REPORT OF

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL FIELD WORK

RAINBOW PROJECT, TULAMEEN DISTRICT,

SIMILKAMEEN MINING DIVISION, B.C.

October and November, 1996.

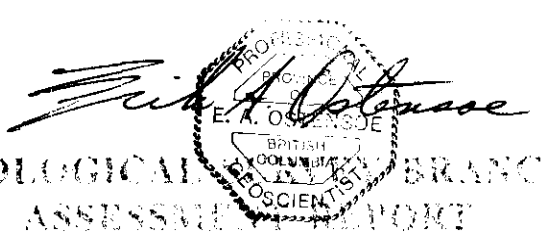
49 degrees 34' North Latitude
120 degrees 50' West Longitude

NTS Sheet 92H/10W.

Work by Erik A. Ostensoe, P. Geo. and T. E. Lisle, P. Eng.

Report by Erik A. Ostensoe, P. Geo.

Date of Report: January 15, 1997.



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0.1 SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

A program of grid preparation, geological mapping, geochemical sampling, and magnetometer surveying was carried out on the Rainbow Project claims during October and November, 1996 by Erik Ostensoe and Thomas Lisle. This work was a continuation of similar programs that the owners have been pursuing since 1992.

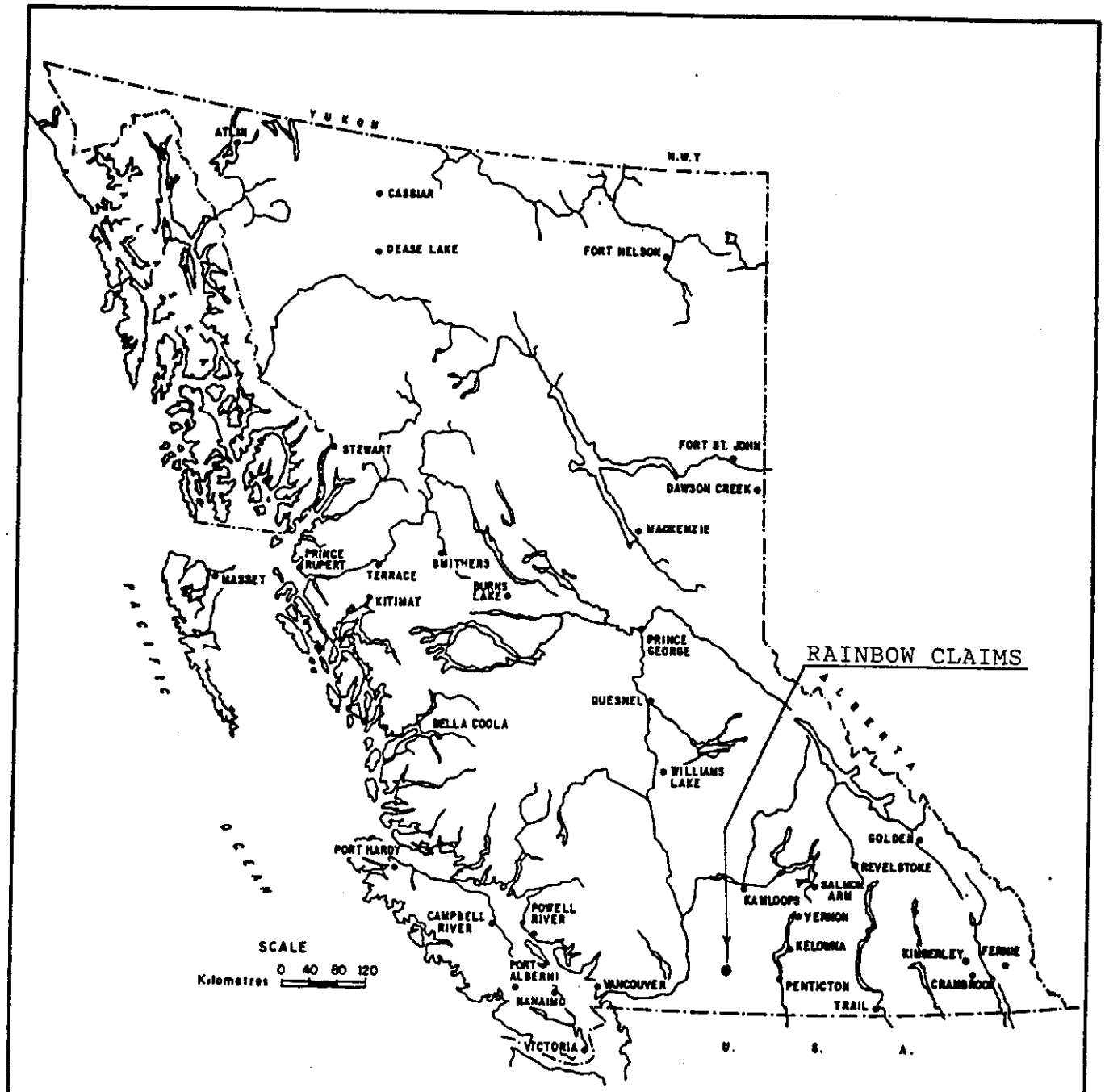
Geological mapping showed that the tuffaceous and andesitic volcanic rocks that are present in the central and northern parts of the property are replaced by dominantly andesitic and dioritic volcanic and intrusive rocks in the southern area. The rhyolite/feldspar porphyry unit that forms gossans in the central and northwestern parts of the property was not found to the south. Minor amounts of fine-grained sulphide minerals occur with feldspathic alteration. Analyses of geochemical samples revealed low copper values and several narrow zones of elevated gold values. The magnetometer survey showed a partially defined area of "high" magnetics in the central part of the newly prepared grid. This anomalous area has no outcrops and is unexplained.

Work during 1996 expanded coverage of the Rainbow Project. The owners believe that the original proposal, that the area has good potential to host valuable mineral deposits, remains valid and that the recent work has contributed useful data.

Further, more detailed, magnetometer surveys are required to better define the geometry of the newly recognized magnetically anomalous area. The possibility that the anomaly reflects the presence of an outlier of the Tulameen Ultramafic Complex deserves further study. A first step in such a study may be the PGE analysis of a few soil samples from the area. Several narrow low level gold anomalies should be further sampled and prospected. Steep cliffs that rise from the north side of Lawless Creek cannot be gridded but should be prospected as conditions permit. The advisability of carrying out a complete VLF-EM survey of the claims should be considered.

All surveys should be extended southerly to the limit of the property near the Tulameen River. Examination of several small areas south of Lawless Creek Forest Road that have been gridded but not surveyed should be completed. Soil samples from 1995 that have not been analysed should be processed to obtain maximum information. The northernmost part of the property has not been surveyed.

A compilation of available data, geological, prospecting, geochemical and geophysical, would be a useful tool in interpreting the potential of the area.



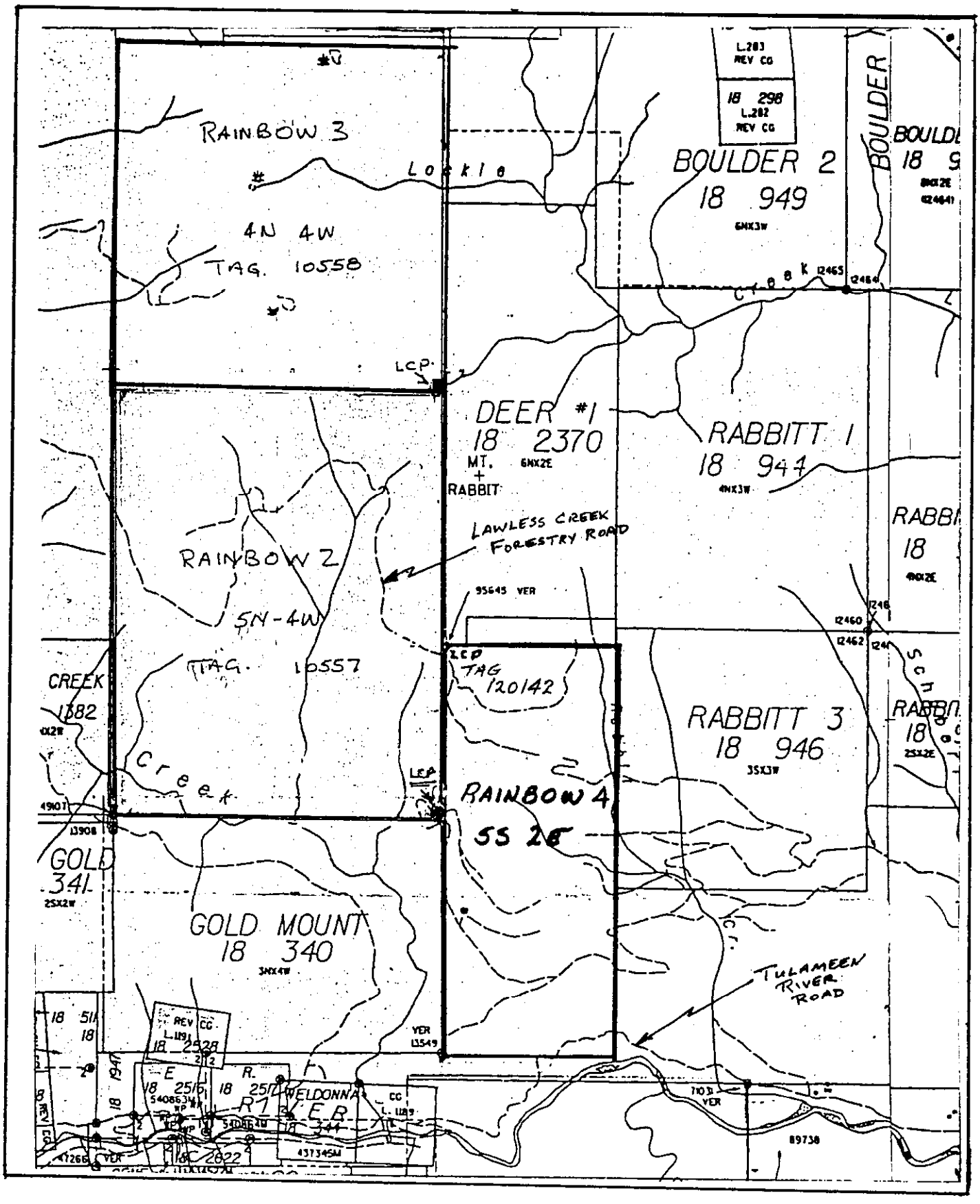
LOCATION MAP, RAINBOW CLAIMS

TULAMEEN AREA

SIMILKAMEEN MINING DIVISION

BRITISH COLUMBIA

Fig 1



RAINBOW PROJECT, CLAIM MAP.

BRITISH COLUMBIA CLAIM MAP 92 H 056

Figure 2.

1.0 INTRODUCTION

1.1 Introduction

The Rainbow Project comprises forty-six claim units in three four-post mineral claims owned jointly by Erik Ostensoe and T. E. Lisle and as detailed below:

Name	Record No.	No. of Units	Record Date	Current Expiry Date*
Rainbow 2	309158	20	May 6, 1992	May 6, 1999
Rainbow 3	309159	16	May 6, 1992	May 7, 1999
Rainbow 4	323956	10	March 1, 1994	March 1, 1999.

*1996 Work will be submitted in support of a Statement of Work to extend the expiry dates shown.

Mssrs. Lisle and Ostensoe, during October and November, 1996, completed a program of technical surveys on the southern part of the Rainbow Project area. This work was a continuation of similar work undertaken elsewhere on the claims by the same persons during 1994 and 1995 field seasons. The objective of the project is to thoroughly examine the geological setting of the claims and to search for mineral deposits, particularly gold-bearing quartz structures similar to those found nearby to the southwest on the Rabbit property, and massive sulphide-type deposits similar to those found to the east on the east side of Boulder Mountain. Platinum occurs at Grasshopper Mountain about three kms southwest of the property but is not known to be present on the Rainbow claims.

Work has in the past included prospecting, geological mapping, geochemical soil sampling, and a magnetometer survey. A VLF-EM survey was attempted during 1994 but may not have been properly executed. Work in 1996 comprised grid preparation, mapping, soil sampling and magnetometer surveying as discussed in following sections of this report.

Field work on the Rainbow property has in part been financed by grants from the Prospectors Assistance Program of the Energy and Minerals Division of the Ministry of Employment and Investment. The Annual Work Approval Number is **KAM 96-1500440-357**.

1.2 Location and Access

The Rainbow 1, 2, 3 claims are located from six to ten km west of the town of Tulameen, in the Similkameen Mining District (Figures 1, 2), on the west side of Rabbit Mountain. They are north

of Tulameen River and are almost entirely east and north of Lawless Creek. Elevations range from 840 metres at Tulameen River to 1646 metres at the northwest end of the claims.

Access to Tulameen is provided by 25 km of paved provincial road from Highway 3 at Princeton, B. C., 280 km east of Vancouver, or alternatively, by 30 km of logging road from Coquihalla toll booth on Highway 5. The Rainbow claims, as illustrated in Figure 2, are crossed by two roads: a lower road that follows Tulameen River at the south end of the claims; and a higher road, the Lawless Creek Forestry Road, that provides access to the middle and northern parts of the property.

1.3 Geography

The Rainbow claims are located in the Cascade Mountains of southern British Columbia in the Intermontane Physiographic Belt. Moderately steep slopes near major streams give way at higher elevation to gentle upland terrain. Forests of interior fir, with pine and cedar, where readily accessible, have been extensively logged; substantial damage from beetle infestations has occurred in recent years.

Tulameen, an unincorporated town of about 300 persons, offers basic services and accommodation. Princeton, a town of about 3000 persons, provides all support services required by mineral explorers.

1.4 Property History

The Tulameen area of southern British Columbia has attracted the attention of prospectors since the earliest miners found placer gold and platinum in the area and rich deposits of low grade coal a short distance south. Several copper prospects, mostly related to the felsic "Cousin Jack" horizon east of Rabbit Mountain, were explored by short underground adits and by several programs of diamond drilling. The Rabbit gold prospect, located southwest of the southwest corner of Rainbow 2 claim, hosted impressive lode gold occurrences and has recorded production of 1057 ounces gold from 1432 tons of quartz vein ore. Coarse placer gold is reported to have been recovered from the north side of Lawless Creek, on or near the Rainbow 2 claim.

The present owners of the Rainbow claims commenced work in 1992 and completed various reconnaissance and detailed technical surveys in ensuing years (i.e. Assessment Report 24302).

1.5 1996 Work

The author and T. E. Lisle, P. Eng., with the assistance of Prospectors Assistance Grant 96/97-P70, explored the southern portion of the Rainbow claims in the period October 8 through November 6, 1996. Work included preparation of 12 km of grid, geological mapping of approximately 3 square km area, 18 km of magnetometer survey, and gathering of 162 soil samples. Work was handicapped by early winter conditions that resulted in frozen ground and partial snow cover. Annual Work Approval Number is **KAM 96-150040-357.**

1.6 References

1. Camsell, Charles	Geology and Mineral Deposits of Tulameen District, British Columbia, Geol. Surv. Canada, Memoir 16, 1913.
2. Monger, JWH	Structural Evolution of the Southwestern Intermontane Belt, Ashcroft and Hope Map Area, British Columbia: in Current Research, Part A, Geol. Surv. Canada, Paper 85 - 1A, pp 349 - 358.
3.	Geology of the Hope and Ashcroft Map Areas, British Columbia Geol. Surv. Canada, Maps 41-1989, 42-1989
4. Lisle, T. E. and Ostensoe, E.	Prospecting Report on the Rainbow 2 and 3 Mineral Claims, Tulameen Area, Similkameen Mining Division, B. C., Assessment Report, 1993
5.	Geochemical and Geophysical Report on the Rainbow 2 and 3 Mineral Claims, Tulameen Area, Similkameen Mining Division, B. C., Assessment Report, 1995
6.	Geological and Geochemical Report on the Rainbow 2, 3 and 4 Mineral Claims, Tulameen, Similkameen Mining Division, B. C., Assessment Report 24302, 1995.

2.0 GEOLOGY OF RAINBOW PROJECT

2.1 Regional Geology

The Tulameen area is situated in the Intermontane Belt of southern British Columbia in a northwesterly trending terrain of Upper Triassic age Nicola Group volcanic and sedimentary rocks. The Nicola Group comprises a three-fold assemblage: an eastern portion of alkalic and calc-alkalic submarine volcanic rocks, lahar deposits, basaltic flows and high-level syenite stocks; a central section of subaerial and submarine andesite, basalt and co-magmatic intrusions of diorite and syenite; and a western belt of flows and pyroclastic rocks with andesitic to rhyolitic composition and minor interbedded limestone, volcanic conglomerate, sandstone and argillite. The Rainbow Project lies within the western belt.

Major intrusions are: the Upper Triassic age Tulameen Ultramafic Complex located south and southwest of Rainbow Project; the Eagle Granodiorite of apparent Upper Jurassic age which occurs along the west side, and Tertiary Otter granite intrusions located at and north of the town of Tulameen. Rocks are disrupted by northwest and northeast trending faults with unknown displacement.

Nicola volcanic rocks and related intrusions in southern British Columbia are host to several world-class mineral deposits, including the Brenda and Highland Valley copper-molybdenum mines, the Copper Mountain/Ingerbelle and Afton copper-gold mines, and the Craigmont copper-iron skarn deposit. The Tulameen River and its westside tributaries have produced substantial amounts of placer gold and platinum and low grade coal was produced for many years from Eocene age deposits located a few km south of Tulameen townsite. Several gold and base metal prospects have received substantial exploration work and prospecting is active throughout the Tulameen district.

2.2 Geology of the Rainbow Claims

Much of the Rainbow claims have been mapped in detail by Mssrs. Lisle and Ostensoe (i. e. Assessment Report No. 24302). Figure 4 of this report includes recently acquired additional information from the southern part of the claims.

The northern and western parts of the claims are dominated by tuffs, flows and tuff breccias of andesitic to dacitic composition, intruded by an extensive body of dark-grey to purplish coloured diorite/monzonite. A variably altered pale grey to greenish-grey rhyolite/feldspar porphyry unit is present in a broad northwesterly band that is poorly exposed from 1+50 west on line 12 north northwesterly to 6+00 west on line 25 north . A siliceous zone within the band carries up to 10%

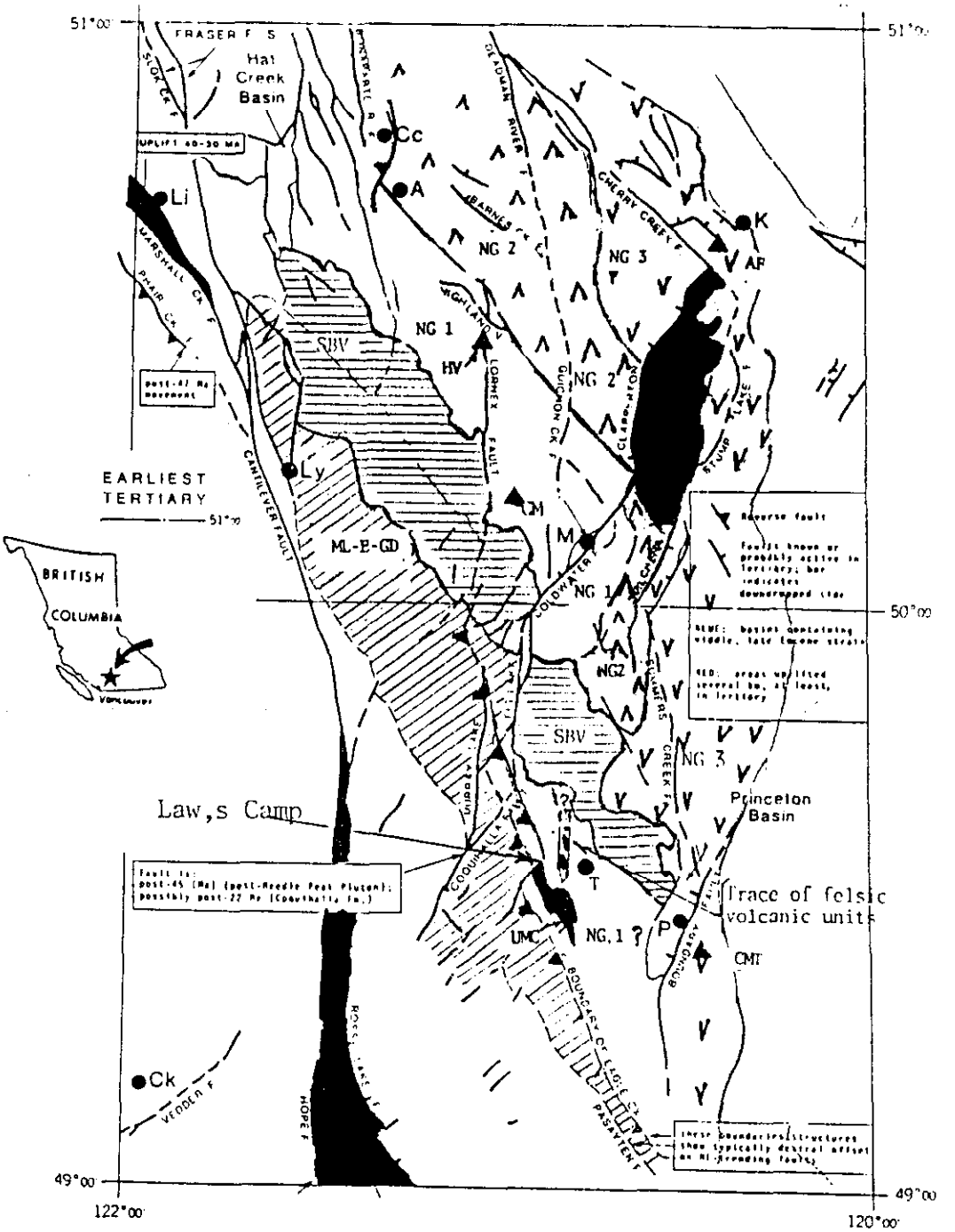


FIGURE 3.

GEOLOGICAL SKETCH, HOPE-ASHCROFT MAP AREAS (After Monger)

Showing major geologic units and mineral deposits.

LEGEND.

Cretaceous.	Spences Bridge Group	SBV
U.Triassic-L.Cretaceous.	Mt.Lytton-Eagle Granodiorite	ML-E-GD.
Late Triassic.	Nicola Arc Complex.	
	1)Western Volcanic Facies.	NG 1
	2)Central Volcanic Facies.	NG 2
	3)Eastern Volcanic Facies.	NG 3
Triassic-Jurassic.	Tulameen Ultramafic Complex.	UMC

PRINCIPAL MINES.		PRINCIPAL SETTLEMENTS.
Highland Valley	HV.	A.- Ashcroft. H.- Hope. K.-Kamloops. LY-Lytton.
Arton.	AF.	L.- Lillooet. M.- Merritt. P.- Princeton. T.- Tulameen.
Copper Mountain.	CMT	CC. Cache Creek. CK. Chilliwack.

pyrite and minor magnetite and chalcopyrite in skarn-like propyllitic chlorite, quartz, epidote alteration.

The southern parts of Rainbow 2 and 4 claims are underlain by andesite, brecciated, porphyritic and tuffaceous, and by diorites of various appearances. Alteration varies from moderate to strong and is typically propyllitic: feldspathic and epidotic. Sulphide minerals, pyrite and chalcopyrite, are present in small amounts. Deep overburden is present near the baseline between 0 + 00 and 7 +00 north.

3.0 GEOCHEMISTRY OF RAINBOW PROJECT

The geochemistry of the Rainbow claims has been investigated by collection of 1081 soil samples, of which 747 have been analysed by ICP methods for 30 elements and for gold by fire assay/atomic absorption. 334 samples taken as part of the 1995 work program remain in storage pending analysis.

162 samples were taken and analysed as part of the 1996 work program. Details of sample site, soil horizon, soil depth and characteristics, were recorded in the field on Sample Data Sheets that are included along with Geochemical Analysis Certificates in Appendix 1 of this report. Copper and gold analyses have been plotted on Figure 5 of this report. Figure 5 also displays copper and gold data for all previously analysed soil samples.

Figure 5 of this report is contoured to show the 10 ppb gold values. In general, the pattern of elevated gold in soil shows a northwesterly trend that obliquely crosses the property grid and in part correlates with the rhyolite/feldspar porphyry unit.

Soil samples from the 1996 work returned gold values as high as 333 ppb (one analysis of 1020 ppb gold was re-checked by the lab and returned 11 ppb). Three areas of anomalous gold values are present.

Copper in soil values are, in general, low to a maximum of 189 ppm. There is only a very feeble correlation of elevated copper and gold values.

4.0 MAGNETICS OF RAINBOW PROJECT

4.1 Introduction

An eighteen km grid located south of the Lawless Creek Forestry Road was surveyed during 1996 using a EG+G model G-856 proton magnetometer. Observations were recorded at 25 metre intervals and data have been compiled in Figure 6 of this report.

A data sheet describing the design and operation of the G-856 magnetometer is included as Appendix III of this report.

The claim owners acknowledge with thanks the cooperation and assistance of Better Resources Ltd., owner of the magnetometer, and of Gary H. Giroux, P. Eng., who prepared Figure 6.

4.2 Magnetics of Rainbow Claims

A EG+G model G-856 magnetometer was employed in the Rainbow property survey. A second instrument that would have been used as a recording base station was not available so that the operator relied upon repeated observations at certain locations to ensure that the survey was completed in a period of low magnetic activity. No unusual variations in the magnetic field that may have been related to magnetic storms were noticed.

The survey totalled 18 km, with observations at 25 metre intervals on east-west lines spaced 100 metres apart. The survey area extended from line 7+00 North to line 7+00 South and from 1000 metres east of the base line to as far as 8+50 metres west. Data were retrieved from the module and plotted as Figure 6 of this report using a "Fast-CAD" computer method and a contour interval of 200 nT.

Figure 6 shows little variation in the magnetic field outside of the area enclosed by line 0+00 south to line 5+00 south. Small amplitude apparent anomalies in the northwest part of the figure may result from steep topography as no particular geological features that might have influenced the magnetic field were noted in that part of the area. A sharply defined anomaly oriented north-south and with amplitude in the order of 2300 nT occurs at 2+00 E on lines 0+00 and 1+00S, with probable continuations both to the west and southeast. A thumb-print anomaly with similar amplitude centered at 5+00 E on line 1+00 S has a one reading source and lacks any dipole effect and is not given much credence. The broad 2000 nT magnetic high that occupies the area from 6+50 East on line 1+00 S southeasterly at least as far as the east end of line 3+00 S is not completely defined by the survey. It occurs in a flat area of no outcrops and, speculatively, may

represent an area of strongly magnetic rocks, such as Tulameen Ultramafite, that, if present, may have important economic implications.

APPENDIX I.

Geochemical Data Sheets

Geochemical Analysis Certificates

O 1450-9450E

GEOCHEMICAL DATA

PROJECT: Rainbow
GENERAL LOCATION: Tulameen

SAMPLER: Erik Ostensoe
DATE: Nov. 5, 1996
NTS MAP SHEET: 92 H · 10W

LOCATION: NTS / UTM / GRID ✓

	NORTH SOUTH	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	0+00	9+50	Soil	0.2	B	Brown	Alluvium	35	5	5	35	20	-	15° slope- south. W side of small cr.
2		9+00		0.2	B	Dk brown	"	30	10	5	40	15	-	Some fine talus.
3		8+50		0.25	B	Yellow brown	modified till	25	5	20	35	15	-	Under alluvium layer
4		8+00		0.35	B	medium brown	Alluvium?	50	-	5	25	20	-	Gravel 0.5 to 1.5 cm.
5		7+50		0.25	B	Yellow brown	Till/alluv.	40	5	10	20	25	-	8° slope- south.
6		7+00		0.35	B	Brown	Glacial-fluvial	50	✓	5	25	20	-	Fair quality.
7		6+50		0.25	B/C	Light brown	Till	35	-	25	25	15	-	
8		6+00		0.30	B	Pale brown	Till	45	-	30	15	10	-	
9		5+50		0.20	B	Red-brown	Glacial-fluvial	40	-	20	30	10		Fair quality.
10		5+00		0.25	B	Red brown	G-f ?	30	-	25	30	15		Good material
		4+50		0.25	B	Rich red brown	G-f?	25		20	30	25		Lower slope. Good. End of spl. line.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

25 L 5-10E

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: Tulameen, B.C.

SAMPLER: Erik Ostensoe
DATE: Nov. 5, 1996
NTS MAP SHEET: 92H-10W

LOCATION: NTS / UTM / GRID ✓

	NORTH SOUTH	EAST WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	2+00	5+00	Soil	0.2	B	Dk red brown	Fine soil + talus	25	5	20	30	20	Diorite	On slope - 15°E.
2		5+50		0.2	B	Light brown	"	25	✓	25	30	20	-	Lower slope
3		6+00		0.25	B	Red brown	clayey soil	20	✓	45	25	10	-	Flat. Beside v. old log road
4		6+50		0.25	B	Dark red/maroon	clay	-	✓	100			-	Flat. V. gummy.
5		7+00		0.25	B	Grey Brown	clay	-		80	15	5	-	" " , Lacustrine?
6		7+50		0.25	B/C	Red brown	Till/clay	20	-	65	10	5	-	Flat. Logged ~1960.
7		8+00		0.20	B	Deep red	Till ?	10		80	5	5		" " Lacustrine?
8		8+50		0.25	B	Yellow brown	Till	15		70	10	5		Flat. Under soil layer
9		9+00		0.25	B	Orange brown	Till ?	20		60	10	10		Flat. Good material
10		9+50		0.25	B	Red brown	Till ?	20		65	10	5		Flat
		10+00		0.40	B	Dk red brown	Soil	-		70	15	15		Flat ground E.O.L.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

L
4S 0-5E

GEOCHEMICAL DATA

PROJECT: RAINBOW -
GENERAL LOCATION: TULAMEEN.

SAMPLER: T. LISLE
DATE: OCTOBER, 1986
NTS MAP SHEET: 92 N 10 W.

LOCATION: NTS / UTM / GRID ✓

	SOUTH	EAST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	4+00	0+00	Soil											No Sample.
2	"	0+50	"	0·25	B	Pale Br.	G.F. TILL	+20%	L	L	M.	H		Gravelly. (Reworked?)
3	"	1+00	"	0·35	B	"	G.F.?	+20%	L	L	M	H		"
4	"	1+50	"	0·30	B	"	" ?	+15%	L	L	M	H		
5	"	2+00	"	0·25	B	"	TILL?	±15%	L	L-M	M	M		Below Outcrop.
6	"	2+50	"	0·30	B	"	TILL?	±15%	L	M	M	M		Near Oc.
7	"	3+00	"	0·15	C	Blk.	Rocky TILL		L	M	M	M		Subcrop.
8	"	3+50	"	0·35	B	Y-R. Br.	GF?	High.	L.	M	M	H		
9	"	4+00	"	0·20	B	Pale Br.	TILL	Mod.	L.	M	M	M		
10	"	4+50	"	?	B	"	TILL	Mod.	L	M?	M	M-H		
	"	5+00	"	0·35	B	Y-R Br.	"	Mod.	L	L	H	L.		Silty - Reworked?

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

L

45 5+50-10

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN
SAMPLER: T. LISLE / E. Ostensoe
DATE: OCTOBER, 1996 November, 1996.
NTS MAP SHEET: 92 H 1 DW.

LOCATION: NTS / UTM / GRID ✓

	SOUTH	EAST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	4+00	5+50	SOIL	0.25	B?	R.Br.	TILL		L	M	H	M		Cobbles + some pebbles
2	"	6+00	"	0.15	C	Br.	"		L-M	L-M	H	?		ON BEDROCK
3		6+50	"	0.20	B/C	Grey brown	Till	20		50	25	5		
4		7+00		0.15	B	Red-brown	"	20	L	50	25	0-5	otter intr.	shallow cover soil.
5		7+50			B	Red-brown	" (?)	30		50	15	5		Good soil material.
6		8+00		0.25	B	Red-brown	"	25		45	20	10		" " "
7		8+50		0.20	B	Dark red	Residual soil	20		40	30	10	Mixed otter intr./andesite	
8		9+00		0.15	B	Red brown	"	30		30	30	10		Good soil
9		9+50		0.15	B	Red brown	Till	20		45	25	10	otter intr.	Orange syeno-diorite
10		10+00	—	-	—	—	-	-		-	-	-	-	Boggy. No soil.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

55 L 0-5E

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN

SAMPLER: T. LISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92 H 10 W.

LOCATION: NTS / UTM / GRID
SOUTH [redacted] EAST [redacted]

	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
5+00 0+00	Soil	0.30	B	Pale Br	Till	?	L	M	M	H		
" 0+50	"	0.35	B	"	Glacio fluvial?	+25%	L	L	M	H		Gravelly - Reworked?
" 1+00	"	0.25	B/C	"	Till?	>20%	L	L	M	H		Hard
" 1+50	"	0.15	C	"	Till	>10%	L	L	M	H		Near Bedrock
" 2+00	"	0.30	C	"	Talus Fines		L	L	M	H		Angular Rk Frags.
" 2+50	"	0.20	C	Br	Till	>10%	L	L	M	H		" " " + pebbles
" 3+00	"	0.35	C	Br	Talus Fines	>10%	L	L	L	H		Rock Sample.
" 3+50	"	0.30	C	Pale Br	Till		L	L	M	H		Subcrop. by OC.
" 4+00	"	0.10	C	Br	"		L	M	M	M		On Bedrock.
" 4+50	"	0.35	C	Pale Br	"	±10%	L	L	M	H		
" 5+00	"	0.35	C	"	Glacio fluvial?	15%	L	L	M	M		Angular to Rounded Pebbles. Near Bedrock.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

L

55 5+50-10E

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN
SAMPLER: T. CLISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92 H 10W.

LOCATION: NTS / UTM / GRID ✓

	[redacted] SOUTH	EAST [redacted]	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	5+00	5+50	SOIL	0·15	C	Pale Br.	TILL	+10%?	L.	L	M	H		ON BEDROCK
2	"	6+00	"	0·15	C	"	TILL	+10%?	L	L	M.	H		SUBCROP.
3	"	6+50	"	0·35	C	"	"	±10%?	L	L.	M	H		"
4	"	7+00	"	0·30	B	Br	G.F. ?	" ?	L	L	M	H		Glacio fluvial ?.
5	"	7+50	"	0·20	C	Y. Br.	TILL	15%	L	L	M	H		
6	"	8+00	"	0·25	C	Pale Br.	"	?	L-M	L				ANGULAR FRAGS. ON BEDROCK
7	"	8+50	"	0·30	B	Pale Br	"	+25%	L	L	M.	H		Basal Till ?
8	"	9+00	"	0·15	C	"	TILL?	+15%	L	L?	M?	H		SUBCROP !
9	"	9+50	"	0·20	B. C?	Br	"	15%.	L	L	M	H		New Bedrock
10	"	10+00	"	0·35	B	Br.	GF ?	+20%	L	L	M	H.		

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

65 L 0-4+50

GEOCHEMICAL DATA

PROJECT: Rainbow
GENERAL LOCATION: Tulameen

SAMPLER: Erik Ostensoe
DATE: October 13, 1996
NTS MAP SHEET: 92H-10W

LOCATION: NTS / UTM / GRID ✓

	~~NORTH~~ SOUTH	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	6+00	0+00	Soil	0.20		Yellowish	Alluvium	30		15	30	20		Flat ground above Lawless Cr.
2		0+50		0.15		Dark brown		25		35	20	20		slopes ~10°s. Fair sample
3		1+00		0.15	C	med. brown	Talus fines + silt						60% talus	40% soil. Poor.
4		1+50		0.25	C	Grey brown	"			20			65% talus	Poor
5		2+00		0.20	C	Light brown	clay till	15						25° slope with talus.
6		2+50		0.25	C	Light brown	Till + clay	15		65				20° slope
7		3+00		0.15	C	Brown	clay till	25		45	20	10		
8		3+50		0.20		Grey	clay till	15		45	20	20		
9		4+00		0.10		Red brown	Alluvium	25		65				Very rocky.
10		4+50		0.10	C	Grey-brown	Very thin clay till.	10		75	-15-			

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

L
65 5-9E

GEOCHEMICAL DATA

PROJECT: Rainbow
GENERAL LOCATION: Tulameen, B.C.

SAMPLER: Erik Ostensoe
DATE: October 13, 1996.
NTS MAP SHEET: 92H - 10W

LOCATION: NTS / UTM / GRID ✓

	NORTH/SOUTH	EAST/WEST	Survey type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	6+00	5+00	Soil	0.10	B/C	Light yellow brown		15		65	10	10		Very thin soil.
2		5+50		0.10	C	Ash-grey		15		50	25	10		Thin soil.
3		6+00		0.10	B	Reddish brown	modified till	30		40				On bedrock.
4		6+50			C	Light brown	Talus and till	30		40	20	10		
5		7+00		0.10 -0.15	C	Light brown	Talus + clayey dirt	30		50	20			
6		7+50		0.10 -0.15	C ?	Light brown		30		60	10			Very rocky terrain
7		8+00		0.15		Reddish brown	clayey soil with talus chips.	60		30	10			Pyrite + cpyr in bedrock.
8		8+50		0.15		Grey-brown	Till	35		30	25	10		
9		9+00		0.20		Reddish brown	Till	35		30	25	10		
10	✓	10+00		0.10	C	Grey	clay till							

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COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

75 L 1-5150E

GEOCHEMICAL DATA

PROJECT: Rambow
GENERAL LOCATION: Tulameen, B.C.
SAMPLER: Erik Ostensoe
DATE: October 13, 1996
NTS MAP SHEET: 92H - 10W

LOCATION: NTS / UTM / GRID ✓

	~~NORTH~~ SOUTH	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	7+00	1+00	Soil			Yellow	Alluvium	✓✓		0	✓			Rounded pea gravel.
2		1+50		0.40	B									Limonitic soil with talus fines. Fair.
3		2+00			C	Yellow-maroon	Talus fines (coarse)			✓	✓			25° slope to South. Fair.
4		2+50			C	"	clay + talus fines							Steep slope. Fair
5		3+00		0.05	B?	Medium brown	clay on angular talus	Talus 35%		25	25	15		Poor sample
6		3+50		.05-.10	B?	As above.								" "
7		4+00		.10	B?	med. brown	clay + talus			✓	✓			Better than the above
8		4+50		.10	B	Red brown	"							Much outcrop. Good soil.
9		5+00		.05-.15		Grey brown	30% talus	clay till		30	30			10° slope to south
10		5+50		.20	C	Reddish brown	clay, soil, Till?	15% frags.		60	-25%-			

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

L
75 6-10E

GEOCHEMICAL DATA

PROJECT: Rainbow
GENERAL LOCATION: Tulameen, B.C.

SAMPLER: Erik Ostensoe
DATE: October 13, 1996
NTS MAP SHEET: 92H - 10W.

LOCATION: NTS / UTM / GRID ✓

	~~NORTH~~ SOUTH	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	7+00	6+00	Soil		C	Very pale brown	modified till?	✓		✓		✓		Gentle slope
2		6+50				Grey	Till?	✓✓		✓✓				clayey soil with rounded pebbles
3		7+00		0.15	C	Brown grey	modified till?	✓		✓✓				
4		7+50		0.15	C	Grey brown	modified till			✓✓				
5		8+00		0.15	C	Brown	"			✓✓				As above but better material.
6		8+50		0.20			clayey alluvium	✓✓						Stream gravels + soil. Fair quality.
7		9+00		0.15	C	Grey	coarse stream gravels	35		✓✓				Slope 10° to south.
8		9+50		0.15	C	Grey	clayey soil	✓✓		✓✓				Very similar to 9+00E.
9		10+00		0.15	C	"	Gravel and soil	✓✓		✓	✓	✓		coarse gravel
10														

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
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MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

1N 0-5E

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN.

SAMPLER: T. LISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92H 10W

LOCATION: NTS / UTM / GRID ✓

	NORTH ~~SOUTH~~	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	1+00N.	0+00	SOIL											
2	"	0+50	"											
3	"	1+00	"	0·25	B	Grey to Lim. Br.	Glaciofluvial?	—	L	H	H	L		OLD LOGGING DISTURBED AREA
4	"	1+50	"	0·30	B	Lt. Br.	"	0	L	H	M.	L		REWORKED TILL?
5	"	2+00	"	0·30	C?	Y Br.	TILL?	<5	L	H	H.	L		
6	"	2+50	"	0·35	B	Br.	TILL	<5	L.	H.	M	L		
7	"	3+00	"	0·20	B	Br.	TILL.	+20	L	M	M	L		OLD ROAD.
8	"	3+50	"	0·35	B	Br.	"	5	L.	M	M	L		Glaciofluvial?
9	"	4+00	"	0·35	B	Pale Br.	"	5-10	L	M	M	L		
10	"	4+50	"	0·35	B	Br.	TILL	10-15	L	M	M	M.		
11	"	5+00	"	0·30	B	Br.	"	10%	L.	M	M	M		PEBBLES, COBBLES ANGULAR TO ROUND.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
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COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

L
IN 5+50 - 10E

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN
SAMPLER: T. LISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92H 10W

	LOCATION NORTH	LOCATION EAST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	1+00N	5+50	SOIL	0.35	B	BR	TILL	10-15%	L	M	M	M		
2	"	6+00	"	0.20			TALUS FINES							TALUS FINES - POOR.
3	"	6+50	"	0.35	C?	BR.		15%	L.	M	M	M		Pebbles Avg To Round.
4	"	7+00	"	?	C	BR.	TILL	+15%	L	L	L	H		AT BEDROCK.
5	"	7+50	"	0.35	C?	BR.	"	15%	L	M	M	H		
6	"	8+00	"	0.25	C?	R BR.		+15%	L	L	L			SUBCROP? AWAWANA FLOW
7	"	8+50	"	0.30	B	PALE BR	"	±20%	L	M	M.	H		
8	"	9+00	"	0.30	B	"	"	±20%	L	M	M	H		
9	"	9+50	"	0.30	B	BR.	"	±10	L	M	M	M		W BANK OF CK.
10	"	10+00	"	0.30	B?	PALE BR.	"	10%	L	M	M.	L		E BANK OF CK.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
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L
2N O-SE

GEOCHEMICAL DATA

PROJECT: RAINBOW.
GENERAL LOCATION: TULAMEEN.
SAMPLER: T. LISLE
DATE: OCTOBER, 1996.
NTS MAP SHEET: 92H 1DW.

LOCATION: NTS / UTM / GRID ✓

	NORTH ~~SOUTH~~	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	2+00 N.	0+00	Soil	0.30	B	BR.	TILL?	±10%	L	L	M.	H		
2	"	0+50E	"	0.50	B	BR.	TILL?	+25%	L	L	M.	H		GRAVELLY · REWORKED?
3	"	1+00E	"	0.35	B		TILL	±10%	L	L	M.	M.		ROAD BANK (1.0 M down)
4	"	1+50E	"	0.35	C?	R.BR.	"	+10%	L	L	M.	M.		Pebble till
5	"	2+00E	"	0.35	B? C?	R.B.	"	+10%	L	L	M	M		
6	"	2+50E	"	0.30	B	Y BR	"	15%.	L.	M	M	M.		
7	"	3+00E	"	?	B	BR.	"	±20%	L	M.	M.	M		REWORKED TILL?
8	"	3+50E	"	0.35	B	BR.	"	±10%.	L	M	M.	M		
9	"	4+00E	"	0.35	B? C?	R.BR.	"	?	L	M.	M.	M.		REWORKED TILL?
10	"	4+50E	"	0.30	B	BR.	"	5%	L	M	M	M		PEBBLY
11	"	5+00E	"	0.30	B	BR.	"	5?-10%	L	M	M	M		

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
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L

2N 5+50-10E

GEOCHEMICAL DATA

PROJECT: RAINBOW'
GENERAL LOCATION: TULAMEEN

SAMPLER: T. LISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92H 10W

LOCATION: NTS / UTM / GRID ✓

	NORTH ~~SOUTH~~	EAST ~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	2+00	5+50E	SOIL	0·30	C?	Br.	TILL	5-10	L	M	M	M.		Pebbly, cf to 5+00E
2	"	6+00E	"	0·30	B	R Br	"	10-15	L	M	M	M		
3	"	6+50E	"	0·30	B. C?	Y. Br.		<10	L.	M	M	M		
4	"	7+00E	"	0·35	C?	Br.		±10%	L	M	M	M		
5	"	7+50E	"	0·30	B	Br.		± 10	L.	M.	M	M		
6	"	8+00G	"	0·40	C	Y.Br.		±15%	L	M	M.	M		
7	"	8+50E	"	0·50	C?	Br.		15-20	L	M	M	M.		
8	"	9+00E	"	0·35	?	Br.		>25%	L-M					POOR MIXTURE OF TILL ROAD FILL & TALUS FINES
9	"	9+50E	"	0·30	B	Br.		10%	L	M	M	M		1·0 M down - W of CK Bank OF OLD ROAD.
10	"	10+00E	"	0·35	B?	Pale Br		±10	L	M	M	M		E. of CK.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
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3N L 0-5E

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN

SAMPLER: T. LISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92H 10W

LOCATION: NTS / UTM / GRID ✓

	NORTH	EAST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	3+00	0+00	Soil.	0·40	B.	Br.	Glaciofluvial? TILL?	25%	L.	M	M	H		Gravelly Reworked ? Till
2	"	0+50	"	0·60	B?	BR.	Glaciofluvial	+25%	L	M	M.	M.		
3	"	1+00	"	0·35	B	Br.	Glaciofluvial	+25%	L	M	M	L		Abundant cobbles Gravelly
4	"	1+50	"	0·45	B	BR.	"	+25%	L.	M	M.	M		Sl. Limonitic.
5	"	2+00	"	0·45	B	BR.	TILL	15?20%	L	M	M.	H		Near Road
6	"	2+50	"	0·50	B	BR.	TILL	20?	L	M	M.	H		
7	"	3+00	"	0·25	B	Br	TILL	±10%	L	M	M	H		
8	"	3+50	"	0·35	B	BR.	TILL	?	L	M	M	M.		Road Bank 1.0M down.
9	"	4+00	"	0·30	B	BR	TILL	15%	L.	M	M	M.		
10	"	4+50	"	·25	B	BR	"	±15%	L	M	M	M.		
	"	5+00	"	0·40	B	BR.	"	?	L	M	M	M.		

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
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COLOUR: Br. Brown. Bl. Black. R. Red. G. Grey. O. Orange. Dk. Dark. Lt. Light.
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L
3N 5+50-10

GEOCHEMICAL DATA

PROJECT: RAINBOW
GENERAL LOCATION: TULAMEEN
SAMPLER: T. LISLE
DATE: OCTOBER, 1996
NTS MAP SHEET: 92H 10W.

LOCATION: NTS / UTM / GRID ✓

	NORTH [redacted]	EAST [redacted]	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	3+00	5+50	Soil	0·30	B	Pale Br.	Glaciofluvial?	25%	L	M	M.	H		Reworked? Till.
2	"	6+00	"	0·35	B?	Br.	Till?	20%	L	?	M	M		Poor Sample. Bottom of Road Bank.
3	"	6+50	"	0·35	B	Br.	Till?	±10%	L.	M	M	H		Upper side of Road. 10 Metres North.
4	"	7+00	"	0·30	B	Br	Till	20%	L.	M	M	M.		Steep Bank - Possibly Reworked till
5	"	7+50	"	0·30	B	Br.	"	>10%	L	M	M	M.		
6	"	8+00	"	0·40	B	Br.	"	>10%	L	M	M	H-M		Pebbly. Location Approximate.
7	"	8+50	"	0·30	B.	Br.	"	>20%	L	M	M	M		Pebbly
8	"	9+00	"	0·15	C	Br	"	<10%	L	H-M	H-M.	L.		
9	"	9+50	"			Br.	Talus Fines.	~~??~~						Abundant Rock Frags
10	"	10+00	"	0·25	C?	G-Br.	Till	7/10	L.	H	H.	L.		Base of Road Cut. 1·5M below Top.

SURVEY TYPE: S=Soil; SS=Silt; R=Rock Chip
DEPTH: Measured in meters.
HORIZON: Marked A, B, or C
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ORGANICS: Visual estimate of organic content.
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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

T.E. Lisle & Associates PROJECT HAT File # 96-6590 Page 1

145 W. Rockland Road, North Vancouver BC V7N 2V8

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
96 R-1	5	6	5	4	<.3	8	1	47	1.43	6	<5	<2	2	10	<.2	<2	<2	3	.04	.013	14	20	.01	47	<.01	6	.18	.06	.17	5	5
96 R-2	2	173	<3	5	<.3	30	29	115	2.00	34	<5	<2	<2	35	<.2	<2	4	54	.84	.087	5	23	.28	6	.20	4	.60	.04	.04	<2	1
96 R-3	1	7	<3	18	<.3	3	10	548	3.16	<2	<5	<2	<2	107	<.2	<2	<2	96	1.66	.146	11	6	1.86	33	.20	3	2.03	.07	.05	<2	<1
RE 96 R-3	1	7	<3	18	<.3	5	11	522	3.16	<2	<5	<2	2	107	<.2	<2	<2	97	1.64	.144	11	6	1.87	33	.20	4	2.03	.07	.04	<2	<1

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.
ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
- SAMPLE TYPE: P1 ROCK P2 TO P7 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.(10 GM)
Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

DATE RECEIVED: DEC 13 1996 **DATE REPORT MAILED:** Dec 24/96. **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Data___ FA ___

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
3N 0+00E	1	44	7	167	<.3	21	18	1240	3.93	<2	<5	<2	2	36	.4	2	<2	82	.45	.136	15	33	.85	271	.07	<3	2.57	.01	.13	<2	1
3N 0+50E	1	60	5	182	<.3	22	20	1068	4.36	<2	<5	<2	2	36	.5	<2	<2	90	.45	.209	16	35	.91	245	.08	<3	3.08	.02	.10	<2	1
3N 1+00E	1	50	18	143	<.3	21	19	1320	4.07	<2	<5	<2	<2	44	.5	<2	<2	83	.73	.102	14	31	.87	272	.05	<3	2.60	.01	.13	<2	2
3N 1+50E	1	37	8	214	<.3	17	14	1154	3.41	<2	<5	<2	2	34	.3	<2	<2	68	.46	.156	10	27	.74	270	.06	<3	2.39	.02	.11	<2	1
3N 2+00E	1	30	8	211	<.3	17	11	799	3.18	2	<5	<2	<2	38	<.2	<2	<2	66	.46	.116	10	27	.73	184	.07	<3	1.84	.02	.13	<2	8
3N 2+50E	1	34	9	186	<.3	18	13	1188	3.32	<2	<5	<2	2	25	<.2	<2	<2	66	.30	.148	14	22	.67	266	.06	<3	2.28	.01	.11	<2	1
3N 3+00E	1	43	8	116	<.3	18	16	947	3.83	<2	<5	<2	3	28	<.2	<2	<2	73	.38	.128	24	24	.83	292	.04	<3	2.98	.01	.17	<2	<1
3N 3+50E	1	47	8	96	<.3	19	15	805	3.87	<2	<5	<2	2	33	<.2	<2	<2	82	.43	.076	22	30	.85	198	.06	<3	2.13	.01	.14	<2	2
3N 4+00E	1	44	8	101	<.3	19	14	545	3.95	<2	<5	<2	2	27	<.2	<2	2	86	.36	.105	16	28	.84	181	.06	<3	2.16	.01	.13	<2	6
3N 4+50E	1	43	7	130	<.3	20	14	817	3.84	<2	<5	<2	2	32	<.2	3	<2	87	.42	.110	10	27	.80	194	.07	<3	2.00	.01	.12	<2	2
3N 5+00E	2	67	12	93	<.3	23	17	810	4.66	5	<5	<2	3	39	<.2	<2	<2	111	.54	.112	23	36	1.28	101	.06	<3	2.37	.01	.12	<2	9
3N 5+50E	1	45	5	122	<.3	21	13	924	3.77	<2	<5	<2	<2	27	<.2	<2	<2	82	.34	.120	15	30	.78	170	.05	<3	2.18	.02	.13	<2	1
3N 6+00E	1	54	14	165	<.3	25	16	1708	3.88	<2	<5	<2	<2	41	.4	<2	<2	82	.59	.163	17	32	.96	195	.05	<3	2.14	.02	.14	<2	2
3N 6+50E	2	70	17	92	<.3	18	16	840	4.34	3	<5	<2	2	41	<.2	<2	<2	106	.53	.044	24	35	1.07	66	.07	<3	1.97	.01	.07	<2	3
3N 7+00E	1	94	14	179	<.3	22	20	1522	4.78	<2	<5	<2	2	44	.5	<2	2	97	.62	.115	20	38	1.36	139	.06	<3	2.71	.02	.15	<2	5
3N 7+50E	1	65	9	162	<.3	23	16	1050	4.15	2	<5	<2	2	32	<.2	<2	<2	87	.40	.136	18	34	1.02	160	.07	<3	2.46	.01	.12	<2	1
3N 8+00E	1	56	6	144	<.3	27	15	692	4.09	<2	<5	<2	<2	30	<.2	<2	2	87	.39	.104	13	36	1.00	108	.05	<3	2.15	.01	.12	<2	1
3N 8+50E	1	56	7	110	<.3	20	14	681	3.95	<2	<5	<2	2	28	<.2	<2	<2	86	.33	.069	15	37	.93	118	.06	<3	2.23	.01	.08	<2	1
3N 9+00E	1	88	16	161	<.3	23	16	1767	4.26	<2	<5	<2	<2	29	.3	<2	<2	91	.50	.097	39	40	1.02	160	.05	<3	3.02	.01	.09	<2	1020
RE 3N 9+00E	1	88	13	159	<.3	22	16	1757	4.24	2	<5	<2	<2	29	.4	<2	<2	91	.49	.097	39	41	1.00	157	.05	<3	3.00	.01	.10	<2	11
3N 9+50E	2	46	6	75	<.3	18	17	1602	4.71	26	<5	<2	3	66	.4	<2	<2	121	1.15	.148	48	27	.98	115	.06	<3	2.36	.01	.17	<2	11
3N 10+00E	4	86	9	142	<.3	31	25	2518	5.03	6	<5	<2	2	55	.4	2	<2	105	1.02	.119	18	47	1.42	231	.05	<3	2.37	.03	.11	<2	7
2N 0+00E	1	41	7	97	<.3	17	15	815	3.76	3	<5	<2	2	29	<.2	<2	<2	77	.35	.069	12	27	.86	135	.05	<3	1.89	.01	.11	<2	3
2N 0+50E	1	43	6	161	<.3	20	15	999	3.73	<2	5	<2	<2	35	<.2	<2	3	74	.49	.123	12	28	.81	213	.05	<3	2.35	.01	.14	<2	8
2N 1+00E	1	57	10	127	<.3	19	17	667	4.14	2	<5	<2	2	28	<.2	<2	<2	84	.37	.068	17	30	.95	169	.07	<3	2.34	.01	.11	<2	2
2N 1+50E	<1	42	8	181	<.3	21	13	878	3.43	<2	<5	<2	2	32	.2	<2	<2	69	.46	.135	13	29	.87	191	.06	<3	2.29	.02	.15	<2	6
2N 2+00E	<1	34	7	151	<.3	23	12	774	3.40	<2	<5	<2	2	30	<.2	<2	<2	72	.34	.100	11	29	.91	163	.06	<3	2.11	.01	.11	<2	2
2N 2+50E	1	41	7	122	<.3	18	13	829	3.61	2	<5	<2	2	29	<.2	<2	<2	78	.38	.091	13	30	.98	130	.06	<3	1.79	.01	.11	<2	3
2N 3+00E	1	41	8	89	<.3	17	13	639	3.80	<2	<5	<2	<2	28	<.2	<2	2	74	.36	.077	13	28	.81	124	.05	<3	1.71	.01	.12	<2	3
2N 3+50E	1	32	5	99	<.3	19	13	545	3.70	3	<5	<2	<2	25	<.2	<2	3	77	.28	.088	8	30	.79	150	.07	<3	2.04	.01	.12	<2	2
2N 4+00E	1	24	6	174	<.3	18	13	942	3.37	<2	<5	<2	2	28	.2	<2	2	69	.37	.126	9	24	.64	283	.06	<3	2.46	.02	.11	<2	1
2N 4+50E	1	39	6	143	<.3	19	14	783	3.91	<2	<5	<2	2	30	<.2	2	<2	82	.38	.121	12	26	.83	200	.07	<3	2.23	.01	.12	<2	3
2N 5+00E	1	45	8	84	<.3	18	16	610	4.14	<2	<5	<2	2	33	<.2	<2	<2	92	.42	.073	20	25	.93	110	.07	<3	1.94	.01	.13	<2	5
2N 5+50E	1	32	7	66	<.3	15	13	707	3.90	<2	<5	<2	3	30	<.2	<2	<2	88	.51	.085	30	17	.68	281	.06	<3	2.35	.01	.15	<2	1
2N 6+00E	1	56	8	140	<.3	33	16	953	3.94	<2	5	<2	2	31	<.2	<2	<2	87	.40	.111	15	28	.85	203	.06	<3	2.57	.02	.17	<2	1
STANDARD C2/AU-S	20	61	41	139	6.8	71	35	1118	3.86	41	17	8	37	52	19.0	18	19	75	.53	.109	39	70	.96	205	.08	27	1.94	.06	.13	12	51

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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
2N 6+50E	1	41	9	103	<.3	19	13	1594	4.21	<2	<5	<2	<2	39	<.2	<2	<2	107	.48	.110	18	29	.73	164	.05	4	1.97	.01	.14	<2	13
2N 7+00E	1	27	10	189	<.3	20	10	1275	3.12	<2	<5	<2	<2	37	<.2	<2	<2	67	.53	.089	10	26	.73	191	.07	3	2.02	.02	.13	<2	1
2N 7+50E	1	21	10	181	<.3	19	10	979	3.03	<2	<5	<2	<2	41	<.2	<2	<2	66	.50	.113	9	24	.70	229	.08	<3	2.02	.01	.13	<2	1
2N 8+00E	1	73	7	73	<.3	22	17	689	4.33	<2	<5	<2	2	43	<.2	<2	<2	102	.59	.077	20	31	1.03	97	.08	<3	2.10	.01	.08	<2	1
2N 8+50E	3	86	7	126	<.3	34	19	1618	4.61	<2	<5	<2	2	41	<.2	2	<2	98	.58	.123	16	33	.95	197	.09	<3	2.52	.01	.12	<2	<1
2N 9+00E	<1	24	10	140	<.3	19	11	1371	3.08	<2	<5	<2	2	39	.2	<2	2	84	.61	.163	9	21	.76	165	.10	<3	2.27	.02	.09	<2	<1
2N 9+50E	1	78	8	116	<.3	21	14	781	4.43	2	<5	<2	2	32	<.2	<2	<2	87	.49	.099	21	36	1.23	84	.05	<3	2.10	.01	.09	<2	5
2N 10+00E	1	55	9	119	<.3	21	14	1034	3.73	<2	<5	<2	<2	41	<.2	<2	<2	75	.64	.066	16	34	.97	95	.06	<3	1.75	.02	.16	<2	5
1+00N 1+00E	1	49	10	97	<.3	26	22	1559	4.80	3	<5	<2	2	45	<.2	<2	<2	88	.65	.029	20	43	1.26	259	.06	<3	2.70	.02	.14	<2	1
1+00N 1+50E	<1	32	4	123	<.3	20	12	608	3.36	<2	<5	<2	<2	35	<.2	<2	<2	70	.53	.056	11	32	.97	147	.06	<3	1.91	.02	.11	<2	2
1+00N 2+00E	1	32	8	160	<.3	22	14	732	3.70	2	6	<2	<2	30	<.2	3	<2	79	.42	.104	10	35	1.03	156	.06	<3	2.19	.01	.11	<2	3
1+00N 2+50E	<1	28	4	150	<.3	21	12	841	3.35	<2	<5	<2	<2	29	<.2	<2	<2	72	.37	.072	10	31	.99	163	.07	<3	2.07	.01	.14	<2	1
1+00N 3+00E	1	72	<3	68	<.3	23	20	889	4.50	4	<5	<2	<2	44	<.2	3	2	92	.59	.110	14	43	1.51	66	.08	<3	2.15	.01	.08	<2	1
1+00N 3+50E	1	45	5	131	<.3	18	13	1039	4.06	<2	<5	<2	<2	40	<.2	<2	<2	75	.61	.058	19	29	.97	234	.06	<3	2.52	.02	.10	<2	<1
1+00N 4+00E	1	26	6	106	<.3	15	14	740	3.73	<2	<5	<2	<2	28	<.2	<2	<2	63	.31	.086	12	23	.87	223	.03	<3	1.95	.01	.11	<2	1
1+00N 4+50E	<1	37	5	115	<.3	18	12	901	3.44	<2	<5	<2	<2	33	<.2	2	<2	74	.43	.058	33	30	.78	135	.06	<3	1.98	.02	.09	<2	2
1+00N 5+00E	<1	31	12	164	<.3	18	13	1083	3.44	<2	<5	<2	<2	31	<.2	<2	<2	72	.41	.134	10	26	.73	224	.07	<3	2.36	.01	.11	<2	20
1+00N 5+50E	1	27	8	165	<.3	16	14	1614	3.19	<2	<5	<2	<2	37	<.2	2	<2	66	.59	.118	13	21	.63	251	.06	<3	2.23	.02	.12	<2	6
1+00N 6+00E	5	49	11	61	.3	24	32	1815	4.53	<2	<5	<2	<2	98	<.2	<2	<2	121	1.96	.277	28	20	1.83	187	.04	7	1.91	.01	.19	<2	2
1+00N 6+50E	3	136	6	65	<.3	31	23	623	5.75	3	<5	<2	2	43	<.2	<2	<2	129	.58	.118	13	26	.93	73	.05	<3	1.88	.01	.10	<2	4
1+00N 7+00E	3	81	6	60	<.3	25	24	669	5.50	3	<5	<2	2	49	<.2	<2	<2	130	.62	.108	16	28	1.22	78	.07	<3	2.08	.01	.08	<2	13
1+00N 7+50E	2	62	8	103	<.3	26	16	782	4.51	3	<5	<2	2	40	<.2	<2	2	104	.47	.109	20	32	1.11	158	.08	<3	2.20	.01	.16	<2	2
RE 1+00N 7+50E	2	60	7	100	<.3	25	16	763	4.37	2	<5	<2	2	39	<.2	<2	<2	101	.46	.105	20	31	1.08	153	.08	<3	2.15	.01	.16	<2	7
1+00N 8+00E	1	58	11	172	<.3	25	15	1581	3.92	<2	<5	<2	<2	44	.3	<2	<2	82	.57	.142	20	33	.89	223	.07	<3	2.28	.01	.13	<2	<1
1+00N 8+50E	2	55	6	119	<.3	23	16	992	4.12	2	<5	<2	<2	38	.4	<2	<2	89	.55	.068	12	33	1.02	147	.07	<3	2.08	.01	.11	<2	2
1+00N 9+00E	1	60	10	141	<.3	24	16	891	4.25	3	<5	<2	2	32	<.2	<2	3	89	.43	.118	15	35	1.00	150	.06	<3	2.40	.01	.09	<2	<1
1+00N 9+50E	1	44	9	164	<.3	21	13	1376	3.67	2	<5	<2	<2	32	.2	<2	<2	80	.40	.081	12	30	.82	227	.06	<3	2.29	.01	.10	<2	1
1+00N 10+00E	1	54	6	111	<.3	19	14	827	3.77	<2	<5	<2	<2	40	<.2	<2	<2	82	.53	.067	13	34	1.09	123	.06	<3	1.94	.01	.12	<2	1
4+00S 0+50E	1	54	6	111	<.3	23	17	997	3.90	2	<5	<2	2	36	<.2	<2	<2	87	.50	.069	14	34	.84	198	.09	<3	2.67	.01	.09	<2	<1
4+00S 1+00E	1	66	4	73	<.3	19	17	717	3.99	3	<5	<2	2	34	<.2	<2	<2	93	.50	.074	22	35	1.00	69	.09	<3	1.79	.01	.08	<2	<1
4+00S 1+50E	1	51	9	99	<.3	20	18	826	3.89	2	<5	<2	<2	37	<.2	<2	2	89	.48	.095	15	36	.94	114	.10	<3	2.38	.01	.12	<2	1
4+00S 2+00E	1	81	9	132	<.3	26	20	1708	4.28	<2	<5	<2	<2	38	.2	<2	<2	96	.46	.204	15	38	1.06	257	.09	3	3.62	.02	.13	<2	18
4+00S 2+50E	<1	34	7	100	<.3	19	12	762	3.34	<2	5	<2	2	36	<.2	<2	<2	81	.56	.079	8	30	.74	145	.08	<3	2.35	.01	.09	<2	5
4+00S 3+00E	<1	29	5	147	<.3	15	11	2093	3.09	<2	5	<2	<2	25	<.2	<2	<2	74	.35	.383	8	24	.48	352	.09	<3	2.51	.02	.07	<2	<1
4+00S 3+50E	1	34	7	107	<.3	20	13	837	3.40	<2	<5	<2	<2	30	<.2	<2	<2	78	.40	.102	9	32	.74	197	.08	<3	2.39	.01	.10	<2	13
STANDARD C2/AU-S	20	57	43	140	6.3	69	34	1170	3.84	38	18	8	33	47	17.7	13	16	70	.54	.108	37	66	.95	185	.08	26	1.86	.06	.13	12	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

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
4+00S 4+00E	1	29	8	94	<.3	20	14	635	3.53	4	<5	<2	2	31	<.2	3	2	88	.40	.076	8	36	.87	116	.09	<3	1.78	.01	.08	<2	1
4+00S 4+50E	1	31	10	109	<.3	16	12	593	3.55	2	<5	<2	2	34	<.2	2	<2	89	.45	.077	8	33	.82	115	.08	<3	1.60	.02	.07	<2	1
4+00S 5+00E	1	34	7	155	.3	21	13	943	3.26	<2	<5	<2	2	30	<.2	<2	<2	78	.40	.108	15	31	.66	142	.09	<3	2.68	.02	.09	<2	<1
4+00S 5+50E	1	24	13	141	<.3	21	12	748	3.37	<2	<5	<2	2	31	<.2	<2	2	80	.38	.101	8	31	.61	150	.09	<3	2.73	.02	.08	<2	<1
4+00S 6+00E	2	52	9	128	.3	23	14	1742	3.77	<2	<5	<2	<2	57	<.2	<2	<2	82	1.09	.096	37	35	.64	177	.07	<3	3.41	.02	.09	<2	<1
5+00S 0+00E	1	46	8	100	<.3	24	15	568	3.73	4	<5	<2	2	37	<.2	2	<2	95	.44	.084	11	40	.83	106	.12	<3	2.13	.02	.08	<2	<1
5+00S 0+50E	1	59	10	119	.3	25	16	795	4.01	6	<5	<2	3	38	<.2	<2	<2	96	.47	.109	15	40	.86	164	.11	<3	2.40	.02	.09	<2	3
5+00S 1+00E	1	45	12	108	<.3	24	15	757	3.94	5	<5	<2	2	35	<.2	<2	<2	100	.42	.047	11	36	.78	170	.10	<3	2.33	.02	.08	<2	1
5+00S 1+50E	1	63	10	115	.3	25	15	939	4.00	<2	<5	<2	3	44	<.2	<2	3	97	.54	.081	18	45	.92	135	.11	<3	2.79	.01	.13	<2	<1
5+00S 2+00E	1	92	14	141	<.3	27	16	1089	4.10	<2	<5	<2	3	41	<.2	<2	<2	99	.54	.160	18	40	.86	159	.11	<3	3.74	.02	.10	<2	2
5+00S 2+50E	1	59	10	137	.3	22	13	1052	3.80	<2	<5	<2	2	40	<.2	<2	<2	88	.55	.069	19	35	.72	181	.10	<3	3.50	.02	.12	<2	26
5+00S 3+00E	1	73	12	169	<.3	21	17	1533	3.73	2	<5	<2	2	37	<.2	<2	<2	87	.46	.239	10	36	.69	192	.08	<3	3.17	.02	.09	<2	3
5+00S 3+50E	<1	50	10	146	<.3	24	13	1245	3.39	<2	<5	<2	2	29	<.2	<2	<2	89	.34	.141	10	33	.62	199	.11	<3	3.00	.02	.07	<2	8
5+00S 4+00E	1	21	9	178	<.3	9	9	2991	2.97	<2	<5	<2	<2	15	<.2	<2	<2	76	.20	.374	6	19	.22	250	.12	<3	1.97	.02	.03	<2	2
5+00S 4+50E	<1	40	8	116	<.3	21	13	695	3.76	3	<5	<2	<2	29	<.2	<2	<2	90	.38	.091	11	36	.79	159	.07	<3	2.43	.01	.07	<2	12
5+00S 5+00E	1	42	14	118	<.3	25	14	741	4.14	<2	5	<2	3	22	<.2	2	<2	96	.28	.135	9	38	.79	186	.10	<3	3.80	.02	.07	<2	1
RE 5+00S 5+00E	1	45	13	122	<.3	25	15	784	4.35	<2	<5	<2	3	24	<.2	<2	<2	101	.29	.140	9	40	.82	197	.11	<3	3.97	.02	.07	<2	6
5+00S 5+50E	1	40	11	123	<.3	22	14	1078	4.11	<2	<5	<2	2	26	<.2	2	<2	104	.35	.214	8	31	.63	148	.11	<3	3.00	.02	.06	<2	1
5+00S 6+00E	1	37	10	141	<.3	23	15	1086	4.19	<2	<5	<2	3	25	<.2	<2	<2	98	.28	.085	12	38	.78	182	.08	<3	3.52	.02	.08	<2	1
5+00S 6+50E	1	27	7	97	<.3	19	19	664	4.75	<2	<5	<2	3	30	<.2	<2	<2	124	.35	.176	11	28	.81	90	.10	<3	2.91	.01	.05	<2	2
5+00S 7+00E	1	30	10	124	<.3	19	12	668	3.66	<2	<5	<2	<2	32	<.2	<2	<2	88	.37	.065	9	33	.69	152	.07	<3	2.29	.01	.09	<2	2
5+00S 7+50E	1	40	12	107	<.3	19	15	1237	3.92	<2	<5	<2	2	23	<.2	<2	<2	92	.31	.159	16	30	.63	183	.09	<3	3.17	.01	.08	<2	<1
5+00S 8+00E	<1	34	12	149	<.3	18	14	2069	3.52	<2	<5	<2	<2	55	<.2	<2	<2	80	.98	.204	13	31	.58	274	.06	<3	2.65	.01	.10	<2	1
5+00S 8+50E	1	32	7	104	<.3	19	14	773	4.28	4	<5	<2	2	39	<.2	<2	2	90	.55	.051	16	34	.58	175	.07	<3	1.96	.02	.10	<2	37
5+00S 9+00E	1	25	17	202	<.3	17	13	2861	3.09	<2	<5	<2	<2	48	.4	<2	<2	69	.80	.098	10	28	.51	344	.06	<3	1.82	.01	.11	<2	2
5+00S 9+50E	1	31	24	202	<.3	19	13	2092	3.60	4	<5	<2	<2	46	.2	<2	<2	79	.71	.132	11	33	.59	293	.06	<3	2.22	.02	.13	<2	1
5+00S 10+00E	1	34	8	130	<.3	20	11	1085	3.39	2	<5	<2	<2	32	<.2	<2	<2	77	.46	.100	9	31	.62	188	.07	<3	1.88	.01	.10	<2	2
6+00S 0+00E	1	61	10	108	<.3	25	15	650	3.96	7	<5	<2	3	33	<.2	<2	<2	86	.37	.277	15	39	.82	201	.12	<3	2.66	.02	.08	<2	4
6+00S 0+50E	1	51	13	127	<.3	23	15	1451	3.95	4	<5	<2	2	42	<.2	3	<2	96	.49	.125	12	39	.77	146	.13	<3	2.49	.02	.10	<2	16
6+00S 1+00E	1	63	11	111	<.3	30	19	1365	4.11	<2	<5	<2	2	34	<.2	<2	<2	94	.41	.102	10	38	.75	174	.11	<3	2.97	.02	.08	<2	1
6+00S 1+50E	1	64	12	124	<.3	27	18	1965	4.33	10	<5	<2	2	50	<.2	<2	<2	100	.61	.097	21	34	.79	203	.09	<3	3.02	.02	.11	<2	10
6+00S 2+00E	1	63	10	98	.3	22	14	584	4.16	3	<5	<2	4	40	<.2	<2	<2	99	.54	.066	18	40	.89	142	.12	<3	2.77	.02	.11	<2	333
6+00S 2+50E	1	45	11	95	<.3	20	12	481	3.82	2	6	<2	3	36	<.2	3	2	95	.45	.057	12	37	.77	128	.12	<3	2.37	.02	.10	<2	32
6+00S 3+00E	1	63	10	123	<.3	21	16	997	4.20	<2	<5	<2	3	36	<.2	2	<2	100	.48	.075	17	36	.79	189	.10	<3	3.47	.02	.09	<2	4
6+00S 3+50E	1	35	13	112	<.3	21	12	715	3.93	<2	<5	<2	2	37	<.2	<2	<2	92	.48	.059	12	38	.75	110	.10	<3	2.30	.02	.12	<2	3
STANDARD C2/AU-S	20	59	42	143	6.8	76	36	1211	3.82	39	17	7	36	52	17.9	16	16	75	.57	.106	41	70	.95	207	.09	24	1.90	.06	.13	12	48

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

ACME ANALYTICAL

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ACME ANALYTICAL

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
6+00S 4+00E	1	44	14	186	<.3	21	15	1903	3.93	2	<5	<2	<2	31	<.2	<2	<2	94	.42	.219	12	37	.62	225	.09	3	3.30	.02	.08	<2	4
6+00S 4+50E	1	38	11	165	<.3	35	12	583	3.45	<2	<5	<2	<2	32	<.2	<2	<2	82	.47	.069	10	35	.60	190	.11	3	2.63	.02	.10	<2	2
6+00S 5+00E	1	91	12	134	<.3	22	20	1452	4.63	<2	<5	<2	2	24	<.2	<2	2	120	.38	.323	12	34	.69	131	.11	3	3.44	.02	.07	<2	8
RE 6+00S 5+00E	1	97	15	138	<.3	22	21	1570	4.65	<2	<5	<2	2	25	<.2	<2	<2	117	.39	.352	13	35	.71	140	.11	<3	3.64	.02	.07	<2	23
6+00S 5+50E	2	27	14	114	<.3	18	11	550	3.82	2	<5	<2	<2	31	<.2	<2	<2	91	.42	.047	9	33	.61	101	.09	<3	2.61	.02	.08	<2	9
6+00S 6+00E	1	63	17	140	<.3	21	16	1912	4.43	2	<5	<2	<2	38	<.2	<2	2	98	.57	.106	24	39	.72	175	.08	<3	3.33	.02	.11	<2	4
6+00S 6+50E	<1	32	7	119	<.3	18	12	822	3.60	<2	<5	<2	<2	33	<.2	<2	<2	84	.41	.090	10	31	.58	227	.09	<3	2.36	.02	.13	<2	6
6+00S 7+00E	1	36	11	93	<.3	19	13	578	3.98	<2	<5	<2	2	33	<.2	<2	3	99	.40	.052	11	31	.72	151	.10	<3	3.15	.02	.09	<2	9
6+00S 7+50E	5	37	13	125	<.3	22	16	994	4.58	<2	<5	<2	2	30	<.2	<2	<2	110	.43	.148	14	33	.70	144	.11	3	4.05	.02	.10	<2	4
6+00S 8+00E	1	33	10	135	<.3	19	18	770	4.65	<2	<5	<2	2	42	<.2	<2	<2	105	.48	.177	16	24	.65	193	.07	3	2.81	.02	.12	<2	11
6+00S 8+50E	1	31	11	174	<.3	22	17	1045	4.21	<2	<5	<2	2	36	<.2	<2	<2	90	.53	.073	12	36	.70	204	.08	3	2.45	.02	.11	<2	16
6+00S 9+00E	1	23	13	105	<.3	18	14	805	3.78	4	<5	<2	2	34	<.2	2	<2	86	.41	.073	13	26	.56	205	.07	3	2.37	.02	.11	<2	3
6+00S 10+00E	1	31	12	164	<.3	23	13	2286	3.72	2	<5	<2	2	44	.2	2	3	82	.60	.130	16	36	.60	379	.08	3	2.40	.02	.17	<2	4
7+00S 1+00E	1	60	15	107	<.3	23	15	694	3.80	7	<5	<2	2	43	<.2	<2	3	89	.50	.141	14	40	.73	154	.10	<3	2.50	.02	.10	<2	3
7+00S 1+50E	1	109	8	96	<.3	40	28	1102	4.63	14	<5	<2	2	35	<.2	<2	2	127	.53	.090	12	38	.92	124	.13	<3	2.83	.02	.08	<2	1
7+00S 2+00E	1	54	8	93	<.3	21	16	653	3.87	12	<5	<2	2	35	<.2	<2	<2	97	.45	.114	10	27	.62	153	.09	3	2.21	.02	.10	<2	8
7+00S 2+50E	1	56	8	129	<.3	27	16	559	3.41	<2	<5	<2	3	38	<.2	<2	<2	78	.44	.154	10	28	.58	161	.12	3	2.37	.03	.10	<2	3
7+00S 3+00E	1	69	13	120	<.3	27	21	2401	4.20	6	<5	<2	2	61	<.2	2	<2	100	.77	.196	14	35	.71	303	.10	3	2.32	.02	.11	<2	5
7+00S 3+50E	1	75	11	112	<.3	24	20	1232	4.41	4	<5	<2	2	36	<.2	<2	<2	102	.44	.078	19	34	.75	182	.10	<3	2.81	.02	.12	<2	19
7+00S 4+00E	1	53	10	132	<.3	22	15	2035	3.89	3	<5	<2	2	43	.2	<2	<2	83	.56	.108	16	32	.65	257	.09	<3	2.85	.02	.11	<2	100
7+00S 4+50E	1	112	9	128	<.3	21	18	969	4.02	<2	5	<2	3	28	<.2	2	2	97	.35	.174	18	31	.76	157	.12	<3	3.30	.02	.08	<2	15
7+00S 5+00E	1	153	12	114	<.3	108	28	1169	4.91	<2	<5	<2	3	33	<.2	<2	<2	107	.52	.097	17	245	2.42	163	.15	<3	3.97	.01	.09	<2	15
7+00S 5+50E	1	37	12	151	<.3	22	12	438	3.76	<2	<5	<2	2	40	<.2	3	<2	81	.52	.213	8	34	.61	260	.08	<3	2.78	.02	.12	<2	3
7+00S 6+00E	2	35	10	133	<.3	17	12	1143	3.45	<2	<5	<2	2	38	<.2	<2	<2	78	.56	.107	7	28	.53	172	.08	<3	2.40	.02	.09	<2	3
7+00S 6+50E	1	32	11	123	<.3	20	13	616	3.94	3	<5	<2	2	39	<.2	4	<2	90	.54	.096	10	32	.60	169	.08	<3	3.12	.02	.11	<2	1
7+00S 7+00E	2	52	10	108	<.3	22	16	966	4.11	<2	<5	<2	2	41	<.2	2	<2	95	.62	.048	14	34	.67	102	.09	<3	2.81	.02	.08	<2	2
7+00S 7+50E	1	41	7	113	<.3	24	13	641	3.81	<2	<5	<2	2	34	<.2	<2	<2	94	.48	.065	10	32	.73	176	.11	<3	3.39	.02	.13	<2	3
7+00S 8+00E	2	43	10	145	<.3	23	18	882	4.34	<2	5	<2	2	38	<.2	<2	<2	103	.57	.108	16	34	.71	140	.09	<3	3.40	.02	.10	<2	4
7+00S 8+50E	1	56	13	141	<.3	24	19	1199	4.67	4	<5	<2	2	35	<.2	<2	<2	93	.49	.113	28	36	.69	220	.08	<3	2.83	.02	.13	<2	12
7+00S 9+00E	1	26	15	218	<.3	20	13	1234	3.90	2	7	<2	<2	40	.2	<2	<2	84	.57	.137	10	34	.61	293	.07	<3	2.59	.01	.12	<2	2

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
8+50E 0+00	2	33	12	172	<.3	17	13	794	3.47	2	<5	<2	<2	30	<.2	<2	2	70	.45	.068	9	29	.77	110	.08	<3	1.98	.02	.09	<2	4
8+50E 2+00S	1	41	9	96	<.3	15	9	392	3.18	<2	<5	<2	2	37	<.2	3	<2	58	.68	.028	11	28	.75	114	.07	<3	2.05	.03	.05	<2	5
8+50E 4+00S	1	38	11	144	<.3	18	12	583	3.50	<2	<5	<2	2	20	<.2	<2	<2	74	.28	.122	12	31	.65	147	.07	<3	2.84	.01	.07	<2	2
RE 8+50E 4+00S	1	37	10	145	<.3	19	12	588	3.57	<2	<5	<2	2	20	<.2	<2	<2	76	.28	.122	12	31	.66	147	.07	<3	2.85	.01	.07	<2	2
9+00E 0+00	3	29	10	175	<.3	15	12	1780	2.91	<2	<5	<2	<2	43	.3	<2	<2	59	.82	.059	10	24	.53	157	.07	<3	1.97	.02	.10	<2	3
9+00E 2+00S	1	59	12	233	<.3	22	16	652	4.40	<2	<5	<2	2	26	<.2	3	<2	87	.33	.141	12	40	1.04	179	.07	<3	3.30	.01	.09	<2	1
9+00E 4+00S	1	33	9	205	<.3	18	11	473	3.26	<2	<5	<2	2	21	<.2	3	<2	71	.27	.132	9	30	.59	177	.09	<3	2.59	.02	.07	<2	1
9+50E 0+00	1	37	7	131	<.3	17	12	664	3.52	<2	<5	<2	<2	28	<.2	<2	<2	75	.40	.072	9	30	.73	117	.07	<3	1.86	.01	.10	<2	6
9+50E 2+00S	1	45	11	155	.3	17	12	727	3.38	<2	<5	<2	<2	42	<.2	<2	2	73	.52	.042	13	27	.64	252	.08	<3	3.09	.02	.08	<2	6
9+50E 4+00S	1	39	10	106	.3	21	11	527	3.55	<2	<5	<2	<2	28	<.2	3	<2	72	.35	.099	17	36	.70	173	.05	<3	2.52	.02	.08	<2	4
10+00E 2+00S	1	105	12	174	.5	25	18	1375	4.66	<2	<5	<2	<2	73	.3	2	<2	83	1.10	.092	28	44	1.07	380	.04	<3	3.65	.02	.12	<2	5

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

4+50E 0+00	1	44	3	104	<.3	19	17	1069	3.38	3	<5	<2	<2	33	<.2	<2	<2	75	.36	.139	6	38	.90	159	.08	<3	2.28	.01	.08	<2	2
5+00E 0+00	1	82	8	116	<.3	23	15	798	4.14	3	<5	<2	2	37	<.2	<2	<2	88	.47	.058	18	44	1.11	142	.08	<3	2.62	.02	.11	<2	3
5+00E 2+00S	1	37	4	115	<.3	18	18	1005	4.13	<2	<5	<2	<2	28	<.2	4	<2	102	.30	.114	9	27	.82	137	.08	<3	2.88	.02	.08	<2	1
5+50E 0+00	1	35	3	194	<.3	17	14	548	3.60	2	<5	<2	3	35	<.2	<2	<2	79	.49	.107	16	21	.68	155	.08	<3	3.30	.02	.08	<2	2
5+50E 2+00S	1	30	5	191	<.3	19	11	700	2.95	4	<5	<2	3	25	<.2	2	<2	66	.27	.235	9	22	.49	198	.10	<3	2.55	.02	.07	2	1
6+00E 0+00	7	96	5	68	<.3	39	29	830	5.43	5	<5	<2	2	43	<.2	3	2	132	.87	.112	32	55	1.52	66	.04	3	2.60	.01	.16	<2	3
6+00E 0+00(A) 2+00	3	51	<3	83	<.3	19	14	707	3.88	2	<5	<2	2	49	<.2	<2	<2	82	.64	.042	27	34	.88	156	.07	<3	2.53	.02	.09	<2	1
6+50E 0+00	1	57	3	86	<.3	19	15	539	4.24	4	<5	<2	2	39	<.2	<2	<2	98	.50	.082	13	32	1.01	79	.07	3	1.82	.01	.12	<2	2
6+50E 2+00S	1	186	9	235	.8	38	15	1099	5.92	<2	<5	<2	3	55	.3	<2	<2	97	.90	.118	37	56	1.10	440	.03	<3	6.01	.02	.20	<2	5
6+50E 4+00S	1	21	4	119	<.3	16	10	468	2.91	<2	<5	<2	<2	24	<.2	<2	2	73	.28	.070	5	24	.58	122	.07	<3	1.87	.02	.07	<2	1
7+00E 0+00	2	60	10	166	<.3	24	17	704	4.26	3	<5	<2	2	34	<.2	<2	<2	91	.42	.123	13	31	.86	210	.09	<3	3.38	.02	.14	<2	1
7+00E 2+00S	2	189	4	121	.6	24	14	860	3.94	<2	<5	<2	2	65	.4	<2	<2	78	1.22	.123	46	32	.90	127	.06	3	3.02	.03	.09	<2	5
7+00E 4+00S	<1	22	8	149	<.3	18	11	533	2.98	<2	<5	<2	2	23	<.2	<2	<2	68	.28	.088	7	26	.56	188	.08	<3	2.57	.02	.06	<2	<1
7+50E 0+00	2	55	7	99	<.3	18	14	528	3.92	6	<5	<2	2	26	<.2	2	<2	87	.30	.054	8	31	.88	96	.07	<3	1.95	.01	.08	<2	18
7+50E 2+00S	4	80	7	79	.3	24	22	1265	4.40	<2	<5	<2	2	71	.2	<2	<2	101	1.12	.061	28	28	1.06	149	.06	3	2.85	.02	.07	<2	2
7+50E 4+00S	1	20	6	153	<.3	19	9	893	2.66	<2	<5	<2	2	27	<.2	<2	<2	65	.38	.094	8	22	.37	181	.09	<3	2.18	.02	.07	<2	3
8+00E 0+00	2	49	10	173	<.3	19	14	584	3.85	5	<5	<2	2	30	<.2	<2	<2	84	.34	.053	14	31	.79	121	.09	<3	2.16	.02	.10	<2	1
8+00E 2+00S	1	34	5	118	<.3	15	13	481	3.55	<2	<5	<2	2	46	<.2	<2	2	83	.76	.032	19	22	.69	115	.07	<3	2.48	.02	.06	<2	<1
8+00E 4+00S	1	27	9	125	<.3	16	11	447	3.25	<2	<5	<2	<2	23	<.2	<2	<2	77	.30	.068	6	29	.60	123	.06	<3	2.02	.02	.07	<2	1
STANDARD C2/AU-S	21	60	38	148	6.9	73	36	1157	4.07	47	18	9	36	54	19.5	19	19	79	.54	.108	41	72	1.00	211	.08	29	2.03	.07	.14	13	45

Sample type: SOIL. Samples beginning 'RE' are Reruns and 'RRE' are Reject Reruns.

Data FA

APPENDIX II.

PERSONNEL

1. Erik Ostensoe, P. Geo.

2. Thomas E. Lisle, P. Eng.

PERSONNEL

The following persons carried out the field work described in the accompanying report:

1. **Erik A. Ostensoe, P.Geo. - geologist (UBC, 1960)**
   - more than thirty years experience in mineral exploration, principally in western and northern North America
   - member 18,727 of Assoc. of Professional Engineers and Geoscientists of British Columbia
   - worked on Rainbow Project claims 1992 to 1996
   - co-owner of Rainbow 2, 3, 4 claims
   - prepared accompanying report of work.

2. **Thomas E. Lisle, P. Eng. - geologist (UBC, 1964)**
   - more than thirty years experience in mineral exploration, principally in western North America
   - member 08528 of Assoc. of Professional Engineers and Geoscientists of British Columbia
   - worked on Rainbow Project claims 1992 to 1996
   - co-owner of Rainbow 2, 3, 4 claims.

APPENDIX III.

EG+G Model G-856 "Memory Mag" Magnetometer

Magnetometers

A magnetometer is an instrument for measuring the intensity of the earth's magnetic field. Most rocks contain some magnetite, the most common magnetic mineral, and therefore produce some disturbances in the magnetic field. Soils and even some man made objects such as pottery can have magnetic properties.

Through interpretation of magnetometer readings, assumptions can be made about what exists beneath the surface, whether it is a pipeline, an ancient urn, a particular mineral, or geologic structure. The interpretation of magnetic data received from a magnetometer is sometimes a difficult task, made even more complex by constant changes in the earth's overall magnetic field, the size and distance of objects from the magnetometer, the amount of magnetic material the object contains, and the susceptibility of the object to absorb magnetism from other sources. On the other hand, many applications may require only simple interpretations of anomalies.

The proton precession magnetometer has become the principal instrument for magnetic studies because it combines high accuracy and ease of use. The Applicatons Manual for Portable Magnetometers, supplied with this instrument, includes general information on the use of magnetometers. It should be studied as a companion to this volume, which deals specifically with the G-856 Memory Mag™ magnetometer.

The G-856

The G-856 is a portable, man-carried magnetometer and a "base station" magnetometer. As a hand-carried instrument, it features simple, push button operation and a built-in digital memory which stores over 1000 readings. This relieves you of the need to log data in the field, eliminates transcription errors and most important, lets you use computers to automatically record and process the data from the magnetic survey.

The G-856 Memory-Mag magnetometer will also record automatically at regular intervals, so it can be left unattended to monitor diurnal changes in the earth's magnetic field. These readings are used to correct simultaneous field measurements for high accuracy surveys. Here again, the data may be fed directly into a computer so that the field data taken with an identical G-856 may be automatically corrected. The time-of-day is recorded with each reading taken in either mode from a built-in digital clock.

All operations are controlled from a weatherproof membrane switch front panel. The sequence of operations was carefully designed to be very simple to operate and yet flexible. Erasing the memory requires an intricate, fail-safe sequence to protect the data, except for the most recent reading which can be easily deleted and replaced if desired.

A single connector is used for the sensor and data output. The output format is in the universal RS-232, understood by most small and large computers and some printers. The data may also be printed and graphed on the G-866 Recording Magnetometer, or stored for later analysis on digital tape recorders like Geometrics G-724M.

Physically, the G-856 is compact and lightweight. It is weatherproof and operates over a wide temperature range. It is powered by eight D-Cell batteries, sufficient for about 3000 readings.

Above all, the G-856 is a high-precision magnetometer, the result of many years experience in the manufacture of similar instruments. An internal programming switch allows modification of the cycle times to ensure that the G-856 works properly near the magnetic equator and in high gradients where other models may operate only marginally or fail to obtain reliable data.

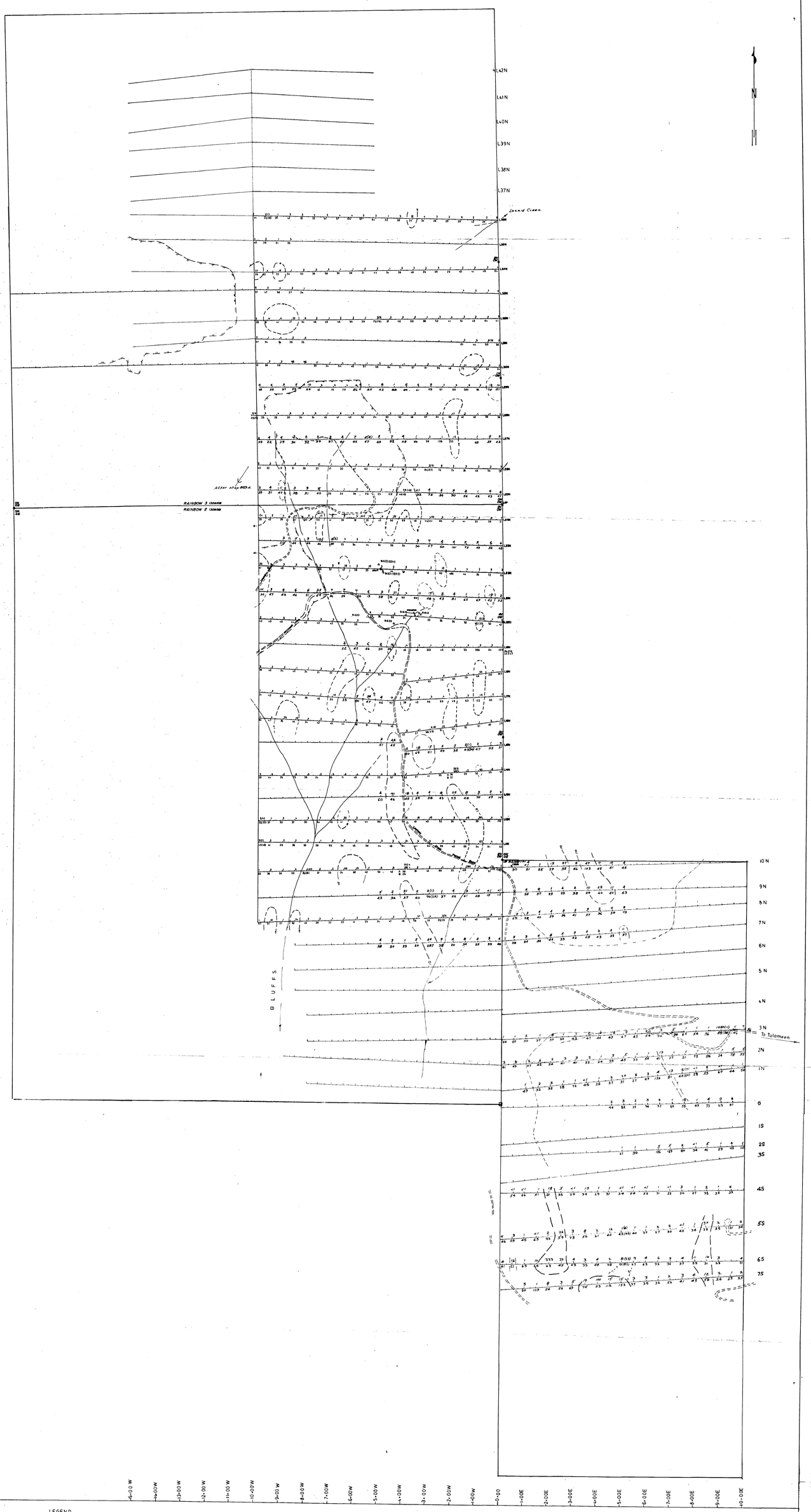
The operation of the instrument is controlled by a microprocessor and the control program may be changed at any time for product improvement or other considerations. In that event, you may find variations between this manual and the operation of your actual instrument operation. Such variations will have no adverse effect and should be recognizeable as you familiarize yourself with operation.

APPENDIX IV.

Statement of Expenditures

The following expenditures were incurred in carrying out the work described in the accompanying report:

1. Transportation -	truck rental - Ford Bronco 30 days @ $50/	1500.00	
	mileage - 2332 km @0.18/km	419.76	
	gasoline	293.67	
	repairs	151.11	
	other transportation (bus)	34.45	
			$2398.99
2. Accommodation -	motels	333.14	
	house (Neil Southworth)	570.00	
			903.14
3. Meals -			137.46
4. Groceries -			332.47
5. Supplies -	Neville Crosby	50.87	
	Misc. stationery	1.81	
	Photocopies	1.82	
	Parking	3.00	
	Telephone	18.52	
			76.02
6. Geochemical Analyses - Acme Analytical			2465.95
7. Allowance for labour - 30 person days @ $250/day			7500.00
8. Allowance for report preparation -	labour - four days @ $250/		1000.00
	- photocopies, white prints, covers		150.00
TOTAL EXPENDITURES -			**$14,964.03**



LEGEND

- Old pits
- Logging slash
- Claim post
- Creek
- 10 ppm Gold Contour

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ppb gold
23 / 12(105)
PPM Copper

A
B-Second sample same site

Duplicate sample

△ 91621 Lithogeochemical Sample.

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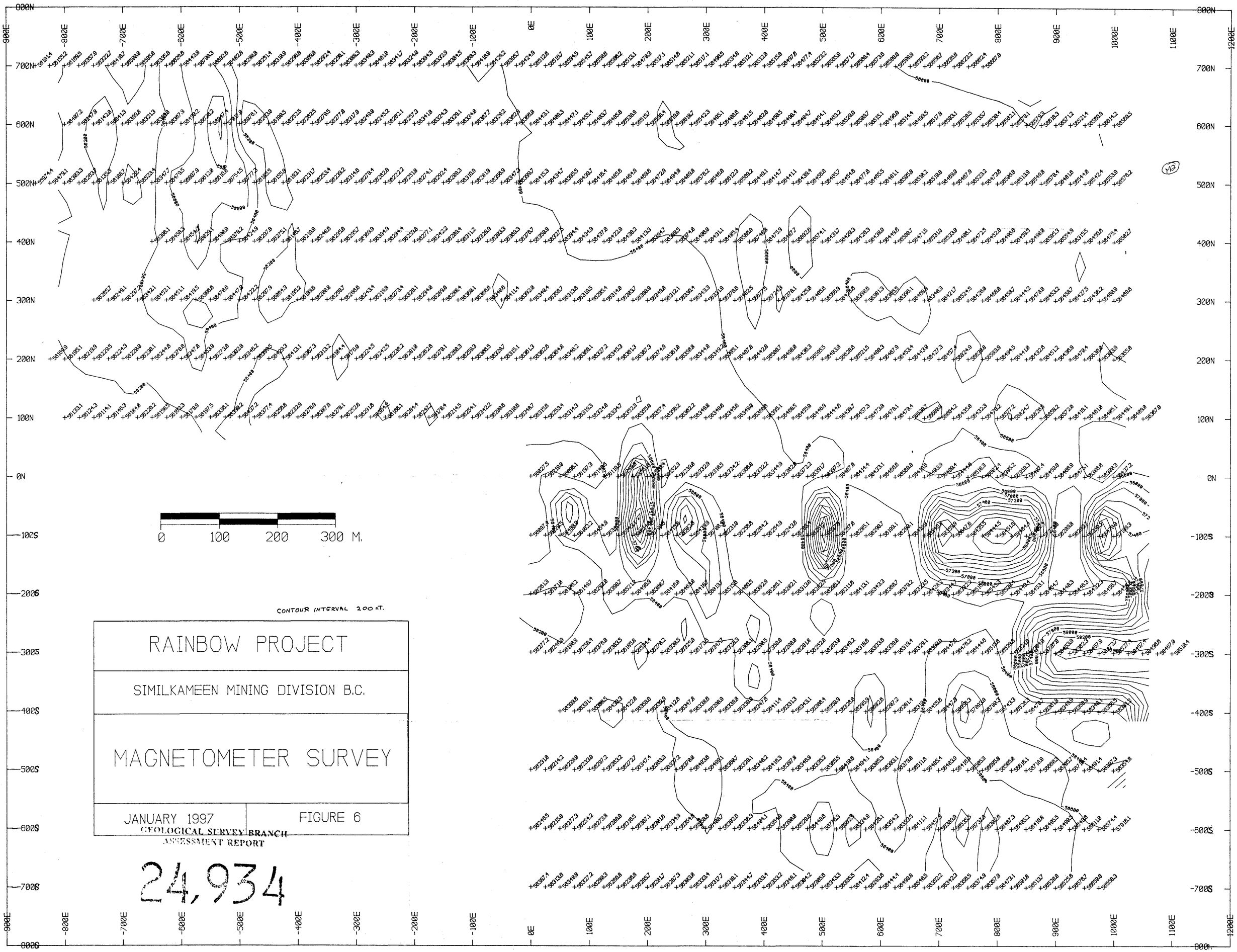
TULAMEEN B.C.

GEOCHEMICAL SURVEY

Scale 1:5000 Revised November 1996.
Map 92H-10W Figure 5.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CONTOUR INTERVAL 200 nT.
RAINBOW PROJECT
SIMILKAMEEN MINING DIVISION B.C.
MAGNETOMETER SURVEY
JANUARY 1997
FIGURE 6
GEOLOGICAL SURVEY BRANCH
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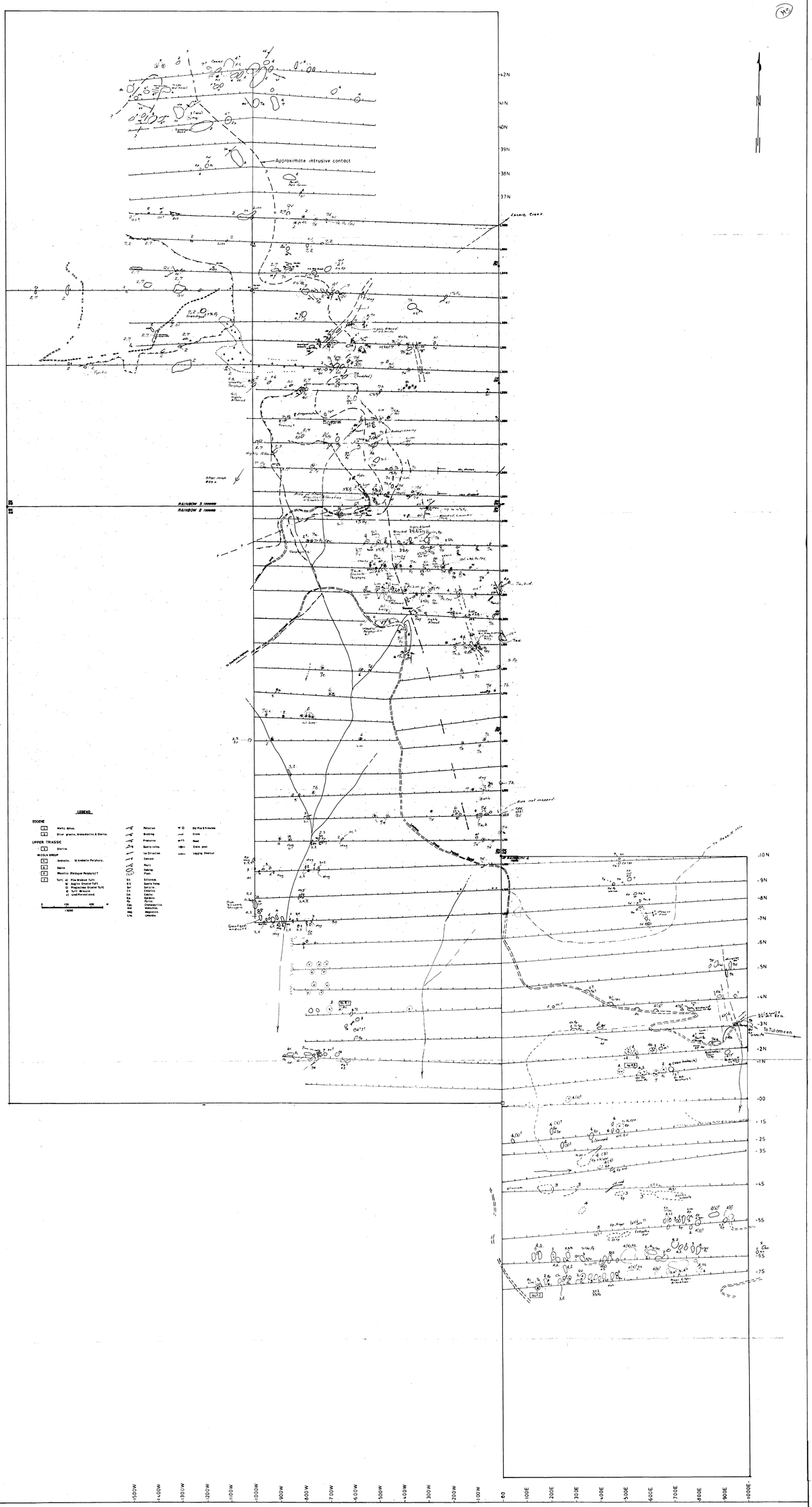

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TULAMEEN, B.C.

GEOLOGY

Scale 1:5000 Revised November, 1996.
Map 92H 10W Figure 4.