BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1995/1996
REPORT #:	PAP 95-49
NAME:	THOMAS LISLE

GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE

RAINBOW 2,3 AND 4 MINERAL CLAIMS

PROJECT 95-96-P067

TULAMEEN

SIMILKAMEEN MINING DIVISION

LAT. 49 34' LONG.120 50' NTS 92 H/10W.

BY

T.E.LISLE, P.ENG.

NOVEMBER 30, 1995

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SIMILKAMEEN MINING DIVISION

BRITISH COLUMBIA

Fig 1

SUMMARY AND CONCLUSIONS

A geological and geochemical survey was carried out between June and October, 1995 on the Rainbow 2, 3, and 4 mineral claims located near Tulameen in the Similkameen Mining Division. The program was a continuation of work started in 1994, and was partly funded by the Prospectors Assistance Program administered by the British Columbia Ministry of Mines and Petroleum Resources.

The geological work indicated the presence of a felsic rhyolite (feldspar porphyry) ? horizon adjacent to a Tertiary Otter granite stock, with an apparent trend of north northwest. Where exposed, this unit is limonitic and is marked by a significant amount of siliceous, pyritic alteration with clay, epidote, chlorite, and locally by magnetite and chalcopyrite.

Much of the altered rhyolitic zone is covered with glacial overburden. Analyses of soil samples collected from the grid revealed gold content to 290 ppb, and copper to 466 ppm. Gold anomalies tend to be loosely clustered within or close to the indicated trace of the alteration zone, or down slope and down ice to the southwest. Anomalous copper assays are widely scattered and more common to the east of the zone.

The north section of the alteration zone is partly marked by anomalous magnetics of the same trend. Assessment report 16016 shows a weak VLF-EM conductor and associated gold and related metal soil anomaly along trend to the southeast on the Rainbow 4 claim.

It is concluded that the results of the preliminary surveys are sufficiently attractive to recommend further prospecting, sampling and geological mapping, and a continuation of the geochemical and geophysical surveys to evaluate the mineral potential of the Rainbow claims.

RECOMMENDATIONS.

1) Analyze all (334) soil samples remaining from the 1994 and 1995 geochemical surveys.

2) Detail map and sample the alteration zone identified in previous work, and soil sample 50 meter lines in areas of interest.

3) Run VLF-EM (2 channel) surveys over the entire grid, and complete magnetic and geological surveys.

4) Southern sections of the Rainbow 4 mineral claim were investigated by geochemical and geophysical surveys in 1986 and the results described in Assessment Report 16016. The area between the 1986 work and the 1995 work should be explored by a combination of geological, geochemical and geophysical surveys to complete coverage in this area.

5) Compile and correlate the Rainbow exploration data with exploration data from the Boulder-Rabbitt Mountain area to the east, and with the geology of the El Alemein gold occurrences to the south.

INTRODUCTION

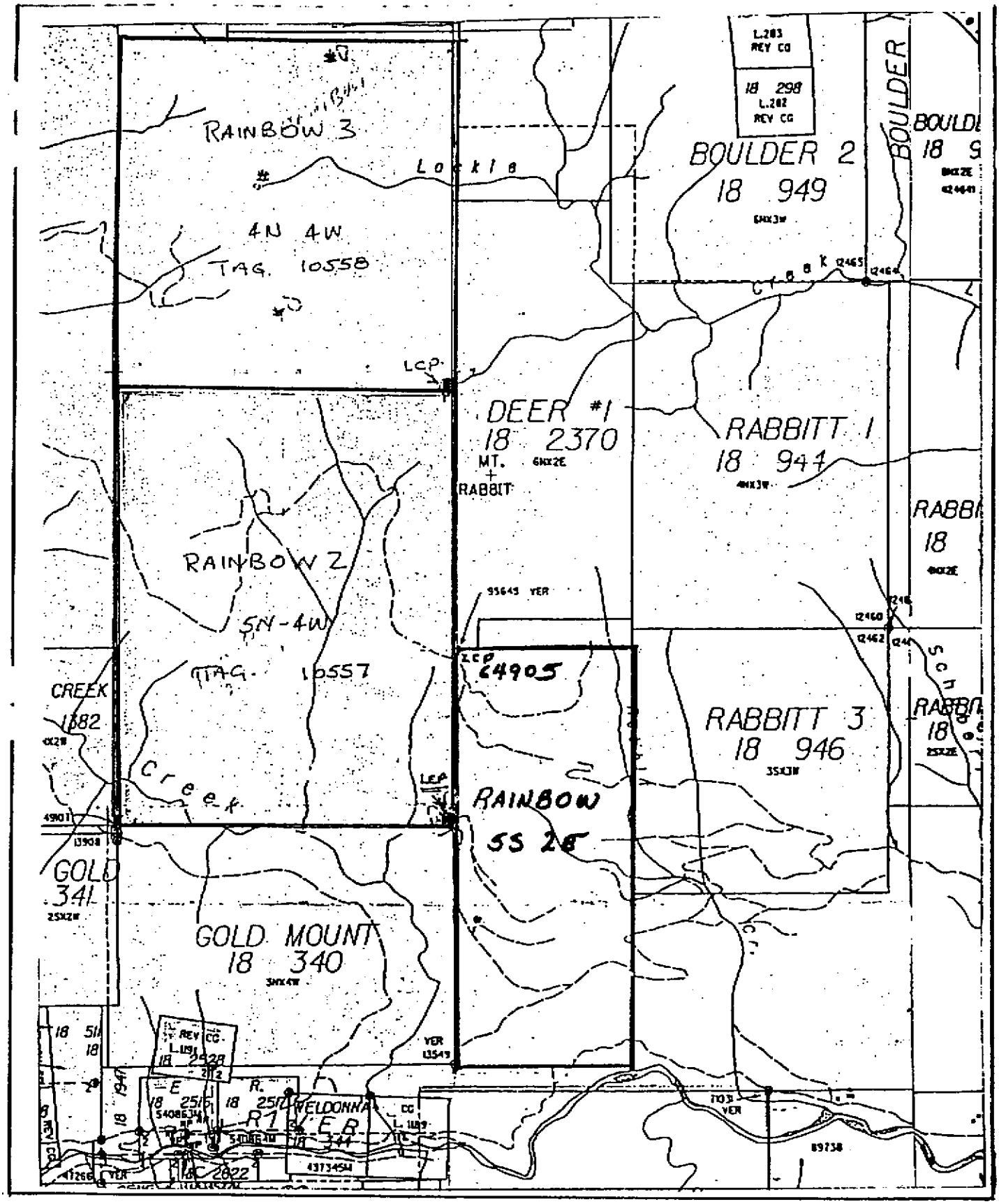
The author, along with E. Ostensoe, P.Geo., submitted a proposal to the Prospectors Assistance Program administered by the provincial Ministry of Energy Mines and Petroleum Resources in May 1994. The proposal was for funding of a small exploration program proposed for the Rainbow claims located near Tulameen in the Similkameen Mining Division. The funding was granted, and the results of the 1994 work were submitted to the Ministry in a January, 1995 report.

A further proposal was made to the Ministry in April, 1995 for additional funding to continue exploration work on the Rainbow claims. Funding was again allocated , and between June and October, 1995, a program of grid establishment, and geological and geochemical surveys were undertaken. We wish to acknowledge with thanks the assistance of grants received. These funds have covered a significant part of the exploration costs incurred .

This report describes exploration work carried out with assistance of the1995 Prospectors Grant. All technical observations are presented and discussed in the report, and compiled on maps accompanying the report. Due to budget constraints, only a limited number of soil samples were analyzed . 334 samples remain to be analyzed at a future date. Because of the ongoing work, interpretations and conclusions are preliminary and may change significantly with results of proposed additional work.

LOCATION AND ACCESS

The Rainbow claims lie on the north slope of the Tulameen River Valley some six to ten kilometers west and northwest of the village of Tulameen in south central British Columbia. (Figure 1). The geographic coordinates are Latitude 49 34' ; Long.120 50'. NTS Map sheet 92H/10W.



RAINBOW PROJECT, CLAIM MAP.

BRITISH COLUMBIA CLAIM MAP 92 H 056

Figure 2.

Elevations range from 840 meters at the Tulameen River to 1646 meters above sea level in the central part of the Rainbow 3 claim. The terrain is relatively subdued , but near Lawless Creek and it's tributary streams, slopes are steep and locally precipitous.

Access to the claims is by the Lawless Creek Forest Service Road that runs easterly from the Coquihalla highway to Tulameen, or from Princeton on the southern Provincial highway. A logging road along the Tulameen River provides access to the south part of the Rainbow 4 claim.

PROPERTY

The Rainbow Group comprises three claims aggregating 46 units (Table 1)They are located in the Similkameen Mining Division and are jointly owned by T.E. Lisle and E.O. Ostensoe.

Claim Name	Units	Record`	Located	Anniversary.
Rainbow 2	20	309158	May 6, 1992	May 6, 1997
Rainbow 3	16	309159	May 6, 1992	May 6, 1997
Rainbow 4	10	323956	March 1, 1994	March 1, 1997

CLIMATE, TOPOGRAPHY AND VEGETATION

The climate in the Rainbow claim area is transitional between dry conditions of the southern Interior Plateau, and wet conditions of the Cascade Mountains. Summers are hot and dry, and winters are cold with significant snowfalls.

The Rainbow claims span a vertical range between 840 meters at the Tulameen River to 1646 meters at the upper elevations of the Rainbow 3 claim. North of the Lawless Creek Forest Access Road, the terrain is mainly forested and topography is subdued. South of the road, the topography is steep and locally characterized by bluffs and canyons. Several small streams originate on Boulder Mountain and flow either southerly to Lawless Creek or easterly to Otter Lake.

The upper parts of the claims are forested with thick stands of spruce, fir and balsam, and a few red cedars. Large yellow pine trees are present but not numerous on the south facing upper slopes. Large parts of the area north of the Lawless Creek Road have been logged in recent years.

HISTORY

The mining history of the Tulameen area is documented in numerous government publications, and in more than 120 technical reports that have been filed for assessment purposes on mineral prospects in a 300 square kilometer area centered approximately on Tulameen.

The first comprehensive geological map of the Tulameen area was included in GSC Memoir 26 authored by Charles Camsell in 1913. Camsell showed the presence of a small granitic stock intruding the Nicola rocks in the area of the current Rainbow 3 claim.

Early prospectors were undoubtedly attracted to the Tulameen area by placer mining possibilities, particularly by discoveries of platinum in nearby streams and by production of large gold nuggets from Lawless and Boulder Creeks. A large gossaned alteration zone now exposed near the 9 kilometer mark on the Lawless Creek road occurs along a substantial creek valley that passes southerly through the Rainbow 2 claim. Several small bedrock pits located north of the road were excavated many decades ago and expose concentrations of pyrite and locally magnetite.

Important background information on the Rainbow claim area is contained in assessment reports 16016 and 17271. A 1993 preliminary prospecting report by Lisle and Ostensoe, and their report on the 1994 exploration work also provide background information. .

1995 WORK PROGRAM

The following work was completed on the Rainbow claims between June and October, 1995.

Work	Rainbow2	Rainbow 3	Rainbow 4	Total
Grid Lines.	8.50 Km.	3.725 Km.	8.00 Km.	20.225 Km.
Geochemical (soil) *	-	191	118	309 samples
Geology(1:5,000)	17.0 Km.	22.0 Km.	5 Km.	44.0 Km. ?

* 169 samples were selected from the above, and from those remaining from the 1994 work program. These samples were analyzed for gold and for 30 elements by ICP methods. 334 soil samples remain to be analyzed at a future date.

REGIONAL SETTING

The Nicola Group in southern British Columbia is part of a linear northwesterly Cordilleran belt of volcanic and sedimentary rocks developed in an Upper Triassic island arc. The group is , at least in the Princeton-Merritt area , a westward younging assemblage comprising:

a) An eastern belt of alkalic and calc-alkalic submarine volcanic rocks, lahar deposits, basaltic flows, and high-level syenite stocks.

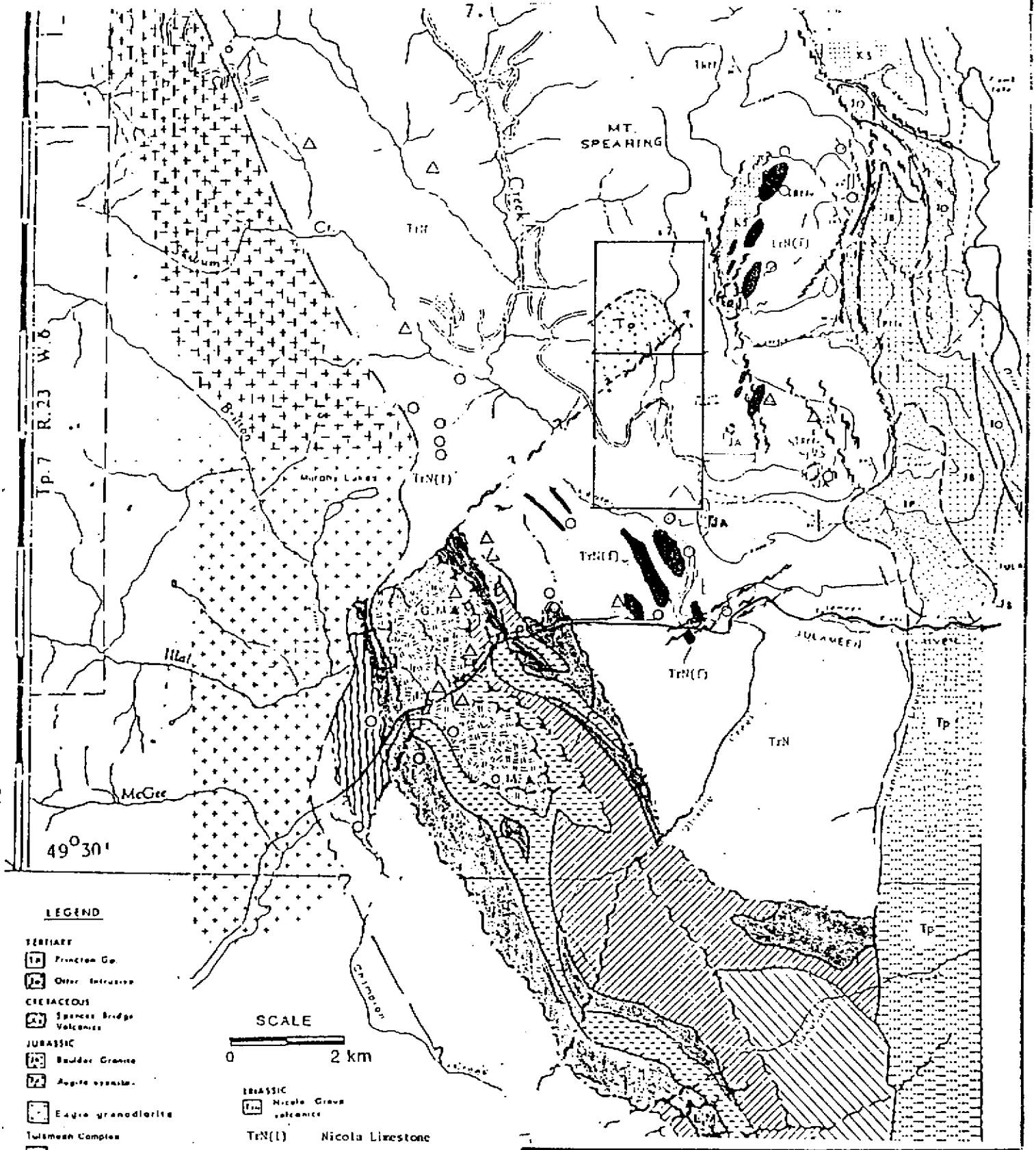
b) A central belt of alkalic and calc-alkalic subaerial and submarine assemblages of andesite, basalt and co-magmatic intrusions of diorite and syenite, and breccia, conglomerate and lahar deposits.

c) A western belt of calc-alkalic flow and pyroclastic rocks ranging in composition from andesite to rhyolite, with minor interbedded limestone, volcanic conglomerate, sandstone and argillite. This assemblage appears to underlie much of the Tulameen area.

The Nicola Group to the west of Tulameen is bounded on the west by the Eagle Granodiorite, a syntectonic intrusion of apparent upper Jurassic age. Both the Eagle Granodiorite, and amphibolitized Nicola Group rocks dip westerly along a regionally developed northwest foliation. Several small intrusions are present in the Tulameen area. They include the Late Triassic to Early Jurassic Boulder Granite, the upper Triassic Tulameen Ultramafic Complex, and Tertiary Otter granite stocks.

All of the older rock units are disrupted by faults that either trend northwest along the regional trend, or by Tertiary (Eocene) ? northeast faults that appear to mark the planes of significant right -lateral and vertical displacement. One of the northeast faults marks the north boundary of the Tulameen ultramafic complex and apparently trends northeast through the Rainbow claims close to an Otter Granite Stock. Figure 3 illustrates some of the features of the regional geology in the vicinity of Tulameen.

The Nicola volcanic rocks and related intrusions in south-central British Columbia are host to a number of world-class mineral deposits including copper-gold porphyries at Princeton and Kamloops; copper-molybdenum porphyries at Highland Valley; and the large Craigmont copper-iron skarn deposit at Merritt. In addition, the belt is host to a very large number of prospects, including those at Tulameen, that continue to be evaluated.



RAINBOW PROJECT
REGIONAL GEOLOGY, TULAMEEN AREA.

(Compiled from public sources)

Figure 3

GEOLOGY OF THE RAINBOW CLAIMS

The geology of the Tulameen area was first described by C. Camsell in 1913 in GSC Memoir 26, and was further elaborated by H.M.A.Rice in GSC Memoir 243 published in 1947. Both of these references showed the presence of a stock of Otter Granite in the area of the current Rainbow 3 claim, intruding both Nicola Group rocks and intrusive rocks variably described as either augite syenite or members of the Tulameen ultramafic complex, namely peridotite, pyroxenite or gabbro.

The oldest rocks in the area are Nicola Group flow and fragmental volcanic rocks that are mainly of andesitic composition. The assemblage is poorly to well bedded and forms a prominent belt along the east side of the Rainbow claims trending north northwest and dipping from about 55 to 75 degrees to the west. The belt is dominated by rocks provisionally mapped as augite crystal tuff, fine-grained tuff, subordinate amounts of plagioclase crystal tuff, and a variably textured tuff beccia that commonly contains distinctive pink to buff fine-grained felsic clasts. The clasts in this unit locally resemble crysts, and in places grade to pink stringers within or crossing foliation. The tuffaceous units are highly variable over narrow widths, and are interbedded with thin bands of andesite porphyry containing coarse feldspar laths. Near grid point 7+00N - 5+75E, a massive greenish-grey flow in contact with tuff may be dacitic in composition.

The andesitic unit is flanked on the west in part by a pale grey to greenish-grey rhyolite or feldspar porphyry . This unit is commonly siliceous pyritic, in places porphyritic, and is generally poorly exposed. The western contact is obscured by overburden that covers a topographic low over a few hundred meters of width, and the trace of the horizon from 12+00N, 1+50W and 18+75N, 4+00W is obscured by drift. The section between 18+75N and 25+00N and the flanking rocks to the east are marked by a limonitic bleached siliceous zone with up to 10% pyrite, +- magnetite and minor chalcopyrite that is partly coincident with magnetic anomalies of similar trend. Skarny propylitic assemblages of epidote, chlorite, quartz, pyrite and chalcopyrite are locally evident in the eastern segments of the alteration zone.

The southwest side of the Rainbow 2 claim is underlain by a dark-grey fine-grained dioritic unit that may grade from gabbro to syenite. While separated from the above, it also appears to trend northwest. Xenoliths of Nicola andesitic rocks are present, and alteration includes epidote, chlorite, magnetite and minor pyrite. The diorite has been intruded on the north by a stock of Otter Granite. Pink granitic stringers, dykes and disseminations are common in the diorite, around which the composition varies widely. The boundaries of the diorite are poorly defined. The distribution of outcrops indicates that it may join a diorite-syenite mass shown on regional maps to lie a short distance to the southeast.

The Otter Granite stock underlies a large western segment of the Rainbow 3 claim. The stock is complex in that it contains highly variable concentrations of poor to well assimilated xenoliths of Nicola volcanic rocks. Compositionally the stock grades from granite to granodiorite with border zones more basic, in some areas reported to grade to gabbro. Typically, the contacts are irregular and the granite occurs in stringers, dykes and irregular masses. It is commonly pink to grey in colour, fine to medium-grained, and locally porphyritic. Altered biotite and hornblende are locally evident. The area north of the rhyolitic unit contains up to a few percent pyrite.

A poorly defined +- 15 meter zone of intense argillic alteration occurs at line 25+00N, 5+50 W, near the interpreted boundary between the granite and rhyolite. Argillic alteration, in part related to northeast fractures, is also evident in a road cut near 19+50N, 4+50W.

Camsell showed the contact between the diorite-syenite and Otter granite to trend northeast. Assessment report 15,315) shows a large area near the headwaters of Lockie Creek immediately east of Rainbow 3 claim also to be underlain by granodiorite and diorite , and assessment report 16016 notes the presence of an area of Red granite in the eastern sections of the Rainbow 4 mineral claim. These occurrences suggest the possibility of a much larger area of Otter Granite.

A number of small basaltic dykes related to the Eocene Princeton Group, cut all of the older units. Typically they are black to dark-grey, magnetic, and locally porphyritic with fine hornblende, biotite or feldspar. These exposures are commonly accompanied by strong northeast fracture sets, that are thought to relate to Eocene faults that also trend northeast.

GEOCHEMICAL SURVEY

A total of 411 of 610 soil samples collected in the 1994 survey were analyzed for gold, and for 30 additional elements by ICP techniques. An additional 309 soil samples were collected during the 1995 program. To get the best coverage over the central area of interest noted above, 169 soil samples from both the 1994 and 1995 programs were analyzed as above. 334 soil samples are on hand for future analyses.

The 1995 samples were collected with a shovel in much the same manner as the 1994 samples. Details of the sample site, soil depth, horizon and other sample characteristics were recorded on data sheets that are included along with analytic data as an appendix to this report. The Acme Analytical Laboratory procedure on the -80 mesh soil fraction is explained on Geochemical Analyses Certificates.

For purposes of discussion, ice direction in the claim area is believed to be southwest as shown on figures 5 and 6. The gold and copper data has been plotted on figure 6 and is compiled along with results of the 1994 work. A preliminary assessment of the data indicates the following:

Gold content of the soils ranged to a high of 290 ppb. Contoured at 10 ppb, the distribution shows a loose clustering of 1 to 5 station anomalies that are partly coincident with the siliceous rhyolite and alteration zone, or down slope and down ice from that zone. Anomalous zones on the north section of Rainbow 4 claim occur in overburden covered areas to the west of tuffaceous outcrops that are similar to those mapped to the north.

A number of anomalous (+100 ppm) copper analyses are present. They typically occur over andesitic rocks to the east of the rhyolite zone, and are partly coincident with areas of known mineralization at or close to the property boundary. The highest result detected was 466 ppm located at 22+00N and 2+ 50 west.

The analyses revealed mainly background concentrations for other elements. Zinc, lead, silver and arsenic contents ranged to highs of 263 ppm, 75 ppm, 0.60 ppm, 14 ppm. respectively.

MAGNETIC SURVEY.

A magnetic survey was conducted over the Rainbow claim grid in the fall of 1994 using two GSM-19 (19-T) high sensitivity proton magnetometer/gradiometers equipped with inbuilt microprocessors and memory. The field instrument was synchronized with a similar unit that was set up in Tulameen as a base station.

The magnetometers were initially tuned to a total magnetic field intensity of 58,000 nT, appropriate for the survey area. Observations were taken at 12.5 metre intervals on all 100 metre spaced grid lines with the exception of lines 35+00N and 36+00N. Steve Lowe, geophysical technician , data processor and autocad specialist, examined the data and executed corrections and procedures to produce computer-generated plan and profile presentations.

The results of the survey were summarized by Lisle and Ostensoe in a report dated January 15, 1995. Modifications, reflecting the geological mapping carried out in 1995 are presented as follows:

1) Magnetic relief in the survey area is low and commonly within a range of 300 nT.
2) Magnetic values tend to be slightly higher in the north and east parts of the grid relative to values observed elsewhere.

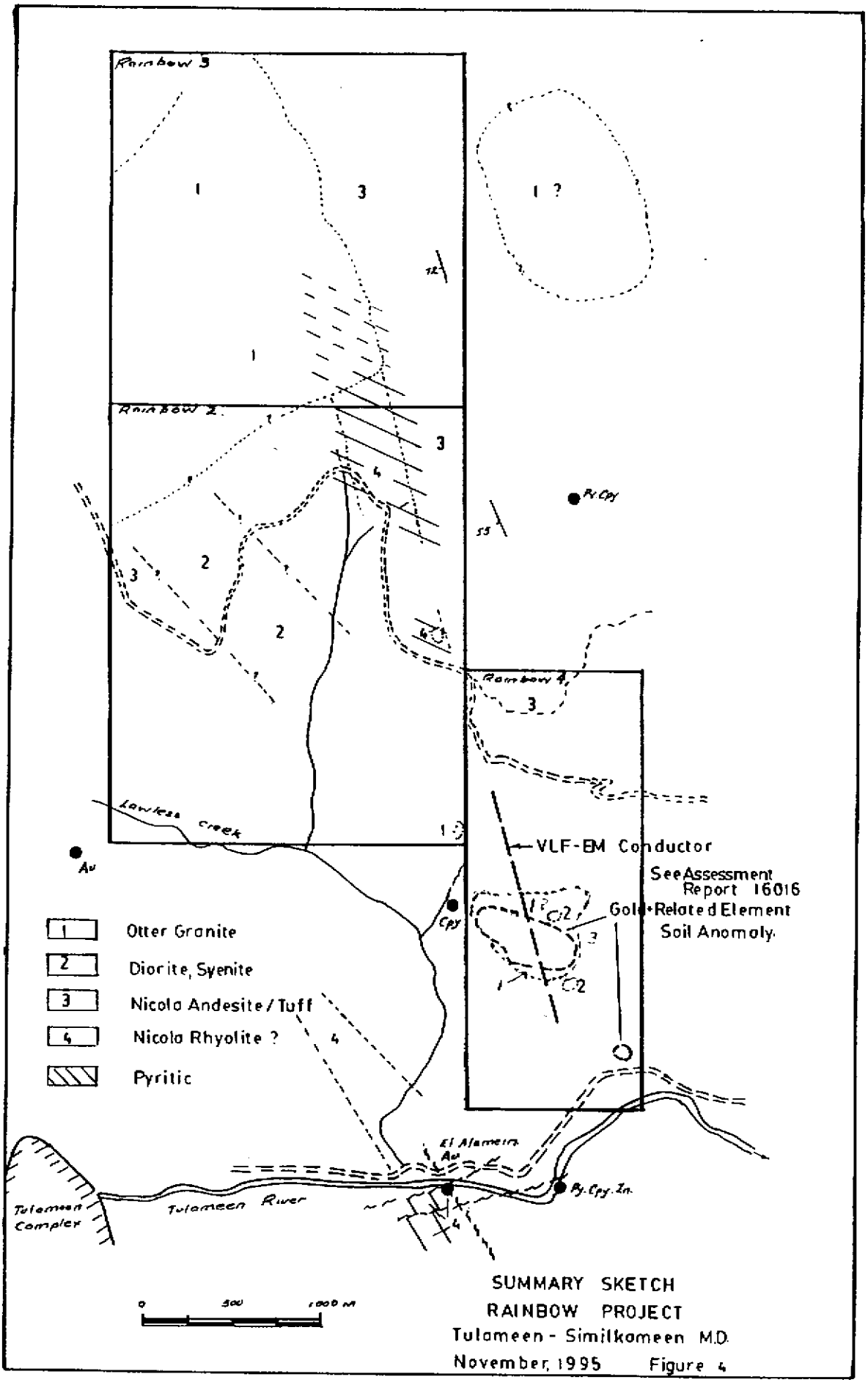
3) The southwest corner of the grid, in particular Lines 8+00N through 14+00N from about 5+00W to 10+00W, exhibits high magnetic relief up to about 1100 nT and is magnetically distinct from the balance of the grid. This area is largely underlain by dioritic rocks that could be expected to contain magnetite mineralization. The diorite is however intruded by dyke-like masses of Otter Granite within and around which magnetite is present. For this reason, uncertainty exists as to the cause of the magnetic signature.

4) A series of narrow magnetic "highs", up to about 500 nT, form a conspicuous, but locally broken, north-northwesterly linear trend from the southeast to northwest corners of the grid. Some, but not all, of these highs are spatially, and likely directly related to the mafic fine-grained Tertiary dykes. There remains however a north northwesterly grain to the magnetics in this area that is emphasized by a small number of line to line responses of small amplitude both positive and negative.

DISCUSSION.

Poor exposure along trend, and particularly along the west flank of the rhyolite, limits interpretation both as to the size and shape and origin of this unit. There are a large number of feldspar porphyry dykes in the Tulameen area, some of which are pyritic, and some of which have been investigated for economic mineralization. Rice described some of the Otter Granite related dykes as follows: "--- a bewildering array of types no two of which are exactly alike. Some are clearly fine-grained phases of the red or the grey granite and need no further description, but these are in the minority. In general terms the usual type is a rock with very fine-grained groundmass in some shade of red, buff, liver, mauve or grey in which are set conspicuous phenocrysts of white or pink feldspar, and in some specimens, much smaller phenocrysts of Camselbiotite and amphibole".

Property immediately to the east of the Rainbow claims was investigated by the Abermin Corporation in the 1980's. The Abermin work showed a spatial relationship of a number of vein and stratiform sulphide occurrences on Rabbitt and Boulder Mountains to dacitic horizons thought to be part of the upper Nicola Group. Siliceous rocks similar to those observed on the Rainbow ground were noted at one of the Boulder Mountain prospects, however detailed correlation has not been carried out. Detailed mapping carried out by GEP Eastwood on the El Alemein property near the south boundary of the Rainbow 4 claim showed that the gold prospect occurs in or near a northwest trending rhyolite horizon containing both porphyritic and breccia phases.


Rainbow 3
Rainbow 2
Rainbow 4
1
2
3
4
1 ?
Py Cpy
Lawless Creek
Au
Cpy
VLF-EM Conductor
See Assessment Report 16016
Gold+Related Element Soil Anomaly
C1
C2
Otter Granite
Diorite, Syenite
Nicola Andesite / Tuff
Nicola Rhyolite ?
Pyritic
El Alamein Au
Py. Cpy. In.
Tulameen Complex
Tulameen River
0
500
1000 M
SUMMARY SKETCH
RAINBOW PROJECT
Tulameen - Similkameen M.D.
November, 1995 Figure 4

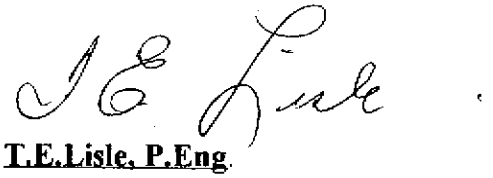
Uncertainty remains as to whether the felsic unit at the Rainbow property in intrusive or extrusive. Regardless of the origin, the mineralization and alteration associated with this horizon represents an important exploration target requiring further evaluation. The characteristics of this target are summarized herewith:

1) A strong alteration zone associated with a felsic rhyolite horizon contains up to 10% pyrite with or without magnetite and minor chalcopyrite over a significant strike length.

2) Much of the trace of the zone, and particularly the west flank of the zone is covered by glacial drift.

3) A number of gold soil anomalies are loosely clustered along or near the zone, or down slope and down ice to the southwest.

4) The zone has an interpreted north northwest trend based on outcrop distribution. This is similar to bedding attitudes mapped to the east and is comparable to geochemical and geophysical trends reported on ground immediately to the east of the Rainbow 2 and 3 mineral claims. The trend is supported in part by magnetic anomalies detected in 1994 surveys. The indicated trace to the southeast on the Rainbow 4 claim is marked by a VLF-EM conductor that is in part associated with anomalous gold in the soil (A.R. 16,016).



T.E.Lisle, P.Eng. November 30, 1995.

REFERENCES.

1) Lord, T. and Green, A	Soils and Surficial Geology of the Tulameen Area. Agriculture Canada, 1974.
2) Cook, S.J. and Fletcher, W.K.	Platinum Distribution in Soil Profiles of the Tulameen Ultramafic Complex, Southern British Columbia. Journal of Geochemical Exploration , July, 1994.
3) Camsell, C.	Geology and Mineral deposits of the Tulameen District, British Columbia. GSC Memoir 26, 1913.
4) Monger, J.W.H.	Geology of the Hope and Ashcroft Map Areas, British Columbia. Maps 41-1989, 42-1989. Geological Survey of Canada.
5) Preto, V.A.	Geology of the Nicola Group between Merritt and Princeton. Bulletin 69, B.C. Ministry of Energy Mines and Petroleum Resources, 1979.
6) Rice, H.M. A.	Geology and Mineral Deposits of the Princeton Map Area. G.S.C. Memoir 243, 1947.
7) Nixon, G.T.	Geology of the Tulameen Ultramafic Complex. Open File 1988-25. B.C. Ministry of Energy, Mines and Petroleum Resources, 1988.
8) Lisle, T. Ostensoe, E.	Prospecting Report on the Rainbow 2 and 3 Mineral Claims, Tulameen Area, Similkameen Mining Division.B.C. January 15, 1993. Assessment Report.
9) Lisle, T. Ostensoe, E.	Geochemical and Geophysical Report on the Rainbow 2 and 3 Mineral Claims, Tulameen Area, Similkameen Mining Division, January 15, 1995. Assessment Report.
10)	B.C. Ministry of Energy, Mines and Petroleum Resources Assessment Reports 15,315, 16,016 and 17,271.

APPENDIX 3

ASSAY AND GEOCHEMICAL DATA SHEETS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Tom Lisle File # 95-4534 Page 1

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

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 P6 SOIL AU* - IGNITED, AQUA-REGIA/MIBK EXTRACT, GF/AA FINISHED.

DATE RECEIVED: NOV 6 1995 **DATE REPORT MAILED:** Nov 15/95 **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
L29N 10+00W	1	35	12	128	<.3	19	16	644	4.27	7	<5	<2	3	34	<.2	<2	<2	80	.31	.074	19	32	.84	129	.08	5	3.03	.02	.08	<2	4
L29N 9+50W	1	32	11	73	<.3	17	12	616	4.17	5	<5	<2	2	34	<.2	<2	<2	81	.33	.053	13	33	1.10	121	.09	3	2.48	.02	.08	<2	6
L29N 9+00W	2	37	12	93	<.3	18	17	617	4.75	7	<5	<2	4	19	.2	<2	<2	80	.16	.092	17	30	.95	124	.10	7	3.91	.02	.08	<2	3
L29N 8+50W	3	34	9	79	<.3	19	17	645	4.90	9	<5	<2	5	18	<.2	<2	<2	77	.13	.125	13	27	1.05	104	.07	4	3.81	.01	.09	<2	5
L29N 8+00W	3	28	12	73	<.3	14	17	901	5.14	8	<5	<2	5	14	<.2	<2	<2	87	.10	.170	15	24	.85	94	.06	3	3.98	.02	.09	<2	10
L29N 6+00W	2	86	7	73	.4	26	10	607	4.04	6	<5	<2	<2	41	.2	<2	<2	70	.53	.076	70	23	.69	96	.08	3	3.91	.02	.04	<2	4
L29N 5+50W	1	55	9	81	<.3	19	14	762	4.41	2	<5	<2	2	34	.2	<2	<2	82	.36	.083	22	25	1.37	109	.05	<3	3.36	.01	.07	<2	1
L29N 5+00W	2	42	10	97	<.3	18	17	766	4.59	7	<5	<2	2	20	.2	<2	<2	90	.17	.093	10	27	1.15	112	.06	4	3.25	.01	.07	<2	2
L29N 4+50W	1	88	10	116	<.3	17	17	863	4.43	8	<5	<2	2	31	<.2	<2	<2	79	.34	.066	16	27	1.23	131	.07	3	2.62	.02	.08	<2	1
L29N 4+00W	4	84	17	105	<.3	18	18	1521	4.90	6	<5	<2	2	42	1.3	<2	<2	90	.54	.075	24	30	1.20	157	.06	5	3.47	.02	.09	<2	5
L29N 3+50W	2	61	13	95	<.3	15	16	878	4.53	7	<5	<2	<2	49	.6	<2	<2	80	.63	.057	13	27	1.34	118	.05	5	2.69	.02	.08	<2	6
L29N 3+00W	1	79	15	149	.3	12	11	904	3.97	<2	<5	<2	<2	48	.3	<2	<2	71	.63	.060	45	24	.97	195	.05	4	2.79	.02	.11	<2	3
L29N 0+50W	3	78	12	115	.3	16	8	477	4.12	6	<5	<2	<2	62	.4	<2	<2	60	1.09	.058	24	23	.68	134	.07	<3	2.65	.03	.06	<2	13
L29N 0+00W	3	87 ✓	11	93	.3	15	8	720	3.39	3	<5	<2	<2	85	.6	<2	<2	50	1.91	.069	24	18	.53	132	.06	<3	2.38	.02	.05	<2	10 ✓
L27N 10+00W	4	39	16	96	<.3	15	15	604	4.47	5	<5	<2	4	24	<.2	<2	2	76	.25	.112	18	26	.94	175	.08	3	3.36	.02	.09	<2	2
L27N 9+50W	3	22	10	56	<.3	13	13	485	4.00	8	<5	<2	3	22	.4	<2	<2	68	.22	.077	13	20	1.04	129	.06	<3	2.33	.02	.07	<2	4
L27N 9+00W	3	29	9	70	<.3	13	17	468	5.04	9	<5	<2	5	23	.4	<2	<2	71	.21	.099	23	21	.87	122	.07	3	3.01	.01	.09	<2	6
L27N 8+50W	4	30	11	65	<.3	12	16	950	4.78	4	<5	<2	3	25	.3	<2	<2	75	.30	.078	37	20	.81	132	.07	<3	2.69	.02	.07	<2	3
L27N 8+00W	2	36	11	54	<.3	16	18	625	4.76	4	<5	<2	4	26	.2	<2	<2	75	.22	.083	18	21	1.24	126	.06	<3	2.68	.02	.08	<2	2
L27N 7+50W	3	29	10	69	<.3	15	17	1369	4.51	<2	<5	<2	3	19	<.2	<2	<2	75	.17	.096	18	21	.92	129	.06	5	3.05	.02	.10	<2	2
L27N 7+00W	3	37	11	64	<.3	12	17	655	4.97	4	<5	<2	6	19	<.2	<2	<2	78	.15	.120	22	21	.98	101	.07	<3	3.39	.02	.10	<2	3
L27N 6+50W	3	46	10	60	<.3	15	22	765	5.78	10	<5	<2	6	20	<.2	<2	<2	83	.14	.132	18	27	1.30	102	.06	3	3.56	.01	.08	<2	2
L27N 6+00W	2	42	12	71	<.3	39	23	870	5.04	<2	<5	<2	4	29	<.2	<2	<2	108	.32	.079	25	55	1.51	134	.08	<3	4.01	.02	.08	<2	7
L27N 5+50W	1	67	11	80	<.3	26	19	790	4.86	3	<5	<2	3	21	<.2	<2	<2	106	.19	.086	10	28	1.48	120	.08	<3	3.99	.02	.08	<2	5
RE L27N 5+50W	1	67	6	78	<.3	25	19	790	4.79	<2	<5	<2	3	20	.3	<2	<2	104	.19	.086	10	28	1.47	119	.08	<3	3.94	.01	.08	<2	4
L27N 5+00W	1	49	12	88	<.3	17	14	826	4.37	5	<5	<2	2	18	<.2	<2	<2	82	.16	.115	10	27	1.08	100	.06	3	3.42	.01	.08	<2	3
L27N 4+50W	5	92	18	123	<.3	26	16	882	4.88	<2	<5	<2	3	41	.6	<2	<2	94	.44	.059	27	33	1.14	137	.09	3	3.86	.02	.10	<2	7
L27N 4+00W	2	48	7	116	<.3	17	14	892	4.40	7	<5	<2	2	27	.4	<2	<2	75	.27	.076	14	25	1.09	124	.06	<3	2.65	.02	.08	<2	4
L27N 3+50W	2	46	15	135	<.3	18	17	610	4.57	6	<5	<2	2	25	<.2	<2	<2	75	.27	.098	13	24	.92	112	.06	<3	3.14	.02	.10	<2	1
L27N 1+00W	2	45	15	126	<.3	23	12	4121	3.85	<2	<5	<2	<2	66	.6	<2	2	59	.88	.055	15	31	.87	185	.06	<3	3.28	.02	.09	<2	1
L27N 0+50W	2	39	21	122	<.3	20	13	946	4.17	6	<5	<2	2	39	.6	<2	<2	73	.50	.059	17	30	1.05	118	.06	<3	2.53	.02	.09	<2	2
L27N 0+00W	1	42 ✓	14	109	<.3	17	11	707	4.05	4	<5	<2	<2	40	.2	<2	<2	79	.48	.044	18	29	.94	133	.08	<3	2.21	.02	.09	<2	3 ✓
L25N 10+00W	3	33	15	113	<.3	15	13	644	4.25	7	<5	<2	2	34	.2	<2	<2	69	.41	.041	24	23	1.00	169	.06	<3	2.48	.02	.08	<2	3
L25N 9+50W	2	31	15	91	<.3	14	10	514	3.66	5	<5	<2	2	27	.3	<2	<2	59	.30	.051	17	21	.95	114	.05	<3	2.09	.01	.09	<2	4
L25N 9+00W	2	47 ✓	38	165	<.3	13	12	678	4.19	4	<5	<2	2	30	.6	<2	<2	62	.35	.085	18	20	1.15	79	.05	<3	1.89	.02	.09	<2	11
STANDARD C/AU-S	19	56	35	122	6.9	65	30	1074	3.88	41	17	7	35	48	17.9	17	23	64	.48	.088	38	54	.86	185	.08	27	1.78	.06	.15	11	51 ✓

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

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
L25N 8+50W	2	38	9	59	<.3	14	15	799	4.35	5	<5	<2	3	35	.2	<2	<2	71	.37	.094	20	27	1.43	114	.06	<3	2.55	.02	.10	<2	3
L25N 8+00W	2	31	10	87	<.3	11	19	734	5.48	5	<5	<2	4	36	<.2	<2	<2	91	.33	.154	15	19	1.30	118	.04	<3	2.99	.01	.08	<2	3
L25N 7+50W	2	60	12	107	<.3	20	20	801	5.37	11	<5	<2	5	29	.8	<2	2	78	.21	.103	16	28	1.56	175	.07	3	3.45	.02	.12	<2	5
L25N 3+50W	<1	32	8	71	<.3	12	13	873	4.42	<2	<5	<2	2	42	.4	<2	<2	118	.46	.122	11	18	1.93	86	.13	<3	3.23	.02	.06	<2	<1
L25N 3+00W	3	73	17	111	<.3	19	17	1000	5.22	10	<5	<2	3	41	.4	<2	4	89	.44	.091	18	27	1.41	176	.09	<3	3.29	.02	.09	<2	4
L25N 2+50W	2	36	12	138	<.3	11	16	1148	4.71	3	<5	<2	2	25	<.2	<2	2	72	.24	.132	10	20	.85	154	.08	<3	2.85	.02	.07	<2	5
L25N 2+00W	2	90	16	107	.3	18	15	1267	4.65	7	<5	<2	<2	47	.2	<2	2	67	.57	.061	20	26	1.20	179	.05	<3	2.75	.02	.09	<2	3
L25N 1+50W	2	56	17	108	<.3	17	12	889	4.47	2	<5	<2	<2	54	.3	<2	<2	70	.65	.060	21	29	1.03	189	.06	<3	2.92	.02	.08	<2	2
L25N 1+00W	1	42	17	146	<.3	16	13	552	4.13	11	<5	<2	2	24	.6	<2	3	68	.22	.072	13	27	.71	153	.06	<3	3.21	.02	.08	<2	1
L25N 0+50W	1	53	18	116	<.3	16	13	1059	4.76	14	<5	<2	2	36	.3	<2	<2	74	.38	.065	16	28	1.21	134	.07	<3	2.48	.02	.12	<2	5
L25N 0+00W	1	61 ✓	16	118	<.3	16	14	832	4.49	9	<5	<2	2	24	.2	<2	<2	67	.22	.048	14	28	1.02	125	.05	<3	2.37	.02	.08	<2	6 ✓
L23N 9+00W	2	50	15	110	<.3	20	17	752	4.77	8	<5	<2	3	31	.5	<2	<2	74	.34	.091	17	29	1.22	125	.06	<3	2.66	.02	.10	<2	3
L23N 8+50W	2	44	16	107	<.3	15	15	788	4.39	2	<5	<2	3	28	.5	<2	<2	67	.29	.085	15	26	1.08	132	.05	<3	2.51	.02	.09	<2	5
L23N 8+00W	1	44	19	114	<.3	12	12	864	4.48	9	<5	<2	2	30	.5	2	<2	65	.33	.097	15	22	1.00	121	.06	<3	2.19	.02	.14	<2	3
L23N 7+50W	1	46	21	113	<.3	13	12	950	4.30	6	<5	<2	2	29	<.2	<2	2	62	.32	.070	17	22	.88	113	.07	<3	1.99	.02	.13	<2	10
L23N 7+00W	1	39	13	86	<.3	15	15	697	4.73	4	<5	<2	3	33	.2	<2	2	72	.32	.103	15	25	1.17	123	.06	<3	2.49	.02	.08	<2	4
RE L23N 7+00W	2	39	12	88	<.3	15	14	707	4.76	2	<5	<2	4	33	.6	<2	<2	72	.32	.106	15	23	1.17	127	.06	<3	2.54	.01	.08	<2	3
L23N 3+50W	1	30	11	99	<.3	21	16	905	3.95	3	<5	<2	2	21	.4	2	<2	66	.22	.120	10	23	.76	136	.07	<3	2.88	.01	.08	<2	3
L23N 3+00W	2	57	20	141	<.3	19	22	1601	5.13	7	<5	<2	3	26	<.2	<2	<2	83	.26	.137	15	28	1.08	169	.08	<3	4.07	.02	.13	<2	7
L23N 2+50W	2	60	24	161	<.3	20	15	872	5.13	10	<5	<2	3	21	.7	<2	2	79	.19	.107	13	31	1.11	186	.07	<3	3.98	.02	.11	<2	4
L23N 2+00W	2	101	19	149	<.3	17	13	1438	4.57	5	<5	<2	2	24	.4	<2	<2	75	.24	.097	16	27	.86	160	.07	<3	3.61	.02	.09	<2	4
L23N 1+50W	4	73	21	154	.6	22	11	719	4.44	4	<5	<2	3	46	.8	<2	3	68	.50	.075	30	27	.80	179	.11	<3	4.78	.02	.07	<2	5
L23N 1+00W	2	49	12	108	<.3	16	15	588	4.69	10	<5	<2	3	30	.4	<2	<2	81	.27	.063	14	29	.91	170	.07	3	3.66	.01	.07	<2	3
L23N 0+50W	1	32	12	129	.3	16	12	463	4.21	6	<5	<2	2	19	.5	<2	<2	69	.21	.071	9	23	.69	175	.06	<3	2.90	.02	.07	<2	6
L23N 0+00W	4	58 ✓	19	128	<.3	18	15	1325	4.75	14	<5	<2	<2	26	.2	<2	<2	67	.35	.095	18	30	1.18	201	.05	<3	2.30	.01	.12	<2	6 ✓
L21N 10+00W	2	36	16	122	<.3	15	16	1299	4.49	<2	<5	<2	2	23	.5	<2	3	66	.23	.106	11	22	.73	138	.07	<3	2.50	.01	.07	<2	14
L21N 9+50W	2	47	12	134	<.3	18	16	1130	4.61	7	<5	<2	3	25	.8	<2	<2	66	.25	.119	11	23	.97	190	.07	<3	2.80	.02	.09	<2	3
L21N 9+00W	1	43	12	93	<.3	16	16	819	4.38	2	<5	<2	3	30	.4	<2	<2	67	.32	.089	14	23	1.13	131	.07	<3	2.28	.02	.08	<2	6
L21N 8+50W	1	46	19	138	<.3	16	17	1253	4.39	2	<5	<2	3	28	<.2	<2	3	66	.29	.136	16	23	.93	196	.07	<3	2.81	.02	.10	<2	6
L21N 8+00W	2	51	17	129	<.3	20	19	1317	5.24	9	<5	<2	3	34	<.2	<2	<2	74	.36	.123	23	26	1.09	162	.07	5	2.79	.02	.13	<2	6
L21N 7+50W	2	54	10	84	<.3	11	15	744	4.44	7	<5	<2	3	27	.4	<2	3	56	.29	.112	12	17	.79	121	.04	3	2.17	.01	.08	<2	35
L21N 7+00W	2	46	13	85	<.3	16	14	917	4.42	6	<5	<2	4	48	.5	<2	2	69	.63	.137	25	27	1.22	97	.06	<3	1.94	.03	.09	<2	7
L21N 6+50W	2	56	15	121	<.3	19	22	881	5.81	7	<5	<2	2	40	<.2	<2	2	74	.41	.118	29	22	.94	157	.05	<3	2.64	.02	.08	<2	7
L21N 6+00W	3	54	13	97	<.3	17	19	1136	5.29	<2	<5	<2	5	45	.4	<2	<2	72	.41	.129	34	26	1.30	144	.05	<3	2.49	.02	.11	<2	7
L21N 5+50W	7	13 ✓	<3	21	<.3	8	11	275	4.18	<2	<5	<2	7	74	<.2	<2	<2	44	.13	.086	19	17	1.04	76	.02	<3	1.50	.04	.08	<2	6 ✓
STANDARD C/AU-S	20	58	40	129	6.4	67	30	1125	4.05	41	18	7	38	51	17.5	17	22	60	.49	.091	40	59	.91	210	.08	24	1.88	.06	.15	11	49

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

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
L21N 5+00W	2	38	7	54	<.3	15	15	406	5.09	<2	<5	<2	4	41	<.2	<2	<2	63	.22	.113	14	20	.87	124	.08	<3	2.37	.02	.08	<2	2
L21N 3+00W	2	48	13	88	<.3	20	22	769	5.03	5	<5	<2	3	33	<.2	<2	2	76	.28	.124	16	24	1.23	151	.09	<3	3.11	.02	.09	<2	15
L21N 2+50W	4	43	14	118	<.3	18	25	1048	5.14	5	<5	<2	2	26	.2	<2	<2	69	.25	.160	14	26	1.05	149	.07	3	3.19	.01	.12	<2	2
L21N 2+00W	4	91	10	118	.5	29	20	1254	4.93	3	<5	<2	2	42	.4	<2	<2	71	.64	.055	22	37	.95	220	.10	3	3.76	.02	.08	<2	4
L21N 1+50W	3	65	7	106	<.3	19	23	603	5.42	<2	<5	<2	2	22	.5	<2	<2	79	.20	.130	9	25	.97	91	.07	<3	3.30	.02	.09	<2	1
L21N 1+00W	4	69	10	123	<.3	17	26	629	5.19	<2	<5	<2	2	28	<.2	<2	5	70	.32	.106	12	25	.89	170	.07	<3	3.75	.01	.10	<2	1
L21N 0+50W	1	42	16	160	<.3	16	13	1014	4.26	2	<5	<2	2	23	.4	<2	2	63	.26	.085	13	25	.97	143	.05	<3	3.03	.02	.11	<2	19
L21N 0+00W	1	52	11	138	<.3	16	13	574	4.48	8	<5	<2	2	21	<.2	<2	<2	62	.20	.079	13	26	.95	143	.05	3	3.12	.01	.09	<2	2
L19N 6+50W	2	52	8	76	<.3	14	13	538	4.28	<2	<5	<2	3	27	.3	<2	2	53	.29	.090	14	20	.88	92	.06	<3	1.91	.01	.06	<2	2
L19N 6+00W	2	45	11	72	<.3	16	15	536	4.65	7	<5	<2	3	37	<.2	<2	<2	64	.33	.099	13	20	1.05	100	.07	<3	2.18	.01	.06	<2	3
L19N 5+50W	2	46	19	180	<.3	15	19	806	5.18	3	<5	<2	4	29	.3	<2	3	70	.25	.149	16	20	.78	147	.10	<3	2.69	.02	.08	<2	6
L19N 5+00W	2	50	8	87	<.3	15	17	577	4.76	9	<5	<2	2	40	.3	<2	<2	68	.40	.067	17	20	1.03	79	.09	<3	1.78	.02	.09	<2	2
RE L15N 1+50W	2	90	18	170	<.3	18	19	1227	4.94	5	<5	<2	2	28	<.2	<2	3	75	.30	.133	17	28	1.08	175	.07	<3	3.30	.02	.16	<2	1
L19N 4+50W	5	24	4	71	<.3	19	20	872	4.75	<2	<5	<2	7	41	.2	<2	5	58	.31	.102	26	13	.67	158	.05	<3	2.07	.02	.08	<2	16
L17N 6+50W	3	33	8	112	<.3	12	17	772	4.80	<2	<5	<2	6	17	<.2	<2	<2	54	.14	.172	15	17	.60	116	.09	<3	2.66	.02	.07	<2	7
L17N 6+00W	11	80	15	64	<.3	15	21	516	7.33	10	<5	<2	10	24	.4	<2	4	56	.17	.219	18	19	.91	98	.03	<3	2.73	.01	.07	<2	5
L17N 5+50W	4	47	10	113	<.3	15	19	681	5.85	5	<5	<2	4	31	.4	<2	<2	65	.26	.140	14	20	.77	120	.08	3	2.56	.02	.08	<2	24
L17N 5+00W	2	66	13	179	.3	20	17	734	4.56	2	<5	<2	2	32	.2	<2	<2	64	.38	.083	23	23	.87	141	.08	<3	2.88	.01	.10	<2	4
L17N 4+50W	2	71	11	84	<.3	17	17	1066	4.91	6	<5	<2	3	46	.6	<2	2	67	.65	.103	20	28	1.31	112	.07	<3	2.30	.02	.10	<2	7
L15N 5+00W	1	51	12	164	<.3	18	17	935	4.37	5	<5	<2	2	33	.4	<2	2	68	.34	.110	11	24	.84	152	.09	<3	2.26	.02	.09	<2	2
L15N 4+50W	1	45	12	132	<.3	16	17	696	4.35	3	<5	<2	2	35	.4	<2	<2	64	.36	.070	14	24	.99	123	.09	<3	2.31	.02	.13	<2	44
L15N 4+00W	1	40	9	95	<.3	13	14	672	4.29	8	<5	<2	2	33	<.2	<2	2	65	.36	.091	11	23	1.09	85	.07	<3	2.12	.02	.09	<2	2
L15N 3+50W	1	64	8	147	<.3	15	14	666	4.03	6	<5	<2	<2	34	.4	<2	2	61	.38	.075	12	23	.88	135	.07	3	2.51	.02	.09	<2	18
L15N 3+00W	1	51	11	153	<.3	15	15	891	3.96	<2	<5	<2	2	33	.6	<2	<2	61	.38	.098	13	22	.86	130	.07	<3	2.27	.02	.09	<2	12
L15N 2+50W	2	49	13	181	<.3	16	16	784	3.99	2	<5	<2	2	26	.5	<2	<2	62	.29	.096	12	23	.84	140	.07	<3	2.71	.02	.09	<2	3
L15N 2+00W	1	32	12	224	<.3	17	14	904	3.66	<2	<5	<2	2	25	.6	<2	<2	58	.28	.138	9	20	.73	140	.08	<3	2.33	.02	.11	<2	2
L15N 1+50W	2	83	15	160	<.3	16	16	1145	4.63	<2	<5	<2	2	27	.4	<2	<2	70	.29	.123	16	26	1.01	161	.07	<3	3.07	.01	.15	<2	2
L15N 1+00W	1	47	13	132	<.3	16	14	881	4.45	6	<5	<2	2	24	<.2	<2	<2	70	.27	.082	11	25	1.04	125	.06	<3	2.88	.01	.12	<2	2
L15N 0+50W	1	55	14	129	<.3	19	16	1004	4.77	5	<5	<2	3	24	.4	<2	<2	71	.24	.093	15	28	1.05	160	.08	<3	3.48	.02	.11	<2	1
L15N 0+00W	1	31	13	148	<.3	16	12	1122	3.78	9	<5	<2	2	28	.8	<2	3	59	.37	.114	9	21	.70	171	.07	3	2.11	.02	.13	2	9
L13N 5+00W	1	60	7	82	<.3	13	12	663	4.06	5	<5	<2	2	43	<.2	<2	3	65	.59	.077	16	27	1.17	68	.08	<3	1.92	.02	.10	<2	4
L13N 4+50W	1	46	5	77	<.3	11	12	588	3.75	<2	<5	<2	<2	37	<.2	<2	2	58	.40	.052	11	22	1.00	44	.08	<3	1.65	.01	.09	<2	71
L13N 4+00W	1	45	10	100	<.3	13	12	594	3.74	5	<5	<2	<2	35	<.2	<2	2	60	.37	.045	10	21	.98	90	.08	<3	1.81	.02	.08	<2	18
L13N 3+50W	2	39	11	126	<.3	15	29	696	4.50	5	<5	<2	2	37	<.2	<2	<2	72	.37	.065	12	26	.99	124	.09	3	2.05	.02	.09	<2	4
L13N 3+00W	1	38	9	119	<.3	15	13	644	3.94	7	<5	<2	2	30	.7	<2	<2	63	.34	.058	10	23	1.03	90	.08	<3	1.83	.02	.09	<2	6
STANDARD C/AU-S	20	60	43	132	6.6	71	32	1160	4.17	42	16	7	38	52	17.5	19	23	58	.52	.094	41	62	.94	190	.09	30	1.95	.06	.16	11	44

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

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
L13N 2+50W	1	43	19	150	<.3	15	12	784	4.15	2	<5	<2	2	27	.6	<2	2	68	.31	.069	11	24	.93	111	.07	<3	1.92	.01	.09	<2	8
L13N 2+00W	1	53	17	209	.3	17	15	1317	4.23	8	<5	<2	2	24	.6	<2	2	68	.24	.127	12	25	.81	159	.09	<3	2.88	.02	.10	<2	25
L13N 1+50W	1	48	13	109	<.3	13	14	869	4.30	4	<5	<2	2	23	.6	<2	4	68	.36	.103	11	22	.95	88	.07	<3	1.81	.02	.07	<2	8
L13N 1+00W	1	74	23	219	.3	19	16	1364	4.70	10	<5	<2	3	31	.7	<2	2	70	.40	.259	15	25	1.00	178	.07	<3	2.94	.02	.14	<2	3
L13N 0+50W	1	59	16	133	<.3	14	13	718	4.29	6	<5	<2	2	26	.6	<2	3	67	.30	.095	15	23	.96	154	.08	<3	2.18	.02	.13	<2	2
L13N 0+00W ✓	2	143	6	119	<.3	15	15	988	4.49	10	<5	<2	3	28	.8	<2	<2	84	.29	.074	23	26	.95	149	.07	<3	2.67	.02	.09	<2	3 ✓
L10N 0+50E	1	30	10	117	<.3	16	12	774	3.85	3	<5	<2	<2	33	.8	<2	3	66	.38	.072	9	28	.99	98	.08	<3	1.89	.01	.14	<2	2
L10N 1+00E	2	31	7	98	<.3	15	13	1406	3.56	4	<5	<2	<2	40	.3	<2	<2	58	.52	.106	16	23	.82	192	.07	<3	1.98	.01	.20	<2	<1
L10N 1+50E	1	25	6	77	<.3	11	10	713	3.31	3	<5	<2	<2	26	.5	<2	3	58	.29	.049	9	22	.80	80	.08	<3	1.51	.01	.15	<2	1
L10N 2+00E	2	29	15	191	<.3	14	12	1887	3.64	2	<5	<2	<2	32	.5	<2	3	57	.36	.228	12	21	.81	194	.06	<3	2.34	.01	.11	<2	13
L10N 2+50E	2	32	20	182	<.3	16	12	1150	3.63	6	<5	<2	2	24	<.2	<2	2	58	.26	.183	12	19	.72	157	.07	4	2.39	.02	.11	<2	27
L10N 3+00E	2	46	12	116	<.3	17	14	971	4.14	2	<5	<2	2	30	.5	<2	<2	74	.39	.123	10	23	.96	115	.06	<3	2.44	.02	.11	<2	5
L10N 3+50E	1	103	12	137	<.3	22	20	2001	4.81	2	<5	<2	<2	61	.5	<2	3	69	.86	.101	25	29	1.01	205	.08	<3	3.48	.02	.11	<2	47
L10N 4+00E	1	45	8	110	<.3	20	15	1325	4.74	6	<5	<2	2	23	.7	<2	<2	81	.27	.200	10	29	1.00	147	.06	<3	3.07	.01	.10	<2	7
L10N 4+50E	1	51	13	103	<.3	19	14	1026	4.44	4	<5	<2	2	19	<.2	<2	3	72	.23	.097	16	33	1.04	146	.06	<3	3.07	.01	.08	<2	10
L10N 5+00E	1	45 ✓	11	125	<.3	19	12	1019	4.05	3	<5	<2	2	23	.3	<2	<2	67	.27	.096	14	32	.87	174	.05	<3	3.29	.02	.08	<2	4
L9N 5+00W	1	43	8	105	<.3	16	12	808	3.82	8	<5	<2	2	24	<.2	<2	4	65	.31	.067	11	26	.85	136	.08	3	1.94	.02	.10	<2	5
L9N 4+50W	1	36	14	210	<.3	17	13	1087	3.77	3	<5	<2	2	26	.6	<2	<2	61	.30	.119	11	24	.82	182	.07	<3	2.31	.01	.12	<2	2
L9N 4+00W	1	37	9	135	<.3	15	12	656	3.88	6	<5	<2	<2	28	.5	<2	2	65	.36	.069	10	23	.97	91	.07	<3	1.80	.02	.12	<2	31
L9N 3+50W	1	40	7	108	<.3	15	13	752	4.15	7	<5	<2	2	27	.7	<2	<2	72	.33	.085	11	27	1.01	88	.08	3	1.77	.02	.11	<2	2
L9N 3+00W	1	70	19	195	<.3	21	16	1339	4.60	5	<5	<2	3	31	.6	<2	<2	70	.37	.195	22	27	1.01	211	.09	<3	3.22	.02	.17	<2	2
L9N 2+50W	1	37	14	98	<.3	17	15	908	4.41	3	<5	<2	<2	34	<.2	<2	3	78	.46	.097	18	28	1.14	97	.10	<3	2.01	.02	.16	<2	1
L9N 2+00W	3	56	75	239	<.3	18	40	1230	4.92	2	<5	<2	2	47	.7	<2	<2	63	.63	.218	31	20	.90	136	.05	<3	2.29	.02	.11	<2	6
L9N 1+50W	2	61	12	71	<.3	20	20	684	4.58	5	<5	<2	<2	52	.3	<2	<2	82	.72	.092	16	33	1.03	101	.07	<3	2.23	.02	.11	<2	2
RE L9N 3+00W	1	69	22	195	<.3	23	17	1331	4.59	5	<5	<2	3	31	.8	<2	<2	69	.37	.195	21	27	1.01	210	.09	<3	3.23	.02	.17	<2	1
L9N 1+00W	2	28	8	120	<.3	14	13	1185	3.55	4	<5	<2	2	43	.8	<2	<2	57	.57	.076	16	23	.92	142	.07'	<3	2.42	.02	.12	<2	<1
L9N 0+50W	2	15	<3	48	<.3	8	9	503	2.78	<2	<5	<2	4	35	<.2	<2	<2	48	.42	.025	17	15	.84	71	.03	<3	1.65	.01	.12	<2	<1
L9N 0+00W ✓	4	15	5	33	<.3	5	10	463	3.14	4	<5	<2	<2	91	.3	<2	<2	50	1.35	.079	19	9	.83	102	.01	3	1.22	.01	.09	<2	<1 ✓
L9N 1+00E	1	35	14	183	<.3	18	15	1531	4.07	<2	<5	<2	2	38	.6	<2	<2	67	.49	.149	13	26	.93	192	.07	<3	2.33	.02	.17	<2	4
L9N 1+50E	1	37	11	143	<.3	16	12	937	3.93	2	<5	<2	<2	31	.6	<2	2	66	.35	.079	13	25	1.00	128	.08	3	2.05	.02	.15	<2	9
L9N 2+00E	1	29	8	182	<.3	18	12	1103	3.49	3	<5	<2	<2	30	.5	<2	2	60	.35	.140	10	22	.74	168	.07	3	2.23	.02	.13	<2	1
L9N 2+50E	1	23	10	193	<.3	18	11	1648	3.49	<2	<5	<2	<2	31	1.1	<2	3	62	.37	.185	10	23	.68	223	.08	<3	2.34	.02	.13	<2	4
L9N 3+00E	1	38	12	149	<.3	22	14	1539	3.68	2	<5	<2	2	26	<.2	<2	<2	63	.36	.190	11	25	.70	159	.07	<3	2.23	.01	.11	<2	2
L9N 3+50E	2	99	18	162	<.3	17	16	1006	4.24	<2	<5	<2	2	31	.2	<2	2	69	.36	.096	16	26	.83	163	.08	<3	2.78	.02	.11	<2	10
L9N 4+00E	1	40	9	113	<.3	18	13	1155	3.68	5	<5	<2	<2	29	.5	<2	<2	61	.34	.078	11	27	.79	163	.07	<3	2.22	.02	.12	<2	22
STANDARD C/AU-S	21	60	36	130	6.9	65	32	1139	4.13	43	16	7	37	50	18.7	19	25	60	.50	.095	40	59	.91	175	.08	23	1.85	.06	.15	10	48

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

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
L9N 4+50E	1	40	17	125	<.3	16	13	2934	3.98	<2	<5	<2	<2	26	.4	<2	<2	63	.33	.178	12	26	.78	247	.06	<3	2.85	.01	.12	<2	11
L9N 5+00E	1	53	15	115	<.3	18	13	846	4.14	10	<5	<2	<2	26	.7	<2	<2	65	.42	.133	11	27	.98	144	.05	<3	2.70	.01	.12	<2	4
L8N 0+50E	1	65	13	114	<.3	15	14	970	4.32	9	<5	<2	2	38	<.2	<2	<2	65	.49	.070	21	28	1.15	116	.05	<3	2.21	.02	.13	<2	5
L8N 1+00E	1	28	7	114	<.3	14	11	624	3.43	5	<5	<2	<2	28	.2	<2	<2	57	.35	.094	9	22	.80	145	.07	3	1.87	.02	.12	<2	2
L8N 1+50E	1	40	11	80	<.3	13	12	634	3.78	8	<5	<2	<2	32	<.2	<2	<2	62	.37	.053	10	24	1.09	83	.06	3	1.74	.01	.10	<2	4
L8N 2+00E	1	29	13	106	<.3	16	10	786	3.25	6	<5	<2	<2	30	<.2	<2	<2	53	.32	.050	10	21	.76	137	.07	3	1.65	.02	.18	<2	4
L8N 2+50E	1	26	10	133	<.3	16	12	853	3.33	<2	<5	<2	<2	30	.4	<2	<2	53	.36	.115	9	25	.75	160	.06	5	2.01	.02	.13	<2	3
L8N 3+00E	2	41	9	125	<.3	17	11	988	3.65	4	<5	<2	<2	44	<.2	<2	<2	54	.60	.052	19	28	.72	127	.07	<3	2.50	.02	.10	<2	3
L8N 3+50E	1	37	14	207	<.3	16	13	1425	3.63	2	<5	<2	<2	38	.6	<2	<2	52	.46	.136	13	26	.71	196	.06	3	2.25	.01	.16	<2	3
L8N 4+00E	2	36	14	139	<.3	19	13	1001	3.98	4	<5	<2	<2	36	.5	<2	2	59	.42	.076	13	29	.87	145	.07	4	2.25	.01	.16	<2	3
L8N 4+50E	1	39	13	97	<.3	21	15	750	4.01	7	<5	<2	2	28	.5	<2	<2	62	.31	.052	15	36	.97	106	.07	3	1.87	.01	.12	<2	4
L8N 5+00E	1	73	11	104	<.3	21	18	994	4.69	5	<5	<2	<2	31	<.2	<2	<2	70	.35	.087	18	40	1.15	131	.06	<3	2.71	.01	.12	<2	2
L7N 5+00W	1	38	13	111	<.3	16	12	494	3.97	5	<5	<2	2	34	.3	<2	<2	67	.39	.065	15	27	.89	142	.10	3	1.92	.01	.12	<2	4
L7N 4+50W	1	30	11	133	<.3	17	12	654	3.57	4	<5	<2	<2	29	.3	<2	2	59	.31	.085	9	25	.82	160	.08	<3	1.85	.01	.10	<2	3
RE L7N 4+50W	1	30	7	133	<.3	18	11	655	3.57	7	<5	<2	<2	28	.2	<2	<2	59	.30	.086	9	24	.82	154	.07	5	1.83	.01	.10	<2	3
L7N 4+00W	1	23	10	169	<.3	15	9	817	3.09	4	<5	<2	<2	26	.2	<2	<2	53	.28	.085	7	21	.66	139	.08	<3	1.54	.02	.10	<2	1
L7N 3+50W	1	20	3	121	<.3	14	11	855	3.25	6	<5	<2	<2	28	.3	<2	2	56	.36	.091	9	27	.73	137	.07	<3	1.59	.01	.14	<2	2
L7N 3+00W	3	287	26	61	<.3	22	36	470	4.76	8	<5	<2	2	52	<.2	<2	<2	95	.61	.142	15	21	.93	62	.07	<3	1.74	.01	.10	<2	44
L7N 2+50W	1	38	11	76	<.3	14	11	494	3.59	6	<5	<2	<2	33	.2	<2	<2	67	.39	.068	10	26	.83	58	.09	<3	1.55	.02	.10	<2	5
L7N 2+00W	1	20	9	109	<.3	14	10	715	3.31	7	<5	<2	<2	36	.3	<2	3	57	.38	.078	9	24	.82	135	.09	<3	1.70	.02	.18	<2	4
L7N 1+50W	1	34	9	124	<.3	15	15	1082	3.87	<2	<5	<2	<2	43	.6	<2	<2	64	.64	.058	13	30	1.07	137	.09	<3	2.10	.02	.27	<2	8
L7N 1+00W	1	25	13	111	<.3	17	15	726	4.03	5	<5	<2	<2	33	.3	<2	<2	67	.43	.052	10	28	1.02	101	.09	<3	1.86	.02	.16	<2	4
L7N 0+50W	1	33	8	152	<.3	12	13	1320	3.74	3	<5	<2	<2	38	<.2	<2	3	60	.54	.082	13	26	.85	196	.06	<3	1.99	.02	.20	<2	3
L7N 0+00	1	48	10	139	<.3	16	14	1087	4.30	6	<5	<2	<2	48	.4	<2	<2	67	.77	.060	17	30	1.03	162	.07	7	2.20	.02	.22	<2	4
L7N 0+50E	1	28	11	134	<.3	18	12	761	3.42	6	<5	<2	<2	31	<.2	<2	<2	53	.38	.084	10	24	.81	158	.06	3	1.88	.02	.13	<2	5
L7N 1+00E	2	35	8	235	<.3	15	14	1465	3.75	7	<5	<2	<2	32	.6	<2	2	56	.42	.171	11	24	.83	246	.05	3	2.45	.02	.13	<2	3
L7N 1+50E	1	34	7	97	<.3	13	12	902	3.60	6	5	<2	<2	36	.6	<2	2	57	.47	.067	14	23	.90	118	.06	4	1.72	.01	.20	<2	4
L7N 2+00E	1	46	11	84	<.3	13	11	681	3.76	8	<5	<2	<2	33	.4	<2	<2	59	.44	.077	14	25	1.02	85	.06	3	1.73	.01	.12	<2	5
L7N 2+50E	1	33	8	190	.3	13	12	1254	2.93	3	<5	<2	<2	72	1.8	<2	<2	44	1.17	.102	15	21	.74	166	.06	3	1.76	.01	.19	<2	2
L7N 3+00E	2	42	11	160	.3	15	11	1128	3.87	<2	<5	<2	<2	67	.6	<2	<2	51	.96	.040	18	27	.71	139	.06	<3	2.63	.02	.10	<2	2
L7N 3+50E	2	58	16	172	<.3	18	13	1034	4.16	7	<5	<2	<2	47	.4	<2	<2	57	.73	.066	17	29	.87	183	.06	4	2.90	.02	.23	<2	2
L7N 4+00E	1	43	14	263	<.3	17	14	1142	4.02	5	<5	<2	<2	34	.7	<2	3	57	.36	.139	14	28	.85	225	.06	4	2.44	.02	.16	<2	2
L7N 4+50E	1	33	9	190	<.3	17	11	1056	3.77	7	<5	<2	<2	32	.6	<2	2	54	.39	.121	11	26	.81	212	.07	6	2.23	.01	.15	<2	2
L7N 5+00E	1	37	12	199	<.3	16	13	1830	3.67	5	<5	<2	<2	31	.6	<2	2	51	.36	.118	13	23	.72	240	.05	<3	2.09	.02	.18	<2	11
STANDARD C/AU-S	21	58	36	129	6.4	67	31	1037	4.04	44	19	8	37	51	17.9	16	23	58	.50	.092	40	62	.91	186	.08	28	1.89	.05	.16	11	49

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

GEOCHEMICAL DATA

	LOCATION NORTH/SOUTH	LOCATION EAST/WEST (NTS UTM GRID)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	6+00	8+00	Soil	20	B	medium brown	Sandy co+al.	20		30	35	15		Forested On slope. Some talus
2		7+50		20	B	medium brown	Colluv.	40		20	25	15		Talus area - andesite
3		7+00		20	B	dark brown	Colluv.	30		30	25	15		Talus - more soil
4		6+50		20	B(?)	Light brown	Modified till + alluv.	10		30	45	15		Grassy slope - 25°W
5		6+00		25	B	Slightly Yellowish brown	Alluv	20		50	20	10		Flatter. 10°W.
6		5+50		30	B/C	Light brown	Till (?)	15		65	15	5		Flat 5°s.
7		5+00		25	B	Rich dark brown	soil	10		65	25	—		Flat. Good 'B' soil.
8		4+50		20	B-C	Medium to choc brown	Till	15		60	20	5		Slope easterly 10°
9		4+00		20	B-C	Light brown	Alluv. Till +	20		65	10	5		Lower B + C - till.
10		3+50		20	B	Medium brown	Alluv.	20		70	10	—		Slope 20° south

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.

Tulameen Project
Oct. 7, 1995.
E. OSTENSOE.

GEOCHEMICAL DATA

	LOCATION NORTH/SOUTH	NTS UTM GRID EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
														In forest
1	6+00	3+00	Soil	25	B	Reddish brown	A	20		25	45	10	—	steep slope E'ly to
2		2+50		30	C (B)	Medium brown	Till	15		70	10	5	Fol.	creek at 2+85W flows SW.
3		2+00		35	C	light brown	clay till	15		75	10	—		W. facing slope 25°
4		1+50		30	C	light brown	clay till	10		80	10	-		d.to
5		1+00		30	C	light brown	clay till	10		80	10	-		10° W slope.
6		0+50		25	B	near black	soil	10		70	15	5		d.to
7		0+00		25	B	brown	modified till	20		60	15	5		below main road
8														
9														
10														

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.
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CLAY-SILT-SAND. Low to moderate to high estimates.

GEOCHEMICAL DATA

October 4, 1995

LOCATION NTS / UTM / GRID RAINBOW

	NORTH ~~SOUTH~~	~~EAST~~ WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	L7+00N	5+00	Soil	35		dark brown	stony alluv.	25		40	25	10		
2		4+50		25	B	grey brown	alluv. + clay	15		65	15	5		
3		4+00		25	B	dark brown	alluv.	15		60	20	5		
4		3+50		25	B/C	med. brown	upper clay till	10		70	15	5		
5		3+00		30	C	dk brown	clay till	5		70	20	5		
6		2+50		25	C	almost black	clay till	0		85	10	5		clay + organics (?)
7		2+00		35	C	light brown	clay till	5		75	20	0		at N side of road
8		1+50		25	C		clay till	5		80	15	0		steep slope to west
9		1+00		25	B/C	dk brown	clay soil	5		75	15	5		flat ground
10		0+50		25	B	med. dark brown	clay	5		80	10	5		

main Lawless Creek Road at 0+25E.

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.

October 4 1995

GEOCHEMICAL DATA

	LOCATION NORTH/~~SOUTH~~	NTS UTM GRID EAST/~~WEST~~	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	L 7+00N	10+00E		25	B(c)	med. brown	clay + till	10		75	15	0		In forest
2		9+50		40	B/C	light grey-br	alluv.	25		45	15	15		Top of slope W to creek
3		9+00		40	B	med. to light brown	alluv.	40		20	20	20		
4		8+50		35	B	dk brown	alluv.	15		65	15	5		Edge of forest at 8+75E
5		8+00		30	B	dk to red brown	alluv.	20		45	20	15		
6		7+50		30	B	dk brown	alluv.	20		40	25	15		
7		7+00		35	B	dk brown	alluv.	10		45	30	15		Road at 6+90 to 6+95E
8		6+50		30	B	med. brown	alluv.	10		50	30	10		
9		6+00		25	B	dark brown	Till + alluv.	10		70	15	5		steep slope to south Road is 15 m south
10		5+50		25	B		alluv.	10		70	15	5		

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.

Tulameen Project
Oct. 7, 1995.
E. Ostensoe

GEOCHEMICAL DATA

	LOCATION NORTH/SOUTH	LOCATION EAST/WEST (NTS UTM GRID)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	7+00	0+05	Soil	50	B/C	Grey	Till	5		85	10	0	—	Forested steep slope W of below main road (10E - 20E)
2		0+50		25	B/C	Grey brown	modified till	10		75	10	5		not as steep.
3		1+00		25	C	Light brown	Till	10		75	15	—		
4		1+50		25	B/C	Light brown	Till	5		75	15	5		Small cr. flows SW at 1+38W
5		2+00		30	B/C	Light grey-brown	Alluv. + till	10		60	20	10		
6		2+50		60	C	Grey	Till	15		65	15	5		Creek flows SW at 2+43W. ~~Tree root~~ special sp.
7		3+00		30	C(B)	Light brown	Alluv. + till	25		50	15	10		Small cr. flows SSW at 2+70W.
8		3+50		20	B	Light reddish brown	Alluv.	20		45	20	15		On S slope of 20°.
9		4+00		30	B/C	Pale brown	Alluv + till	15		55	20	10		Flatter ground
10		4+50		30	B	Medium brown	Alluv.	20		50	20	10		" "

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.

Tulameen Project
Oct. 7, 1995
E. Ostensoe.

GEOCHEMICAL DATA

	LOCATION NORTH	LOCATION SOUTH	NTS UTM GRID EAST	NTS UTM GRID WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	7+00		5+00		Soil	50	B	Medium brown	Alluv.	20		40	30	10	—	
2			5+50			30	B	muddy brown	Alluv.	20		40	30	10	-	Angular frag of white TT.
3			6+00			30	B	light brown	Alluv.	20		30	40	10		Gentle slope.
4			6+50			25	B/C	grey brown	till?	20		55	20	5		Top of steep slope Westerly.
5			7+00			20	C	light brown	till	15		70	10	5		clay till
6			7+50			20	C	v. light brown	till	15		70	15			" "
7			8+00			20	B ?	light brown	alluv.+Co.	20		50	20	10		green chloritized gabbroic andesite buried talus steep slope W
8			8+50			20	C	light brown	alluv.+till	20		60	15	5		outcrops of andesite
9			9+00		Line ends at 8+62W at top of steep bluffs. Harqush creek is											
10			9+50		at about 9+00W. Rock is dark monzonite west of creek											
			10+00		Mostly andesite east of creek, with variations including monzonite 'members'.											

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.

October-4-1995.

GEOCHEMICAL DATA

LOCATION NTS
UTM GRID TRAINBOW

	NORTH ~~SOUTH~~	EAST ~~WEST~~	Survey-type	cm. Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	L 8+00N	0+50	Soil	25	B		alluv.	25		45	20	10		Poor sample
2		1+00		25	C		till	15		60	20	5		fair
3		1+50		30	C		till	15		65	20	-		fair
4		2+00		30	B/C		modified till	10		70	20	-		steep slope Westerly
5		2+50		30	B/C		"	20		70	10	-		flat
6		3+00		25	B		Alluv.	25		40	20	15		gentle slope
7		3+50		25	B/C		Till?	20		65	10	5		fair
8		4+00		20	C		Till	15		75	10	5		
9		4+50		25	B/C		Till	15		75	10	5		
10		5+00		40	C		Till	15		75	10	5		good clay till

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.

October 4, 1995.

GEOCHEMICAL DATA

	LOCATION NORTH/SOUTH	NTS UTM GRID EAST/[illegible]	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	L8+00N	5+50E	Soil	20	C		Colluv+till	20	~	60	10	10	Nicola Vcle.	v. shallow
2		6+00		20	C		Colluv. +till	10		60	20	10	grey fragmental dacite	
3		6+50		30	B	dk brown	soil			70	30			
4		7+00		25	B	dk brown		10		65	20	5		poor
5		7+50		25	B	dk brown	Alluv.	10		80	10			
6		8+00		25	B	dk brown	Alluv.	10		70	20			
7		8+50		35	C	grey brown	Till	5		85	10			forest starts at 8+60E
8		9+00		25	C	grey brown	Till	15		75	5	5		top of slope easterly to creek at 9+15E
9		9+50		25	B	pale brown	Till	10		70	15	5		Top of east side of creek valley
10		10+00		25	B	med. brown	Till	10		75	10	5		Tried to sample B soil on top of till

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.

GEOCHEMICAL DATA

Tulameen Project
Boulder Mtn.

Sampled by: E. Ostenso.

	LOCATION NORTH	LOCATION SOUTH	NTS UTM GRID EAST	NTS UTM GRID WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	9+00		5+00		Soil	20	C	Yellow brown	Till	20		60	10	10	Green epidotic Andesite	In old logged area. Bedrock from 5+40E to 4+50E
2			4+50			10	B	Light brown	Co	30	5	30	20	15	Andesite	V. poor soil. V. shallow.
3			4+00			25	C	Grey brown	Till	20		65	10	5		West slope
4			3+50			40	B/C	Reddish brown	Alluv.	20		65	10	5		Good material.
5			3+00			40	C ?	Light brown	Modified till	20		60	15	5		
6			2+50			50	B/C	Light brown	modified till	15		65	15	5		Fair to good
7			2+00			30	B ?	medium brown	alluv.	20		65	10	5		on W slope to main road
8			1+50			40	C	Light brown	Mod. Till	20		70	5	5		
9			1+00			40	B-C	Light brown	Alluv.	20		70	5	5		
10	N S.		0+50													No sample - wet blue clay

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.

GEOCHEMICAL DATA

Tulameen Project
Boulder Mountain Area

Sampled by: E. Ostensoe
Oct. 2, 1995.

	LOCATION NORTH/SOUTH	NTS UTM GRID EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks In forest.
1	9+00	10+00	Soil	40	B/C	Yellow brown	Alluv.	50		15	20	15	–	Pea gravel.
2		9+50		30	C	Grey	Clay Till	15		60	20	15	–	Creek at 9+30E
3		9+00		25	C	Grey (Yellow)	Clay till	15		75	10			On cut bank - slope (E'ly)
4		8+50		35	C	Light brown	Alluvium + Till	20		70	10			Forest to 8+85E
5		8+00		35	C	medium brown	clay + alluvium	20		60	10	10		Fair material. Rocky.
6		7+50		25	B	Dark brown	Organic in part	5		65	20	10		Flat ground. Normal dist.
7		7+00		20	B	Dark brown	Soil	5		60	25	10		Road at 6+95E
8		6+50		25	B/C	medium brown	clayey till	<5		80	15			Open slope.
9		6+00		25	B/C	Red-brown	Clayey till +	5		75	15	5		Mixed B horizon + till C.
10		5+50		25	B	Reddish brown	soil	5		70	20	5		Good sample. Top of "ridge"

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.

GEOCHEMICAL DATA

	LOCATION NORTH/SOUTH	LOCATION NTS UTM GRID EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	10+00	5+50E	Soil	20	C	Light brown	Rocky Till	25		60	10	5		Juvenile pine trees Gentle slope to east.
2		6+00		20	C	Light brown	Till	20		65	15			Shallow A/B As above. Soil due to fires?
3		6+50		30	B/C	Light reddish brown	Till	5		75	20			clayey. Hard. Gentle (10°) slope E'ly.
4		7+00		20	C	Grey brown	Till	15		70	15			Hard
5		7+50		25	C	Yellowish brown	Rocky Till	20		70	10			Hard. May have minor alluvium
6		8+00		25	C	Yellow brown	Clay Till	15		65	10	10		Almost flat
7		8+50		20	C	Grey	Till	20		65	10	5		Slopes East. Forest edge at
8		9+00		15	C	Grey	Clay Till	<5		90	5	Tr.	Varved type clay	Top of slope to incised creek 8+65E.
9		9+50		40	C	Grey brown	Rocky till	20		70	5	5		at 9+25E Top of slope E of creek.
10		10+00		25	C	Light brown	Rocky + clayey Till	20		70	5	5		

Logged but regeneration growth

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.

GEOCHEMICAL DATA

PROJECT: TULAMEEN
GENERAL LOCATION: Boulder Mountain
SAMPLER: E. Ostensoe
DATE: OCT. 2, 1995
NTS MAP SHEET: 92

	LOCATION NORTH/SOUTH	NTS UTM GRID EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	10+00	0+50E	So.1	30	C	Grey	clay Till	5		70	25	-	-	Logged area.
2		1+00E		35	C	Grey brown	Till	10		70	15	5	-	
3		1+50E		25	C	Grey	Till	10		70	15	5		
4		2+00		30	C	Grey	Till	10		70	15	5		
5		2+50		20	C	Grey-brown	Stoney Till	15		70	10	5		Underlies a Surface layer of alluvium
6		3+00		30	B/C	Reddish brown	modified Till	20		50	20	10		
7		3+50		30	B/C	Pale Yellowish brown	Modified Till	20		60	15	5		Rock otp - frag/ andesite Almost Flat.
8		4+00		20	B/C	Yellow brown	Alluv.+Till	25		50	15	10		Poor material. Flat.
9		4+50		40	C	Yellow brown	clay till	20		60	15	5		Bedrock - epidotic andesite. Good. Flat. Qvlts.
10		5+00		25	B/C	Medium Brown	Till	20		65	15			Flat. Rocky.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn

SAMPLER: E. Ostensoe
DATE: Sept. 15, 1995
NTS MAP SHEET: 92H/10W

LOCATION: NTS / UTM / GRID — NORTH/SOUTH — EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	L 30+00N	15+00	Soil	50	B	Brown	Till	10		50	25	15		In clearing. Fair to good
2		14+50		45	B	med. brown	till-like	15		40	25	20		In forest. Stoney.
3		14+00		40	B	pale brown	till	20		40	25	15		As above.
4		13+50		20	B	brown	talus fines Co	40		5	15	40		Angular frags from bedrock surface. Syenite in outcrop.
5		13+00		20	C	grey	Co	30		15	20	35		V. shallow soil on rock.
6		12+50		45	B	grey brown	Till?	10		50	30	10		clay
7		12+00		30	B	pale brown	GF?	10		50	35	5		Soil - much clay
8		11+50		60	B	light brown	GF?	15		50	30	5		Soil - clay + rock
9		11+00		50	B	light brown		15		40	35	10		Soil
10		10+50	No sample.			In large bog area.								

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder mtn
SAMPLER: E. Ostensoe
DATE: Sept. 15 1995.
NTS MAP SHEET: 92H/10W

LOCATION — NTS / UTM / GRID — NORTH/SOUTH — EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	31+00	10+50	Soil	45	B	Med. brown	Light soil. Till?	5	5	45	35	10		In forest. Good soil.
2		11+00	No sample.			Boggy	ground.							
3		11+50		50	B	Brown	Till clayey soil	5		60	25	10		In forest. FAIR.
4		12+00		40	B	Dark grey	Clay soil		10	65	20	5		" " "
5		12+50		35	B	Brown	Till	5		55	30	10		Slashed area from 12+40W, Edge parallels S side line to 13+00W trends SW'ly.
6		13+00		40	B	Brown	Soil	5		60	25	10	Gdio.	Bedrock shallow.
7		13+50		40	B	Brown	Till/soil	10		50	30	10		
8		14+00		35	B	Red brown	Till	15		50	20	15		Wet ground
9		14+50		40	B	Brown		15		50	25	10		
10		15+00		30	B	Brown	Co/till	20		30	30	20		Spl from bedrock surface.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 15, 1995
NTS MAP SHEET: 92H/10W

LOCATION: NTS / UTM / GRID — NORTH/SOUTH — EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	32+00	15+00	So.l	.50	B	Lt brown	Stoney Till	20		20	30	30	gdio	In slash. Bldrs.
2		14+50		50	B	Med brown	clayey till	20		35	25	20		Gentle slope.
3		14+00		40	B	Lt brown	Gravelly till	25		25	35	15		" "
4		13+50		70	B/C	Greenish brown	Till	20		40	25	15		Flat. Uf road(W-S)
5		13+00		40	B/C	"	"	20		40	25	15		" . Same as 13+50W.
6		12+50		40	?	Grey brown	Clay	5		75	15	5		" . Clay till.
7		12+00		40	B	Med. brown	Silty till	5		50	35	10		"
8		11+50		45	B	Medium brown	Light soil	10		50	30	10		Gentle slope. Till (?)
9		11+00		40	B	Dark brown	Muddy clayey soil	—		60	30	10		Flat.
10		10+50		25	B	Dark grey-br	Dense clay	—		75	20	5		Glacial.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 15, 1995
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	33+00	10+50	Soil	55	B	Brown	Sandy soil	20		15	30	35		Edge of cut over slash block is at 10+85
2		11+00		55	B	med brown	Clayey soil	10		50	30	10	-	In slash. Good soil. May be till.
3		11+50	No sample.	Site	is	a black	muck bog.							Marshy flat
4		12+00	"	60	B	Grey brown	Till	25		25	30	20	gdio	
5		12+50	No sample.	Site	is	on top	of a bare	gdio	knob.					
6		13+00		40	B/C	Grey/ brown	Till	25		30	25	20	gdio	On w slope. Fair to good sample
7		13+50		60	B	med. brown	clay at edge of dry pond	0	10	65	20	5	-	Accumulation now dry. Pond about 20m. dia.
8		14+00		60	B	DK brown	Alluv?	20		15	45	20	gdio	Flat ground.
9		14+50		35	B	Brown	Alluv.?	15	3	22	40	20	gdio	skanny alfld patches epidote. Shallow soil.
10		15+00	Soil	50	B	Brown	Alluv.?	20	5	15	40	20	gdio.	Fair. In slash.

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.

GEOCHEMICAL DATA

PROJECT: TULAMEEN
GENERAL LOCATION: Boulder Mtn.
SAMPLER: Erik Ostensoe
DATE: Sept 14/15 1995.
NTS MAP SHEET: 92H/10W

	LOCATION NORTH/SOUTH	NTS UTM GRID EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	34+00	15+00	Soil	20	B?	Light brown	Rocky colluvium	30	5	10	35	20	Gdio.	In slash. V. dry. V. rocky. Poor sample.
2		14+50		25	B	Med brown	"	30	1	10	40	10	Gdio	As above. Slightly better.
3		14+00		50	B	"	Some alluvium	25	3	7	50	15	"	Fair to good sample. In a sometimes drainage channel.
4		13+50		35	B	Lt to med br	Washed till?	25	1	10	45	20		On slope still in slash.
5		13+00		30	B	Yellow brown	Co/Till	20	1	10	45	20		Flat. Shallow soil on bedro
6		12+50		30	B	Med brown	Al+till	15		15	40	30		Good soil. In forest
7		12+00		50	B	Lt brown	Al+till	20		20	40	20		Good. Slash at 12+25W
8		11+50		40	B	Lt brown	Gravelly till	20		25	30	25		Fair sample of till.
9		11+00		45	B/C	Grey brown	Till	30		35	20	15		Edge of forest at 10+90W. Good till
10		10+50		80	B/C	Med brown	Till	15		55	20	10		In forest. From tree root. Good.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: BOULDER MTN
SAMPLER: E. OSTENSOE
DATE: Sept. 14, 1995
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	35+00			15+00	Soil	35	B	Lt brown	sandy gravelly till	25		10	15	50		At N edge of slash. Poor sample.
2				14+50	"	35	B	Lt brown	sand + silt	20		15	35	20		Rocky area. Fair sp.
3				14+00	"	35	B	Lt brown	Sand silt gravel	15		20	40	25		shallow soil. Good.
4				13+50	Soil	60	B	med br	Podsolic Till	10	2	25	40	15		V. dry. Good.
5				13+00	✓	25	B	Lt br	Rocky	10	2	35	35	20		Top of ridge. Fair.
6				12+50	✓	40	B	med br	"	15	1	35	30	10		" " " "
7				12+00	✓	35	B	Lt br	"	15	1	40	40	5		" " Fair/poor
8				11+50		40	B	Lt br.	"	10		40	40	10		Gentle slope E'ly. Fair.
9				11+00	✓	35	B	Lt br.	Gravelly rocky	20		35	30	15		shallow and rocky.
10				10+50		50	B	Lt br	Cobbles, clay, till	15		40	35	10		Deeper. Flat. Good

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.

GEOCHEMICAL DATA

PROJECT: Talamween
GENERAL LOCATION: Boulder MTN
SAMPLER: E. OSTENSOE
DATE: Sept. 14, 1995
NTS MAP SHEET: 192H/10W

LOCATION: NTS / UTM / GRID — NORTH/SOUTH — EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	36+00	10+50	Soil	45	B	Brown	Till	20		30	30	20		FAIR. Flat terrain.
2		11+00		40	B	Lt brown		15		35	35	15		Shallow light textured silty soil
3		11+50		60	B	Lt brown	Till	15		30	45	10		Fair. Light soil.
4		12+00		50	B	Grey brown		15		35	40	10		As above.
5		12+50		40	B	Brown	Rocky till	20		30	35	15		coarse cobbles.
6		13+00		25	B	Grey brown	V. stoney till	20		30	30	20	foln	290°/70°S chloritic On bedrock-granitic gneiss
7		13+50		30	B	Lt brown	stoney till	20		35	25	20		Fair sample.
8		14+00		65	B	Med. brown	Fine silty till w/ thin rx	10		40	40	10		Fairly good sample.
9		14+50		40	B	Med. brown	Shallow soil on bed rock.	10		35	45	10		Bedrock very close by. Good. Whi gitic
10		15+00		45	B	Brown	T. II	20		35	30	15		Good. Very rocky.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Zoutacr Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 10
NTS MAP SHEET:

LOCATION: NTS / UTM GRID — NORTH (SOUTH) EAST (WEST)

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks (In forest)
1	37+00	10+00	Soil	90	B	Med. brown	Till	20		50	25	05		Good sample
2		9+50		55	B	med. brown	Till	10	3	35	35	20		Good sample
3		9+00		30	B	med brown	Till	20		50	20	10		Glacial.
4		8+50		25	C	grey brown	till	15		60	20	5		Shallow. Hard clay.
5		8+00		25	B	med. brown	modified till	15		50	25	10	F. gr. pyrole.	Fair.
6		7+50		35	B	dark brown	"	10		60	25	5		Fair
7		7+00		30	B	dark brown	"	5		70	20	5		Good. V. clay rich.
8		6+50		30	B	dark brown	alluvium	5	5	50	25	20		small creek at 6+45W flows 120°. Fair sample.
9		6+00		40	B	reddish brown	"	10		55	25	10		Good soil.
10		5+50		25	B/C	light brown	till	10		65	15	10		clay rich sample
		5+00		30	B	dark brown	alluvium	5		65	25	5		Good sample.

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.

GEOCHEMICAL DATA

PROJECT: TULAMEEN
GENERAL LOCATION: BOULDER MTN
SAMPLER: E. Ostensoe
DATE: Sept. 19, 1995
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 (In forest)
1	L 37 N	15+00	Soil	60	B	Lt brown	Alluv.	25		15	40	20		Washed Till ?
2		14+50		40	B	Brown	Till	25		20	30	25		stoney Till.
3		14+00		40	B	Pale yellow-brown	Till (A?)	20		35	25	20		Fair. Gentle slope.
4		13+50		45	B	Brown	A	15		20	35	20		Fair
5		13+00		50	B	Grey brown	A	10	5	60	20	5		Fair to good
6		12+50		40	B	Brown	A	5		65	20	5		Fair
7		12+00		50	B	Grey brown	A		5	70	20	5		Poor
8		11+50		50	B	Light brown	Till	20		60	15	5		Sidehill.
9		11+00		50	B	Med brown	Till/A	20		50	20	10		Sidehill. Fair+.
10		10+50		60	B	Light brown	Till/A	20		40	30	10		Sidehill. Good.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 1995
NTS MAP SHEET: 92 H / 10 W

LOCATION: NTS / UTM / GRID — NORTH/SOUTH — EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	38+00	5+00	Soil	30	B	med. brown	Modified Till	15		65	15	5		Good sample. In forest.
2		5+50		30	B	Light brown	"	10		70	15	5		Good
3		6+00		35	B	Light brown	"	15		70	15	-		Fair.
4		6+50		40	B	dark brown	alluvium	5		60	30	5		Dark soil. Near a dry stream (small)
5		7+00		45	B	reddish brown	mod. till	10		60	25	5		Fair to good.
6		7+50		25	B	dark brown	Colluvium	5		60	30	5		Bedrock close by - fs porphyry andesite
7		8+00		25	B	medium brown	Modified till	10		60	25	5		Fair to good.
8		8+50		30	B	dark brown	"	5		65	25	5		Fair.
9		9+00		40	B?	V. dk brown	Alluv. + clay	5	3?	70	25	-		V. dark, loamy
10		9+50		35	B	dark brown	clay	5		70	25			From tree root. Fair spl.

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.

GEOCHEMICAL DATA

PROJECT: Tatamagouche
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 19, 1995
NTS MAP SHEET: 92H/10W

LOCATION: NTS / UTM / GRID — NORTH SOUTH — EAST WEST

	NORTH SOUTH	EAST WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks (In forest.)
1	L38+00	10+00	Soil	55	B	Light brown	Clay till	10		70	20	-		
2		10+50		70	B	Light brown	clay till	20		60	15	5		Outcrop 10 m. north
3		11+00		50	B	Light brown	clay till	15		70	10	5		
4		11+50		45	B	Light brown	Rocky till (?)	20		40	25	15		
5		12+00		35	B	Yellow brown	? Colluvium	25		15	45	15		Flat. V. rocky ground.
6		12+50		40	B	Brown	Co ?	20		20	40	10		Flat. Granite or syenit.
7		13+00		50	B/C?	Grey brown	Alluvium?	20		60	10	10		Under 45cm black loam at 12+40
8		13+50		35	B	Med. brown	Till? Al?	25		55	10	10		Rocky. Possibly Co.! (swamp)
9		14+00		60	B	med. brown	Till?	20		65	10	5		Rocky.
10		14+50		50	B	Light brown	Till	20		65	10	5		Slope W'ly at 10°
		15+00		60	B	Light brown	Till	15		70	10	5		

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 19, 1995
NTS MAP SHEET: 1 92H/10W

LOCATION — NTS / UTM / GRID — NORTH (SOUTH) — EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks (All in forest.)
1	L39+00	10+00	Soil	60	B	Grey brown	Clay till	10		65	15	10		
2		10+50		55	B	Lt brown	Alluvial	25		15	45	15		Fair
3		11+00		70	B	Light brown	Alluvial	20		20	50	10	Syenite	Good sample.
4		11+50	No sample.										Syenite.	Skarny alteration. Bare outcrop.
5		12+00		20	B	Grey brown	Alluvial	10	5	50	30	5	Syenite	Poor soil development
6		12+50		45	B	Brown	Alluv.	30		35	15	20		Clayey gravelly till?
7		13+00		55	B	Brown	Alluv.	20		15	40	30	Syenite	
8		13+50		50	B	Lt brown	Till	20		30	30	20		
9		14+00		45	B	Lt brown	Till	20		25	35	20		otp 20m N
10		14+50		40	B	Lt brown	Alluv.	20		30	35	10		Good.
		15+00		65	B	Lt brown	Till	20		40	25	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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 24, 1995
NTS MAP SHEET: 92H/10W

LOCATION: NTS / UTM / GRID — NORTH/SOUTH — EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks (In forest.)
1	39+00	9+50	Soil	35	C	Grey brown	Till	20		55	20	5		Fair.
2		9+00		40	B	Reddish brown	Alluv./till	20		50	25	5		
3		8+50		40	B	Medium brown	Alluv/till	10		50	35	5		Modified till? Clayey. Good sample.
4		8+00		50	B/C	Grey brown	Alluvium	15		50	30	5		Wet. Deep 'A' layer-loam.
5		7+50		30	B	Light brown	Alluv.	15		65	20	-		
6		7+00		35	C	Light brown	Till	15		65	15	5		Stoney. Hard
7		6+50		35	B/C	Light greybrown	modified till	15		60	15	10		Fair sample.
8		6+00		20	B/C	med brown	Till	20		60	15	5	Green andesite at 6+25W	Fair. Flattish terrain
9		5+50		35	B	Yellowy brown	Alluv./till	15		60	20	5		
10		5+00		30	B	Light brown	Alluv./till	10		70	15	5-		Flat ground. Fair.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 24, 1995.
NTS MAP SHEET: 92H/10W

LOCATION — NTS / UTM / GRID — NORTH SOUTH / EAST WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	40+00	10+00	Soil	50	B	medium brown	silty alluvium	10		40	40	10	Andesite	Good sample. Andesite etc
2		10+50		50	B	dark brown	soil		5	60	35			Unusual type of sample to SE From a drainage channel.
3		11+00		10-15	B/c	reddish brown	Colluvium	45		20	25	10		From bedrock surface.
4		11+50		40	B	Yellow brown	Till	20		55	20	5		Swamp to North of line
5		12+00		20	B	Light brown	Till	20		55	25			Rocky. Flat
6		12+50		30	B	Yellow brown	Till ?	15		60	20	5	Andesite	
7		13+00		15	B/c	Light brown	Colluvium	30		45	20	5	Looks xlline	V. shallow, poor soils.
8		13+50		25	B/c	Light brown	Colluvium	20		60	15	5	Rock may be transitional from andesite to east to diorite/ g'diorite.	
9		14+00		15	B/c	Light brown	Colluvium	30		55	15			V. rocky. Poor.
10		14+50		30	B	Yellow brown	Colluvium	25		60	15		Andesite	Rocky. Fair quality slopes west 20°.
		15+00		20	B (?)	Light brown	mod. fied till	25		65	10		Andesite	Rocky, gentle slope W.

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 24, 1995
NTS MAP SHEET: 92H/10W

LOCATION: NTS / UTM / (GRID): NORTH/SOUTH · EAST/WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	40+00	5+00	Soil	40	B	Light brown	Alluv.	20		65	15			Gentle slope. Good sample
2		5+50		32	B	Light yellow brown	Modi till	15		65	15	5		Fair.
3		6+00		35	B/C	yellow brown	Alluvium	20		60	15	5	Green andesite	Bedrock outcrops 5m N.
4		6+50		40	C	Light brown	Alluv/till	15		60	15	10		Flat.
5		7+00		35	C(B)	Light brown	Alluv/till	10		65	20	5		Gentle slope
6		7+50		35	C	Light brown	Alluv./till	10		65	20	5		Gentle slope. Fair sample.
7		8+00		45	C	Light brown	Mod. till	15		65	20	-		Outcrops nearby.
8		8+50		45	C	Light brown	Till	20		60	20		Green andesite 8+25 to 8+40W	Good sample.
9		9+00		25	C	Grey brown	Clayey till	25		70	5	-	Green andesite	Bedrock at v. shallow depth. Green andesite
10		9+50		35	C	Light brown	Till	20		60	15	5		9+00W to 9+30W and to S of line. Also N of 9+50W

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MATERIAL: T Till; Co. Colluvium. A. Alluvium. F. Fluvial. GF. Glaciofluvial. O. Organic.
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GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

GEOCHEMICAL DATA

PROJECT: TULAMEEN
GENERAL LOCATION: Boulder Mtn
SAMPLER: E. Ostensoe
DATE: Sept. 20, 1995
NTS MAP SHEET: 92H/10W

LOCATION: NTS / UTM / GRID — NORTH SOUTH / EAST WEST

	NORTH/SOUTH	EAST/WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	A1+00	5+00	Soil	30	B	Light brown	clayey till	10		65	20	5		In forest.
2		5+50		45	B	"	"	15		65	20			
3		6+00		35	B	"	"	10		70	20			Flat
4		6+50		30	B	"	"	10		70	20			Slope E'ly
5		7+00		37	B	"	Gravelly till	15		70	15			Flat. Green volc. at 6+75W
6		7+50		40	B	"	clay till	10		75	15			Gentle slope Easterly.
7		8+00		35	B	Partly rusty	Till? (A?)	10		75	10	5		Flat. Near small swamp
8		8+50		45	B?	Dark brown	Till?	5		75	15			Rich soil. Derived from till
9		9+00		50	B	Light brown	Till	15		65	15	5		Green porphyritic andesite Bedrock is shallow
10		9+50		45	B	Light brown	Till	20		65	15			" " "

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.

GEOCHEMICAL DATA

PROJECT [illegible]
GENERAL LOCATION [illegible]
SAMPLER [illegible]
DATE [illegible] 20, [illegible]
NTS MAP SHEET [illegible]

LOCATION — NTS / UTM / GRID

	NORTH / SOUTH	EAST / WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	41+00	10+00	Soil	40	B	Light brown	Co	20		65	10	5	Green andesite	Bedrock v. shallow.
2		10+50		30	B	Medium brown	Till	10		70	15	5	"	" "
3		11+00		30	B	"	"	15		65	15	5		
4		11+50		30	B	Light brown	Co	20		65	15			
5		12+00		35	B	Light brown	Co+till	25		50	15	10		
6		12+50		40	B	Light to yellow brown	Co+till	25		50	20	5		
7		13+00		30	B	"	Co+till	25		45	25	5	Syenite	Bedrock v. shallow
8		13+50		30	B	"	"	20		50	30			" " "
9		14+00		35	B	Yellow brown	Co	25		50	20	5		Angular, talus-like V. rocky, shallow bedrock.
10		14+50		50	B	Dark grey brown	Clay Till	10		45	30	15		Deep dark clayey soil with rocks
		15+00		30	B	Yellow brown	Co	20		45	35			V. stoney. Blocky outcrops.

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

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Boulder Mtn.
SAMPLER: E. Ostensoe
DATE: Sept. 20, 1995
NTS MAP SHEET: 92 H/10W

LOCATION — NTS / UTM / GRID — NORTH SOUTH — EAST WEST

	NORTH SOUTH	EAST WEST	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	42+00	10+00	Soil	25	B	Light brown	Co+Soil	20	5	40	30	5	Green porphyry	On top of a ridge. V. little soil development
2		10+50		50	B	Light brown	Soil + Gravel	20		35	35	10		East slope
3		11+00		55	B	Yellow brown	Co+A	25		35	30	10	Green porphyry	At top of mtn.
4		11+50		30	B	Light brown	Fine sal with rock frags	25		50	20	5		otp nearby.
5		12+00		25	B	Light brown	clay + Co. frags	25		60	15			
6		12+50		45	B	Light brown	Gravel + clay	20		60	15	5		(Co?)
7		13+00		25	B	Light brown	clay till (+Co)	30		60	10			v. rocky. shallow.
8		13+50		30	B	Light brown	Co + till	30		60	10			V. rocky.
9		14+00		25	B	Light brown	Co	30		60	10			Much angular fragments of bedrock
10		14+50		45	B	medium brown	Alluv?	20		60	15	5		Rocky, pebbly. Till?
		15+00		50	B	Brown	Till	10		65	20	5		

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.

GEOCHEMICAL DATA

PROJECT: Tulameen
GENERAL LOCATION: Bonanza [illegible]
SAMPLER: E. Oster [illegible]
DATE: [illegible] 20, [illegible]
NTS MAP SHEET: [illegible] 1

LOCATION: NTS / UTM / GRID — NORTH (SOUTH) EAST (WEST)

	NORTH (SOUTH)	EAST (WEST)	Survey-type	Depth	Horizon	Colour	Material	% Gravel	% Organic	Clay	Silt	Sand	Bedrock	Remarks
1	42+00	5+00	Soil	30	B	med brown	Till?	10		65	25			Gentle slope. Rocky.
2		5+50		40	B	med brown	Till?	10		65	20	5		Flat ground.
3		6+00		40	B	Med. brown	Till?	15		65	20			Slope 10° Easterly.
4		6+50		40	B	Med brown	Till?	15		60	25			Flat ground. Good spl.
5		7+00		40	B	Med brown	Till?	15		60	25			Gentle (<10°) slope to E. Light clayey soil.
6		7+50		30	B	Med brown	Till?	10		60	30	-		Green volcanics in outcrops at 7+85W to 7+95W
7		8+00		32	B	med brown	Alluv.?	10		45	25	20		Flat. V. rocky
8		8+50		40	B	med brown	Co+?	15		50	20	15		Flatter ground. NNE linear feature at 8+
9		9+00		35	B	Light Brown	Co	20		25	35	15		slope 20° E → 8+75W Gravel + dirt
10		9+50		40	B	Brown	Colluvium	25		25	30	20	Volc. chlorit.	High ridge FALL.

In forest.

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.
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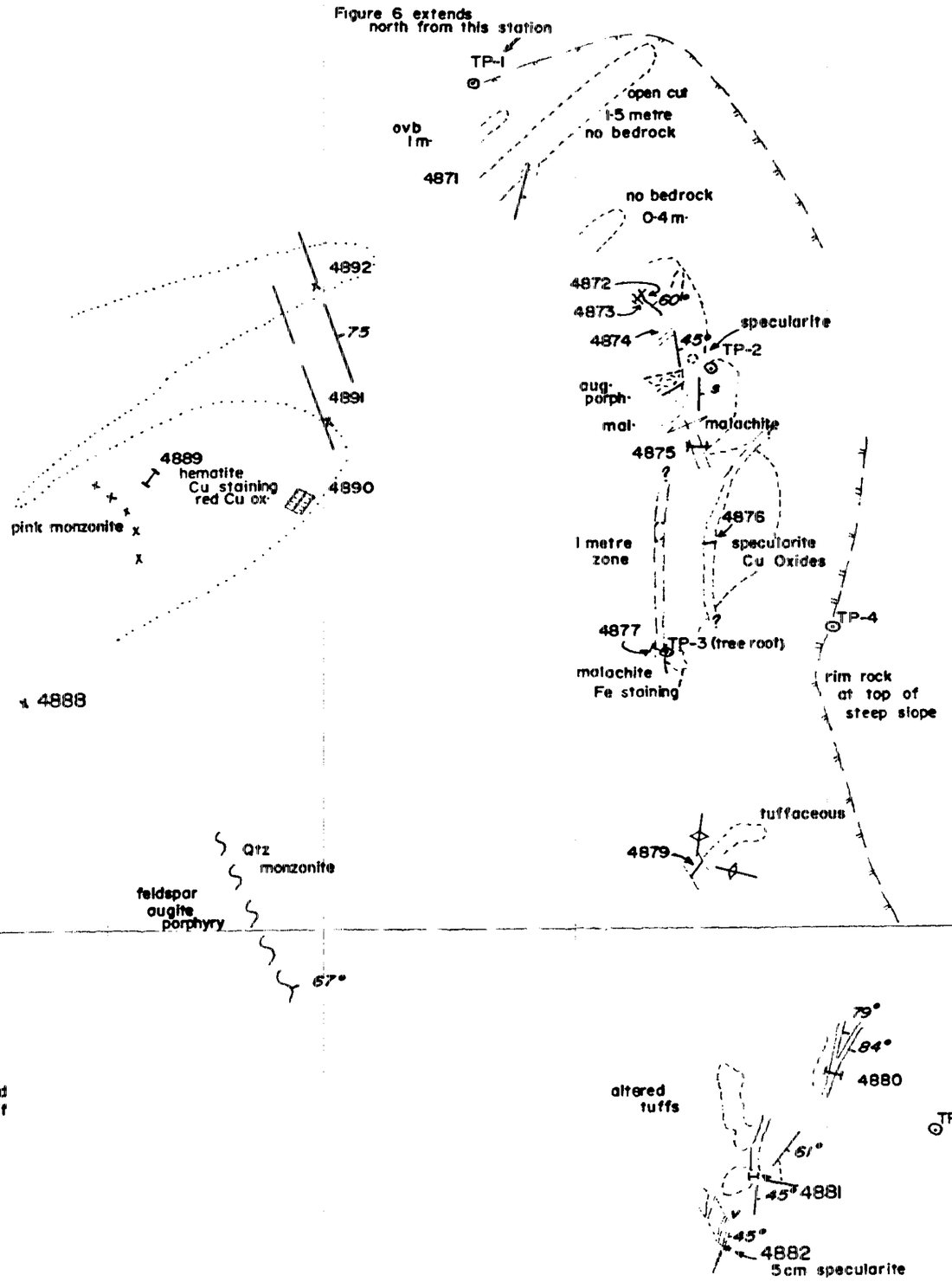
ORGANICS: Visual estimate of organic content.
GRAVEL: Estimate of Gravel sized fragments.
CLAY-SILT-SAND: Low to moderate to high estimates.

Sample No.	Width (cm)	Gold (ppb)	Copper (ppm)
4871	10	2020	22041
4872	56	7130	4380
4873	50	220	779
4874	85	4360	4089
4875	100	2370	8036
4876	60	2050	5529
4877	97	4340	7688
4879	110	8110	3559
4880	15	3030	3409
4881	40	2830	10490
4882	grab	580	4164
4888	grab	880	3484
4889	100	2190	6265
4890	panel 1x3x4m	870	5114
4891	100	3020	6910
4892	45	520	3981
4893	40	28	23530



(1)

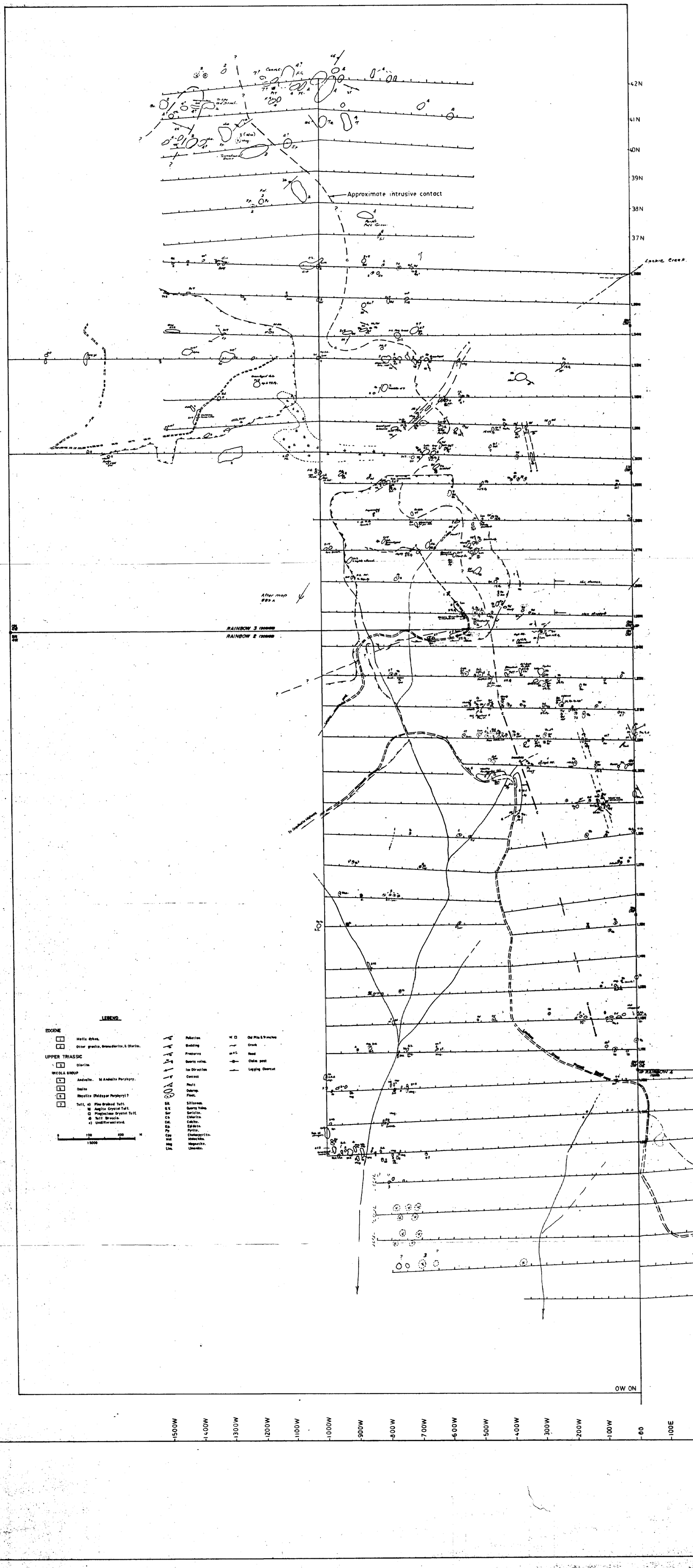
HAT PROJECT

ATLIN M.D., B.C.

Sampling-Hoey Area

E. Ostensoe

Figure 5. | July 1995



LEGEND

EOCENE
- Mafic dykes.
- Otter granite, Granodiorite, & Diorite.

UPPER TRIASSIC
- Diorite.

NICOLA GROUP
- Andesite. b) Andesite Porphyry.
- Dacite
- Rhyolite (Feldspar Porphyry)?
- Tuff, a) Fine Grained Tuff. b) Augite Crystal Tuff. c) Plagioclase Crystal Tuff. d) Tuff Breccia. e) Undifferentiated.

Scale 0 100 200 M, 1:5000

Foliation; Bedding; Fractures; Quartz veins; Ice Direction; Contact; Fault; Outcrop; Float; Siliceous; Quartz Veins; Sericite; Chlorite; Calcite; Epidote; Pyrite; Chalcopyrite; Malachite; Magnetite; Limonite.

Old Pits & Trenches; Creek; Road; Claim post; Logging Clearcut

RAINBOW PROJECT
SIMILKAMEEN MINING DIVISION
TULAMEEN, B.C.

GEOLOGY

Scale 1:5000 November, 1995
Map 92H 10W Figure 5

L42N
L41N
L40N
L39N
L38N
L37N

Louise Creek

After Map 869A

RAINBOW 3 (SOUTH)

RAINBOW 2 (SOUTH)

BLUFFS

Louise Creek

10 N
9N
8N
7N
6N
5N
4N
3N
To Tulameen

0N, 4W

5+00 W | 4+00W | 3+00W | 2+00W | 1+00W | 0+00 | 1+00E | 2+00E | 3+00E | 4+00E | 5+00E | 6+00E | 7+00E | 8+00E | 9+00E | 10+00E

LEGEND

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

ppb gold / 23 / 123(135) — PPM Copper; A, B-Second sample same site; Duplicate sample

△ 91621 Lithogeochemical Sample.

RAINBOW PROJECT

SIMILKAMEEN MINING DIVISION
TULAMEEN, B.C.

GEOCHEMICAL SURVEY

Scale: 1:5000 Revised, November, 1995.
Map 92H-10W Figure 6

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