	3	2	9	.67	.048	28	11	1.44	303	.04	10	1.12	.01	.33	1	1
A 45434	1	9	3	11	.1	11	8	311	2.90	2	5	ND	5	14	1	2	2	13	1.04	.067	35	11	1.06	56	.06	11	.84	.01	.43	1	3
A 45435	1	2	6	11	.2	13	9	448	3.34	2	6	ND	5	19	1	4	2	14	1.54	.074	36	11	1.39	53	.07	11	.88	.01	.46	1	1
A 45436	1	2	2	14	.1	14	8	633	3.80	2	5	ND	3	27	1	2	2	18	2.35	.058	32	14	1.70	58	.07	4	.89	.01	.46	1	2
A 45437	1	3	2	7	.1	9	6	704	3.08	2	5	ND	3	29	1	2	2	13	2.53	.060	42	11	1.45	50	.05	6	.58	.01	.30	1	1
A 45438	1	4	6	20	.1	20	16	358	3.69	2	5	ND	4	18	1	2	2	16	1.13	.062	27	15	1.72	147	.06	4	1.26	.01	.39	2	3
A 45439	1	3	5	13	.3	18	16	505	3.12	4	7	ND	6	24	1	4	2	14	1.59	.065	29	17	1.47	80	.06	5	.90	.01	.42	1	2
A 45440	1	2	4	11	.2	15	10	326	3.82	9	6	ND	6	21	1	4	2	22	1.22	.096	32	16	1.07	102	.10	6	.89	.01	.61	1	2
A 45441	1	3	2	9	.1	14	8	133	4.62	3	5	ND	3	14	1	2	2	32	.54	.125	38	13	.62	108	.12	7	.82	.01	.61	1	3
A 45442	1	6	4	32	.3	38	19	506	6.37	3	5	ND	1	24	1	2	2	23	1.08	.099	7	15	3.29	46	.02	3	3.33	.01	.24	1	2
A 45443	1	49	6	24	.1	24	13	1932	6.73	9	5	ND	1	123	1	2	2	17	6.24	.070	3	7	4.31	70	.02	2	2.09	.01	.17	1	3
A 45444	1	5	9	34	.1	37	18	917	7.38	2	5	ND	1	55	1	2	5	26	3.00	.093	12	12	3.93	27	.01	2	3.05	.01	.17	2	3
A 45445	1	20	4	32	.1	39	34	1057	7.03	2	5	ND	1	78	1	2	2	20	3.32	.089	12	14	2.96	34	.01	2	2.03	.01	.17	1	2
A 45446	1	15	12	65	.1	43	36	769	7.69	2	5	ND	1	88	1	2	3	34	3.22	.092	13	16	3.19	51	.01	2	3.32	.02	.14	1	3
STD C/AU-R	19	62	44	133	6.7	68	30	1011	3.90	43	22	6	38	49	19	16	22	61	.44	.094	39	52	.90	175	.07	38	1.84	.06	.14	13	530

G90-02

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JAN 25 1990 DATE REPORT MAILED: Jan 31, 1990 SIGNED BY. D. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0223 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45484	1	10	2	8	.1	14	9	1180	2.86	2	5	ND	1	26	1	2	2	7	2.96	.054	9	9	1.96	77	.01	3	1.03	.01	.14	1	5
A 45485	1	13	2	8	.1	18	14	2221	3.52	9	5	ND	1	29	1	2	2	7	3.49	.050	13	8	1.94	286	.01	3	.96	.01	.12	1	5
A 45486	2	19	2	10	.1	24	28	309	3.82	14	5	ND	3	10	1	2	2	8	.22	.075	11	17	1.32	520	.01	2	1.44	.01	.15	1	6
A 45487	1	40	2	10	.1	25	33	819	4.31	18	5	ND	1	11	1	2	2	9	.33	.107	11	11	1.29	730	.01	2	1.39	.01	.12	1	6
A 45488	1	81	14	12	.1	23	54	2726	7.12	17	5	ND	1	8	1	2	2	13	.31	.116	7	10	1.23	24	.01	7	1.56	.01	.21	1	6
A 45489	2	131	26	9	.1	24	78	181	7.37	13	5	ND	1	7	1	2	3	9	.28	.098	6	8	1.00	20	.01	2	1.18	.01	.16	1	5
A 45490	7	128	32	6	.2	26	109	1601	11.06	22	5	ND	1	5	1	2	4	10	.13	.066	3	8	.47	1	.01	2	.71	.01	.14	1	8
A 45491	3	99	33	9	.1	23	66	930	10.79	11	5	ND	1	9	1	2	2	8	.15	.080	4	6	.56	10	.01	4	.84	.01	.14	1	6
A 45492	2	74	18	6	.1	25	62	850	6.25	2	5	ND	1	14	1	2	2	12	.47	.170	9	8	.60	33	.01	2	.88	.01	.20	1	5
A 45493	6	74	40	8	.1	51	147	203	14.39	8	5	ND	1	7	1	2	2	17	.26	.132	5	8	.54	5	.01	2	.88	.01	.19	1	4
A 45494	1	8	2	4	.1	12	20	793	9.54	2	5	ND	3	15	1	2	2	33	.33	.118	19	12	.49	207	.01	6	.74	.01	.20	1	1
A 45495	9	35	21	5	.1	43	100	1999	10.60	10	5	ND	2	11	1	2	2	27	.22	.081	5	12	.50	49	.01	6	.73	.01	.18	1	4
A 45496	2	27	19	3	.1	22	58	402	7.79	5	5	ND	2	13	1	2	2	27	.42	.144	10	15	.52	56	.01	3	.81	.01	.23	1	2
A 45497	1	13	2	6	.1	9	10	242	10.69	3	5	ND	1	23	1	2	2	29	.94	.359	27	8	.35	97	.02	4	.69	.01	.25	1	6
A 45498	1	42	7	3	.1	6	6	511	7.10	4	5	ND	1	27	1	2	2	32	1.00	.345	27	10	.24	129	.04	9	.60	.01	.27	1	1
A 45499	1	67	2	1	.1	4	6	94	9.01	3	5	ND	2	26	1	2	2	35	.86	.290	22	10	.10	54	.03	3	.48	.01	.28	2	1
A 45500	1	71	8	6	.1	12	34	545	8.20	8	5	ND	1	23	1	2	7	24	.90	.310	30	6	.42	91	.01	4	.73	.01	.27	1	2
B 49001	1	37	5	7	.2	12	16	252	8.13	4	5	ND	2	22	1	3	2	35	.93	.324	22	12	.57	54	.05	3	.86	.01	.25	1	1
B 49002	1	19	2	9	.1	16	12	537	8.59	2	5	ND	1	25	1	2	3	39	.87	.302	19	13	1.01	101	.05	2	1.29	.01	.22	1	1
B 49003	1	8	8	13	.1	16	20	696	10.08	4	5	ND	1	29	1	2	2	38	.83	.306	15	12	1.11	157	.05	2	1.41	.01	.20	1	1
B 49004	1	15	10	11	.1	15	33	438	9.42	2	5	ND	1	39	1	2	2	31	.80	.295	13	10	.90	1279	.03	5	1.19	.01	.23	1	3
B 49005	17	16	17	7	.1	20	49	1084	8.51	2	5	ND	1	32	1	2	2	29	.70	.250	8	6	.70	236	.01	2	.91	.01	.21	2	2
B 49006	2	11	12	11	.1	14	25	625	8.77	4	5	ND	1	23	1	2	4	33	.73	.263	18	8	1.21	123	.03	2	1.43	.01	.19	1	1
B 49007	1	7	11	9	.1	9	14	1376	9.66	7	5	ND	1	19	1	2	5	26	.72	.256	19	7	1.15	242	.03	4	1.33	.01	.19	1	2
B 49008	1	2	2	5	.1	7	11	1528	9.23	2	5	ND	1	18	1	2	2	20	1.56	.231	18	4	.69	317	.01	2	.84	.01	.18	2	1
B 49009	1	2	10	6	.1	9	18	2595	9.23	6	5	ND	1	24	1	2	2	24	.69	.227	13	6	.75	661	.03	7	.96	.01	.20	1	1
B 49010	1	11	17	7	.1	11	23	2644	9.96	4	5	ND	1	28	1	2	2	32	.74	.259	12	11	.64	544	.06	6	.87	.01	.21	2	1
B 49011	2	43	10	14	.3	16	14	3319	6.64	2	5	ND	1	12	1	2	2	23	.25	.088	4	6	2.05	51	.02	2	2.01	.01	.06	1	1
B 49012	1	14	2	6	.1	10	13	591	9.95	5	5	ND	2	25	1	2	2	31	.75	.263	17	8	.67	137	.05	2	.92	.01	.22	1	1
B 49013	1	16	6	8	.1	10	14	1031	8.55	2	5	ND	1	20	1	2	2	27	1.49	.242	16	10	1.07	208	.04	2	1.24	.01	.16	1	1
B 49014	1	3	2	7	.1	8	13	1892	8.59	2	5	ND	1	27	2	2	2	28	3.22	.241	19	6	1.46	355	.03	2	1.25	.01	.22	1	1
B 49015	1	158	11	8	.1	11	12	1477	8.76	6	5	ND	1	28	1	2	2	30	1.72	.236	12	10	1.40	331	.04	4	1.48	.01	.18	1	2
B 49016	1	991	4	14	.3	15	16	1097	10.11	5	5	ND	1	26	2	2	3	30	1.00	.170	7	8	1.72	187	.04	3	1.84	.01	.15	1	5
B 49017	1	19	10	37	.6	25	36	6855	11.49	17	11	ND	1	8	6	2	4	45	2.08	.040	2	3	5.93	849	.01	6	6.46	.01	.07	6	2
B 49018	1	11	4	7	.1	10	9	2548	7.13	2	5	ND	1	36	2	2	2	25	2.15	.235	17	9	1.58	472	.03	2	1.20	.01	.20	1	3
B 49019	1	157	2	11	.2	16	19	1382	8.62	2	5	ND	1	58	2	2	3	29	1.83	.177	9	8	1.85	234	.05	2	1.98	.01	.15	1	5
STD C/AU-R	19	63	38	132	7.6	68	31	961	4.34	43	18	7	36	45	19	15	22	58	.51	.092	35	52	.92	174	.07	39	1.96	.06	.13	13	510

G90-03

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49020	3	33	2	11	.3	13	36	3414	10.29	3	5	ND	1	34	1	3	2	27	.64	.225	13	18	1.49	253	.04	2	1.47	.01	.13	1	1
B 49021	1	2	13	11	.2	16	20	1227	9.38	2	5	ND	1	41	1	5	2	32	1.35	.226	10	19	2.44	27	.05	3	1.91	.01	.15	1	3
B 49022	1	4	2	11	.2	16	34	1296	8.21	6	5	ND	1	41	1	3	2	31	1.25	.225	9	17	2.60	31	.04	2	2.01	.01	.16	1	1
B 49023	5	12	11	16	.4	18	69	2840	10.21	2	5	ND	1	38	1	6	2	22	.77	.153	5	17	3.61	25	.01	7	1.89	.01	.17	1	1
B 49024	1	6	8	15	.4	16	32	2056	10.08	2	5	ND	1	26	1	5	2	29	1.01	.209	12	15	2.95	26	.02	6	1.77	.01	.15	1	3
B 49025	8	9	7	15	.6	15	46	2176	9.57	7	5	ND	1	30	1	6	2	25	1.29	.209	13	14	2.85	22	.01	4	1.61	.01	.16	1	3
B 49026	1	2	6	13	.4	8	10	3178	7.63	3	5	ND	1	54	1	6	2	19	2.84	.218	29	12	3.30	26	.01	4	1.03	.01	.22	1	3
B 49027	1	13	6	12	.4	20	75	2417	11.41	3	5	ND	1	49	1	6	2	33	1.63	.298	16	19	2.61	60	.02	4	2.06	.01	.16	1	2
B 49037	1	4	2	10	.2	11	12	2082	6.35	5	5	ND	1	56	1	5	2	20	2.87	.233	13	14	3.12	37	.01	4	1.72	.01	.18	1	1
B 49038	3	149	10	14	.6	23	83	2334	10.60	7	5	ND	1	34	1	5	2	24	1.81	.227	6	21	2.17	17	.01	5	1.95	.01	.16	1	1
B 49039	2	54	9	13	.2	15	50	1279	7.24	7	5	ND	1	29	1	6	2	24	1.41	.232	11	15	2.41	93	.01	5	1.92	.01	.18	1	1
B 49040	10	158	33	16	.6	25	115	1662	11.06	5	5	ND	1	55	1	6	2	24	2.38	.193	8	18	3.11	23	.01	5	1.96	.01	.16	1	1
B 49041	1	10	2	12	.3	14	30	1843	6.91	5	5	ND	1	39	1	5	2	25	1.92	.235	14	11	2.67	148	.01	5	2.09	.01	.17	1	1
B 49042	1	1	3	11	.3	11	11	2545	7.25	2	5	ND	1	50	1	4	2	22	2.74	.219	17	11	3.08	43	.01	4	1.57	.01	.18	1	1
B 49043	2	1	2	13	.1	5	10	3625	7.13	2	5	ND	1	50	1	5	2	16	2.19	.219	27	7	3.47	24	.01	5	.88	.01	.22	1	1
B 49044	1	3	6	9	.4	14	14	2934	8.85	2	5	ND	1	47	1	7	2	26	2.44	.195	12	11	4.09	26	.01	6	1.95	.01	.15	1	11

G90-03

[redacted] ACME ANA[redacted]CAL LABORATORIES LTD. 852 E. HASTINGS ST. VA[redacted]UVER B.C. [redacted] V6A 1R6 [redacted] PHONE([redacted])253-[redacted]158 FAX([redacted])[redacted]-1[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JAN 26 1990 DATE REPORT MAILED: Jan 30/90 SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0230 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49028	1	7	12	12	.3	15	21	1707	9.98	2	5	ND	1	38	1	2	2	33	1.82	.195	12	17	3.08	27	.04	4	2.12	.01	.18	1	3
B 49029	1	32	25	16	.3	16	83	2091	9.26	5	5	ND	1	46	1	2	2	24	2.11	.191	9	16	3.05	27	.02	4	1.84	.01	.21	1	3
B 49030	1	3	2	8	.3	11	12	1930	7.46	2	5	ND	1	63	1	2	2	27	2.81	.209	18	13	2.97	25	.02	3	1.62	.01	.22	1	2
B 49031	1	24	10	14	.4	14	15	1458	9.03	3	5	ND	1	49	1	2	2	32	1.86	.232	19	16	2.60	26	.03	2	2.05	.01	.21	1	1
B 49032	1	336	19	13	.2	19	24	1127	9.52	2	5	ND	1	42	1	4	3	35	1.36	.170	48	16	3.65	65	.01	2	3.63	.01	.17	1	1
B 49033	1	341	8	14	.4	13	17	1650	9.67	2	5	ND	1	52	1	4	2	31	2.77	.192	11	17	3.19	34	.03	2	1.96	.01	.18	1	1
B 49034	1	67	5	8	.4	11	20	1697	7.95	2	5	ND	1	57	1	2	2	28	2.99	.201	14	13	2.97	38	.02	4	1.73	.01	.21	1	2
B 49035	1	73	12	13	.3	14	22	1350	9.09	2	5	ND	1	45	1	2	2	35	1.71	.229	19	18	2.52	141	.02	2	2.51	.01	.17	3	1
B 49036	1	2	8	18	.2	14	15	2101	8.60	2	5	ND	1	55	1	3	2	29	2.31	.212	19	16	2.65	211	.01	2	2.55	.01	.17	1	1
B 49045	1	2	15	15	.3	21	14	1977	9.52	2	5	ND	1	40	1	2	2	35	1.45	.235	11	15	4.25	25	.01	2	3.53	.01	.19	1	1
B 49046	1	4	7	6	.1	22	4	378	2.90	3	5	ND	9	19	1	2	2	13	4.48	.056	29	23	1.47	72	.01	2	2.01	.01	.14	1	2
B 49047	1	9	15	3	.1	15	4	221	2.31	3	5	ND	10	26	1	2	2	11	5.02	.037	29	18	1.04	40	.01	2	1.49	.01	.18	2	1
B 49048	2	22	4	2	.1	13	4	372	2.34	8	5	ND	10	10	1	2	2	9	3.12	.022	30	18	1.09	44	.01	2	1.16	.01	.19	2	1
B 49049	1	26	5	4	.2	14	7	536	2.50	8	5	ND	7	46	1	2	2	7	9.75	.024	12	15	.76	29	.01	2	.96	.01	.15	1	2
B 49050	1	3	6	6	.1	12	8	683	2.08	10	5	ND	4	77	1	2	2	8	18.60	.027	11	13	.79	14	.01	2	.97	.01	.08	1	3
B 49051	1	7	2	6	.1	10	3	34	2.49	6	5	ND	11	10	1	2	2	10	.18	.032	27	17	.56	34	.01	3	1.09	.01	.16	1	2
B 49052	1	32	2	3	.1	18	6	35	2.39	4	5	ND	10	8	1	2	2	10	.14	.031	24	18	.62	37	.01	2	1.14	.01	.17	1	1
B 49053	1	20	4	6	.1	12	1	23	1.84	3	5	ND	12	4	1	2	3	8	.13	.030	30	13	.44	40	.01	3	.90	.01	.19	2	1
B 49054	1	9	6	11	.1	19	6	63	2.93	2	5	ND	11	4	1	2	2	15	.15	.040	27	26	1.39	33	.01	2	1.87	.01	.13	1	3
B 49055	1	5	6	3	.1	22	8	60	3.16	4	5	ND	9	6	1	2	2	17	.11	.043	19	31	1.60	25	.01	3	2.01	.01	.12	1	1
B 49056	1	14	12	6	.1	25	12	60	3.84	4	5	ND	7	6	1	2	2	14	.09	.040	12	25	1.71	27	.01	3	2.16	.01	.13	1	4
B 49057	1	9	9	4	.1	16	7	41	2.19	4	5	ND	10	8	1	2	2	11	.10	.044	21	23	.96	33	.01	4	1.45	.01	.17	1	3
B 49058	2	8	7	1	.1	31	17	216	1.84	6	5	ND	7	8	1	2	2	14	.98	.064	19	24	.68	13	.01	2	.98	.02	.05	1	2
B 49059	1	4	3	1	.1	19	11	67	1.79	2	5	ND	11	3	1	2	2	16	.19	.053	20	30	.98	18	.01	5	1.17	.01	.09	1	2
B 49060	1	4	8	5	.1	21	9	65	2.25	2	5	ND	9	3	1	2	2	17	.13	.051	14	31	1.13	16	.01	5	1.34	.01	.07	1	1
B 49061	1	15	2	4	.1	30	14	62	3.03	7	5	ND	10	3	1	2	2	14	.17	.053	14	29	1.09	25	.01	4	1.42	.01	.12	1	1
B 49062	1	7	5	5	.1	21	7	38	2.08	4	5	ND	12	2	1	2	2	10	.11	.040	19	22	.90	34	.01	4	1.26	.01	.15	1	1
B 49063	1	9	4	7	.1	22	10	38	2.08	2	5	ND	10	2	1	2	2	9	.11	.043	24	19	.90	37	.01	4	1.30	.01	.19	1	1
B 49064	1	24	4	2	.1	39	43	40	3.36	8	5	ND	9	1	1	2	2	10	.10	.036	14	20	1.01	31	.01	3	1.35	.01	.16	1	2
B 49065	1	68	3	4	.1	44	16	42	3.76	5	5	ND	9	2	1	2	2	12	.10	.038	13	25	1.03	40	.01	6	1.46	.01	.20	1	2
B 49066	1	3	3	3	.1	22	16	42	2.58	7	5	ND	10	2	1	2	2	10	.12	.037	18	24	1.17	30	.01	4	1.52	.01	.15	1	1
B 49067	2	52	11	6	.1	42	16	48	4.14	7	5	ND	10	2	1	3	2	18	.14	.040	8	31	1.79	22	.01	3	2.00	.01	.11	2	2
B 49068	1	34	6	3	.1	33	14	128	5.15	3	5	ND	11	4	1	4	2	38	.53	.054	4	36	3.17	12	.01	2	3.16	.01	.04	1	2
B 49069	1	3	5	7	.3	10	9	1120	3.66	12	5	ND	5	22	1	3	2	21	8.78	.043	6	19	4.71	5	.01	2	.97	.01	.01	1	1
B 49070	1	7	9	2	.1	10	10	1178	3.13	9	5	ND	4	20	1	2	4	20	10.12	.042	5	18	4.73	6	.01	2	.65	.01	.01	1	3
B 49071	1	7	7	1	.2	9	10	1247	2.57	14	5	ND	4	19	1	2	6	13	10.64	.051	4	14	4.80	3	.01	2	.31	.01	.01	1	1
STD C/AU-R	18	59	35	130	6.8	67	31	959	3.98	42	22	8	37	48	19	16	22	58	.45	.094	38	56	.83	176	.07	39	1.91	.06	.14	13	480

G90-04

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49072	1	16	5	3	.3	7	8	1711	3.20	20	5	ND	5	23	1	2	13	15	13.96	.032	3	14	6.70	2	.01	2	.31	.02	.01	1	2
B 49073	1	10	12	3	.2	10	9	1707	3.01	22	5	ND	4	22	1	2	2	12	14.04	.030	4	11	6.72	6	.01	4	.23	.02	.04	1	1
B 49074	1	13	11	3	.2	7	14	1836	3.13	21	5	ND	4	32	1	2	7	7	15.94	.036	6	6	7.62	5	.01	3	.12	.01	.02	1	1
B 49075	1	6	5	2	.3	8	7	1078	2.46	14	5	ND	6	35	1	2	2	6	11.14	.067	6	6	4.84	10	.01	2	.17	.01	.06	2	1
B 49076	1	2	2	1	.1	7	4	503	1.66	6	5	ND	6	19	1	2	2	5	5.49	.065	15	9	2.18	18	.01	2	.53	.01	.09	1	1
B 49077	1	1	2	1	.1	9	3	300	1.36	8	5	ND	6	12	1	2	2	5	4.45	.061	19	7	1.27	24	.01	2	.62	.01	.12	2	1
B 49078	1	1	2	1	.1	12	3	390	1.53	2	5	ND	7	22	1	2	4	5	5.05	.063	12	6	2.40	30	.01	2	.44	.01	.18	1	1
B 49079	1	2	2	1	.1	12	4	318	1.42	3	5	ND	6	19	1	2	2	6	4.48	.050	13	9	2.21	37	.01	10	.57	.01	.24	2	1
B 49080	1	2	5	2	.2	14	4	359	1.54	6	5	ND	6	23	1	2	2	5	5.21	.046	11	8	2.55	32	.01	4	.50	.01	.20	1	2
B 49081	1	14	2	1	.1	9	5	788	2.21	6	5	ND	4	32	1	2	2	5	10.63	.044	8	5	4.43	18	.01	2	.24	.01	.11	1	1
B 49082	1	5	7	2	.1	9	7	1286	2.52	15	5	ND	4	34	1	2	2	8	15.82	.032	5	6	7.67	5	.01	2	.14	.01	.03	1	1
B 49083	1	4	5	1	.1	5	4	1479	2.09	8	5	ND	3	26	1	2	5	8	16.21	.030	7	8	7.29	2	.01	2	.15	.01	.01	1	1
B 49084	1	1	3	1	.1	6	5	1123	2.38	2	5	ND	3	36	1	2	2	7	16.21	.024	3	7	8.58	10	.01	5	.07	.01	.02	1	1
STD C/AU-R	19	63	43	132	7.7	72	31	1021	4.29	42	16	8	36	45	18	15	18	59	.52	.094	35	53	.92	175	.07	39	1.92	.06	.13	13	480

G90-04

ACME AN[redacted]CAL LABORATORIES LTD. 852 E. HASTINGS ST. [redacted]OUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX [redacted]253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JAN 31 1990 DATE REPORT MAILED: Feb 5/90. SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 90-0271 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45004	13	102	185	503	.5	23	12	357	2.77	3	5	ND	13	3	2	2	3	14	.34	.030	28	17	.45	106	.07	3	1.41	.01	.46	1	2
A 45005	7	78	19	51	.1	27	11	393	2.82	5	5	ND	12	2	1	2	4	14	.35	.045	26	18	.58	100	.09	4	1.46	.01	.53	1	2
A 45006	1	46	25	111	.1	24	12	481	3.45	4	5	ND	10	11	1	2	2	20	.20	.019	26	24	.65	80	.12	2	1.72	.03	.60	1	3
A 45007	2	5	10	34	.1	12	5	318	1.58	6	5	ND	7	4	1	2	2	12	.35	.011	12	20	.28	13	.07	3	.70	.02	.06	1	2
A 45008	2	17	8	87	.1	18	9	359	3.10	5	5	ND	14	3	1	2	2	16	.29	.030	26	19	.57	47	.10	2	1.45	.01	.29	1	3
A 45009	1	34	14	102	.1	19	11	311	3.53	5	5	ND	16	2	1	3	3	21	.09	.028	31	21	.68	106	.13	5	1.90	.01	.97	1	1
A 45010	1	454	32	159	.5	38	44	571	7.41	2	5	ND	10	3	1	6	2	44	.30	.072	17	41	1.18	46	.12	2	2.85	.05	.99	1	2
A 45011	3	170	16	58	.2	17	9	201	1.88	5	5	ND	5	8	1	2	2	13	.70	.015	8	20	.34	14	.07	6	1.40	.05	.22	1	1
A 45012	1	43	14	71	.1	12	4	363	1.93	8	5	ND	9	14	1	3	2	18	1.04	.012	12	29	.41	43	.12	2	2.48	.15	.57	1	1
A 45013	3	96	18	38	.1	11	3	86	.83	5	5	ND	5	13	1	2	3	5	1.19	.006	6	13	.11	2	.07	4	1.41	.03	.07	1	1
A 45014	1	11	18	83	.1	15	5	347	1.96	13	5	ND	3	16	1	4	5	31	1.42	.055	12	21	.43	42	.12	2	2.98	.15	.62	1	1
A 45015	1	3	42	46	.1	19	7	298	2.16	9	6	ND	12	2	1	2	4	15	.28	.019	32	20	.44	56	.09	7	1.30	.02	.41	1	1
A 45016	5	65	28	60	.1	22	10	349	3.28	9	5	ND	11	4	1	2	2	27	.22	.038	22	30	.94	177	.16	8	1.68	.04	.79	1	1
A 45017	2	104	57	98	.1	20	14	409	3.90	6	5	ND	9	13	1	4	2	40	.42	.049	15	38	1.09	238	.16	8	2.08	.08	.85	1	1
A 45018	2	49	11	46	.1	20	9	281	2.87	4	5	ND	12	9	1	2	2	31	.17	.030	26	32	.89	124	.16	5	1.56	.04	.66	2	1
A 45917	2	29	51	73	.1	14	6	260	1.47	8	5	ND	7	7	1	2	2	10	.77	.020	13	17	.29	19	.07	4	1.35	.02	.24	1	1
A 45918	1	564	1244	101	3.2	106	105	385	14.11	5	5	ND	6	9	1	5	6	19	.45	.029	10	34	.82	24	.09	6	2.04	.05	.47	1	2
A 45919	1	23	10	145	.1	12	7	366	3.99	2	7	ND	19	2	1	2	2	18	.12	.031	31	19	.68	78	.12	2	1.89	.01	.94	1	1
A 45920	1	6	40	116	.1	9	4	351	2.72	5	6	ND	18	3	1	2	4	15	.16	.035	34	17	.61	59	.09	3	1.55	.01	.67	1	1
A 45921	1	24	72	130	.1	18	9	373	3.34	5	8	ND	16	2	1	2	3	15	.12	.029	43	18	.68	66	.09	2	1.60	.01	.73	1	2
A 45922	2	37	292	387	1.0	20	10	556	4.26	4	5	ND	9	4	3	2	2	27	.23	.042	22	28	.98	70	.11	2	1.79	.03	.69	1	1
A 45923	2	71	2021	1394	5.4	25	13	465	4.84	6	5	ND	8	6	12	3	17	27	.32	.038	16	30	.97	62	.11	3	1.73	.04	.71	1	3
A 45924	3	39	231	300	.6	20	10	337	3.18	6	5	ND	11	3	3	2	2	13	.23	.039	28	17	.71	57	.08	2	1.34	.01	.55	1	2
B 49085	1	1	17	10	.3	4	3	1000	1.76	4	5	ND	1	37	1	2	2	5	16.07	.024	2	3	7.84	16	.01	3	.07	.01	.03	1	2
B 49086	1	1	3	6	.3	5	4	896	1.78	3	5	ND	3	36	1	2	2	6	14.92	.027	2	3	7.16	7	.01	5	.07	.01	.03	1	1
B 49087	1	2	3	5	.2	6	4	794	1.57	5	5	ND	4	27	1	2	2	6	12.49	.036	3	4	5.31	7	.01	2	.25	.01	.03	1	1
B 49088	1	3	9	1	.2	7	5	1057	1.75	2	5	ND	2	19	1	2	2	9	15.32	.024	7	4	7.47	2	.01	2	.18	.01	.01	1	2
B 49089	1	1	2	2	.1	6	5	854	1.47	5	5	ND	2	35	1	2	2	7	16.73	.026	2	4	8.13	5	.01	8	.03	.01	.01	1	1
B 49090	1	1	2	5	.2	4	3	754	1.20	2	5	ND	1	42	1	2	2	7	17.03	.019	2	3	8.35	10	.01	5	.02	.01	.01	1	3
B 49091	1	1	8	3	.2	3	2	796	1.28	4	5	ND	1	50	1	2	2	7	17.35	.015	2	2	8.61	14	.01	4	.02	.01	.01	1	1
B 49092	1	2	3	6	.2	5	6	836	1.73	4	5	ND	3	30	1	2	2	6	16.05	.024	3	2	7.71	4	.01	7	.07	.01	.02	1	1
B 49093	1	1	9	4	.2	3	2	1202	1.70	5	5	ND	1	27	1	2	2	4	16.24	.016	6	1	6.97	4	.01	3	.11	.01	.03	1	1
B 49094	1	3	5	7	.2	6	4	1188	2.03	37	5	ND	2	22	1	2	2	4	19.07	.024	9	4	4.62	8	.01	3	.29	.01	.05	1	1
B 49095	1	1	3	2	.3	5	5	1235	1.73	2	5	ND	3	24	1	2	2	6	16.36	.026	6	6	7.43	2	.01	8	.04	.02	.01	2	4
B 49096	1	1	10	1	.2	6	5	700	1.62	5	5	ND	2	38	1	2	2	6	17.05	.020	2	5	8.07	5	.01	9	.06	.01	.01	1	2
B 49097	1	2	3	1	.1	11	7	485	1.25	2	5	ND	6	27	1	2	2	6	10.94	.040	3	5	5.00	11	.01	9	.09	.02	.03	1	3
STD C/AU-R	17	59	44	127	7.1	66	30	947	4.06	42	21	7	36	47	18	16	22	57	.45	.091	36	55	.82	173	.06	37	1.91	.06	.14	13	530

G90-04

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49098	1	3	2	3	.1	12	7	531	1.21	2	8	ND	7	30	1	2	2	5	10.70	.033	3	5	5.47	10	.01	6	.10	.01	.05	1	2
B 49099	1	3	4	3	.1	6	4	778	1.30	2	6	ND	3	36	1	2	2	9	14.49	.023	3	6	7.56	4	.01	6	.07	.01	.01	1	2
B 49100	1	4	2	2	.2	6	4	1388	1.71	2	10	ND	5	25	1	3	2	8	14.27	.023	10	6	6.94	2	.01	3	.05	.01	.03	1	1
B 49101	1	4	2	3	.1	5	3	880	1.21	2	6	ND	4	38	1	3	2	6	15.38	.024	5	5	7.96	12	.01	6	.05	.01	.01	1	2
B 49102	1	6	4	3	.1	4	3	1249	1.29	2	6	ND	3	34	1	3	2	7	16.10	.019	9	5	7.78	3	.01	6	.04	.01	.02	1	2
B 49103	1	6	5	3	.1	5	4	1272	1.39	2	6	ND	3	31	1	2	2	13	15.90	.022	12	8	7.68	3	.01	5	.08	.01	.01	1	1
B 49104	1	2	2	3	.1	4	2	778	1.26	2	8	ND	3	55	1	3	3	8	16.77	.020	9	6	8.01	19	.01	5	.04	.01	.01	1	2
B 49105	1	7	3	2	.1	4	2	505	.76	2	8	ND	3	56	1	2	2	4	20.37	.017	10	3	4.70	6	.01	5	.04	.01	.02	1	1
B 49106	1	7	4	2	.1	3	1	617	.90	2	6	ND	2	48	1	3	2	4	17.30	.016	7	3	8.33	8	.01	7	.03	.01	.03	1	1
B 49107	1	10	6	2	.1	5	3	270	.61	5	9	ND	4	80	1	5	2	2	25.88	.014	9	1	2.00	6	.01	4	.07	.01	.02	1	1
B 49108	1	17	8	3	.1	6	4	317	.83	5	7	ND	5	82	1	4	2	3	22.62	.021	8	1	2.76	7	.01	4	.06	.01	.04	1	1
B 49109	1	17	7	2	.1	5	6	307	.73	7	11	ND	3	115	1	3	2	3	27.83	.027	13	1	1.48	10	.01	5	.05	.01	.04	1	1
B 49110	1	1	2	2	.1	5	3	604	1.17	2	5	ND	3	62	1	3	2	6	17.86	.022	4	5	8.16	30	.01	13	.05	.01	.03	1	2
B 49111	1	4	3	2	.1	5	3	631	2.28	2	6	ND	2	52	1	2	2	7	17.23	.017	6	4	7.68	17	.01	5	.03	.01	.01	1	1
B 49112	1	6	2	1	.1	3	1	385	.61	2	5	ND	3	66	1	2	2	4	21.62	.014	6	2	4.50	6	.01	8	.04	.01	.03	1	2
B 49113	1	11	7	2	.1	4	2	241	.49	2	5	ND	2	77	1	4	2	2	26.83	.013	6	1	2.45	5	.01	3	.04	.01	.02	1	1
B 49114	1	7	3	1	.1	2	2	333	.61	2	6	ND	2	76	1	2	2	2	23.78	.012	5	1	4.58	11	.01	5	.06	.01	.05	1	1
B 49115	1	15	6	3	.1	8	3	226	.69	7	6	ND	4	83	1	3	2	2	24.52	.022	9	3	1.15	6	.01	8	.07	.01	.04	1	1
B 49116	1	14	9	2	.1	7	4	240	.78	4	9	ND	4	77	1	3	2	3	22.64	.032	9	1	1.55	7	.01	4	.11	.01	.05	1	1
B 49117	1	4	7	3	.1	3	1	477	.77	4	5	ND	2	58	1	3	2	3	19.64	.019	5	2	6.89	12	.01	8	.07	.01	.03	1	1
B 49118	1	10	5	1	.1	4	2	315	.63	7	8	ND	2	71	1	4	2	3	23.56	.022	7	2	3.72	7	.01	6	.06	.01	.03	1	1
B 49119	1	10	4	2	.1	5	2	239	.57	6	7	ND	4	85	1	3	2	2	26.62	.014	8	2	1.87	8	.01	5	.08	.01	.05	1	1
B 49120	1	6	4	2	.1	4	2	231	.57	4	9	ND	3	73	1	3	2	2	26.16	.014	6	1	2.76	9	.01	8	.05	.01	.03	1	2
B 49121	1	9	4	2	.1	5	2	223	.74	2	6	ND	3	68	1	2	2	3	22.39	.017	6	2	2.91	11	.01	7	.10	.01	.08	1	1
B 49122	1	8	2	3	.1	5	3	324	1.01	2	5	ND	2	52	1	2	2	4	19.47	.018	4	2	5.78	10	.01	6	.15	.01	.05	1	2
B 49123	1	13	5	2	.1	8	4	143	.74	2	9	ND	5	84	1	2	2	3	25.53	.023	10	2	.57	14	.01	6	.19	.01	.13	1	1
B 49124	1	13	5	2	.1	6	3	171	.66	2	7	ND	4	82	1	3	2	3	25.18	.023	10	2	1.40	13	.01	8	.17	.01	.13	1	2
B 49125	1	11	6	2	.1	8	3	241	.75	6	7	ND	4	63	1	3	2	3	21.45	.028	7	2	3.19	13	.01	10	.12	.01	.08	1	2
B 49126	1	12	2	2	.1	5	3	291	.82	2	6	ND	3	73	1	2	2	2	21.33	.031	7	1	4.42	26	.01	11	.08	.01	.05	1	1
B 49127	1	10	6	3	.1	5	3	222	.63	3	6	ND	3	72	1	3	2	2	24.77	.022	7	2	2.77	16	.01	4	.18	.01	.07	1	1
B 49128	1	9	6	2	.1	7	4	275	.79	4	5	ND	3	44	1	2	2	3	18.17	.023	4	2	4.32	16	.01	10	.23	.01	.12	1	1
B 56154	2	7	3	7	.1	9	5	143	.92	2	5	ND	6	5	1	2	2	6	1.08	.007	4	14	.22	8	.01	2	.22	.04	.04	2	2
B 56302	2	217	32	54	.1	96	59	187	7.67	2	5	ND	7	12	1	2	2	12	.75	.039	15	14	.40	26	.07	2	.87	.02	.27	1	4
B 56303	1	9	5	22	.1	25	23	292	2.71	7	5	ND	19	9	1	2	2	10	1.34	.046	10	9	.45	38	.07	2	.93	.01	.26	1	2
B 56304	6	4	6	39	.1	24	22	368	4.59	10	5	ND	5	5	1	2	2	64	.36	.017	7	53	4.04	8	.07	2	3.37	.01	.08	1	3
B 56305	1	1	8	71	.2	34	30	590	6.90	2	5	ND	3	4	1	2	2	153	.12	.022	2	109	7.59	3	.06	2	6.08	.01	.04	1	4
STD C/AU-R	17	57	42	131	6.6	67	30	939	3.88	44	18	7	36	47	18	16	20	59	.44	.097	38	56	.88	174	.07	39	1.85	.06	.13	12	520

G90-04

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49266	7	3	6	1	.1	1	3	329	4.79	2	5	ND	4	5	1	2	2	2	.28	.036	68	3	.38	18	.07	2	.27	.01	.22	1	6
B 49267	8	1	8	2	.1	1	4	796	4.35	3	5	ND	3	43	1	2	2	2	2.45	.042	54	2	1.24	16	.05	6	.27	.01	.23	1	2
B 49268	1	1	10	2	.1	1	4	479	7.40	2	5	ND	4	14	1	2	2	1	.87	.063	62	1	.68	20	.10	2	.32	.01	.25	1	2
B 49269	1	2	8	1	.1	1	5	412	7.82	2	5	ND	4	8	1	2	2	1	.48	.065	25	1	.55	20	.11	7	.34	.01	.26	1	1
B 49270	2	2	8	1	.1	2	4	214	7.83	2	5	ND	6	5	1	2	2	4	.15	.052	41	3	.24	21	.12	15	.28	.01	.22	1	1
B 49271	1	1	10	1	.1	2	6	543	7.37	3	5	ND	3	7	1	2	2	1	.22	.054	51	2	.63	16	.10	3	.27	.01	.20	1	1
B 49272	1	1	4	3	.1	4	7	755	7.23	3	5	ND	3	24	1	2	2	1	.78	.068	39	1	1.05	20	.08	6	.28	.01	.22	1	1
B 49273	1	1	4	4	.2	3	6	721	6.63	2	5	ND	4	8	1	2	7	1	.36	.063	40	1	1.04	18	.07	13	.30	.01	.23	1	1
B 49274	1	1	2	2	.1	3	5	421	5.92	2	5	ND	3	9	1	2	2	1	.36	.067	62	1	.64	22	.07	5	.30	.01	.23	1	1
B 49275	1	2	5	3	.1	3	7	2222	6.04	3	5	ND	3	30	1	2	2	1	4.74	.023	18	2	2.82	9	.03	10	.13	.01	.11	1	1
B 49276	3	1	8	4	.1	2	6	922	7.89	5	5	ND	3	12	1	2	2	1	.71	.066	59	1	1.19	15	.08	7	.34	.01	.24	1	1
B 49277	2	1	9	2	.1	2	5	458	6.27	2	5	ND	5	8	1	2	2	1	.27	.065	70	1	.65	18	.08	8	.31	.01	.23	1	1
B 49278	1	1	5	3	.1	2	4	1022	4.71	2	5	ND	5	24	1	2	2	1	1.62	.066	79	2	1.27	16	.04	5	.30	.01	.24	1	2
B 49279	8	3	5	4	.2	1	3	1273	3.57	2	5	ND	7	57	1	2	5	1	2.72	.063	97	2	1.51	17	.02	6	.30	.01	.25	1	2
B 49280	9	9	7	5	.2	1	4	1298	4.84	2	5	ND	6	49	1	2	2	1	2.09	.064	98	1	1.60	16	.02	2	.28	.01	.24	1	1
B 49281	2	44	5	5	.1	2	2	1213	2.99	2	5	ND	2	180	1	2	2	1	4.55	.020	22	3	2.03	9	.01	5	.11	.01	.09	1	1
B 49282	5	8	8	7	.3	2	4	1271	5.01	3	5	ND	6	56	1	2	2	1	1.98	.065	95	1	1.48	21	.01	8	.30	.01	.25	1	1
B 49283	4	9	5	8	.1	1	4	1033	5.99	2	5	ND	5	56	1	2	2	1	1.57	.062	88	1	1.58	18	.01	5	.32	.01	.22	1	2
B 49284	2	7	7	7	.2	1	4	637	6.05	2	5	ND	5	39	1	2	2	1	1.02	.062	90	1	1.16	20	.01	4	.28	.01	.20	1	2
B 49301	1	55	6	8	.1	16	8	666	2.31	5	5	ND	9	5	1	2	4	9	.18	.063	33	9	.71	206	.01	6	.93	.01	.24	1	1
B 49302	1	10	2	9	.1	13	10	894	2.74	5	5	ND	5	83	1	2	2	7	5.77	.048	15	6	3.33	983	.01	5	.84	.01	.15	1	1
B 49303	2	4	2	20	.1	30	16	1540	5.02	7	5	ND	5	19	1	2	2	28	.97	.111	26	11	2.41	386	.01	2	2.19	.01	.20	1	1
B 49304	1	1	5	12	.1	17	10	621	2.65	7	5	ND	3	52	1	2	2	10	4.51	.062	9	7	3.35	407	.01	3	1.34	.01	.14	1	1
B 49305	1	1	2	5	.1	7	6	771	1.84	6	5	ND	6	62	1	2	2	6	6.20	.040	15	5	3.43	476	.01	5	.57	.01	.16	1	1
B 49306	1	4	4	6	.1	14	9	960	3.01	4	5	ND	5	28	1	2	2	23	3.27	.053	17	11	1.91	661	.01	5	.68	.01	.18	1	1
B 49307	1	1	4	5	.1	11	11	775	1.90	8	5	ND	4	73	1	2	2	5	7.61	.034	5	4	3.99	128	.01	6	.45	.01	.12	1	1
B 49308	1	4	2	7	.1	15	9	871	2.05	7	5	ND	3	84	1	2	2	7	8.89	.041	7	5	4.80	260	.01	10	.64	.01	.13	1	1
B 49309	1	3	5	6	.1	18	16	662	1.83	6	5	ND	4	43	1	2	4	6	4.21	.039	9	10	2.69	653	.01	6	.62	.01	.16	1	1
B 49310	1	6	3	6	.1	17	18	686	2.01	9	5	ND	4	63	1	2	2	5	7.10	.045	6	6	4.05	256	.01	6	.68	.01	.16	1	1
B 49311	1	1	2	5	.1	10	9	748	1.72	5	5	ND	5	63	1	2	2	5	7.72	.034	13	4	3.96	261	.01	5	.43	.01	.15	1	1
B 49312	1	1	2	4	.1	10	5	730	1.57	5	5	ND	4	72	1	2	2	4	8.90	.027	7	4	4.58	57	.01	2	.39	.01	.14	1	2
B 49313	1	452	2	5	.1	25	17	1062	2.99	13	5	ND	2	111	1	2	4	4	10.83	.023	3	5	5.46	23	.01	9	.47	.01	.17	1	1
B 49314	1	2	4	3	.2	8	9	708	1.58	5	5	ND	4	72	1	2	5	3	8.97	.029	6	4	4.52	79	.01	4	.29	.01	.13	1	1
B 49315	1	8	2	4	.1	12	14	797	1.98	5	5	ND	5	57	1	2	2	8	7.46	.033	9	4	3.67	554	.01	8	.36	.01	.15	1	1
B 49316	1	6	7	5	.1	14	16	1188	3.38	4	5	ND	6	24	1	2	2	21	3.95	.048	16	9	2.06	214	.01	5	.53	.01	.18	1	1
B 49317	1	2	7	3	.1	9	8	761	1.68	7	5	ND	6	68	1	2	2	4	9.31	.029	12	4	4.44	105	.01	10	.31	.01	.13	1	1
STD C/AU-R	18	57	37	132	6.7	70	31	946	3.92	39	17	6	36	48	18	14	21	58	.45	.096	38	55	.90	174	.07	40	1.96	.06	.13	13	480

G90-05

Bapty Research Limited PROJ GOLD CREEK FILE # 90-0292

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49318	1	5	4	3	.2	14	7	682	1.67	5	5	ND	5	66	1	2	2	4	7.36	.029	10	12	3.89	202	.01	6	.32	.01	.12	1	1
B 49319	1	2	6	4	.1	9	10	593	1.55	6	5	ND	3	66	1	2	2	4	6.53	.029	4	4	3.73	51	.01	2	.42	.01	.12	1	2

G90-05

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0548 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49320	2	21	3	17	.3	22	10	2195	4.46	10	5	ND	5	13	1	3	2	15	2.54	.051	18	18	2.25	468	.01	13	1.64	.01	.19	2	1	100
B 49321	1	4	13	7	.1	10	4	715	2.02	3	5	ND	4	48	1	2	2	9	6.65	.040	11	10	3.94	81	.01	8	1.09	.01	.25	1	4	40
B 49322	1	2	7	10	.1	9	10	651	1.68	5	5	ND	3	51	1	2	2	6	6.87	.031	6	8	3.59	108	.01	5	.59	.01	.21	1	2	100
B 49323	1	2	6	6	.2	4	7	810	1.79	5	5	ND	3	67	1	2	2	5	9.70	.028	6	4	4.72	42	.01	3	.45	.01	.20	1	2	120
B 49324	1	5	9	12	.1	17	12	697	2.53	3	5	ND	3	54	1	4	2	12	5.49	.033	5	12	3.82	72	.01	7	1.49	.01	.28	2	6	110
B 49325	1	3	9	6	.1	5	9	710	1.64	5	5	ND	3	65	1	2	2	6	8.43	.031	7	5	4.15	43	.01	5	.46	.01	.23	2	1	150
B 49326	1	1	5	6	.1	8	5	639	1.63	6	5	ND	4	52	1	2	2	7	6.41	.038	11	8	3.32	226	.01	5	.65	.01	.25	1	4	80
B 49327	1	1	2	7	.2	8	2	754	1.76	2	5	ND	4	60	1	2	2	6	7.62	.028	10	7	4.02	91	.01	4	.66	.01	.20	3	2	30
B 49328	1	2	6	6	.2	9	4	773	1.77	6	5	ND	4	44	1	2	2	7	7.18	.033	16	10	3.52	75	.01	10	.60	.01	.24	1	4	60
B 57263	1	3	15	20	.9	61	28	601	10.79	2	5	ND	1	20	1	6	2	47	2.20	.118	8	26	4.00	52	.06	2	4.14	.01	.29	1	2	40
B 57264	1	2	7	7	.2	8	9	1779	3.25	3	5	ND	2	70	1	3	2	9	8.02	.031	16	9	3.52	153	.01	4	.50	.01	.23	2	3	30
B 57265	1	1	12	20	.6	49	32	556	9.63	5	5	ND	1	13	1	9	2	40	1.79	.131	12	24	4.04	113	.02	2	4.48	.01	.19	1	1	40
B 57266	1	32	8	9	.4	18	14	1213	4.18	5	5	ND	2	32	1	4	2	17	3.75	.053	10	18	2.86	176	.01	5	1.62	.01	.21	1	2	20
B 57267	1	4	5	18	.5	42	28	644	6.74	3	5	ND	1	19	1	5	2	27	2.36	.082	13	19	3.26	100	.02	5	3.00	.01	.24	1	3	20
B 57268	1	1	11	18	.4	35	28	959	6.41	5	5	ND	1	50	1	7	2	21	4.42	.109	15	16	3.62	96	.01	2	2.89	.01	.20	1	2	10
B 57269	1	6	8	15	.8	23	29	1900	7.55	3	5	ND	1	38	1	8	2	24	7.76	.059	10	14	4.16	409	.01	2	2.68	.01	.07	1	1	20
B 57270	1	3	10	36	.7	47	56	250	11.59	2	5	ND	1	6	1	4	2	63	.42	.094	19	25	5.22	22	.02	2	6.11	.01	.01	1	1	5
B 57271	1	3	13	31	.6	42	49	200	11.42	3	5	ND	1	6	1	10	2	62	.31	.073	12	25	4.53	17	.03	2	5.29	.01	.02	1	1	5
B 57272	1	8	17	30	.7	49	53	327	11.77	5	5	ND	1	16	1	10	2	55	1.03	.087	13	27	5.20	29	.01	2	6.06	.01	.09	2	1	10
B 57273	1	4	7	17	.6	29	29	935	6.66	3	5	ND	1	25	1	7	2	29	3.51	.047	8	17	3.77	43	.01	2	2.86	.01	.09	1	1	20
B 57274	1	2	24	31	.8	49	47	464	10.88	2	5	ND	1	30	1	5	2	44	2.23	.090	14	23	4.70	25	.02	3	5.02	.01	.11	1	2	5
B 57275	1	202	2	28	.6	36	45	679	9.02	2	5	ND	1	32	1	7	2	27	3.85	.078	12	21	3.56	57	.01	3	3.24	.01	.14	1	1	10
B 57276	1	199	14	28	.8	46	40	578	9.75	2	5	ND	1	35	1	5	2	30	3.40	.080	10	22	3.58	319	.01	3	3.29	.01	.11	1	3	10
B 57277	1	34	3	40	.5	46	43	326	10.63	2	5	ND	1	20	1	5	2	38	1.69	.083	11	23	4.13	31	.01	2	4.52	.01	.10	1	1	5
B 57278	1	100	17	46	.7	43	47	646	10.21	2	5	ND	1	28	1	8	2	41	3.40	.078	11	25	4.50	82	.01	2	4.96	.01	.07	1	2	10
B 57279	1	22	14	32	.5	42	34	562	8.12	2	5	ND	1	40	1	8	2	25	3.42	.075	10	21	3.17	56	.01	3	2.65	.01	.12	1	1	5
B 57280	1	127	9	50	.7	36	41	724	8.25	2	5	ND	1	59	1	8	2	33	4.84	.048	5	19	4.02	49	.01	2	2.99	.01	.04	1	1	10
B 57281	1	44	13	43	.6	48	41	554	9.79	2	5	ND	1	48	1	7	2	36	3.65	.079	8	24	3.74	24	.01	2	3.14	.01	.10	1	1	5
B 57282	1	19	14	57	.6	47	38	601	9.63	2	5	ND	1	42	1	8	2	32	3.23	.077	8	27	3.45	33	.01	2	3.00	.01	.12	1	1	5
B 57283	1	41	11	74	.7	44	40	944	8.81	2	5	ND	1	54	1	6	2	19	4.38	.074	7	26	2.98	61	.01	4	2.24	.01	.15	1	2	5
B 57284	1	12	3	52	.5	42	33	854	8.21	2	5	ND	1	46	1	6	2	16	3.69	.078	10	24	2.67	39	.01	3	2.02	.01	.15	1	1	5
B 57285	1	43	5	34	.5	38	30	1167	7.17	2	5	ND	1	53	1	5	2	13	5.71	.070	8	17	2.54	114	.01	3	1.45	.01	.17	1	2	10
B 57286	1	36	2	39	.6	46	36	862	8.85	2	5	ND	1	28	1	3	2	18	3.48	.083	11	23	2.78	122	.01	2	2.18	.01	.16	1	1	20
B 57287	1	58	2	24	.3	36	19	983	5.37	3	5	ND	1	31	1	6	2	17	4.72	.086	10	13	3.30	137	.01	2	1.86	.01	.22	2	3	10
B 57288	1	11	3	6	.1	16	4	615	1.49	2	5	ND	1	22	1	2	2	7	3.72	.065	11	10	1.91	83	.01	2	.55	.01	.22	1	1	10
B 57289	1	2	2	4	.1	7	4	1054	1.73	2	5	ND	3	42	1	2	2	5	7.26	.036	16	9	3.10	85	.01	2	.21	.01	.14	1	1	5
STD C/AU-R	17	58	43	128	7.3	66	31	964	3.92	42	23	8	36	47	19	15	18	58	.48	.093	36	55	.85	174	.07	38	1.86	.06	.14	11	530	1300

G90-05

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 2 1990 DATE REPORT MAILED: March 8/90 SIGNED BY: D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC. 1R

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0593 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49329	1	1	11	9	.1	13	7	627	1.68	3	5	ND	2	42	1	2	2	7	5.29	.036	7	12	2.87	63	.01	4	.63	.01	.14	1	3	40
B 49330	1	1	14	14	.1	14	14	856	2.68	16	5	ND	2	30	1	3	2	9	4.74	.043	8	15	2.58	276	.01	5	.95	.01	.15	1	4	20
B 49331	1	6	18	29	.2	39	6	268	6.36	2	5	ND	1	9	1	7	2	26	.52	.080	6	12	3.94	123	.01	2	4.45	.01	.16	1	4	20
B 49332	1	1	4	11	.1	13	8	622	2.29	7	5	ND	2	22	1	4	3	9	3.54	.039	13	14	2.21	272	.01	9	1.00	.01	.15	1	1	50
B 49333	1	1	9	20	.1	33	10	807	5.10	2	5	ND	3	6	1	6	2	15	1.79	.072	15	13	2.74	172	.01	5	2.83	.01	.15	1	1	30
B 49334	1	2	2	6	.1	18	9	363	1.82	4	5	ND	4	5	1	2	2	9	.68	.047	19	16	1.03	475	.01	9	1.17	.01	.20	1	1	50
B 49335	2	1	2	7	.1	15	8	1484	3.50	6	5	ND	5	9	1	2	2	12	2.23	.051	23	17	1.47	285	.01	9	1.02	.01	.21	1	2	60
B 49336	1	2	7	10	.2	17	11	1120	4.01	4	5	ND	2	31	1	4	2	16	4.90	.048	7	17	2.74	1099	.01	7	1.59	.01	.16	1	3	80
B 49337	1	1	4	8	.1	17	8	923	2.59	3	5	ND	3	7	1	2	2	12	2.38	.054	15	16	1.37	280	.01	6	1.18	.01	.17	2	6	60
B 49338	2	7	6	7	.2	16	20	2601	3.32	3	5	ND	4	10	1	2	2	10	7.15	.051	20	15	.88	620	.01	5	1.10	.01	.15	1	2	160
B 49339	1	1	14	15	.2	22	14	841	5.03	2	5	ND	2	10	1	6	2	25	2.19	.054	11	24	2.29	526	.02	8	2.29	.01	.16	2	2	60
B 49340	1	1	4	22	.3	24	9	279	7.78	2	5	ND	1	11	1	7	2	41	.41	.055	8	29	2.80	753	.04	2	3.40	.01	.15	1	3	20
B 49341	1	1	9	15	.1	15	10	323	3.16	3	5	ND	2	5	1	3	2	19	.61	.050	21	19	1.56	114	.01	5	1.83	.01	.21	1	1	50
B 49342	1	5	5	14	.1	19	22	699	2.87	2	5	ND	3	9	1	2	2	14	4.76	.047	15	20	1.11	187	.01	6	1.39	.01	.13	1	3	100
B 49343	1	3	2	6	.1	17	9	375	3.22	2	5	ND	4	6	1	4	2	13	1.41	.053	21	25	1.50	102	.01	2	1.65	.01	.16	1	2	30
B 49344	1	53	2	16	.1	22	12	443	3.34	2	5	ND	3	6	1	4	2	11	3.13	.046	14	27	1.60	112	.01	2	1.83	.01	.10	1	1	40
B 49345	1	12	7	11	.1	18	10	504	2.18	3	5	ND	3	8	1	2	2	8	3.53	.048	17	19	1.31	132	.01	2	1.28	.01	.15	1	3	30
B 49346	1	19	4	10	.1	22	19	554	1.97	5	5	ND	2	16	2	4	2	7	14.42	.034	9	17	1.09	129	.01	2	1.02	.01	.10	1	2	40
B 49347	1	5	2	5	.1	18	12	884	2.32	2	5	ND	3	15	1	2	2	9	5.28	.050	21	14	1.52	167	.01	8	.98	.01	.20	1	3	30
B 49348	1	3	2	1	.2	7	11	1182	2.64	2	5	ND	2	66	1	2	2	6	10.65	.032	14	5	4.88	49	.01	2	.28	.01	.11	1	2	130
B 49349	1	3	8	4	.1	9	9	1055	2.34	2	5	ND	2	54	1	3	2	7	8.29	.034	13	8	3.76	279	.01	2	.46	.01	.14	1	1	140
B 49350	1	6	3	5	.2	14	22	1184	3.13	14	5	ND	3	32	1	3	2	11	5.80	.044	16	14	2.30	418	.01	6	.65	.01	.18	1	3	330
B 49351	1	4	2	10	.2	15	13	790	3.41	15	5	ND	1	39	1	5	3	15	4.95	.048	6	12	3.19	128	.01	2	1.39	.01	.16	1	2	100
B 49352	1	11	2	8	.2	14	8	1016	4.45	2	5	ND	2	24	1	3	2	13	3.30	.048	17	18	2.54	145	.01	2	1.47	.01	.15	1	2	40
B 49353	1	6	3	14	.1	23	8	155	5.24	2	6	ND	2	6	1	4	2	23	.15	.043	15	20	1.32	96	.04	4	1.76	.01	.19	1	1	30
B 49354	1	5	4	13	.2	21	9	1219	5.00	2	6	ND	4	10	1	5	2	18	1.31	.061	30	22	1.68	265	.02	14	1.60	.01	.20	1	1	80
B 49355	1	1	5	9	.1	13	6	716	3.51	2	5	ND	3	49	1	6	2	12	4.73	.047	18	14	2.89	492	.01	2	1.21	.01	.17	1	3	5
B 49356	1	2	2	9	.1	14	5	210	3.65	2	5	ND	2	16	1	3	2	14	1.05	.043	15	17	1.39	497	.02	2	1.37	.01	.15	1	2	10
B 49357	1	7	3	10	.1	16	4	314	3.63	2	5	ND	2	16	1	3	2	17	1.73	.050	20	17	1.57	136	.02	2	1.26	.01	.19	1	2	5
B 49358	1	2	7	6	.1	14	7	479	2.42	5	5	ND	3	27	1	2	2	9	3.16	.043	18	16	2.06	78	.01	2	1.19	.01	.17	1	1	10
B 49359	1	3	5	10	.1	15	14	380	1.98	9	5	ND	2	20	1	2	2	7	2.55	.040	10	15	1.80	54	.01	2	.98	.01	.17	1	3	80
B 49360	1	1	4	6	.2	13	3	917	2.77	2	5	ND	2	48	1	2	2	8	6.78	.032	12	14	3.66	39	.01	2	.90	.01	.14	1	4	10
B 49361	1	23	2	8	.1	17	3	269	1.61	2	5	ND	5	18	1	2	2	7	1.68	.043	35	16	1.61	47	.01	9	1.15	.01	.18	1	2	5
B 49362	1	2	2	6	.1	10	11	967	2.29	4	5	ND	1	70	1	2	2	5	8.89	.033	7	5	4.35	24	.01	2	.42	.01	.11	1	1	90
B 49363	1	6	11	4	.3	13	21	998	2.80	5	5	ND	2	67	1	2	4	5	8.92	.029	3	8	4.24	47	.01	12	.35	.01	.13	1	1	250
B 49364	2	8	10	8	.1	19	34	797	2.46	9	5	ND	3	33	1	3	4	7	5.22	.035	8	16	2.39	356	.01	2	.54	.01	.16	1	1	360
STD C/AU-R	18	57	36	130	7.9	70	30	1032	4.22	42	20	8	36	47	20	15	22	60	.50	.097	36	61	.82	174	.07	40	1.95	.06	.14	12	470	1300

G90-05

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 7 1990 DATE REPORT MAILED: Mar 12, 1990 SIGNED BY. D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

[redacted] ORI[redacted]LTD[redacted] 8[redacted]. H[redacted]NGS[redacted] VA[redacted]UVE[redacted]C. [redacted]A 1F[redacted] [redacted]E(6[redacted]53-[redacted]B [redacted]6[redacted]-17[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0594 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49365	1	5	10	5	.1	11	18	467	1.63	7	5	ND	2	32	1	2	2	6	4.08	.035	6	12	2.18	52	.01	2	.60	.01	.21	1	3	90
B 49366	1	10	12	5	.2	11	16	728	2.22	6	5	ND	2	53	1	2	2	7	7.01	.030	4	10	3.45	40	.01	8	.51	.01	.16	1	1	110
B 49367	1	7	10	5	.1	17	21	615	2.23	9	5	ND	2	46	1	3	2	5	5.98	.033	4	10	3.05	80	.01	2	.54	.01	.14	1	2	150
B 49368	1	6	11	8	.2	10	23	979	2.59	9	5	ND	2	57	1	2	2	5	8.66	.032	5	8	3.96	47	.01	7	.39	.01	.13	1	1	180
B 49369	1	2	9	8	.1	9	9	815	2.15	5	5	ND	2	53	1	2	2	8	7.33	.039	6	10	3.55	30	.01	2	.59	.01	.16	1	1	40
B 49370	1	2	5	13	.2	17	10	561	2.49	4	5	ND	1	34	2	2	2	15	4.21	.044	6	17	2.72	34	.01	5	1.19	.01	.20	1	2	30
B 49371	1	8	2	24	.2	27	5	478	4.07	2	5	ND	1	25	1	3	2	26	3.04	.029	4	31	3.25	90	.01	6	2.16	.01	.10	1	1	20
B 49372	1	21	9	12	.1	13	5	429	2.19	3	5	ND	2	23	1	2	2	13	3.17	.041	8	20	2.34	50	.01	6	1.23	.01	.18	1	1	10
B 49373	1	1	6	12	.1	10	4	684	1.99	3	5	ND	2	35	1	2	2	7	5.80	.040	12	13	3.03	28	.01	2	.80	.01	.16	1	1	5
B 49374	1	1	3	14	.1	12	5	837	2.11	4	5	ND	2	55	1	3	2	5	7.21	.037	15	8	3.54	29	.01	6	.70	.01	.16	1	1	10
B 49375	1	3	2	5	.3	9	17	1163	2.74	3	5	ND	1	78	1	2	2	4	11.12	.027	4	4	4.98	22	.01	2	.30	.01	.12	1	1	150
B 49376	1	2	3	7	.1	16	12	852	2.28	8	5	ND	2	49	1	2	2	7	6.74	.038	5	11	3.24	43	.01	7	.62	.01	.17	1	1	90
B 49377	1	5	10	9	.2	22	30	876	3.34	11	5	ND	1	46	1	3	2	9	5.96	.042	4	15	3.12	47	.01	2	1.00	.01	.17	1	4	250
B 49378	1	3	8	12	.1	8	19	884	2.60	28	5	ND	1	47	1	2	2	12	5.71	.039	5	14	2.69	34	.01	2	.72	.01	.21	1	5	140
B 49379	1	6	2	73	.6	70	22	1126	11.71	6	5	ND	1	55	1	5	5	57	4.11	.080	3	35	5.62	25	.02	2	5.84	.01	.13	1	1	60
B 49380	1	2	7	32	.3	28	12	730	4.74	5	5	ND	1	35	1	4	2	22	3.63	.038	4	22	3.03	35	.01	4	2.09	.01	.15	1	1	50
B 49381	1	2	8	18	.4	9	6	1605	3.95	3	5	ND	1	69	1	2	2	8	10.01	.035	10	9	4.38	31	.01	2	.77	.01	.12	1	2	30
B 49382	1	83	2	48	.2	45	18	642	7.81	2	5	ND	1	26	1	5	2	34	2.60	.083	4	25	3.17	57	.03	2	3.51	.01	.23	1	1	10
B 49383	1	47	8	49	.6	54	24	1408	9.50	2	5	ND	1	45	1	7	2	29	6.05	.063	4	22	4.64	48	.03	2	3.66	.01	.13	1	1	20
B 49384	1	6	2	42	.3	47	23	889	7.52	5	5	ND	1	39	1	6	2	28	3.94	.081	9	21	2.96	37	.03	2	2.48	.01	.21	1	1	10
B 49385	1	28	2	29	.3	48	29	1131	7.48	2	5	ND	1	51	1	6	2	23	5.13	.076	9	22	3.02	34	.02	2	2.04	.01	.23	1	1	10
B 49386	1	27	4	37	.4	50	37	1224	8.10	4	5	ND	1	50	1	2	2	23	5.53	.076	9	21	3.32	25	.01	2	2.33	.01	.17	1	1	5
B 49387	1	7	8	74	.4	53	39	757	8.90	4	5	ND	1	65	1	4	4	20	4.51	.076	4	27	3.17	21	.01	2	2.60	.01	.12	1	8	5
B 49388	1	7	2	61	.5	33	31	895	7.20	4	5	ND	1	119	1	4	2	17	11.90	.044	4	22	2.94	16	.01	2	1.97	.01	.04	1	1	10
B 49389	1	3	2	105	.4	49	41	511	9.61	4	5	ND	1	55	1	5	2	39	3.29	.075	6	30	3.22	23	.01	2	3.40	.03	.07	1	1	5
B 49390	1	1	2	175	.6	51	53	525	12.30	2	5	ND	1	40	1	8	2	58	2.54	.073	5	35	4.29	31	.01	2	5.60	.02	.04	1	1	10
B 49391	2	32	2	78	.7	27	27	2173	6.93	4	5	ND	1	219	1	5	2	21	15.42	.020	2	19	3.28	12	.01	2	1.95	.01	.02	1	2	40
B 49392	1	2	2	197	.7	51	50	579	12.77	2	5	ND	1	39	1	8	2	53	2.36	.074	4	33	4.56	11	.01	2	6.01	.02	.05	1	5	10
B 49393	1	4	2	160	.5	45	41	741	10.58	4	5	ND	1	53	1	6	2	60	3.37	.073	5	35	3.76	8	.01	2	4.47	.03	.04	1	1	5
B 49394	1	1	2	129	.5	52	41	1001	10.00	4	5	ND	1	56	1	6	2	45	3.21	.076	5	31	3.24	15	.02	2	3.40	.04	.06	1	1	5
B 49395	1	3	2	152	.4	50	41	992	10.32	2	5	ND	1	60	1	8	2	59	3.31	.075	6	34	3.24	17	.02	2	3.82	.05	.04	1	1	10
B 57584	1	1	9	22	.1	16	12	455	4.31	2	5	ND	2	115	1	5	2	25	3.65	.078	13	20	3.31	1212	.07	2	2.47	.01	.62	2	1	5
B 57585	2	75	3	14	.3	16	15	710	2.89	12	5	ND	2	78	1	4	2	12	5.06	.044	10	18	3.32	116	.03	2	1.48	.01	.35	1	1	80
B 57586	3	7	7	12	.1	16	14	717	2.57	7	5	ND	3	56	1	2	2	10	4.86	.045	11	18	3.38	54	.03	5	1.28	.01	.37	1	1	20
B 57587	1	2	2	25	.1	17	12	692	4.00	14	5	ND	3	94	1	2	2	16	5.40	.072	7	15	3.97	575	.05	2	2.06	.01	.45	1	5	30
B 57588	1	16	5	22	.2	15	11	618	3.94	21	5	ND	2	135	1	6	2	19	5.43	.071	7	19	3.52	543	.05	2	1.94	.01	.50	1	4	30
STD C/AU-R	18	57	42	130	8.0	69	31	1025	4.22	42	22	8	36	47	19	15	19	60	.49	.093	36	61	.83	174	.07	40	1.92	.06	.14	13	480	1300

G90-05

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THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 7 1990 DATE REPORT MAILED: Mar 13/90 SIGNED BY. A.J. Toye; B.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0610 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49396	1	3	2	142	.4	41	36	990	8.24	18	5	ND	1	87	1	8	2	57	5.88	.056	5	28	3.19	25	.01	2	3.15	.03	.02	1	4	10
B 49397	1	8	10	141	.3	45	37	965	8.23	3	5	ND	1	61	1	8	2	51	3.24	.070	6	25	3.24	14	.01	5	3.19	.03	.04	1	1	10
B 49398	1	29	4	168	.4	43	41	1011	8.73	5	5	ND	1	63	1	10	2	62	3.38	.062	5	23	3.65	7	.01	2	3.78	.02	.02	1	1	180
B 49399	1	29	2	144	.4	41	36	987	7.68	5	5	ND	1	76	1	12	2	57	4.80	.062	4	25	3.14	6	.01	2	3.14	.03	.02	1	2	20
B 49400	1	32	2	165	.4	42	38	800	8.16	4	5	ND	1	59	1	11	2	61	3.10	.068	5	26	3.42	10	.01	7	3.73	.02	.02	1	1	30
B 49401	1	1	4	130	.3	42	32	905	6.95	9	5	ND	1	78	1	11	2	47	4.55	.064	5	25	2.81	10	.02	2	2.76	.03	.04	1	1	50
B 49402	1	14	8	185	.4	43	38	797	8.59	2	5	ND	1	62	1	12	2	55	3.82	.066	5	26	3.49	7	.01	3	3.75	.02	.03	1	1	210
B 49403	1	19	9	85	.2	31	23	719	5.46	10	5	ND	1	131	1	10	2	23	8.94	.055	5	19	1.44	60	.03	2	1.72	.01	.12	1	1	60
B 49404	2	48	6	51	.5	18	15	3081	5.63	6	5	ND	1	110	1	6	2	13	10.65	.031	2	12	3.90	24	.01	4	.90	.02	.07	3	1	140
B 49405	1	8	10	172	.5	50	39	858	8.84	2	5	ND	1	65	1	9	2	28	3.29	.075	7	27	3.31	31	.01	7	2.86	.02	.08	1	1	20
B 49406	1	48	5	134	.3	42	35	883	8.02	8	5	ND	1	83	1	9	2	22	4.10	.066	4	22	2.93	51	.01	6	2.06	.02	.07	1	2	10
B 49407	1	27	7	127	.4	44	35	1012	8.05	7	5	ND	1	88	1	8	2	17	4.08	.068	5	23	2.91	25	.01	2	2.05	.01	.09	1	1	5
B 49408	1	36	2	98	.4	40	35	1162	7.38	2	5	ND	1	94	1	11	2	13	5.13	.064	4	20	3.00	21	.01	2	1.80	.01	.10	1	1	5
B 49409	1	17	3	98	.3	42	38	1188	7.17	3	5	ND	1	90	1	9	2	14	5.67	.065	5	16	3.32	18	.01	2	2.05	.01	.10	1	1	5
B 49410	1	32	8	84	.4	38	37	1361	6.81	3	5	ND	1	87	1	9	2	14	5.92	.066	6	15	3.23	18	.01	2	1.90	.01	.11	1	1	10
B 49411	1	72	9	53	.3	33	27	1620	5.97	3	5	ND	1	86	1	9	2	12	6.15	.054	5	14	2.78	25	.01	2	1.36	.01	.12	1	1	5
B 49412	1	81	8	41	.3	33	26	1370	5.97	5	5	ND	1	73	1	9	2	15	5.72	.069	6	16	2.85	25	.01	2	1.54	.01	.17	1	2	5
B 49413	1	214	8	35	.7	26	27	3566	8.16	3	5	ND	1	111	1	5	2	19	10.06	.035	2	9	5.12	42	.01	4	1.22	.01	.11	1	1	20
B 49414	1	41	13	34	.4	37	33	1618	6.85	3	5	ND	1	86	1	10	2	17	5.53	.068	4	19	3.00	48	.01	2	1.62	.01	.16	1	2	20
B 49415	1	7	3	70	.3	25	16	1691	7.46	2	5	ND	1	48	1	9	2	27	3.30	.077	4	16	3.74	33	.01	3	3.19	.01	.18	1	1	5
B 49416	1	1	5	30	.1	6	7	809	3.87	3	5	ND	3	26	1	7	2	15	2.40	.032	14	20	2.19	33	.01	4	1.46	.01	.15	1	4	10
B 49417	1	1	8	14	.1	6	5	1337	3.70	3	5	ND	2	49	1	9	3	14	6.54	.028	9	17	3.43	22	.01	2	1.07	.01	.10	1	1	10
B 49418	1	2	3	23	.1	7	5	538	3.44	3	5	ND	3	20	1	8	2	13	.93	.033	12	23	1.68	74	.01	5	1.47	.01	.12	2	1	10
B 57612	1	17	4	5	.1	11	8	581	2.11	5	5	ND	3	36	1	8	2	6	5.72	.038	11	11	2.96	42	.02	11	.78	.01	.31	1	1	20
B 57613	1	23	5	1	.1	7	8	918	2.32	7	5	ND	3	61	1	5	2	4	10.76	.026	7	3	4.48	26	.01	19	.35	.01	.19	1	2	40
B 57614	1	25	4	1	.1	8	13	793	2.28	6	5	ND	2	52	1	8	2	5	8.34	.027	6	7	3.60	28	.01	2	.45	.01	.20	1	3	80
B 57615	1	13	5	7	.1	15	18	490	3.41	16	5	ND	1	33	1	9	5	16	3.32	.050	6	18	2.68	49	.04	2	1.43	.01	.45	1	2	40
B 57616	1	1	7	4	.1	14	7	393	3.38	7	5	ND	2	30	1	9	2	11	2.77	.040	9	18	2.09	51	.03	12	1.24	.01	.39	1	3	30
B 57617	1	1	7	9	.1	14	13	734	3.05	10	5	ND	3	43	1	10	2	8	5.45	.041	7	14	2.84	42	.02	5	.99	.01	.28	1	5	50
B 57618	2	2	13	5	.1	16	23	297	3.04	6	5	ND	2	20	1	7	3	11	1.57	.040	7	19	1.78	53	.03	4	1.32	.01	.38	1	2	40
B 57619	1	1	4	5	.1	14	14	334	2.89	6	5	ND	2	18	1	8	8	10	1.65	.040	19	17	1.72	55	.03	3	1.24	.01	.36	1	2	30
B 57620	1	68	6	23	.4	21	17	524	8.10	9	5	ND	1	45	1	11	2	29	3.16	.135	8	15	3.55	70	.07	7	3.02	.01	.55	1	2	30
B 57621	1	90	9	13	.2	13	13	840	6.37	4	5	ND	1	76	1	8	2	26	5.38	.119	9	12	3.21	60	.05	7	2.11	.01	.47	1	2	20
B 57622	1	65	5	5	.3	4	7	1468	4.30	2	5	ND	1	310	1	8	2	10	14.92	.050	4	7	3.68	622	.02	9	.67	.01	.20	1	1	30
B 57623	1	1	10	22	.3	17	20	822	8.03	8	5	ND	1	55	1	11	2	30	3.81	.122	9	17	3.48	80	.04	2	2.58	.01	.36	1	1	10
B 57624	1	2	5	27	.6	18	23	779	8.98	5	5	ND	1	63	1	10	2	31	3.42	.123	9	18	3.50	79	.02	4	2.74	.01	.23	1	1	20
STD C/AU-R	18	57	38	130	7.0	67	31	1014	3.98	44	24	7	36	47	20	18	21	59	.45	.097	38	55	.80	175	.07	39	1.76	.06	.14	12	515	1300

G90-05

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 8 1990 DATE REPORT MAILED: Mar 14, 1990 SIGNED BY. D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL[redacted]CAL LABORATORIES LTD. 852 E. HASTINGS ST. VA[redacted]JVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6[redacted]) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 1 1990 DATE REPORT MAILED: Feb 5/90 SIGNED BY C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0283 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
49129	1	9	4	17	.1	8	5	544	1.44	5	5	ND	5	39	1	4	2	9	6.90	.024	16	8	3.41	104	.02	8	.93	.01	.41	1	7
49130	1	43	6	15	.1	11	5	355	1.57	2	7	ND	7	18	1	4	2	13	3.56	.034	21	12	2.23	267	.04	16	1.24	.01	.65	1	3
49131	1	7	10	17	.3	14	10	324	1.75	9	9	ND	7	22	1	4	2	13	3.01	.039	19	12	2.48	266	.05	21	1.33	.01	.72	1	1
49132	1	3	7	13	.1	10	6	394	1.53	6	5	ND	6	28	1	4	2	10	4.03	.034	19	9	2.47	70	.03	18	.99	.01	.55	1	1
49133	1	6	8	14	.1	12	7	486	1.76	2	7	ND	6	39	1	5	2	10	4.84	.036	19	10	3.07	65	.03	12	1.08	.01	.50	1	4
49134	1	22	10	16	.1	14	9	251	1.57	7	6	ND	8	21	1	4	2	12	2.12	.041	29	11	2.02	69	.03	12	1.26	.01	.60	1	2
49135	1	11	8	20	.1	14	14	327	1.93	14	6	ND	6	18	1	4	2	18	4.08	.046	18	11	2.15	204	.04	8	1.45	.01	.59	1	1
49136	1	5	4	18	.1	11	4	375	1.77	2	6	ND	6	18	1	4	2	14	3.92	.043	22	10	2.09	177	.04	13	1.33	.01	.64	1	1
49137	1	2	7	16	.1	13	4	436	1.85	2	6	ND	6	36	1	4	2	14	3.93	.044	22	13	2.63	106	.05	12	1.30	.01	.67	1	1
49138	1	11	6	18	.1	11	4	474	2.05	3	7	ND	5	48	1	4	2	15	4.93	.046	15	7	2.56	165	.05	6	1.12	.01	.63	1	2
49139	1	17	5	18	.2	11	5	229	2.25	2	5	ND	5	19	1	3	2	26	2.10	.053	20	17	1.65	249	.08	8	1.43	.01	.74	1	1
49140	1	4	4	23	.1	11	6	106	2.39	3	5	ND	5	5	1	2	2	19	.58	.044	13	17	1.47	184	.05	13	1.57	.01	.53	1	4
49141	1	12	5	26	.3	11	6	130	2.58	6	5	ND	6	5	1	2	2	17	.83	.048	13	20	1.69	102	.05	16	1.72	.01	.53	1	4
49142	1	10	7	21	.2	11	6	177	2.16	2	5	ND	6	12	1	4	2	12	1.26	.045	11	17	1.65	205	.04	12	1.43	.01	.46	1	3
49143	1	1	6	14	.2	10	4	273	1.54	4	6	ND	7	27	1	4	2	12	2.80	.046	25	10	1.84	100	.03	14	1.20	.01	.55	1	2
49144	1	12	13	11	.1	11	9	644	1.81	6	9	ND	6	68	1	4	2	8	7.28	.036	14	7	3.67	132	.02	8	.85	.01	.39	1	2
49145	1	13	9	10	.2	9	11	705	1.84	4	6	ND	5	87	1	3	2	6	8.10	.029	8	5	4.23	53	.01	5	.67	.01	.27	1	1
49146	1	61	4	9	.1	9	9	689	1.77	6	5	ND	5	89	1	3	2	6	7.13	.030	9	6	3.83	59	.01	5	.63	.01	.27	1	2
49147	1	194	13	18	.3	14	18	385	2.25	10	5	ND	5	41	1	3	2	17	3.20	.038	11	10	2.72	79	.03	7	1.36	.01	.50	1	3
49148	1	6	8	17	.2	14	10	478	2.21	9	8	ND	5	54	1	4	2	13	4.19	.049	10	12	3.01	53	.03	7	1.20	.01	.43	1	5
49149	1	14	11	23	.2	13	7	457	2.59	12	5	ND	3	56	1	4	2	15	3.52	.036	8	6	3.12	105	.04	3	1.56	.01	.58	1	1
49150	1	4	8	14	.1	12	8	399	1.90	8	5	ND	5	47	1	3	2	10	3.35	.047	13	9	2.42	51	.02	5	1.04	.01	.43	1	3
49151	1	3	8	15	.2	14	5	465	2.03	7	12	ND	5	58	1	4	2	12	3.82	.049	12	8	2.69	73	.04	11	1.16	.01	.57	1	1
49152	1	12	36	17	.4	17	47	76	3.88	20	11	ND	5	8	1	3	2	21	.19	.049	15	11	1.26	293	.08	26	1.72	.01	1.02	1	2
49153	1	14	11	19	.2	14	14	231	2.41	5	5	ND	4	26	1	4	2	10	1.45	.032	4	10	1.86	209	.04	17	1.32	.01	.57	1	1
49154	1	9	9	24	.1	17	9	112	2.38	4	5	ND	5	9	1	2	2	12	.55	.047	20	11	1.62	84	.04	21	1.63	.01	.52	1	1
49155	1	5	7	24	.2	16	6	125	2.46	2	5	ND	6	6	1	3	2	16	.91	.058	23	12	1.61	86	.06	18	1.79	.01	.64	1	1
49156	1	5	7	25	.1	15	6	184	2.39	2	5	ND	6	20	1	4	2	8	1.17	.036	13	12	2.02	54	.03	21	1.57	.01	.39	1	3
49157	1	8	12	14	.1	12	18	204	2.19	2	5	ND	5	19	1	2	2	10	1.49	.039	10	10	1.56	84	.03	20	1.15	.01	.51	1	1
49158	1	11	13	20	.1	15	6	288	1.84	2	5	ND	7	27	1	3	2	8	2.15	.045	28	11	2.26	42	.02	13	1.32	.01	.38	1	1
49159	1	19	8	20	.1	18	5	65	1.59	2	5	ND	10	6	1	3	2	10	.33	.042	37	14	1.51	56	.02	9	1.52	.01	.51	1	1
49160	1	21	12	19	.1	16	4	185	1.74	6	5	ND	10	13	1	2	2	10	1.11	.046	37	14	1.82	55	.02	8	1.44	.01	.46	1	5
49161	1	9	10	20	.1	18	4	137	1.63	6	5	ND	9	16	1	4	2	11	.98	.041	32	13	1.80	51	.03	8	1.47	.01	.50	1	1
49162	1	7	8	15	.1	10	3	714	1.92	4	7	ND	7	87	1	3	2	6	7.26	.037	18	8	4.10	40	.01	6	.89	.01	.25	1	3
49163	1	2	8	14	.1	11	8	706	1.80	8	8	ND	6	92	1	3	2	6	7.44	.034	10	7	4.21	29	.01	5	.80	.01	.25	1	3
49164	1	3	13	13	.2	13	14	508	1.75	10	5	ND	5	67	1	3	2	7	4.79	.035	7	10	3.17	30	.01	11	.88	.01	.30	1	4
STD C/AU-R	17	58	39	132	7.2	66	30	942	3.81	41	20	7	37	47	18	15	20	59	.44	.098	37	55	.88	176	.06	38	1.84	.06	.13	11	490

G90-06

SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
49165		1	28	17	19	.2	14	10	315	1.59	10	5	ND	6	34	1	6	2	10	2.48	.039	8	12	2.29	42	.03	26	1.11	.01	.48	1	5
49166		1	160	25	19	.5	17	20	433	2.05	15	6	ND	5	53	1	5	2	13	3.45	.039	5	11	2.98	43	.03	16	1.23	.02	.45	1	4
49167		1	6	15	12	.2	11	9	613	1.54	8	5	ND	4	77	1	4	2	7	5.78	.026	5	8	3.51	21	.01	8	.66	.01	.23	1	2
49168		1	29	22	12	.3	12	12	557	1.65	3	6	ND	5	72	1	5	2	7	5.06	.030	6	9	3.32	29	.01	8	.77	.01	.25	1	1
49169		1	5	15	10	.1	9	7	673	1.58	6	5	ND	5	115	1	4	2	5	6.61	.034	6	7	3.64	20	.01	6	.55	.01	.22	1	3
49170		1	3	12	11	.1	11	11	614	1.69	6	5	ND	5	99	1	5	2	6	5.64	.033	6	7	3.33	21	.01	5	.63	.01	.22	1	2
49171		1	2	10	18	.2	12	11	455	1.99	3	5	ND	3	71	1	5	3	15	3.71	.042	5	10	2.84	39	.02	4	1.09	.01	.28	1	1
49172		1	7	5	20	.2	13	3	305	1.85	2	5	ND	4	35	1	5	2	21	2.37	.041	13	16	2.33	49	.04	9	1.34	.01	.39	1	3
49173		1	38	9	28	.2	14	7	227	2.35	2	5	ND	5	28	1	3	2	16	1.59	.040	9	16	2.36	35	.03	14	1.68	.01	.33	1	1
49174		1	19	3	17	.1	11	4	551	1.87	3	5	ND	6	64	1	4	2	10	4.61	.041	16	11	3.14	38	.02	12	1.10	.01	.38	1	1
49175		1	1	8	24	.2	13	4	538	2.21	3	5	ND	6	67	1	5	2	9	4.56	.033	17	9	3.54	23	.02	6	1.31	.01	.27	1	3
49176		1	6	25	12	1.4	10	14	824	1.98	8	8	ND	4	102	1	13	2	5	7.96	.026	4	5	4.23	15	.01	4	.58	.01	.15	1	1
49177		1	17	10	16	.2	11	11	664	2.00	7	6	ND	4	87	1	5	2	5	5.79	.033	5	6	3.58	19	.01	2	.76	.01	.15	1	1
49178		1	71	12	21	.3	15	12	402	2.06	4	5	ND	5	56	1	6	2	8	3.22	.043	7	10	2.82	22	.01	4	1.19	.01	.24	1	2
49179		1	39	10	20	.3	15	17	374	2.01	6	5	ND	4	50	1	6	2	7	2.95	.040	6	9	2.58	21	.01	4	1.05	.01	.22	1	2
49180	G90-06	1	7	11	16	.3	14	22	622	2.55	10	5	ND	4	81	1	5	2	10	5.41	.034	4	7	3.26	63	.02	4	.87	.01	.29	1	1
49181		1	2	8	25	.2	16	14	593	3.04	13	5	ND	3	77	1	4	2	15	5.12	.041	4	10	3.49	31	.02	3	1.27	.01	.27	1	2
49182		1	1	6	30	.3	21	12	330	2.95	8	5	ND	3	55	1	5	2	20	2.86	.047	6	15	2.77	33	.03	3	1.64	.01	.30	1	1
49183		1	1	7	49	.1	28	19	255	4.38	2	5	ND	3	47	1	5	2	21	2.19	.056	5	12	3.38	28	.01	2	2.56	.01	.16	1	3
49184		1	5	9	50	.3	32	17	459	4.75	2	6	ND	2	70	1	4	2	23	3.48	.070	4	9	3.97	112	.02	2	2.59	.01	.18	1	1
49185		1	3	7	49	.2	32	20	875	5.13	3	7	ND	2	76	1	4	2	26	4.79	.051	4	9	4.48	110	.02	2	2.57	.01	.24	1	2
49186		1	3	8	51	.2	36	25	294	5.44	3	5	ND	2	47	1	4	2	25	2.37	.079	7	9	3.45	15	.01	2	2.61	.01	.17	1	1
49187		1	2	8	51	.3	38	27	396	5.40	6	5	ND	3	59	1	5	2	23	3.01	.069	5	10	3.55	20	.01	2	2.46	.01	.15	1	1
49188		1	4	6	30	.2	37	25	394	5.41	3	5	ND	2	63	1	4	2	15	3.01	.078	7	12	2.38	13	.01	2	1.23	.01	.11	1	2
49189		1	3	3	42	.2	38	27	512	5.28	4	5	ND	2	68	1	4	2	17	3.47	.076	6	12	2.84	14	.01	2	1.62	.02	.13	1	1
49190		1	1	10	50	.1	38	31	504	5.64	2	5	ND	2	65	1	2	2	17	3.11	.074	5	11	2.81	13	.01	2	1.91	.01	.11	1	1
49191		1	1	4	13	.1	7	9	3728	4.30	3	5	ND	2	122	1	2	3	4	11.80	.016	2	2	4.38	7	.01	2	.28	.01	.08	1	1
49192		1	1	6	41	.1	37	24	553	4.92	2	5	ND	2	84	1	2	2	15	3.78	.075	5	7	2.81	14	.01	2	1.55	.01	.13	1	1
49193		1	2	8	59	.1	42	28	455	5.87	4	5	ND	2	62	1	3	2	21	2.65	.080	6	9	2.92	14	.01	2	2.23	.01	.14	1	1
49194		1	1	7	67	.2	41	29	523	5.65	3	5	ND	2	70	1	5	3	20	3.09	.079	5	10	3.33	11	.01	2	2.42	.01	.11	1	1
49195		1	1	7	84	.1	36	29	595	5.85	2	5	ND	2	65	1	2	2	25	3.06	.076	5	10	3.73	11	.02	2	2.95	.01	.12	1	1
49196		1	15	5	56	.2	24	19	743	4.38	2	5	ND	2	92	1	5	2	16	3.92	.026	3	8	3.17	19	.01	2	1.69	.01	.05	1	1
49197		1	1	7	85	.1	35	26	568	5.60	3	5	ND	1	68	1	3	4	28	3.14	.077	6	10	3.71	18	.03	2	2.94	.01	.19	1	1
49198		1	11	5	74	.1	41	32	518	6.03	6	5	ND	2	85	1	3	2	22	3.34	.074	7	11	3.24	19	.02	2	2.33	.02	.17	1	1
49199		1	10	9	61	.1	38	31	605	6.03	4	5	ND	2	83	1	3	2	20	3.12	.072	6	13	2.71	20	.03	2	1.72	.04	.14	1	1
49200		1	11	6	70	.1	42	32	633	6.45	2	5	ND	2	94	1	3	2	27	3.33	.072	5	15	2.96	29	.03	2	1.98	.07	.12	1	1
STD C/AU-R		18	59	43	132	6.5	67	30	953	3.79	44	18	7	38	48	18	16	21	59	.44	.100	38	56	.87	175	.07	38	1.83	.06	.14	13	530

SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
49201		1	3	6	87	.1	40	36	609	7.08	3	5	ND	2	81	1	5	2	31	2.87	.077	6	14	3.33	20	.01	2	2.50	.03	.10	1	2
49202		1	1	11	86	.2	43	35	752	6.98	2	5	ND	2	73	1	6	2	42	2.35	.078	6	15	3.07	38	.01	2	2.34	.05	.08	1	1
49203		1	1	10	89	.2	45	34	909	7.06	4	6	ND	2	81	1	5	2	47	2.91	.073	5	15	3.32	27	.01	2	2.38	.04	.06	1	1
49204		1	1	12	101	.1	43	42	918	7.17	4	5	ND	1	70	1	6	2	41	2.49	.078	5	14	3.46	19	.01	2	2.80	.04	.07	1	1
49205		1	1	8	80	.1	43	33	996	6.81	2	5	ND	1	77	1	4	2	28	2.82	.077	5	13	3.04	34	.01	2	2.22	.04	.11	1	1
49206		1	1	9	103	.2	42	37	840	7.09	2	5	ND	2	64	1	4	2	46	2.33	.078	5	15	3.42	16	.01	2	2.87	.05	.07	1	2
49207		1	1	6	93	.1	43	34	760	7.05	2	5	ND	1	60	1	4	2	40	2.19	.078	6	15	3.11	23	.01	2	2.59	.05	.08	1	3
49208		1	1	8	97	.1	44	35	728	7.43	3	5	ND	1	62	1	6	3	42	2.24	.077	6	16	3.22	24	.01	2	2.76	.05	.09	1	2
49209		1	9	6	45	.1	25	30	830	6.75	3	5	ND	1	94	1	4	2	27	4.04	.069	3	11	2.48	84	.01	2	1.10	.01	.12	1	2
49210		1	1	10	121	.1	48	39	658	7.83	2	5	ND	2	52	1	5	2	52	2.02	.077	6	16	3.71	12	.01	2	3.44	.03	.06	1	1
49211		1	2	8	96	.1	44	35	834	7.44	3	5	ND	1	69	1	3	2	40	2.55	.077	6	15	3.19	23	.01	2	2.65	.05	.07	1	2
49212		1	27	10	83	.1	39	32	949	6.63	4	5	ND	1	86	1	5	2	29	3.45	.069	4	12	3.07	61	.01	2	2.17	.04	.08	1	2
49213		1	33	7	104	.1	40	34	1107	6.94	3	5	ND	2	96	1	5	2	37	3.65	.074	5	13	3.48	52	.01	2	2.70	.04	.08	1	2
49214		1	6	8	102	.1	42	35	642	7.27	2	5	ND	1	69	1	5	2	41	2.63	.075	6	14	3.14	19	.01	2	2.66	.05	.06	1	1
49215		1	57	8	54	.1	32	26	782	6.27	2	5	ND	1	95	1	4	2	24	3.67	.071	5	9	2.41	55	.01	2	1.34	.02	.13	1	1
49216		1	43	4	82	.1	41	33	1126	6.77	5	6	ND	2	112	1	4	2	28	3.38	.073	5	13	3.09	35	.01	2	2.29	.04	.10	1	1
49217	G90-06	1	23	7	105	.1	41	34	706	7.07	2	5	ND	1	80	1	3	2	44	2.51	.073	6	14	3.48	22	.01	2	3.18	.05	.07	1	1
49218		1	28	5	80	.1	42	39	867	7.06	2	5	ND	1	108	1	4	2	33	3.06	.074	5	14	3.03	47	.01	2	2.45	.06	.10	1	2
49219		1	18	9	76	.1	39	31	901	6.59	2	5	ND	1	109	1	4	2	30	3.27	.073	5	13	3.06	23	.01	2	2.30	.04	.08	1	1
49220		1	40	7	75	.1	40	32	1018	6.97	2	5	ND	1	96	1	3	2	29	3.24	.076	5	14	3.15	25	.01	2	2.37	.04	.10	1	1
49221		1	16	6	49	.1	37	28	1240	5.95	2	5	ND	1	123	1	5	2	19	4.22	.071	5	13	2.81	38	.01	2	1.55	.02	.13	1	3
49222		1	206	5	50	.2	38	37	1245	5.85	2	5	ND	1	115	1	4	2	17	4.12	.071	4	7	2.85	33	.01	2	1.80	.01	.18	1	1
49223		1	6	4	30	.3	37	38	1554	6.14	5	5	ND	1	109	1	5	2	16	4.54	.072	4	8	2.71	20	.01	2	1.34	.01	.19	1	3
49224		1	49	7	40	.1	32	21	1764	5.56	7	5	ND	1	101	1	6	2	20	4.02	.073	6	6	3.08	49	.01	2	1.99	.01	.24	1	1
49225		1	17	4	17	.1	9	6	703	2.37	2	5	ND	4	27	1	4	2	12	2.16	.042	11	8	1.62	40	.02	4	.94	.01	.23	1	2
49226		1	3	5	16	.1	7	4	543	2.23	2	5	ND	5	25	1	3	2	9	1.46	.046	22	9	1.23	54	.02	10	.97	.01	.23	1	1
49227		1	2	2	10	.1	6	4	1471	1.65	4	5	ND	5	41	1	4	2	6	4.03	.044	13	7	2.29	50	.01	9	.63	.01	.22	1	2
49228		1	1	5	14	.1	8	4	351	1.76	5	5	ND	5	16	1	2	2	7	.89	.047	17	9	1.12	33	.01	9	.92	.01	.19	1	1
49229		1	6	5	16	.1	8	4	319	1.91	3	5	ND	5	11	1	3	2	9	.54	.035	15	9	1.13	30	.01	5	.99	.01	.17	1	1
49230		1	1	2	5	.1	3	3	1498	1.34	2	5	ND	5	58	1	4	2	4	4.34	.043	16	3	2.25	36	.01	6	.34	.01	.20	1	2
49231		1	2	2	8	.1	5	4	1730	1.71	4	5	ND	4	64	1	5	2	5	4.63	.032	11	2	2.64	41	.01	5	.52	.01	.20	1	1
49232		1	2	6	4	.1	3	9	2309	1.44	6	5	ND	3	78	1	5	2	6	6.81	.030	5	3	3.15	30	.01	5	.23	.01	.18	1	3
49233		1	1	2	1	.1	1	4	1011	.82	3	5	ND	4	43	1	2	2	6	3.37	.040	7	2	1.63	23	.01	7	.26	.01	.21	1	2
STD C/AU-R		18	58	38	131	6.6	67	30	952	3.85	39	22	7	37	48	18	15	24	60	.44	.099	39	56	.87	173	.07	41	1.87	.06	.13	12	510

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 5 1990 DATE REPORT MAILED: Feb 7/90 . SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0292 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45019	1	19	260	77	.4	16	7	407	2.24	2	5	ND	17	10	1	2	2	22	.25	.018	36	25	.52	71	.13	5	1.12	.04	.39	1	1
A 45020	2	23	56	59	.3	15	6	441	1.94	8	6	ND	14	14	1	3	2	19	.41	.016	28	21	.47	121	.12	3	1.19	.06	.42	1	1
A 45021	3	87	6	23	.1	23	12	343	2.61	2	5	ND	13	6	1	2	2	10	.52	.035	15	11	.49	43	.08	2	1.08	.02	.23	2	3
A 45925	3	35	20	251	.1	18	7	521	2.23	5	9	ND	8	23	1	2	2	12	1.23	.013	17	18	.38	26	.07	2	1.11	.04	.13	2	1
B 49234	2	3	6	3	.1	5	8	2024	1.55	5	5	ND	4	87	1	2	2	6	6.67	.034	8	4	3.07	52	.01	6	.20	.01	.17	1	1
B 49235	1	6	3	2	.1	9	8	1274	1.28	5	5	ND	4	53	1	2	2	9	4.29	.045	9	5	2.04	60	.01	7	.28	.01	.21	1	1
B 49236	2	7	5	2	.1	7	12	937	1.26	6	5	ND	5	24	1	2	2	8	2.31	.050	20	6	1.00	106	.01	4	.35	.01	.24	1	1
B 49237	1	10	3	6	.1	7	4	621	2.33	2	5	ND	4	12	1	2	2	12	1.34	.053	25	8	.58	109	.02	6	.47	.01	.30	1	1
B 49238	1	4	2	5	.1	6	4	1782	2.80	2	5	ND	5	58	1	2	2	10	5.08	.042	21	6	2.24	85	.01	4	.32	.01	.24	1	2
B 49239	1	6	2	4	.1	5	2	932	3.11	2	5	ND	7	38	1	2	2	13	2.79	.044	23	9	1.19	61	.03	5	.39	.01	.28	1	1
B 49240	1	12	2	7	.1	6	5	2841	3.66	2	5	ND	3	304	1	2	2	3	12.38	.014	6	3	1.07	247	.01	2	.11	.01	.08	1	1
B 49241	1	44	2	4	.1	4	3	1001	2.16	3	5	ND	7	40	1	2	2	11	2.99	.060	26	7	1.12	54	.02	6	.30	.01	.21	1	1
B 49242	1	5	2	4	.1	5	4	976	3.58	5	6	ND	5	26	1	2	2	18	1.58	.064	27	8	.69	53	.04	12	.41	.01	.30	1	1
B 49243	1	5	10	3	.1	3	4	830	6.09	2	5	ND	4	34	1	2	2	53	1.97	.130	22	16	.74	60	.10	4	.39	.01	.28	1	1
B 49244	1	25	9	3	.1	5	5	834	5.90	5	5	ND	3	38	1	2	2	65	2.22	.111	19	15	.68	73	.09	5	.33	.01	.24	1	1
B 49245	1	21	5	3	.1	5	7	958	9.00	2	5	ND	3	25	1	2	2	124	1.25	.108	17	30	.26	78	.15	10	.32	.01	.23	1	1
B 49246	1	29	7	4	.1	4	5	994	5.01	2	5	ND	4	38	1	2	4	56	2.61	.091	22	11	.90	72	.07	2	.64	.01	.45	1	1
B 49247	2	21	10	5	.1	10	10	1402	13.12	6	5	ND	5	29	1	2	2	200	1.65	.106	22	51	.49	137	.22	4	.58	.01	.43	1	1
B 49248	1	4	2	3	.1	1	4	761	4.96	2	5	ND	4	26	1	2	2	52	1.64	.113	21	13	.66	72	.07	2	.39	.01	.30	1	1
B 49249	1	8	8	3	.1	4	6	631	8.08	7	5	ND	3	17	1	2	2	92	.88	.142	27	22	.55	39	.12	8	.43	.01	.32	1	2
B 49250	1	162	5	7	.1	6	8	2006	6.10	7	5	ND	3	142	1	2	2	37	5.12	.067	8	10	2.64	64	.05	2	.19	.01	.16	1	1
B 49251	1	40	6	4	.1	3	5	1330	5.92	2	5	ND	2	76	1	2	3	52	3.33	.125	16	14	1.68	25	.08	10	.38	.01	.30	1	1
B 49252	1	31	2	2	.1	3	4	590	5.51	5	5	ND	2	23	1	2	2	62	1.62	.124	21	15	1.01	27	.08	3	.42	.01	.31	1	1
B 49253	8	5	7	2	.1	3	4	507	6.57	4	5	ND	2	14	1	2	3	87	1.00	.114	26	30	.82	27	.10	2	.40	.01	.30	1	1
B 49254	35	9	3	2	.1	3	4	526	6.01	2	5	ND	6	10	1	2	2	21	.90	.035	37	3	.84	35	.08	5	.39	.01	.31	1	1
B 49255	10	7	9	3	.1	4	5	743	6.60	3	5	ND	4	12	1	2	2	6	1.18	.021	56	1	.96	46	.08	4	.37	.01	.30	1	1
B 49256	7	7	7	4	.1	1	6	712	7.46	6	5	ND	5	9	1	2	2	1	.65	.036	28	1	.47	36	.10	4	.49	.01	.37	1	1
B 49257	11	6	2	4	.2	3	5	878	5.39	2	6	ND	4	15	1	2	2	1	.65	.035	65	1	.82	27	.05	3	.40	.01	.30	1	1
B 49258	5	3	6	2	.1	1	4	449	6.47	2	5	ND	4	6	1	2	2	1	.35	.044	21	1	.70	26	.09	4	.42	.01	.32	1	1
B 49259	1	2	5	3	.2	1	4	334	6.60	2	5	ND	4	9	1	2	2	1	.52	.050	34	1	.42	34	.09	2	.44	.01	.34	2	2
B 49260	1	4	7	3	.1	1	5	514	7.66	6	5	ND	5	15	1	2	3	1	.83	.065	29	1	.73	29	.11	7	.43	.01	.33	1	2
B 49261	1	4	9	8	.2	7	8	854	6.58	3	5	ND	5	14	1	2	2	2	.76	.052	82	1	1.49	28	.06	2	.48	.01	.35	1	1
B 49262	1	2	7	2	.1	1	6	797	6.85	2	5	ND	6	6	1	2	2	3	.28	.020	40	1	.93	25	.08	6	.41	.01	.32	1	1
B 49263	1	4	2	4	.1	4	7	1523	4.96	2	5	ND	2	12	1	2	2	1	.56	.025	48	1	1.70	25	.03	3	.38	.01	.30	1	1
B 49264	8	4	8	3	.1	4	4	761	5.27	3	5	ND	3	25	1	2	2	2	1.44	.071	52	1	.93	22	.07	2	.38	.01	.28	1	2
B 49265	2	3	10	1	.1	1	5	187	9.77	2	5	ND	6	3	1	2	2	3	.16	.028	27	1	.21	24	.16	2	.34	.01	.26	1	1
STD C/AU-R	19	61	37	132	6.9	67	30	1019	3.96	42	20	7	38	49	19	15	21	60	.45	.098	39	52	.91	176	.07	39	2.03	.06	.13	12	505

G90-06

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49266	7	3	6	1	.1	1	3	329	4.79	2	5	ND	4	5	1	2	2	2	.28	.036	68	3	.38	18	.07	2	.27	.01	.22	1	6
B 49267	8	1	8	2	.1	1	4	796	4.35	3	5	ND	3	43	1	2	2	2	2.45	.042	54	2	1.24	16	.05	6	.27	.01	.23	1	2
B 49268	1	1	10	2	.1	1	4	479	7.40	2	5	ND	4	14	1	2	2	1	.87	.063	62	1	.68	20	.10	2	.32	.01	.25	1	2
B 49269	1	2	8	1	.1	1	5	412	7.82	2	5	ND	4	8	1	2	2	1	.48	.065	25	1	.55	20	.11	7	.34	.01	.26	1	1
B 49270	2	2	8	1	.1	2	4	214	7.83	2	5	ND	6	5	1	2	2	4	.15	.052	41	3	.24	21	.12	15	.28	.01	.22	1	1
B 49271	1	1	10	1	.1	2	6	543	7.37	3	5	ND	3	7	1	2	2	1	.22	.054	51	2	.63	16	.10	3	.27	.01	.20	1	1
B 49272	1	1	4	3	.1	4	7	755	7.23	3	5	ND	3	24	1	2	2	1	.78	.068	39	1	1.05	20	.08	6	.28	.01	.22	1	1
B 49273	1	1	4	4	.2	3	6	721	6.63	2	5	ND	4	8	1	2	7	1	.36	.063	40	1	1.04	18	.07	13	.30	.01	.23	1	1
B 49274	1	1	2	2	.1	3	5	421	5.92	2	5	ND	3	9	1	2	2	1	.36	.067	62	1	.64	22	.07	5	.30	.01	.23	1	1
B 49275	1	2	5	3	.1	3	7	2222	6.04	3	5	ND	3	30	1	2	2	1	4.74	.023	18	2	2.82	9	.03	10	.13	.01	.11	1	1
B 49276	3	1	8	4	.1	2	6	922	7.89	5	5	ND	3	12	1	2	2	1	.71	.066	59	1	1.19	15	.08	7	.34	.01	.24	1	1
B 49277	2	1	9	2	.1	2	5	458	6.27	2	5	ND	5	8	1	2	2	1	.27	.065	70	1	.65	18	.08	8	.31	.01	.23	1	1
B 49278	1	1	5	3	.1	2	4	1022	4.71	2	5	ND	5	24	1	2	2	1	1.62	.066	79	2	1.27	16	.04	5	.30	.01	.24	1	2
B 49279	8	3	5	4	.2	1	3	1273	3.57	2	5	ND	7	57	1	2	5	1	2.72	.063	97	2	1.51	17	.02	6	.30	.01	.25	1	2
B 49280	9	9	7	5	.2	1	4	1298	4.84	2	5	ND	6	49	1	2	2	1	2.09	.064	98	1	1.60	16	.02	2	.28	.01	.24	1	1
B 49281	2	44	5	5	.1	2	2	1213	2.99	2	5	ND	2	180	1	2	2	1	4.55	.020	22	3	2.03	9	.01	5	.11	.01	.09	1	1
B 49282	5	8	8	7	.3	2	4	1271	5.01	3	5	ND	6	56	1	2	2	1	1.98	.065	95	1	1.48	21	.01	8	.30	.01	.25	1	1
B 49283	4	9	5	8	.1	1	4	1033	5.99	2	5	ND	5	56	1	2	2	1	1.57	.062	88	1	1.58	18	.01	5	.32	.01	.22	1	2
B 49284	2	7	7	7	.2	1	4	637	6.05	2	5	ND	5	39	1	2	2	1	1.02	.062	90	1	1.16	20	.01	4	.28	.01	.20	1	2
B 49301	1	55	6	8	.1	16	8	666	2.31	5	5	ND	9	5	1	2	4	9	.18	.063	33	9	.71	206	.01	6	.93	.01	.24	1	1
B 49302	1	10	2	9	.1	13	10	894	2.74	5	5	ND	5	83	1	2	2	7	5.77	.048	15	6	3.33	983	.01	5	.84	.01	.15	1	1
B 49303	2	4	2	20	.1	30	16	1540	5.02	7	5	ND	5	19	1	2	2	28	.97	.111	26	11	2.41	386	.01	2	2.19	.01	.20	1	1
B 49304	1	1	5	12	.1	17	10	621	2.65	7	5	ND	3	52	1	2	2	10	4.51	.062	9	7	3.35	407	.01	3	1.34	.01	.14	1	1
B 49305	1	1	2	5	.1	7	6	771	1.84	6	5	ND	6	62	1	2	2	6	6.20	.040	15	5	3.43	476	.01	5	.57	.01	.16	1	1
B 49306	1	4	4	6	.1	14	9	960	3.01	4	5	ND	5	28	1	2	2	23	3.27	.053	17	11	1.91	661	.01	5	.68	.01	.18	1	1
B 49307	1	1	4	5	.1	11	11	775	1.90	8	5	ND	4	73	1	2	2	5	7.61	.034	5	4	3.99	128	.01	6	.45	.01	.12	1	1
B 49308	1	4	2	7	.1	15	9	871	2.05	7	5	ND	3	84	1	2	2	7	8.89	.041	7	5	4.80	260	.01	10	.64	.01	.13	1	1
B 49309	1	3	5	6	.1	18	16	662	1.83	6	5	ND	4	43	1	2	4	6	4.21	.039	9	10	2.69	653	.01	6	.62	.01	.16	1	1
B 49310	1	6	3	6	.1	17	18	686	2.01	9	5	ND	4	63	1	2	2	5	7.10	.045	6	6	4.05	256	.01	6	.68	.01	.16	1	1
B 49311	1	1	2	5	.1	10	9	748	1.72	5	5	ND	5	63	1	2	2	5	7.72	.034	13	4	3.96	261	.01	5	.43	.01	.15	1	1
B 49312	1	1	2	4	.1	10	5	730	1.57	5	5	ND	4	72	1	2	2	4	8.90	.027	7	4	4.58	57	.01	2	.39	.01	.14	1	2
B 49313	1	452	2	5	.1	25	17	1062	2.99	13	5	ND	2	111	1	2	4	4	10.83	.023	3	5	5.46	23	.01	9	.47	.01	.17	1	1
B 49314	1	2	4	3	.2	8	9	708	1.58	5	5	ND	4	72	1	2	5	3	8.97	.029	6	4	4.52	79	.01	4	.29	.01	.13	1	1
B 49315	1	8	2	4	.1	12	14	797	1.98	5	5	ND	5	57	1	2	2	8	7.46	.033	9	4	3.67	554	.01	8	.36	.01	.15	1	1
B 49316	1	6	7	5	.1	14	16	1188	3.38	4	5	ND	6	24	1	2	2	21	3.95	.048	16	9	2.06	214	.01	5	.53	.01	.18	1	1
B 49317	1	2	7	3	.1	9	8	761	1.68	7	5	ND	6	68	1	2	2	4	9.31	.029	12	4	4.44	105	.01	10	.31	.01	.13	1	1
STD C/AU-R	18	57	37	132	6.7	70	31	946	3.92	39	17	6	36	48	18	14	21	58	.45	.096	38	55	.90	174	.07	40	1.96	.06	.13	13	480

G90-06

[redacted]CME[redacted]AL[redacted]L L[redacted]ATO[redacted] LT[redacted] [redacted] E.[redacted]TIN[redacted]ST. [redacted] U[redacted]B.C[redacted]6A [redacted] [redacted]PHONE(604)252[redacted]158 [redacted]FAX(60[redacted]53-1716[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 6 1990 DATE REPORT MAILED: Feb 7/90. SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0313

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 39451	1	1	7	3	.1	3	4	738	.84	5	5	ND	2	145	1	2	2	4	17.60	.010	2	2	9.33	2483	.01	22	.11	.01	.04	2	2
B 49285	3	2	10	9	.2	2	4	680	5.62	3	7	ND	5	45	1	2	2	1	1.36	.058	70	2	1.32	26	.02	4	.39	.02	.22	1	1
B 49286	3	5	5	12	.2	4	5	872	5.86	3	5	ND	4	52	1	2	2	1	1.51	.055	64	1	1.60	20	.01	3	.35	.02	.23	1	1
B 49287	2	49	8	12	.2	3	6	666	6.74	6	7	ND	6	34	1	2	2	1	.96	.057	76	1	1.57	20	.01	6	.35	.01	.23	1	3
B 49288	5	22	8	8	.2	4	4	665	6.31	3	5	ND	6	32	1	2	2	1	.88	.052	55	3	1.15	23	.01	9	.37	.01	.28	1	2
B 49289	2	4	7	13	.2	3	5	770	7.24	4	5	ND	6	28	1	2	8	1	.86	.056	83	1	1.78	22	.01	2	.39	.01	.29	1	2
B 49290	5	1	7	11	.1	4	4	701	5.92	4	5	ND	5	76	1	2	2	1	2.13	.055	53	5	1.64	28	.02	12	.40	.01	.26	1	1
B 49291	5	24	8	10	.2	3	6	545	6.50	3	5	ND	5	37	1	2	2	1	1.14	.054	58	3	1.05	15	.02	3	.37	.03	.18	1	1
B 49292	3	42	3	9	.1	7	4	738	6.55	4	5	ND	5	44	1	2	2	1	1.41	.052	55	4	1.13	16	.04	3	.37	.05	.15	1	2
B 49293	4	2	7	11	.2	2	3	812	6.27	2	5	ND	5	56	1	2	2	1	1.63	.058	68	1	1.24	17	.01	6	.32	.05	.15	1	2
B 49294	3	25	8	9	.1	3	4	1064	6.78	4	5	ND	5	42	1	2	2	1	1.63	.054	59	2	1.35	16	.01	5	.31	.04	.16	1	4
B 49295	5	4	5	9	.1	4	5	988	6.24	4	5	ND	4	44	1	2	2	1	1.26	.059	50	1	1.30	9	.01	2	.33	.05	.11	1	1
B 49296	4	4	7	9	.2	6	5	1500	6.29	4	5	ND	5	108	1	2	2	1	3.53	.050	50	3	2.06	8	.01	3	.29	.05	.12	1	3
B 49297	4	4	6	8	.2	3	5	1086	6.94	5	6	ND	7	29	1	2	2	1	.81	.063	83	1	1.29	17	.02	5	.41	.04	.25	2	1
B 49298	6	3	6	9	.1	4	6	1062	6.07	2	5	ND	5	62	1	2	2	1	2.25	.054	60	2	1.67	15	.01	7	.41	.03	.17	1	2
B 49299	2	3	6	6	.1	6	4	1422	3.19	3	5	ND	2	164	1	2	2	1	6.21	.013	8	5	2.31	4	.01	6	.11	.01	.05	1	1
B 49300	4	11	7	7	.1	3	5	906	6.51	3	5	ND	6	29	1	2	2	1	.77	.062	80	2	1.23	23	.02	2	.43	.01	.29	1	1
B 49451	4	86	8	5	.1	8	3	719	5.40	2	5	ND	4	52	1	2	2	1	1.29	.042	56	7	1.17	20	.04	5	.37	.01	.29	1	1
B 49452	4	8	6	7	.3	3	5	792	6.44	3	5	ND	6	53	1	2	2	1	1.65	.062	77	2	1.46	16	.02	6	.43	.01	.23	1	1
B 49453	4	2	6	5	.1	4	11	689	5.43	3	5	ND	3	63	1	2	2	1	2.40	.054	31	5	1.28	15	.01	6	.45	.01	.25	1	1
B 49454	1	6	7	17	.1	1	7	456	7.12	2	5	ND	6	28	1	2	2	1	.78	.058	90	1	1.61	24	.03	13	.98	.01	.36	1	3
STD C/AU-R	18	57	40	132	6.6	67	31	951	4.06	40	17	7	37	48	19	14	23	58	.45	.096	38	55	.91	175	.07	39	1.87	.06	.13	13	490

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SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
A 45447	1	25	5	64	.1	36	31	642	6.74	2	5	ND	1	97	1	2	2	35	3.25	.082	10	12	2.87	122	.01	3	3.24	.02	.11	1	2
A 45448	1	109	2	58	.1	37	37	838	6.98	3	5	ND	1	71	1	2	2	45	3.34	.085	10	17	3.46	79	.01	2	4.06	.01	.07	1	1
A 45449	1	7	6	63	.1	40	34	696	8.13	3	5	ND	1	12	1	2	2	66	.90	.081	13	18	4.98	72	.01	2	5.31	.01	.04	1	2
A 45450	1	3	3	60	.1	43	30	477	8.03	2	5	ND	1	21	1	2	2	55	1.08	.076	12	17	4.62	43	.02	4	4.95	.01	.07	1	2
A 45451	1	43	2	36	.1	26	21	1741	4.35	4	5	ND	1	160	1	2	2	27	8.95	.038	5	10	2.39	170	.01	3	2.30	.01	.05	1	4
A 45452	1	162	7	66	.1	43	31	669	5.64	2	5	ND	1	113	1	2	2	38	4.50	.071	6	13	3.02	19	.01	2	3.27	.03	.09	2	1
A 45453	1	29	2	60	.1	41	33	704	6.69	2	5	ND	1	98	1	2	3	30	3.49	.072	8	15	2.95	30	.01	2	2.89	.02	.11	1	1
A 45454	1	9	3	65	.1	42	34	760	6.77	2	5	ND	1	96	1	2	2	25	3.30	.072	9	14	2.99	26	.01	2	2.65	.02	.13	2	2
A 45455	1	64	4	49	.1	40	21	1316	6.28	2	5	ND	1	58	1	2	2	22	3.60	.068	9	13	3.39	28	.01	3	2.71	.01	.17	3	2
A 45456	1	56	2	63	.1	39	31	879	6.93	2	5	ND	1	81	1	2	2	20	3.10	.068	7	10	3.19	19	.01	2	2.68	.01	.13	1	2
A 45457	1	32	5	72	.1	41	32	1067	5.73	4	5	ND	1	110	1	2	2	15	4.11	.068	7	11	3.13	20	.01	3	2.17	.01	.16	1	4
A 45458	1	5	2	66	.1	43	32	823	6.21	7	5	ND	1	93	1	2	2	13	3.50	.070	7	13	2.75	21	.01	2	1.87	.02	.16	1	2
A 45459	1	18	2	89	.2	43	33	958	6.48	2	5	ND	1	92	1	2	2	17	3.49	.069	7	11	3.15	21	.01	2	2.41	.01	.15	2	2
A 45460	1	23	4	89	.1	41	34	909	6.39	2	5	ND	1	96	1	2	2	16	3.51	.071	7	13	3.14	21	.01	2	2.33	.01	.16	1	3
A 45461	1	12	3	56	.1	41	30	1093	6.23	6	5	ND	1	89	1	2	3	16	3.72	.072	8	11	2.75	26	.01	3	1.89	.01	.22	1	2
A 45462	1	38	2	35	.1	39	21	1228	5.43	2	5	ND	1	68	1	2	2	17	3.93	.070	7	9	3.02	20	.01	4	2.03	.01	.21	1	1
A 45463	1	181	2	32	.1	35	9	2307	7.07	2	5	ND	1	46	1	2	2	23	6.08	.052	5	9	3.65	36	.01	4	2.17	.01	.17	1	2
A 45464	1	8	7	33	.1	44	16	908	5.27	2	5	ND	1	25	1	2	2	26	2.25	.101	2	11	3.17	37	.02	6	3.06	.01	.37	2	2
A 45465	1	14	3	14	.1	24	11	728	2.67	2	5	ND	3	23	1	2	2	9	2.06	.037	12	15	1.91	21	.01	9	1.21	.01	.19	1	2
A 45466	1	8	6	13	.1	17	8	1400	2.90	2	5	ND	2	47	1	2	2	8	4.78	.035	7	12	3.10	18	.01	22	1.05	.01	.16	1	3
A 45467	1	7	6	9	.2	14	8	720	2.15	19	6	ND	7	18	1	5	2	9	2.36	.046	12	12	1.86	45	.01	44	1.14	.01	.28	1	1
A 45468	2	22	6	12	.3	20	11	246	2.22	10	7	ND	7	5	1	4	2	10	.50	.054	18	17	1.29	47	.01	47	1.40	.01	.27	2	3
A 45469	1	19	8	8	.3	16	13	817	1.98	7	8	ND	6	27	1	4	3	11	3.06	.044	7	12	2.16	25	.01	26	.92	.01	.26	1	3
A 45470	1	17	10	6	.1	16	24	1195	1.90	8	5	ND	5	46	1	3	2	6	4.56	.033	4	5	2.43	23	.01	11	.49	.01	.24	1	2
A 45471	5	53	5	5	.1	7	16	1643	2.09	9	5	ND	4	66	1	2	2	6	7.04	.030	5	6	3.10	16	.01	13	.23	.01	.16	1	2
A 45472	2	740	10	6	.1	23	41	604	1.38	10	5	ND	5	24	1	2	2	6	1.97	.045	11	10	1.07	245	.01	17	.55	.01	.30	1	3
A 45473	4	132	9	3	.1	16	22	755	1.43	4	5	ND	5	28	1	2	2	6	2.59	.039	8	10	1.34	162	.01	22	.54	.01	.28	1	2
A 45474	2	148	14	4	.1	18	29	1019	1.91	14	5	ND	3	36	1	2	2	8	3.81	.044	4	7	1.92	37	.01	18	.55	.01	.26	1	3
A 45475	1	31	9	4	.1	14	13	817	1.59	4	5	ND	3	27	1	2	2	10	2.90	.054	8	7	1.55	448	.01	19	.69	.01	.28	1	3
A 45476	1	21	7	9	.1	16	6	395	1.84	6	5	ND	5	4	1	2	2	7	.48	.043	20	13	.99	107	.01	58	1.11	.01	.21	1	5
A 45477	1	14	6	5	.1	20	10	559	1.43	5	5	ND	9	8	1	2	2	9	1.25	.053	18	12	.66	547	.01	37	.86	.01	.35	1	3
A 45478	1	6	4	5	.1	11	6	876	1.55	7	5	ND	4	31	1	2	2	8	2.55	.056	13	8	1.65	40	.01	14	.79	.01	.29	1	1
A 45479	1	16	5	9	.1	15	10	835	2.35	3	5	ND	3	22	1	2	2	12	1.66	.067	11	13	1.69	87	.01	16	1.21	.01	.27	1	2
A 45480	1	14	5	10	.1	15	10	1364	2.77	3	5	ND	2	37	1	2	2	12	3.39	.057	10	12	2.38	174	.01	12	1.26	.01	.29	1	5
A 45481	2	17	8	12	.1	15	11	908	3.02	4	5	ND	2	14	1	2	2	18	2.46	.056	9	12	1.71	146	.02	13	1.47	.01	.27	1	1
A 45482	2	10	6	9	.1	15	12	1473	2.22	2	5	ND	3	40	1	2	2	11	3.07	.053	17	9	2.09	247	.01	16	1.05	.01	.30	1	1
A 45483	2	11	9	12	.1	14	10	686	2.86	2	5	ND	3	9	1	2	2	16	1.08	.069	17	23	1.31	871	.02	20	1.63	.01	.30	1	1
STD C/AU-R	17	58	39	133	7.1	67	29	1031	3.85	41	20	7	37	47	18	16	22	59	.44	.099	38	55	.88	176	.07	38	1.83	.06	.14	13	515

G90-09

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 7 1990 **DATE REPORT MAILED:** Feb 12/90 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0326

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49458	1	8	2	6	.1	11	6	682	1.87	8	5	ND	6	40	1	2	2	10	10.58	.047	11	12	.95	84	.01	7	1.18	.01	.10	2	1
B 49459	1	9	2	3	.1	9	5	1135	1.72	13	5	ND	6	35	1	2	2	6	14.86	.040	10	6	2.43	58	.01	4	.56	.01	.07	1	3
B 49460	1	11	4	2	.2	7	6	979	1.46	10	5	ND	6	25	1	2	2	5	12.56	.033	9	5	4.53	55	.01	3	.47	.01	.08	1	1
B 49461	1	6	4	2	.1	8	7	1041	1.65	6	5	ND	5	17	1	2	2	4	16.66	.047	12	3	2.85	62	.01	2	.36	.01	.07	1	1
B 49462	1	4	4	1	.1	10	8	346	1.19	5	5	ND	8	9	1	2	2	5	2.95	.074	19	7	.64	46	.01	13	.58	.01	.18	2	2
B 49463	1	3	4	3	.2	11	5	368	1.18	5	5	ND	8	12	1	2	2	5	5.94	.065	21	8	1.23	36	.01	8	.68	.01	.13	1	1
B 49464	1	4	3	3	.1	14	4	328	1.26	6	5	ND	7	13	1	2	2	6	5.75	.059	17	11	1.69	75	.01	5	.83	.01	.11	1	1
B 49465	1	23	7	2	.1	8	4	662	1.49	7	5	ND	5	23	1	2	2	4	10.47	.042	17	4	3.65	20	.01	5	.43	.01	.08	1	1
B 49466	1	5	7	2	.1	5	3	890	1.36	4	5	ND	6	36	1	2	2	4	16.32	.040	9	4	5.52	26	.01	5	.49	.01	.07	1	1
B 49467	1	9	2	1	.1	5	2	881	1.11	12	5	ND	4	30	1	2	2	3	16.63	.017	9	3	6.52	28	.01	5	.25	.01	.04	1	1
B 49468	1	8	6	2	.2	4	4	1341	1.63	29	5	ND	5	32	1	2	2	5	20.23	.021	11	4	5.34	63	.01	7	.36	.01	.03	1	1
B 49469	1	3	4	1	.1	5	3	1260	1.85	19	5	ND	4	34	1	2	2	6	19.80	.017	4	5	5.09	46	.01	4	.40	.01	.01	1	1
B 49470	1	15	16	5	.1	16	12	1167	2.13	12	5	ND	6	19	1	2	2	7	8.77	.038	4	8	3.91	20	.01	8	.69	.01	.07	2	52
B 49471	1	8	3	5	.1	14	8	448	1.47	2	5	ND	7	6	1	2	2	5	.98	.053	27	7	.51	167	.01	5	.43	.01	.23	1	3
B 49472	1	17	3	6	.1	16	3	498	1.22	2	5	ND	8	7	1	2	2	5	1.68	.051	35	8	.87	127	.01	7	.51	.01	.22	2	1
B 49473	1	39	8	6	.1	16	16	866	1.58	5	5	ND	8	5	1	2	2	6	.75	.060	38	7	.41	199	.01	2	.35	.01	.19	1	1
B 49474	1	52	5	7	.1	21	3	290	.95	2	5	ND	7	6	1	2	2	5	1.01	.054	32	11	.85	119	.01	6	.65	.01	.22	1	1
B 49475	1	34	3	6	.1	19	9	321	1.03	2	5	ND	7	9	1	2	2	4	1.58	.048	25	9	1.01	262	.01	3	.55	.01	.19	1	1
B 49476	1	12	2	4	.1	8	4	444	1.04	4	5	ND	6	23	1	2	2	4	5.52	.041	22	5	2.44	270	.01	5	.30	.01	.18	1	2
B 49477	1	6	3	4	.1	16	4	388	1.01	2	5	ND	6	12	1	2	6	4	2.35	.052	24	8	1.09	240	.01	3	.43	.01	.23	1	1
STD C/AU-R	19	58	41	134	6.8	67	31	1016	3.89	43	18	6	37	49	19	15	18	60	.45	.098	39	55	.92	172	.07	40	1.97	.06	.13	13	510

G90-10

[redacted] ACME [redacted] LABORATORIES LTD. [redacted] E. [redacted] ST. [redacted] V[redacted] B.C. [redacted] 6A [redacted] [redacted] ONE [redacted]) 25[redacted] 58 [redacted] X (6[redacted] 53- [redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 8 1990 **DATE REPORT MAILED:** Feb 13/90 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0335 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49478	1	5	2	4	.1	14	4	298	1.08	3	5	ND	10	5	1	2	4	5	1.14	.052	34	5	.34	168	.01	2	.39	.01	.22	1	1
B 49479	1	11	2	3	.2	13	3	360	1.12	3	5	ND	10	6	1	2	2	5	1.97	.057	25	8	.41	235	.01	9	.47	.01	.27	1	1
B 49480	1	14	4	3	.1	12	4	312	1.05	3	5	ND	10	9	1	2	2	4	2.13	.047	29	6	.72	283	.01	7	.39	.01	.23	1	1
B 49481	1	27	2	3	.1	14	6	289	1.16	2	5	ND	10	15	1	2	3	4	3.06	.047	23	9	1.18	708	.01	5	.44	.01	.24	1	1
B 49482	1	7	2	2	.3	12	3	317	.94	2	5	ND	10	17	1	2	2	4	3.69	.045	27	5	1.91	151	.01	4	.37	.01	.20	1	2
B 49483	1	9	2	3	.1	16	7	282	.85	2	5	ND	8	7	1	2	2	5	2.28	.045	26	9	.87	94	.01	10	.49	.01	.23	1	3
B 49484	1	33	2	4	.1	16	7	306	.98	3	5	ND	6	3	1	2	2	5	.91	.042	27	9	.51	102	.01	3	.51	.01	.19	1	1
B 49485	1	46	3	4	.1	20	5	354	.94	3	5	ND	9	2	1	2	3	5	.25	.048	39	9	.41	116	.01	6	.55	.01	.21	1	1
B 49486	1	51	2	7	.1	24	6	540	1.69	2	5	ND	9	3	1	2	2	8	.37	.052	36	9	.55	155	.01	6	.63	.01	.26	1	1
B 49487	1	16	5	6	.1	14	5	828	1.62	3	5	ND	11	4	1	2	2	7	.37	.056	42	7	.32	200	.01	6	.43	.01	.19	1	1
B 49488	1	3	4	3	.1	16	3	247	.78	2	5	ND	9	11	1	2	5	5	2.75	.047	24	9	1.12	288	.01	4	.45	.01	.20	1	1
B 49489	1	3	5	3	.2	16	2	159	.64	2	5	ND	7	8	1	2	6	4	1.77	.043	25	9	.69	366	.01	9	.43	.01	.20	1	2
B 49490	1	1	2	3	.1	19	3	209	.87	2	5	ND	7	6	1	2	2	5	1.43	.047	30	9	.68	171	.01	7	.52	.01	.24	1	1
B 49491	1	2	2	3	.1	13	2	284	1.06	2	5	ND	11	6	1	2	3	5	2.14	.054	28	8	.60	100	.01	9	.43	.01	.24	1	1
B 49492	1	1	3	2	.1	10	2	280	1.24	2	5	ND	8	11	1	2	2	5	2.86	.047	26	7	1.06	254	.01	4	.40	.01	.25	1	2
B 49493	1	2	5	2	.1	13	2	240	1.41	2	5	ND	7	14	1	2	2	6	2.51	.047	22	8	.85	584	.01	8	.40	.01	.25	1	1
B 49494	1	2	2	2	.2	11	3	196	1.34	2	5	ND	8	7	1	2	2	7	2.01	.045	26	9	.47	341	.01	9	.39	.01	.25	1	1
B 49495	1	2	4	3	.1	11	2	216	1.25	2	5	ND	7	12	1	2	2	6	2.21	.047	25	7	.77	470	.01	7	.36	.01	.23	1	2
B 49496	1	1	2	1	.1	8	1	169	1.07	2	5	ND	8	13	1	2	2	6	1.78	.052	23	9	.60	606	.01	6	.35	.01	.22	1	1
B 49497	1	1	2	2	.1	10	2	221	1.29	2	5	ND	8	9	1	2	2	7	1.92	.052	25	9	.73	268	.01	6	.35	.01	.22	1	1
B 49498	1	2	2	2	.1	7	2	182	1.09	2	5	ND	7	13	1	2	2	6	1.93	.050	23	7	.65	545	.01	5	.34	.01	.22	1	2
B 49499	1	1	4	2	.1	10	2	220	1.00	4	5	ND	8	7	1	3	2	5	1.76	.051	24	7	.43	360	.01	6	.34	.01	.21	1	1
B 49500	1	2	2	2	.1	11	2	397	1.27	3	5	ND	8	18	1	2	2	5	4.37	.047	25	5	2.33	87	.01	3	.35	.01	.22	1	1
B 49501	1	2	5	3	.1	10	2	476	1.33	3	5	ND	6	21	1	2	2	4	5.47	.050	20	5	2.87	104	.01	4	.33	.01	.20	1	1
B 49502	1	2	2	3	.1	10	2	474	1.25	4	5	ND	8	13	1	2	2	6	6.31	.049	18	5	1.81	106	.01	2	.38	.01	.17	1	1
B 49503	1	5	6	3	.1	11	1	321	.88	2	5	ND	9	9	1	2	2	6	4.06	.055	21	7	1.13	87	.01	2	.44	.01	.18	1	1
B 49504	1	3	2	2	.1	11	1	270	.73	2	5	ND	9	6	1	2	2	5	1.44	.054	28	7	.86	79	.01	6	.41	.01	.19	2	3
B 49505	1	13	5	3	.1	9	3	500	.92	2	5	ND	11	5	1	3	2	7	2.19	.060	32	7	.46	149	.01	4	.44	.01	.23	2	2
B 49506	1	4	2	3	.1	7	1	272	.75	3	5	ND	9	11	1	2	2	5	4.10	.052	26	6	1.55	63	.01	4	.36	.01	.19	1	1
B 49507	1	3	8	4	.1	9	1	227	.73	2	5	ND	8	13	1	2	2	5	3.41	.051	23	8	1.85	80	.01	4	.35	.01	.19	1	1
B 49508	1	3	5	2	.1	9	1	288	.90	2	5	ND	8	15	1	2	2	5	4.31	.047	23	6	2.36	54	.01	2	.35	.01	.18	1	1
B 49509	1	2	4	5	.1	9	2	368	1.00	2	5	ND	5	27	1	2	2	5	6.46	.040	16	5	3.46	365	.01	2	.36	.01	.17	1	1
B 49510	1	4	4	3	.1	7	2	524	1.13	6	5	ND	5	30	1	2	2	5	10.51	.031	12	4	5.25	63	.01	8	.31	.01	.15	1	1
B 49511	1	3	10	4	.1	6	3	444	1.03	4	5	ND	6	34	1	2	2	5	9.07	.034	14	4	5.18	51	.01	5	.29	.01	.15	1	1
B 49512	1	9	2	4	.1	9	2	422	1.04	6	5	ND	5	27	1	2	2	5	9.40	.037	14	6	4.50	59	.01	2	.40	.01	.17	1	5
B 49513	1	7	17	7	.1	8	3	474	1.09	4	5	ND	5	31	1	2	2	5	10.38	.031	12	4	5.46	106	.01	3	.30	.01	.15	1	1
STD C/AU-R	18	57	37	132	6.6	68	30	945	3.95	43	19	7	37	48	18	15	18	58	.45	.094	38	56	.97	175	.07	41	1.84	.06	.14	13	485

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[redacted] [redacted] [redacted] [redacted] [redacted] Bapty Research Limited PROJ[redacted] GOLD CR[redacted]K [redacted]E #[redacted]0-0[redacted] [redacted] [redacted] [redacted]e 2[redacted]

SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	%	K %	W PPM	Au* PPB
B 49514	G90-10	1	13	4	3	.3	10	28	462	1.23	6	5	ND	4	39	1	2	2	3	10.45	.026	4	2	6.06	360	.01	2	.15	.01	.11	1	2
B 49515		1	6	4	3	.1	11	25	502	1.27	7	5	ND	2	43	1	2	2	3	10.78	.025	3	2	6.18	26	.01	2	.14	.01	.10	1	3
B 49516		1	4	6	3	.1	8	10	617	1.18	7	5	ND	3	41	1	2	2	5	14.18	.017	5	2	8.15	18	.01	6	.16	.01	.07	1	3
B 49517		1	3	6	2	.1	5	2	718	1.28	3	5	ND	1	42	1	2	2	6	15.66	.010	3	2	8.61	20	.01	4	.11	.01	.04	1	1
B 49518		1	3	3	2	.1	2	1	276	.63	4	5	ND	8	14	1	2	2	5	4.25	.046	21	3	2.16	46	.01	5	.25	.01	.15	1	1
B 49519		1	13	2	1	.1	6	5	256	.95	2	5	ND	7	11	1	2	4	5	3.04	.054	19	5	1.48	376	.01	2	.39	.01	.18	1	2
B 49520		1	8	2	2	.1	7	6	351	1.44	2	5	ND	6	12	1	2	3	5	3.03	.048	19	4	1.23	560	.01	6	.35	.01	.20	1	1
B 49521		1	4	2	2	.1	5	3	295	1.09	2	5	ND	7	43	1	2	2	5	3.65	.048	16	5	1.40	1692	.01	3	.32	.01	.18	1	3
B 49522		1	6	2	2	.1	6	2	313	.98	6	5	ND	8	10	1	2	2	6	3.81	.050	19	5	1.43	213	.01	2	.40	.01	.15	1	1
STD C/AU-R		18	58	38	133	6.7	68	31	946	3.90	40	18	7	37	48	18	15	21	58	.44	.097	38	55	.94	175	.07	40	1.82	.06	.13	13	530

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 9 1990 DATE REPORT MAILED: Feb 14/90. SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0344 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49523	1	17	5	28	.1	5	1	239	.74	3	5	ND	10	9	1	2	2	6	2.49	.055	23	6	1.11	71	.01	5	.48	.01	.21	4	3
B 49524	1	7	2	145	.1	6	1	166	.49	2	5	ND	8	9	1	2	2	6	1.81	.051	18	5	.99	54	.01	3	.48	.01	.23	2	3
B 49525	1	20	4	9	.2	13	17	477	1.09	3	5	ND	6	25	1	2	2	6	7.71	.036	10	5	3.64	223	.01	2	.27	.01	.16	1	1
B 49526	1	12	5	36	.2	22	31	537	1.51	6	5	ND	3	38	1	2	2	6	10.84	.030	5	5	5.29	937	.01	2	.18	.01	.12	1	2
B 49527	1	10	7	4	.1	36	40	542	2.58	4	5	ND	3	39	1	2	2	6	10.32	.031	5	4	4.91	1681	.01	6	.17	.01	.12	1	2
B 49528	1	5	3	6	.2	12	15	521	1.15	4	5	ND	4	43	1	2	2	6	11.93	.027	7	4	6.00	287	.01	2	.17	.01	.12	1	2
B 49529	1	86	2	4	.1	16	9	807	1.76	7	5	ND	3	30	1	2	2	6	18.66	.022	4	3	5.10	128	.01	2	.11	.01	.07	1	1
B 49530	1	291	3	17	.2	9	9	555	1.17	8	5	ND	3	46	1	2	2	4	14.22	.017	4	6	7.30	915	.01	3	.10	.01	.08	1	1
B 49531	1	391	5	3	.1	13	12	496	1.17	9	5	ND	2	44	1	2	2	4	14.17	.019	3	5	7.31	165	.01	6	.10	.01	.07	1	3
B 49532	1	222	5	4	.3	11	11	498	1.11	7	5	ND	3	44	1	2	3	5	14.62	.019	4	4	7.71	209	.01	2	.10	.01	.07	1	1
B 49533	1	17	2	3	.2	12	10	511	1.14	13	5	ND	3	50	1	2	2	4	15.77	.015	4	5	8.31	498	.01	4	.09	.01	.05	1	3
B 49534	1	51	2	4	.1	11	14	438	1.06	12	5	ND	5	42	1	2	2	5	12.89	.022	5	5	6.66	513	.01	4	.15	.01	.09	1	1
B 49535	1	70	5	3	.2	9	14	458	1.04	5	5	ND	5	36	1	2	2	6	11.80	.026	8	6	6.04	90	.01	2	.14	.01	.09	1	2
B 49536	1	33	3	3	.1	7	12	430	1.01	6	5	ND	5	36	1	2	2	5	11.17	.025	9	4	5.69	69	.01	6	.16	.01	.10	1	1
B 49537	1	46	2	3	.3	7	14	478	1.12	8	5	ND	4	41	1	2	2	6	12.07	.024	7	6	6.23	399	.01	6	.15	.01	.09	1	3
B 49538	1	50	5	2	.1	10	16	245	.86	8	5	ND	5	22	1	2	2	4	4.65	.036	7	5	2.60	465	.01	10	.30	.01	.15	1	3
B 49539	1	18	2	2	.1	5	8	420	.84	4	5	ND	4	40	1	2	2	5	9.11	.028	6	5	4.62	438	.01	6	.19	.01	.12	1	4
B 49540	1	24	2	3	.3	11	17	483	1.09	10	5	ND	5	44	1	2	2	7	10.32	.026	6	7	5.22	819	.01	6	.19	.01	.12	1	1
B 49541	1	11	5	3	.2	12	18	514	1.20	11	5	ND	5	36	1	2	2	8	7.36	.036	8	6	3.83	1878	.01	2	.25	.01	.13	1	1
B 49542	1	6	2	1	.1	6	6	244	.60	2	5	ND	6	23	1	2	2	5	4.28	.042	9	7	2.44	801	.01	3	.37	.01	.16	1	1
B 49543	1	41	5	3	.1	9	10	315	2.37	5	5	ND	3	3	1	2	2	11	.17	.017	9	7	.99	463	.01	4	.83	.01	.11	1	1
B 49544	1	5	2	2	.1	5	2	367	1.56	2	5	ND	6	6	1	2	4	7	1.24	.027	14	9	.49	348	.01	2	.52	.01	.19	1	1
B 49545	1	3	2	2	.1	5	1	349	1.11	2	5	ND	8	12	1	2	2	8	2.42	.051	21	11	1.28	209	.01	7	.62	.01	.21	1	1
B 49546	1	3	2	2	.1	2	2	337	.82	2	5	ND	5	19	1	2	2	7	2.81	.048	17	6	1.52	468	.01	2	.49	.01	.19	1	1
B 49547	1	37	2	93	.1	47	39	686	7.51	6	5	ND	1	12	1	2	5	18	4.09	.076	8	12	2.43	136	.01	3	3.06	.01	.14	1	1
B 49548	1	27	3	73	.1	46	39	815	6.71	3	5	ND	1	16	1	2	2	15	4.71	.073	7	15	2.09	272	.01	2	2.58	.01	.15	1	1
B 49549	1	20	2	72	.2	45	40	788	6.75	2	5	ND	1	21	2	2	2	17	4.60	.077	10	12	2.34	114	.01	2	2.70	.01	.15	1	1
B 49550	1	6	3	46	.2	35	27	682	5.62	2	5	ND	2	17	1	2	11	16	4.20	.065	11	13	1.74	92	.01	2	1.95	.01	.19	1	1
B 49551	1	2	2	10	.2	6	4	966	1.93	2	5	ND	7	20	1	2	2	6	4.05	.045	30	6	1.27	119	.01	10	.66	.01	.22	1	1
B 49552	1	4	2	25	.1	9	7	788	2.98	4	5	ND	4	10	1	2	2	11	2.88	.032	16	11	1.06	130	.02	5	.95	.01	.16	1	1
B 49553	1	3	2	11	.1	7	4	1105	2.01	3	5	ND	6	20	1	2	5	6	4.47	.033	22	8	1.56	119	.01	7	.66	.01	.20	1	2
B 49554	1	2	6	17	.2	9	6	938	1.94	2	5	ND	7	20	1	2	2	7	3.42	.046	23	10	1.62	68	.01	11	.71	.01	.20	1	1
B 49555	1	90	6	7	.2	6	5	1380	1.37	3	5	ND	8	43	1	2	3	5	5.28	.043	28	4	1.89	98	.01	7	.45	.01	.22	1	1
B 49556	1	3	2	8	.1	8	7	1508	1.35	2	5	ND	3	61	1	2	2	4	5.20	.028	12	4	2.41	39	.01	3	.40	.01	.22	1	1
B 49557	1	54	4	4	.1	3	9	1644	1.62	4	5	ND	5	53	1	2	2	6	6.15	.039	18	5	2.36	59	.01	4	.29	.01	.19	1	3
B 49558	1	27	2	13	.1	8	4	395	2.46	4	5	ND	9	8	1	2	2	11	.92	.052	33	11	.80	72	.03	3	.77	.01	.26	1	1
STD C/AU-R	17	58	36	132	6.7	67	31	947	3.92	44	22	7	38	48	19	16	23	58	.44	.094	39	56	.90	175	.07	39	1.88	.06	.13	11	470

G90-11

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49559	1	9	5	5	.1	3	5	964	2.17	4	5	ND	4	18	1	2	2	6	2.14	.030	14	5	.69	280	.01	12	.42	.01	.11	1	4
B 49560	1	7	8	4	.1	6	4	416	1.83	4	5	ND	6	12	1	2	2	7	1.02	.038	23	7	.51	82	.02	7	.42	.01	.22	1	2
B 49561	1	5	5	2	.1	3	4	402	1.37	2	5	ND	5	11	1	2	2	6	.93	.052	25	6	.36	76	.01	11	.35	.01	.22	1	3
B 49562	1	1	10	1	.1	1	2	67	1.33	2	5	ND	17	6	1	2	5	6	.24	.047	57	6	.06	32	.02	3	.31	.01	.24	1	2

G90-11

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 12 1990 DATE REPORT MAILED: Feb 13/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited File # 90-0355

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49563	1	1	5	2	.1	5	4	817	2.24	4	5	ND	6	21	1	2	2	10	2.92	.059	30	5	.87	114	.03	19	.39	.01	.27	1	5
B 49564	1	3	6	3	.1	5	5	616	4.23	6	5	ND	4	25	1	2	2	29	2.41	.112	21	8	.64	84	.08	21	.55	.01	.41	1	6
B 49565	1	1	3	4	.1	8	6	598	4.54	3	5	ND	4	20	1	2	2	32	1.64	.094	21	8	.63	86	.08	15	.53	.01	.34	1	8
B 49566	1	3	2	3	.2	7	5	666	4.12	4	5	ND	4	20	1	2	2	38	1.60	.086	24	11	.58	95	.08	29	.58	.01	.44	1	7
B 49567	1	1	6	4	.1	7	7	510	5.94	6	5	ND	3	18	1	2	2	59	1.04	.078	18	19	.63	50	.10	6	.45	.01	.28	1	4
B 49568	1	1	7	4	.1	9	9	825	6.30	7	5	ND	2	29	1	2	2	62	1.96	.110	18	14	.79	111	.11	18	.54	.01	.40	1	2
B 49569	1	4	6	6	.1	11	11	714	7.31	8	5	ND	2	16	1	2	2	87	1.63	.126	13	26	.63	138	.16	17	.62	.01	.37	1	5
B 49570	1	1	5	4	.1	6	7	247	5.54	6	5	ND	2	16	1	2	2	61	.67	.125	15	14	.20	501	.11	22	.53	.01	.36	1	2
B 49571	2	49	2	4	.1	6	9	1172	4.62	6	5	ND	2	44	1	2	2	40	3.43	.092	11	10	.56	2016	.08	16	.48	.01	.35	1	2
B 49572	4	96	8	5	.1	8	9	295	9.03	8	5	ND	2	10	1	2	2	120	1.14	.072	25	45	.15	85	.22	6	.56	.01	.42	1	9
B 49573	1	4	5	2	.1	2	5	456	5.39	4	5	ND	5	13	1	2	3	12	2.07	.073	74	1	.13	111	.09	5	.53	.01	.40	1	7
B 49574	1	2	5	2	.2	2	3	606	4.09	3	5	ND	6	19	1	2	4	3	1.97	.067	137	1	.21	113	.07	2	.48	.01	.42	1	1
B 49575	2	2	5	2	.1	1	4	590	4.89	4	5	ND	3	17	1	2	2	2	1.13	.060	48	1	.26	112	.08	2	.47	.01	.41	1	6
B 49576	1	4	3	1	.1	1	3	276	4.12	3	5	ND	4	15	1	2	2	1	1.03	.068	90	1	.20	60	.07	2	.48	.01	.41	1	5
B 49577	1	3	4	1	.1	1	2	375	3.14	2	5	ND	4	19	1	2	2	1	1.55	.075	68	1	.25	63	.05	2	.42	.01	.36	1	1
B 49578	1	1	3	2	.2	3	3	316	3.44	2	5	ND	4	15	1	2	2	1	1.13	.067	63	1	.16	60	.05	7	.35	.01	.27	1	1
B 49579	1	2	6	1	.1	2	3	288	4.04	2	5	ND	4	18	1	2	2	1	.90	.061	69	1	.22	55	.06	3	.35	.01	.31	1	3
B 49580	1	3	7	1	.2	1	3	255	4.45	7	5	ND	5	17	1	3	2	1	.75	.074	65	1	.18	50	.07	2	.33	.01	.29	1	3
B 49581	1	1	3	1	.1	1	3	367	5.60	5	5	ND	5	26	1	2	2	1	1.01	.065	60	1	.32	51	.09	4	.40	.01	.35	1	5
B 49582	2	3	3	3	.1	2	5	880	4.84	4	5	ND	5	36	1	2	2	2	2.96	.072	29	1	.31	161	.07	2	.41	.01	.36	1	7
B 49583	1	2	3	2	.1	1	4	313	5.28	2	5	ND	3	7	1	2	2	5	.59	.041	40	2	.12	81	.09	7	.44	.01	.36	1	5
B 49584	3	3	5	3	.1	5	7	625	5.10	4	5	ND	4	10	1	2	2	7	1.05	.043	37	3	.16	156	.09	4	.66	.01	.55	1	5
B 49585	1	1	5	1	.1	1	4	148	2.85	2	5	ND	3	5	1	2	2	3	.40	.041	37	2	.12	44	.05	5	.45	.01	.38	1	4
B 49586	1	2	5	4	.1	2	7	294	6.22	4	5	ND	3	9	1	2	3	3	.48	.056	34	1	.29	63	.09	5	.55	.01	.35	1	6
B 49587	1	3	7	9	.1	5	10	152	7.39	8	5	ND	3	8	1	2	4	5	.37	.061	25	1	.61	43	.10	2	.78	.01	.30	2	2
B 49588	1	1	3	6	.1	2	8	332	5.68	5	5	ND	4	9	1	2	2	3	.22	.065	29	1	.49	84	.07	2	.70	.01	.32	1	3
B 49589	1	2	2	12	.1	7	12	509	6.91	6	5	ND	3	15	1	2	2	3	.56	.088	27	1	.86	108	.08	5	1.06	.01	.42	1	1
B 49590	1	1	6	7	.1	5	9	872	4.40	4	5	ND	3	14	1	2	2	3	.55	.073	44	2	.57	191	.06	2	.70	.01	.35	1	2
B 49591	1	1	3	6	.1	3	7	443	4.22	2	5	ND	3	16	1	2	2	3	.62	.061	36	1	.98	20	.05	2	.61	.01	.32	1	4
B 49592	1	2	5	3	.1	3	6	600	4.27	3	5	ND	3	21	1	2	2	3	.99	.061	43	2	.60	106	.06	3	.46	.01	.32	1	4
B 49593	2	2	5	5	.1	4	7	798	4.77	3	5	ND	5	22	1	2	2	5	1.90	.072	55	1	.54	157	.08	7	.76	.01	.53	1	2
B 49594	2	1	2	3	.1	3	5	1012	3.91	3	5	ND	5	43	1	2	2	1	1.92	.067	74	1	.89	100	.05	2	.48	.01	.35	1	3
B 49595	1	2	4	2	.1	1	4	637	3.51	2	5	ND	4	35	1	2	2	1	1.56	.062	82	1	.70	58	.05	3	.45	.01	.34	1	2
B 49596	1	3	4	2	.1	2	4	388	4.10	5	5	ND	5	15	1	2	2	2	1.81	.068	93	1	.28	82	.06	3	.53	.01	.38	1	4
STD C/AU-R	18	57	41	132	6.8	68	31	955	3.94	44	17	7	37	49	19	16	22	59	.44	.099	38	56	.88	173	.07	40	1.83	.06	.13	13	520

G90-11

[redacted] ACME ANALYTICAL LABORATORIES LTD. [redacted] 852 E. HASTINGS ST. VANCOUVER B.C. [redacted] PHONE(6[redacted])253-[redacted] [redacted]-17[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 16 1990 DATE REPORT MAILED: Feb 20, 1990 SIGNED BY. D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Bapty Research Limited PROJECT GOLD CREEK File # 90-0400 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49597	3	1	8	1	.1	1	4	484	4.41	2	5	ND	4	33	1	2	2	1	1.28	.062	85	1	.53	59	.07	4	.43	.01	.31	1	1
B 49598	1	1	3	2	.1	3	3	617	4.41	4	5	ND	4	30	1	2	2	1	1.85	.061	61	1	.52	112	.07	12	.49	.01	.38	1	1
B 49599	2	1	4	1	.2	1	3	306	4.07	3	5	ND	6	24	1	2	2	1	.78	.066	81	1	.48	27	.06	12	.49	.01	.37	1	2
B 49600	1	1	7	1	.1	1	2	283	4.30	3	5	ND	6	23	1	2	2	1	.77	.062	81	1	.41	23	.06	7	.44	.01	.36	1	2
B 49601	2	1	5	1	.1	4	3	293	4.03	2	5	ND	5	36	1	2	2	1	.78	.052	92	3	.43	42	.06	5	.42	.01	.35	1	1
B 49602	1	1	3	1	.1	1	3	518	4.52	2	5	ND	5	32	1	2	2	1	1.34	.061	71	1	.54	65	.06	8	.45	.01	.35	1	1
B 49603	2	1	5	3	.1	1	5	774	4.06	3	5	ND	5	45	1	2	2	1	1.68	.070	67	1	1.05	29	.05	12	.54	.01	.36	1	1
B 49604	3	2	3	2	.1	8	2	704	1.60	5	5	ND	1	127	1	2	2	1	2.11	.091	12	6	.91	10	.01	14	.21	.01	.15	1	2
B 49605	9	1	6	4	.1	4	5	463	4.45	2	5	ND	6	27	1	2	4	1	.92	.062	76	1	.65	44	.06	7	.54	.01	.33	1	2
B 49606	1	1	5	6	.1	2	6	558	4.63	3	5	ND	4	23	1	2	2	1	1.33	.062	69	1	.77	83	.06	6	.69	.01	.34	1	2
B 49607	1	3	3	5	.1	5	6	329	4.19	3	5	ND	4	22	1	2	3	1	.76	.053	60	2	.62	37	.06	2	.59	.01	.29	1	3
B 49608	1	3	3	6	.1	4	7	478	5.19	2	5	ND	5	42	1	2	2	1	.92	.059	53	1	.92	28	.07	2	.68	.01	.30	1	1
B 49609	2	1	3	13	.1	4	11	387	6.45	2	5	ND	4	18	1	2	2	1	.51	.058	49	2	1.28	25	.08	2	1.08	.01	.31	1	1
B 49610	3	1	4	6	.1	3	7	493	4.81	4	5	ND	5	24	1	2	2	1	.94	.060	65	1	.98	29	.06	7	.74	.01	.34	1	1
B 49611	1	1	4	4	.1	3	5	514	4.56	2	5	ND	4	32	1	2	3	1	1.08	.065	54	1	.75	42	.06	10	.60	.01	.37	1	1
B 49612	2	1	4	8	.1	4	8	548	5.39	2	5	ND	5	27	1	2	2	1	.95	.068	43	1	1.16	23	.07	12	.84	.01	.36	1	2
B 49613	1	1	4	4	.1	3	6	305	4.86	3	5	ND	5	18	1	2	2	2	.60	.053	53	1	.65	29	.07	11	.64	.01	.36	1	2
B 49614	3	1	3	2	.1	6	3	690	1.63	2	5	ND	1	16	1	2	2	1	1.40	.029	7	5	.15	122	.01	5	.20	.01	.15	1	1
B 49615	1	1	3	4	.1	5	6	161	5.35	3	5	ND	4	11	1	2	3	2	1.40	.057	38	1	.42	47	.08	5	.63	.01	.32	1	1
B 49616	1	1	2	8	.1	6	8	332	4.86	2	5	ND	4	16	1	2	2	2	.97	.072	27	1	.81	57	.07	14	.85	.01	.36	1	2
B 49617	1	1	3	3	.1	3	7	308	5.03	2	5	ND	4	16	1	2	2	2	.59	.053	53	1	.56	47	.07	2	.57	.01	.31	1	2
B 49618	2	4	2	6	.1	10	7	854	3.92	2	5	ND	1	124	1	2	2	2	2.43	.065	20	5	1.46	24	.05	2	.72	.01	.38	1	1
B 49619	1	1	3	7	.1	5	8	311	5.83	2	5	ND	4	14	1	2	2	2	.57	.050	45	1	.87	25	.08	2	.82	.01	.35	1	3
B 49620	1	1	3	14	.1	8	14	532	6.95	2	5	ND	3	19	1	2	2	3	.93	.056	27	1	1.49	117	.08	2	1.26	.01	.33	1	1
B 49621	1	1	4	10	.1	7	10	517	5.34	2	5	ND	2	15	1	2	2	3	1.12	.052	35	1	1.20	55	.07	8	1.07	.01	.35	1	2
B 49622	1	1	2	15	.1	8	14	764	6.22	2	5	ND	4	21	1	2	2	3	1.68	.054	28	1	1.65	89	.07	8	1.43	.01	.35	1	1
B 49623	1	1	4	2	.1	3	3	324	2.89	2	5	ND	2	32	1	2	2	2	1.29	.048	42	1	.54	45	.04	5	.54	.01	.32	1	2
B 49624	1	1	6	6	.1	7	8	163	7.62	4	5	ND	4	8	1	2	2	3	.40	.044	38	2	.58	36	.11	2	.73	.01	.31	1	2
B 49625	1	1	5	6	.1	7	7	318	4.17	2	5	ND	3	13	1	2	2	2	.80	.050	40	2	.80	36	.05	2	.75	.01	.28	1	1
B 49626	1	1	2	4	.1	5	6	984	4.37	3	5	ND	5	44	1	2	2	1	2.57	.063	40	1	1.30	40	.06	2	.59	.01	.34	1	3
B 49627	1	1	2	1	.1	1	3	569	4.61	3	5	ND	5	28	1	2	2	1	1.80	.062	78	1	.58	56	.06	2	.37	.01	.31	1	3
B 49628	1	4	4	3	.2	1	6	329	4.40	2	5	ND	5	23	1	2	2	1	1.01	.061	79	1	.59	42	.06	8	.55	.01	.34	1	1
B 49629	1	3	2	5	.1	1	6	215	5.16	2	5	ND	6	13	1	2	2	1	.76	.062	82	1	.59	47	.07	6	.67	.01	.32	1	3
B 49630	1	3	4	5	.1	1	7	239	5.23	2	5	ND	5	20	1	2	2	1	.70	.060	76	1	.70	46	.08	9	.69	.01	.33	1	2
B 49631	1	2	4	4	.1	2	6	200	5.16	2	5	ND	5	19	1	2	2	1	.59	.062	73	1	.65	46	.08	13	.70	.01	.37	1	3
B 49632	2	2	2	2	.1	6	3	597	3.64	2	5	ND	3	96	1	2	2	1	2.13	.049	56	7	.88	62	.05	2	.42	.01	.32	1	3
STD C/AU-R	18	58	36	132	7.2	67	31	931	3.94	38	16	7	37	48	18	15	18	56	.45	.096	37	55	.89	174	.06	33	1.91	.06	.13	11	490

G90-111

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49633	1	1	2	1	.1	1	5	156	4.93	2	5	ND	5	19	1	2	3	1	.48	.064	71	1	.44	39	.08	5	.60	.01	.41	1	1
B 49634	1	3	2	5	.1	2	7	289	4.37	2	5	ND	5	22	1	2	3	1	.80	.064	72	1	.87	52	.06	2	.84	.01	.39	1	3
B 49635	1	1	3	2	.1	2	4	178	3.90	2	5	ND	6	17	1	2	2	1	.60	.072	88	1	.47	33	.06	2	.65	.01	.42	1	1
B 49636	1	1	3	6	.1	4	9	635	4.79	3	5	ND	5	50	1	2	2	1	1.37	.061	74	1	1.17	62	.06	2	.91	.01	.37	1	4
B 49637	1	1	2	7	.1	1	11	104	5.13	2	5	ND	6	10	1	2	2	1	.32	.065	70	1	.86	51	.07	6	1.03	.01	.38	1	1
B 49638	1	5	2	5	.2	3	7	454	4.26	2	5	ND	5	33	1	2	2	1	1.19	.062	71	1	1.03	50	.06	2	.86	.01	.42	1	2
B 49639	1	3	2	10	.2	2	13	494	4.12	3	5	ND	4	62	1	2	2	2	1.24	.061	61	1	1.41	1914	.04	2	1.30	.01	.44	1	1
B 49640	2	4	4	9	.2	2	10	462	4.32	3	5	ND	6	32	1	2	3	1	.91	.065	76	1	1.30	53	.06	8	1.15	.01	.49	1	1
B 49641	2	3	9	11	.1	5	10	971	4.11	2	5	ND	5	85	1	2	2	1	2.26	.058	73	1	1.59	114	.05	2	1.14	.01	.49	1	1
B 49642	1	6	2	6	.4	2	7	893	3.04	4	5	ND	8	52	1	2	2	2	2.64	.062	100	1	1.29	129	.03	9	.95	.01	.48	1	3
B 49643	1	1	5	9	.2	7	11	966	2.62	2	5	ND	6	53	1	2	4	1	2.68	.064	73	1	1.79	72	.03	8	1.12	.01	.46	1	3
B 49644	2	6	2	11	.1	10	12	1029	3.89	2	5	ND	4	43	1	2	2	5	2.33	.081	45	4	1.69	117	.04	3	1.14	.01	.34	1	3
B 49645	1	2	2	9	.1	13	12	87	4.79	4	5	ND	3	8	1	3	3	16	.15	.054	20	12	1.05	21	.07	7	1.02	.01	.21	1	1
B 49646	1	3	2	8	.1	14	10	83	4.63	2	5	ND	3	9	1	2	2	15	.21	.070	23	12	.97	30	.07	4	1.08	.01	.30	1	5
B 49647	1	3	2	1	.1	13	24	371	1.42	5	5	ND	7	28	1	2	2	4	7.04	.044	14	4	3.23	307	.01	22	.26	.01	.17	1	2
B 49648	1	4	2	1	.1	9	13	364	1.29	4	5	ND	6	27	1	2	2	4	6.20	.044	14	3	3.00	419	.01	4	.29	.01	.18	1	2
B 49649	1	1	2	1	.1	12	13	283	1.07	3	5	ND	6	23	1	2	2	4	4.77	.039	13	3	2.54	126	.01	3	.35	.01	.16	1	1
B 49650	1	7	3	1	.2	12	31	627	1.57	7	5	ND	4	43	1	2	6	3	10.47	.028	7	2	5.05	191	.01	10	.20	.01	.12	1	7
B 49651	1	1	2	1	.1	8	4	220	1.15	3	5	ND	11	15	1	2	2	4	2.58	.060	21	4	1.49	279	.01	2	.72	.01	.17	1	1
B 49652	1	1	2	1	.1	8	1	176	1.30	2	5	ND	11	15	1	2	2	4	2.35	.064	31	4	1.66	156	.01	5	.80	.01	.17	1	1
B 49653	1	1	2	1	.1	11	2	278	1.65	2	5	ND	8	20	1	2	2	4	3.74	.052	22	4	2.31	130	.01	7	.72	.01	.15	1	1
B 49654	1	1	2	1	.1	8	2	175	1.12	2	5	ND	7	16	1	2	2	3	2.42	.055	20	3	1.53	202	.01	2	.69	.01	.16	1	1
B 49655	1	1	2	1	.1	9	2	243	1.34	3	5	ND	7	19	1	2	2	4	2.96	.054	20	3	1.86	273	.01	10	.65	.01	.16	1	2
B 49656	1	1	2	1	.1	8	3	231	1.16	3	5	ND	7	18	1	2	2	4	2.95	.046	17	3	1.89	210	.01	2	.65	.01	.18	1	3
B 49657	1	1	2	1	.1	10	3	329	1.45	3	5	ND	7	27	1	2	2	4	4.05	.044	14	4	2.57	468	.01	2	.66	.01	.15	1	1
B 49658	1	1	4	1	.1	6	2	280	1.01	3	5	ND	8	24	1	2	2	4	3.56	.054	17	3	2.13	565	.01	2	.62	.01	.16	1	3
B 49659	1	1	2	1	.1	6	1	310	.86	2	5	ND	6	19	1	2	2	5	3.08	.044	15	3	1.69	290	.01	6	.51	.01	.18	1	5
B 49660	2	7	2	3	.1	10	47	730	2.07	9	5	ND	3	42	1	2	3	4	10.04	.021	7	3	4.93	269	.01	4	.24	.01	.12	1	13
B 49661	1	3	2	1	.1	8	27	451	1.13	4	5	ND	5	45	1	2	5	4	6.45	.039	10	3	3.41	934	.01	14	.38	.01	.15	1	7
B 49662	1	1	2	1	.1	5	3	229	.88	4	5	ND	8	37	1	2	4	4	2.92	.054	17	4	1.75	999	.01	7	.55	.01	.17	1	1
B 49663	1	3	4	1	.1	8	4	207	1.08	3	5	ND	7	40	1	2	2	4	2.40	.051	15	3	1.45	1125	.01	7	.60	.01	.16	1	3
B 49664	1	57	6	1	.1	9	4	285	1.42	5	5	ND	8	32	1	2	2	4	2.93	.054	18	3	1.83	1068	.01	5	.61	.01	.17	1	1
B 49665	1	6	3	1	.1	7	5	229	1.23	3	5	ND	8	24	1	2	2	4	2.37	.055	18	5	1.53	778	.01	2	.68	.01	.17	1	4
B 49666	1	2	2	1	.2	8	4	320	1.43	2	5	ND	9	29	1	2	2	4	2.57	.055	16	4	1.89	531	.01	6	.45	.01	.17	1	1
B 49667	1	4	3	1	.1	9	3	325	1.11	4	5	ND	9	20	1	2	2	4	3.08	.049	19	6	2.23	252	.01	2	.43	.01	.17	1	6
B 49668	1	1	4	1	.2	10	5	279	1.40	3	5	ND	9	11	1	2	2	4	2.05	.049	20	3	1.61	82	.01	9	.58	.01	.17	1	6
STD C/AU-R	17	59	35	132	6.7	67	31	925	3.90	42	17	7	36	47	17	15	24	56	.45	.096	36	55	.88	175	.06	37	1.90	.06	.14	11	510

90-1163

[redacted]CME[redacted]AL[redacted]L LA[redacted]ATO[redacted] LT[redacted] [redacted] E. [redacted]TIN[redacted]ST. [redacted]U[redacted]B.C[redacted]6A [redacted] [redacted]ONE[redacted])25[redacted]158 [redacted]X(6[redacted]53-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0451

606 Trail St., Kimberley BC V1A 2M2

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49722	1	4	12	14	.2	6	4	263	1.13	3	5	ND	7	17	2	4	6	2	1.01	.048	19	14	1.71	475	.01	2	.33	.01	.14	1	1	130
B 49723	1	3	2	11	.1	5	4	288	1.11	6	5	ND	6	21	2	5	2	2	1.35	.052	17	13	1.97	560	.01	2	.31	.01	.15	1	2	110
B 49724	1	2	11	10	.1	6	3	251	.85	5	5	ND	6	13	1	2	2	2	1.55	.048	19	12	1.68	189	.01	2	.33	.01	.14	1	4	60
B 49725	1	3	7	7	.2	5	3	250	.93	7	5	ND	7	12	1	4	2	2	2.21	.054	25	12	1.77	46	.01	2	.61	.01	.13	1	3	80
B 49726	1	1	3	6	.2	8	4	260	1.03	5	5	ND	7	9	1	2	2	2	1.17	.045	25	13	1.67	201	.01	4	.43	.01	.17	1	2	50
B 49727	1	3	2	9	.1	6	5	305	1.28	5	5	ND	7	23	1	4	2	3	1.36	.051	19	14	2.02	587	.01	3	.33	.01	.17	1	3	220
B 49728	1	1	9	5	.2	7	5	261	1.41	4	5	ND	7	36	1	2	2	4	.83	.053	18	14	1.75	1360	.01	3	.38	.01	.16	1	4	160
B 49729	1	2	7	11	.2	5	3	255	1.09	3	5	ND	6	23	1	2	2	3	1.21	.045	19	14	1.55	576	.01	2	.33	.01	.16	1	4	60
B 49730	1	1	4	1	.1	3	2	108	.74	4	5	ND	7	6	1	2	2	3	.39	.045	31	10	.61	97	.01	3	.42	.01	.20	1	3	120
B 49731	1	1	2	6	.1	2	1	65	.45	4	5	ND	8	3	1	2	2	2	.30	.038	39	6	.36	42	.01	2	.40	.01	.20	1	3	220
B 49732	1	1	3	5	.2	5	4	257	1.17	5	5	ND	6	15	1	2	2	3	1.19	.049	24	13	1.57	313	.01	2	.35	.01	.16	1	3	130
B 49733	1	2	9	2	.1	6	4	211	1.17	6	5	ND	6	22	1	2	2	3	.42	.047	22	12	1.31	662	.01	3	.36	.01	.16	1	3	60
B 49734	1	1	7	1	.2	5	3	242	1.10	4	5	ND	6	20	1	4	2	3	1.20	.047	21	12	1.59	615	.01	2	.34	.01	.16	1	2	90
B 49735	1	1	10	1	.1	5	2	181	.86	4	5	ND	6	16	1	2	2	2	.71	.040	24	9	1.07	387	.01	3	.35	.01	.16	1	3	100
B 49736	1	1	5	5	.1	4	3	226	.77	4	5	ND	5	16	1	2	2	2	1.54	.038	22	11	1.41	362	.01	2	.33	.01	.16	1	1	140
B 49737	1	1	4	6	.1	5	3	311	.83	5	5	ND	6	16	1	4	2	3	2.47	.044	27	14	2.02	171	.01	2	.33	.01	.17	1	4	220
B 49738	1	1	4	4	.1	3	2	240	.72	4	5	ND	7	17	1	2	2	3	2.23	.047	23	12	1.58	261	.01	2	.40	.01	.16	1	3	180
STD C/AU-R	17	58	38	127	7.3	67	29	986	3.93	44	19	8	35	48	20	16	17	56	.46	.097	36	56	.87	172	.06	38	1.84	.06	.14	13	490	1400

G90-12

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 21 1990 **DATE REPORT MAILED:** Feb 26, 1990 **SIGNED BY** D. Toye. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

[redacted]ACME[redacted]AL[redacted]L L[redacted]ATO[redacted]S LT[redacted] [redacted] E.[redacted]STIN[redacted]ST. [redacted]UVER B.C.[redacted]V6A [redacted] [redacted]PHONE(604)253-3158 [redacted]FAX(60[redacted]253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0474 Page 1

901 Ind. Rd. #2, Cranbrook, BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49711	1	2	28	1	1.8	9	4	260	1.39	7	5	ND	11	12	1	2	2	4	1.37	.059	21	10	1.47	312	.01	2	.52	.01	.15	1	4	150
B 49712	1	1	28	1	3.7	8	4	331	1.40	4	5	ND	10	14	1	2	2	4	1.93	.056	26	10	1.72	193	.01	2	.52	.01	.16	1	6	180
B 49713	1	1	2	1	.1	10	5	333	1.59	2	5	ND	9	30	1	2	2	4	1.48	.050	20	11	2.10	805	.01	2	.30	.01	.15	1	2	170
B 49714	1	1	5	4	.5	8	4	238	1.50	4	5	ND	10	10	1	2	2	5	.89	.048	27	11	1.55	202	.01	2	.34	.01	.18	1	3	140
B 49715	1	1	2	1	.1	7	4	262	1.28	3	5	ND	11	9	1	2	2	5	1.55	.055	28	12	1.44	66	.01	2	.38	.01	.16	1	1	150
B 49716	1	1	5	1	.1	8	4	242	1.31	2	5	ND	12	9	1	2	2	4	1.01	.054	27	13	1.56	148	.01	2	.36	.01	.17	1	5	110
B 49717	1	1	2	1	.1	9	4	227	1.46	2	5	ND	12	7	1	2	2	5	.76	.057	33	12	1.43	113	.01	2	.42	.01	.19	1	1	160
B 49718	1	1	2	6	.1	10	5	258	1.41	2	5	ND	10	20	1	2	2	4	.77	.049	26	11	1.68	566	.01	4	.35	.01	.16	1	1	120
B 49719	1	1	4	1	.1	8	4	281	1.27	2	5	ND	10	13	1	2	2	4	1.54	.050	24	12	1.79	165	.01	3	.37	.01	.15	1	4	100
B 49720	1	1	2	1	.1	9	4	259	1.32	4	5	ND	10	12	1	2	2	4	1.04	.049	25	12	1.55	241	.01	3	.46	.01	.17	1	2	60
B 49721	1	4	4	7	.1	10	5	243	1.41	2	5	ND	12	21	1	2	3	4	.92	.059	26	10	1.49	587	.01	2	.51	.01	.16	1	4	90
B 49739	1	4	3	7	.1	8	3	228	.99	5	5	ND	9	27	1	2	3	3	1.61	.048	23	12	1.37	807	.01	2	.42	.01	.17	1	1	100
B 49740	1	1	2	1	.1	7	3	226	.95	2	5	ND	8	16	1	2	2	3	1.63	.041	27	10	1.32	347	.01	2	.42	.01	.17	1	1	190
B 49741	1	1	2	6	.1	6	2	249	.74	2	5	ND	10	28	1	2	2	3	2.24	.045	29	11	1.46	604	.01	4	.35	.01	.18	1	6	80
B 49742	1	3	2	7	.1	7	2	226	.79	2	5	ND	9	21	1	2	2	3	2.52	.046	25	11	1.48	380	.01	3	.40	.01	.18	1	1	130
B 49743	1	1	3	4	.1	4	2	218	.59	2	5	ND	8	38	1	2	2	3	2.54	.046	21	11	1.41	1008	.01	3	.34	.01	.17	1	3	80
B 49744	1	2	3	2	.1	7	2	169	.79	3	5	ND	8	34	1	2	3	4	1.84	.048	21	14	1.10	1057	.01	2	.42	.01	.17	1	1	110
B 49745	1	1	2	10	.1	5	1	191	.71	3	5	ND	8	19	1	2	2	4	2.19	.044	29	13	1.24	340	.01	3	.39	.01	.18	2	3	160
B 49746	1	1	4	1	.1	3	1	296	.63	3	5	ND	8	20	1	3	2	3	3.39	.044	25	11	1.85	202	.01	4	.32	.01	.16	1	1	140
B 49747	1	1	3	1	.1	5	2	168	.55	2	5	ND	10	28	1	2	2	3	1.86	.050	24	10	1.04	926	.01	4	.36	.01	.17	1	1	120
B 49748	1	1	2	6	.1	3	1	254	.52	2	5	ND	10	18	1	2	2	3	2.91	.049	26	11	1.60	238	.01	3	.37	.01	.17	1	1	100
B 49749	1	1	3	6	.1	4	2	326	.70	2	5	ND	9	30	1	2	2	3	4.25	.053	24	10	2.36	934	.01	3	.37	.01	.17	1	1	180
B 49750	3	5707	10	16	1.7	9	5	530	2.45	2	5	ND	1	86	1	2	6	1	2.82	.003	2	8	1.39	33	.01	2	.02	.01	.01	1	6	90
B 49768	1	6	2	7	.1	13	5	332	1.77	4	5	ND	4	10	1	2	2	6	9.19	.035	2	6	4.89	14	.01	8	.24	.02	.07	1	1	120
B 49769	1	19	2	7	.3	8	5	463	2.40	3	5	ND	1	17	1	2	2	5	14.89	.019	2	3	8.10	26	.01	14	.13	.01	.06	1	1	10
B 49770	1	2	9	9	.2	9	5	386	1.77	4	5	ND	2	17	1	3	2	5	13.46	.027	4	3	7.21	7	.01	43	.25	.01	.09	1	1	30
B 49771	1	6	5	7	.2	10	5	328	1.59	6	5	ND	4	14	1	2	2	8	11.08	.035	5	8	6.02	9	.01	24	.43	.01	.12	1	2	60
B 49772	1	2	2	9	.1	13	7	334	1.88	10	5	ND	4	13	1	2	2	9	9.94	.036	4	6	5.28	6	.01	16	.36	.02	.09	1	1	70
B 49773	1	3	9	8	.1	10	4	337	1.51	5	5	ND	4	13	1	2	2	8	9.77	.035	6	8	5.86	7	.01	21	.68	.01	.09	1	1	60
B 49774	1	1	8	8	.1	10	6	351	1.66	6	5	ND	4	14	1	3	2	7	10.39	.035	5	7	6.06	6	.01	20	.57	.01	.07	1	1	90
B 49775	1	3	7	6	.1	15	9	257	1.83	4	5	ND	5	10	1	4	2	7	6.17	.047	4	11	3.25	7	.01	6	.32	.02	.08	1	2	80
B 49776	1	2	8	6	.1	14	11	183	1.26	4	5	ND	6	7	1	5	2	10	4.15	.052	11	18	3.17	7	.01	12	.86	.02	.10	1	1	100
B 49777	1	4	6	7	.1	17	12	181	1.45	5	5	ND	7	8	1	5	2	11	4.07	.050	11	22	3.30	8	.01	12	1.07	.01	.10	1	2	160
B 49778	1	4	9	8	.1	19	20	236	1.80	8	5	ND	6	10	1	5	3	9	5.39	.054	9	18	3.98	7	.01	13	1.01	.01	.09	1	1	300
B 49779	1	3	2	2	.1	15	9	116	1.17	3	5	ND	7	6	1	4	2	13	2.45	.050	16	26	2.89	8	.01	5	1.25	.02	.09	1	1	70
B 49780	1	3	19	4	.3	24	21	154	1.52	15	5	ND	7	7	1	3	2	13	3.35	.051	11	26	3.22	7	.01	13	1.14	.02	.09	2	2	130
STD C/AU-R	18	58	37	131	7.4	68	31	1016	4.13	44	19	7	37	48	20	16	21	59	.46	.092	38	55	.85	175	.07	38	1.92	.06	.13	12	510	1300

G90-12

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 22 1990 DATE REPORT MAILED: Feb 27/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49633	1	1	2	1	.1	1	5	156	4.93	2	5	ND	5	19	1	2	3	1	.48	.064	71	1	.44	39	.08	5	.60	.01	.41	1	1
B 49634	1	3	2	5	.1	2	7	289	4.37	2	5	ND	5	22	1	2	3	1	.80	.064	72	1	.87	52	.06	2	.84	.01	.39	1	3
B 49635	1	1	3	2	.1	2	4	178	3.90	2	5	ND	6	17	1	2	2	1	.60	.072	88	1	.47	33	.06	2	.65	.01	.42	1	1
B 49636	1	1	3	6	.1	4	9	635	4.79	3	5	ND	5	50	1	2	2	1	1.37	.061	74	1	1.17	62	.06	2	.91	.01	.37	1	4
B 49637	1	1	2	7	.1	1	11	104	5.13	2	5	ND	6	10	1	2	2	1	.32	.065	70	1	.86	51	.07	6	1.03	.01	.38	1	1
B 49638	1	5	2	5	.2	3	7	454	4.26	2	5	ND	5	33	1	2	2	1	1.19	.062	71	1	1.03	50	.06	2	.86	.01	.42	1	2
B 49639	1	3	2	10	.2	2	13	494	4.12	3	5	ND	4	62	1	2	2	2	1.24	.061	61	1	1.41	1914	.04	2	1.30	.01	.44	1	1
B 49640	2	4	4	9	.2	2	10	462	4.32	3	5	ND	6	32	1	2	3	1	.91	.065	76	1	1.30	53	.06	8	1.15	.01	.49	1	1
B 49641	2	3	9	11	.1	5	10	971	4.11	2	5	ND	5	85	1	2	2	1	2.26	.058	73	1	1.59	114	.05	2	1.14	.01	.49	1	1
B 49642	1	6	2	6	.4	2	7	893	3.04	4	5	ND	8	52	1	2	2	2	2.64	.062	100	1	1.29	129	.03	9	.95	.01	.48	1	3
B 49643	1	1	5	9	.2	7	11	966	2.62	2	5	ND	6	53	1	2	4	1	2.68	.064	73	1	1.79	72	.03	8	1.12	.01	.46	1	3
B 49644	2	6	2	11	.1	10	12	1029	3.89	2	5	ND	4	43	1	2	2	5	2.33	.081	45	4	1.69	117	.04	3	1.14	.01	.34	1	3
B 49645	1	2	2	9	.1	13	12	87	4.79	4	5	ND	3	8	1	3	3	16	.15	.054	20	12	1.05	21	.07	7	1.02	.01	.21	1	1
B 49646	1	3	2	8	.1	14	10	83	4.63	2	5	ND	3	9	1	2	2	15	.21	.070	23	12	.97	30	.07	4	1.08	.01	.30	1	5
B 49647	1	3	2	1	.1	13	24	371	1.42	5	5	ND	7	28	1	2	2	4	7.04	.044	14	4	3.23	307	.01	22	.26	.01	.17	1	2
B 49648	1	4	2	1	.1	9	13	364	1.29	4	5	ND	6	27	1	2	2	4	6.20	.044	14	3	3.00	419	.01	4	.29	.01	.18	1	2
B 49649	1	1	2	1	.1	12	13	283	1.07	3	5	ND	6	23	1	2	2	4	4.77	.039	13	3	2.54	126	.01	3	.35	.01	.16	1	1
B 49650	1	7	3	1	.2	12	31	627	1.57	7	5	ND	4	43	1	2	6	3	10.47	.028	7	2	5.05	191	.01	10	.20	.01	.12	1	7
B 49651	1	1	2	1	.1	8	4	220	1.15	3	5	ND	11	15	1	2	2	4	2.58	.060	21	4	1.49	279	.01	2	.72	.01	.17	1	1
B 49652	1	1	2	1	.1	8	1	176	1.30	2	5	ND	11	15	1	2	2	4	2.35	.064	31	4	1.66	156	.01	5	.80	.01	.17	1	1
B 49653	1	1	2	1	.1	11	2	278	1.65	2	5	ND	8	20	1	2	2	4	3.74	.052	22	4	2.31	130	.01	7	.72	.01	.15	1	1
B 49654	1	1	2	1	.1	8	2	175	1.12	2	5	ND	7	16	1	2	2	3	2.42	.055	20	3	1.53	202	.01	2	.69	.01	.16	1	1
B 49655	1	1	2	1	.1	9	2	243	1.34	3	5	ND	7	19	1	2	2	4	2.96	.054	20	3	1.86	273	.01	10	.65	.01	.16	1	2
B 49656	1	1	2	1	.1	8	3	231	1.16	3	5	ND	7	18	1	2	2	4	2.95	.046	17	3	1.89	210	.01	2	.65	.01	.18	1	3
B 49657	1	1	2	1	.1	10	3	329	1.45	3	5	ND	7	27	1	2	2	4	4.05	.044	14	4	2.57	468	.01	2	.66	.01	.15	1	1
B 49658	1	1	4	1	.1	6	2	280	1.01	3	5	ND	8	24	1	2	2	4	3.56	.054	17	3	2.13	565	.01	2	.62	.01	.16	1	3
B 49659	1	1	2	1	.1	6	1	310	.86	2	5	ND	6	19	1	2	2	5	3.08	.044	15	3	1.69	290	.01	6	.51	.01	.18	1	5
B 49660	2	7	2	3	.1	10	47	730	2.07	9	5	ND	3	42	1	2	3	4	10.04	.021	7	3	4.93	269	.01	4	.24	.01	.12	1	13
B 49661	1	3	2	1	.1	8	27	451	1.13	4	5	ND	5	45	1	2	5	4	6.45	.039	10	3	3.41	934	.01	14	.38	.01	.15	1	7
B 49662	1	1	2	1	.1	5	3	229	.88	4	5	ND	8	37	1	2	4	4	2.92	.054	17	4	1.75	999	.01	7	.55	.01	.17	1	1
B 49663	1	3	4	1	.1	8	4	207	1.08	3	5	ND	7	40	1	2	2	4	2.40	.051	15	3	1.45	1125	.01	7	.60	.01	.16	1	3
B 49664	1	57	6	1	.1	9	4	285	1.42	5	5	ND	8	32	1	2	2	4	2.93	.054	18	3	1.83	1068	.01	5	.61	.01	.17	1	1
B 49665	1	6	3	1	.1	7	5	229	1.23	3	5	ND	8	24	1	2	2	4	2.37	.055	18	5	1.53	778	.01	2	.68	.01	.17	1	4
B 49666	1	2	2	1	.2	8	4	320	1.43	2	5	ND	9	29	1	2	2	4	2.57	.055	16	4	1.89	531	.01	6	.45	.01	.17	1	1
B 49667	1	4	3	1	.1	9	3	325	1.11	4	5	ND	9	20	1	2	2	4	3.08	.049	19	6	2.23	252	.01	2	.43	.01	.17	1	6
B 49668	1	1	4	1	.2	10	5	279	1.40	3	5	ND	9	11	1	2	2	4	2.05	.049	20	3	1.61	82	.01	9	.58	.01	.17	1	6
STD C/AU-R	17	59	35	132	6.7	67	31	925	3.90	42	17	7	36	47	17	15	24	56	.45	.096	36	55	.88	175	.06	37	1.90	.06	.14	11	510

G90-12

[redacted]ACME[redacted]AJ [redacted]L L[redacted]RATO[redacted]S L[redacted] [redacted] E.[redacted]STI[redacted]ST.[redacted] [redacted]OU[redacted] B.C.[redacted]V6A[redacted] [redacted]ONE[redacted])25[redacted]158[redacted]X(6[redacted]253-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0422 Page 1

606 Trail St., Kimberley BC

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49669	1	5	4	2	.1	8	2	209	1.25	3	5	ND	11	12	1	2	2	3	1.95	.059	27	4	1.46	146	.01	2	.71	.01	.17	1	1
B 49670	1	8	5	3	.1	10	4	271	1.43	2	5	ND	10	16	1	2	2	4	2.15	.051	26	4	1.42	155	.01	2	.60	.01	.21	1	2
B 49671	1	19	3	2	.1	9	4	331	1.38	2	5	ND	10	14	1	2	2	3	2.70	.058	31	4	1.77	75	.01	2	.58	.01	.16	1	1
B 49672	1	7	5	2	.1	7	4	414	1.11	2	5	ND	9	19	1	2	2	4	4.20	.052	21	4	2.26	65	.01	5	.44	.01	.18	1	1
B 49673	1	3	2	2	.1	10	5	413	1.52	4	5	ND	8	18	1	2	2	3	3.72	.049	18	4	2.10	64	.01	2	.47	.01	.14	1	1
B 49674	1	1	5	2	.1	9	4	385	1.29	2	5	ND	7	22	1	2	2	4	3.37	.047	17	3	2.06	338	.01	3	.43	.01	.18	1	2
B 49675	2	4	4	2	.1	7	11	433	1.11	3	5	ND	9	23	1	2	2	4	4.40	.049	17	3	2.47	177	.01	6	.37	.01	.18	1	1
B 49676	1	1	2	2	.1	12	5	346	1.67	2	5	ND	10	19	1	2	2	4	1.27	.060	22	5	2.07	405	.01	2	.49	.01	.21	1	1
B 49677	1	3	3	2	.1	7	5	417	1.14	2	5	ND	8	36	1	2	2	4	3.84	.047	18	3	2.42	640	.01	3	.34	.01	.18	1	3
B 49678	1	3	2	2	.1	8	7	365	1.15	2	5	ND	9	32	1	2	2	4	3.24	.053	18	3	1.86	839	.01	2	.44	.01	.17	1	1
B 49679	1	1	3	2	.1	9	5	319	1.36	2	5	ND	7	16	1	2	2	4	1.94	.054	21	3	1.52	272	.01	2	.44	.01	.16	1	1
B 49680	1	4	3	2	.1	9	5	350	1.28	2	5	ND	10	17	1	2	2	4	2.31	.057	22	4	1.99	235	.01	5	.39	.01	.19	1	1
B 49681	1	9	2	3	.1	10	5	302	1.44	2	5	ND	9	18	1	2	2	4	2.08	.052	23	3	1.49	405	.01	3	.60	.01	.17	1	1
B 49682	1	2	2	2	.1	10	5	379	1.44	2	5	ND	10	20	1	2	2	4	2.68	.055	24	5	1.72	430	.01	2	.61	.01	.18	1	1
B 49683	1	13	2	2	.1	9	6	530	1.48	2	5	ND	9	23	1	2	2	4	4.23	.052	21	4	2.59	264	.01	5	.44	.01	.17	1	1
B 49684	1	27	3	1	.1	6	3	421	.93	2	5	ND	9	24	1	2	2	5	4.45	.048	27	4	2.29	215	.01	4	.44	.01	.19	1	1
B 49685	2	1	2	1	.1	9	4	443	1.22	2	5	ND	9	22	1	2	2	5	3.39	.054	20	8	2.13	369	.01	9	.48	.01	.19	1	3
B 49686	2	1	2	2	.1	11	6	311	1.66	2	5	ND	9	26	1	2	2	5	.94	.054	22	4	1.59	938	.01	2	.52	.01	.20	1	1
B 49687	2	1	3	2	.1	9	5	289	1.56	2	5	ND	10	16	1	2	2	4	1.40	.050	19	4	1.41	537	.01	2	.57	.01	.16	1	1
B 49688	1	1	4	2	.1	10	5	269	1.58	2	5	ND	11	9	1	2	2	4	.68	.055	30	5	1.21	208	.01	3	.56	.01	.21	1	1
B 49689	1	1	3	2	.1	10	5	261	1.65	2	5	ND	12	11	1	2	2	4	.56	.063	27	5	1.32	334	.01	2	.57	.01	.18	1	2
B 49690	1	1	2	2	.1	9	4	298	1.43	2	5	ND	12	11	1	2	2	5	1.79	.060	29	5	1.56	59	.01	2	.61	.01	.21	1	1
B 49691	1	1	2	1	.1	12	4	294	1.56	2	5	ND	12	9	1	2	2	5	1.21	.063	29	7	1.44	65	.01	4	.64	.01	.23	1	1
B 49692	1	1	3	1	.1	9	4	258	1.36	2	5	ND	13	10	1	2	2	5	1.48	.056	31	6	1.38	56	.01	4	.59	.01	.24	1	1
B 49693	1	2	5	2	.1	11	6	341	1.83	2	5	ND	10	10	1	3	2	5	.92	.053	26	5	1.57	197	.01	5	.51	.01	.22	1	1
B 49694	1	2	2	1	.1	9	4	304	1.40	2	5	ND	13	11	1	2	2	5	1.47	.058	27	7	1.36	168	.01	5	.49	.01	.23	1	1
B 49695	1	3	3	1	.1	10	6	322	1.70	2	5	ND	11	24	1	2	2	6	1.08	.058	21	8	1.54	1068	.01	4	.46	.01	.23	1	1
B 49751	1	13	4	7	.1	12	7	413	1.59	3	5	ND	7	46	1	2	2	9	11.69	.039	23	12	.73	47	.01	11	1.02	.01	.13	1	1
B 49752	1	6	3	9	.1	11	5	595	2.12	2	5	ND	6	45	1	2	2	10	10.28	.044	23	15	1.02	98	.01	9	1.21	.01	.12	1	1
B 49753	1	2	2	15	.1	13	4	229	2.73	2	5	ND	8	17	1	2	2	16	3.67	.050	20	26	1.52	39	.01	2	1.84	.01	.10	1	1
B 49754	1	8	3	12	.1	14	4	322	2.44	2	5	ND	8	27	1	2	2	12	5.57	.046	29	18	1.31	58	.01	4	1.67	.01	.17	1	1
B 49755	1	12	7	6	.1	8	5	570	1.60	6	5	ND	5	26	1	2	3	7	12.57	.026	12	6	5.02	36	.01	7	.63	.01	.12	1	1
B 49756	1	14	7	4	.1	9	4	582	1.60	7	5	ND	6	27	1	2	2	7	13.35	.030	11	5	5.50	41	.01	6	.61	.01	.14	1	2
B 49757	1	22	20	9	.1	11	6	694	1.62	6	5	ND	8	31	1	2	2	7	11.26	.034	9	6	4.54	67	.01	5	.90	.01	.12	1	1
B 49758	1	3	2	4	.1	8	3	589	1.71	2	5	ND	3	36	1	2	2	6	14.35	.027	5	7	6.48	12	.01	14	.54	.01	.06	1	2
B 49759	1	2	4	3	.1	6	3	904	1.31	2	5	ND	3	39	1	2	2	3	16.46	.022	7	3	7.20	22	.01	14	.32	.01	.08	1	1
STD C/AU-R	18	60	38	133	6.5	65	30	943	3.94	38	21	7	39	50	18	16	21	61	.47	.094	40	58	.87	182	.07	37	1.83	.06	.14	12	495

G90-12

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 19 1990 DATE REPORT MAILED: Feb 21, 1990 SIGNED BY. D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

[redacted]ACME [redacted]AL [redacted]RAT[redacted]S L[redacted] [redacted]2 E[redacted]STI[redacted]ST.[redacted] [redacted]OU[redacted] B.[redacted]V6A[redacted] [redacted]HON[redacted]4)2[redacted]158[redacted]AX([redacted]253-[redacted]6

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0424

606 Trail St., Kimberley BC

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49696	1	4	2	3	.1	6	4	238	1.22	3	5	ND	10	9	1	2	2	5	1.33	.059	28	6	1.08	80	.01	3	.50	.01	.22	1	1
B 49697	1	1	2	1	.1	7	5	304	1.58	2	5	ND	9	16	1	2	2	5	1.41	.056	24	6	1.32	473	.01	2	.49	.01	.21	1	1
B 49698	1	2	3	2	.1	8	4	270	1.52	3	5	ND	10	17	1	2	2	6	1.09	.051	26	6	1.41	523	.01	6	.49	.01	.24	1	1
B 49699	1	1	3	1	.1	5	3	376	1.20	2	5	ND	10	25	1	2	2	5	3.05	.057	23	5	2.14	398	.01	2	.43	.01	.21	1	1
B 49700	1	1	2	1	.1	10	5	416	1.50	3	5	ND	9	27	1	2	3	6	2.89	.053	24	5	2.48	485	.01	4	.44	.01	.24	1	1
B 49701	1	2	2	1	.1	5	4	405	.96	2	5	ND	11	19	1	2	2	5	3.60	.054	25	4	2.24	124	.01	6	.50	.01	.20	1	1
B 49702	1	1	3	2	.1	12	7	358	1.94	2	5	ND	9	27	1	2	2	5	1.07	.056	21	5	1.98	682	.01	6	.56	.01	.21	1	1
B 49703	1	1	2	1	.1	8	6	305	1.53	2	5	ND	9	49	1	2	2	5	2.13	.056	23	7	1.63	1508	.01	9	.60	.01	.22	1	1
B 49704	1	2	2	2	.1	5	4	351	1.14	4	5	ND	10	32	1	2	2	5	3.22	.056	24	5	1.95	642	.01	4	.49	.01	.22	1	1
B 49705	1	1	4	1	.1	4	3	182	.84	3	5	ND	8	26	1	2	2	4	1.57	.057	23	3	1.08	622	.01	2	.52	.01	.21	1	1
B 49706	1	3	2	1	.1	7	3	324	.84	3	5	ND	8	18	1	2	2	4	3.14	.052	21	8	1.82	146	.01	6	.48	.01	.20	1	1
B 49707	1	1	2	1	.1	7	5	322	1.28	2	5	ND	7	18	1	2	2	3	2.03	.052	22	4	1.59	209	.01	2	.59	.01	.17	1	2
B 49708	1	1	5	1	.1	8	5	244	1.37	2	5	ND	7	30	1	2	3	4	1.15	.051	19	4	1.04	1012	.01	2	.54	.01	.18	1	1
B 49709	1	2	6	3	.1	8	6	289	1.39	4	5	ND	8	44	1	2	2	4	1.80	.056	22	5	1.32	1335	.01	2	.50	.01	.17	1	1
B 49710	1	2	2	2	.1	7	5	280	1.28	2	5	ND	13	13	1	2	2	4	1.91	.064	29	5	1.52	154	.01	3	.56	.01	.19	1	3
B 49862	1	7	5	2	.1	6	5	908	1.84	6	5	ND	4	31	1	2	2	4	16.43	.042	8	4	4.67	397	.01	5	.34	.01	.07	1	1
B 49863	1	10	6	4	.1	10	9	1207	2.08	11	5	ND	7	19	1	2	2	5	16.68	.045	13	5	3.74	146	.01	9	.54	.01	.13	1	1
B 49864	1	5	2	2	.1	8	5	1076	1.72	7	5	ND	4	23	1	2	2	4	17.10	.039	9	6	6.47	82	.01	9	.30	.01	.04	1	1
B 49865	1	4	2	2	.1	8	4	1071	1.62	6	5	ND	3	32	1	2	2	3	16.84	.039	7	2	6.57	68	.01	2	.20	.01	.06	1	2
B 49866	1	3	2	3	.1	4	3	1017	1.32	4	5	ND	3	40	1	2	2	3	17.73	.025	4	3	8.14	40	.01	2	.17	.01	.05	1	1
B 49867	1	11	2	5	.1	10	6	1467	1.96	12	5	ND	6	45	1	2	2	5	23.63	.046	6	4	7.99	92	.01	6	.36	.01	.10	1	1
B 49868	1	2	2	2	.1	5	4	1049	1.59	6	5	ND	3	33	1	2	2	3	17.40	.024	8	4	7.02	40	.01	3	.15	.01	.05	1	1
B 49869	1	24	14	29	.1	16	10	1502	2.33	13	5	ND	9	27	1	2	2	11	15.52	.086	10	12	1.86	320	.01	5	1.70	.01	.16	2	2
B 49870	1	3	2	2	.1	6	3	743	1.05	5	5	ND	6	30	1	2	2	3	15.54	.040	5	4	5.38	47	.01	12	.24	.01	.06	1	1
B 49871	1	5	2	3	.2	5	2	955	1.39	7	5	ND	4	38	1	2	2	5	21.42	.028	4	3	6.66	67	.01	5	.26	.01	.01	1	1
B 49872	1	2	2	2	.3	4	3	753	1.19	6	5	ND	4	44	1	2	2	6	16.76	.021	4	6	7.75	52	.01	6	.22	.01	.01	1	1
B 49873	1	3	3	3	.1	4	3	830	1.34	6	5	ND	4	44	1	2	2	6	17.12	.028	3	5	7.29	52	.01	5	.28	.01	.01	1	3
B 49874	1	3	2	2	.1	7	2	713	1.12	6	5	ND	2	42	1	2	2	4	16.91	.019	6	5	7.59	29	.01	6	.09	.01	.04	1	2
B 49875	1	3	2	2	.1	5	3	768	1.11	9	5	ND	4	24	1	2	2	3	17.47	.023	10	2	6.83	35	.01	11	.10	.01	.05	1	2
B 49876	1	3	2	1	.2	6	5	848	1.37	9	5	ND	6	25	1	2	2	3	18.31	.033	16	3	6.94	34	.01	5	.16	.01	.03	1	2
B 49877	1	1	4	2	.1	4	4	816	1.44	6	5	ND	5	40	1	2	2	5	18.09	.037	5	5	6.97	45	.01	9	.16	.01	.01	1	1
B 49878	1	3	4	2	.1	10	5	885	1.43	7	5	ND	5	34	1	2	2	3	19.50	.034	12	4	5.36	51	.01	7	.22	.01	.02	1	1
B 49879	1	3	2	1	.1	9	5	238	.80	2	5	ND	8	15	1	2	2	5	3.76	.059	12	5	1.78	34	.01	16	.46	.02	.12	1	1
B 49880	1	4	2	2	.1	13	10	1207	1.82	9	5	ND	4	25	1	2	2	4	22.39	.039	16	3	1.98	104	.01	3	.31	.01	.04	2	2
B 49881	1	8	2	3	.2	7	7	1908	2.61	14	10	ND	6	34	1	3	3	8	27.93	.035	4	3	1.18	270	.01	4	.43	.01	.03	1	1
STD C/AU-R	18	58	39	132	6.7	68	30	932	3.97	42	23	7	36	47	18	17	18	57	.46	.095	37	56	.88	174	.06	38	1.91	.06	.13	12	490

G90-12

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 19 1990 DATE REPORT MAILED: Feb 21, 1990 SIGNED BY. D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0422 Page 1

606 Trail St., Kimberley BC

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49669	1	5	4	2	.1	8	2	209	1.25	3	5	ND	11	12	1	2	2	3	1.95	.059	27	4	1.46	146	.01	2	.71	.01	.17	1	1
B 49670	1	8	5	3	.1	10	4	271	1.43	2	5	ND	10	16	1	2	2	4	2.15	.051	26	4	1.42	155	.01	2	.60	.01	.21	1	2
B 49671	1	19	3	2	.1	9	4	331	1.38	2	5	ND	10	14	1	2	2	3	2.70	.058	31	4	1.77	75	.01	2	.58	.01	.16	1	1
B 49672	1	7	5	2	.1	7	4	414	1.11	2	5	ND	9	19	1	2	2	4	4.20	.052	21	4	2.26	65	.01	5	.44	.01	.18	1	1
B 49673	1	3	2	2	.1	10	5	413	1.52	4	5	ND	8	18	1	2	2	3	3.72	.049	18	4	2.10	64	.01	2	.47	.01	.14	1	1
B 49674	1	1	5	2	.1	9	4	385	1.29	2	5	ND	7	22	1	2	2	4	3.37	.047	17	3	2.06	338	.01	3	.43	.01	.18	1	2
B 49675	2	4	4	2	.1	7	11	433	1.11	3	5	ND	9	23	1	2	2	4	4.40	.049	17	3	2.47	177	.01	6	.37	.01	.18	1	1
B 49676	1	1	2	2	.1	12	5	346	1.67	2	5	ND	10	19	1	2	2	4	1.27	.060	22	5	2.07	405	.01	2	.49	.01	.21	1	1
B 49677	1	3	3	2	.1	7	5	417	1.14	2	5	ND	8	36	1	2	2	4	3.84	.047	18	3	2.42	640	.01	3	.34	.01	.18	1	3
B 49678	1	3	2	2	.1	8	7	365	1.15	2	5	ND	9	32	1	2	2	4	3.24	.053	18	3	1.86	839	.01	2	.44	.01	.17	1	1
B 49679	1	1	3	2	.1	9	5	319	1.36	2	5	ND	7	16	1	2	2	4	1.94	.054	21	3	1.52	272	.01	2	.44	.01	.16	1	1
B 49680	1	4	3	2	.1	9	5	350	1.28	2	5	ND	10	17	1	2	2	4	2.31	.057	22	4	1.99	235	.01	5	.39	.01	.19	1	1
B 49681	1	9	2	3	.1	10	5	302	1.44	2	5	ND	9	18	1	2	2	4	2.08	.052	23	3	1.49	405	.01	3	.60	.01	.17	1	1
B 49682	1	2	2	2	.1	10	5	379	1.44	2	5	ND	10	20	1	2	2	4	2.68	.055	24	5	1.72	430	.01	2	.61	.01	.18	1	1
B 49683	1	13	2	2	.1	9	6	530	1.48	2	5	ND	9	23	1	2	2	4	4.23	.052	21	4	2.59	264	.01	5	.44	.01	.17	1	1
B 49684	1	27	3	1	.1	6	3	421	.93	2	5	ND	9	24	1	2	2	5	4.45	.048	27	4	2.29	215	.01	4	.44	.01	.19	1	1
B 49685	2	1	2	1	.1	9	4	443	1.22	2	5	ND	9	22	1	2	2	5	3.39	.054	20	8	2.13	369	.01	9	.48	.01	.19	1	3
B 49686	2	1	2	2	.1	11	6	311	1.66	2	5	ND	9	26	1	2	2	5	.94	.054	22	4	1.59	938	.01	2	.52	.01	.20	1	1
B 49687	2	1	3	2	.1	9	5	289	1.56	2	5	ND	10	16	1	2	2	4	1.40	.050	19	4	1.41	537	.01	2	.57	.01	.16	1	1
B 49688	1	1	4	2	.1	10	5	269	1.58	2	5	ND	11	9	1	2	2	4	.68	.055	30	5	1.21	208	.01	3	.56	.01	.21	1	1
B 49689	1	1	3	2	.1	10	5	261	1.65	2	5	ND	12	11	1	2	2	4	.56	.063	27	5	1.32	334	.01	2	.57	.01	.18	1	2
B 49690	1	1	2	2	.1	9	4	298	1.43	2	5	ND	12	11	1	2	2	5	1.79	.060	29	5	1.56	59	.01	2	.61	.01	.21	1	1
B 49691	1	1	2	1	.1	12	4	294	1.56	2	5	ND	12	9	1	2	2	5	1.21	.063	29	7	1.44	65	.01	4	.64	.01	.23	1	1
B 49692	1	1	3	1	.1	9	4	258	1.36	2	5	ND	13	10	1	2	2	5	1.48	.056	31	6	1.38	56	.01	4	.59	.01	.24	1	1
B 49693	1	2	5	2	.1	11	6	341	1.83	2	5	ND	10	10	1	3	2	5	.92	.053	26	5	1.57	197	.01	5	.51	.01	.22	1	1
B 49694	1	2	2	1	.1	9	4	304	1.40	2	5	ND	13	11	1	2	2	5	1.47	.058	27	7	1.36	168	.01	5	.49	.01	.23	1	1
B 49695	1	3	3	1	.1	10	6	322	1.70	2	5	ND	11	24	1	2	2	6	1.08	.058	21	8	1.54	1068	.01	4	.46	.01	.23	1	1
B 49751	1	13	4	7	.1	12	7	413	1.59	3	5	ND	7	46	1	2	2	9	11.69	.039	23	12	.73	47	.01	11	1.02	.01	.13	1	1
B 49752	1	6	3	9	.1	11	5	595	2.12	2	5	ND	6	45	1	2	2	10	10.28	.044	23	15	1.02	98	.01	9	1.21	.01	.12	1	1
B 49753	1	2	2	15	.1	13	4	229	2.73	2	5	ND	8	17	1	2	2	16	3.67	.050	20	26	1.52	39	.01	2	1.84	.01	.10	1	1
B 49754	1	8	3	12	.1	14	4	322	2.44	2	5	ND	8	27	1	2	2	12	5.57	.046	29	18	1.31	58	.01	4	1.67	.01	.17	1	1
B 49755	1	12	7	6	.1	8	5	570	1.60	6	5	ND	5	26	1	2	3	7	12.57	.026	12	6	5.02	36	.01	7	.63	.01	.12	1	1
B 49756	1	14	7	4	.1	9	4	582	1.60	7	5	ND	6	27	1	2	2	7	13.35	.030	11	5	5.50	41	.01	6	.61	.01	.14	1	2
B 49757	1	22	20	9	.1	11	6	694	1.62	6	5	ND	8	31	1	2	2	7	11.26	.034	9	6	4.54	67	.01	5	.90	.01	.12	1	1
B 49758	1	3	2	4	.1	8	3	589	1.71	2	5	ND	3	36	1	2	2	6	14.35	.027	5	7	6.48	12	.01	14	.54	.01	.06	1	2
B 49759	1	2	4	3	.1	6	3	904	1.31	2	5	ND	3	39	1	2	2	3	16.46	.022	7	3	7.20	22	.01	14	.32	.01	.08	1	1
STD C/AU-R	18	60	38	133	6.5	65	30	943	3.94	38	21	7	39	50	18	16	21	61	.47	.094	40	58	.87	182	.07	37	1.83	.06	.14	12	495

G90-13

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 19 1990 DATE REPORT MAILED: Feb 21/1990 SIGNED BY. D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49760	1	6	3	3	.1	10	3	621	1.48	2	7	ND	3	32	1	2	2	4	12.77	.023	3	6	6.71	8	.01	4	.52	.01	.10	1	1
B 49761	1	3	4	1	.1	6	3	599	1.12	3	5	ND	2	35	1	2	2	4	13.58	.020	4	3	6.55	7	.01	3	.30	.01	.06	1	1
B 49762	1	2	2	1	.1	2	1	563	.87	2	6	ND	1	34	1	2	2	4	15.16	.021	3	2	7.81	4	.01	9	.11	.02	.02	1	2
B 49763	1	7	4	2	.1	9	4	536	1.27	6	5	ND	3	36	1	2	2	5	12.22	.029	5	4	6.37	11	.01	14	.34	.02	.06	1	1
B 49764	1	3	3	2	.1	7	3	665	1.18	2	7	ND	2	43	1	2	2	4	13.91	.023	5	3	7.15	11	.01	3	.32	.02	.05	1	1
B 49765	1	5	2	2	.1	6	3	584	1.26	7	5	ND	2	30	1	2	2	5	13.60	.021	4	3	6.91	8	.01	2	.20	.02	.04	1	1
B 49766	1	6	4	1	.2	6	3	413	1.02	5	12	ND	3	14	1	2	2	7	12.57	.025	4	3	6.22	6	.01	2	.12	.02	.06	1	1
B 49767	1	3	2	1	.1	10	4	326	1.55	2	5	ND	4	12	1	2	2	6	9.88	.030	2	4	4.85	7	.01	2	.18	.02	.07	1	1
STD C/AU-R	18	60	37	132	6.5	67	30	946	3.61	42	22	7	38	50	18	14	22	61	.46	.095	40	56	.86	177	.07	37	1.75	.06	.14	11	500

G90-13

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604) 253-3158 FAX(604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0474 Page 1

901 Ind. Rd. #2, Cranbrook, BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49711	1	2	28	1	1.8	9	4	260	1.39	7	5	ND	11	12	1	2	2	4	1.37	.059	21	10	1.47	312	.01	2	.52	.01	.15	1	4	150
B 49712	1	1	28	1	3.7	8	4	331	1.40	4	5	ND	10	14	1	2	2	4	1.93	.056	26	10	1.72	193	.01	2	.52	.01	.16	1	6	180
B 49713	1	1	2	1	.1	10	5	333	1.59	2	5	ND	9	30	1	2	2	4	1.48	.050	20	11	2.10	805	.01	2	.30	.01	.15	1	2	170
B 49714	1	1	5	4	.5	8	4	238	1.50	4	5	ND	10	10	1	2	2	5	.89	.048	27	11	1.55	202	.01	2	.34	.01	.18	1	3	140
B 49715	1	1	2	1	.1	7	4	262	1.28	3	5	ND	11	9	1	2	2	5	1.55	.055	28	12	1.44	66	.01	2	.38	.01	.16	1	1	150
B 49716	1	1	5	1	.1	8	4	242	1.31	2	5	ND	12	9	1	2	2	4	1.01	.054	27	13	1.56	148	.01	2	.36	.01	.17	1	5	110
B 49717	1	1	2	1	.1	9	4	227	1.46	2	5	ND	12	7	1	2	2	5	.76	.057	33	12	1.43	113	.01	2	.42	.01	.19	1	1	160
B 49718	1	1	2	6	.1	10	5	258	1.41	2	5	ND	10	20	1	2	2	4	.77	.049	26	11	1.68	566	.01	4	.35	.01	.16	1	1	120
B 49719	1	1	4	1	.1	8	4	281	1.27	2	5	ND	10	13	1	2	2	4	1.54	.050	24	12	1.79	165	.01	3	.37	.01	.15	1	4	100
B 49720	1	1	2	1	.1	9	4	259	1.32	4	5	ND	10	12	1	2	2	4	1.04	.049	25	12	1.55	241	.01	3	.46	.01	.17	1	2	60
B 49721	1	4	4	7	.1	10	5	243	1.41	2	5	ND	12	21	1	2	3	4	.92	.059	26	10	1.49	587	.01	2	.51	.01	.16	1	4	90
B 49739	1	4	3	7	.1	8	3	228	.99	5	5	ND	9	27	1	2	3	3	1.61	.048	23	12	1.37	807	.01	2	.42	.01	.17	1	1	100
B 49740	1	1	2	1	.1	7	3	226	.95	2	5	ND	8	16	1	2	2	3	1.63	.041	27	10	1.32	347	.01	2	.42	.01	.17	1	1	190
B 49741	1	1	2	6	.1	6	2	249	.74	2	5	ND	10	28	1	2	2	3	2.24	.045	29	11	1.46	604	.01	4	.35	.01	.18	1	6	80
B 49742	1	3	2	7	.1	7	2	226	.79	2	5	ND	9	21	1	2	2	3	2.52	.046	25	11	1.48	380	.01	3	.40	.01	.18	1	1	130
B 49743	1	1	3	4	.1	4	2	218	.59	2	5	ND	8	38	1	2	2	3	2.54	.046	21	11	1.41	1008	.01	3	.34	.01	.17	1	3	80
B 49744	1	2	3	2	.1	7	2	169	.79	3	5	ND	8	34	1	2	3	4	1.84	.048	21	14	1.10	1057	.01	2	.42	.01	.17	1	1	110
B 49745	1	1	2	10	.1	5	1	191	.71	3	5	ND	8	19	1	2	2	4	2.19	.044	29	13	1.24	340	.01	3	.39	.01	.18	2	3	160
B 49746	1	1	4	1	.1	3	1	296	.63	3	5	ND	8	20	1	3	2	3	3.39	.044	25	11	1.85	202	.01	4	.32	.01	.16	1	1	140
B 49747	1	1	3	1	.1	5	2	168	.55	2	5	ND	10	28	1	2	2	3	1.86	.050	24	10	1.04	926	.01	4	.36	.01	.17	1	1	120
B 49748	1	1	2	6	.1	3	1	254	.52	2	5	ND	10	18	1	2	2	3	2.91	.049	26	11	1.60	238	.01	3	.37	.01	.17	1	1	100
B 49749	1	1	3	6	.1	4	2	326	.70	2	5	ND	9	30	1	2	2	3	4.25	.053	24	10	2.36	934	.01	3	.37	.01	.17	1	1	180
B 49750	3	5707	10	16	1.7	9	5	530	2.45	2	5	ND	1	86	1	2	6	1	2.82	.003	2	8	1.39	33	.01	2	.02	.01	.01	1	6	90
B 49768	1	6	2	7	.1	13	5	332	1.77	4	5	ND	4	10	1	2	2	6	9.19	.035	2	6	4.89	14	.01	8	.24	.02	.07	1	1	120
B 49769	1	19	2	7	.3	8	5	463	2.40	3	5	ND	1	17	1	2	2	5	14.89	.019	2	3	8.10	26	.01	14	.13	.01	.06	1	1	10
B 49770	1	2	9	9	.2	9	5	386	1.77	4	5	ND	2	17	1	3	2	5	13.46	.027	4	3	7.21	7	.01	43	.25	.01	.09	1	1	30
B 49771	1	6	5	7	.2	10	5	328	1.59	6	5	ND	4	14	1	2	2	8	11.08	.035	5	8	6.02	9	.01	24	.43	.01	.12	1	2	60
B 49772	1	2	2	9	.1	13	7	334	1.88	10	5	ND	4	13	1	2	2	9	9.94	.036	4	6	5.28	6	.01	16	.36	.02	.09	1	1	70
B 49773	1	3	9	8	.1	10	4	337	1.51	5	5	ND	4	13	1	2	2	8	9.77	.035	6	8	5.86	7	.01	21	.68	.01	.09	1	1	60
B 49774	1	1	8	8	.1	10	6	351	1.66	6	5	ND	4	14	1	3	2	7	10.39	.035	5	7	6.06	6	.01	20	.57	.01	.07	1	1	90
B 49775	1	3	7	6	.1	15	9	257	1.83	4	5	ND	5	10	1	4	2	7	6.17	.047	4	11	3.25	7	.01	6	.32	.02	.08	1	2	80
B 49776	1	2	8	6	.1	14	11	183	1.26	4	5	ND	6	7	1	5	2	10	4.15	.052	11	18	3.17	7	.01	12	.86	.02	.10	1	1	100
B 49777	1	4	6	7	.1	17	12	181	1.45	5	5	ND	7	8	1	5	2	11	4.07	.050	11	22	3.30	8	.01	12	1.07	.01	.10	1	2	160
B 49778	1	4	9	8	.1	19	20	236	1.80	8	5	ND	6	10	1	5	3	9	5.39	.054	9	18	3.98	7	.01	13	1.01	.01	.09	1	1	300
B 49779	1	3	2	2	.1	15	9	116	1.17	3	5	ND	7	6	1	4	2	13	2.45	.050	16	26	2.89	8	.01	5	1.25	.02	.09	1	1	70
B 49780	1	3	19	4	.3	24	21	154	1.52	15	5	ND	7	7	1	3	2	13	3.35	.051	11	26	3.22	7	.01	13	1.14	.02	.09	2	2	130
STD C/AU-R	18	58	37	131	7.4	68	31	1016	4.13	44	19	7	37	48	20	16	21	59	.46	.092	38	55	.85	175	.07	38	1.92	.06	.13	12	510	1300

G90-13

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 22 1990 DATE REPORT MAILED: Feb 27/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49781	1	3	4	4	.1	15	9	148	1.23	4	5	ND	9	7	1	2	6	11	3.16	.058	15	25	3.01	7	.01	6	1.03	.01	.11	1	5	120
B 49782	2	7	14	7	.1	20	27	282	2.05	16	5	ND	4	11	1	3	2	10	6.44	.044	7	16	4.77	8	.01	17	1.14	.01	.12	1	3	280
B 49783	1	1	5	3	.1	17	17	215	1.31	2	5	ND	5	8	1	3	2	11	4.44	.046	10	19	3.53	6	.01	5	.88	.01	.11	1	6	60
B 49784	1	2	2	1	.1	17	13	162	1.17	3	5	ND	8	6	1	3	3	13	3.14	.058	18	24	3.07	6	.01	6	1.07	.02	.10	1	8	70
B 49785	2	1	8	2	.1	15	1	87	.93	2	5	ND	10	5	1	2	2	13	1.75	.057	26	25	2.33	8	.01	9	1.14	.02	.11	1	6	10
B 49786	1	1	2	1	.1	18	1	81	1.09	2	5	ND	9	4	1	2	2	13	1.48	.058	26	27	2.51	9	.01	19	1.31	.02	.12	1	1	80
B 49787	1	1	2	5	.1	18	1	86	1.14	2	5	ND	13	5	1	3	3	12	1.63	.065	33	31	2.63	7	.01	7	1.34	.01	.11	1	2	50
B 49788	1	1	5	6	.1	20	1	76	1.23	2	5	ND	10	5	1	2	2	12	1.53	.061	29	31	2.74	7	.01	6	1.47	.01	.11	1	2	20
B 49801	1	4	3	90	.1	13	25	509	9.16	2	5	ND	1	13	1	3	2	39	.64	.191	35	31	1.52	103	.01	2	1.93	.01	.17	1	6	30
B 49802	1	20	18	154	.1	10	33	705	8.66	2	5	ND	1	11	1	6	2	34	1.94	.173	36	29	2.38	118	.01	2	2.90	.01	.14	1	5	20
B 49803	1	37	14	62	.1	14	37	1224	7.92	2	5	ND	1	13	1	2	6	22	.45	.190	36	28	.40	153	.01	3	.96	.01	.21	1	4	50
B 49804	1	45	6	102	.1	15	40	1162	8.64	2	5	ND	1	15	1	3	2	27	.38	.164	41	32	1.24	154	.01	2	1.93	.01	.19	1	6	40
B 49805	1	52	15	121	.1	16	56	1155	10.61	2	5	ND	1	15	1	5	2	36	.59	.157	37	35	1.59	138	.01	2	2.30	.01	.16	1	1	20
B 49806	1	49	4	106	.1	11	33	792	8.27	2	5	ND	1	14	1	6	4	40	1.96	.178	35	31	2.41	104	.01	2	2.84	.01	.14	1	6	20
B 49807	1	92	20	40	.5	39	76	339	9.39	7	5	ND	1	16	1	9	2	29	.43	.090	4	33	4.28	46	.01	2	4.23	.01	.10	1	7	100
B 49808	1	6	11	51	.1	42	28	320	8.42	2	5	ND	1	10	1	6	2	37	.53	.111	13	38	4.87	48	.01	2	4.94	.01	.08	1	3	20
B 49809	1	8	10	47	.1	39	24	354	7.84	2	5	ND	1	42	1	8	3	46	1.12	.108	16	35	4.91	817	.01	2	4.70	.01	.08	3	3	10
B 49810	1	2	7	50	.1	41	27	426	7.87	2	5	ND	1	22	1	7	2	48	1.38	.112	23	37	4.67	37	.01	2	4.54	.01	.07	1	1	20
B 49811	1	35	5	39	.1	41	29	777	5.96	2	5	ND	1	22	1	4	2	26	2.76	.102	17	30	2.56	91	.01	7	2.69	.01	.14	1	5	10
B 49812	1	60	6	69	.1	34	25	571	6.11	2	5	ND	1	85	1	4	2	12	3.93	.093	10	20	2.49	33	.01	7	1.66	.01	.21	1	6	30
B 49813	1	32	12	66	.1	38	28	695	6.35	2	5	ND	1	85	1	5	2	10	4.40	.094	8	18	2.41	29	.01	2	1.58	.01	.21	1	1	70
B 49882	1	3	6	8	.1	4	5	1188	1.99	7	5	ND	1	46	1	2	2	5	17.50	.028	2	2	6.20	232	.01	12	.25	.01	.03	1	3	50
B 49883	1	2	2	9	.2	1	2	1796	2.50	6	5	ND	1	41	1	7	7	5	25.69	.032	2	9	2.11	215	.01	3	.34	.01	.02	1	5	30
B 49884	1	6	2	7	.4	8	10	2695	3.05	14	5	ND	2	37	1	7	2	5	26.16	.037	3	11	1.31	270	.01	8	.39	.01	.01	1	1	100
B 49885	1	8	5	7	.4	8	7	2099	2.85	13	5	ND	3	34	1	8	2	5	21.31	.041	3	8	2.91	319	.01	4	.47	.01	.01	1	1	180
B 49886	1	5	2	14	.1	5	4	929	1.69	9	5	ND	1	42	1	2	2	4	17.57	.023	3	2	7.35	58	.01	9	.24	.01	.01	1	4	30
B 49887	1	4	2	6	.3	5	7	1561	2.02	11	5	ND	1	37	1	4	2	5	20.63	.022	3	9	4.11	286	.01	5	.39	.01	.01	1	3	100
B 49888	1	9	2	7	.3	5	6	2527	2.65	2	5	ND	1	20	1	2	2	6	14.16	.016	5	3	7.13	13	.01	2	.38	.01	.02	1	3	120
B 49889	1	12	8	9	.2	8	8	1524	2.65	10	5	ND	3	24	1	3	2	8	12.33	.025	5	3	6.39	13	.01	5	.72	.01	.03	1	2	160
B 49890	1	12	10	8	.4	9	10	1790	2.56	11	5	ND	5	19	1	4	3	9	11.38	.034	7	6	4.49	168	.01	10	.90	.01	.04	1	2	180
B 49891	1	7	4	7	.1	7	11	1544	2.25	22	5	ND	2	53	1	2	3	9	19.38	.031	6	6	4.76	153	.01	5	.31	.01	.01	1	3	160
B 49892	1	5	2	7	.1	5	6	838	2.52	26	5	ND	2	47	1	2	2	8	14.33	.027	8	7	6.54	61	.01	6	.27	.01	.01	1	1	350
B 49893	1	3	3	9	.2	4	4	1195	1.97	27	5	ND	1	53	1	2	2	6	21.30	.026	3	6	6.15	135	.01	5	.22	.01	.01	1	1	240
B 49894	1	4	6	11	.2	4	4	1318	2.11	44	5	ND	1	41	1	2	2	4	20.69	.022	4	4	6.28	58	.01	5	.43	.01	.01	1	3	100
B 49895	1	5	8	7	.3	4	5	2151	2.64	3	5	ND	1	25	1	2	2	6	16.85	.016	5	3	8.77	7	.01	2	.23	.01	.01	1	2	120
B 49896	1	8	8	10	.3	8	6	1662	2.28	16	5	ND	2	26	1	2	2	6	16.75	.028	8	3	5.63	10	.01	5	.43	.01	.03	1	3	220
STD C/AU-R	18	58	40	130	7.1	68	31	1007	4.02	44	23	8	37	48	19	15	22	58	.47	.094	37	56	.86	174	.07	38	1.92	.06	.13	13	490	1300

G90-13

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0496 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49789	1	3	5	1	.1	13	1	153	.99	3	5	ND	13	8	1	2	2	9	3.23	.058	35	22	2.64	5	.01	41	.84	.02	.12	1	1	10
B 49790	1	3	2	1	.1	18	1	54	1.10	8	5	ND	11	4	1	2	2	11	1.04	.054	31	24	2.17	13	.01	45	1.38	.02	.21	1	1	5
B 49791	1	1	2	1	.1	18	1	41	1.08	7	5	ND	13	4	1	3	2	12	.90	.057	33	28	2.04	12	.01	25	1.25	.02	.17	1	2	5
B 49792	1	1	2	1	.1	19	1	66	1.16	3	5	ND	12	4	1	2	2	12	1.26	.060	30	28	2.32	10	.01	55	1.32	.02	.17	1	4	5
B 49793	1	1	2	1	.1	18	1	148	1.36	3	5	ND	14	6	1	2	2	14	2.84	.064	34	40	3.12	10	.01	27	1.31	.03	.12	1	1	5
B 49794	2	1	3	1	.1	24	2	177	1.84	6	5	ND	11	7	1	2	3	17	3.02	.057	26	53	3.81	8	.01	18	1.89	.02	.12	1	3	5
B 49795	1	1	3	1	.1	23	2	54	1.54	3	5	ND	10	4	1	2	2	13	.81	.054	26	26	2.77	8	.01	49	1.85	.02	.15	1	1	5
B 49796	1	1	2	1	.1	18	1	139	1.32	3	5	ND	13	7	1	2	3	12	2.62	.061	37	27	2.85	11	.01	47	1.30	.03	.17	1	3	10
B 49797	1	1	2	1	.1	17	1	101	1.28	2	5	ND	9	6	1	2	2	11	2.14	.054	28	24	2.74	11	.01	20	1.34	.02	.16	1	2	5
B 49798	1	2	3	1	.1	21	2	16	1.44	4	5	ND	8	3	1	2	3	15	.18	.048	25	24	2.36	18	.01	43	1.92	.02	.28	1	1	5
B 49799	1	1	2	1	.1	18	1	54	1.37	7	5	ND	8	4	1	2	2	12	1.08	.053	27	27	2.61	14	.01	36	1.64	.02	.17	1	2	5
B 49800	2	3	3	1	.1	16	1	92	1.38	3	5	ND	14	6	1	3	2	14	1.88	.075	38	30	2.84	12	.01	18	1.55	.02	.15	1	4	10
B 49814	1	52	2	61	.3	42	31	1309	6.09	8	7	ND	2	18	1	2	5	12	2.14	.106	24	12	.82	119	.01	21	1.44	.01	.21	1	5	5
B 49815	1	26	2	75	.4	42	32	734	5.72	5	7	ND	1	62	1	2	2	14	4.41	.093	10	14	1.74	58	.02	28	1.78	.01	.27	1	1	5
B 49816	1	8	51	84	.1	43	30	775	5.89	5	5	ND	1	88	1	3	2	18	3.77	.090	13	18	2.39	41	.02	5	2.07	.03	.23	1	4	5
B 49817	1	12	2	85	.1	40	31	847	6.10	5	5	ND	1	87	1	2	6	18	3.97	.095	11	18	2.51	30	.02	6	2.09	.03	.17	1	1	5
B 49818	1	19	2	87	.2	42	31	735	5.98	5	6	ND	1	83	1	2	2	15	4.01	.086	11	16	2.42	32	.01	23	1.99	.01	.20	1	3	5
B 49819	1	16	2	76	.1	38	28	692	5.62	7	5	ND	1	98	1	2	2	16	4.24	.086	11	17	2.46	35	.02	25	1.90	.03	.24	1	1	20
B 49820	1	9	2	79	.2	40	33	630	5.99	2	5	ND	1	92	1	2	4	17	4.25	.094	12	19	2.49	35	.02	4	2.05	.02	.23	1	1	10
B 49821	1	42	2	54	.2	38	29	853	5.14	8	5	ND	1	74	1	2	2	12	4.22	.094	15	12	2.13	41	.01	2	1.56	.01	.25	1	1	5
B 49822	1	19	2	35	.1	36	22	889	5.11	4	5	ND	2	62	1	2	2	20	3.38	.100	20	19	3.16	50	.01	4	2.67	.02	.28	1	2	5
B 49823	2	5	6	25	.1	23	12	219	3.26	10	5	ND	8	8	1	5	2	14	.25	.057	36	23	2.37	41	.01	15	2.36	.01	.22	1	2	5
B 49824	2	6	7	26	.2	20	11	306	3.52	3	5	ND	7	5	1	4	2	13	.21	.052	25	20	2.63	59	.01	17	2.54	.01	.20	1	1	5
B 49825	1	26	2	25	.1	21	15	338	3.48	2	5	ND	6	16	1	2	5	12	.91	.047	19	20	2.89	24	.01	9	2.48	.01	.19	1	2	20
B 57001	4	2	2	1	.1	14	2	93	1.21	2	5	ND	10	7	1	2	2	9	2.21	.057	23	18	2.63	12	.01	9	1.29	.01	.16	1	4	60
B 57002	3	7	3	1	.1	14	11	126	1.48	3	5	ND	7	7	1	2	2	13	2.85	.057	16	24	3.09	9	.01	18	1.33	.01	.13	1	2	410
B 57003	1	2	4	7	.1	21	18	50	1.51	3	5	ND	6	6	1	2	2	11	1.19	.054	18	27	2.88	10	.01	24	1.80	.01	.09	1	1	10
B 57004	1	4	2	1	.1	18	6	84	1.51	5	5	ND	7	7	1	2	2	12	1.82	.046	18	25	3.15	11	.01	10	1.84	.01	.11	1	2	50
B 57005	3	3	3	1	.1	11	15	429	1.53	7	5	ND	6	16	1	2	4	7	9.13	.031	8	12	5.22	7	.01	49	.65	.01	.09	1	2	200
B 57006	1	4	2	1	.1	20	12	84	1.34	4	5	ND	5	7	1	2	2	10	2.02	.041	14	21	2.67	11	.01	19	1.51	.01	.13	1	2	50
B 57007	1	3	2	1	.1	17	5	104	1.33	2	5	ND	5	7	1	2	2	10	2.34	.049	17	22	2.81	11	.01	22	1.39	.01	.13	1	2	60
B 57008	1	2	2	1	.1	17	4	59	1.18	5	5	ND	6	7	1	2	2	9	1.27	.041	18	21	2.30	11	.01	13	1.51	.01	.12	1	1	20
B 57009	1	4	2	1	.1	13	4	154	1.24	4	5	ND	8	8	1	2	3	10	3.30	.045	22	19	3.02	46	.01	20	1.13	.01	.15	1	2	20
B 57010	2	4	2	1	.1	17	9	113	1.43	4	5	ND	8	7	1	2	2	11	2.26	.045	18	23	2.92	11	.01	17	1.49	.01	.16	1	3	50
B 57011	2	7	5	1	.1	21	21	125	1.69	9	5	ND	8	8	1	2	3	12	2.93	.053	15	24	3.10	11	.01	47	1.42	.02	.17	1	4	320
B 57012	1	5	2	1	.1	16	8	141	1.57	2	5	ND	6	8	1	2	4	11	3.08	.051	15	24	3.31	120	.01	27	1.41	.01	.14	1	2	120
STD C/AU-R	18	57	38	133	6.7	68	31	963	3.94	43	18	7	37	49	19	15	20	59	.44	.096	39	57	.89	177	.07	38	1.88	.06	.13	12	480	1300

G90-13

G90-13

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 28 1990 DATE REPORT MAILED: March 1/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

G90-13

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57013	1	1	2	1	.2	18	4	60	1.36	5	5	ND	7	4	1	2	2	9	1.31	.042	17	23	2.65	12	.01	24	1.49	.01	.17	1	2	5
B 57014	1	1	6	1	.1	16	5	72	1.34	6	5	ND	6	5	1	2	2	10	1.64	.043	17	22	2.70	15	.01	24	1.45	.01	.19	1	3	10
B 57015	4	1	6	1	.1	16	14	191	1.45	6	5	ND	7	10	1	2	2	7	4.22	.047	10	17	3.51	9	.01	12	1.00	.01	.10	1	4	200
B 57016	1	2	3	1	.1	17	10	117	1.46	3	5	ND	8	9	1	2	4	8	3.12	.051	14	23	3.23	10	.01	13	1.31	.01	.10	2	3	120

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604) 253-3158 FAX(604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0541 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49826	1	59	14	12	.1	12	9	501	3.43	2	5	ND	4	14	1	3	2	14	1.33	.044	17	26	2.76	61	.01	3	2.27	.01	.15	1	2	10
B 49827	1	7	11	9	.1	16	12	86	2.86	2	5	ND	5	4	1	2	2	12	.12	.054	25	23	1.99	36	.01	15	2.11	.01	.18	1	2	5
B 49828	1	23	7	14	.1	15	8	96	2.98	2	5	ND	5	4	1	2	2	12	.12	.052	21	25	2.09	38	.01	14	2.20	.01	.19	1	1	5
B 49829	1	10	9	8	.1	17	16	92	3.11	6	5	ND	4	6	1	2	2	12	.17	.074	16	28	2.10	98	.01	7	2.23	.01	.19	1	1	10
B 49830	1	12	6	15	.1	16	9	237	3.40	4	5	ND	5	6	1	2	2	14	.40	.068	22	23	2.33	51	.01	5	2.39	.01	.21	1	2	5
B 49831	1	46	9	19	.1	18	13	183	4.06	8	5	ND	2	10	1	2	2	20	.36	.112	11	31	2.49	297	.01	12	2.65	.01	.19	1	1	5
B 49832	2	75	3	7	.1	18	11	81	2.60	9	5	ND	5	5	1	2	2	12	.13	.061	14	20	1.72	112	.01	14	1.90	.01	.21	1	1	5
B 49833	1	13	16	18	.2	17	17	242	4.17	8	5	ND	2	15	1	2	2	17	.46	.101	8	26	2.35	167	.01	31	2.41	.01	.20	1	2	10
B 49834	1	19	2	17	.1	15	8	438	3.20	5	5	ND	4	17	1	2	2	12	1.33	.068	15	21	2.58	60	.01	11	2.13	.01	.18	1	2	5
B 49835	1	57	2	17	.1	14	14	401	3.46	2	5	ND	5	16	1	2	2	12	1.09	.069	21	21	2.76	17	.01	5	2.35	.01	.20	1	1	5
B 49836	1	5	5	15	.1	18	11	169	2.98	5	5	ND	6	6	1	2	2	10	.22	.061	23	22	2.09	52	.01	22	2.20	.01	.21	1	1	5
B 49837	1	38	8	10	.1	20	11	157	2.93	8	5	ND	8	6	1	2	2	11	.20	.062	18	21	1.92	54	.01	15	2.11	.01	.23	1	2	5
B 49838	1	38	10	14	.1	21	13	306	3.75	5	5	ND	6	9	1	2	2	13	.39	.074	19	24	2.44	74	.01	10	2.45	.01	.22	1	3	5
B 49839	1	49	13	19	.1	22	19	229	3.30	8	5	ND	5	10	1	2	2	13	.37	.071	14	23	2.22	189	.01	6	2.26	.01	.21	1	4	5
B 49840	1	84	11	13	.1	20	13	173	3.89	3	5	ND	4	7	1	2	2	12	.19	.090	26	25	2.04	42	.01	12	2.20	.01	.20	1	2	5
B 49841	1	20	6	12	.1	17	12	236	3.99	9	5	ND	4	7	1	2	2	13	.20	.093	14	24	1.93	58	.01	19	2.15	.01	.20	1	1	10
B 49842	1	205	4	10	.1	22	33	173	4.04	11	5	ND	2	8	1	2	3	16	.21	.102	10	31	1.87	44	.01	10	2.16	.01	.24	1	2	20
B 49843	1	26	5	20	.3	22	18	108	4.70	6	5	ND	3	11	1	2	2	20	.28	.134	11	37	2.01	37	.01	21	2.35	.01	.23	1	1	10
B 49844	1	201	7	18	.2	21	13	67	3.74	2	5	ND	5	10	1	2	2	17	.23	.103	17	27	1.98	273	.01	24	2.34	.01	.24	1	1	10
B 49845	1	40	9	9	.1	23	17	90	3.65	6	5	ND	5	9	1	2	2	11	.18	.085	14	21	1.42	161	.01	20	1.66	.01	.22	1	1	20
B 49846	1	83	13	14	.6	27	39	1154	9.89	2	5	ND	1	38	1	4	5	20	.85	.367	7	20	3.51	63	.01	2	2.30	.01	.28	1	1	70
B 49847	1	9	3	16	.5	22	24	1328	9.05	5	5	ND	1	43	1	6	2	20	1.01	.284	8	22	4.11	127	.02	2	2.49	.01	.24	1	2	60
B 49848	1	33	4	9	.6	23	59	1548	9.71	2	5	ND	1	52	1	6	2	15	1.05	.286	4	20	3.61	38	.01	2	1.89	.01	.23	1	1	170
B 49849	1	24	15	15	.7	22	54	1229	9.94	5	5	ND	1	36	1	5	2	21	.92	.299	9	18	4.26	31	.01	2	2.90	.01	.18	1	1	130
B 49850	1	29	8	14	.5	22	44	1025	9.80	2	5	ND	1	36	1	6	2	21	.76	.267	4	22	3.83	43	.02	2	2.77	.01	.21	1	1	110
B 57017	1	3	2	1	.1	13	11	134	1.50	3	5	ND	6	9	1	2	2	8	3.82	.058	11	19	3.29	11	.01	9	1.14	.01	.11	1	1	180
B 57018	1	1	2	6	.1	16	4	73	1.49	3	5	ND	6	5	1	2	2	10	1.72	.052	14	24	2.76	14	.01	11	1.64	.01	.16	1	1	70
B 57019	1	1	4	5	.1	14	2	108	1.40	2	5	ND	7	7	1	3	2	9	2.80	.057	18	22	2.96	11	.01	8	1.37	.01	.13	1	1	20
B 57020	1	1	5	5	.1	19	5	67	1.59	2	5	ND	7	5	1	2	2	11	1.73	.056	16	25	2.97	11	.01	3	1.71	.01	.14	1	1	50
B 57021	2	5	10	2	.1	14	27	136	1.59	9	5	ND	7	9	1	2	2	9	3.53	.061	13	21	3.06	10	.01	16	1.11	.01	.12	1	2	380
B 57022	1	1	3	4	.1	16	4	100	1.42	2	5	ND	7	8	1	3	2	9	2.72	.055	17	21	3.03	11	.01	9	1.40	.01	.14	1	3	30
B 57023	1	1	5	1	.1	15	3	116	1.42	2	5	ND	6	7	1	2	2	9	2.59	.050	16	21	2.96	26	.01	6	1.38	.01	.14	1	1	20
B 57024	1	8	4	4	.2	4	4	581	1.57	11	5	ND	1	52	1	2	2	5	18.79	.023	4	1	6.75	19	.01	3	.09	.01	.01	1	1	130
B 57025	1	6	2	8	.2	3	3	526	1.55	6	5	ND	2	39	1	2	2	6	16.59	.019	3	1	7.01	18	.01	2	.13	.01	.02	1	1	120
STD C/AU-R	17	57	39	132	6.9	68	31	957	4.06	42	23	8	37	47	19	15	23	58	.46	.094	37	55	.84	175	.07	34	1.92	.06	.14	11	510	1300

G90-13

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 1 1990 DATE REPORT MAILED: March 6/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

[redacted] AC[redacted]NA[redacted]CAL [redacted]ORA[redacted]ES [redacted] [redacted]52 E[redacted]AST[redacted] ST[redacted] C[redacted]R B[redacted] V6[redacted]6 [redacted]PHO[redacted]04)[redacted]315[redacted]FAX([redacted])25[redacted]16

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0424

606 Trail St., Kimberley BC

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
B 49696	1	4	2	3	.1	6	4	238	1.22	3	5	ND	10	9	1	2	2	5	1.33	.059	28	6	1.08	80	.01	3	.50	.01	.22	1	1
B 49697	1	1	2	1	.1	7	5	304	1.58	2	5	ND	9	16	1	2	2	5	1.41	.056	24	6	1.32	473	.01	2	.49	.01	.21	1	1
B 49698	1	2	3	2	.1	8	4	270	1.52	3	5	ND	10	17	1	2	2	6	1.09	.051	26	6	1.41	523	.01	6	.49	.01	.24	1	1
B 49699	1	1	3	1	.1	5	3	376	1.20	2	5	ND	10	25	1	2	2	5	3.05	.057	23	5	2.14	398	.01	2	.43	.01	.21	1	1
B 49700	1	1	2	1	.1	10	5	416	1.50	3	5	ND	9	27	1	2	3	6	2.89	.053	24	5	2.48	485	.01	4	.44	.01	.24	1	1
B 49701	1	2	2	1	.1	5	4	405	.96	2	5	ND	11	19	1	2	2	5	3.60	.054	25	4	2.24	124	.01	6	.50	.01	.20	1	1
B 49702	1	1	3	2	.1	12	7	358	1.94	2	5	ND	9	27	1	2	2	5	1.07	.056	21	5	1.98	682	.01	6	.56	.01	.21	1	1
B 49703	1	1	2	1	.1	8	6	305	1.53	2	5	ND	9	49	1	2	2	5	2.13	.056	23	7	1.63	1508	.01	9	.60	.01	.22	1	1
B 49704	1	2	2	2	.1	5	4	351	1.14	4	5	ND	10	32	1	2	2	5	3.22	.056	24	5	1.95	642	.01	4	.49	.01	.22	1	1
B 49705	1	1	4	1	.1	4	3	182	.84	3	5	ND	8	26	1	2	2	4	1.57	.057	23	3	1.08	622	.01	2	.52	.01	.21	1	1
B 49706	1	3	2	1	.1	7	3	324	.84	3	5	ND	8	18	1	2	2	4	3.14	.052	21	8	1.82	146	.01	6	.48	.01	.20	1	1
B 49707	1	1	2	1	.1	7	5	322	1.28	2	5	ND	7	18	1	2	2	3	2.03	.052	22	4	1.59	209	.01	2	.59	.01	.17	1	2
B 49708	1	1	5	1	.1	8	5	244	1.37	2	5	ND	7	30	1	2	3	4	1.15	.051	19	4	1.04	1012	.01	2	.54	.01	.18	1	1
B 49709	1	2	6	3	.1	8	6	289	1.39	4	5	ND	8	44	1	2	2	4	1.80	.056	22	5	1.32	1335	.01	2	.50	.01	.17	1	1
B 49710	1	2	2	2	.1	7	5	280	1.28	2	5	ND	13	13	1	2	2	4	1.91	.064	29	5	1.52	154	.01	3	.56	.01	.19	1	3
B 49862	1	7	5	2	.1	6	5	908	1.84	6	5	ND	4	31	1	2	2	4	16.43	.042	8	4	4.67	397	.01	5	.34	.01	.07	1	1
B 49863	1	10	6	4	.1	10	9	1207	2.08	11	5	ND	7	19	1	2	2	5	16.68	.045	13	5	3.74	146	.01	9	.54	.01	.13	1	1
B 49864	1	5	2	2	.1	8	5	1076	1.72	7	5	ND	4	23	1	2	2	4	17.10	.039	9	6	6.47	82	.01	9	.30	.01	.04	1	1
B 49865	1	4	2	2	.1	8	4	1071	1.62	6	5	ND	3	32	1	2	2	3	16.84	.039	7	2	6.57	68	.01	2	.20	.01	.06	1	2
B 49866	1	3	2	3	.1	4	3	1017	1.32	4	5	ND	3	40	1	2	2	3	17.73	.025	4	3	8.14	40	.01	2	.17	.01	.05	1	1
B 49867	1	11	2	5	.1	10	6	1467	1.96	12	5	ND	6	45	1	2	2	5	23.63	.046	6	4	7.99	92	.01	6	.36	.01	.10	1	1
B 49868	1	2	2	2	.1	5	4	1049	1.59	6	5	ND	3	33	1	2	2	3	17.40	.024	8	4	7.02	40	.01	3	.15	.01	.05	1	1
B 49869	1	24	14	29	.1	16	10	1502	2.33	13	5	ND	9	27	1	2	2	11	15.52	.086	10	12	1.86	320	.01	5	1.70	.01	.16	2	2
B 49870	1	3	2	2	.1	6	3	743	1.05	5	5	ND	6	30	1	2	2	3	15.54	.040	5	4	5.38	47	.01	12	.24	.01	.06	1	1
B 49871	1	5	2	3	.2	5	2	955	1.39	7	5	ND	4	38	1	2	2	5	21.42	.028	4	3	6.66	67	.01	5	.26	.01	.01	1	1
B 49872	1	2	2	2	.3	4	3	753	1.19	6	5	ND	4	44	1	2	2	6	16.76	.021	4	6	7.75	52	.01	6	.22	.01	.01	1	1
B 49873	1	3	3	3	.1	4	3	830	1.34	6	5	ND	4	44	1	2	2	6	17.12	.028	3	5	7.29	52	.01	5	.28	.01	.01	1	3
B 49874	1	3	2	2	.1	7	2	713	1.12	6	5	ND	2	42	1	2	2	4	16.91	.019	6	5	7.59	29	.01	6	.09	.01	.04	1	2
B 49875	1	3	2	2	.1	5	3	768	1.11	9	5	ND	4	24	1	2	2	3	17.47	.023	10	2	6.83	35	.01	11	.10	.01	.05	1	2
B 49876	1	3	2	1	.2	6	5	848	1.37	9	5	ND	6	25	1	2	2	3	18.31	.033	16	3	6.94	34	.01	5	.16	.01	.03	1	2
B 49877	1	1	4	2	.1	4	4	816	1.44	6	5	ND	5	40	1	2	2	5	18.09	.037	5	5	6.97	45	.01	9	.16	.01	.01	1	1
B 49878	1	3	4	2	.1	10	5	885	1.43	7	5	ND	5	34	1	2	2	3	19.50	.034	12	4	5.36	51	.01	7	.22	.01	.02	1	1
B 49879	1	3	2	1	.1	9	5	238	.80	2	5	ND	8	15	1	2	2	5	3.76	.059	12	5	1.78	34	.01	16	.46	.02	.12	1	1
B 49880	1	4	2	2	.1	13	10	1207	1.82	9	5	ND	4	25	1	2	2	4	22.39	.039	16	3	1.98	104	.01	3	.31	.01	.04	2	2
B 49881	1	8	2	3	.2	7	7	1908	2.61	14	10	ND	6	34	1	3	3	8	27.93	.035	4	3	1.18	270	.01	4	.43	.01	.03	1	1
STD C/AU-R	18	58	39	132	6.7	68	30	932	3.97	42	23	7	36	47	18	17	18	57	.46	.095	37	56	.88	174	.06	38	1.91	.06	.13	12	490

G90-14

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: FEB 19 1990 **DATE REPORT MAILED:** Feb 21, 1990 **SIGNED BY.** D. Toye .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49781	1	3	4	4	.1	15	9	148	1.23	4	5	ND	9	7	1	2	6	11	3.16	.058	15	25	3.01	7	.01	6	1.03	.01	.11	1	5	120
B 49782	2	7	14	7	.1	20	27	282	2.05	16	5	ND	4	11	1	3	2	10	6.44	.044	7	16	4.77	8	.01	17	1.14	.01	.12	1	3	280
B 49783	1	1	5	3	.1	17	17	215	1.31	2	5	ND	5	8	1	3	2	11	4.44	.046	10	19	3.53	6	.01	5	.88	.01	.11	1	6	60
B 49784	1	2	2	1	.1	17	13	162	1.17	3	5	ND	8	6	1	3	3	13	3.14	.058	18	24	3.07	6	.01	6	1.07	.02	.10	1	8	70
B 49785	2	1	8	2	.1	15	1	87	.93	2	5	ND	10	5	1	2	2	13	1.75	.057	26	25	2.33	8	.01	9	1.14	.02	.11	1	6	10
B 49786	1	1	2	1	.1	18	1	81	1.09	2	5	ND	9	4	1	2	2	13	1.48	.058	26	27	2.51	9	.01	19	1.31	.02	.12	1	1	80
B 49787	1	1	2	5	.1	18	1	86	1.14	2	5	ND	13	5	1	3	3	12	1.63	.065	33	31	2.63	7	.01	7	1.34	.01	.11	1	2	50
B 49788	1	1	5	6	.1	20	1	76	1.23	2	5	ND	10	5	1	2	2	12	1.53	.061	29	31	2.74	7	.01	6	1.47	.01	.11	1	2	20
B 49801	1	4	3	90	.1	13	25	509	9.16	2	5	ND	1	13	1	3	2	39	.64	.191	35	31	1.52	103	.01	2	1.93	.01	.17	1	6	30
B 49802	1	20	18	154	.1	10	33	705	8.66	2	5	ND	1	11	1	6	2	34	1.94	.173	36	29	2.38	118	.01	2	2.90	.01	.14	1	5	20
B 49803	1	37	14	62	.1	14	37	1224	7.92	2	5	ND	1	13	1	2	6	22	.45	.190	36	28	.40	153	.01	3	.96	.01	.21	1	4	50
B 49804	1	45	6	102	.1	15	40	1162	8.64	2	5	ND	1	15	1	3	2	27	.38	.164	41	32	1.24	154	.01	2	1.93	.01	.19	1	6	40
B 49805	1	52	15	121	.1	16	56	1155	10.61	2	5	ND	1	15	1	5	2	36	.59	.157	37	35	1.59	138	.01	2	2.30	.01	.16	1	1	20
B 49806	1	49	4	106	.1	11	33	792	8.27	2	5	ND	1	14	1	6	4	40	1.96	.178	35	31	2.41	104	.01	2	2.84	.01	.14	1	6	20
B 49807	1	92	20	40	.5	39	76	339	9.39	7	5	ND	1	16	1	9	2	29	.43	.090	4	33	4.28	46	.01	2	4.23	.01	.10	1	7	100
B 49808	1	6	11	51	.1	42	28	320	8.42	2	5	ND	1	10	1	6	2	37	.53	.111	13	38	4.87	48	.01	2	4.94	.01	.08	1	3	20
B 49809	1	8	10	47	.1	39	24	354	7.84	2	5	ND	1	42	1	8	3	46	1.12	.108	16	35	4.91	817	.01	2	4.70	.01	.08	3	3	10
B 49810	1	2	7	50	.1	41	27	426	7.87	2	5	ND	1	22	1	7	2	48	1.38	.112	23	37	4.67	37	.01	2	4.54	.01	.07	1	1	20
B 49811	1	35	5	39	.1	41	29	777	5.96	2	5	ND	1	22	1	4	2	26	2.76	.102	17	30	2.56	91	.01	7	2.69	.01	.14	1	5	10
B 49812	1	60	6	69	.1	34	25	571	6.11	2	5	ND	1	85	1	4	2	12	3.93	.093	10	20	2.49	33	.01	7	1.66	.01	.21	1	6	30
B 49813	1	32	12	66	.1	38	28	695	6.35	2	5	ND	1	85	1	5	2	10	4.40	.094	8	18	2.41	29	.01	2	1.58	.01	.21	1	1	70
B 49882	1	3	6	8	.1	4	5	1188	1.99	7	5	ND	1	46	1	2	2	5	17.50	.028	2	2	6.20	232	.01	12	.25	.01	.03	1	3	50
B 49883	1	2	2	9	.2	1	2	1796	2.50	6	5	ND	1	41	1	7	7	5	25.69	.032	2	9	2.11	215	.01	3	.34	.01	.02	1	5	30
B 49884	1	6	2	7	.4	8	10	2695	3.05	14	5	ND	2	37	1	7	2	5	26.16	.037	3	11	1.31	270	.01	8	.39	.01	.01	1	1	100
B 49885	1	8	5	7	.4	8	7	2099	2.85	13	5	ND	3	34	1	8	2	5	21.31	.041	3	8	2.91	319	.01	4	.47	.01	.01	1	1	180
B 49886	1	5	2	14	.1	5	4	929	1.69	9	5	ND	1	42	1	2	2	4	17.57	.023	3	2	7.35	58	.01	9	.24	.01	.01	1	4	30
B 49887	1	4	2	6	.3	5	7	1561	2.02	11	5	ND	1	37	1	4	2	5	20.63	.022	3	9	4.11	286	.01	5	.39	.01	.01	1	3	100
B 49888	1	9	2	7	.3	5	6	2527	2.65	2	5	ND	1	20	1	2	2	6	14.16	.016	5	3	7.13	13	.01	2	.38	.01	.02	1	3	120
B 49889	1	12	8	9	.2	8	8	1524	2.65	10	5	ND	3	24	1	3	2	8	12.33	.025	5	3	6.39	13	.01	5	.72	.01	.03	1	2	160
B 49890	1	12	10	8	.4	9	10	1790	2.56	11	5	ND	5	19	1	4	3	9	11.38	.034	7	6	4.49	168	.01	10	.90	.01	.04	1	2	180
B 49891	1	7	4	7	.1	7	11	1544	2.25	22	5	ND	2	53	1	2	3	9	19.38	.031	6	6	4.76	153	.01	5	.31	.01	.01	1	3	160
B 49892	1	5	2	7	.1	5	6	838	2.52	26	5	ND	2	47	1	2	2	8	14.33	.027	8	7	6.54	61	.01	6	.27	.01	.01	1	1	350
B 49893	1	3	3	9	.2	4	4	1195	1.97	27	5	ND	1	53	1	2	2	6	21.30	.026	3	6	6.15	135	.01	5	.22	.01	.01	1	1	240
B 49894	1	4	6	11	.2	4	4	1318	2.11	44	5	ND	1	41	1	2	2	4	20.69	.022	4	4	6.28	58	.01	5	.43	.01	.01	1	3	100
B 49895	1	5	8	7	.3	4	5	2151	2.64	3	5	ND	1	25	1	2	2	6	16.85	.016	5	3	8.77	7	.01	2	.23	.01	.01	1	2	120
B 49896	1	8	8	10	.3	8	6	1662	2.28	16	5	ND	2	26	1	2	2	6	16.75	.028	8	3	5.63	10	.01	5	.43	.01	.03	1	3	220
STD C/AU-R	18	58	40	130	7.1	68	31	1007	4.02	44	23	8	37	48	19	15	22	58	.47	.094	37	56	.86	174	.07	38	1.92	.06	.13	13	490	1300

G90-14

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49897	1	11	6	2	.1	10	8	683	1.35	12	5	ND	6	41	1	5	2	11	14.00	.062	6	7	4.39	8	.01	2	.74	.01	.01	1	1	220
B 49898	1	6	2	1	.2	7	12	807	3.25	17	5	ND	4	53	1	4	2	7	13.43	.078	4	6	5.89	9	.01	2	.33	.01	.01	1	1	330
B 49899	1	3	2	2	.1	4	5	936	2.29	46	5	ND	1	54	1	4	2	4	19.49	.019	3	3	4.68	14	.01	2	.36	.01	.01	1	1	160
B 49901	1	3	2	1	.1	3	2	765	1.28	10	5	ND	1	40	1	2	2	4	18.17	.016	4	1	6.35	25	.01	2	.29	.01	.01	1	1	110
B 49902	1	3	7	1	.1	4	3	852	1.39	25	5	ND	1	25	1	2	2	2	18.60	.015	7	1	5.73	6	.01	2	.42	.01	.03	1	1	60
B 49903	1	2	4	1	.1	4	2	842	1.28	25	5	ND	1	29	1	2	2	2	21.69	.015	5	1	4.49	8	.01	3	.32	.01	.02	1	1	80
B 49904	1	4	3	5	.1	4	3	742	1.28	4	5	ND	1	29	1	2	2	4	14.11	.014	3	1	7.25	5	.01	4	.18	.01	.03	1	1	70
B 49905	1	4	2	5	.1	4	2	1054	1.53	3	5	ND	1	24	1	2	3	3	16.39	.017	5	1	7.12	5	.01	2	.24	.01	.03	1	1	80
B 49906	1	4	2	1	.2	6	3	1216	2.24	2	5	ND	1	17	1	2	2	3	13.71	.016	5	1	7.08	10	.01	2	.31	.01	.05	1	2	100
B 49907	1	3	5	1	.2	3	2	1205	1.95	3	5	ND	1	16	1	2	2	2	14.69	.010	6	1	7.55	5	.01	2	.20	.01	.03	1	1	70
B 49908	1	3	3	1	.1	6	4	893	1.83	4	5	ND	1	16	1	2	2	2	14.77	.013	4	1	7.16	5	.01	6	.17	.01	.03	1	2	80
B 49909	1	5	9	1	.1	7	5	772	2.39	7	5	ND	1	24	1	2	2	3	14.17	.029	3	1	7.25	5	.01	2	.13	.01	.02	1	2	260
B 49910	1	3	2	2	.1	4	3	641	1.34	3	5	ND	1	26	1	2	2	3	15.50	.016	4	1	8.08	6	.01	4	.14	.01	.02	1	1	100
B 49911	1	9	9	3	.1	8	6	966	2.02	3	5	ND	2	19	1	2	3	5	12.70	.022	6	3	6.79	9	.01	3	.75	.01	.06	1	4	170
B 49912	1	15	5	3	.1	9	7	1121	2.11	5	5	ND	3	20	1	2	3	6	12.96	.023	8	4	6.60	26	.01	2	.65	.02	.08	1	1	210
C 39452	1	1	7	1	.1	1	3	665	1.13	6	5	ND	1	73	1	2	2	5	16.40	.012	2	1	8.69	216	.01	2	.08	.01	.02	1	1	480
STD C/AU-R	17	57	40	129	6.5	66	30	939	3.92	44	18	6	37	47	18	15	18	57	.46	.099	37	56	.81	174	.07	40	1.85	.06	.14	13	530	1300

G90-14

[redacted] ACME ANA[redacted]YTICAL LABORATORIES LTD. [redacted] 852 E. HASTINGS ST. VA[redacted]NCOUVER B.C. [redacted] V6A 1R6 [redacted] PHONE([redacted])25[redacted]158 [redacted](6[redacted]53-1[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0541 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49826	1	59	14	12	.1	12	9	501	3.43	2	5	ND	4	14	1	3	2	14	1.33	.044	17	26	2.76	61	.01	3	2.27	.01	.15	1	2	10
B 49827	1	7	11	9	.1	16	12	86	2.86	2	5	ND	5	4	1	2	2	12	.12	.054	25	23	1.99	36	.01	15	2.11	.01	.18	1	2	5
B 49828	1	23	7	14	.1	15	8	96	2.98	2	5	ND	5	4	1	2	2	12	.12	.052	21	25	2.09	38	.01	14	2.20	.01	.19	1	1	5
B 49829	1	10	9	8	.1	17	16	92	3.11	6	5	ND	4	6	1	2	2	12	.17	.074	16	28	2.10	98	.01	7	2.23	.01	.19	1	1	10
B 49830	1	12	6	15	.1	16	9	237	3.40	4	5	ND	5	6	1	2	2	14	.40	.068	22	23	2.33	51	.01	5	2.39	.01	.21	1	2	5
B 49831	1	46	9	19	.1	18	13	183	4.06	8	5	ND	2	10	1	2	2	20	.36	.112	11	31	2.49	297	.01	12	2.65	.01	.19	1	1	5
B 49832	2	75	3	7	.1	18	11	81	2.60	9	5	ND	5	5	1	2	2	12	.13	.061	14	20	1.72	112	.01	14	1.90	.01	.21	1	1	5
B 49833	1	13	16	18	.2	17	17	242	4.17	8	5	ND	2	15	1	2	2	17	.46	.101	8	26	2.35	167	.01	31	2.41	.01	.20	1	2	10
B 49834	1	19	2	17	.1	15	8	438	3.20	5	5	ND	4	17	1	2	2	12	1.33	.068	15	21	2.58	60	.01	11	2.13	.01	.18	1	2	5
B 49835	1	57	2	17	.1	14	14	401	3.46	2	5	ND	5	16	1	2	2	12	1.09	.069	21	21	2.76	17	.01	5	2.35	.01	.20	1	1	5
B 49836	1	5	5	15	.1	18	11	169	2.98	5	5	ND	6	6	1	2	2	10	.22	.061	23	22	2.09	52	.01	22	2.20	.01	.21	1	1	5
B 49837	1	38	8	10	.1	20	11	157	2.93	8	5	ND	8	6	1	2	2	11	.20	.062	18	21	1.92	54	.01	15	2.11	.01	.23	1	2	5
B 49838	1	38	10	14	.1	21	13	306	3.75	5	5	ND	6	9	1	2	2	13	.39	.074	19	24	2.44	74	.01	10	2.45	.01	.22	1	3	5
B 49839	1	49	13	19	.1	22	19	229	3.30	8	5	ND	5	10	1	2	2	13	.37	.071	14	23	2.22	189	.01	6	2.26	.01	.21	1	4	5
B 49840	1	84	11	13	.1	20	13	173	3.89	3	5	ND	4	7	1	2	2	12	.19	.090	26	25	2.04	42	.01	12	2.20	.01	.20	1	2	5
B 49841	1	20	6	12	.1	17	12	236	3.99	9	5	ND	4	7	1	2	2	13	.20	.093	14	24	1.93	58	.01	19	2.15	.01	.20	1	1	10
B 49842	1	205	4	10	.1	22	33	173	4.04	11	5	ND	2	8	1	2	3	16	.21	.102	10	31	1.87	44	.01	10	2.16	.01	.24	1	2	20
B 49843	1	26	5	20	.3	22	18	108	4.70	6	5	ND	3	11	1	2	2	20	.28	.134	11	37	2.01	37	.01	21	2.35	.01	.23	1	1	10
B 49844	1	201	7	18	.2	21	13	67	3.74	2	5	ND	5	10	1	2	2	17	.23	.103	17	27	1.98	273	.01	24	2.34	.01	.24	1	1	10
B 49845	1	40	9	9	.1	23	17	90	3.65	6	5	ND	5	9	1	2	2	11	.18	.085	14	21	1.42	161	.01	20	1.66	.01	.22	1	1	20
B 49846	1	83	13	14	.6	27	39	1154	9.89	2	5	ND	1	38	1	4	5	20	.85	.367	7	20	3.51	63	.01	2	2.30	.01	.28	1	1	70
B 49847	1	9	3	16	.5	22	24	1328	9.05	5	5	ND	1	43	1	6	2	20	1.01	.284	8	22	4.11	127	.02	2	2.49	.01	.24	1	2	60
B 49848	1	33	4	9	.6	23	59	1548	9.71	2	5	ND	1	52	1	6	2	15	1.05	.286	4	20	3.61	38	.01	2	1.89	.01	.23	1	1	170
B 49849	1	24	15	15	.7	22	54	1229	9.94	5	5	ND	1	36	1	5	2	21	.92	.299	9	18	4.26	31	.01	2	2.90	.01	.18	1	1	130
B 49850	1	29	8	14	.5	22	44	1025	9.80	2	5	ND	1	36	1	6	2	21	.76	.267	4	22	3.83	43	.02	2	2.77	.01	.21	1	1	110
B 57017	1	3	2	1	.1	13	11	134	1.50	3	5	ND	6	9	1	2	2	8	3.82	.058	11	19	3.29	11	.01	9	1.14	.01	.11	1	1	180
B 57018	1	1	2	6	.1	16	4	73	1.49	3	5	ND	6	5	1	2	2	10	1.72	.052	14	24	2.76	14	.01	11	1.64	.01	.16	1	1	70
B 57019	1	1	4	5	.1	14	2	108	1.40	2	5	ND	7	7	1	3	2	9	2.80	.057	18	22	2.96	11	.01	8	1.37	.01	.13	1	1	20
B 57020	1	1	5	5	.1	19	5	67	1.59	2	5	ND	7	5	1	2	2	11	1.73	.056	16	25	2.97	11	.01	3	1.71	.01	.14	1	1	50
B 57021	2	5	10	2	.1	14	27	136	1.59	9	5	ND	7	9	1	2	2	9	3.53	.061	13	21	3.06	10	.01	16	1.11	.01	.12	1	2	380
B 57022	1	1	3	4	.1	16	4	100	1.42	2	5	ND	7	8	1	3	2	9	2.72	.055	17	21	3.03	11	.01	9	1.40	.01	.14	1	3	30
B 57023	1	1	5	1	.1	15	3	116	1.42	2	5	ND	6	7	1	2	2	9	2.59	.050	16	21	2.96	26	.01	6	1.38	.01	.14	1	1	20
B 57024	1	8	4	4	.2	4	4	581	1.57	11	5	ND	1	52	1	2	2	5	18.79	.023	4	1	6.75	19	.01	3	.09	.01	.01	1	1	130
B 57025	1	6	2	8	.2	3	3	526	1.55	6	5	ND	2	39	1	2	2	6	16.59	.019	3	1	7.01	18	.01	2	.13	.01	.02	1	1	120
STD C/AU-R	17	57	39	132	6.9	68	31	957	4.06	42	23	8	37	47	19	15	23	58	.46	.094	37	55	.84	175	.07	34	1.92	.06	.14	11	510	1300

G90-15

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 1 1990 DATE REPORT MAILED: March 6/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57026	1	1	2	4	.1	2	2	559	2.02	7	5	ND	1	57	1	2	2	4	19.35	.016	4	1	7.12	43	.01	2	.08	.01	.01	1	1	230
B 57027	1	11	6	1	.1	4	2	391	1.04	5	5	ND	1	57	1	2	2	3	23.43	.017	5	3	3.89	17	.01	2	.12	.01	.04	1	2	110
B 57028	1	48	6	9	.2	2	2	392	1.10	8	5	ND	1	52	1	2	2	3	22.83	.014	5	2	4.08	19	.01	2	.14	.01	.02	1	2	120
B 57029	1	21	5	4	.1	4	2	208	.45	7	5	ND	1	71	1	5	2	1	31.79	.011	7	5	.64	7	.01	13	.15	.01	.05	1	1	180
B 57030	1	7	11	1	.1	2	2	380	.87	9	5	ND	1	54	1	2	2	3	21.81	.013	5	1	5.32	14	.01	2	.07	.01	.04	1	3	90
B 57031	1	12	5	1	.1	6	3	414	1.18	7	5	ND	1	44	1	2	2	3	18.87	.019	5	1	5.48	16	.01	2	.22	.01	.10	1	2	130
B 57032	1	14	11	4	.1	13	6	147	1.49	15	5	ND	7	25	1	3	2	4	10.93	.048	8	8	.98	18	.01	4	.87	.01	.19	1	2	250
B 57033	1	13	12	9	.2	6	4	282	1.08	12	5	ND	1	58	1	6	2	2	21.93	.031	8	6	2.30	26	.01	12	.22	.01	.06	2	3	210
B 57034	1	9	4	1	.1	4	2	502	1.32	10	5	ND	1	37	1	2	2	3	17.53	.020	3	1	7.11	11	.01	2	.07	.01	.02	1	2	140
B 57035	1	13	8	1	.1	3	2	315	.86	9	5	ND	1	56	1	3	2	3	22.50	.020	6	3	3.57	8	.01	2	.15	.01	.05	1	2	160
B 57036	1	12	2	4	.1	4	2	205	.76	10	5	ND	1	76	1	7	2	2	28.03	.018	7	6	1.75	10	.01	12	.24	.01	.06	1	2	100
B 57037	1	7	7	4	.1	5	3	161	.90	5	5	ND	3	53	1	4	2	3	22.59	.018	7	8	1.56	12	.01	2	.44	.01	.11	1	1	110
B 57038	1	9	4	1	.1	3	2	186	.56	7	5	ND	1	87	1	5	2	2	29.88	.015	7	6	2.01	12	.01	2	.11	.01	.06	1	3	80
B 57039	1	13	2	5	.1	4	3	159	.54	9	5	ND	1	103	1	3	2	2	33.32	.018	11	5	.42	11	.01	2	.22	.01	.08	1	2	120
B 57040	1	11	3	3	.1	8	4	92	.83	9	5	ND	5	61	1	3	2	4	21.20	.031	12	6	.43	16	.01	4	.70	.01	.18	1	1	160
B 57041	1	18	5	3	.1	6	3	204	.62	9	5	ND	2	84	1	3	2	2	29.73	.023	11	5	.48	27	.01	4	.31	.01	.09	1	2	140
B 57042	1	10	9	1	.1	7	4	253	.86	11	5	ND	3	35	1	2	2	3	22.99	.039	9	8	1.17	41	.01	9	.45	.01	.10	2	3	110
B 57043	1	3	3	1	.1	4	3	366	1.13	7	5	ND	1	34	1	2	3	3	18.32	.031	6	1	4.91	38	.01	11	.18	.01	.05	1	2	50
B 57044	1	32	5	1	.1	18	8	256	3.14	18	5	ND	5	86	1	6	2	4	20.09	.076	27	10	1.12	18	.01	2	.96	.01	.12	1	2	280
B 57045	1	11	10	8	.1	4	3	309	1.46	10	5	ND	2	60	1	2	2	3	21.61	.033	6	2	4.50	10	.01	10	.23	.01	.08	1	3	120
B 57046	1	4	8	3	.1	3	2	381	1.00	4	5	ND	1	41	1	2	2	3	17.02	.020	4	1	6.78	13	.01	11	.23	.01	.09	1	1	130
B 57047	1	6	2	1	.1	4	3	270	.86	5	5	ND	1	51	1	2	2	2	22.24	.027	6	5	3.38	9	.01	2	.28	.01	.07	1	2	110
B 57048	1	12	8	4	.1	6	4	203	1.02	5	5	ND	2	69	1	2	2	3	24.97	.023	11	6	.69	14	.01	2	.59	.01	.14	1	1	190
B 57049	1	10	7	3	.1	9	5	257	1.36	4	5	ND	5	24	1	2	2	6	9.87	.029	8	4	5.03	29	.01	21	.80	.01	.28	1	3	220
B 57050	1	6	2	1	.1	6	4	367	1.33	3	5	ND	4	28	1	2	2	3	14.45	.024	3	1	7.39	15	.01	5	.18	.01	.08	1	4	150
B 57051	1	3	4	4	.2	2	2	431	.97	5	5	ND	1	28	1	2	2	2	15.98	.015	4	1	8.05	10	.01	4	.10	.01	.04	1	2	90
B 57052	1	7	5	3	.1	6	3	565	1.08	4	5	ND	1	42	1	2	2	2	21.15	.029	10	1	4.13	21	.01	3	.44	.01	.07	2	2	160
B 57053	1	11	2	2	.1	6	3	327	1.74	5	5	ND	1	41	1	2	2	2	17.25	.035	7	1	4.96	13	.01	12	.37	.01	.08	1	2	200
B 57054	1	8	6	6	.2	6	3	348	1.25	6	5	ND	2	30	1	2	2	3	13.31	.037	4	1	6.75	18	.01	11	.26	.01	.09	1	2	140
B 57055	1	6	6	5	.1	4	3	362	1.15	6	5	ND	2	30	1	2	2	3	13.61	.038	4	1	7.02	15	.01	5	.25	.01	.08	1	2	110
B 57056	1	6	5	1	.1	5	3	290	1.13	6	5	ND	3	24	1	2	2	4	13.44	.039	3	1	6.35	18	.01	13	.28	.01	.10	1	1	60
B 57057	1	5	3	2	.1	4	2	376	1.30	6	5	ND	1	27	1	2	2	3	15.40	.026	4	1	7.16	14	.01	2	.18	.01	.05	1	4	140
B 49913	2	374	25	135	.7	26	29	7393	9.85	2	5	ND	1	15	1	6	2	55	.73	.151	46	25	2.55	1152	.21	2	3.57	.03	.08	1	8	80
B 49914	4	564	35	108	1.0	28	33	15290	8.98	2	11	ND	2	17	1	7	2	60	.76	.165	71	22	1.96	842	.18	3	3.42	.02	.09	1	2	110
STD C/AU-R	18	57	39	131	7.0	68	31	1006	3.98	44	22	8	37	48	19	15	21	58	.45	.095	37	55	.83	174	.07	37	1.91	.06	.14	12	530	1300

G90-15

[redacted] ACME [redacted] LABORATORIES LTD. [redacted] E. HASTINGS ST. [redacted] VANCOUVER B.C. [redacted] V6A [redacted] PHONE [redacted] 253-[redacted] [redacted] (6[redacted] 253-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0525 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49851	1	21	20	15	.1	25	47	972	8.20	3	5	ND	1	29	1	2	2	29	.61	.240	8	19	4.41	49	.02	2	3.57	.01	.22	1	1	110
B 49852	1	15	19	16	.2	25	34	296	7.95	3	7	ND	1	27	1	4	2	41	.58	.227	10	24	4.63	22	.02	2	4.27	.01	.15	1	1	50
B 49853	1	3	9	14	.1	25	25	511	7.78	7	5	ND	1	28	1	2	5	35	.61	.234	19	23	4.98	72	.03	2	3.91	.01	.19	1	1	10
B 49854	1	17	12	15	.1	28	26	321	7.65	2	5	ND	1	27	1	2	3	38	.66	.246	16	26	4.87	238	.03	2	4.24	.01	.23	1	1	10
B 49855	1	15	14	14	.2	27	35	1030	8.56	2	5	ND	1	30	1	2	3	32	.59	.201	9	21	4.82	91	.03	2	3.47	.01	.21	1	3	30
B 49856	1	19	11	15	.1	24	30	413	8.19	3	5	ND	1	30	1	2	2	37	.56	.222	12	21	4.65	108	.04	2	4.06	.01	.22	1	1	20
B 49857	1	22	8	15	.1	24	23	249	8.29	2	5	ND	2	31	1	2	2	36	.55	.238	20	19	4.81	133	.05	2	4.08	.01	.19	1	1	5
B 49858	2	8	13	10	.2	22	31	732	7.57	2	7	ND	3	35	1	2	2	27	.79	.238	19	16	4.19	202	.04	2	2.66	.01	.28	1	2	10
B 49859	1	4	8	13	.1	30	26	478	7.88	2	5	ND	1	38	1	2	3	37	.64	.235	24	26	4.55	385	.04	2	3.47	.01	.21	1	1	5
B 49860	1	22	13	14	.1	27	36	432	7.69	2	5	ND	1	44	1	2	2	36	.76	.248	10	23	4.73	55	.04	2	4.06	.01	.23	1	2	40
B 49861	1	66	14	15	.2	26	39	543	7.98	2	5	ND	1	32	1	3	2	37	.54	.236	8	23	4.59	51	.04	2	3.86	.01	.22	1	1	80
B 57058	1	6	3	2	.1	5	3	315	1.03	6	5	ND	3	28	1	2	2	3	14.04	.019	5	2	7.11	19	.01	15	.21	.01	.08	1	1	100
B 57059	1	9	6	2	.1	7	2	354	1.00	6	5	ND	3	27	1	2	2	3	13.31	.030	4	3	6.64	19	.01	4	.27	.01	.08	1	1	40
B 57060	1	10	3	2	.1	7	4	474	1.33	12	5	ND	2	28	1	2	2	3	14.13	.021	4	2	6.92	14	.01	2	.17	.01	.05	1	1	100
B 57061	1	8	3	2	.1	6	3	444	1.05	4	5	ND	3	25	1	2	2	2	13.00	.021	6	2	6.55	17	.01	2	.30	.01	.05	1	1	130
B 57062	1	6	4	2	.1	7	4	395	1.10	8	5	ND	3	25	1	2	2	3	11.68	.030	5	2	5.95	15	.01	2	.30	.01	.07	1	1	70
B 57063	1	17	6	2	.1	11	5	236	1.36	9	5	ND	7	17	1	2	2	3	6.30	.053	8	3	3.06	40	.01	2	.74	.01	.14	1	1	140
B 57064	1	4	3	1	.1	6	2	430	.92	6	5	ND	1	28	1	2	2	1	11.83	.023	4	2	6.25	23	.01	2	.19	.01	.07	1	2	60
B 57065	1	7	7	1	.1	8	4	232	1.13	6	5	ND	4	21	1	2	2	2	6.21	.022	7	4	3.39	22	.01	2	.42	.01	.10	1	1	200
B 57066	1	6	2	1	.1	3	1	492	.80	5	5	ND	1	29	1	2	2	2	15.87	.014	5	1	7.91	10	.01	2	.08	.01	.05	1	1	80
B 57067	1	7	5	2	.1	5	4	382	.95	5	5	ND	2	27	1	2	2	2	14.79	.015	3	2	7.88	16	.01	7	.12	.01	.05	2	1	100
B 57068	1	10	5	2	.2	9	5	558	1.31	11	5	ND	5	21	1	2	2	4	11.10	.034	7	3	6.10	14	.01	2	.45	.01	.09	1	1	130
B 57069	1	18	2	2	.1	8	4	468	1.02	8	5	ND	3	26	1	2	2	3	14.94	.024	3	2	7.21	20	.01	2	.36	.01	.06	1	2	70
B 57070	1	14	2	2	.1	11	6	422	1.25	6	5	ND	3	24	1	2	2	3	13.59	.040	4	3	5.72	30	.01	8	.47	.01	.06	1	1	100
B 57071	1	18	4	2	.2	12	6	318	1.41	7	5	ND	5	22	1	2	2	5	11.08	.045	8	4	4.62	24	.01	5	.72	.01	.10	1	2	150
B 57072	1	9	2	1	.2	11	6	310	1.28	8	5	ND	5	26	1	2	2	4	10.76	.038	7	4	5.73	23	.01	3	.37	.01	.10	1	1	180
B 57073	1	4	2	1	.1	4	1	394	.82	2	5	ND	2	33	1	2	2	2	15.05	.021	4	2	8.10	16	.01	18	.17	.01	.04	1	1	50
B 57074	1	5	2	1	.1	5	2	388	1.16	5	5	ND	2	31	1	2	2	3	14.46	.019	3	2	7.64	20	.01	18	.18	.01	.02	1	1	30
B 57209	1	5	5	9	.1	8	5	172	1.05	2	5	ND	1	40	1	2	2	8	1.00	.022	8	6	.86	1849	.02	4	.58	.01	.11	1	1	20
B 57210	1	1	4	1	.1	6	2	126	.95	3	5	ND	4	17	1	2	2	5	1.10	.033	12	11	.68	816	.01	6	.45	.01	.13	2	1	10
B 57211	2	3	3	3	.1	8	4	433	1.35	2	5	ND	2	62	1	2	2	5	3.19	.021	6	9	2.06	1692	.01	7	.60	.01	.10	2	1	10
B 57212	2	2	3	1	.1	8	4	341	1.56	2	5	ND	1	25	1	2	2	5	1.06	.019	6	10	.59	1472	.01	4	.64	.01	.14	1	3	30
B 57213	2	2	3	2	.1	8	3	313	1.36	2	5	ND	2	19	1	2	2	6	1.63	.028	9	11	1.13	675	.01	4	.59	.01	.14	1	1	10
B 57214	1	1	2	1	.1	8	2	202	1.21	2	5	ND	5	8	1	2	2	7	1.13	.036	17	12	.74	86	.01	3	.46	.01	.15	1	1	20
B 57215	2	5	2	1	.1	8	1	51	.74	2	5	ND	5	2	1	2	2	4	.07	.029	18	11	.08	59	.01	2	.25	.01	.12	1	3	20
B 57216	3	3	2	2	.1	12	2	298	1.04	2	5	ND	1	2	1	2	2	5	.27	.015	6	13	.32	120	.01	2	.41	.01	.09	1	1	60
STD C/AU-R	18	57	37	133	7.1	67	31	946	3.92	42	16	7	36	48	18	15	20	58	.44	.096	38	56	.89	173	.07	31	1.87	.06	.13	12	515	1400

G90-15

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 28 1990 DATE REPORT MAILED: March 6/90 SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0540 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57075	1	7	6	1	.2	8	6	414	1.60	4	5	ND	2	24	1	2	2	5	12.69	.032	4	2	6.67	36	.01	4	.44	.02	.06	1	2	40
B 57076	1	2	9	2	.1	5	4	497	1.83	2	5	ND	2	24	1	2	2	5	13.45	.026	5	1	7.40	16	.01	2	.46	.01	.09	1	3	50
B 57077	1	2	8	4	.1	5	3	603	1.40	5	5	ND	2	26	1	2	2	4	13.82	.027	5	1	7.60	39	.01	2	.56	.01	.07	1	2	40
B 57078	1	5	5	3	.1	8	6	482	1.82	4	5	ND	2	30	1	2	2	4	12.28	.037	6	2	6.75	27	.01	3	.73	.01	.14	1	2	80
B 57079	1	9	6	1	.2	8	5	825	1.57	9	5	ND	2	35	1	2	2	3	13.83	.028	6	2	7.28	14	.01	2	.55	.01	.10	1	1	180
B 57080	1	5	2	6	.1	5	4	554	1.53	7	5	ND	1	33	1	2	2	3	15.74	.028	4	1	6.68	13	.01	3	.39	.01	.07	1	1	80
B 57081	1	3	4	1	.1	4	4	558	1.62	8	5	ND	2	33	1	2	2	3	13.50	.028	4	1	7.46	8	.01	2	.48	.01	.08	1	5	90
B 57082	1	3	8	1	.1	6	4	562	1.80	7	5	ND	1	34	1	2	2	3	13.86	.029	4	1	6.98	10	.01	2	.43	.01	.08	1	1	100
B 57083	1	7	6	1	.1	7	5	463	2.41	14	5	ND	2	21	1	2	2	4	12.82	.030	3	3	6.49	12	.01	2	.59	.01	.09	1	1	210
B 57084	1	4	3	3	.3	3	3	600	1.73	6	5	ND	1	21	1	2	2	2	16.89	.015	2	1	8.75	4	.01	2	.17	.01	.05	1	1	90
B 57085	1	5	2	2	.1	6	5	706	1.39	7	5	ND	2	29	1	2	2	4	14.18	.036	5	3	7.03	9	.01	6	.38	.01	.12	1	1	120
B 57086	1	5	6	2	.1	3	4	893	1.07	4	5	ND	1	30	1	2	2	2	15.49	.022	5	1	7.31	7	.01	2	.33	.01	.07	1	2	90
B 57087	1	9	6	3	.1	9	7	459	1.74	12	5	ND	3	25	1	2	2	6	10.73	.046	5	2	5.70	21	.01	5	.78	.01	.16	1	1	100
B 57088	1	4	9	1	.1	6	4	590	1.79	9	5	ND	1	29	1	2	2	3	16.58	.022	3	1	8.11	15	.01	2	.19	.01	.04	1	1	60
B 57089	1	4	6	2	.1	6	3	396	1.72	5	5	ND	2	26	1	2	2	4	12.14	.033	3	1	6.83	18	.01	6	.51	.01	.09	2	1	70
B 57090	1	6	4	1	.1	5	5	515	1.87	9	5	ND	2	28	1	2	2	4	12.99	.033	4	1	6.92	22	.01	6	.47	.01	.08	1	5	60
B 57091	1	10	6	3	.1	6	5	645	2.21	11	5	ND	2	15	1	2	2	4	12.68	.033	4	1	6.53	27	.01	4	.44	.01	.09	1	1	50
B 57092	1	3	2	3	.2	5	4	798	2.02	9	5	ND	2	18	1	2	2	4	14.37	.029	6	1	7.17	37	.01	2	.55	.01	.07	1	1	20
B 57093	1	2	9	6	.1	4	3	693	1.65	7	5	ND	2	16	1	2	3	4	13.56	.032	7	1	6.84	18	.01	3	.51	.01	.08	1	1	20
B 57094	1	4	2	3	.1	7	4	509	2.10	14	5	ND	2	16	1	2	2	4	14.83	.034	5	1	5.43	20	.01	5	.51	.01	.09	1	3	30
B 57095	1	4	2	4	.2	6	4	810	2.04	12	5	ND	2	18	1	2	2	4	14.54	.028	6	1	7.24	37	.01	2	.55	.01	.07	1	2	20
B 57096	1	5	8	1	.1	8	6	281	1.80	9	5	ND	5	10	1	4	2	5	10.64	.043	9	7	3.59	19	.01	2	.95	.01	.15	1	5	130
B 57097	1	3	8	6	.1	6	4	675	1.99	12	5	ND	3	16	1	2	2	5	11.73	.032	6	2	6.65	14	.01	3	.73	.01	.09	1	1	20
B 57098	1	4	6	3	.1	4	3	730	1.89	8	5	ND	1	22	1	2	2	4	15.11	.028	4	1	7.82	15	.01	4	.33	.01	.06	1	2	30
B 57099	1	6	9	1	.1	7	5	723	1.88	16	5	ND	3	20	1	2	3	5	13.96	.034	4	2	6.17	26	.01	7	.52	.01	.08	1	3	50
B 57100	1	4	2	1	.1	7	5	645	1.92	10	5	ND	2	19	1	2	2	6	13.24	.029	5	3	6.41	26	.01	4	.66	.01	.07	1	1	60
B 57201	1	2	3	1	.1	3	4	703	1.44	9	5	ND	3	18	1	2	2	4	13.21	.023	6	2	6.57	15	.01	3	.48	.01	.07	1	4	30
B 57202	1	7	6	4	.1	10	7	440	1.97	12	5	ND	5	13	1	3	2	9	9.84	.041	9	7	5.84	17	.01	2	1.42	.01	.09	1	1	60
B 57203	1	6	2	7	.1	4	4	598	1.58	8	5	ND	2	17	1	2	2	6	13.56	.030	7	3	7.05	15	.01	5	.72	.01	.06	1	2	50
B 57204	1	5	3	4	.2	7	6	635	1.91	9	5	ND	3	18	1	2	3	5	13.66	.029	6	3	7.14	17	.01	3	.53	.01	.06	1	4	40
B 57205	1	4	4	5	.1	17	6	269	1.59	10	5	ND	10	7	1	4	2	12	5.48	.061	12	24	2.96	23	.01	3	1.50	.01	.16	1	4	30
B 57206	1	1	2	4	.1	14	5	94	1.26	2	5	ND	9	3	1	2	2	12	1.78	.058	14	24	2.13	16	.01	3	1.40	.01	.20	1	3	20
B 57207	1	6	4	10	.1	16	11	166	1.55	8	5	ND	11	5	1	2	2	13	2.09	.063	21	24	2.33	25	.01	5	1.43	.01	.25	1	4	20
B 57208	1	7	2	9	.1	14	9	361	2.03	13	5	ND	8	10	1	3	2	8	8.06	.046	8	13	3.72	26	.01	3	1.23	.01	.18	1	5	50
B 57226	2	2	4	8	.3	6	4	1948	2.11	7	5	ND	2	35	1	6	2	12	10.19	.040	5	12	2.65	2155	.01	2	.51	.01	.12	1	3	420
B 57227	1	1	4	9	.1	6	3	525	1.45	2	5	ND	3	21	1	2	2	6	.16	.037	10	14	.80	1710	.01	2	.98	.01	.13	1	1	60
B 57228	2	2	2	5	.1	9	4	194	1.70	3	5	ND	3	25	1	2	4	5	.12	.029	9	20	.97	1809	.01	2	1.17	.01	.13	1	6	20
STD C/AU-R	18	57	42	131	6.9	68	31	1014	4.03	43	23	7	37	48	19	16	23	58	.45	.095	37	55	.83	174	.07	33	1.93	.06	.14	11	470	1400

G90-15

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 1 1990 DATE REPORT MAILED: March 6/90 SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604) 253-3158 FAX(604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0525 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49851	1	21	20	15	.1	25	47	972	8.20	3	5	ND	1	29	1	2	2	29	.61	.240	8	19	4.41	49	.02	2	3.57	.01	.22	1	1	110
B 49852	1	15	19	16	.2	25	34	296	7.95	3	7	ND	1	27	1	4	2	41	.58	.227	10	24	4.63	22	.02	2	4.27	.01	.15	1	1	50
B 49853	1	3	9	14	.1	25	25	511	7.78	7	5	ND	1	28	1	2	5	35	.61	.234	19	23	4.98	72	.03	2	3.91	.01	.19	1	1	10
B 49854	1	17	12	15	.1	28	26	321	7.65	2	5	ND	1	27	1	2	3	38	.66	.246	16	26	4.87	238	.03	2	4.24	.01	.23	1	1	10
B 49855	1	15	14	14	.2	27	35	1030	8.56	2	5	ND	1	30	1	2	3	32	.59	.201	9	21	4.82	91	.03	2	3.47	.01	.21	1	3	30
B 49856	1	19	11	15	.1	24	30	413	8.19	3	5	ND	1	30	1	2	2	37	.56	.222	12	21	4.65	108	.04	2	4.06	.01	.22	1	1	20
B 49857	1	22	8	15	.1	24	23	249	8.29	2	5	ND	2	31	1	2	2	36	.55	.238	20	19	4.81	133	.05	2	4.08	.01	.19	1	1	5
B 49858	2	8	13	10	.2	22	31	732	7.57	2	7	ND	3	35	1	2	2	27	.79	.238	19	16	4.19	202	.04	2	2.66	.01	.28	1	2	10
B 49859	1	4	8	13	.1	30	26	478	7.88	2	5	ND	1	38	1	2	3	37	.64	.235	24	26	4.55	385	.04	2	3.47	.01	.21	1	1	5
B 49860	1	22	13	14	.1	27	36	432	7.69	2	5	ND	1	44	1	2	2	36	.76	.248	10	23	4.73	55	.04	2	4.06	.01	.23	1	2	40
B 49861	1	66	14	15	.2	26	39	543	7.98	2	5	ND	1	32	1	3	2	37	.54	.236	8	23	4.59	51	.04	2	3.86	.01	.22	1	1	80
B 57058	1	6	3	2	.1	5	3	315	1.03	6	5	ND	3	28	1	2	2	3	14.04	.019	5	2	7.11	19	.01	15	.21	.01	.08	1	1	100
B 57059	1	9	6	2	.1	7	2	354	1.00	6	5	ND	3	27	1	2	2	3	13.31	.030	4	3	6.64	19	.01	4	.27	.01	.08	1	1	40
B 57060	1	10	3	2	.1	7	4	474	1.33	12	5	ND	2	28	1	2	2	3	14.13	.021	4	2	6.92	14	.01	2	.17	.01	.05	1	1	100
B 57061	1	8	3	2	.1	6	3	444	1.05	4	5	ND	3	25	1	2	2	2	13.00	.021	6	2	6.55	17	.01	2	.30	.01	.05	1	1	130
B 57062	1	6	4	2	.1	7	4	395	1.10	8	5	ND	3	25	1	2	2	3	11.68	.030	5	2	5.95	15	.01	2	.30	.01	.07	1	1	70
B 57063	1	17	6	2	.1	11	5	236	1.36	9	5	ND	7	17	1	2	2	3	6.30	.053	8	3	3.06	40	.01	2	.74	.01	.14	1	1	140
B 57064	1	4	3	1	.1	6	2	430	.92	6	5	ND	1	28	1	2	2	1	11.83	.023	4	2	6.25	23	.01	2	.19	.01	.07	1	2	60
B 57065	1	7	7	1	.1	8	4	232	1.13	6	5	ND	4	21	1	2	2	2	6.21	.022	7	4	3.39	22	.01	2	.42	.01	.10	1	1	200
B 57066	1	6	2	1	.1	3	1	492	.80	5	5	ND	1	29	1	2	2	2	15.87	.014	5	1	7.91	10	.01	2	.08	.01	.05	1	1	80
B 57067	1	7	5	2	.1	5	4	382	.95	5	5	ND	2	27	1	2	2	2	14.79	.015	3	2	7.88	16	.01	7	.12	.01	.05	2	1	100
B 57068	1	10	5	2	.2	9	5	558	1.31	11	5	ND	5	21	1	2	2	4	11.10	.034	7	3	6.10	14	.01	2	.45	.01	.09	1	1	130
B 57069	1	18	2	2	.1	8	4	468	1.02	8	5	ND	3	26	1	2	2	3	14.94	.024	3	2	7.21	20	.01	2	.36	.01	.06	1	2	70
B 57070	1	14	2	2	.1	11	6	422	1.25	6	5	ND	3	24	1	2	2	3	13.59	.040	4	3	5.72	30	.01	8	.47	.01	.06	1	1	100
B 57071	1	18	4	2	.2	12	6	318	1.41	7	5	ND	5	22	1	2	2	5	11.08	.045	8	4	4.62	24	.01	5	.72	.01	.10	1	2	150
B 57072	1	9	2	1	.2	11	6	310	1.28	8	5	ND	5	26	1	2	2	4	10.76	.038	7	4	5.73	23	.01	3	.37	.01	.10	1	1	180
B 57073	1	4	2	1	.1	4	1	394	.82	2	5	ND	2	33	1	2	2	2	15.05	.021	4	2	8.10	16	.01	18	.17	.01	.04	1	1	50
B 57074	1	5	2	1	.1	5	2	388	1.16	5	5	ND	2	31	1	2	2	3	14.46	.019	3	2	7.64	20	.01	18	.18	.01	.02	1	1	30
B 57209	1	5	5	9	.1	8	5	172	1.05	2	5	ND	1	40	1	2	2	8	1.00	.022	8	6	.86	1849	.02	4	.58	.01	.11	1	1	20
B 57210	1	1	4	1	.1	6	2	126	.95	3	5	ND	4	17	1	2	2	5	1.10	.033	12	11	.68	816	.01	6	.45	.01	.13	2	1	10
B 57211	2	3	3	3	.1	8	4	433	1.35	2	5	ND	2	62	1	2	2	5	3.19	.021	6	9	2.06	1692	.01	7	.60	.01	.10	2	1	10
B 57212	2	2	3	1	.1	8	4	341	1.56	2	5	ND	1	25	1	2	2	5	1.06	.019	6	10	.59	1472	.01	4	.64	.01	.14	1	3	30
B 57213	2	2	3	2	.1	8	3	313	1.36	2	5	ND	2	19	1	2	2	6	1.63	.028	9	11	1.13	675	.01	4	.59	.01	.14	1	1	10
B 57214	1	1	2	1	.1	8	2	202	1.21	2	5	ND	5	8	1	2	2	7	1.13	.036	17	12	.74	86	.01	3	.46	.01	.15	1	1	20
B 57215	2	5	2	1	.1	8	1	51	.74	2	5	ND	5	2	1	2	2	4	.07	.029	18	11	.08	59	.01	2	.25	.01	.12	1	3	20
B 57216	3	3	2	2	.1	12	2	298	1.04	2	5	ND	1	2	1	2	2	5	.27	.015	6	13	.32	120	.01	2	.41	.01	.09	1	1	60
STD C/AU-R	18	57	37	133	7.1	67	31	946	3.92	42	16	7	36	48	18	15	20	58	.44	.096	38	56	.89	173	.07	31	1.87	.06	.13	12	515	1400

G90-16

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 28 1990 DATE REPORT MAILED: March 6/90 SIGNED BY C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57217	2	2	2	1	.1	5	2	191	.82	5	8	ND	2	3	1	2	5	4	.25	.030	9	8	.35	72	.01	5	.40	.01	.12	1	1	50
B 57218	1	4	2	1	.1	6	1	254	.90	4	5	ND	4	3	1	2	2	5	.40	.033	15	9	.37	121	.01	2	.43	.01	.13	1	1	80
B 57219	2	4	2	1	.1	7	3	187	1.05	6	5	ND	3	21	1	2	3	5	.45	.034	13	10	.33	1213	.01	9	.48	.01	.14	1	1	40
B 57220	3	4	2	1	.1	8	3	300	1.54	2	5	ND	3	20	1	2	3	5	.53	.021	9	11	.27	1390	.01	9	.39	.01	.12	1	2	80
B 57221	2	2	4	1	.2	6	2	218	1.13	2	5	ND	2	8	1	2	2	4	1.04	.031	12	9	.60	192	.01	2	.49	.01	.12	1	1	30
B 57222	1	1	2	1	.1	6	2	215	1.52	2	5	ND	4	9	1	2	4	7	1.36	.038	16	11	.80	152	.01	2	.46	.01	.14	1	2	20
B 57223	1	1	2	1	.1	3	2	118	2.55	2	5	ND	6	8	1	2	2	12	.77	.034	18	13	.48	163	.02	2	.35	.01	.15	1	1	10
B 57224	1	1	2	3	.1	3	4	1329	1.82	5	5	ND	4	32	1	2	2	11	12.72	.024	6	6	3.44	928	.01	8	.40	.01	.14	1	1	300
B 57225	1	1	2	2	.1	2	3	1065	1.34	2	5	ND	2	24	1	2	4	7	10.87	.020	4	4	2.11	682	.01	2	.24	.01	.08	1	1	280
STD C/AU-R	18	58	36	132	6.6	67	31	940	3.87	43	19	6	36	48	18	15	23	58	.44	.097	38	55	.88	175	.07	37	1.84	.06	.13	11	470	1300

G90-16

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE (604) 253-3158

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0540 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57075	1	7	6	1	.2	8	6	414	1.60	4	5	ND	2	24	1	2	2	5	12.69	.032	4	2	6.67	36	.01	4	.44	.02	.06	1	2	40
B 57076	1	2	9	2	.1	5	4	497	1.83	2	5	ND	2	24	1	2	2	5	13.45	.026	5	1	7.40	16	.01	2	.46	.01	.09	1	3	50
B 57077	1	2	8	4	.1	5	3	603	1.40	5	5	ND	2	26	1	2	2	4	13.82	.027	5	1	7.60	39	.01	2	.56	.01	.07	1	2	40
B 57078	1	5	5	3	.1	8	6	482	1.82	4	5	ND	2	30	1	2	2	4	12.28	.037	6	2	6.75	27	.01	3	.73	.01	.14	1	2	80
B 57079	1	9	6	1	.2	8	5	825	1.57	9	5	ND	2	35	1	2	2	3	13.83	.028	6	2	7.28	14	.01	2	.55	.01	.10	1	1	180
B 57080	1	5	2	6	.1	5	4	554	1.53	7	5	ND	1	33	1	2	2	3	15.74	.028	4	1	6.68	13	.01	3	.39	.01	.07	1	1	80
B 57081	1	3	4	1	.1	4	4	558	1.62	8	5	ND	2	33	1	2	2	3	13.50	.028	4	1	7.46	8	.01	2	.48	.01	.08	1	5	90
B 57082	1	3	8	1	.1	6	4	562	1.80	7	5	ND	1	34	1	2	2	3	13.86	.029	4	1	6.98	10	.01	2	.43	.01	.08	1	1	100
B 57083	1	7	6	1	.1	7	5	463	2.41	14	5	ND	2	21	1	2	2	4	12.82	.030	3	3	6.49	12	.01	2	.59	.01	.09	1	1	210
B 57084	1	4	3	3	.3	3	3	600	1.73	6	5	ND	1	21	1	2	2	2	16.89	.015	2	1	8.75	4	.01	2	.17	.01	.05	1	1	90
B 57085	1	5	2	2	.1	6	5	706	1.39	7	5	ND	2	29	1	2	2	4	14.18	.036	5	3	7.03	9	.01	6	.38	.01	.12	1	1	120
B 57086	1	5	6	2	.1	3	4	893	1.07	4	5	ND	1	30	1	2	2	2	15.49	.022	5	1	7.31	7	.01	2	.33	.01	.07	1	2	90
B 57087	1	9	6	3	.1	9	7	459	1.74	12	5	ND	3	25	1	2	2	6	10.73	.046	5	2	5.70	21	.01	5	.78	.01	.16	1	1	100
B 57088	1	4	9	1	.1	6	4	590	1.79	9	5	ND	1	29	1	2	2	3	16.58	.022	3	1	8.11	15	.01	2	.19	.01	.04	1	1	60
B 57089	1	4	6	2	.1	6	3	396	1.72	5	5	ND	2	26	1	2	2	4	12.14	.033	3	1	6.83	18	.01	6	.51	.01	.09	2	1	70
B 57090	1	6	4	1	.1	5	5	515	1.87	9	5	ND	2	28	1	2	2	4	12.99	.033	4	1	6.92	22	.01	6	.47	.01	.08	1	5	60
B 57091	1	10	6	3	.1	6	5	645	2.21	11	5	ND	2	15	1	2	2	4	12.68	.033	4	1	6.53	27	.01	4	.44	.01	.09	1	1	50
B 57092	1	3	2	3	.2	5	4	798	2.02	9	5	ND	2	18	1	2	2	4	14.37	.029	6	1	7.17	37	.01	2	.55	.01	.07	1	1	20
B 57093	1	2	9	6	.1	4	3	693	1.65	7	5	ND	2	16	1	2	3	4	13.56	.032	7	1	6.84	18	.01	3	.51	.01	.08	1	1	20
B 57094	1	4	2	3	.1	7	4	509	2.10	14	5	ND	2	16	1	2	2	4	14.83	.034	5	1	5.43	20	.01	5	.51	.01	.09	1	3	30
B 57095	1	4	2	4	.2	6	4	810	2.04	12	5	ND	2	18	1	2	2	4	14.54	.028	6	1	7.24	37	.01	2	.55	.01	.07	1	2	20
B 57096	1	5	8	1	.1	8	6	281	1.80	9	5	ND	5	10	1	4	2	5	10.64	.043	9	7	3.59	19	.01	2	.95	.01	.15	1	5	130
B 57097	1	3	8	6	.1	6	4	675	1.99	12	5	ND	3	16	1	2	2	5	11.73	.032	6	2	6.65	14	.01	3	.73	.01	.09	1	1	20
B 57098	1	4	6	3	.1	4	3	730	1.89	8	5	ND	1	22	1	2	2	4	15.11	.028	4	1	7.82	15	.01	4	.33	.01	.06	1	2	30
B 57099	1	6	9	1	.1	7	5	723	1.88	16	5	ND	3	20	1	2	3	5	13.96	.034	4	2	6.17	26	.01	7	.52	.01	.08	1	3	50
B 57100	1	4	2	1	.1	7	5	645	1.92	10	5	ND	2	19	1	2	2	6	13.24	.029	5	3	6.41	26	.01	4	.66	.01	.07	1	1	60
B 57201	1	2	3	1	.1	3	4	703	1.44	9	5	ND	3	18	1	2	2	4	13.21	.023	6	2	6.57	15	.01	3	.48	.01	.07	1	4	30
B 57202	1	7	6	4	.1	10	7	440	1.97	12	5	ND	5	13	1	3	2	9	9.84	.041	9	7	5.84	17	.01	2	1.42	.01	.09	1	1	60
B 57203	1	6	2	7	.1	4	4	598	1.58	8	5	ND	2	17	1	2	2	6	13.56	.030	7	3	7.05	15	.01	5	.72	.01	.06	1	2	50
B 57204	1	5	3	4	.2	7	6	635	1.91	9	5	ND	3	18	1	2	3	5	13.66	.029	6	3	7.14	17	.01	3	.53	.01	.06	1	4	40
B 57205	1	4	4	5	.1	17	6	269	1.59	10	5	ND	10	7	1	4	2	12	5.48	.061	12	24	2.96	23	.01	3	1.50	.01	.16	1	4	30
B 57206	1	1	2	4	.1	14	5	94	1.26	2	5	ND	9	3	1	2	2	12	1.78	.058	14	24	2.13	16	.01	3	1.40	.01	.20	1	3	20
B 57207	1	6	4	10	.1	16	11	166	1.55	8	5	ND	11	5	1	2	2	13	2.09	.063	21	24	2.33	25	.01	5	1.43	.01	.25	1	4	20
B 57208	1	7	2	9	.1	14	9	361	2.03	13	5	ND	8	10	1	3	2	8	8.06	.046	8	13	3.72	26	.01	3	1.23	.01	.18	1	5	50
B 57226	2	2	4	8	.3	6	4	1948	2.11	7	5	ND	2	35	1	6	2	12	10.19	.040	5	12	2.65	2155	.01	2	.51	.01	.12	1	3	420
B 57227	1	1	4	9	.1	6	3	525	1.45	2	5	ND	3	21	1	2	2	6	.16	.037	10	14	.80	1710	.01	2	.98	.01	.13	1	1	60
B 57228	2	2	2	5	.1	9	4	194	1.70	3	5	ND	3	25	1	2	4	5	.12	.029	9	20	.97	1809	.01	2	1.17	.01	.13	1	6	20
STD C/AU-R	18	57	42	131	6.9	68	31	1014	4.03	43	23	7	37	48	19	16	23	58	.45	.095	37	55	.83	174	.07	33	1.93	.06	.14	11	470	1400

C90-16

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 1 1990 DATE REPORT MAILED: March 6/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57229	1	1	2	3	.1	5	5	260	2.09	3	5	ND	2	26	1	2	2	7	.07	.031	8	18	1.24	1959	.01	6	1.40	.01	.09	1	1	20
B 57230	2	2	2	5	.1	8	4	253	1.95	5	5	ND	2	25	1	2	2	6	.09	.023	8	18	1.09	1934	.01	3	1.22	.01	.09	1	1	30
B 57231	1	1	2	1	.1	4	4	344	1.83	2	5	ND	3	31	1	2	2	8	1.10	.035	9	17	.90	1777	.01	17	.98	.01	.15	1	1	50
B 57232	1	2	4	4	.3	4	5	1110	2.41	2	5	ND	3	49	1	4	2	12	6.65	.024	6	14	3.87	1476	.01	4	.90	.01	.08	1	2	80
B 57233	1	1	2	1	.1	1	1	73	1.66	2	5	ND	9	5	1	2	2	9	.56	.048	25	11	.17	98	.01	2	.31	.01	.16	1	1	10
B 57234	1	1	2	1	.2	2	3	843	1.39	2	5	ND	1	79	1	2	2	7	10.91	.030	3	3	5.24	1685	.01	3	.25	.01	.08	1	1	20
B 57235	1	1	4	2	.2	2	3	731	1.26	2	5	ND	1	158	1	3	2	3	8.10	.015	2	6	4.20	1648	.01	2	.23	.01	.04	1	1	10
B 57236	2	2	4	3	.2	5	3	312	.80	2	5	ND	1	57	1	3	2	2	3.59	.030	4	14	2.16	1819	.01	3	.32	.01	.08	1	1	10
B 57237	1	1	4	8	.2	2	3	738	1.47	3	5	ND	1	74	1	2	2	5	13.96	.020	2	3	7.10	844	.01	5	.12	.01	.05	1	1	40
B 57238	1	1	5	1	.2	1	3	680	1.39	3	5	ND	1	106	1	2	2	5	14.36	.029	2	3	7.23	1363	.01	2	.11	.01	.06	1	1	50
B 57239	1	1	5	1	.1	3	2	229	.90	2	5	ND	3	38	1	2	2	4	3.16	.035	6	13	1.71	1703	.01	4	.26	.01	.11	1	2	20
B 57240	1	2	2	1	.1	4	3	323	.94	2	5	ND	1	52	1	3	2	4	4.68	.029	3	12	2.59	1839	.01	2	.31	.01	.08	1	1	30
B 57241	1	1	2	1	.3	1	3	665	1.25	2	5	ND	1	75	1	2	2	5	14.07	.020	2	1	7.30	1270	.01	4	.11	.01	.05	1	2	10
B 57242	1	1	2	3	.2	3	3	499	1.09	2	5	ND	1	70	1	3	3	4	9.18	.015	3	5	4.65	1634	.01	2	.12	.01	.06	1	1	20
B 57243	1	1	2	1	.1	1	2	476	1.55	3	5	ND	2	50	1	2	2	7	10.45	.027	5	5	5.16	202	.01	2	.13	.01	.08	1	1	30
B 57244	1	1	8	6	.2	1	2	576	1.46	3	5	ND	2	57	1	2	2	8	12.34	.026	5	3	6.24	218	.01	2	.12	.01	.08	1	1	10
B 57245	1	1	5	2	.2	1	4	630	1.10	2	5	ND	1	123	1	2	2	6	13.82	.016	2	1	6.98	1736	.01	4	.08	.01	.04	1	1	30
B 57246	1	1	3	1	.1	2	2	462	1.54	4	5	ND	4	48	1	3	2	9	9.23	.034	8	5	4.63	127	.01	3	.18	.01	.11	1	1	20
B 57247	1	1	7	7	.2	2	3	569	1.43	2	5	ND	3	56	1	2	2	9	11.38	.030	6	2	5.69	158	.01	3	.16	.01	.09	1	3	10
B 57248	1	1	4	3	.1	3	2	484	1.36	2	5	ND	2	52	1	2	2	7	11.17	.029	7	1	5.50	61	.01	2	.19	.01	.10	1	1	30
B 57249	1	1	2	3	.3	2	4	653	1.14	5	5	ND	1	127	1	2	2	5	17.07	.010	2	1	8.72	1627	.01	4	.05	.01	.02	1	1	90
B 57250	1	1	8	4	.2	1	3	576	1.43	4	5	ND	1	71	1	2	2	6	14.02	.021	3	2	7.27	608	.01	2	.10	.01	.06	1	2	60
B 57251	1	1	10	2	.3	1	4	636	1.21	2	5	ND	1	129	1	2	2	5	15.98	.011	2	2	8.43	1683	.01	2	.05	.01	.03	1	1	70
B 57252	1	1	6	7	.2	1	3	502	1.30	2	5	ND	2	56	1	2	2	7	12.28	.025	5	3	6.41	79	.01	3	.15	.01	.08	1	3	60
B 57253	1	1	10	2	.1	8	3	657	1.00	2	5	ND	1	65	1	2	2	8	14.56	.017	3	1	7.65	169	.01	2	.14	.01	.06	1	3	150
B 57254	1	1	2	6	.1	5	3	608	1.19	3	5	ND	1	66	1	2	4	7	15.69	.016	2	1	8.26	84	.01	3	.10	.01	.04	1	2	100
B 57255	1	1	4	6	.1	3	2	481	1.33	4	5	ND	2	56	1	3	2	8	11.21	.033	7	3	5.69	63	.01	6	.23	.01	.10	1	1	220
B 57256	1	1	7	1	.1	4	2	316	1.29	2	5	ND	4	33	1	4	2	9	5.65	.046	11	12	3.20	65	.01	2	.44	.01	.13	1	2	80
B 57257	1	1	5	1	.1	2	2	559	1.57	2	5	ND	1	63	1	2	2	7	12.69	.030	4	3	6.52	524	.01	2	.18	.01	.07	1	1	140
B 57258	1	1	4	7	.1	2	3	583	1.36	2	5	ND	1	96	1	2	2	6	13.20	.026	3	3	6.78	1152	.01	4	.18	.01	.07	1	1	380
B 57259	1	1	2	1	.1	2	3	551	1.41	3	5	ND	2	79	1	4	2	7	8.91	.029	4	7	4.55	1762	.01	3	.24	.01	.09	1	1	200
B 57260	1	1	6	7	.1	5	3	294	1.26	3	5	ND	4	31	1	3	2	9	3.46	.047	11	17	2.28	600	.01	5	.54	.01	.12	1	1	20
B 57261	1	2	3	7	.1	6	3	217	1.31	2	5	ND	4	15	1	3	2	9	2.61	.036	11	19	1.66	252	.01	5	.83	.01	.13	1	1	40
B 57262	1	1	8	14	.1	8	4	80	1.62	3	5	ND	6	6	1	2	2	10	.83	.040	15	23	1.41	107	.01	16	1.29	.01	.14	1	1	30
STD C/AU-R	17	57	36	130	6.9	67	31	965	3.92	42	24	8	37	48	20	15	18	58	.46	.093	37	55	.83	174	.07	38	1.91	.06	.14	12	490	1300

G90-16

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0647 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49915	1	52	10	3	.5	9	12	478	1.15	11	8	ND	6	38	1	3	2	5	11.02	.029	10	4	4.12	56	.01	5	.15	.01	.10	1	3	140
B 49916	1	115	2	2	.3	10	14	644	1.24	5	5	ND	3	30	1	2	2	6	9.45	.016	5	5	3.38	83	.01	5	.37	.01	.07	1	1	80
B 49917	1	3	6	4	.3	4	1	264	1.04	2	5	ND	6	14	1	2	2	7	2.41	.046	16	8	1.49	50	.01	4	.55	.01	.13	1	1	70
B 49918	1	6	5	2	.3	7	4	420	.95	2	5	ND	4	24	1	2	4	6	5.45	.041	9	7	2.42	765	.01	6	.39	.01	.13	1	1	90
B 49919	1	5	8	2	.5	10	12	403	1.08	6	5	ND	5	20	1	2	2	6	5.00	.030	6	6	2.16	1616	.01	8	.38	.01	.10	1	1	130
B 49920	1	5	5	2	.2	8	8	268	.99	4	5	ND	4	14	1	2	2	6	4.52	.031	8	8	1.45	1182	.01	12	.44	.01	.11	1	1	80
B 49921	1	4	2	2	.3	6	9	727	1.32	5	5	ND	4	48	1	2	6	6	13.46	.021	6	4	4.74	63	.01	5	.12	.01	.08	1	1	180
B 49922	1	12	8	2	.1	13	19	633	1.45	4	5	ND	3	39	1	2	2	7	10.67	.031	6	8	3.96	1829	.01	6	.16	.01	.09	1	3	460
B 49923	1	7	7	1	.5	8	14	555	1.28	5	5	ND	5	35	1	3	2	7	9.96	.032	8	5	3.54	676	.01	6	.19	.01	.11	1	1	220
B 49924	1	2	2	1	.4	2	4	938	1.30	6	8	ND	4	57	1	3	7	6	17.84	.011	4	4	6.62	1006	.01	12	.08	.01	.04	1	1	160
B 49925	1	8	4	2	.4	7	22	892	1.45	6	5	ND	3	53	1	2	2	7	15.14	.017	4	5	5.56	1176	.01	10	.12	.01	.07	1	1	210
B 49926	2	11	6	2	.2	11	27	693	1.46	6	5	ND	4	22	1	2	4	6	8.36	.029	7	6	3.07	1503	.01	7	.30	.01	.10	1	1	260
B 49927	1	6	6	3	.3	11	10	888	3.66	8	5	ND	3	2	1	2	2	17	.45	.016	6	10	1.47	366	.01	7	1.33	.01	.05	1	1	240
B 49928	3	4	9	2	.1	13	5	682	2.35	2	5	ND	3	4	1	2	2	8	.53	.027	8	12	.81	818	.01	9	.85	.01	.07	1	1	110
B 49929	1	3	7	2	.2	6	6	251	1.26	2	5	ND	2	31	1	2	2	4	.46	.015	6	9	.72	3687	.01	6	.86	.01	.08	1	1	30
B 49930	3	3	5	1	.2	11	3	212	1.39	2	5	ND	3	4	1	3	3	5	.13	.020	9	14	.72	462	.01	10	.85	.01	.08	1	1	20
B 49931	2	2	5	3	.2	9	6	587	2.61	2	5	ND	4	5	1	3	2	11	.55	.021	8	14	1.47	731	.01	10	1.66	.01	.07	1	1	60
B 49932	1	2	4	2	.1	10	3	198	2.25	2	5	ND	5	2	1	2	2	10	.40	.045	14	17	1.10	80	.01	4	1.25	.01	.11	1	1	20
B 49933	2	4	5	3	.1	10	6	616	3.08	2	5	ND	2	1	1	2	3	10	.74	.005	4	10	1.53	147	.01	4	1.63	.01	.01	2	1	70
B 49934	3	5	5	2	.2	13	5	258	2.06	3	5	ND	3	2	1	3	2	8	2.30	.006	3	11	1.39	67	.01	10	1.44	.01	.01	1	2	60
B 49935	1	2	3	1	.1	3	4	1116	1.69	6	5	ND	4	29	1	2	2	8	14.29	.022	5	8	4.52	168	.01	6	.31	.01	.06	1	1	100
B 49936	1	3	7	2	.2	4	3	1256	1.67	4	5	ND	4	41	1	2	2	7	14.70	.017	4	7	5.54	61	.01	9	.20	.01	.06	1	1	50
B 49937	1	3	6	1	.1	2	3	1359	1.57	2	5	ND	2	46	1	2	3	6	16.21	.011	3	4	6.13	61	.01	8	.11	.01	.04	1	4	40
B 49938	1	1	7	3	.1	1	3	1325	1.54	4	5	ND	2	44	1	2	4	5	17.08	.009	3	3	6.65	43	.01	4	.08	.01	.03	1	1	20
B 49939	1	2	5	6	.1	1	5	1580	1.76	5	5	ND	2	31	1	2	2	6	17.70	.010	2	2	6.51	249	.01	11	.08	.01	.03	1	1	70
B 49940	1	3	4	2	.2	3	3	564	1.12	3	5	ND	2	7	1	2	2	4	4.41	.008	4	4	1.79	139	.01	7	.59	.01	.05	1	1	20
B 49941	1	2	4	3	.1	5	3	166	1.45	3	5	ND	3	2	1	2	2	7	1.18	.019	9	10	1.19	81	.01	3	1.12	.01	.07	1	1	20
B 49942	1	1	4	3	.2	3	3	1539	1.70	4	5	ND	4	29	1	2	4	8	15.74	.017	6	6	4.88	251	.01	12	.22	.01	.05	1	1	100
B 49943	1	1	4	2	.2	2	3	1278	1.45	6	5	ND	4	17	1	2	3	7	12.46	.018	7	4	3.50	331	.01	17	.39	.01	.05	1	1	230
B 49944	1	3	6	3	.1	6	5	202	1.89	2	5	ND	3	2	1	3	2	10	.61	.021	10	12	1.41	79	.01	20	1.56	.01	.06	1	1	30
B 49945	1	3	8	4	.1	7	4	668	2.00	2	5	ND	3	7	1	2	2	11	3.21	.036	9	14	1.98	226	.01	7	1.13	.01	.08	1	1	50
B 49946	1	3	4	3	.1	7	4	341	1.77	2	5	ND	1	3	1	2	2	7	1.70	.014	6	7	1.20	107	.01	9	1.29	.01	.03	1	1	40
B 49947	1	2	8	3	.1	5	4	290	1.92	2	5	ND	2	3	1	2	2	8	.38	.021	8	11	1.24	109	.01	10	1.52	.01	.07	1	1	30
B 49948	1	2	10	5	.1	8	5	502	2.26	2	5	ND	2	3	1	3	2	11	1.33	.017	6	11	1.85	139	.01	9	1.81	.01	.03	1	1	40
B 49949	1	2	7	2	.1	4	2	219	1.37	2	5	ND	4	5	1	2	2	9	1.47	.031	13	14	.92	98	.01	4	.90	.01	.07	1	1	20
B 49950	1	3	4	3	.1	4	4	305	1.52	2	5	ND	2	4	1	2	2	7	1.29	.026	6	8	1.43	102	.01	8	1.28	.01	.04	1	1	30
STD C/AU-R	17	57	40	132	7.1	67	30	1043	3.76	45	18	6	37	47	18	15	20	57	.50	.095	37	55	.93	176	.06	38	1.90	.06	.13	12	490	1300

G90-17

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 13 1990 DATE REPORT MAILED: March 16/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49951	2	5	2	1	.1	9	3	600	1.29	2	5	ND	1	1	1	2	2	6	1.35	.003	2	13	.73	178	.01	2	.84	.01	.01	1	3	50
B 49952	1	2	2	1	.1	6	4	118	1.48	2	5	ND	3	3	1	3	2	8	.44	.025	10	17	1.30	62	.01	12	1.46	.01	.07	1	1	10
B 49953	1	1	2	1	.1	6	5	121	1.64	2	5	ND	2	3	1	3	2	9	.43	.028	7	18	1.53	50	.01	7	1.61	.01	.05	1	1	10
B 49954	1	1	5	5	.1	5	4	706	2.24	3	5	ND	3	8	1	4	2	12	4.49	.045	10	17	2.38	275	.01	3	1.07	.01	.09	1	2	130
B 49955	1	1	11	6	.1	7	3	250	2.40	2	5	ND	7	6	1	3	2	18	.96	.034	15	24	.95	176	.01	5	1.18	.02	.16	1	1	30
B 49956	1	1	5	1	.1	6	2	229	2.87	2	5	ND	6	7	1	2	2	22	.97	.033	14	23	.82	173	.01	5	.96	.02	.17	1	1	20
B 49957	1	1	6	2	.1	4	4	1303	2.12	3	5	ND	1	19	1	3	5	12	8.04	.025	5	8	3.89	296	.01	9	.77	.01	.05	1	3	110
B 49958	1	2	2	2	.1	4	2	204	1.13	3	5	ND	1	4	1	3	2	5	5.69	.016	3	12	.69	62	.01	6	.79	.01	.04	1	1	40
B 49959	1	1	2	13	.1	5	4	175	1.91	3	5	ND	2	3	1	4	2	8	.51	.025	7	17	1.41	64	.01	8	1.53	.01	.05	1	1	20
B 49960	1	4	4	3	.1	6	3	113	1.86	2	5	ND	2	2	1	4	2	7	.09	.017	6	14	1.22	46	.01	12	1.46	.01	.05	1	2	10
B 49961	1	1	4	4	.1	9	4	153	2.11	3	5	ND	3	2	1	2	3	10	.19	.017	7	17	1.19	65	.01	17	1.41	.01	.05	1	1	10
B 49962	1	1	6	8	.1	6	5	430	2.48	2	5	ND	3	8	1	3	2	12	1.95	.030	11	17	1.84	103	.01	2	1.52	.01	.07	1	1	20
B 49963	1	2	83	20	.3	7	5	1089	2.99	2	5	ND	7	16	1	6	2	16	5.35	.028	10	17	3.39	123	.01	4	1.33	.01	.05	1	1	130
B 49964	1	1	54	12	.1	4	1	232	2.16	2	5	ND	7	5	1	2	2	15	.98	.038	13	16	.54	167	.01	2	.49	.01	.12	1	1	60
B 49965	1	1	43	18	.2	3	3	1409	1.85	2	5	ND	1	32	1	2	2	8	13.96	.016	3	2	5.91	212	.01	6	.24	.01	.03	1	1	130
B 49966	1	2	99	29	.2	3	3	1445	1.79	3	5	ND	1	26	1	2	2	8	14.00	.016	3	2	4.98	299	.01	4	.19	.01	.05	1	1	190
B 49967	1	1	30	8	.1	4	1	593	.83	2	5	ND	1	15	1	4	2	3	4.61	.016	4	8	2.04	100	.01	2	.16	.01	.05	1	1	40
B 49968	1	2	12	9	.1	5	2	501	.98	3	5	ND	2	10	1	5	2	4	4.48	.021	7	15	1.78	166	.01	5	.28	.01	.05	1	1	50
B 49969	1	1	20	9	.1	4	3	325	1.43	2	5	ND	2	10	1	4	2	8	2.80	.022	6	15	1.79	83	.01	14	1.07	.01	.04	1	1	30
B 49970	1	1	6	6	.1	3	2	580	1.32	4	5	ND	1	21	1	3	2	6	8.03	.028	5	7	3.75	114	.01	2	.35	.01	.05	1	1	40
B 49971	1	1	3	1	.1	3	2	613	1.67	3	5	ND	2	20	1	3	2	9	8.27	.018	5	9	3.80	119	.01	2	.46	.01	.04	1	1	30
B 49972	1	2	2	5	.1	4	2	340	1.50	2	5	ND	3	12	1	4	2	8	4.45	.039	10	15	2.35	119	.01	2	.60	.01	.06	1	1	30
B 49973	1	1	5	9	.1	3	2	554	1.75	3	5	ND	4	25	1	2	2	10	9.67	.027	7	6	4.85	102	.01	3	.32	.01	.07	1	1	40
B 49974	1	1	2	7	.1	3	2	519	1.34	4	5	ND	3	27	1	2	2	8	10.81	.026	5	6	5.35	74	.01	4	.33	.01	.04	1	1	30
STD C/AU-R	18	58	37	131	6.8	66	29	930	3.97	38	24	7	37	47	19	16	21	57	.45	.098	37	53	.80	174	.06	35	1.79	.06	.14	13	480	1300

G90-17

[redacted] ACME [redacted] LABORATORIES LTD. [redacted] E. HASTINGS ST. [redacted] COUVER B.C. [redacted] V6A [redacted] PHONE [redacted] 253-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0645

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49975	1	1	4	1	.1	3	2	446	1.83	2	5	ND	3	26	1	2	2	10	10.24	.030	7	9	5.26	78	.01	2	.26	.03	.08	1	1	20
B 49976	1	1	2	5	.2	3	2	458	2.11	2	5	ND	3	28	1	2	2	10	10.94	.026	6	7	5.59	75	.01	3	.24	.03	.07	1	2	50
B 49977	1	1	2	2	.1	1	3	751	1.55	2	5	ND	2	36	1	2	2	8	16.68	.017	4	4	9.02	50	.01	3	.21	.01	.03	1	1	40
B 49978	1	1	2	1	.1	2	2	445	1.13	2	5	ND	1	27	1	9	2	6	8.71	.017	3	6	4.35	48	.01	4	.33	.01	.04	1	2	30
B 49979	1	1	2	7	.1	3	2	540	1.72	2	5	ND	3	30	1	2	3	11	11.73	.028	6	6	6.23	49	.01	2	.25	.02	.07	1	1	10
B 49980	1	1	2	1	.1	3	2	267	1.67	2	5	ND	8	22	1	12	2	12	5.16	.043	12	16	2.78	87	.01	3	.46	.03	.13	1	1	10
B 49981	1	1	3	2	.1	2	2	539	1.56	2	5	ND	4	30	1	3	2	9	12.22	.029	6	6	6.27	58	.01	2	.27	.02	.08	1	1	20
B 49982	1	1	7	5	.1	2	3	644	1.31	2	5	ND	1	34	1	2	2	7	16.95	.011	2	2	9.27	30	.01	2	.17	.01	.03	1	1	20
B 49983	1	1	2	1	.2	1	3	719	1.21	2	5	ND	1	46	1	2	2	5	17.14	.011	2	2	9.31	25	.01	9	.14	.01	.01	1	1	30
B 49984	1	1	2	1	.2	1	3	606	1.47	2	5	ND	1	30	1	2	2	7	14.16	.021	3	4	7.52	30	.01	2	.24	.01	.05	1	2	20
B 49985	1	1	5	3	.1	3	3	693	1.41	2	5	ND	1	38	1	2	2	6	16.88	.015	3	4	9.17	25	.01	2	.18	.01	.04	1	1	10
B 49986	1	1	2	1	.1	3	2	659	1.12	2	5	ND	1	38	1	2	2	5	14.79	.008	2	2	7.81	26	.01	4	.21	.01	.01	2	1	60
B 49987	1	1	2	2	.1	1	2	425	1.60	2	5	ND	3	28	1	2	2	9	11.06	.032	7	7	5.81	59	.01	2	.27	.01	.11	1	1	10
B 49988	1	1	2	5	.1	1	2	573	1.20	2	5	ND	2	34	1	2	2	7	13.09	.027	5	5	6.82	50	.01	2	.22	.01	.08	1	1	30
B 49989	1	1	2	1	.1	4	2	583	1.23	2	5	ND	3	31	1	2	2	8	11.77	.030	6	4	6.13	60	.01	2	.29	.01	.10	1	2	40
B 49990	1	1	2	9	.2	4	3	625	1.44	2	5	ND	2	38	1	2	2	8	15.29	.021	4	4	8.11	36	.01	3	.25	.01	.06	1	1	130
STD C/AU-R	17	57	38	130	7.0	67	30	959	3.99	39	23	7	36	47	19	19	22	57	.46	.099	36	54	.86	174	.07	34	1.86	.06	.13	11	480	1400

G90-17

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 13 1990 **DATE REPORT MAILED:** March 19/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME [redacted] LABORATORIES LTD. [redacted] E. HASTING[redacted]T. [redacted] UV[redacted]B.C [redacted]6A [redacted] [redacted]ONE [redacted])25[redacted]58 [redacted](6[redacted]53-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0548 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49320	2	21	3	17	.3	22	10	2195	4.46	10	5	ND	5	13	1	3	2	15	2.54	.051	18	18	2.25	468	.01	13	1.64	.01	.19	2	1	100
B 49321	1	4	13	7	.1	10	4	715	2.02	3	5	ND	4	48	1	2	2	9	6.65	.040	11	10	3.94	81	.01	8	1.09	.01	.25	1	4	40
B 49322	1	2	7	10	.1	9	10	651	1.68	5	5	ND	3	51	1	2	2	6	6.87	.031	6	8	3.59	108	.01	5	.59	.01	.21	1	2	100
B 49323	1	2	6	6	.2	4	7	810	1.79	5	5	ND	3	67	1	2	2	5	9.70	.028	6	4	4.72	42	.01	3	.45	.01	.20	1	2	120
B 49324	1	5	9	12	.1	17	12	697	2.53	3	5	ND	3	54	1	4	2	12	5.49	.033	5	12	3.82	72	.01	7	1.49	.01	.28	2	6	110
B 49325	1	3	9	6	.1	5	9	710	1.64	5	5	ND	3	65	1	2	2	6	8.43	.031	7	5	4.15	43	.01	5	.46	.01	.23	2	1	150
B 49326	1	1	5	6	.1	8	5	639	1.63	6	5	ND	4	52	1	2	2	7	6.41	.038	11	8	3.32	226	.01	5	.65	.01	.25	1	4	80
B 49327	1	1	2	7	.2	8	2	754	1.76	2	5	ND	4	60	1	2	2	6	7.62	.028	10	7	4.02	91	.01	4	.66	.01	.20	3	2	30
B 49328	1	2	6	6	.2	9	4	773	1.77	6	5	ND	4	44	1	2	2	7	7.18	.033	16	10	3.52	75	.01	10	.60	.01	.24	1	4	60
B 57263	1	3	15	20	.9	61	28	601	10.79	2	5	ND	1	20	1	6	2	47	2.20	.118	8	26	4.00	52	.06	2	4.14	.01	.29	1	2	40
B 57264	1	2	7	7	.2	8	9	1779	3.25	3	5	ND	2	70	1	3	2	9	8.02	.031	16	9	3.52	153	.01	4	.50	.01	.23	2	3	30
B 57265	1	1	12	20	.6	49	32	556	9.63	5	5	ND	1	13	1	9	2	40	1.79	.131	12	24	4.04	113	.02	2	4.48	.01	.19	1	1	40
B 57266	1	32	8	9	.4	18	14	1213	4.18	5	5	ND	2	32	1	4	2	17	3.75	.053	10	18	2.86	176	.01	5	1.62	.01	.21	1	2	20
B 57267	1	4	5	18	.5	42	28	644	6.74	3	5	ND	1	19	1	5	2	27	2.36	.082	13	19	3.26	100	.02	5	3.00	.01	.24	1	3	20
B 57268	1	1	11	18	.4	35	28	959	6.41	5	5	ND	1	50	1	7	2	21	4.42	.109	15	16	3.62	96	.01	2	2.89	.01	.20	1	2	10
B 57269	1	6	8	15	.8	23	29	1900	7.55	3	5	ND	1	38	1	8	2	24	7.76	.059	10	14	4.16	409	.01	2	2.68	.01	.07	1	1	20
B 57270	1	3	10	36	.7	47	56	250	11.59	2	5	ND	1	6	1	4	2	63	.42	.094	19	25	5.22	22	.02	2	6.11	.01	.01	1	1	5
B 57271	1	3	13	31	.6	42	49	200	11.42	3	5	ND	1	6	1	10	2	62	.31	.073	12	25	4.53	17	.03	2	5.29	.01	.02	1	1	5
B 57272	1	8	17	30	.7	49	53	327	11.77	5	5	ND	1	16	1	10	2	55	1.03	.087	13	27	5.20	29	.01	2	6.06	.01	.09	2	1	10
B 57273	1	4	7	17	.6	29	29	935	6.66	3	5	ND	1	25	1	7	2	29	3.51	.047	8	17	3.77	43	.01	2	2.86	.01	.09	1	1	20
B 57274	1	2	24	31	.8	49	47	464	10.88	2	5	ND	1	30	1	5	2	44	2.23	.090	14	23	4.70	25	.02	3	5.02	.01	.11	1	2	5
B 57275	1	202	2	28	.6	36	45	679	9.02	2	5	ND	1	32	1	7	2	27	3.85	.078	12	21	3.56	57	.01	3	3.24	.01	.14	1	1	10
B 57276	1	199	14	28	.8	46	40	578	9.75	2	5	ND	1	35	1	5	2	30	3.40	.080	10	22	3.58	319	.01	3	3.29	.01	.11	1	3	10
B 57277	1	34	3	40	.5	46	43	326	10.63	2	5	ND	1	20	1	5	2	38	1.69	.083	11	23	4.13	31	.01	2	4.52	.01	.10	1	1	5
B 57278	1	100	17	46	.7	43	47	646	10.21	2	5	ND	1	28	1	8	2	41	3.40	.078	11	25	4.50	82	.01	2	4.96	.01	.07	1	2	10
B 57279	1	22	14	32	.5	42	34	562	8.12	2	5	ND	1	40	1	8	2	25	3.42	.075	10	21	3.17	56	.01	3	2.65	.01	.12	1	1	5
B 57280	1	127	9	50	.7	36	41	724	8.25	2	5	ND	1	59	1	8	2	33	4.84	.048	5	19	4.02	49	.01	2	2.99	.01	.04	1	1	10
B 57281	1	44	13	43	.6	48	41	554	9.79	2	5	ND	1	48	1	7	2	36	3.65	.079	8	24	3.74	24	.01	2	3.14	.01	.10	1	1	5
B 57282	1	19	14	57	.6	47	38	601	9.63	2	5	ND	1	42	1	8	2	32	3.23	.077	8	27	3.45	33	.01	2	3.00	.01	.12	1	1	5
B 57283	1	41	11	74	.7	44	40	944	8.81	2	5	ND	1	54	1	6	2	19	4.38	.074	7	26	2.98	61	.01	4	2.24	.01	.15	1	2	5
B 57284	1	12	3	52	.5	42	33	854	8.21	2	5	ND	1	46	1	6	2	16	3.69	.078	10	24	2.67	39	.01	3	2.02	.01	.15	1	1	5
B 57285	1	43	5	34	.5	38	30	1167	7.17	2	5	ND	1	53	1	5	2	13	5.71	.070	8	17	2.54	114	.01	3	1.45	.01	.17	1	2	10
B 57286	1	36	2	39	.6	46	36	862	8.85	2	5	ND	1	28	1	3	2	18	3.48	.083	11	23	2.78	122	.01	2	2.18	.01	.16	1	1	20
B 57287	1	58	2	24	.3	36	19	983	5.37	3	5	ND	1	31	1	6	2	17	4.72	.086	10	13	3.30	137	.01	2	1.86	.01	.22	2	3	10
B 57288	1	11	3	6	.1	16	4	615	1.49	2	5	ND	1	22	1	2	2	7	3.72	.065	11	10	1.91	83	.01	2	.55	.01	.22	1	1	10
B 57289	1	2	2	4	.1	7	4	1054	1.73	2	5	ND	3	42	1	2	2	5	7.26	.036	16	9	3.10	85	.01	2	.21	.01	.14	1	1	5
STD C/AU-R	17	58	43	128	7.3	66	31	964	3.92	42	23	8	36	47	19	15	18	58	.48	.093	36	55	.85	174	.07	38	1.86	.06	.14	11	530	1300

G90-18

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 2 1990 DATE REPORT MAILED: March 8/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57290	1	1	2	13	.1	2	1	173	.46	2	5	ND	9	14	1	2	2	4	2.18	.061	46	12	.69	19	.01	9	.41	.01	.23	1	1	5
B 57291	1	2	2	9	.1	5	2	596	1.24	2	5	ND	5	33	1	2	2	6	5.63	.044	26	11	2.47	62	.01	9	.27	.01	.17	1	1	5
B 57292	1	1	5	12	.1	9	3	802	1.73	6	5	ND	4	34	1	3	2	8	7.75	.042	16	11	3.46	84	.01	5	.28	.01	.17	1	1	10
B 57293	1	1	6	3	.1	3	2	482	.79	2	5	ND	6	25	1	2	2	4	3.48	.045	31	10	1.68	31	.01	2	.31	.01	.21	1	2	5
B 57294	1	2	3	9	.2	8	3	833	1.66	4	5	ND	4	50	1	3	2	6	8.74	.029	16	8	3.91	43	.01	3	.25	.01	.17	2	6	10
B 57295	1	1	2	7	.1	2	3	870	1.12	2	5	ND	6	46	1	2	2	3	5.97	.043	26	8	2.96	20	.01	3	.26	.01	.17	1	1	20
B 57296	1	2	2	5	.1	4	2	345	.71	2	5	ND	6	19	1	2	2	8	2.61	.063	34	14	1.29	26	.01	6	.45	.01	.28	1	3	5
B 57297	1	6	6	10	.1	8	3	597	1.51	2	5	ND	5	23	1	3	2	7	4.47	.053	28	10	2.26	90	.01	7	.38	.01	.20	1	1	10
B 57298	2	3	6	8	.1	7	1	304	.87	4	5	ND	6	9	1	2	2	5	2.04	.045	27	15	1.03	60	.01	9	.38	.01	.22	1	3	5
B 57299	1	2	2	4	.1	10	3	351	1.93	4	5	ND	8	12	1	2	2	9	2.12	.057	34	13	1.24	50	.01	6	.53	.01	.22	1	1	5
B 57300	1	3	5	10	.1	12	4	361	3.99	3	5	ND	6	12	1	2	2	16	2.00	.079	33	20	1.40	70	.04	3	.78	.01	.22	1	1	10
B 57301	1	1	2	4	.1	8	4	658	2.81	5	5	ND	5	21	1	2	2	12	3.86	.060	32	14	2.03	84	.02	2	.52	.01	.21	1	5	5
B 57302	1	2	6	9	.3	6	4	1283	2.68	2	5	ND	1	53	1	5	2	25	8.66	.189	15	8	3.58	134	.01	3	.59	.01	.37	1	1	10
B 57303	1	1	3	9	.1	4	3	1051	2.09	4	5	ND	1	53	1	4	2	20	7.67	.226	16	7	3.26	101	.01	2	.49	.01	.29	1	2	10
B 57304	1	1	7	6	.3	9	6	1059	3.93	4	5	ND	1	41	1	4	2	23	6.18	.230	11	12	2.79	161	.02	5	.70	.01	.32	1	2	5
B 57305	1	6	5	5	.4	20	14	1567	7.79	3	5	ND	1	30	1	2	2	24	2.30	.265	17	17	1.20	337	.03	7	.77	.01	.28	1	4	10
B 57306	1	1	4	5	.4	19	13	1571	6.99	2	5	ND	1	37	1	2	2	24	4.18	.259	22	16	1.74	364	.02	2	.78	.01	.27	1	1	5
B 57307	1	1	2	5	.4	19	23	1500	9.74	7	5	ND	1	26	1	5	2	34	1.32	.251	27	24	1.40	360	.04	2	1.28	.01	.23	1	4	20
B 57308	1	4	2	4	.5	18	27	1446	9.73	3	5	ND	1	30	1	4	3	33	1.33	.250	20	24	1.40	384	.04	3	1.41	.01	.24	1	2	30
B 57309	1	4	10	3	.4	17	30	1409	10.69	4	5	ND	1	29	1	5	2	36	1.24	.260	31	24	1.77	373	.04	3	1.76	.01	.21	1	5	40
B 57310	1	6	8	12	.6	18	32	942	10.81	7	5	ND	1	25	1	7	2	43	1.32	.245	17	25	2.34	267	.05	2	2.42	.01	.20	1	2	20
B 57311	1	3	4	2	.3	15	20	806	7.40	5	5	ND	1	25	1	5	2	35	2.36	.251	23	20	2.04	216	.04	3	1.86	.01	.21	1	2	10
B 57312	1	3	8	11	.5	21	40	280	10.91	6	5	ND	1	22	1	11	2	57	.71	.245	13	26	3.86	57	.05	2	4.07	.01	.10	1	2	5
B 57313	1	2	6	8	.6	16	35	461	11.06	2	5	ND	1	24	1	9	2	58	1.32	.240	22	27	3.53	109	.06	2	3.62	.01	.13	1	3	10
B 57314	1	17	8	15	.4	19	39	295	11.19	2	5	ND	1	25	1	8	2	61	.79	.215	15	27	3.76	63	.06	5	4.01	.01	.12	1	4	10
B 57315	1	5	9	10	.4	15	33	248	10.71	2	5	ND	1	26	1	7	2	58	.68	.227	6	24	3.33	60	.07	2	3.51	.01	.09	1	1	5
B 57316	1	7	5	7	.6	18	35	266	11.74	4	5	ND	1	29	1	9	2	63	.71	.230	9	27	3.39	165	.08	2	3.69	.01	.13	1	1	5
B 57317	1	2	10	6	.3	18	30	394	9.42	2	5	ND	1	22	1	7	2	53	1.02	.229	21	22	3.08	85	.06	2	3.18	.01	.14	1	3	10
B 57318	1	2	6	10	.6	20	39	316	10.82	5	5	ND	1	23	1	9	2	61	.76	.242	15	25	3.80	62	.06	2	4.03	.01	.12	1	1	5
B 57319	1	4	14	15	.5	21	39	380	10.91	2	5	ND	1	24	1	11	2	65	1.36	.214	21	25	3.99	61	.06	2	4.20	.01	.18	1	1	10
B 57320	1	6	10	10	.2	18	38	324	9.84	4	5	ND	1	25	1	7	2	62	.78	.239	58	24	3.92	68	.05	2	4.09	.01	.16	1	2	5
B 57321	1	3	13	7	.4	19	41	566	11.39	4	5	ND	1	27	1	8	2	66	.92	.241	9	25	3.99	150	.06	2	4.27	.01	.14	1	1	10
B 57322	1	2	12	11	.5	19	45	326	10.19	5	5	ND	1	22	1	7	2	61	.78	.242	17	22	4.42	53	.04	4	4.68	.01	.09	1	2	5
B 57323	1	2	11	13	.4	15	43	364	9.56	5	5	ND	1	26	1	7	2	66	1.17	.249	20	23	4.50	103	.04	3	4.58	.01	.13	1	6	5
B 57324	1	2	6	11	.4	17	49	324	11.65	2	5	ND	1	19	1	7	2	80	.62	.227	48	21	4.88	115	.05	2	5.14	.01	.08	1	3	5
B 57325	1	3	10	9	.5	21	46	312	11.25	5	5	ND	1	21	1	10	2	64	.81	.255	29	19	4.53	128	.05	2	4.80	.01	.12	1	4	10
STD C/AU-R	18	58	38	130	7.2	68	31	946	4.13	42	22	8	36	47	19	16	20	57	.48	.094	36	58	.85	173	.06	40	1.97	.06	.14	11	505	1400

G90-18

G90-18

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57326	2	6	2	2	.8	8	18	2645	9.05	2	5	ND	1	42	1	9	6	33	5.65	.065	14	24	1.78	2211	.03	2	.75	.01	.15	1	1	130
B 57327	1	3	8	8	.6	19	29	306	9.14	2	5	ND	1	19	1	12	2	55	1.22	.215	24	28	3.10	96	.08	3	3.15	.01	.32	1	2	10
B 57328	1	5	16	8	.6	18	29	460	9.08	2	5	ND	1	28	1	12	2	56	2.19	.220	28	28	3.30	104	.08	3	3.11	.02	.31	1	5	20

ACME ANA[redacted]CAL LABORATORIES LTD. 852 E. HASTINGS ST. V[redacted]OUVER B.C. [redacted]V6A 1R[redacted] PHONE([redacted])25[redacted]158 FAX([redacted]53-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0555

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57329	1	1	15	90	.2	22	16	464	10.00	2	5	ND	1	19	1	2	2	55	.87	.219	14	20	3.52	32	.01	2	3.38	.01	.06	1	1	10
B 57330	1	1	17	101	.3	22	22	510	11.49	2	5	ND	1	23	1	3	2	51	1.02	.287	17	23	3.88	47	.01	3	3.84	.01	.10	1	2	30
B 57331	1	2	20	83	.2	21	19	463	10.48	2	5	ND	1	29	1	2	2	49	1.21	.240	18	23	3.08	39	.01	3	3.00	.01	.11	1	1	10
B 57332	1	5	11	60	.2	24	27	549	10.26	10	5	ND	1	49	1	4	4	42	2.28	.277	26	25	2.36	128	.01	2	2.40	.01	.13	1	3	20
B 57333	1	19	11	77	.1	25	29	464	10.06	8	5	ND	1	22	1	3	2	39	1.09	.269	23	22	2.48	63	.03	3	2.57	.01	.19	1	1	10
B 57334	1	23	13	90	.2	23	27	521	11.07	6	5	ND	1	19	1	6	2	57	.95	.270	21	29	2.53	76	.05	2	2.67	.02	.14	1	2	40
B 57335	1	14	15	92	.1	24	27	561	10.67	3	5	ND	1	24	1	4	2	47	1.17	.256	22	26	2.28	71	.06	2	2.46	.02	.14	1	1	10
B 57336	1	22	9	95	.2	25	26	630	11.19	8	5	ND	1	16	1	2	2	49	.86	.264	25	28	2.18	71	.09	3	2.37	.02	.12	1	1	20
B 57337	1	7	11	104	.2	23	30	753	10.94	7	5	ND	1	25	1	3	2	42	1.20	.260	24	28	2.25	61	.11	2	2.44	.02	.16	1	1	10
B 57338	1	12	13	101	.1	22	29	751	10.10	7	5	ND	1	16	1	2	3	39	.82	.251	26	24	2.14	55	.08	2	2.25	.01	.09	1	2	10
B 57339	1	9	9	103	.3	26	30	794	11.00	7	5	ND	1	17	1	3	2	41	.83	.254	24	28	2.29	72	.11	3	2.42	.02	.15	1	1	20
B 57340	1	6	24	92	.2	23	27	643	11.02	5	5	ND	1	25	1	2	2	47	1.18	.262	25	27	2.28	251	.10	2	2.41	.01	.13	2	1	20
B 57341	1	6	8	103	.1	24	25	653	11.41	8	5	ND	1	14	1	3	2	52	.75	.257	27	28	2.49	51	.10	2	2.66	.02	.09	1	1	10
B 57342	1	15	11	98	.1	24	27	675	10.95	6	5	ND	1	14	1	2	2	42	.76	.264	26	26	2.34	62	.07	2	2.56	.01	.08	1	1	10
B 57343	1	7	17	88	.2	26	28	632	11.35	5	5	ND	1	24	1	2	2	43	1.15	.258	29	27	2.16	122	.11	3	2.52	.02	.21	1	1	5
B 57344	1	15	9	102	.2	23	22	1246	10.68	3	5	ND	1	14	1	2	2	44	.73	.261	31	26	2.25	97	.08	3	2.52	.01	.08	2	1	20
B 57345	1	27	24	115	.2	24	26	720	11.43	7	5	ND	1	15	1	3	2	42	.78	.280	29	30	2.58	69	.09	3	2.82	.02	.12	1	2	5
B 57346	1	38	19	82	.1	17	18	519	6.76	6	5	ND	1	39	1	2	2	31	.96	.257	25	20	1.75	48	.14	4	2.05	.01	.12	2	1	5
B 57347	1	17	11	124	.3	24	31	830	11.99	6	5	ND	1	15	1	2	2	55	.82	.257	32	28	2.62	78	.14	6	2.92	.02	.10	1	1	5
B 57348	1	17	10	127	.1	24	34	942	11.74	8	5	ND	1	13	1	2	2	53	.75	.259	32	29	2.67	105	.12	2	2.95	.02	.06	2	1	10
B 57349	1	26	8	114	.1	24	32	923	10.87	10	5	ND	1	17	1	4	2	38	.87	.271	29	29	2.53	188	.09	2	2.78	.01	.07	1	1	5
B 57350	1	16	23	129	.3	20	29	834	11.73	6	5	ND	1	13	1	2	2	48	.75	.264	30	26	2.67	57	.11	2	2.99	.01	.05	1	1	5
STD C/AU-R	18	58	42	132	7.3	68	31	963	3.97	44	23	8	36	47	19	15	21	59	.48	.095	37	57	.87	175	.07	38	1.92	.06	.14	11	530	1300

G90-19

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
-, SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 5 1990 **DATE REPORT MAILED:** March 8/90 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57551	1	37	2	141	.4	25	36	833	12.83	5	5	ND	1	19	1	4	2	54	.90	.241	33	34	2.57	325	.17	2	3.23	.04	.10	2	2	20
B 57552	1	28	11	128	.4	27	32	791	11.74	2	5	ND	1	49	1	3	2	53	1.89	.229	35	35	2.16	719	.14	2	2.73	.03	.12	1	1	20
B 57553	1	28	13	124	.2	25	32	783	11.67	4	5	ND	1	34	1	4	3	53	1.55	.228	36	35	2.05	145	.14	2	2.60	.04	.14	1	1	10
B 57554	1	34	9	112	.3	25	34	820	12.16	5	5	ND	1	34	1	3	2	51	1.24	.237	38	34	2.08	377	.11	2	2.62	.04	.22	1	3	10
B 57555	1	20	7	87	.4	25	33	774	12.27	9	5	ND	1	51	1	5	3	48	1.88	.251	31	34	2.32	579	.06	2	2.98	.03	.24	2	4	20
B 57556	1	30	17	134	.4	27	31	796	12.00	2	5	ND	1	14	1	2	2	74	.72	.283	22	31	4.62	89	.03	4	5.87	.01	.16	1	1	10
B 57557	1	6	2	137	.3	26	30	733	11.70	2	5	ND	1	13	1	2	2	76	.64	.255	19	28	4.88	62	.04	2	5.88	.01	.24	1	1	20
B 57558	1	18	16	160	1.3	35	29	10699	14.16	14	5	ND	1	8	2	4	2	78	.25	.050	28	18	4.95	748	.01	2	6.34	.01	.02	3	17	70
B 57559	1	3	6	103	.2	24	25	736	8.62	2	5	ND	1	10	1	4	4	54	.43	.167	13	24	3.53	65	.02	2	4.05	.01	.09	1	2	20
B 57560	1	5	4	84	.2	24	32	708	12.76	4	5	ND	1	26	1	6	2	45	1.10	.268	33	31	2.44	337	.03	2	3.20	.03	.20	1	2	40
B 57561	1	20	2	103	.4	25	33	654	13.21	4	5	ND	1	18	1	2	3	49	.85	.274	31	30	2.68	134	.04	2	3.67	.02	.25	1	1	30
B 57562	1	6	7	98	.4	25	44	565	13.45	5	5	ND	1	20	1	5	2	53	.89	.263	49	34	2.70	102	.05	2	3.51	.02	.24	1	1	30
B 57563	1	6	3	78	.5	23	33	608	12.22	9	5	ND	1	52	1	6	2	44	2.36	.249	31	32	2.29	149	.06	2	2.88	.03	.32	1	1	20
B 57564	1	31	4	85	.3	23	33	699	12.26	5	5	ND	1	68	1	2	2	39	2.81	.244	26	31	2.37	837	.05	2	2.95	.02	.22	1	3	40
B 57565	1	24	10	76	.4	25	34	604	12.66	6	5	ND	1	55	1	3	2	40	2.09	.249	27	32	2.20	498	.05	2	2.76	.02	.28	1	2	30
B 57566	1	34	10	98	.3	25	31	777	12.48	5	5	ND	1	51	1	2	2	44	2.01	.252	28	31	2.42	575	.05	2	2.98	.03	.23	1	1	50
B 57567	1	21	2	90	.3	24	27	735	11.76	6	5	ND	1	49	1	2	3	41	1.88	.248	27	34	2.01	318	.05	2	2.49	.03	.31	2	4	20
B 57568	1	21	2	100	.3	24	31	800	12.49	9	5	ND	1	35	1	5	6	42	1.41	.257	27	35	2.11	777	.04	2	2.70	.03	.23	1	1	30
B 57569	1	57	15	95	.2	23	33	707	12.32	15	5	ND	1	19	1	4	2	43	.88	.261	27	33	2.16	146	.03	2	2.73	.03	.21	1	1	80
B 57570	1	28	3	85	.5	23	30	801	12.36	3	5	ND	1	71	1	7	2	39	2.79	.254	31	32	2.40	562	.02	2	3.04	.03	.18	1	1	40
B 57571	1	56	15	79	.3	24	25	874	9.73	4	5	ND	1	114	1	6	2	42	4.53	.251	26	27	3.14	880	.02	2	3.66	.01	.17	1	2	50
B 57572	1	6	18	89	.3	20	24	680	7.71	2	5	ND	1	76	1	4	2	51	2.73	.277	21	20	4.37	236	.06	2	4.64	.01	.39	1	1	10
B 57573	1	4	9	68	.1	15	16	539	5.77	2	5	ND	3	48	1	2	3	24	1.61	.048	20	30	3.43	50	.03	3	3.37	.01	.23	1	2	5
B 57574	1	6	4	31	.1	12	11	229	3.04	2	5	ND	4	8	1	2	2	10	.26	.030	16	18	1.74	239	.02	3	1.73	.01	.23	2	2	5
B 57575	1	2	6	28	.1	13	9	151	2.35	3	5	ND	3	3	1	2	2	9	.08	.030	17	17	1.49	45	.02	3	1.53	.01	.25	1	1	5
B 57576	1	2	8	19	.1	14	6	97	1.87	7	8	ND	6	5	1	2	2	10	.14	.054	34	17	1.03	57	.02	4	1.31	.01	.35	1	2	5
B 57577	1	1	2	35	.1	19	11	248	3.78	3	6	ND	5	25	1	2	2	11	.66	.039	26	21	2.12	62	.06	4	2.13	.01	.53	1	3	5
B 57578	1	2	8	36	.1	15	10	494	4.42	4	5	ND	4	116	1	2	2	14	2.92	.038	18	26	2.51	201	.04	2	2.39	.01	.36	1	2	10
B 57579	1	1	11	37	.2	19	11	485	7.30	3	5	ND	3	188	1	4	2	49	3.35	.090	11	32	2.60	1487	.10	3	2.58	.01	.54	1	1	20
B 57580	1	1	11	35	.1	16	10	483	5.88	5	5	ND	3	199	1	4	2	31	3.66	.067	16	23	2.68	1228	.07	7	2.60	.01	.49	1	3	5
B 57581	1	1	2	30	.2	15	10	456	6.12	8	5	ND	3	166	1	2	2	36	3.60	.081	13	24	2.72	1684	.08	2	2.38	.01	.52	1	1	20
B 57582	1	1	2	19	.1	12	8	1413	3.00	7	5	ND	4	107	1	2	2	10	9.06	.029	19	12	5.00	42	.01	2	1.22	.01	.19	1	1	5
B 57583	1	15	13	28	.4	17	14	655	7.35	2	5	ND	2	149	1	2	2	50	4.70	.097	11	31	4.03	1722	.08	2	2.74	.01	.49	1	2	5
STD C/AU-R	18	58	45	137	7.7	72	32	1027	4.15	44	21	8	35	47	20	16	21	60	.49	.092	37	58	.82	174	.07	38	1.88	.06	.14	11	515	1300

G90-169

[redacted]ORIES LTD. [redacted] 852 E. HASTINGS ST. VA[redacted] OVER B.C. V6A 1R6 [redacted] PHONE (604)[redacted]253-3[redacted] FA[redacted] [redacted]253-171[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0594 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49365	1	5	10	5	.1	11	18	467	1.63	7	5	ND	2	32	1	2	2	6	4.08	.035	6	12	2.18	52	.01	2	.60	.01	.21	1	3	90
B 49366	1	10	12	5	.2	11	16	728	2.22	6	5	ND	2	53	1	2	2	7	7.01	.030	4	10	3.45	40	.01	8	.51	.01	.16	1	1	110
B 49367	1	7	10	5	.1	17	21	615	2.23	9	5	ND	2	46	1	3	2	5	5.98	.033	4	10	3.05	80	.01	2	.54	.01	.14	1	2	150
B 49368	1	6	11	8	.2	10	23	979	2.59	9	5	ND	2	57	1	2	2	5	8.66	.032	5	8	3.96	47	.01	7	.39	.01	.13	1	1	180
B 49369	1	2	9	8	.1	9	9	815	2.15	5	5	ND	2	53	1	2	2	8	7.33	.039	6	10	3.55	30	.01	2	.59	.01	.16	1	1	40
B 49370	1	2	5	13	.2	17	10	561	2.49	4	5	ND	1	34	2	2	2	15	4.21	.044	6	17	2.72	34	.01	5	1.19	.01	.20	1	2	30
B 49371	1	8	2	24	.2	27	5	478	4.07	2	5	ND	1	25	1	3	2	26	3.04	.029	4	31	3.25	90	.01	6	2.16	.01	.10	1	1	20
B 49372	1	21	9	12	.1	13	5	429	2.19	3	5	ND	2	23	1	2	2	13	3.17	.041	8	20	2.34	50	.01	6	1.23	.01	.18	1	1	10
B 49373	1	1	6	12	.1	10	4	684	1.99	3	5	ND	2	35	1	2	2	7	5.80	.040	12	13	3.03	28	.01	2	.80	.01	.16	1	1	5
B 49374	1	1	3	14	.1	12	5	837	2.11	4	5	ND	2	55	1	3	2	5	7.21	.037	15	8	3.54	29	.01	6	.70	.01	.16	1	1	10
B 49375	1	3	2	5	.3	9	17	1163	2.74	3	5	ND	1	78	1	2	2	4	11.12	.027	4	4	4.98	22	.01	2	.30	.01	.12	1	1	150
B 49376	1	2	3	7	.1	16	12	852	2.28	8	5	ND	2	49	1	2	2	7	6.74	.038	5	11	3.24	43	.01	7	.62	.01	.17	1	1	90
B 49377	1	5	10	9	.2	22	30	876	3.34	11	5	ND	1	46	1	3	2	9	5.96	.042	4	15	3.12	47	.01	2	1.00	.01	.17	1	4	250
B 49378	1	3	8	12	.1	8	19	884	2.60	28	5	ND	1	47	1	2	2	12	5.71	.039	5	14	2.69	34	.01	2	.72	.01	.21	1	5	140
B 49379	1	6	2	73	.6	70	22	1126	11.71	6	5	ND	1	55	1	5	5	57	4.11	.080	3	35	5.62	25	.02	2	5.84	.01	.13	1	1	60
B 49380	1	2	7	32	.3	28	12	730	4.74	5	5	ND	1	35	1	4	2	22	3.63	.038	4	22	3.03	35	.01	4	2.09	.01	.15	1	1	50
B 49381	1	2	8	18	.4	9	6	1605	3.95	3	5	ND	1	69	1	2	2	8	10.01	.035	10	9	4.38	31	.01	2	.77	.01	.12	1	2	30
B 49382	1	83	2	48	.2	45	18	642	7.81	2	5	ND	1	26	1	5	2	34	2.60	.083	4	-25	3.17	57	.03	2	3.51	.01	.23	1	1	10
B 49383	1	47	8	49	.6	54	24	1408	9.50	2	5	ND	1	45	1	7	2	29	6.05	.063	4	22	4.64	48	.03	2	3.66	.01	.13	1	1	20
B 49384	1	6	2	42	.3	47	23	889	7.52	5	5	ND	1	39	1	6	2	28	3.94	.081	9	21	2.96	37	.03	2	2.48	.01	.21	1	1	10
B 49385	1	28	2	29	.3	48	29	1131	7.48	2	5	ND	1	51	1	6	2	23	5.13	.076	9	22	3.02	34	.02	2	2.04	.01	.23	1	1	10
B 49386	1	27	4	37	.4	50	37	1224	8.10	4	5	ND	1	50	1	2	2	23	5.53	.076	9	21	3.32	25	.01	2	2.33	.01	.17	1	1	5
B 49387	1	7	8	74	.4	53	39	757	8.90	4	5	ND	1	65	1	4	4	20	4.51	.076	4	27	3.17	21	.01	2	2.60	.01	.12	1	8	5
B 49388	1	7	2	61	.5	33	31	895	7.20	4	5	ND	1	119	1	4	2	17	11.90	.044	4	22	2.94	16	.01	2	1.97	.01	.04	1	1	10
B 49389	1	3	2	105	.4	49	41	511	9.61	4	5	ND	1	55	1	5	2	39	3.29	.075	6	30	3.22	23	.01	2	3.40	.03	.07	1	1	5
B 49390	1	1	2	175	.6	51	53	525	12.30	2	5	ND	1	40	1	8	2	58	2.54	.073	5	35	4.29	31	.01	2	5.60	.02	.04	1	1	10
B 49391	2	32	2	78	.7	27	27	2173	6.93	4	5	ND	1	219	1	5	2	21	15.42	.020	2	19	3.28	12	.01	2	1.95	.01	.02	1	2	40
B 49392	1	2	2	197	.7	51	50	579	12.77	2	5	ND	1	39	1	8	2	53	2.36	.074	4	33	4.56	11	.01	2	6.01	.02	.05	1	5	10
B 49393	1	4	2	160	.5	45	41	741	10.58	4	5	ND	1	53	1	6	2	60	3.37	.073	5	35	3.76	8	.01	2	4.47	.03	.04	1	1	5
B 49394	1	1	2	129	.5	52	41	1001	10.00	4	5	ND	1	56	1	6	2	45	3.21	.076	5	31	3.24	15	.02	2	3.40	.04	.06	1	1	5
B 49395	1	3	2	152	.4	50	41	992	10.32	2	5	ND	1	60	1	8	2	59	3.31	.075	6	34	3.24	17	.02	2	3.82	.05	.04	1	1	10
B 57584	1	1	9	22	.1	16	12	455	4.31	2	5	ND	2	115	1	5	2	25	3.65	.078	13	20	3.31	1212	.07	2	2.47	.01	.62	2	1	5
B 57585	2	75	3	14	.3	16	15	710	2.89	12	5	ND	2	78	1	4	2	12	5.06	.044	10	18	3.32	116	.03	2	1.48	.01	.35	1	1	80
B 57586	3	7	7	12	.1	16	14	717	2.57	7	5	ND	3	56	1	2	2	10	4.86	.045	11	18	3.38	54	.03	5	1.28	.01	.37	1	1	20
B 57587	1	2	2	25	.1	17	12	692	4.00	14	5	ND	3	94	1	2	2	16	5.40	.072	7	15	3.97	575	.05	2	2.06	.01	.45	1	5	30
B 57588	1	16	5	22	.2	15	11	618	3.94	21	5	ND	2	135	1	6	2	19	5.43	.071	7	19	3.52	543	.05	2	1.94	.01	.50	1	4	30
STD C/AU-R	18	57	42	130	8.0	69	31	1025	4.22	42	22	8	36	47	19	15	19	60	.49	.093	36	61	.83	174	.07	40	1.92	.06	.14	13	480	1300

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ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 7 1990 DATE REPORT MAILED: Mar 13/90 SIGNED BY. .D. .C. .Bapty. TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57589	1	4	2	13	.1	15	13	804	3.19	8	5	ND	2	81	1	2	2	11	6.49	.059	7	13	3.92	208	.03	2	1.45	.01	.37	3	2	30
B 57590	1	2	10	12	.1	14	12	651	2.74	11	5	ND	2	74	1	2	2	11	5.32	.062	9	12	3.43	296	.03	3	1.39	.01	.37	1	2	10
B 57591	1	3	9	14	.1	15	12	651	3.14	2	5	ND	2	67	1	2	2	14	5.31	.071	9	13	3.68	254	.03	2	1.65	.01	.46	1	1	10
B 57592	1	2	2	10	.1	16	10	726	2.42	4	5	ND	3	53	1	2	2	7	6.54	.039	10	13	3.93	54	.02	2	1.20	.01	.33	1	3	20
B 57593	1	12	12	7	.1	13	7	613	2.19	4	5	ND	2	74	1	2	2	7	5.06	.028	8	14	3.50	937	.02	12	1.16	.01	.32	1	1	10
B 57594	1	3	4	9	.1	17	11	552	2.34	6	5	ND	3	39	1	2	2	8	5.41	.044	12	16	3.85	59	.02	2	1.51	.01	.39	1	1	30
B 57595	1	8	8	9	.2	14	11	807	2.47	3	5	ND	2	57	1	2	2	6	9.34	.035	6	11	5.05	62	.01	7	.97	.01	.28	1	1	80
B 57596	1	59	6	5	.2	12	10	754	2.44	5	5	ND	2	56	1	2	2	7	9.41	.031	6	8	5.13	55	.01	8	.97	.01	.29	1	1	150
B 57597	1	14	2	13	.2	12	9	729	2.21	3	5	2	3	56	1	2	2	6	9.20	.031	7	10	5.02	49	.01	9	.93	.01	.28	1	1	70
B 57598	1	16	9	8	.2	13	7	659	2.23	4	5	ND	2	53	1	2	2	5	7.72	.030	5	10	4.41	55	.01	4	.95	.01	.26	1	2	80
B 57599	1	25	8	14	.1	14	11	535	2.14	6	5	ND	3	45	1	2	2	6	6.16	.035	7	12	3.74	45	.01	6	1.04	.01	.27	1	4	100
B 57600	1	91	5	11	.1	13	9	640	2.32	5	5	ND	2	42	1	2	2	7	6.90	.027	6	13	4.11	131	.02	2	1.01	.01	.32	1	2	50
B 57601	1	14	2	15	.1	12	4	601	1.99	2	5	ND	3	37	1	3	2	7	6.22	.032	11	15	3.82	95	.02	2	1.07	.01	.33	1	1	30
B 57602	1	19	9	15	.2	15	17	764	2.53	3	5	ND	2	49	1	2	2	6	7.70	.029	6	11	4.22	155	.01	2	.92	.01	.29	1	2	70
B 57603	1	28	11	9	.1	15	12	680	2.25	6	5	ND	3	49	1	2	2	6	7.19	.032	9	11	3.96	68	.01	21	.95	.01	.30	1	4	80
B 57604	1	49	5	9	.1	14	12	640	2.22	6	5	ND	3	43	1	2	2	7	6.46	.038	9	15	3.72	67	.02	9	1.04	.01	.34	1	1	50
B 57605	1	4	2	6	.3	13	7	736	2.21	2	5	ND	3	45	1	2	2	5	7.88	.029	11	10	4.13	42	.01	9	.84	.01	.27	1	2	30
B 57606	1	7	8	14	.2	19	11	522	2.36	3	5	ND	3	29	1	4	2	8	4.27	.039	8	16	2.95	61	.02	8	1.21	.01	.37	1	1	50
B 57607	1	17	2	18	.2	18	9	382	2.43	6	5	ND	3	29	1	3	2	9	3.02	.050	11	16	2.35	70	.03	6	1.43	.01	.41	1	1	20
B 57608	1	2	7	7	.1	14	10	520	1.99	11	5	ND	2	32	1	2	2	8	3.92	.049	11	12	2.39	57	.02	2	.93	.01	.33	1	1	20
B 57609	1	1	2	11	.1	15	8	776	2.69	5	5	ND	3	44	1	3	2	7	6.35	.036	8	14	3.57	45	.02	5	1.03	.01	.32	1	1	20
B 57610	1	9	4	13	.2	13	4	653	3.05	2	5	ND	2	43	1	3	2	13	5.40	.047	16	15	3.26	54	.03	2	1.43	.01	.37	1	1	10
B 57611	1	6	8	24	.2	18	9	239	3.50	6	5	ND	3	20	1	4	2	11	1.65	.046	10	32	2.26	61	.03	13	2.01	.01	.36	2	1	10
STD C/AU-R	18	58	38	134	8.0	71	31	1032	4.13	44	21	8	35	45	20	16	21	60	.51	.093	36	60	.83	173	.07	37	2.00	.06	.14	11	510	1400

G90-19

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0610 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49396	1	3	2	142	.4	41	36	990	8.24	18	5	ND	1	87	1	8	2	57	5.88	.056	5	28	3.19	25	.01	2	3.15	.03	.02	1	4	10
B 49397	1	8	10	141	.3	45	37	965	8.23	3	5	ND	1	61	1	8	2	51	3.24	.070	6	25	3.24	14	.01	5	3.19	.03	.04	1	1	10
B 49398	1	29	4	168	.4	43	41	1011	8.73	5	5	ND	1	63	1	10	2	62	3.38	.062	5	23	3.65	7	.01	2	3.78	.02	.02	1	1	180
B 49399	1	29	2	144	.4	41	36	987	7.68	5	5	ND	1	76	1	12	2	57	4.80	.062	4	25	3.14	6	.01	2	3.14	.03	.02	1	2	20
B 49400	1	32	2	165	.4	42	38	800	8.16	4	5	ND	1	59	1	11	2	61	3.10	.068	5	26	3.42	10	.01	7	3.73	.02	.02	1	1	30
B 49401	1	1	4	130	.3	42	32	905	6.95	9	5	ND	1	78	1	11	2	47	4.55	.064	5	25	2.81	10	.02	2	2.76	.03	.04	1	1	50
B 49402	1	14	8	185	.4	43	38	797	8.59	2	5	ND	1	62	1	12	2	55	3.82	.066	5	26	3.49	7	.01	3	3.75	.02	.03	1	1	210
B 49403	1	19	9	85	.2	31	23	719	5.46	10	5	ND	1	131	1	10	2	23	8.94	.055	5	19	1.44	60	.03	2	1.72	.01	.12	1	1	60
B 49404	2	48	6	51	.5	18	15	3081	5.63	6	5	ND	1	110	1	6	2	13	10.65	.031	2	12	3.90	24	.01	4	.90	.02	.07	3	1	140
B 49405	1	8	10	172	.5	50	39	858	8.84	2	5	ND	1	65	1	9	2	28	3.29	.075	7	27	3.31	31	.01	7	2.86	.02	.08	1	1	20
B 49406	1	48	5	134	.3	42	35	883	8.02	8	5	ND	1	83	1	9	2	22	4.10	.066	4	22	2.93	51	.01	6	2.06	.02	.07	1	2	10
B 49407	1	27	7	127	.4	44	35	1012	8.05	7	5	ND	1	88	1	8	2	17	4.08	.068	5	23	2.91	25	.01	2	2.05	.01	.09	1	1	5
B 49408	1	36	2	98	.4	40	35	1162	7.38	2	5	ND	1	94	1	11	2	13	5.13	.064	4	20	3.00	21	.01	2	1.80	.01	.10	1	1	5
B 49409	1	17	3	98	.3	42	38	1188	7.17	3	5	ND	1	90	1	9	2	14	5.67	.065	5	16	3.32	18	.01	2	2.05	.01	.10	1	1	5
B 49410	1	32	8	84	.4	38	37	1361	6.81	3	5	ND	1	87	1	9	2	14	5.92	.066	6	15	3.23	18	.01	2	1.90	.01	.11	1	1	10
B 49411	1	72	9	53	.3	33	27	1620	5.97	3	5	ND	1	86	1	9	2	12	6.15	.054	5	14	2.78	25	.01	2	1.36	.01	.12	1	1	5
B 49412	1	81	8	41	.3	33	26	1370	5.97	5	5	ND	1	73	1	9	2	15	5.72	.069	6	16	2.85	25	.01	2	1.54	.01	.17	1	2	5
B 49413	1	214	8	35	.7	26	27	3566	8.16	3	5	ND	1	111	1	5	2	19	10.06	.035	2	9	5.12	42	.01	4	1.22	.01	.11	1	1	20
B 49414	1	41	13	34	.4	37	33	1618	6.85	3	5	ND	1	86	1	10	2	17	5.53	.068	4	19	3.00	48	.01	2	1.62	.01	.16	1	2	20
B 49415	1	7	3	70	.3	25	16	1691	7.46	2	5	ND	1	48	1	9	2	27	3.30	.077	4	16	3.74	33	.01	3	3.19	.01	.18	1	1	5
B 49416	1	1	5	30	.1	6	7	809	3.87	3	5	ND	3	26	1	7	2	15	2.40	.032	14	20	2.19	33	.01	4	1.46	.01	.15	1	4	10
B 49417	1	1	8	14	.1	6	5	1337	3.70	3	5	ND	2	49	1	9	3	14	6.54	.028	9	17	3.43	22	.01	2	1.07	.01	.10	1	1	10
B 49418	1	2	3	23	.1	7	5	538	3.44	3	5	ND	3	20	1	8	2	13	.93	.033	12	23	1.68	74	.01	5	1.47	.01	.12	2	1	10
B 57612	1	17	4	5	.1	11	8	581	2.11	5	5	ND	3	36	1	8	2	6	5.72	.038	11	11	2.96	42	.02	11	.78	.01	.31	1	1	20
B 57613	1	23	5	1	.1	7	8	918	2.32	7	5	ND	3	61	1	5	2	4	10.76	.026	7	3	4.48	26	.01	19	.35	.01	.19	1	2	40
B 57614	1	25	4	1	.1	8	13	793	2.28	6	5	ND	2	52	1	8	2	5	8.34	.027	6	7	3.60	28	.01	2	.45	.01	.20	1	3	80
B 57615	1	13	5	7	.1	15	18	490	3.41	16	5	ND	1	33	1	9	5	16	3.32	.050	6	18	2.68	49	.04	2	1.43	.01	.45	1	2	40
B 57616	1	1	7	4	.1	14	7	393	3.38	7	5	ND	2	30	1	9	2	11	2.77	.040	9	18	2.09	51	.03	12	1.24	.01	.39	1	3	30
B 57617	1	1	7	9	.1	14	13	734	3.05	10	5	ND	3	43	1	10	2	8	5.45	.041	7	14	2.84	42	.02	5	.99	.01	.28	1	5	50
B 57618	2	2	13	5	.1	16	23	297	3.04	6	5	ND	2	20	1	7	3	11	1.57	.040	7	19	1.78	53	.03	4	1.32	.01	.38	1	2	40
B 57619	1	1	4	5	.1	14	14	334	2.89	6	5	ND	2	18	1	8	8	10	1.65	.040	19	17	1.72	55	.03	3	1.24	.01	.36	1	2	30
B 57620	1	68	6	23	.4	21	17	524	8.10	9	5	ND	1	45	1	11	2	29	3.16	.135	8	15	3.55	70	.07	7	3.02	.01	.55	1	2	30
B 57621	1	90	9	13	.2	13	13	840	6.37	4	5	ND	1	76	1	8	2	26	5.38	.119	9	12	3.21	60	.05	7	2.11	.01	.47	1	2	20
B 57622	1	65	5	5	.3	4	7	1468	4.30	2	5	ND	1	310	1	8	2	10	14.92	.050	4	7	3.68	622	.02	9	.67	.01	.20	1	1	30
B 57623	1	1	10	22	.3	17	20	822	8.03	8	5	ND	1	55	1	11	2	30	3.81	.122	9	17	3.48	80	.04	2	2.58	.01	.36	1	1	10
B 57624	1	2	5	27	.6	18	23	779	8.98	5	5	ND	1	63	1	10	2	31	3.42	.123	9	18	3.50	79	.02	4	2.74	.01	.23	1	1	20
STD C/AU-R	18	57	38	130	7.0	67	31	1014	3.98	44	24	7	36	47	20	18	21	59	.45	.097	38	55	.80	175	.07	39	1.76	.06	.14	12	515	1300

90-19

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 8 1990 DATE REPORT MAILED: Mar 14, 1990 SIGNED BY. D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 57625	1	3	2	22	.5	19	22	661	8.71	2	5	ND	1	46	1	10	2	30	2.51	.124	8	14	3.66	36	.01	5	3.06	.01	.20	1	4	20
B 57626	1	14	2	14	.4	12	19	1268	8.12	2	5	ND	1	76	1	8	2	17	5.63	.085	2	13	3.47	75	.02	2	1.61	.01	.26	1	2	20
B 57627	1	1	2	21	.3	20	17	470	8.03	2	5	ND	1	46	1	11	2	27	2.08	.123	9	17	3.30	56	.04	4	3.06	.01	.35	1	2	10
B 57628	1	5	2	21	.4	19	25	640	9.53	4	5	ND	1	49	1	9	2	29	2.69	.128	7	17	3.39	59	.03	2	2.86	.01	.33	1	1	20
B 57629	1	3	2	26	.3	22	23	685	7.89	5	5	ND	1	41	1	8	2	29	2.75	.134	6	16	3.78	58	.04	5	3.23	.01	.40	1	1	30
B 57630	1	19	6	11	.1	39	58	240	4.35	13	5	ND	1	19	1	8	2	21	.87	.162	5	12	2.09	84	.05	2	2.04	.01	.53	1	2	50
B 57631	1	5	7	2	.2	9	29	1264	3.01	4	5	ND	1	61	1	5	3	5	8.52	.026	5	9	3.90	26	.01	4	.44	.01	.14	1	1	40
B 57632	1	25	2	1	.1	7	23	1127	2.61	5	5	ND	3	60	1	6	2	5	8.35	.031	4	7	3.85	23	.01	5	.39	.01	.15	1	1	50
B 57633	1	173	4	9	.1	11	14	565	2.19	8	5	ND	6	27	1	7	3	8	3.36	.046	7	13	2.14	37	.01	16	.80	.01	.24	1	2	70
B 57634	1	78	5	1	.1	9	11	847	2.16	6	5	ND	4	38	1	7	2	6	5.57	.031	3	9	2.72	25	.01	2	.47	.01	.17	1	19	50
B 57635	1	7	2	1	.1	4	11	1326	2.99	6	5	ND	3	59	1	5	3	5	9.56	.024	3	6	4.09	17	.01	2	.23	.01	.11	1	2	60
B 57636	2	70	9	1	.1	15	22	381	1.64	11	5	ND	5	19	1	8	2	6	2.22	.032	4	14	1.43	36	.01	2	.62	.01	.24	1	1	100
B 57637	1	114	2	3	.1	21	25	605	3.16	8	5	ND	2	21	1	7	3	13	3.02	.042	4	19	2.39	29	.01	9	1.15	.01	.23	2	1	60
B 57638	1	9	4	5	.1	22	20	575	3.55	8	5	ND	1	22	1	8	2	12	2.69	.044	3	17	2.09	29	.01	2	1.14	.01	.22	1	3	30
B 57639	2	113	68	5	1.4	79	154	167	17.03	17	5	ND	1	7	1	7	2	14	.45	.055	2	26	1.00	18	.02	8	1.12	.01	.28	1	3	1400
B 57640	1	2	2	9	.1	20	5	576	3.32	4	5	ND	1	27	1	10	2	15	2.67	.054	5	16	2.29	27	.01	2	1.45	.01	.22	1	1	20
B 57641	1	13	10	11	.2	34	20	644	4.36	8	5	ND	1	41	1	10	2	18	3.27	.060	4	19	2.44	30	.02	2	1.62	.01	.23	1	1	40
B 57642	1	10	6	5	.2	23	16	919	4.43	10	5	ND	1	44	1	9	2	17	4.21	.056	4	16	2.78	29	.01	2	1.56	.01	.24	1	1	50
B 57643	1	25	7	2	.4	23	41	1460	5.71	10	5	ND	1	57	1	7	2	10	6.91	.040	2	13	3.19	22	.01	2	.91	.01	.17	1	1	180
B 57644	3	37	26	1	.6	39	74	1341	6.88	16	5	ND	1	45	1	10	2	11	5.79	.050	2	16	3.03	27	.01	2	1.03	.01	.19	1	1	400
B 57645	1	7	7	11	.3	38	15	664	5.73	7	5	ND	1	80	1	9	2	24	3.35	.079	4	17	2.56	25	.01	2	2.56	.01	.21	1	2	20
B 57646	1	3	2	16	.3	39	21	702	6.76	8	5	ND	1	60	1	12	2	30	2.60	.084	4	19	2.91	23	.01	2	3.05	.01	.20	1	1	20
B 57647	1	1	4	12	.4	33	19	659	9.19	11	5	ND	1	66	1	11	2	45	2.48	.056	3	38	2.64	20	.02	2	2.83	.01	.13	1	1	10
B 57648	1	2	6	15	.5	39	26	1138	7.22	12	5	ND	1	81	1	11	2	30	4.27	.067	4	22	3.45	19	.01	2	3.00	.01	.15	1	4	30
B 57649	1	3	8	17	.3	45	32	806	6.79	8	5	ND	1	57	1	11	2	26	2.74	.089	5	20	3.23	25	.01	2	3.15	.01	.16	1	2	10
B 57650	1	3	4	16	.4	37	27	743	7.60	2	5	ND	1	59	1	11	2	23	2.51	.089	8	21	2.81	35	.01	2	2.79	.01	.20	1	2	10
STD C/AU-R	18	57	42	128	6.9	68	31	955	3.99	44	21	8	37	47	19	18	21	58	.46	.092	37	53	.81	175	.07	34	1.79	.06	.14	12	530	1300

90-069

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49781	1	3	4	4	.1	15	9	148	1.23	4	5	ND	9	7	1	2	6	11	3.16	.058	15	25	3.01	7	.01	6	1.03	.01	.11	1	5	120
B 49782	2	7	14	7	.1	20	27	282	2.05	16	5	ND	4	11	1	3	2	10	6.44	.044	7	16	4.77	8	.01	17	1.14	.01	.12	1	3	280
B 49783	1	1	5	3	.1	17	17	215	1.31	2	5	ND	5	8	1	3	2	11	4.44	.046	10	19	3.53	6	.01	5	.88	.01	.11	1	6	60
B 49784	1	2	2	1	.1	17	13	162	1.17	3	5	ND	8	6	1	3	3	13	3.14	.058	18	24	3.07	6	.01	6	1.07	.02	.10	1	8	70
B 49785	2	1	8	2	.1	15	1	87	.93	2	5	ND	10	5	1	2	2	13	1.75	.057	26	25	2.33	8	.01	9	1.14	.02	.11	1	6	10
B 49786	1	1	2	1	.1	18	1	81	1.09	2	5	ND	9	4	1	2	2	13	1.48	.058	26	27	2.51	9	.01	19	1.31	.02	.12	1	1	80
B 49787	1	1	2	5	.1	18	1	86	1.14	2	5	ND	13	5	1	3	3	12	1.63	.065	33	31	2.63	7	.01	7	1.34	.01	.11	1	2	50
B 49788	1	1	5	6	.1	20	1	76	1.23	2	5	ND	10	5	1	2	2	12	1.53	.061	29	31	2.74	7	.01	6	1.47	.01	.11	1	2	20
B 49801	1	4	3	90	.1	13	25	509	9.16	2	5	ND	1	13	1	3	2	39	.64	.191	35	31	1.52	103	.01	2	1.93	.01	.17	1	6	30
B 49802	1	20	18	154	.1	10	33	705	8.66	2	5	ND	1	11	1	6	2	34	1.94	.173	36	29	2.38	118	.01	2	2.90	.01	.14	1	5	20
B 49803	1	37	14	62	.1	14	37	1224	7.92	2	5	ND	1	13	1	2	6	22	.45	.190	36	28	.40	153	.01	3	.96	.01	.21	1	4	50
B 49804	1	45	6	102	.1	15	40	1162	8.64	2	5	ND	1	15	1	3	2	27	.38	.164	41	32	1.24	154	.01	2	1.93	.01	.19	1	6	40
B 49805	1	52	15	121	.1	16	56	1155	10.61	2	5	ND	1	15	1	5	2	36	.59	.157	37	35	1.59	138	.01	2	2.30	.01	.16	1	1	20
B 49806	1	49	4	106	.1	11	33	792	8.27	2	5	ND	1	14	1	6	4	40	1.96	.178	35	31	2.41	104	.01	2	2.84	.01	.14	1	6	20
B 49807	1	92	20	40	.5	39	76	339	9.39	7	5	ND	1	16	1	9	2	29	.43	.090	4	33	4.28	46	.01	2	4.23	.01	.10	1	7	100
B 49808	1	6	11	51	.1	42	28	320	8.42	2	5	ND	1	10	1	6	2	37	.53	.111	13	38	4.87	48	.01	2	4.94	.01	.08	1	3	20
B 49809	1	8	10	47	.1	39	24	354	7.84	2	5	ND	1	42	1	8	3	46	1.12	.108	16	35	4.91	817	.01	2	4.70	.01	.08	3	3	10
B 49810	1	2	7	50	.1	41	27	426	7.87	2	5	ND	1	22	1	7	2	48	1.38	.112	23	37	4.67	37	.01	2	4.54	.01	.07	1	1	20
B 49811	1	35	5	39	.1	41	29	777	5.96	2	5	ND	1	22	1	4	2	26	2.76	.102	17	30	2.56	91	.01	7	2.69	.01	.14	1	5	10
B 49812	1	60	6	69	.1	34	25	571	6.11	2	5	ND	1	85	1	4	2	12	3.93	.093	10	20	2.49	33	.01	7	1.66	.01	.21	1	6	30
B 49813	1	32	12	66	.1	38	28	695	6.35	2	5	ND	1	85	1	5	2	10	4.40	.094	8	18	2.41	29	.01	2	1.58	.01	.21	1	1	70
B 49882	1	3	6	8	.1	4	5	1188	1.99	7	5	ND	1	46	1	2	2	5	17.50	.028	2	2	6.20	232	.01	12	.25	.01	.03	1	3	50
B 49883	1	2	2	9	.2	1	2	1796	2.50	6	5	ND	1	41	1	7	7	5	25.69	.032	2	9	2.11	215	.01	3	.34	.01	.02	1	5	30
B 49884	1	6	2	7	.4	8	10	2695	3.05	14	5	ND	2	37	1	7	2	5	26.16	.037	3	11	1.31	270	.01	8	.39	.01	.01	1	1	100
B 49885	1	8	5	7	.4	8	7	2099	2.85	13	5	ND	3	34	1	8	2	5	21.31	.041	3	8	2.91	319	.01	4	.47	.01	.01	1	1	180
B 49886	1	5	2	14	.1	5	4	929	1.69	9	5	ND	1	42	1	2	2	4	17.57	.023	3	2	7.35	58	.01	9	.24	.01	.01	1	4	30
B 49887	1	4	2	6	.3	5	7	1561	2.02	11	5	ND	1	37	1	4	2	5	20.63	.022	3	9	4.11	286	.01	5	.39	.01	.01	1	3	100
B 49888	1	9	2	7	.3	5	6	2527	2.65	2	5	ND	1	20	1	2	2	6	14.16	.016	5	3	7.13	13	.01	2	.38	.01	.02	1	3	120
B 49889	1	12	8	9	.2	8	8	1524	2.65	10	5	ND	3	24	1	3	2	8	12.33	.025	5	3	6.39	13	.01	5	.72	.01	.03	1	2	160
B 49890	1	12	10	8	.4	9	10	1790	2.56	11	5	ND	5	19	1	4	3	9	11.38	.034	7	6	4.49	168	.01	10	.90	.01	.04	1	2	180
B 49891	1	7	4	7	.1	7	11	1544	2.25	22	5	ND	2	53	1	2	3	9	19.38	.031	6	6	4.76	153	.01	5	.31	.01	.01	1	3	160
B 49892	1	5	2	7	.1	5	6	838	2.52	26	5	ND	2	47	1	2	2	8	14.33	.027	8	7	6.54	61	.01	6	.27	.01	.01	1	1	350
B 49893	1	3	3	9	.2	4	4	1195	1.97	27	5	ND	1	53	1	2	2	6	21.30	.026	3	6	6.15	135	.01	5	.22	.01	.01	1	1	240
B 49894	1	4	6	11	.2	4	4	1318	2.11	44	5	ND	1	41	1	2	2	4	20.69	.022	4	4	6.28	58	.01	5	.43	.01	.01	1	3	100
B 49895	1	5	8	7	.3	4	5	2151	2.64	3	5	ND	1	25	1	2	2	6	16.85	.016	5	3	8.77	7	.01	2	.23	.01	.01	1	2	120
B 49896	1	8	8	10	.3	8	6	1662	2.28	16	5	ND	2	26	1	2	2	6	16.75	.028	8	3	5.63	10	.01	5	.43	.01	.03	1	3	220
STD C/AU-R	18	58	40	130	7.1	68	31	1007	4.02	44	23	8	37	48	19	15	22	58	.47	.094	37	56	.86	174	.07	38	1.92	.06	.13	13	490	1300

G90-30

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A [illegible] PHONE (604) 253-3158 FAX (604) 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0496 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49789	1	3	5	1	.1	13	1	153	.99	3	5	ND	13	8	1	2	2	9	3.23	.058	35	22	2.64	5	.01	41	.84	.02	.12	1	1	10
B 49790	1	3	2	1	.1	18	1	54	1.10	8	5	ND	11	4	1	2	2	11	1.04	.054	31	24	2.17	13	.01	45	1.38	.02	.21	1	1	5
B 49791	1	1	2	1	.1	18	1	41	1.08	7	5	ND	13	4	1	3	2	12	.90	.057	33	28	2.04	12	.01	25	1.25	.02	.17	1	2	5
B 49792	1	1	2	1	.1	19	1	66	1.16	3	5	ND	12	4	1	2	2	12	1.26	.060	30	28	2.32	10	.01	55	1.32	.02	.17	1	4	5
B 49793	1	1	2	1	.1	18	1	148	1.36	3	5	ND	14	6	1	2	2	14	2.84	.064	34	40	3.12	10	.01	27	1.31	.03	.12	1	1	5
B 49794	2	1	3	1	.1	24	2	177	1.84	6	5	ND	11	7	1	2	3	17	3.02	.057	26	53	3.81	8	.01	18	1.89	.02	.12	1	3	5
B 49795	1	1	3	1	.1	23	2	54	1.54	3	5	ND	10	4	1	2	2	13	.81	.054	26	26	2.77	8	.01	49	1.85	.02	.15	1	1	5
B 49796	1	1	2	1	.1	18	1	139	1.32	3	5	ND	13	7	1	2	3	12	2.62	.061	37	27	2.85	11	.01	47	1.30	.03	.17	1	3	10
B 49797	1	1	2	1	.1	17	1	101	1.28	2	5	ND	9	6	1	2	2	11	2.14	.054	28	24	2.74	11	.01	20	1.34	.02	.16	1	2	5
B 49798	1	2	3	1	.1	21	2	16	1.44	4	5	ND	8	3	1	2	3	15	.18	.048	25	24	2.36	18	.01	43	1.92	.02	.28	1	1	5
B 49799	1	1	2	1	.1	18	1	54	1.37	7	5	ND	8	4	1	2	2	12	1.08	.053	27	27	2.61	14	.01	36	1.64	.02	.17	1	2	5
B 49800	2	3	3	1	.1	16	1	92	1.38	3	5	ND	14	6	1	3	2	14	1.88	.075	38	30	2.84	12	.01	18	1.55	.02	.15	1	4	10
B 49814	1	52	2	61	.3	42	31	1309	6.09	8	7	ND	2	18	1	2	5	12	2.14	.106	24	12	.82	119	.01	21	1.44	.01	.21	1	5	5
B 49815	1	26	2	75	.4	42	32	734	5.72	5	7	ND	1	62	1	2	2	14	4.41	.093	10	14	1.74	58	.02	28	1.78	.01	.27	1	1	5
B 49816	1	8	51	84	.1	43	30	775	5.89	5	5	ND	1	88	1	3	2	18	3.77	.090	13	18	2.39	41	.02	5	2.07	.03	.23	1	4	5
B 49817	1	12	2	85	.1	40	31	847	6.10	5	5	ND	1	87	1	2	6	18	3.97	.095	11	18	2.51	30	.02	6	2.09	.03	.17	1	1	5
B 49818	1	19	2	87	.2	42	31	735	5.98	5	6	ND	1	83	1	2	2	15	4.01	.086	11	16	2.42	32	.01	23	1.99	.01	.20	1	3	5
B 49819	1	16	2	76	.1	38	28	692	5.62	7	5	ND	1	98	1	2	2	16	4.24	.086	11	17	2.46	35	.02	25	1.90	.03	.24	1	1	20
B 49820	1	9	2	79	.2	40	33	630	5.99	2	5	ND	1	92	1	2	4	17	4.25	.094	12	19	2.49	35	.02	4	2.05	.02	.23	1	1	10
B 49821	1	42	2	54	.2	38	29	853	5.14	8	5	ND	1	74	1	2	2	12	4.22	.094	15	12	2.13	41	.01	2	1.56	.01	.25	1	1	5
B 49822	1	19	2	35	.1	36	22	889	5.11	4	5	ND	2	62	1	2	2	20	3.38	.100	20	19	3.16	50	.01	4	2.67	.02	.28	1	2	5
B 49823	2	5	6	25	.1	23	12	219	3.26	10	5	ND	8	8	1	5	2	14	.25	.057	36	23	2.37	41	.01	15	2.36	.01	.22	1	2	5
B 49824	2	6	7	26	.2	20	11	306	3.52	3	5	ND	7	5	1	4	2	13	.21	.052	25	20	2.63	59	.01	17	2.54	.01	.20	1	1	5
B 49825	1	26	2	25	.1	21	15	338	3.48	2	5	ND	6	16	1	2	5	12	.91	.047	19	20	2.89	24	.01	9	2.48	.01	.19	1	2	20
B 57001	4	2	2	1	.1	14	2	93	1.21	2	5	ND	10	7	1	2	2	9	2.21	.057	23	18	2.63	12	.01	9	1.29	.01	.16	1	4	60
B 57002	3	7	3	1	.1	14	11	126	1.48	3	5	ND	7	7	1	2	2	13	2.85	.057	16	24	3.09	9	.01	18	1.33	.01	.13	1	2	410
B 57003	1	2	4	7	.1	21	18	50	1.51	3	5	ND	6	6	1	2	2	11	1.19	.054	18	27	2.88	10	.01	24	1.80	.01	.09	1	1	10
B 57004	1	4	2	1	.1	18	6	84	1.51	5	5	ND	7	7	1	2	2	12	1.82	.046	18	25	3.15	11	.01	10	1.84	.01	.11	1	2	50
B 57005	3	3	3	1	.1	11	15	429	1.53	7	5	ND	6	16	1	2	4	7	9.13	.031	8	12	5.22	7	.01	49	.65	.01	.09	1	2	200
B 57006	1	4	2	1	.1	20	12	84	1.34	4	5	ND	5	7	1	2	2	10	2.02	.041	14	21	2.67	11	.01	19	1.51	.01	.13	1	2	50
B 57007	1	3	2	1	.1	17	5	104	1.33	2	5	ND	5	7	1	2	2	10	2.34	.049	17	22	2.81	11	.01	22	1.39	.01	.13	1	2	60
B 57008	1	2	2	1	.1	17	4	59	1.18	5	5	ND	6	7	1	2	2	9	1.27	.041	18	21	2.30	11	.01	13	1.51	.01	.12	1	1	20
B 57009	1	4	2	1	.1	13	4	154	1.24	4	5	ND	8	8	1	2	3	10	3.30	.045	22	19	3.02	46	.01	20	1.13	.01	.15	1	2	20
B 57010	2	4	2	1	.1	17	9	113	1.43	4	5	ND	8	7	1	2	2	11	2.26	.045	18	23	2.92	11	.01	17	1.49	.01	.16	1	3	50
B 57011	2	7	5	1	.1	21	21	125	1.69	9	5	ND	8	8	1	2	3	12	2.93	.053	15	24	3.10	11	.01	47	1.42	.02	.17	1	4	320
B 57012	1	5	2	1	.1	16	8	141	1.57	2	5	ND	6	8	1	2	4	11	3.08	.051	15	24	3.31	120	.01	27	1.41	.01	.14	1	2	120
STD C/AU-R	18	57	38	133	6.7	68	31	963	3.94	43	18	7	37	49	19	15	20	59	.44	.096	39	57	.89	177	.07	38	1.88	.06	.13	12	480	1300

G90-30

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 28 1990 DATE REPORT MAILED: March 1/90 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

[redacted] ACME ANAL[redacted]CAL LABORATORIES LTD. [redacted] 852 E. HASTINGS ST. [redacted] VANCOUVER B.C. V6A [redacted] PHONE [redacted] 253-[redacted] 258 [redacted] FAX (6[redacted]253-[redacted]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0541 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49826	1	59	14	12	.1	12	9	501	3.43	2	5	ND	4	14	1	3	2	14	1.33	.044	17	26	2.76	61	.01	3	2.27	.01	.15	1	2	10
B 49827	1	7	11	9	.1	16	12	86	2.86	2	5	ND	5	4	1	2	2	12	.12	.054	25	23	1.99	36	.01	15	2.11	.01	.18	1	2	5
B 49828	1	23	7	14	.1	15	8	96	2.98	2	5	ND	5	4	1	2	2	12	.12	.052	21	25	2.09	38	.01	14	2.20	.01	.19	1	1	5
B 49829	1	10	9	8	.1	17	16	92	3.11	6	5	ND	4	6	1	2	2	12	.17	.074	16	28	2.10	98	.01	7	2.23	.01	.19	1	1	10
B 49830	1	12	6	15	.1	16	9	237	3.40	4	5	ND	5	6	1	2	2	14	.40	.068	22	23	2.33	51	.01	5	2.39	.01	.21	1	2	5
B 49831	1	46	9	19	.1	18	13	183	4.06	8	5	ND	2	10	1	2	2	20	.36	.112	11	31	2.49	297	.01	12	2.65	.01	.19	1	1	5
B 49832	2	75	3	7	.1	18	11	81	2.60	9	5	ND	5	5	1	2	2	12	.13	.061	14	20	1.72	112	.01	14	1.90	.01	.21	1	1	5
B 49833	1	13	16	18	.2	17	17	242	4.17	8	5	ND	2	15	1	2	2	17	.46	.101	8	26	2.35	167	.01	31	2.41	.01	.20	1	2	10
B 49834	1	19	2	17	.1	15	8	438	3.20	5	5	ND	4	17	1	2	2	12	1.33	.068	15	21	2.58	60	.01	11	2.13	.01	.18	1	2	5
B 49835	1	57	2	17	.1	14	14	401	3.46	2	5	ND	5	16	1	2	2	12	1.09	.069	21	21	2.76	17	.01	5	2.35	.01	.20	1	1	5
B 49836	1	5	5	15	.1	18	11	169	2.98	5	5	ND	6	6	1	2	2	10	.22	.061	23	22	2.09	52	.01	22	2.20	.01	.21	1	1	5
B 49837	1	38	8	10	.1	20	11	157	2.93	8	5	ND	8	6	1	2	2	11	.20	.062	18	21	1.92	54	.01	15	2.11	.01	.23	1	2	5
B 49838	1	38	10	14	.1	21	13	306	3.75	5	5	ND	6	9	1	2	2	13	.39	.074	19	24	2.44	74	.01	10	2.45	.01	.22	1	3	5
B 49839	1	49	13	19	.1	22	19	229	3.30	8	5	ND	5	10	1	2	2	13	.37	.071	14	23	2.22	189	.01	6	2.26	.01	.21	1	4	5
B 49840	1	84	11	13	.1	20	13	173	3.89	3	5	ND	4	7	1	2	2	12	.19	.090	26	25	2.04	42	.01	12	2.20	.01	.20	1	2	5
B 49841	1	20	6	12	.1	17	12	236	3.99	9	5	ND	4	7	1	2	2	13	.20	.093	14	24	1.93	58	.01	19	2.15	.01	.20	1	1	10
B 49842	1	205	4	10	.1	22	33	173	4.04	11	5	ND	2	8	1	2	3	16	.21	.102	10	31	1.87	44	.01	10	2.16	.01	.24	1	2	20
B 49843	1	26	5	20	.3	22	18	108	4.70	6	5	ND	3	11	1	2	2	20	.28	.134	11	37	2.01	37	.01	21	2.35	.01	.23	1	1	10
B 49844	1	201	7	18	.2	21	13	67	3.74	2	5	ND	5	10	1	2	2	17	.23	.103	17	27	1.98	273	.01	24	2.34	.01	.24	1	1	10
B 49845	1	40	9	9	.1	23	17	90	3.65	6	5	ND	5	9	1	2	2	11	.18	.085	14	21	1.42	161	.01	20	1.66	.01	.22	1	1	20
B 49846	1	83	13	14	.6	27	39	1154	9.89	2	5	ND	1	38	1	4	5	20	.85	.367	7	20	3.51	63	.01	2	2.30	.01	.28	1	1	70
B 49847	1	9	3	16	.5	22	24	1328	9.05	5	5	ND	1	43	1	6	2	20	1.01	.284	8	22	4.11	127	.02	2	2.49	.01	.24	1	2	60
B 49848	1	33	4	9	.6	23	59	1548	9.71	2	5	ND	1	52	1	6	2	15	1.05	.286	4	20	3.61	38	.01	2	1.89	.01	.23	1	1	170
B 49849	1	24	15	15	.7	22	54	1229	9.94	5	5	ND	1	36	1	5	2	21	.92	.299	9	18	4.26	31	.01	2	2.90	.01	.18	1	1	130
B 49850	1	29	8	14	.5	22	44	1025	9.80	2	5	ND	1	36	1	6	2	21	.76	.267	4	22	3.83	43	.02	2	2.77	.01	.21	1	1	110
B 57017	1	3	2	1	.1	13	11	134	1.50	3	5	ND	6	9	1	2	2	8	3.82	.058	11	19	3.29	11	.01	9	1.14	.01	.11	1	1	180
B 57018	1	1	2	6	.1	16	4	73	1.49	3	5	ND	6	5	1	2	2	10	1.72	.052	14	24	2.76	14	.01	11	1.64	.01	.16	1	1	70
B 57019	1	1	4	5	.1	14	2	108	1.40	2	5	ND	7	7	1	3	2	9	2.80	.057	18	22	2.96	11	.01	8	1.37	.01	.13	1	1	20
B 57020	1	1	5	5	.1	19	5	67	1.59	2	5	ND	7	5	1	2	2	11	1.73	.056	16	25	2.97	11	.01	3	1.71	.01	.14	1	1	50
B 57021	2	5	10	2	.1	14	27	136	1.59	9	5	ND	7	9	1	2	2	9	3.53	.061	13	21	3.06	10	.01	16	1.11	.01	.12	1	2	380
B 57022	1	1	3	4	.1	16	4	100	1.42	2	5	ND	7	8	1	3	2	9	2.72	.055	17	21	3.03	11	.01	9	1.40	.01	.14	1	3	30
B 57023	1	1	5	1	.1	15	3	116	1.42	2	5	ND	6	7	1	2	2	9	2.59	.050	16	21	2.96	26	.01	6	1.38	.01	.14	1	1	20
B 57024	1	8	4	4	.2	4	4	581	1.57	11	5	ND	1	52	1	2	2	5	18.79	.023	4	1	6.75	19	.01	3	.09	.01	.01	1	1	130
B 57025	1	6	2	8	.2	3	3	526	1.55	6	5	ND	2	39	1	2	2	6	16.59	.019	3	1	7.01	18	.01	2	.13	.01	.02	1	1	120
STD C/AU-R	17	57	39	132	6.9	68	31	957	4.06	42	23	8	37	47	19	15	23	58	.46	.094	37	55	.84	175	.07	34	1.92	.06	.14	11	510	1300

G90-30

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAR 1 1990 DATE REPORT MAILED: March 6/90 SIGNED BY .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A [illegible] PHONE [illegible] 258 [illegible] FAX (61[illegible] 53-[illegible]

GEOCHEMICAL ANALYSIS CERTIFICATE

Bapty Research Limited PROJECT GOLD CREEK File # 90-0525 Page 1

901 Industrial Road #2, Cranbrook BC V1C 4C9

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppm	Th ppm	Sr ppm	Cd ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
B 49851	1	21	20	15	.1	25	47	972	8.20	3	5	ND	1	29	1	2	2	29	.61	.240	8	19	4.41	49	.02	2	3.57	.01	.22	1	1	110
B 49852	1	15	19	16	.2	25	34	296	7.95	3	7	ND	1	27	1	4	2	41	.58	.227	10	24	4.63	22	.02	2	4.27	.01	.15	1	1	50
B 49853	1	3	9	14	.1	25	25	511	7.78	7	5	ND	1	28	1	2	5	35	.61	.234	19	23	4.98	72	.03	2	3.91	.01	.19	1	1	10
B 49854	1	17	12	15	.1	28	26	321	7.65	2	5	ND	1	27	1	2	3	38	.66	.246	16	26	4.87	238	.03	2	4.24	.01	.23	1	1	10
B 49855	1	15	14	14	.2	27	35	1030	8.56	2	5	ND	1	30	1	2	3	32	.59	.201	9	21	4.82	91	.03	2	3.47	.01	.21	1	3	30
B 49856	1	19	11	15	.1	24	30	413	8.19	3	5	ND	1	30	1	2	2	37	.56	.222	12	21	4.65	108	.04	2	4.06	.01	.22	1	1	20
B 49857	1	22	8	15	.1	24	23	249	8.29	2	5	ND	2	31	1	2	2	36	.55	.238	20	19	4.81	133	.05	2	4.08	.01	.19	1	1	5
B 49858	2	8	13	10	.2	22	31	732	7.57	2	7	ND	3	35	1	2	2	27	.79	.238	19	16	4.19	202	.04	2	2.66	.01	.28	1	2	10
B 49859	1	4	8	13	.1	30	26	478	7.88	2	5	ND	1	38	1	2	3	37	.64	.235	24	26	4.55	385	.04	2	3.47	.01	.21	1	1	5
B 49860	1	22	13	14	.1	27	36	432	7.69	2	5	ND	1	44	1	2	2	36	.76	.248	10	23	4.73	55	.04	2	4.06	.01	.23	1	2	40
B 49861	1	66	14	15	.2	26	39	543	7.98	2	5	ND	1	32	1	3	2	37	.54	.236	8	23	4.59	51	.04	2	3.86	.01	.22	1	1	80
B 57058	1	6	3	2	.1	5	3	315	1.03	6	5	ND	3	28	1	2	2	3	14.04	.019	5	2	7.11	19	.01	15	.21	.01	.08	1	1	100
B 57059	1	9	6	2	.1	7	2	354	1.00	6	5	ND	3	27	1	2	2	3	13.31	.030	4	3	6.64	19	.01	4	.27	.01	.08	1	1	40
B 57060	1	10	3	2	.1	7	4	474	1.33	12	5	ND	2	28	1	2	2	3	14.13	.021	4	2	6.92	14	.01	2	.17	.01	.05	1	1	100
B 57061	1	8	3	2	.1	6	3	444	1.05	4	5	ND	3	25	1	2	2	2	13.00	.021	6	2	6.55	17	.01	2	.30	.01	.05	1	1	130
B 57062	1	6	4	2	.1	7	4	395	1.10	8	5	ND	3	25	1	2	2	3	11.68	.030	5	2	5.95	15	.01	2	.30	.01	.07	1	1	70
B 57063	1	17	6	2	.1	11	5	236	1.36	9	5	ND	7	17	1	2	2	3	6.30	.053	8	3	3.06	40	.01	2	.74	.01	.14	1	1	140
B 57064	1	4	3	1	.1	6	2	430	.92	6	5	ND	1	28	1	2	2	1	11.83	.023	4	2	6.25	23	.01	2	.19	.01	.07	1	2	60
B 57065	1	7	7	1	.1	8	4	232	1.13	6	5	ND	4	21	1	2	2	2	6.21	.022	7	4	3.39	22	.01	2	.42	.01	.10	1	1	200
B 57066	1	6	2	1	.1	3	1	492	.80	5	5	ND	1	29	1	2	2	2	15.87	.014	5	1	7.91	10	.01	2	.08	.01	.05	1	1	80
B 57067	1	7	5	2	.1	5	4	382	.95	5	5	ND	2	27	1	2	2	2	14.79	.015	3	2	7.88	16	.01	7	.12	.01	.05	2	1	100
B 57068	1	10	5	2	.2	9	5	558	1.31	11	5	ND	5	21	1	2	2	4	11.10	.034	7	3	6.10	14	.01	2	.45	.01	.09	1	1	130
B 57069	1	18	2	2	.1	8	4	468	1.02	8	5	ND	3	26	1	2	2	3	14.94	.024	3	2	7.21	20	.01	2	.36	.01	.06	1	2	70
B 57070	1	14	2	2	.1	11	6	422	1.25	6	5	ND	3	24	1	2	2	3	13.59	.040	4	3	5.72	30	.01	8	.47	.01	.06	1	1	100
B 57071	1	18	4	2	.2	12	6	318	1.41	7	5	ND	5	22	1	2	2	5	11.08	.045	8	4	4.62	24	.01	5	.72	.01	.10	1	2	150
B 57072	1	9	2	1	.2	11	6	310	1.28	8	5	ND	5	26	1	2	2	4	10.76	.038	7	4	5.73	23	.01	3	.37	.01	.10	1	1	180
B 57073	1	4	2	1	.1	4	1	394	.82	2	5	ND	2	33	1	2	2	2	15.05	.021	4	2	8.10	16	.01	18	.17	.01	.04	1	1	50
B 57074	1	5	2	1	.1	5	2	388	1.16	5	5	ND	2	31	1	2	2	3	14.46	.019	3	2	7.64	20	.01	18	.18	.01	.02	1	1	30
B 57209	1	5	5	9	.1	8	5	172	1.05	2	5	ND	1	40	1	2	2	8	1.00	.022	8	6	.86	1849	.02	4	.58	.01	.11	1	1	20
B 57210	1	1	4	1	.1	6	2	126	.95	3	5	ND	4	17	1	2	2	5	1.10	.033	12	11	.68	816	.01	6	.45	.01	.13	2	1	10
B 57211	2	3	3	3	.1	8	4	433	1.35	2	5	ND	2	62	1	2	2	5	3.19	.021	6	9	2.06	1692	.01	7	.60	.01	.10	2	1	10
B 57212	2	2	3	1	.1	8	4	341	1.56	2	5	ND	1	25	1	2	2	5	1.06	.019	6	10	.59	1472	.01	4	.64	.01	.14	1	3	30
B 57213	2	2	3	2	.1	8	3	313	1.36	2	5	ND	2	19	1	2	2	6	1.63	.028	9	11	1.13	675	.01	4	.59	.01	.14	1	1	10
B 57214	1	1	2	1	.1	8	2	202	1.21	2	5	ND	5	8	1	2	2	7	1.13	.036	17	12	.74	86	.01	3	.46	.01	.15	1	1	20
B 57215	2	5	2	1	.1	8	1	51	.74	2	5	ND	5	2	1	2	2	4	.07	.029	18	11	.08	59	.01	2	.25	.01	.12	1	3	20
B 57216	3	3	2	2	.1	12	2	298	1.04	2	5	ND	1	2	1	2	2	5	.27	.015	6	13	.32	120	.01	2	.41	.01	.09	1	1	60
STD C/AU-R	18	57	37	133	7.1	67	31	946	3.92	42	16	7	36	48	18	15	20	58	.44	.096	38	56	.89	173	.07	31	1.87	.06	.13	12	515	1400

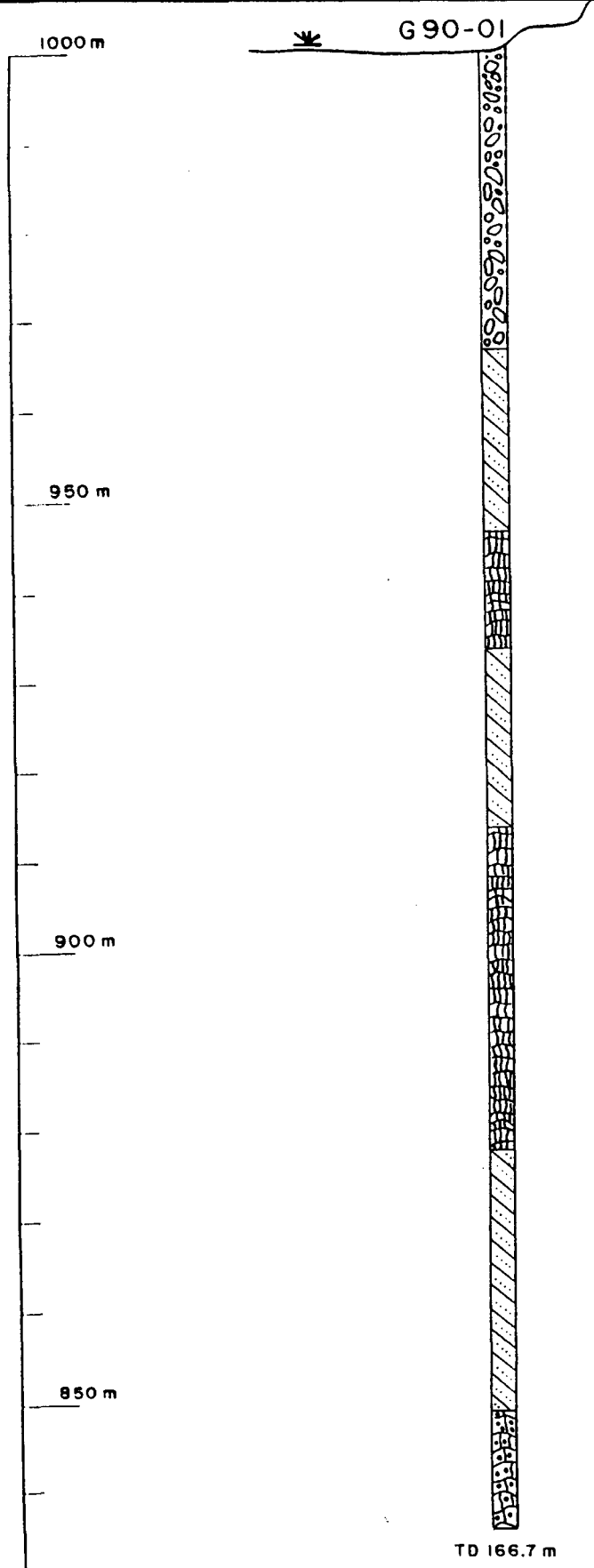
G90-30

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: FEB 28 1990 DATE REPORT MAILED: March 6/90 SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

APPENDIX IX

DRILL HOLE SECTIONS

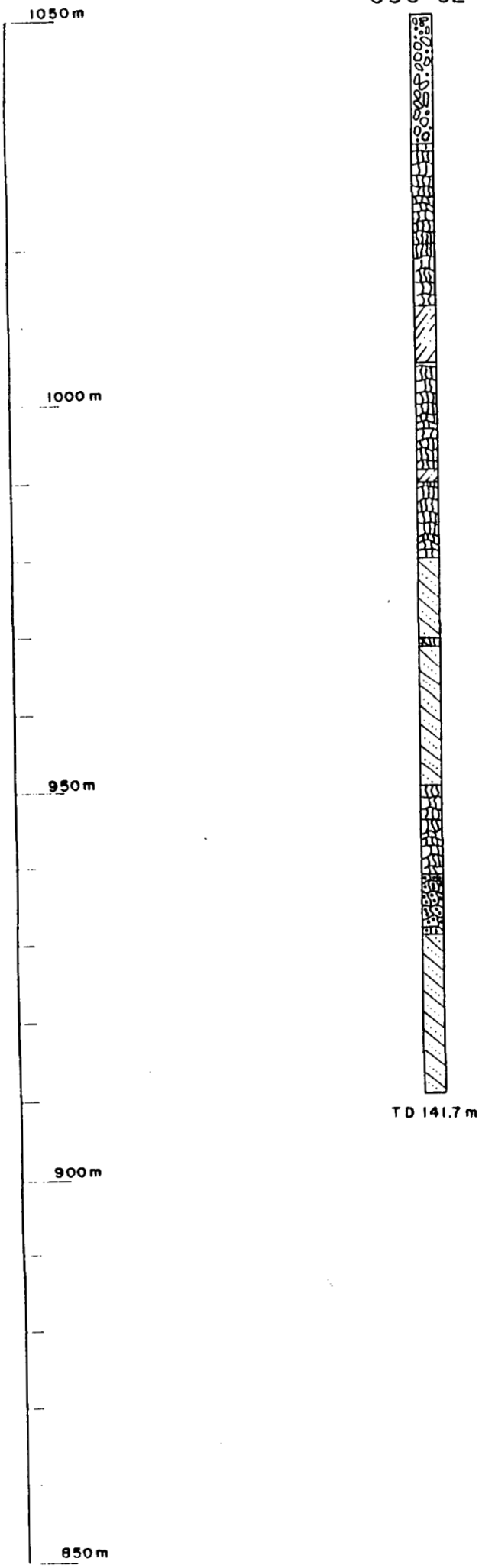


LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-01	
SAPTY RESEARCH LTD.	
DRAWN: T.W.	MINING DIV.: FT. STL. FIGURE
N.T.S. 82 G/3W	SCALE: 1:800
DATE: MAR./90	REVISED:

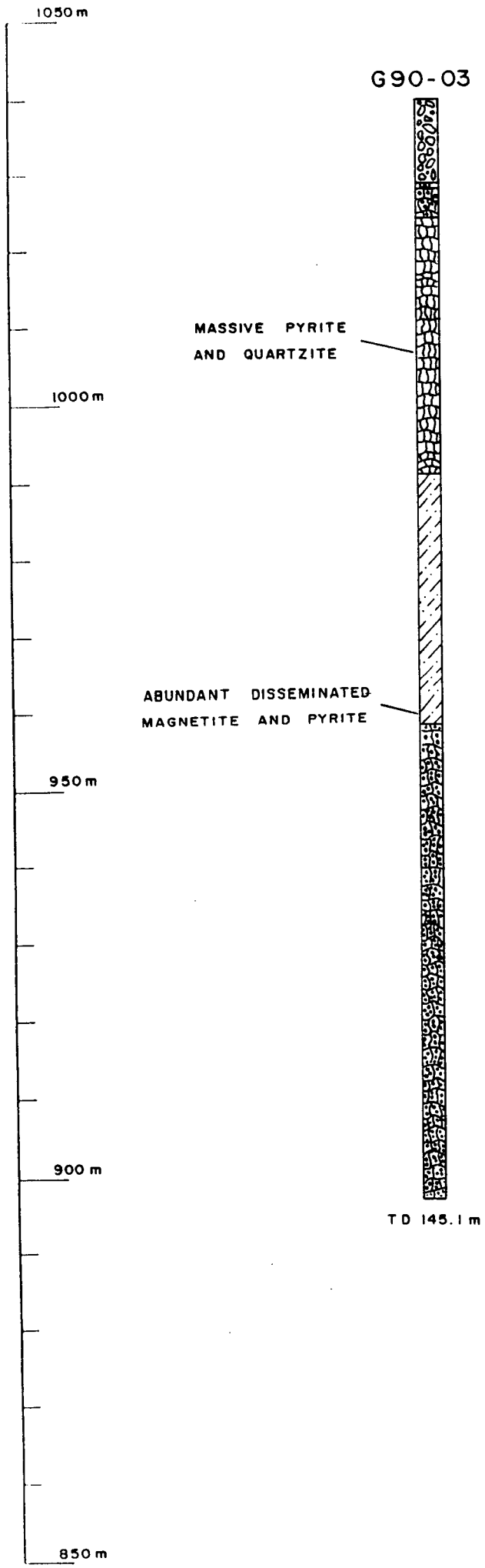
G90-02



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

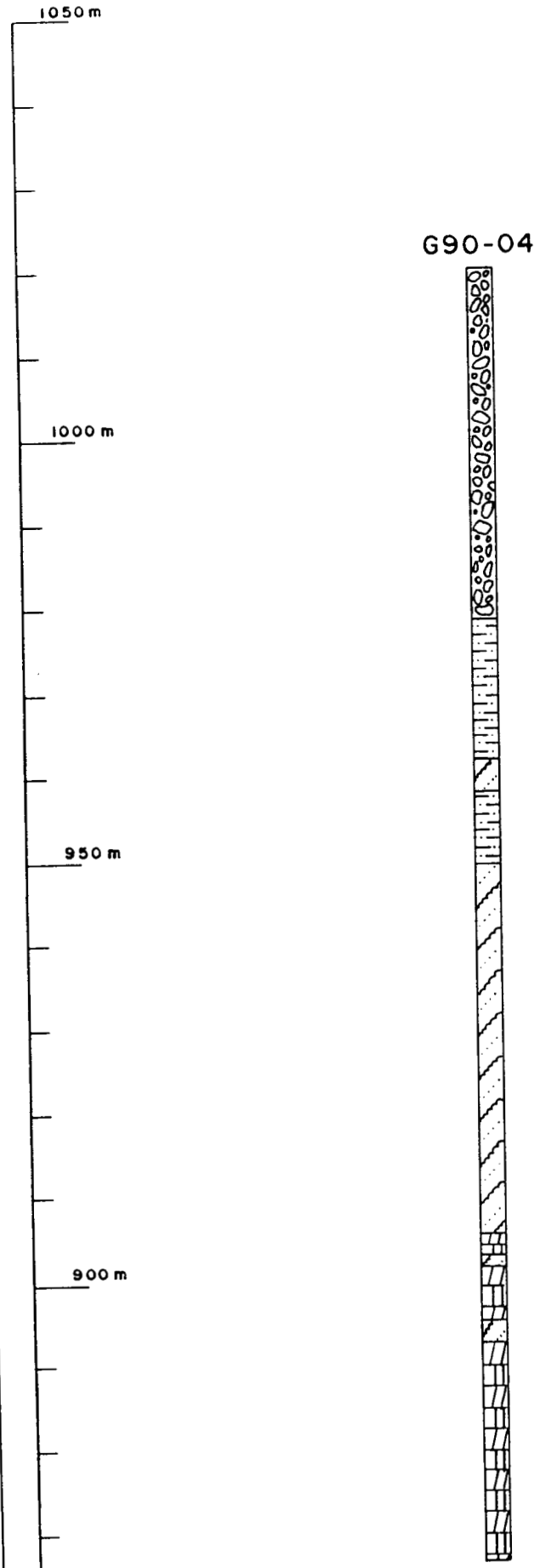
SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-02	
BAPTY RESEARCH LTD.	
DRAWN: TW	MINING DIV.: FT. STL. FIGURE
N.T.S. 82 G/3W	SCALE: 1:800
DATE: MAR./90	REVISED:



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

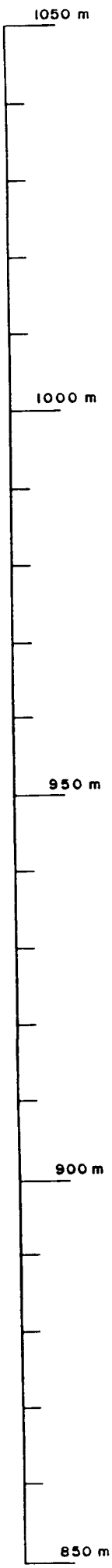
SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-03	
BAPTY RESEARCH LTD.	
DRAWN: TW	MINING DIV.: FT. STL. FIGURE
N.T.S. 82 G/3W	SCALE: 1:600
DATE: MAR./90	REVISED:



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-04		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV: FT. STL.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	



G90-05

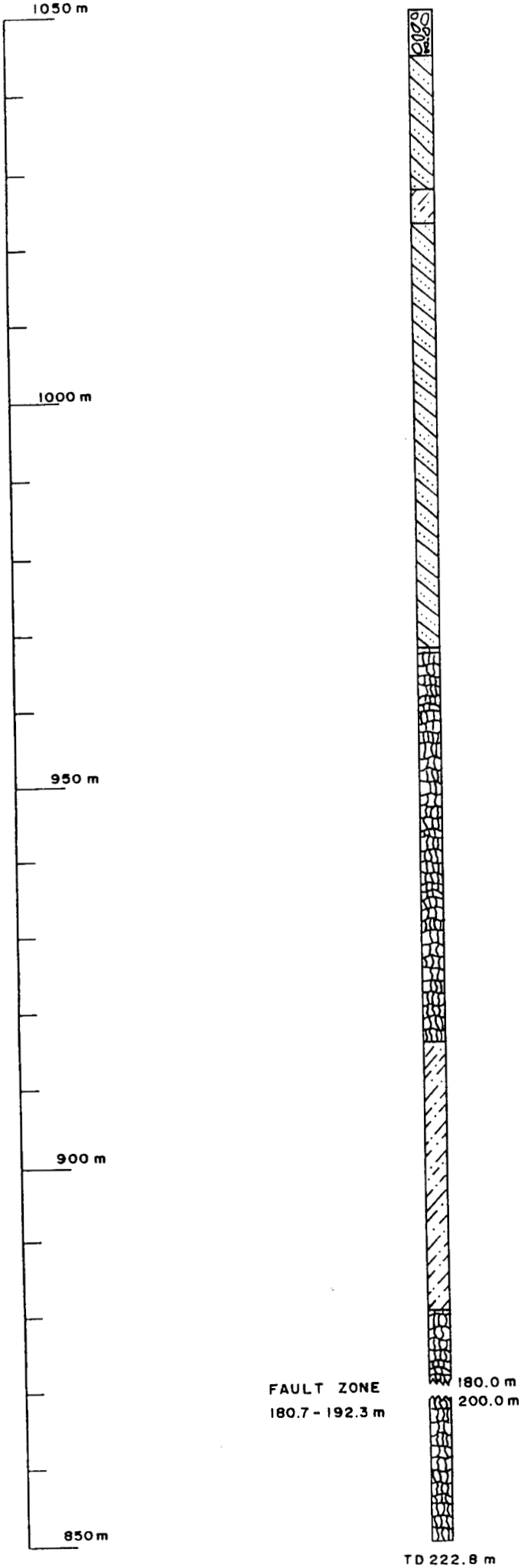
TD 133.2 m

LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-05		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. ST.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	

G90-06

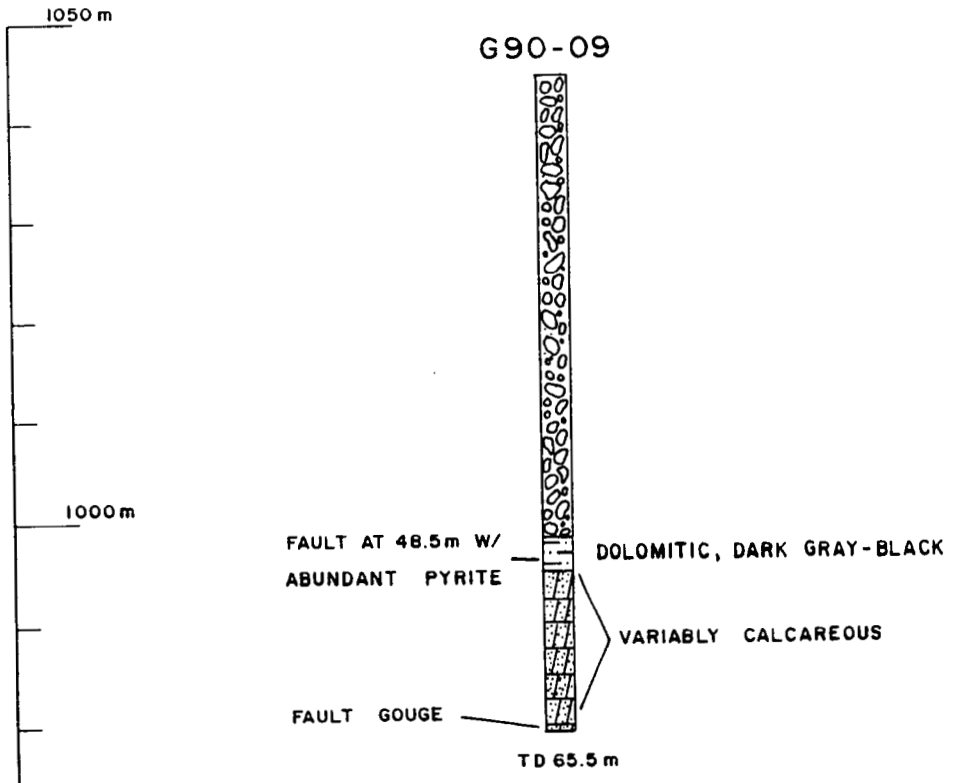


FAULT ZONE
180.7 - 192.3 m

LEGEND

- Overburden
- Dolomite , Limestone
- Silty Dolomite
- Siltstone
- Limestone , Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone , Siltstone
- Lava Flow
- Amygdaloidal Basalt

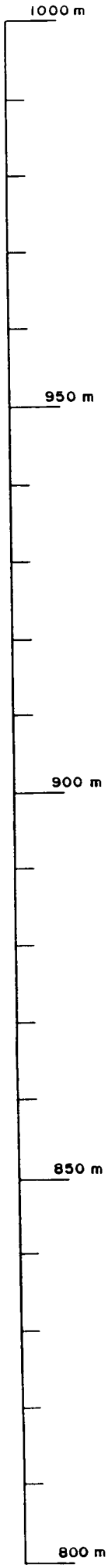
SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-06		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. STL.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-09	
BAPTY RESEARCH LTD.	
DRAWN: T.W.	MINING DIV: FT. ST.L. FIGURE
N.T.S 82G/3W	SCALE: 1:500
DATE: MAR./90	REVISED:



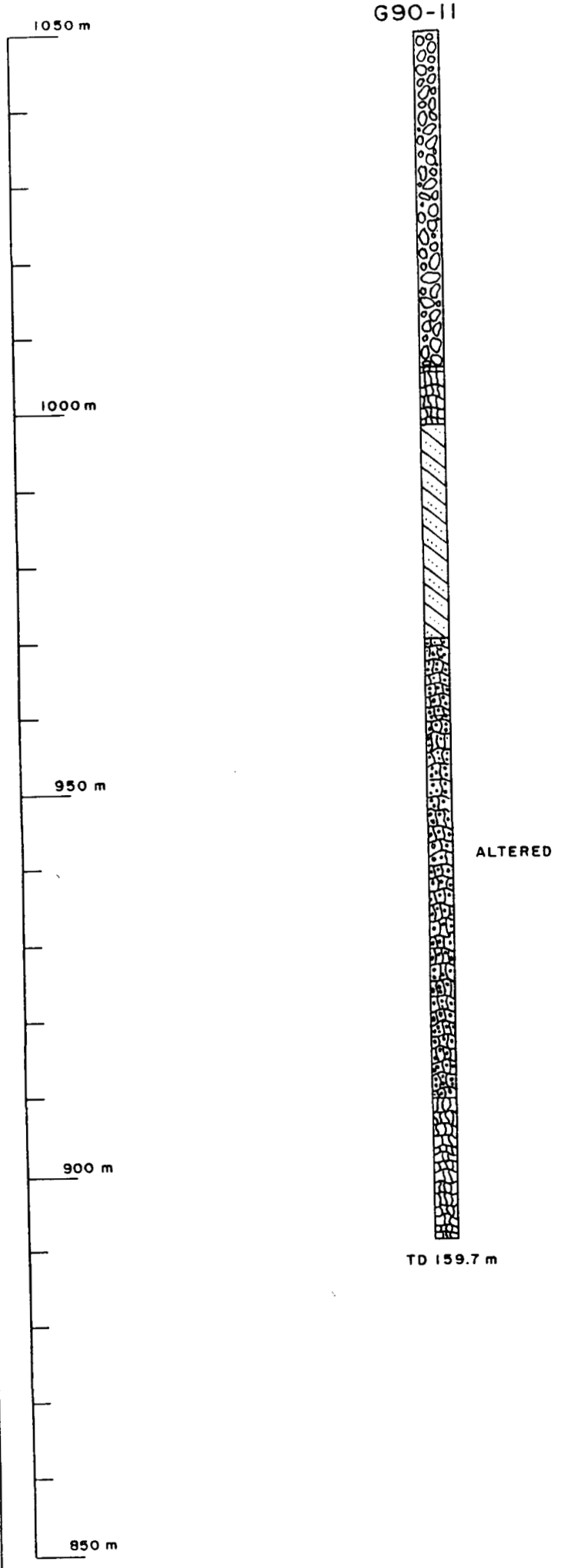
G90-10

TD 111.9 m

LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-10		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV: FT. STL.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	

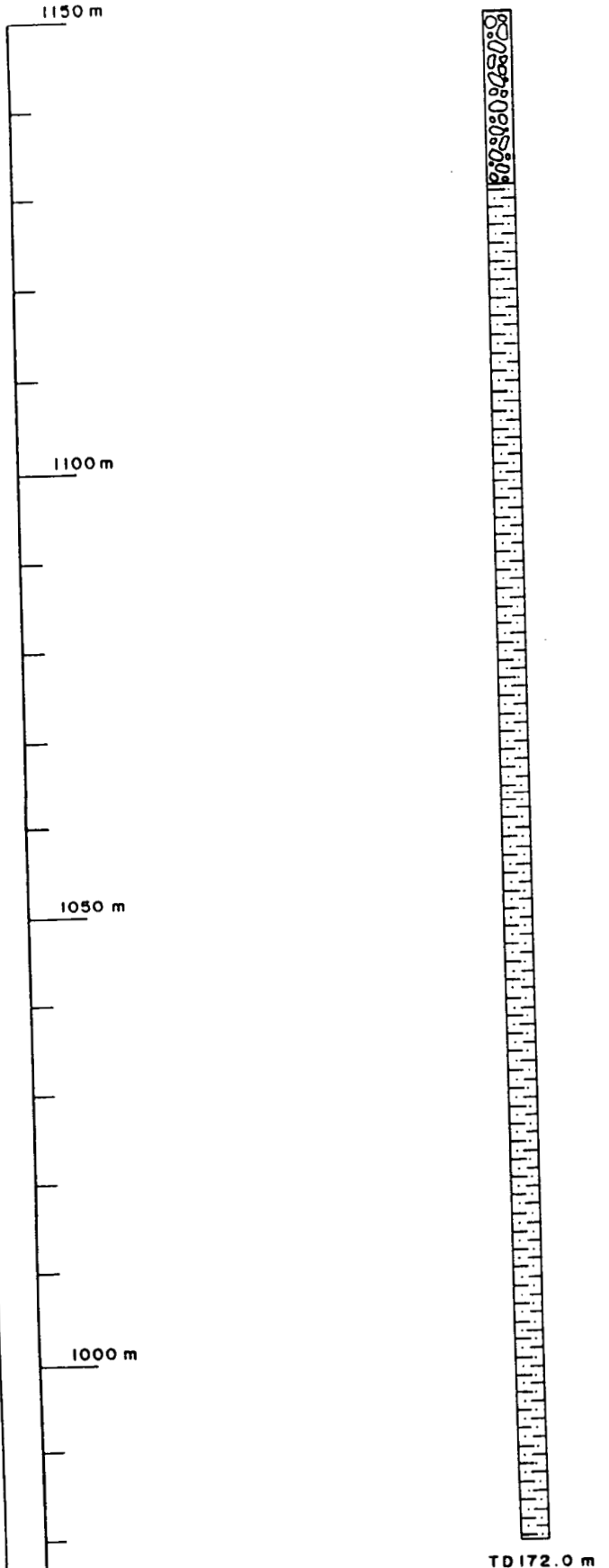


LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-11		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. STL.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	

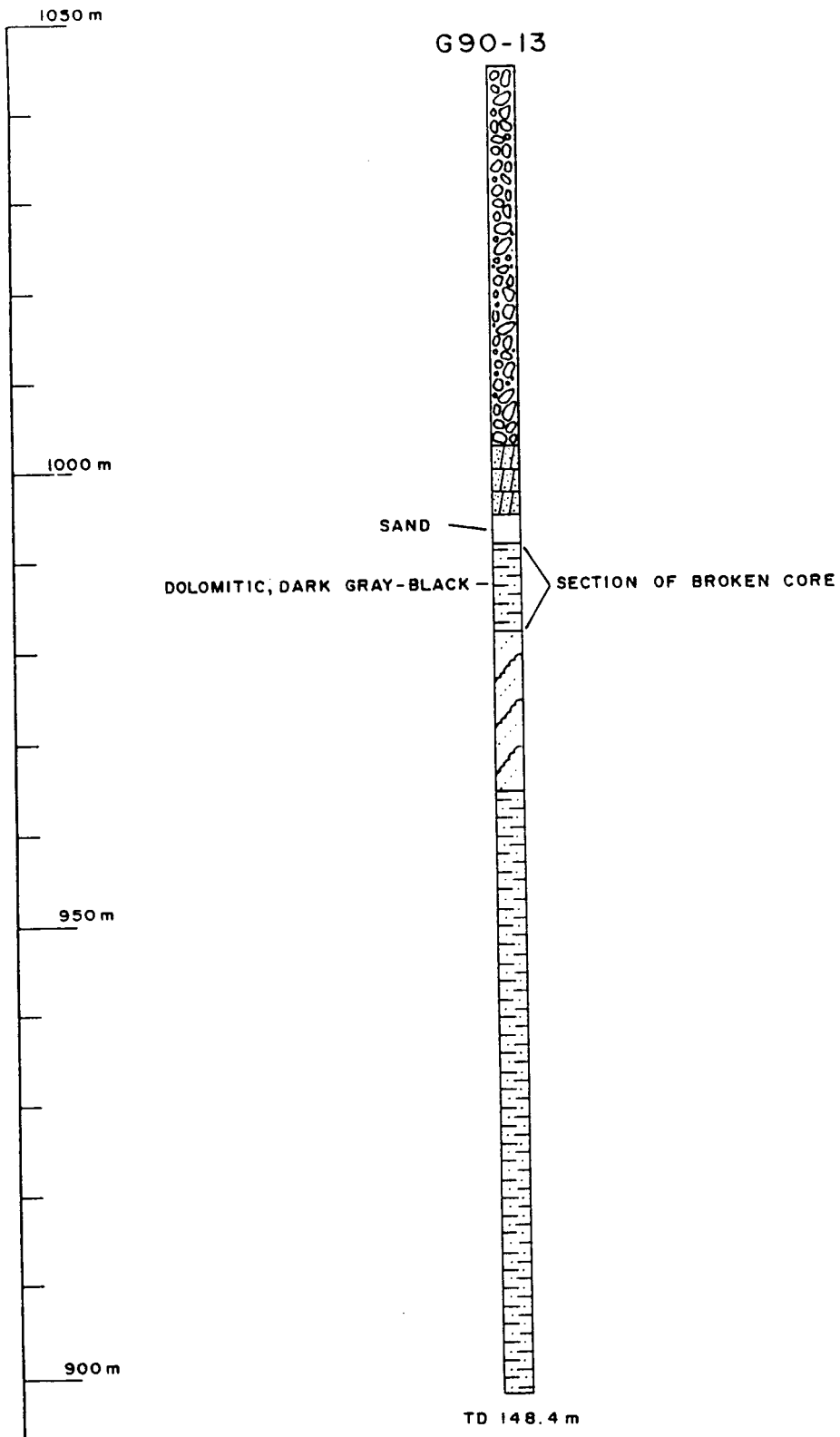
G90-12



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

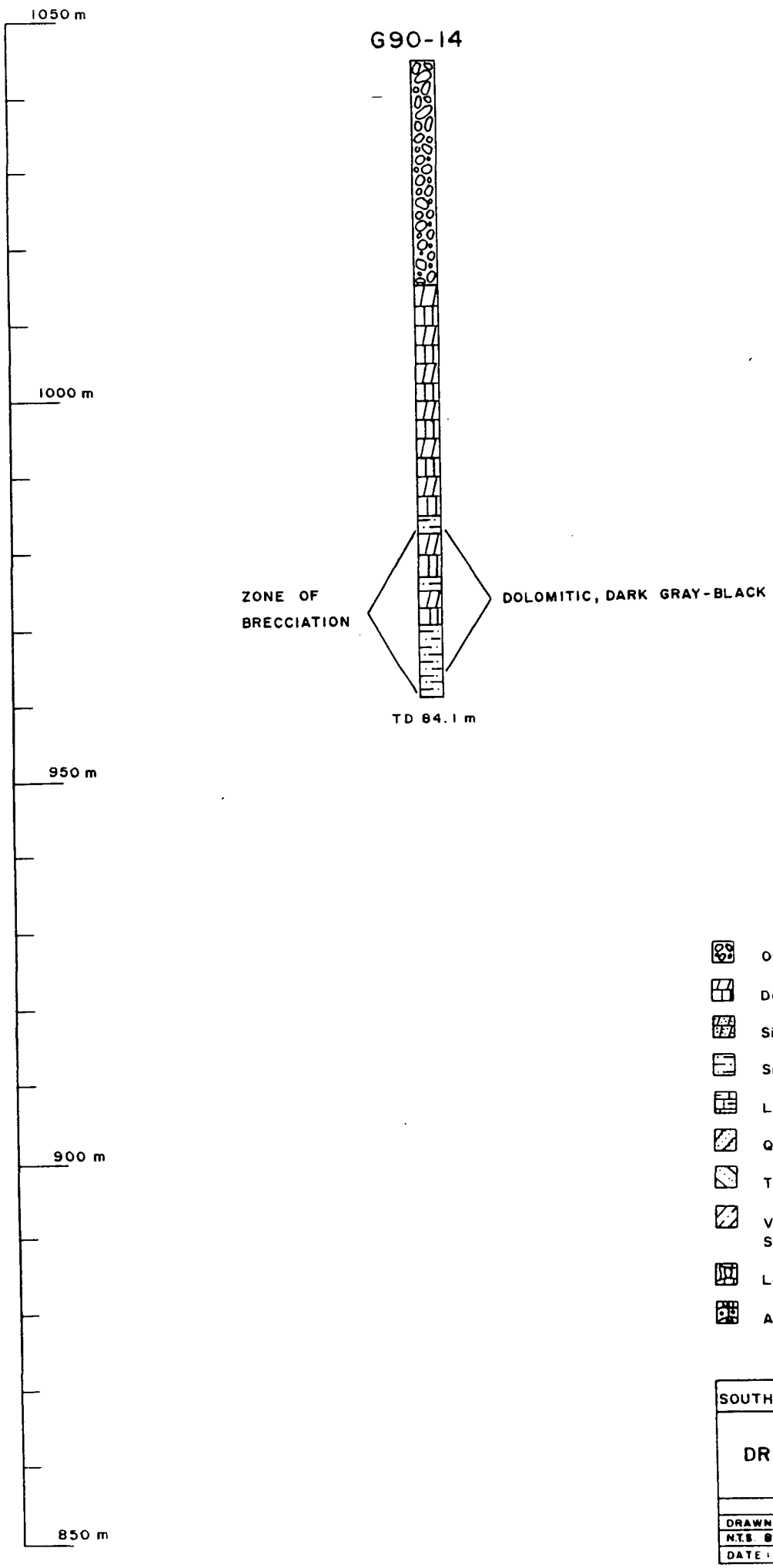
SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-12	
BAPTY RESEARCH LTD.	
DRAWN: TW	MINING DIV.: FT. STL. FIGURE
N.T.S. 82G/3W	SCALE: 1:500
DATE: MAR./90	REVISED:



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

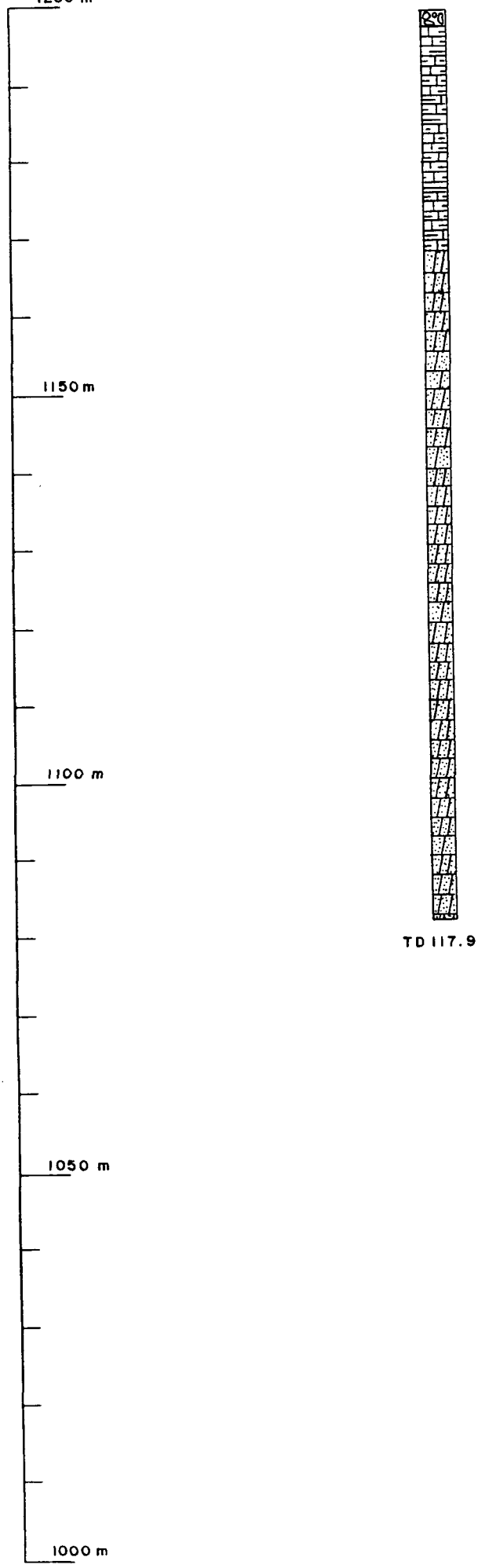
SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-13		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. STL.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

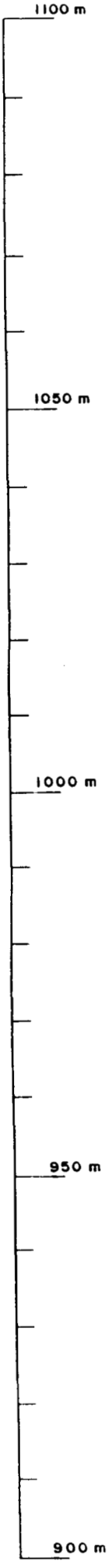
SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-14		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV: FT. ST. J.	FIGURE
N.T.S. 82G/3W	SCALE: 1:800	
DATE: MAR./90	REVISED:	



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-15		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. STL.	FIGURE
N.T.S. 82G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	



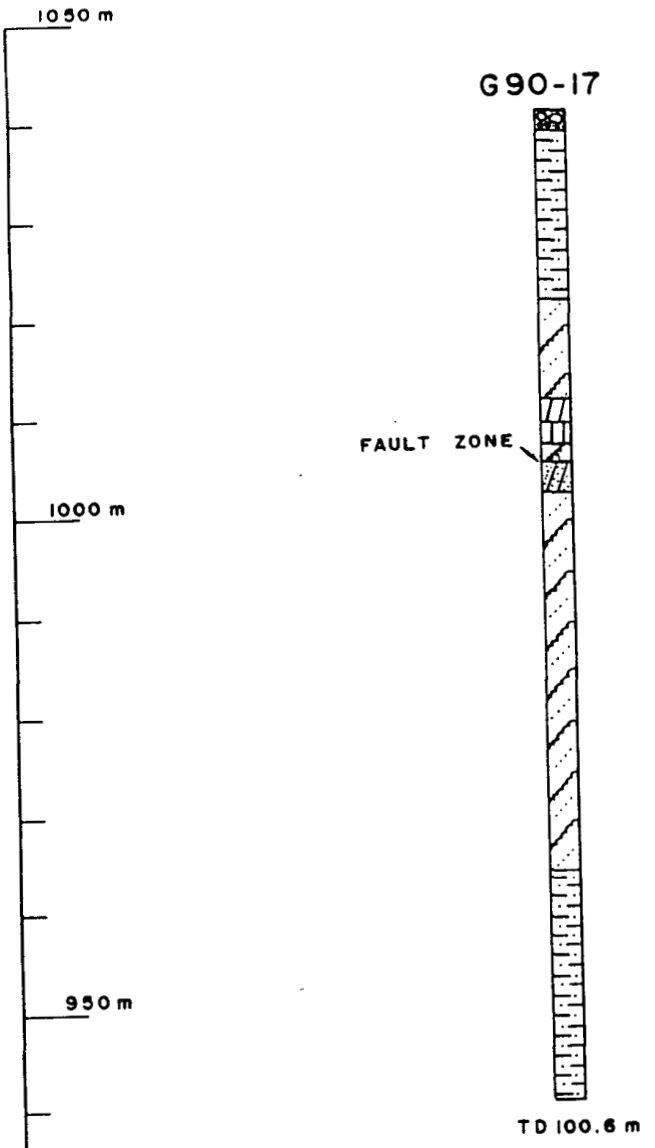
G90-16

TD 90.5 m

LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

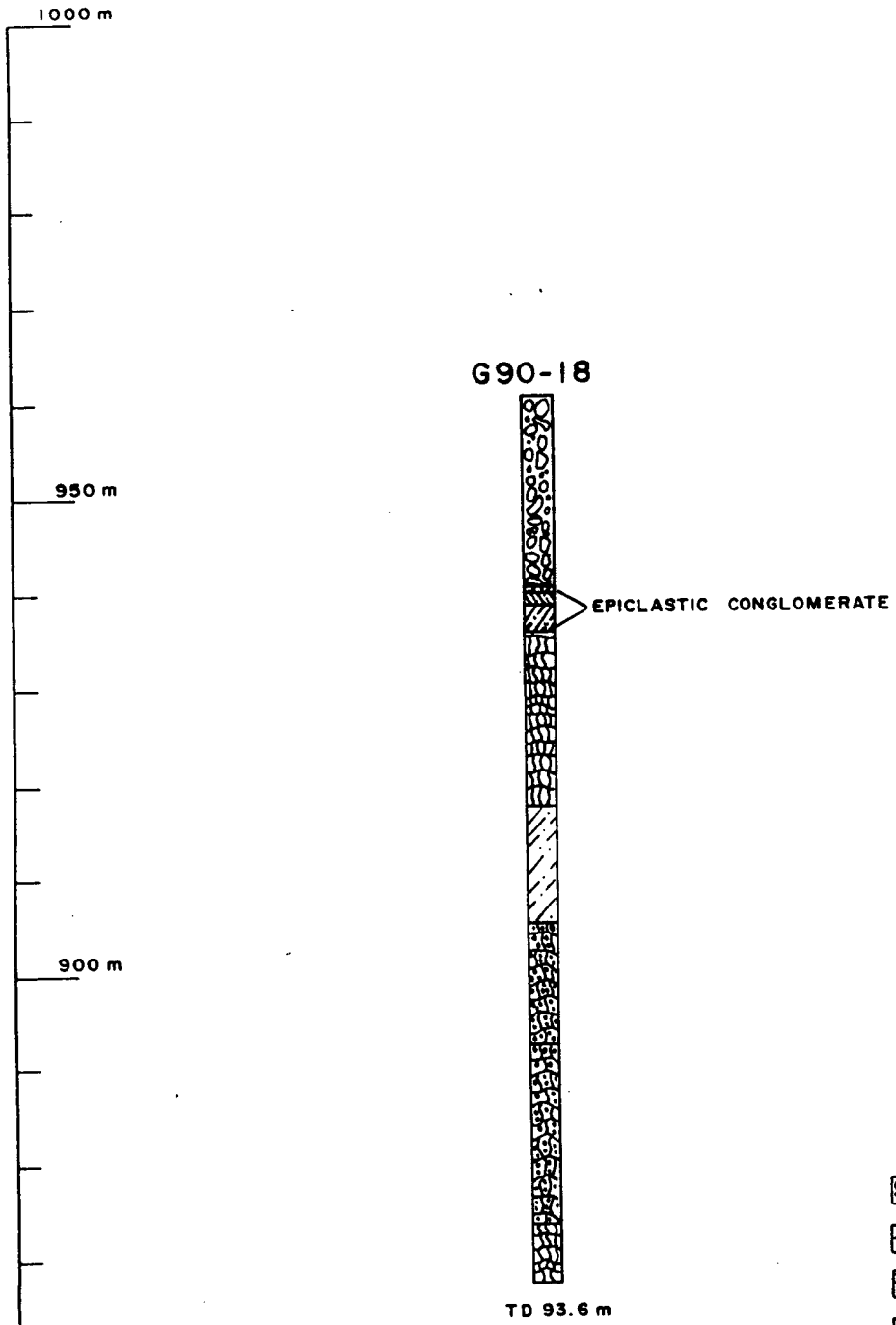
SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-16	
BAPTY RESEARCH LTD.	
DRAWN: T.W.	MINING DIV: FT. STL. FIGURE
N.T.S. 82G/3W	SCALE: 1:500
DATE: MAR./90	REVISED:



LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

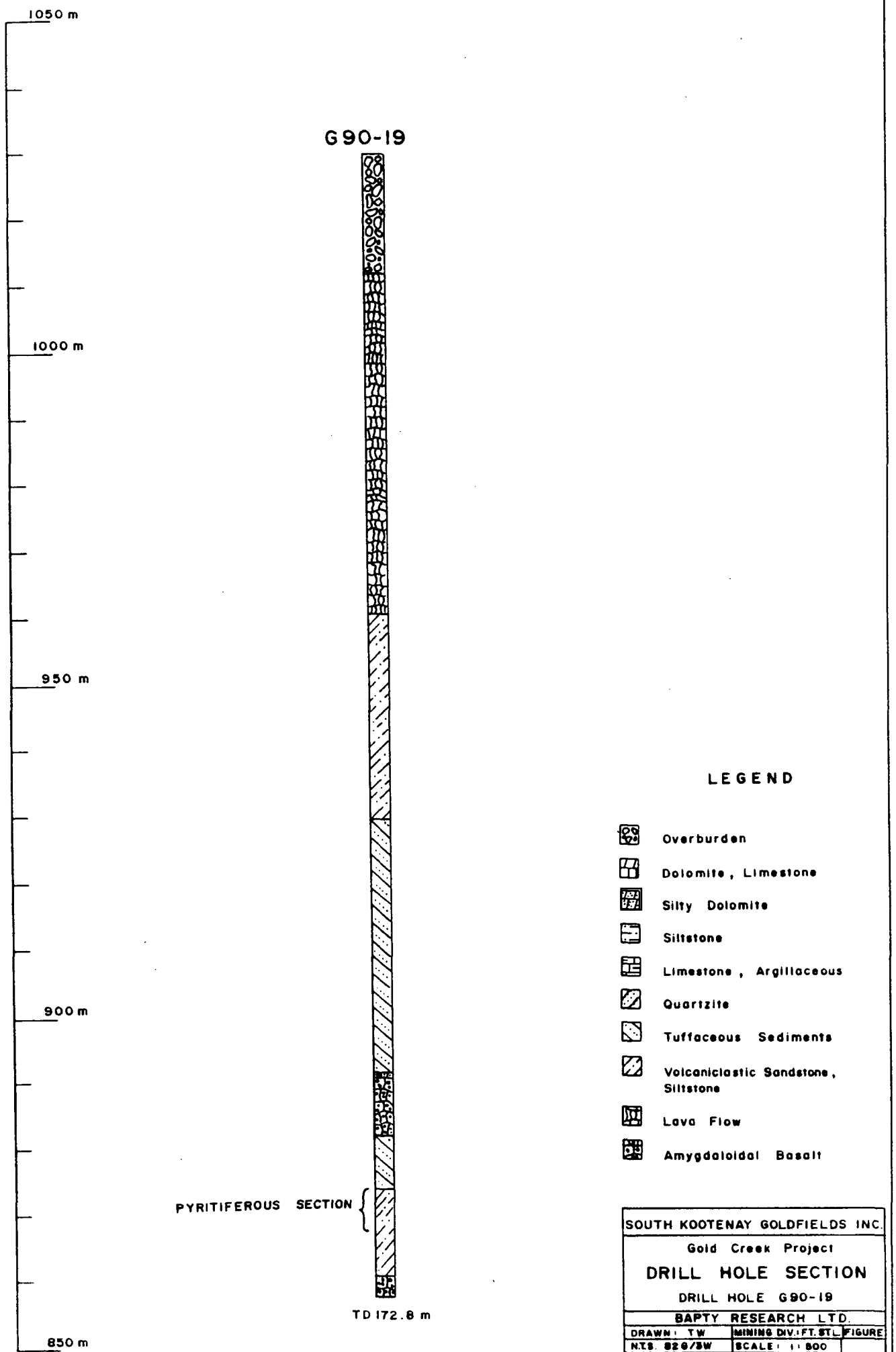
SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-17	
BAPTY RESEARCH LTD.	
DRAWN: TW	MINING DIV.: FT. STL. FIGURE
N.T.S. 82G/3W	SCALE: 1:500
DATE: MAR./90	REVISED:

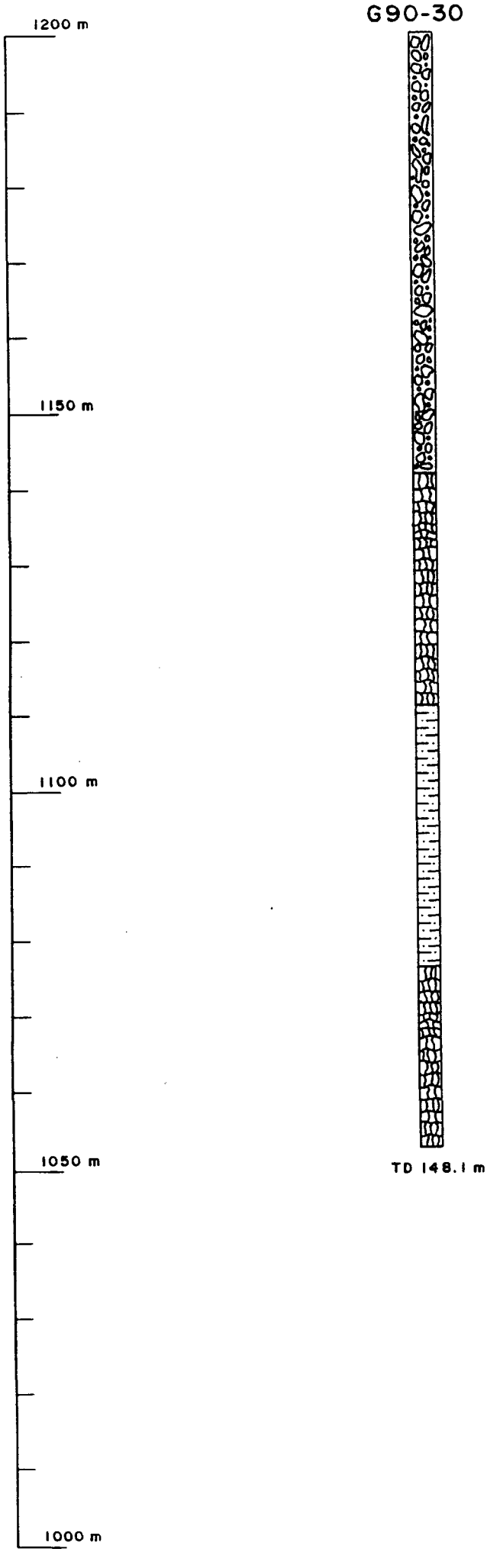


LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project		
DRILL HOLE SECTION		
DRILL HOLE G90-18		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. STL.	FIGURE
N.T.S. 82 G/3W	SCALE: 1:500	
DATE: MAR./90	REVISED:	

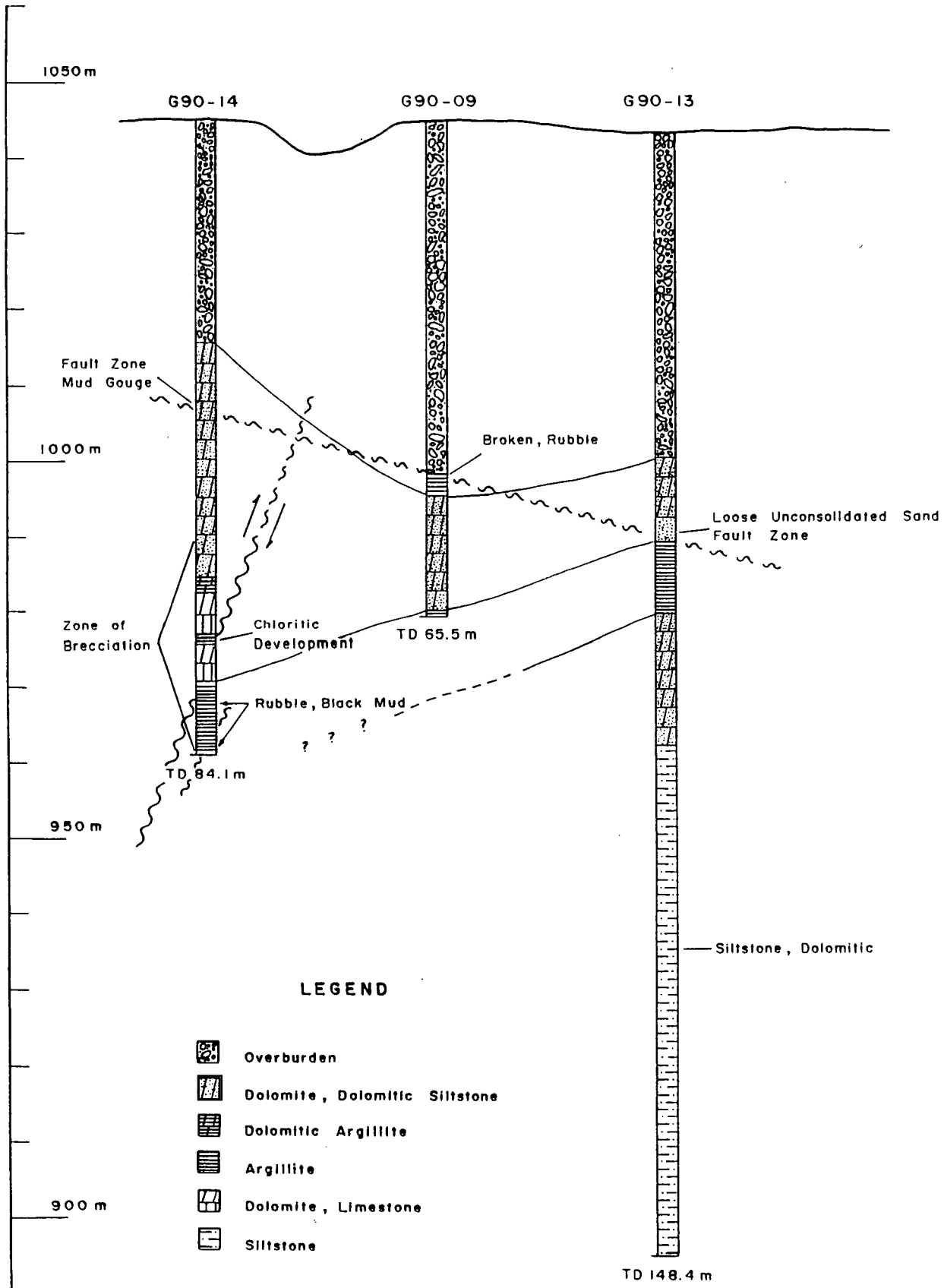

1050 m
1000 m
950 m
900 m
850 m
G90-19
PYRITIFEROUS SECTION
TD 172.8 m
LEGEND
Overburden
Dolomite, Limestone
Silty Dolomite
Siltstone
Limestone, Argillaceous
Quartzite
Tuffaceous Sediments
Volcaniclastic Sandstone, Siltstone
Lava Flow
Amygdaloidal Basalt
SOUTH KOOTENAY GOLDFIELDS INC.
Gold Creek Project
DRILL HOLE SECTION
DRILL HOLE G90-19
BAPTY RESEARCH LTD.
DRAWN: TW
MINING DIV.: FT. ST.L.
FIGURE
N.T.S. 82G/3W
SCALE: 1:500
DATE: MAR./90
REVISED



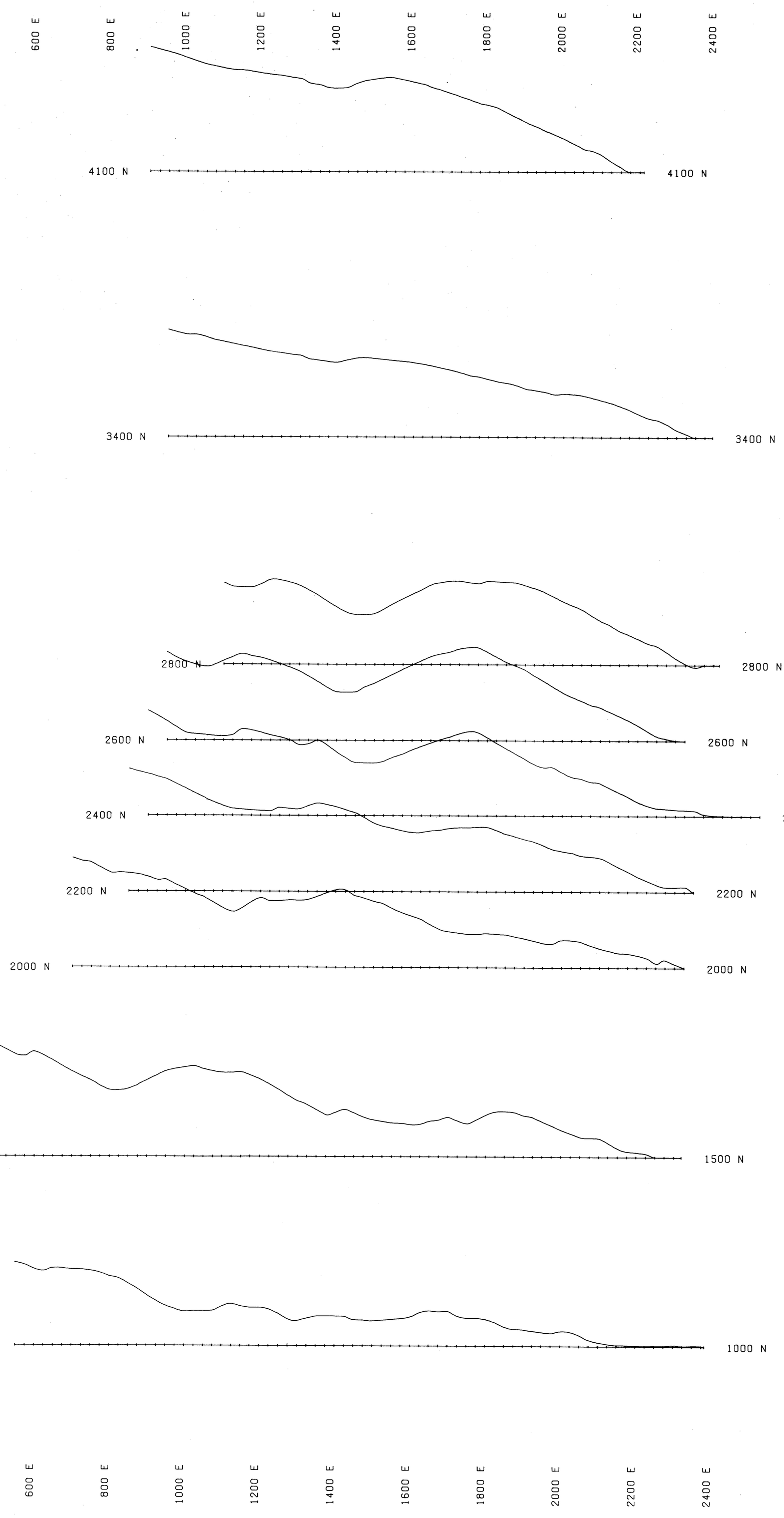
LEGEND

- Overburden
- Dolomite, Limestone
- Silty Dolomite
- Siltstone
- Limestone, Argillaceous
- Quartzite
- Tuffaceous Sediments
- Volcaniclastic Sandstone, Siltstone
- Lava Flow
- Amygdaloidal Basalt

SOUTH KOOTENAY GOLDFIELDS INC.	
Gold Creek Project	
DRILL HOLE SECTION	
DRILL HOLE G90-30	
BAPTY RESEARCH LTD.	
DRAWN: TW	MINING DIV.: FT. STL. FIGURE
N.T.S. 82G/8E	SCALE: 1:500
DATE: MAR./90	REVISED:



SOUTH KOOTENAY GOLDFIELDS INC.		
Gold Creek Project VERTICAL LONG SECTION VIEW IS 010°		
BAPTY RESEARCH LTD.		
DRAWN: TW	MINING DIV.: FT. STL	FIGURE
N.T.S. 82G/3W	SCALE: 1:600	
DATE: MAR./90	REVISED:	



PROFILES POSITIVE UP

SOLID LINES : TOPOGRAPHY PROFILES 50 M /CM
CALCULATED FROM CLINOMETER DATA
ALL PROFILES RELATIVE TO ELEVATION
AT THE EAST END OF THE LINES

STATION SPACING NOT CORRECTED
FOR HORIZONTAL CHAINING
FOR SHIFTED FOR TIE POINTS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,965
PART 2
OF 2

BAPTY RESEARCH LIMITED
SOUTH KOOTENAY GOLDFIELDS INC.
GILL PROPERTY
RELATIVE TOPOGRAPHY
PROFILES

FORT STEELE M.D. N.T.S. 82G

SCALE 1:5000

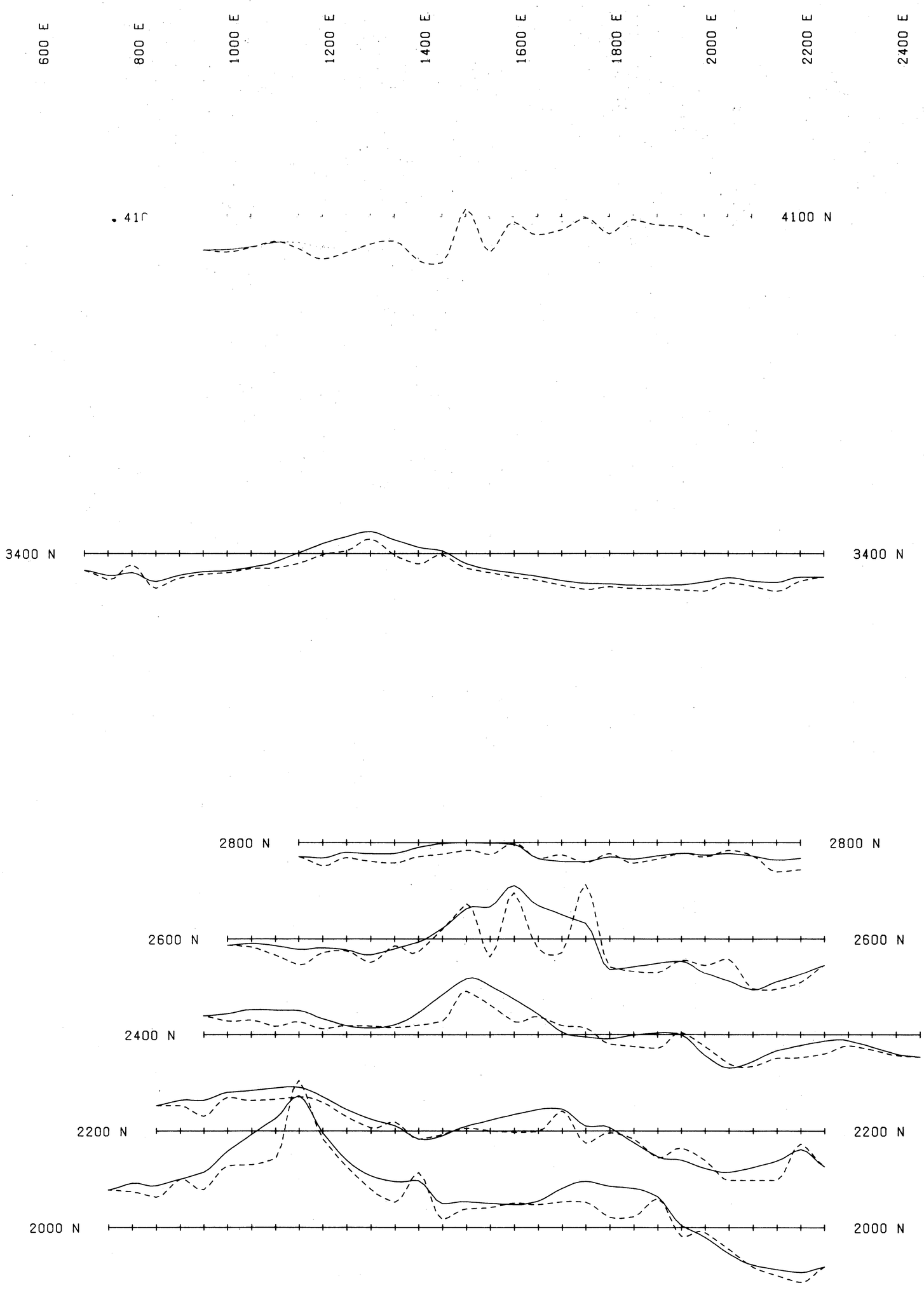
100 0 100 200 300

METRES

SJ GEOPHYSICS LTD.

FEBRUARY 1990

PLATE G2A



PROFILES POSITIVE UP

SOLID LINES : TOTAL TRIANGULAR FILTER 1.0 MSEC / CM
DASHED LINES: PARTIAL TRIANGULAR FILTER 1.0 MSEC / CM
BASE VALUE: 4 MSEC

INSTRUMENT USED: HUNTEC MK-2 TRANSMITTER
HUNTEC MK-4 RECIEVER

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,965
PART 2
OF 2

BAPTY RESEARCH LIMITED

SOUTH KOOTENAY GOLDFIELDS INC.

GILL PROPERTY

INDUCED POLARIZATION SURVEY

FILTERED CHAGEABILITY

FORT STEELE M.D. N.T.S. 82G

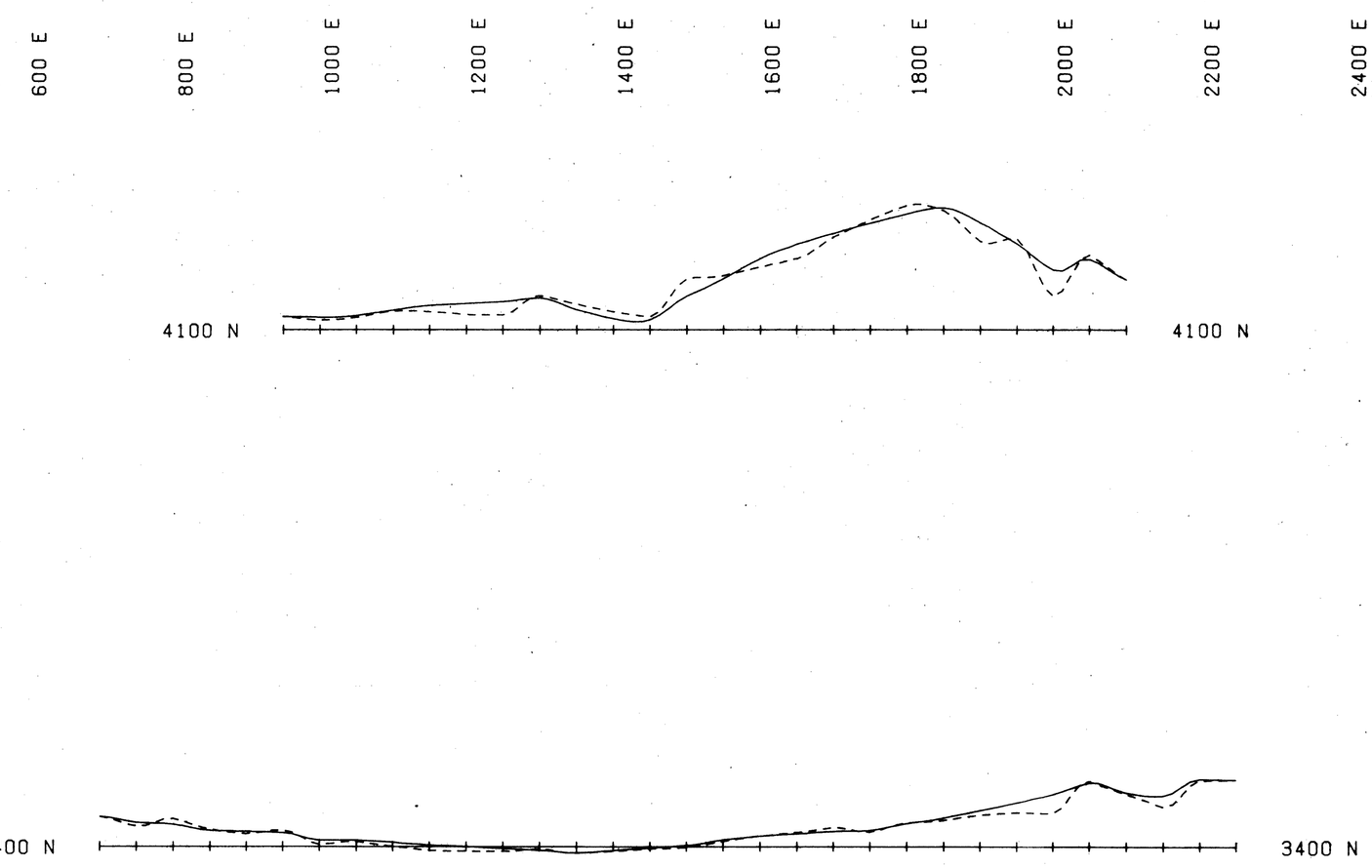
SCALE 1:5000

100 0 100 200 300

METRES

FEBRUARY 1990 PLATE G3A

SJ GEOPHYSICS LTD.



PROFILES POSITIVE UP

SOLID LINES : TOTAL TRIANGULAR FILTER
500 OHM-M / CM
DASHED LINES: PARTIAL TRIANGULAR FILTER
500 OHM-M / CM

INSTRUMENT USED: HUNTEC MK-2 TRANSMITTER
HUNTEC MK-4 RECIEVER

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,965
PART 2
OF 2

BAPTY RESEARCH LIMITED
SOUTH KOOTENAY GOLDFIELDS INC.
GILL PROPERTY
INDUCED POLARIZATION SURVEY
FILTERED RESITIVITY

FORT STEELE M.D. N.T.S. 82G

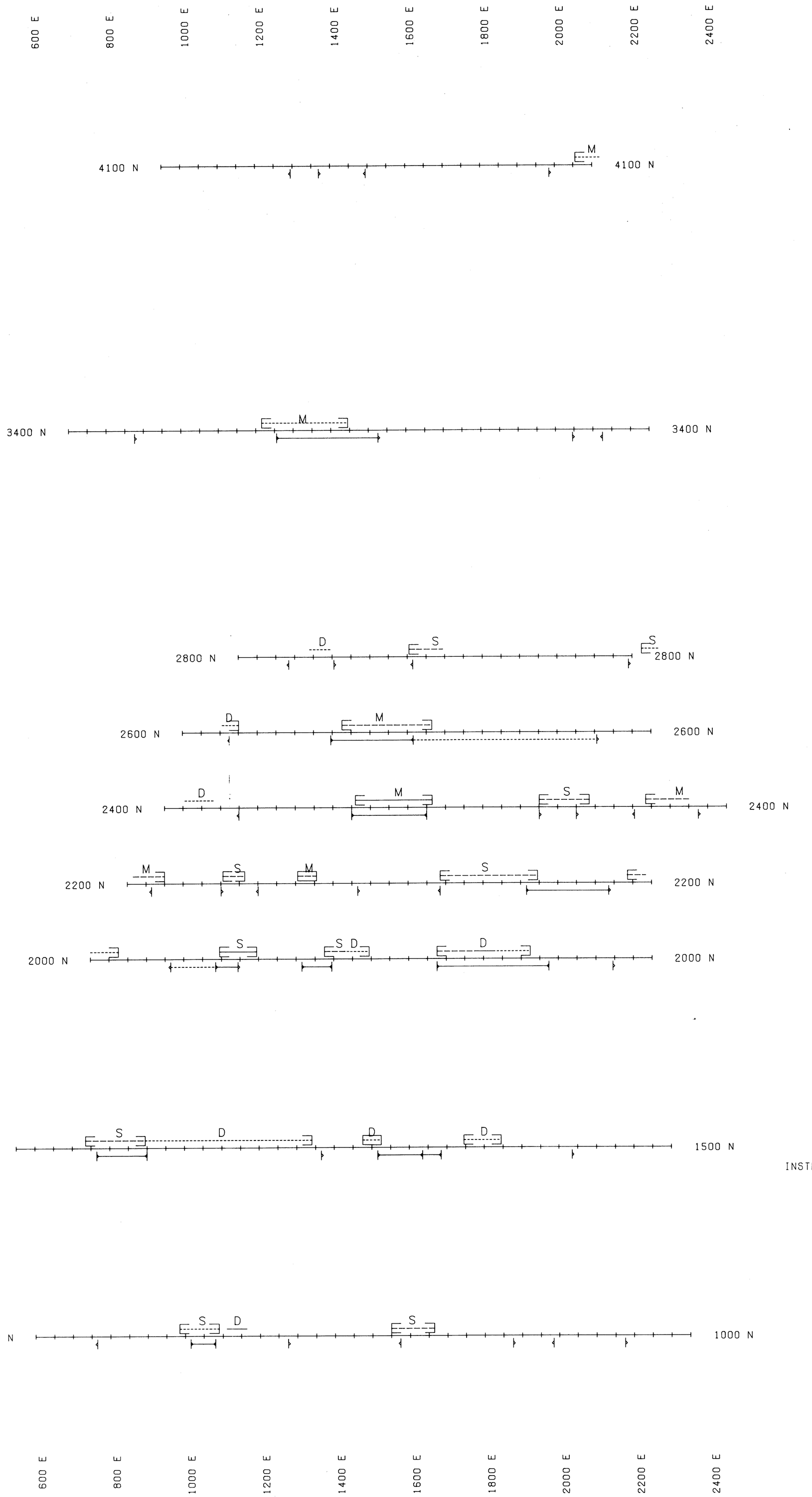
SCALE 1:5000

100 0 100 200 300

METRES

SJ GEOPHYSICS LTD.

FEBRUARY 1990 PLATE G3B



INSTRUMENT USED: HUNTEC MK-2 TRANSMITTER
HUNTEC MK-4 RECIEVER

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,965
PART 2 OF 2

BAPTY RESEARCH LIMITED
SOUTH KOOTENAY GOLDFIELDS INC.
GILL PROPERTY
INDUCED POLARIZATION SURVEY
COMPILATION MAP

FORT STEELE M.D. N.T.S. 82G

SCALE 1:5000

100 0 100 200 300

METRES

SJ GEOPHYSICS LTD.

FEBRUARY 1990

PLATE G4