

83-#647 - # 11536

1/85

GEOLOGICAL, GEOCHEMICAL, AND GEOPHYSICAL REPORT

on the

WANETA 1 - 10 Mineral Claims

N.T.S. 82F/3 and 82F/4

Latitude 49°02' North

Longitude 117°30' West

Nelson Mining Division

British Columbia

for

REX SILVER MINES LTD.

Calgary, Alberta

by

C. H. Aussant, P.Geol.

TAIGA CONSULTANTS LTD.

#100, 1300 - 8th Street S.W.

Calgary, Alberta T2R 1B2

OCTOBER 1983

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,536

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CERTIFICATE

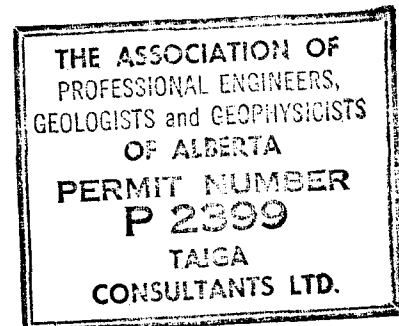
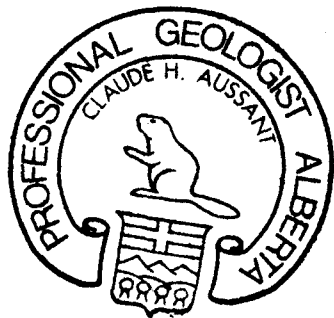
I, the undersigned, of the City of Calgary in the Province of Alberta, do hereby certify that:

1. I am a consulting Geologist with the firm of Taiga Consultants Ltd. with offices at #100, 1300 - 8th St. S.W., Calgary, Alberta.
2. I am a graduate of the University of Calgary (B.Sc. Geology, 1976).
3. I have practised my profession for seven years since graduation.
4. I am a member in good standing since 1979 of the Association of Professional Engineers, Geologists and Geophysicists of Alberta.
5. I have personally worked on the Waneta 1 - 10 mineral claims, and supervised exploration work carried out thereon.

Respectfully submitted,

October 1983


Claude H. Aussant, B.Sc., P.Geol.



INTRODUCTION

During the period July 22 to August 4, 1983, a total of 30 man days of exploration work were carried out at the Waneta 1-10 mineral claims, located along Pend D'Oreille River in southeastern British Columbia. This work consisted of reconnaissance geological mapping, prospecting, stream sediment and rock sampling, grid-controlled soil geochemical sampling, and ground VLF-EM surveying.

This exploration approach was intended to confirm the underlying geology of the property, to identify areas containing potential replacement and disseminated gold mineralization, and to examine in greater detail any such potentially mineralized areas.

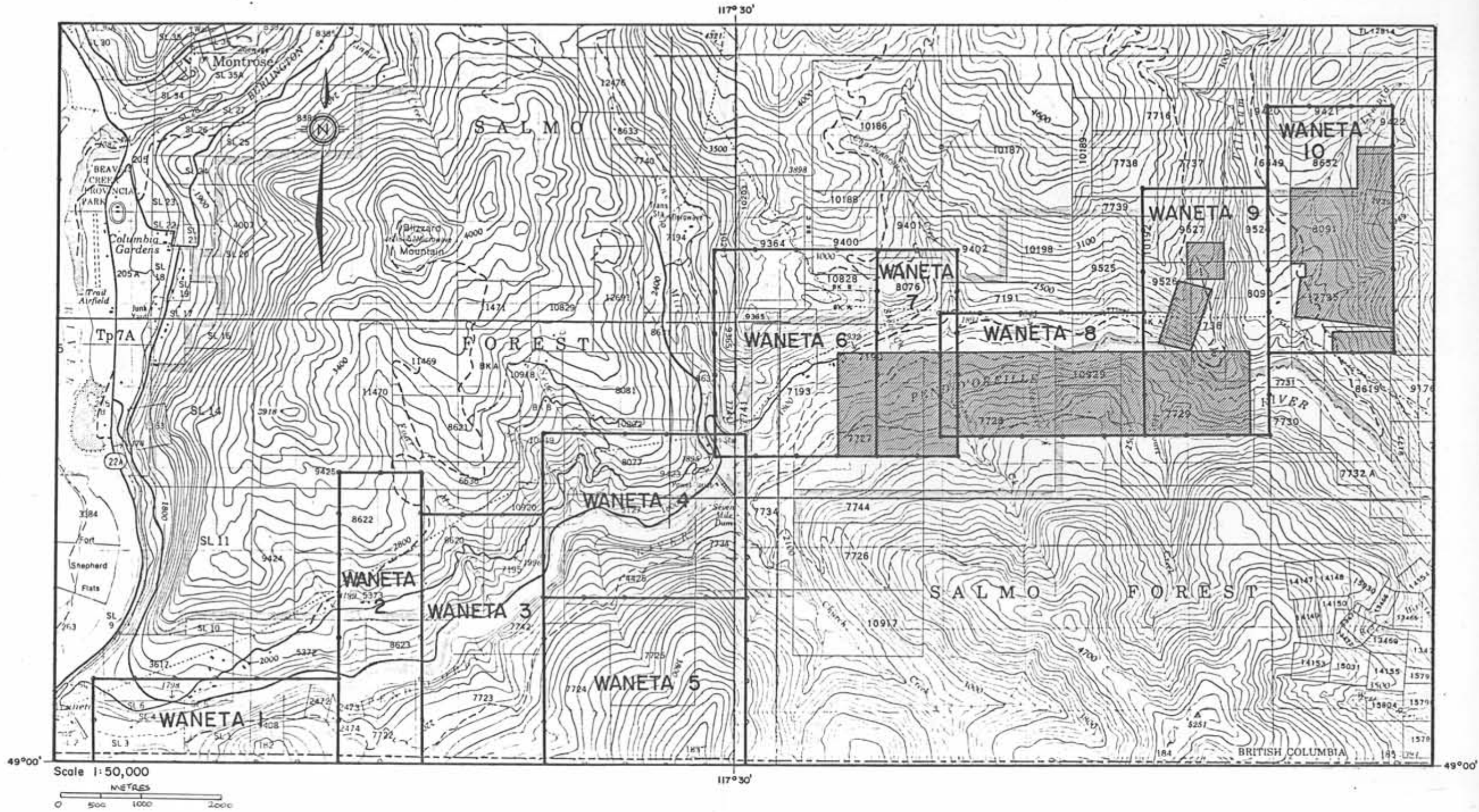
Location and Access

The location and access to the property are illustrated on Figure 1. The claim group is situated in southern British Columbia along Pend D'Oreille River, 12 km southeast of Trail, B.C. The property extends from the Waneta Dam and the international boundary, east and north along Pend D'Oreille River to Limpid Creek.

The property is accessible by B.C. Highway 22A (south from Montrose) and the Seven-Mile Dam all-weather road which crosses the Waneta 1-4 claims. The Seven-Mile Dam road is extended by a gravel logging road which leads to Nelway, and traverses the Waneta 6-9 claims. Numerous secondary roads, old logging roads, and powerline trails traverse the remainder of the property.

Property and Ownership

The property consists of ten mineral claims, the Waneta 1 to 10, all staked under the modified grid system and registered in the name of Rex Silver Mines Ltd. The claims are indicated on Figure 1.




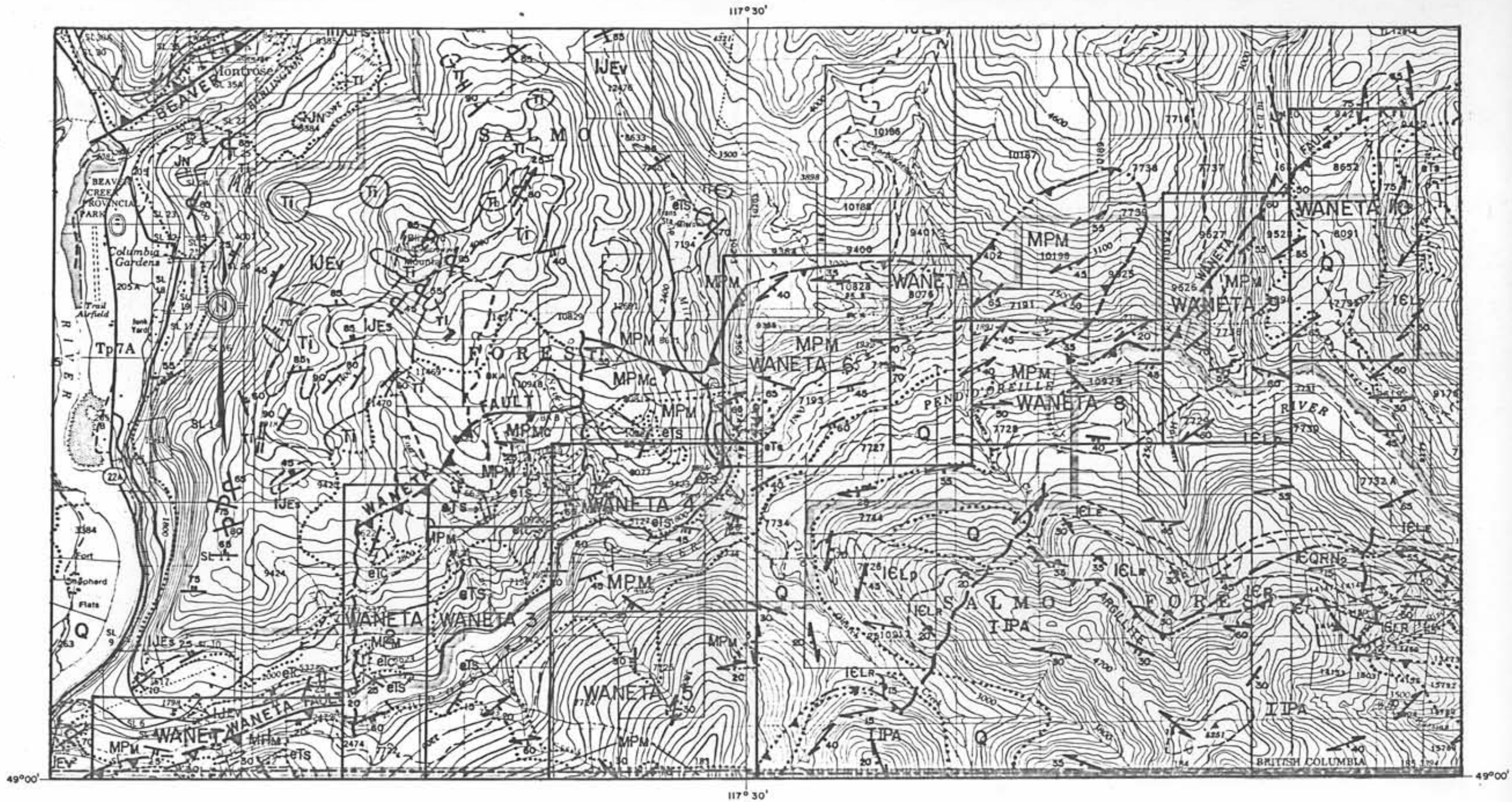

 Areas excluded from Waneta Claims due to pre-existing mineral claims in good standing

Figure 1
 PROPERTY LOCATION MAP
 WANETA 1 - 10 CLAIMS



Q	Quaternary alluvium and drift
eTc	Coryell Intrusions; syenite, qtz. monzonite, minor granite, pulaskite, biotite-augite monz.
eTs	Sheppard Intrusions; granite, syenite
Ti	minor intrusions; mainly hornblende-feldspar and hornblende porphyries
KTi	smaller stocks and minor intrusions; mainly "two-mica" (biotite-muscovite) granites
JN	Nelson Batholith: granite, granodiorite, quartz diorite, quartz monzonite

IJEv	Elise Fm.; flow breccia, massive andesites and basalts, agglomerate, tuff, breccia, siltstone; IJE: black laminated siltstone
MPM	Milford Group: arg., quartzite, chert, ls.; MPMc: ls
IIPA	Active Fm.: black argillite and slate
ICLp	Laib Fm.: Laib Phyllite: phyllite, argillite, micaceous quartzite, schist; ICL: Emerald Member: phyllite, argillite; ICLR: Reeves Member: ls, dol.
ICR	Reno Fm.; quartzite, argillite
IQRN2	Upper Nevada; quartzite

Figure 2
REGIONAL GEOLOGY MAP

<u>Claim Name</u>	<u>Size</u>	<u>No. of Units</u>	<u>Record Number</u>	<u>Date of Record</u>
Waneta 1	2 x 6	12	3134	
Waneta 2	2 x 7	14	3139	
Waneta 3	3 x 6	18	3135	
Waneta 4	4 x 5	20	3140	
Waneta 5	4 x 5	20	3141	May 6, 1983
Waneta 6	4 x 5	20	3136	
Waneta 7	2 x 5	10	3142	
Waneta 8	3 x 5	15	3137	
Waneta 9	6 x 3	18	3143	
Waneta 10	3 x 6	18	3138	

165 units
(4,125 hectares)

The Waneta 6, 7, 8, 9, and 10 mineral claims overlap several mineral claims which are currently in good standing. These areas have been excluded from the Waneta claims, and are depicted on Figure 1 by hatchured pattern.

Physiography and Glaciation

The claim group is located within the Bonnington Range of the Selkirk Mountains region of the Cassiar-Columbia Mountains physiographic province.

The southern part of the range, where the claims are situated, is underlain by volcanic rocks and is characterized by heavily forested mountains of relatively subdued relief, in contrast to the severe topography of areas to the north, underlain predominantly by granitic rocks.

Evidence of peneplanation can be seen throughout the region and it would appear that at least two stages occurred.

The topography of the area has been considerably influenced by Cordilleran glaciation with evidence of glaciation in the form of transported material found everywhere. The movement of the glacial ice has been recorded by many measurements of glacial striae and a few of roche moutonnée. In all cases, the direction of ice movement was southerly.

Much of the claim group is overburden covered overlying wooded rounded hillslopes cut by a number of deep V-shaped stream valleys. Numerous small outcrops occur throughout the property north of Pend D'Oreille River with road cuts providing excellent bedrock exposures but those portions of the property which lie south of the river are more thickly wooded, with outcrops practically non-existent. Elevations on the claims vary from 518 m (1700') along Pend D'Oreille River, to 1340 m (4400') on the hills.

The climate of the district is pleasant with moderate winters and fairly hot summers. Snow has usually almost entirely disappeared by the first of June any does not interfere with prospecting until late October.

Land suited to agriculture is confined to small areas in the valley lowlands scattered throughout the property.

REGIONAL GEOLOGY

In the area, a belt of Carboniferous rocks forms a zone of discontinuous overthrust plates which rest mainly upon the Lower Jurassic andesitic Elise Formation (J_{Ev}) of the Rosslund Group 'arc type' volcanic rocks. The Carboniferous rocks are considered to be correlatable with the Mississippian-Pennsylvanian Milford Group (MP_M) and consist of black argillite, calcareous argillite, slate, phyllite, and grey-weathering black limestone. A thick bed of massive white to light blue-grey limestone (MP_{Mc}) is also present in the section and forms a distinctive marker horizon. The main trace of the thrust is offset, in a left-lateral sense, at several places by Tertiary faulting. Numerous small granitic plugs and cupolas(?) of Tertiary age intrude both the lower and upper thrust plates.

The regional geology is indicated on Figure 2. Table I summarizes the geological stratigraphy of the area.

Table 1. Table of Formations

FRA	PERIOD OR EPOCH	GROUP OR FORMATION	MAP SYMBOL	LITHOLOGY	THICKNESS (metres)	
CENOZOIC	QUATERNARY			Till, sand, gravel, silt		
	Eocene Middle	Coryell Intrusions	eTc	Syenite, quartz monzonite; minor granite, palaskite, and biotite-augite monzonite		
				INTRUSIVE CONTACT		
		Marron Formation	EM	Augite and/or hornblende and/or biotite andesite; trachyandesite	900+	
				RELATIONSHIP UNKNOWN, BUT MAY BE FEEDER TO MARRON ANDESITE FLOWS		
		Map-unit Ti	Ti	Hornblende-feldspar and hornblende porphyrys		
				CONFORMABLE(?) CONTACT WITH MARRON FORMATION		
	Kettle River Formation	EKR	Tuffaceous arkose	100+		
MESOZOIC	CRETACEOUS Upper			RELATIONSHIP UNKNOWN; UNCONFORMABLE ON HALL FORMATION		
		Sophie Mountain Formation	uKsm	Coarse conglomerate with minor interbeds of siltstone and arenaceous argillite	100+	
	JURASSIC AND/ OR CRETACEOUS				RELATIONSHIP UNKNOWN; UNCONFORMABLE ON ELISE FORMATION	
		Map-unit Kqp	Kqp	Quartz-feldspar porphyry		
				RELATIONSHIP UNKNOWN; INTRUSIVE INTO ULTRAMAFIC INTRUSIONS		
		Nelson Intrusions	JN	Granodiorite; minor quartz diorite, and diorite		
				RELATIONSHIP CONTRADICTIONARY; SEEMS TO BE INTRUSIVE		
		Rossland Monzonite	JNmz	Biotite-hornblende-augite monzonite; mainly medium grained		
	JURASSIC Lower and Middle				INTRUSIVE RELATIONSHIP	
		Rossland Group	Hall Formation	ImJhs	Black, soft carbonaceous shale, buff to brown argillaceous sandstone; some siltstone and minor greywacke	300+
					CONFORMABLE(?) CONTACT	
			Elise Formation	IJev	Flow breccia, massive andesites and basalts, agglomerate, tuff, breccia; black, laminated siltstone (IJes); augite porphyry (IJei)	2,130-3,000
				CONFORMABLE(?) AND INTERDIGITATED CONTACT; UNCONFORMABLE ON MOUNT ROBERTS FORMATION		
	Archibald Formation	RJAY	Black, hard, brittle, laminated siltstone, commonly tuffaceous, and arenaceous argillite	900		
PALEOZOIC	PENNSYLVANIAN(?)			INTRUSIVE RELATIONSHIP WITH ROSSLAND GROUP, BUT MAY BE COLD INTRUSION		
		Ultramafic Intrusions	MPum	Serpentinite; some dunite		
				INTRUSIVE CONTACT		
		Mount Roberts Formation	MPMR	Black siltstone and argillaceous quartzite, slate, greywacke, chert, pebble conglomerate, Java flows; limestone (Pmrl); paragneiss (Pmrgn)	1,200-1,500	
	CARBONIFEROUS(?)			RELATIONSHIP UNKNOWN		
		Map unit Cs	MPM	Black argillite, slate, phyllite, minor chert and greenstone; grey to black limestone (Csl)	2,100	
	AGE UNKNOWN			RELATIONSHIP UNKNOWN		
		Gneiss in Bonnington Pluton	ATRsm	Layered granitoid gneiss and amphibolite		
				RELATIONSHIP UNKNOWN		
		Porphyritic leucogranitic rocks	ATRsm lqd	Porphyritic leucogranite		
			RELATIONSHIP UNKNOWN			
Castlegar Gneiss		ATRsm	Augen gneiss			
			GRADATIONAL CONTACT			
	Trail Gneiss	ATRsm	Amphibolite and grey biotite gneiss, hornblende gneiss, mica schist, aplite, and pegmatite; mylonitized gneiss (pCtgnm)	1,200		

BASE NOT EXPOSED

PROPERTY GEOLOGY

The property geology is illustrated on Figure 2 and on the accompanying four geology and traverse maps depicting the work completed on the property. A brief review of the underlying geology follows.

Carboniferous rocks (Milford Group equivalents) underlie the Waneta 1 claim south of Pend D'Oreille River in apparent thrust contact with underlying andesites of the Elise Formation which is exposed north of Pend D'Oreille River. Numerous north-south shears transect these andesites. The main trace of the Waneta thrust fault, which here coincides approximately with the course of Pend D'Oreille River, is offset in a left lateral sense along the western edge of the Waneta 2 claim.

The Waneta 2 to 7 claims, most of the Waneta 8 claim, and the central portion of the Waneta 9 claim are underlain by black argillites (interbedded with chert, quartzite, and phyllite), and white to light blue-grey limestone of Carboniferous age. These have been intruded by numerous granitic plugs and dykes of the Coryell and Sheppard intrusives.

The area south of Pend D'Oreille River is underlain by Carboniferous greenish-brown phyllites and black argillites and green phyllites of the Upper Laib Formation, which extends east of the Waneta 5 claim, and underlies the southern portion of the Waneta 9 claim and most of the Waneta 10 claim. Very siliceous and pyritic zones were found within this area.

Andesites of the Elise Formation underlie the northern part of the Waneta 9 claim and the northeastern part of the Waneta 8 claim, where a splay of the Waneta fault occurs.

ECONOMIC GEOLOGY

The spatial coincidence of overthrust rocks containing multiple carbonate horizons (interbedded with relatively impermeable slates and argillites) and numerous small Tertiary intrusives presents a geological setting favourable for the development of replacement and disseminated type gold mineralization.

Small quantities of placer gold have been produced intermittently from the gravels along the lower reaches of Pend D'Oreille River, and numerous placer occurrences are known along Columbia River, downstream from the mouth of Pend D'Oreille River.

This placer gold is evidently derived from within the property although only two lode occurrences are documented in the area: (1) the Blue Star adit, located in the centre of the Waneta 9 claim; and (2) the Bunker Hill workings, located on the eastern edge of the Waneta 10 claim. No production was recorded from either of these occurrences. Considerable work was completed at the Bunker Hill prospect in which, from all reports, the gold values were very low and erratic.

EXPLORATION APPROACH - 1983 FIELD PROGRAM

An extended research study of southern British Columbia identified a geological setting with good potential for disseminated gold mineralization in the area of the Waneta claims.

The spatial coincidence of a 'eugeosynclinal' assemblage of volcanic and sedimentary rocks (containing multiple carbonate horizons interbedded with relatively impermeable slate and argillites) overthrust onto a 'miogeosynclinal' carbonate succession and numerous small Tertiary intrusives is considered to present a geological setting favourable for the development of replacement and disseminated type gold mineralization. The presence of placer gold along that section of Pend D'Oreille River which drains the area of the Waneta claims suggests the possible presence of disseminated gold mineralization which may have gone undetected by earlier exploration efforts.

The exploration approach employed was intended to delineate the underlying geology of the property and to identify areas containing potential replacement and disseminated gold mineralization, and to examine in greater detail any such potentially mineralized areas.

Two small grids were placed, one on either side of the placer gold producing reaches of Tillicum Creek. Semi-reconnaissance ground VLF-EM and soil sampling surveys were carried out over the grids. A total of 8.2 line km of 25 m x 200 m grid lines were sampled and surveyed. All the grid lines were flag-and-compass lines.

Detailed prospecting of a chert-carbonate horizon and siliceous schists and phyllites was carried out on the property. Stream silt samples were collected from the numerous streams draining the property. The Blue Star occurrence and the Bunker Hill mine were briefly examined to determine the significance of this style of vein type mineralization with respect to the current exploration program.

GEOCHEMICAL SURVEY

Two small soil sampling grids (totalling 7 line km of cross lines and 1.2 line km of base line) were placed one on either side of the placer gold producing reaches of Tillicum Creek over an area underlain by a narrow pyritic chert horizon interbedded with massive carbonates. The grids were extended to cover the strike extension of the Blue Star occurrence to establish a comparative data base for the geochemical results.

A total of 334 soil samples were collected. The samples were analyzed by TerraMin Research Labs Ltd. in Calgary, Alberta for gold, silver, arsenic, and antimony. These analytical results are included in Appendix B. A series of maps (7 to 10) have been contoured for each of the elements at a scale of 1:2500.

A number of features are immediately evident from the contoured analytical results. The most obvious of these is the different geochemical signatures from the East Grid as compared to the West Grid. The East Grid is relatively quiet geochemically, whereas the West Grid has a number of east-northeasterly trending Au, Ag, As, and Sb anomalies.

East Grid

On the East Grid, one sample returned a gold value of 274 ppb from L4+00E,2+25N. This site was associated with a weak east-west trending arsenic anomaly and an enriched silver zone immediately to the south.

Another soil sample, collected at L6+00E,1+50S, is moderately anomalous in gold along a weakly developed east-west trending zone. There are no corresponding anomalies in other elements.

West Grid

The West Grid has a number of east-northeasterly trending coincident Au/Ag/As zones. The gold and arsenic values outlined discontinuous weakly

anomalous trends. However, the silver geochemistry outlined a strong northeasterly trending zone, open in both directions, in close proximity to the Blue Star adit. This zone warrants closer inspection to determine its significance.

The antimony results, on the whole, were very low, with only two geochemically anomalous areas delineated. One of these is a single sample site anomaly located on the base line at 5+75W (16.6 ppm Sb), with corresponding very anomalous arsenic and silver and weakly anomalous gold values. This anomaly is in close proximity to the plane of a thrust fault on the Waneta 9 claim. The second area is an east-northeasterly trending zone with values up to 8.9 ppm Sb, extending weakly across the grid. This zone corresponds very well with the previously mentioned silver anomaly. These areas should also be re-examined.

VLF-EM SURVEY

A VLF-EM survey was completed over the two grids using a Crone Radem unit employing Cutler, Maine, as the transmitting station. The survey was carried out using a 25 m station interval along the grid lines. The results are presented in profile format on Map 5 and in Fraser-filtered contour format on Map 6.

The interpretation of the VLF-EM data was complicated by the strong field effects of powerlines which cross the property. These field effects would have masked any geological conductors existing under and up to at least 100 m on either side of the powerlines. Any conductors occurring beyond this limit should be "real".

A number of northwesterly trending conductors were delineated on the West Grid, paralleling the powerlines. These conductors swing east to northeast on the East Grid. There is no correspondence between these conductors and the geochemical trends delineated. The conductors could be outlining geological contacts of the underlying interbedded argillite and limestone.

GEOLOGICAL MAPPING, PROSPECTING
AND STREAM SEDIMENT SAMPLING

Geological mapping and prospecting of the claim group confirmed the underlying geology of the property as shown on G.S.C. Map 1144A and outlined a zone of strongly pyritized siliceous gneiss which underlies the Waneta 10 claim. Samples were collected from this zone as well as from other pyritic areas and quartz veining. These samples were forwarded to TerraMin Research Labs Ltd. in Calgary, Alberta, for assay for gold, silver, lead, zinc, and copper, with the results presented in Appendix B and sample descriptions presented in Appendix A. The assay results were negative.

Grab samples were also collected from the Crown-granted Blue Star adit, located in the centre of the Waneta 9 claim and from the Bunker Hill mine, located on the eastern edge of the Waneta 10 claim. The sample collected from the Blue Star adit returned 422 ppb Au (0.012 oz/ton).

All streams encountered during traverses were sampled and analyzed for gold, silver, antimony, and arsenic. Sample CA-W-13, adjacent to a northerly striking fault on the Waneta 2 claim, returned an anomalous value of 102 ppb Au. The source area of the silts from this creek should be examined in greater detail.

CONCLUSIONS AND RECOMMENDATIONS

During the period July 22 to August 4, 1983, a total of thirty man days of exploration were carried out on the property. Reconnaissance work consisted of prospecting, stream sediment sampling, and reconnaissance geological mapping. In addition, a total of 8.2 line km of semi-reconnaissance ground VLF-EM surveying and soil geochemical sampling were carried out at 25 m station intervals along 200 m spaced lines over two small grids situated one on either side of Tillicum Creek.

The VLF-EM survey delineated a number of northwesterly trending conductors on the West Grid. Conductors swing east to northeast on the East Grid. No correspondence exists between the conductors and the geochemistry. The geophysical results could be interpreted as representing geological contacts of the underlying sedimentary rock units.

The soil survey outlined two very strong northeasterly trending silver zones as well as a number of discontinuous gold and arsenic zones. Coincident As/Ag/Sb geochemical anomalies occur in the far western part of the grid area in close proximity to the plane of a thrust fault on the Waneta 9 claim. These areas should be re-examined to determine their significance.

Reconnaissance mapping and prospecting of the property confirmed the underlying geology and outlined a strongly pyritized zone within a siliceous gneiss.

Silt samples were collected from the numerous streams draining the property. One of these samples, located adjacent to a northerly striking fault on the Waneta 2 claim, returned an anomalous gold value. The source area of the silts from this creek should be examined in greater detail.

It is recommended that a short program be initiated to examine those areas mentioned, i.e., the area to the north of the anomalous stream silt sample, the anomalous silver zones, the anomalous antimony sample sites on the West Grid, and the gold anomalies on the East Grid, as well as further prospecting of the pyritic zone outlined within the siliceous gneisses. All streams draining the property should be systematically sampled at 100 m intervals.

A P P E N D I X A

Sample Descriptions

<u>Sample</u>	<u>Description</u>
W-3-1	Massive grey fine-grained granite, pyritic. Numerous epidote stringers along fracture surfaces, occasional stringers of specular hematite; occasional 30-90 cm wide Bi-Feld porphyry basalt dykes.
CA-9	9 m wide shear zone, bearing 300°, schistosity 290-300°; contains narrow asbestos stringers and quartz veins; shear zone occurs in metavolcanics.
CA-27	Lt. grey and black banded siliceous phyllite to gneiss. Numerous quartz bands parallel to foliation. Large pyrite cubes disseminated throughout the quartz and the phyllite, mainly in the phyllite. Strike 22°, dip 69°E. East end of outcrops strikes 300°, dips 40°SW, occasional quartz veins up to 30 cm wide.
CA-29	Blue Star adit. 1.8 m wide shear zone containing chert and numerous narrow quartz stringers disseminated with pyrite; occasional 1 cm wide bands of massive pyrite. Country rock black to green argillite, striking 330°, dipping 30°SW. Adit is 6 m deep x 4.5 m wide x 4.5 m high. Shearing, same dip and strike as the bedding.
CA-19	Massive bluish white syenite containing disseminated pyrite, in contact with thin bedded argillite.
CA-30	Calcareous greenish-grey pyritic greenstone, sheared.
CA-31	1.2 m wide massive quartz vein, contains minor pyrite; in greenstone (CA-30).
CA-35	Black to brownish-grey siliceous pyritic argillite, striking 200°, dipping 65°E.
CA-38	Lt. grey limestone, containing narrow black bands, minor disseminated galena along fracture surfaces and black bands.
CA-39	30 cm wide quartz vein with disseminated pyrite (at CA-27 location).
Bunker Hill	grab samples from dump. Massive white quartz with large pyrite cubes, slightly carbonaceous, in sheared phyllites and gneisses.

BUNKER HILL

This group consists of two Crown-granted claims, Bunker Hill and Mormon Girl, both of which have reverted to the Crown. The workings are on the east side of Limpid (Sixteenmile) Creek at an elevation of 3,800 feet and have been abandoned for over thirty years. A road was built from Waneta on the Columbia River, up Pend-d'Oreille Valley, and to a point on Limpid Creek 1,000 feet below the workings. A stamp mill was constructed here and connected by tram to the workings.

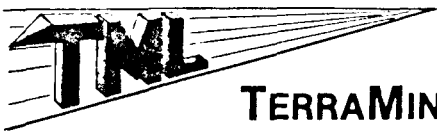
A quartz vein, striking approximately 40 degrees and dipping 45 degrees southeast, cuts impure quartzitic rocks of the Reno formation close to a granitic tongue at an elevation of 4,200 feet. The quartz vein is quite irregular.

Two adits have been driven presumably to tap the quartz vein. The upper adit is inaccessible, and the lower is partly filled with water and muck. The lower adit, 400 feet below the outcrop, intersects a quartz vein at 170 feet from the portal. This vein is possibly the downward continuation of the one outcropping. The vein in the adit strikes about 30 degrees, dips 45 degrees southeast, and closely follows the strike and dip of the impure quartzites. The vein at a point a few feet east of where it is entered is faulted 35 feet to the north. The vein has been followed for 80 feet east of the fault. A raise on the west side of the fault is about 25 feet high. The vein is composed of rather glassy quartz, some country rock, and a little pyrite. It has a maximum exposed width of 5 feet. There is no available record of the gold values, but from all reports the values were very low or lacking.

Ref: Memoir 172, Geology and Mineral Deposits of Salmo Map-area,
British Columbia, Canada; B.C. Dept. of Mines.
by J. F. Walker, p.89

A P P E N D I X B

Certificates of Analyses



ANALYTICAL REPORT

Job # 83-285

Date

Client Project Waneta BC-83-5

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Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
Bunker Hill	82	300	11	7	2
CA-9	16	7500	240	770	760
CA-19	26	810	4	70	120
CA-27	-2	270	37	10	48
CA-29	422	1910	260	8	66
CA-30	-2	140	91	-1	71
CA-31	-2	40	4	1	2
CA-35	54	1700	80	32	107
CA-38	-2	780	4	66	80
CA-39	2	60	11	3	4
W-3-1	-2	110	7	18	54



ANALYTICAL REPORT

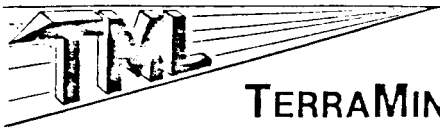
Job # 83-241-B

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
CA-W-12	4	40	17	1.0
13	<u>102</u>	80	18	0.6
14	26	130	14	1.1
15	16	260	16	1.3
16	-2	130	12	0.8
17	6	30	12	0.5
21	4	60	22	1.6
22	2	70	12	0.9
24	8	40	22	1.1
25	-2	160	26	1.2
26	24	120	28	1.2
33	8	440	27	1.6
34	4	40	8	0.3
TT-W-22	2	160	18	1.0



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ANALYTICAL REPORT

Job # 83-239

Date

Client Project BC-83-2

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Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"CA" S-108	2	100	34	26	80
109	8	120	39	29	84
110	2	100	38	21	86
111	8	120	51	12	87
112	8	120	45	21	88
113	36	100	50	14	93
115	8	120	48	9	89
116	4	160	49	10	86
117	8	240	53	17	106
<u>TTW 18</u>	2	90	16	12	60
TT-M-30 S	4	160	63	18	114
TT-M-39 S	20	200	37	3	60
TT-OR-44 Silt	8	160	56	37	118
TT-B 25	8	680	130	41	600



TERRAMIN RESEARCH LABS LTD.

Soil Samples

ANALYTICAL REPORT

Job # 83-241

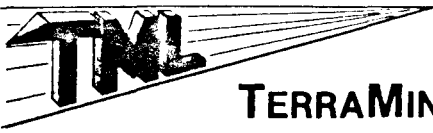
Taiga Consultants

Date

Client Project Waneta

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
6+00 W 5+00 N	2	400	15	1.4
4+75	4	270	16	1.3
4+50	-2	230	12	1.1
4+25	4	270	27	0.6
4+00	-2	210	12	1.3
3+75	6	180	16	1.1
3+50	-2	270	12	1.2
3+25	<u>48</u>	170	13	0.8
3+00	<u>48</u>	180	40	1.6
2+75	4	250	12	1.1
2+50	2	330	18	2.7
2+25	4	140	9	1.5
2+00	-2	710	27	1.5
1+75	2	450	12	1.2
1+50	-2	500	12	1.3
1+25	4	1710	25	3.6
1+00	-2	860	16	2.7
0+75	-2	820	14	1.9
0+50	6	200	14	1.0
0+25	8	380	20	1.2
4+00 W 5+00 N	2	160	20	2.4
4+75	4	220	18	1.5
4+50	6	180	16	1.8
4+25	2	170	14	1.4
4+00	-2	320	23	1.3



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

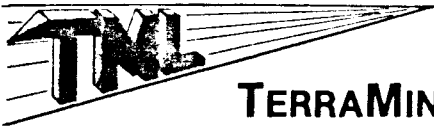
Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
4+00 W 3+75 N	4	300	12	1.2
3+50	-2	290	15	1.0
3+25	8	200	13	1.0
3+00	2	190	13	0.9
2+75	12	500	22	1.2
2+50	8	1510	21	3.9
2+25	2	1060	18	1.2
2+00	6	3500	38	3.6
1+75	8	2140	30	3.3
1+50	14	690	15	1.8
1+25	4	330	11	1.0
1+00	4	310	16	1.3
0+75	6	140	17	0.9
0+50	-2	120	21	1.0
0+25	-2	140	19	1.2
0+25 S	2	280	21	1.5
0+50	6	230	20	1.2
0+75	4	240	24	1.7
1+00	10	440	32	4.1
1+25	8	290	22	2.4
1+50	26	930	37	2.6
1+75	22	940	17	0.5
2+00	38	2920	150	5.8
2+25	2	490	15	1.0
2+50	6	450	14	0.8



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
4+00 W 2+75 S	2	200	14	0.8
3+00	6	310	16	2.4
3+25	-2	290	22	1.3
3+50	-2	230	18	1.6
3+75	6	250	22	1.0
4+00	4	190	21	1.4
4+25	6	260	22	1.3
4+50	2	260	30	2.6
4+75	2	160	22	1.2
5+00	4	230	29	1.6
2+00 W 5+00 N	8	250	20	1.8
4+75	10	170	28	1.8
4+50	28	290	40	3.3
4+25	4	210	21	1.4
4+00	2	210	22	1.5
3+75	4	340	21	1.2
3+50	2	810	22	1.4
3+25	2	3000	36	3.1
3+00	6	3200	38	3.0
2+75	2	2110	24	3.0
2+50	4	3600	30	6.2
2+25	6	4100	32	8.9
2+00	6	5200	58	7.5
1+75	2	1600	18	2.4
1+50	-2	2800	18	2.7



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
2+00 W 1+25 N	20	3600	17	2.4
1+00	-2	1410	17	1.4
0+75	16	1390	44	4.0
0+50	4	880	26	2.2
0+25	2	240	17	1.3
0+25 S	4	580	21	1.1
0+50	42	410	16	1.2
0+75	6	930	24	1.2
1+00	8	1000	25	1.6
1+25	-2	310	16	1.6
1+50	12	220	28	2.7
1+75	38	910	33	2.7
2+00	10	310	18	2.2
2+25	-2	240	18	2.2
2+50	2	140	17	1.5
2+75	2	190	20	2.6
3+00	2	150	18	1.4
3+25	-2	120	20	1.1
3+50	-2	160	16	0.9
3+75	2	280	18	1.4
4+00	-2	290	17	1.3
4+25	4	270	11	0.9
4+50	6	250	16	1.1
4+75	-2	210	16	0.8
5+00	2	600	32	2.9



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
0+00 5+00 N	2	320	12	1.4
4+75	-2	190	18	1.1
4+50	-2	1090	18	1.2
4+25	2	630	16	1.3
4+00	2	1310	29	2.0
3+75	-2	1250	24	2.3
3+50	8	490	18	1.5
3+25	4	720	20	1.2
3+00	2	760	17	1.2
2+75	12	600	16	1.5
2+50	4	490	15	0.8
2+25	2	330	12	0.9
2+00	2	330	14	0.8
1+75	4	290	19	1.4
1+50	4	380	17	0.9
1+25	24	320	16	1.0
1+00	10	290	15	1.2
0+75	4	330	11	1.3
0+50	4	330	12	0.9
0+25	6	300	16	1.8
0+00	10	360	15	1.2
0+25 S	2	330	16	1.2
0+50	2	320	14	1.1
0+75	2	420	13	1.0
1+00	2	430	14	1.0



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
0+00 1+25 S	2	460	17	0.7
1+50	-2	640	18	1.1
1+75	2	620	14	0.8
2+00	-2	310	10	0.8
2+25	2	330	14	1.1
2+50	4	300	14	0.9
2+75	6	150	13	0.8
3+00	4	200	14	0.8
3+25	-2	300	12	0.8
3+50	2	290	15	1.0
3+75	4	330	12	0.8
4+00	8	250	16	0.8
4+25	10	330	28	2.0
4+50	12	250	24	1.5
4+75	6	320	16	1.2
5+00	6	350	16	1.5
0+90 E or W 0+00	4	290	14	1.5
0+25 S	-2	260	13	1.4
0+50	-2	390	12	0.8
0+75	-2	250	15	1.0
1+00	2	310	14	1.2
1+25	2	310	11	1.0
1+50	-2	200	14	1.1
1+75	8	180	11	0.9
2+00	-2	220	13	0.9



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
0+90 E 2+25 S	6	330	16	0.6
2+50	6	250	13	1.2
2+75	2	310	17	1.4
3+00	2	150	12	0.6
3+25	-2	330	19	1.3
3+50	-2	220	16	1.9
3+75	-2	260	13	0.8
4+00	4	320	20	1.9
4+25	2	280	14	0.9
4+50	10	200	15	0.7
4+75	-2	150	15	0.9
5+00	-2	100	15	1.0
2+00 E 5+00 N	2	240	17	1.9
4+75	8	220	17	1.1
4+50	8	230	17	1.5
4+25	6	280	16	1.1
4+00	6	220	19	1.3
3+75	18	210	18	1.6
3+50	6	240	28	1.1
3+25	4	430	17	1.3
3+00	4	230	21	1.4
2+75	6	280	22	1.5
2+50	2	650	26	1.5
2+25	4	560	14	1.8
2+00	2	330	18	1.6



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
2+00 E 1+75 N	4	400	18	1.2
1+50	4	390	14	0.7
1+25	-2	340	14	1.2
1+00	2	320	18	1.4
0+75	4	340	14	1.0
0+50	2	350	16	0.9
0+25	4	340	16	1.3
0+25 S	6	410	12	0.8
0+50	8	200	12	1.0
0+75	8	240	12	1.1
1+00	4	480	15	1.0
1+25	-2	460	15	1.1
1+50	6	310	14	1.0
1+75	8	480	14	1.0
2+00	6	340	12	1.2
2+25	4	440	15	0.9
2+50	-2	350	18	0.8
2+75	14	330	15	1.0
3+00	4	320	16	0.8
3+25	2	400	15	1.0
3+50	2	480	13	0.8
3+75	-2	250	14	1.0
4+00	-2	180	10	0.6
4+25	-2	220	13	1.0
4+50	-2	120	20	1.6



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-241

Date

Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
2+00 E 4+75 S	4	160	16	1.8
5+00	2	160	21	1.8
4+00 E 5+00 N	22	1100	55	2.3
4+75	2	200	37	1.4
4+50	-2	270	33	1.6
4+25	-2	210	24	1.6
4+00	4	170	27	1.8
3+75	-2	190	28	1.9
3+50	-2	250	16	1.3
3+25	-2	130	18	1.0
3+00	8	410	41	2.1
2+75	2	170	25	2.0
2+50	6	240	51	1.6
2+25	<u>274</u>	580	46	1.4
2+00	6	900	54	1.4
1+75	-2	1020	21	1.3
1+50	2	1430	25	2.2
1+25	-2	1030	30	1.3
1+00	2	800	38	1.0
0+75	10	550	26	1.0
0+50	2	750	21	1.1
0+25	2	300	19	1.2
0+25 S	-2	270	19	1.2
0+50	-2	230	13	1.1
0+75	-2	170	17	1.1



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

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Date

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
4+00 E 1+00 S	2	160	16	1.2
1+25	2	190	19	1.1
1+50	12	250	16	1.8
1+75	4	270	16	1.4
2+00	2	260	15	0.9
2+25	-2	260	12	1.0
2+50	-2	320	21	1.3
2+75	-2	350	20	0.9
3+00	2	230	26	1.4
3+25	-2	400	17	0.7
3+50	2	370	15	0.7
3+75	4	240	18	0.4
4+00	-2	80	15	2.0
4+25	2	220	12	1.2
4+50	-2	210	14	0.8
4+75	12	220	33	1.4
5+00	2	280	22	1.4
6+00 E 4+70 N	8	480	18	0.7
4+50	2	270	20	0.7
4+25	-2	230	22	0.9
4+00	-2	210	24	0.9
3+75	-2	140	23	1.6
3+50	2	270	17	1.3
3+25	-2	190	20	1.4
3+00	8	140	18	1.5



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

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Date

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
6+00 E 2+75 N	-2	200	20	1.2
2+50	-2	130	26	1.4
2+25	-2	190	16	0.8
2+00	2	250	16	1.0
1+75	4	240	18	1.0
1+50	-2	250	22	1.0
1+25	-2	250	21	0.9
1+00	-2	320	22	0.9
0+75	-2	280	21	0.8
0+50	6	300	17	0.8
0+25	2	230	18	0.9
0+00	4	250	16	0.6
0+25 S	2	180	15	0.8
0+50	2	170	18	1.1
0+75	2	190	16	0.8
1+00	4	160	17	1.0
1+25	-2	150	15	0.8
1+50	86	260	26	0.8
1+75	-2	320	20	1.3
2+00	4	370	25	0.7
2+25	4	170	18	1.0
2+50	4	360	23	1.2
2+75	2	240	21	1.0
3+00	24	560	24	0.6
3+25	-2	390	22	1.0



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

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Date

Client Project

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Sample No.		Au ppb	Ag ppb	As ppm	Sb ppm
6+00 E	3+50 S	2	290	21	1.0
	3+55 silt	10	140	22	1.0
BL	3+75	6	260	28	1.1
	4+00	-2	270	19	1.3
	4+25	-2	200	14	0.6
	4+50	-2	210	10	0.7
	4+75	-2	180	15	0.4
	5+00	-2	210	16	0.8
	6+00 W	2	170	24	1.0
	5+75	22	9600	132	16.6
	5+50	-2	580	22	2.4
	5+25	-2	80	20	1.8
	5+00	-2	100	22	2.2
	4+75	2	120	28	2.8
	4+50	4	70	20	1.2
	4+25	2	160	18	1.9
	4+00	-2	140	20	1.5
	3+75	2	180	20	1.5
	3+50	4	200	19	1.2
	3+25	<u>62</u>	310	18	1.2
	3+00	-2	210	16	1.8
	2+75	4	110	16	1.1
2+50	-2	120	12	0.9	
2+25	-2	160	14	1.0	
2+00	-2	110	14	1.4	



ANALYTICAL REPORT

Job # 83-241

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Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
BL 1+75 W	-2	180	19	1.4
1+50	-2	200	16	1.4
1+25	2	240	15	1.5
1+00	-2	180	16	1.1
0+75	-2	230	22	3.2
0+50	-2	300	16	1.3
0+25	-2	210	15	1.1
0+00	-2	230	20	1.4
0+00 0+00 E (?)	-2	190	19	1.2
BL 0+25 E	-2	170	18	1.7
0+50	-2	260	14	1.5
0+75	4	340	14	1.4
1+00	2	160	14	1.4
1+25	-2	140	14	1.2
1+50	4	100	12	0.9
1+75	-2	230	13	1.8
2+00	-2	440	16	1.6
2+25	-2	470	17	1.4
2+50	-2	230	15	1.1
2+75	-2	260	14	1.2
3+00	2	280	16	1.3
3+25	2	200	15	1.3
3+50	-2	200	19	1.4
3+75	-2	210	18	1.3
4+00	-2	140	19	1.6



ANALYTICAL REPORT

Job # 83-241

Date

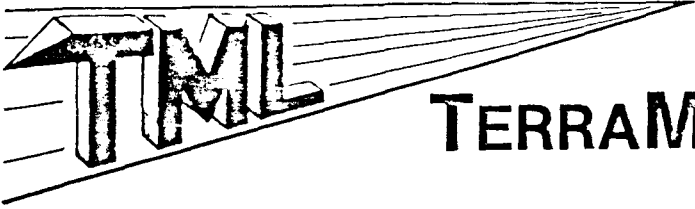
Client Project

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Sample No.	Au ppb	Ag ppb	As ppm	Sb ppm
BL 4+25 E	2	230	19	1.0
4+50	2	270	18	0.8
4+75	6	140	21	1.0
5+00	2	200	18	1.0
5+25	-2	250	19	1.0
5+50	-2	230	21	1.1
5+75	2	190	20	1.1
6+00	2	280	19	0.8
6+25	-2	290	21	1.6
6+50	-2	370	25	1.2
6+75	-2	260	18	0.9
7+00	2	190	17	1.2
7+25	-2	190	16	0.8
7+50	-2	260	14	1.3
7+75	-2	250	22	1.0

A P P E N D I X C

Analytical Techniques
and
Personnel



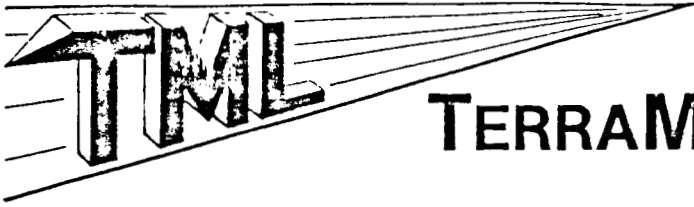
TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

SAMPLE PREPARATION

Soil and sediment samples are dried and sieved through 80 mesh nylon screen (maximum particle size 200 microns).

Rock or drill core samples are crushed to approximately 1/8" in a jaw crusher, riffled to obtain a representative sample, and pulverized to 100 mesh (180 micron particle size).

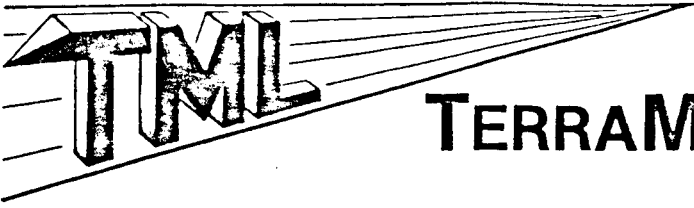


TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

FIRE ASSAY/AA METHOD FOR GOLD AND SILVER PLATINUM AND PALLADIUM

Approximately 1 assay ton of prepared sample is fused with a litharge flux charge to obtain a lead button. The button is cupelled down to a precious metal prill which is then dissolved in aqua regia. The resulting solution is analysed by atomic absorption spectrophotometry to determine the precious metals.



TERRAMIN RESEARCH LABS LTD.

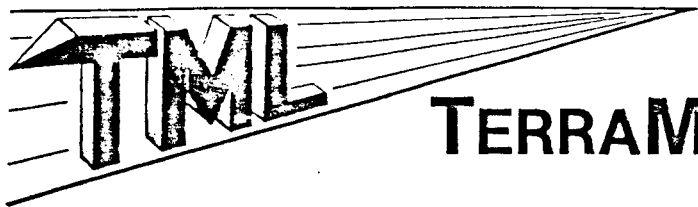
14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

ANALYTICAL METHODS FOR BASE METALS

Cd, Cr, Co, Cu, Fe (soluble), Pb, Mn (soluble), Mo, Ni, Ag, Zn

A portion of the prepared sample is digested in hot nitric/perchloric acid mixture, or hot aqua regia (nitric/hydrochloric acids).

Elements are determined by atomic absorption spectrophotometry.



TERRAMIN RESEARCH LABS LTD.

14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

ANALYTICAL METHOD FOR ARSENIC AND ANTIMONY

A portion of the prepared sample is digested in acid at low temperature. As and Sb are determined with a vapour generation accessory with atomic absorption.

PERSONNEL

<u>Name</u>	<u>Address</u>	<u>Dates Worked</u>
Claude Aussant, P.Geol.	31 Templebow Way N.E. Calgary, Alberta	July 22, July 27-Aug.4
Megan O'Donnell	223 Trelawn Avenue Oakville, Ontario	July 30-Aug.4
Tim Termuende	Wildhorse Farm Fort Steele, B.C.	July 22, July 28-Aug.4
Alex Francoeur	6132 Beaver Dam Way N.E. Calgary, Alberta	July 30-Aug.4
		Total 30½ man days.

A P P E N D I X D

Summary of Expenditures

SUMMARY OF EXPENSES
Waneta 1-10 Mineral Claims
Nelson Mining Division
BRITISH COLUMBIA

Pre-Field Preparation		1,060.00
<u>Field Personnel</u>		
Project Geologist	10½ days @\$250 diem	2,625.00
Senior Prospector	6 days @\$175 diem	1,050.00
Junior Prospector	14 days @\$165 diem	<u>2,310.00</u>
		5,985.00
<u>Transportation and Travel</u>		
Fuel and Travel expenses		536.28*
4 x 4 truck rental	11 days @\$75 diem	825.00
3/4 ton van	6½ days @\$45 diem	<u>292.50</u>
		1,653.78
<u>Equipment Rental</u>		
VLF-EM 16	6 days @\$15 diem	90.00
<u>Field Accommodation</u>		
Food and Lodging	30½ man days @\$40/man day	1,220.00
Disposable supplies		<u>130.00*</u>
		1,350.00
<u>Geochemical Analysis</u>		
354 Soil and silt samples analyzed for Au, Ag, As, Sb @11.90		4,212.60
11 Rock samples analyzed for Au, Ag, Cu, Pb, Zn 11.95		131.45
1 Silt samples analyzed for Au, Ag, Cu, Pb, Zn @9.80		<u>9.80</u>
		4,353.85*
<u>Miscellaneous</u>		
Maps, publications reproduction		419.83*
Telephone		54.62*
Courier		<u>1.75*</u>
		476.20*
<u>Post-Field Compilation</u>		
Report writing, data compilation		2,431.26
Drafting and secretarial		<u>1,727.50</u>
		4,158.76
<u>*Handling Charge on all third-party expenditures @12% of 5496.33</u>		<u>659.56</u>
	TOTAL	<u>\$ 19,787.15</u>

SUMMARY OF EXPENSES
Waneta 1 to 5 Mineral Claims
Nelson Mining Division
BRITISH COLUMBIA

Pre-Field Preparation		530.00
<u>Field Personnel</u>		
Project Geologist	8½ days @\$250 diem	2,125.00
Senior Prospector	3 days @\$175 diem	525.00
Junior Prospector	6 days @\$165 diem	<u>990.00</u>
		3,640.00
<u>Transportation and Fuel</u>		
Fuel and travel expenses		268.14*
4 x 4 truck rental	11 days @\$75 diem	<u>825.00</u>
		1,093.14
<u>Field Accommodation</u>		
Food and Lodging	17½ man days @\$40/ man day	700.00
Disposable supplies		<u>65.00*</u>
		765.00
<u>Geochemical Analysis</u>		
2 Rock samples analyzed for Au, Ag, Cu, Pb, Zn	@11.95	23.90
9 Silt samples analyzed for Au, Ag, As, Sb	@11.90	<u>107.10</u>
		131.00*
<u>Miscellaneous</u>		
Maps, publications, reproduction		209.92
Telephone, courier, freight		<u>28.19</u>
		238.11*
<u>Post-Field Compilation</u>		
Report writing, data compilation		1,215.63
Drafting and secretarial		<u>863.75</u>
		2,079.38
<u>*Handling Charge</u> on all third-party expenditures @12% of 702.25		
		<u>84.27</u>
	TOTAL	<u>\$ 8,560.90</u>

SUMMARY OF EXPENSES
Waneta 6 to 10 Mineral Claims
Nelson Mining Division
BRITISH COLUMBIA

Pre-Field Preparation		530.00
<u>Field Personnel</u>		
Project Geologist	2 days @\$250 diem	500.00
Senior Prospector	3 days @\$175 diem	525.00
Junior Prospector	8 days @\$165 diem	<u>1,320.00</u>
		2,345.00
<u>Transportation and Travel</u>		
Fuel and travel expenses		268.13*
3/4 ton van 6½ days @\$45 diem		<u>292.50</u>
		560.63
<u>Equipment Rental</u>		
VLF-EM 16	6 days @\$15 diem	90.00
<u>Field Accommodation</u>		
Food and lodging	13 man days @\$40/man day	520.00
Disposable supplies		<u>65.00*</u>
		585.00
<u>Geochemical Analysis</u>		
334 Soil samples analyzed for		
Au, Ag, As, Sb @11.90		3,974.60
9 Rock samples analyzed for		
Au, Ag, Cu, Pb, Zn @11.95		107.55
11 Silt samples analyzed for		
Au, Ag, As, Sb @11.90		130.90
1 Silt samples analyzed for		
Au, Ag, Cu, Pb, Zn @9.80		<u>9.80</u>
		4,222.85*
<u>Miscellaneous</u>		
Maps, publications, reproduction		209.91
Telephone		27.31
Courier		<u>.87</u>
		238.09*
<u>Post-Field Compilation</u>		
Report writing, data compilation		1,215.63
Drafting and secretarial		<u>863.75</u>
		2,079.38
<u>*Handling Charge on all third-party</u>		
expenditures @12% of 4794.07		<u>575.29</u>
		2,654.67
	TOTAL	<u>\$11,226.24</u>



Four Mile Creek

L. Pine

Relb Creek

CA-W-12
2, 40, 12, 10

CA-W-13
102, 80, 18, 0.8

occasional north-south bi - field porph. dykes
Pyritic

occasional basalt dykes

RIVER

PEND D'OREILLE FAULT

bearing 325°

shear zone bearing 300°
(biotite - schist w. asbestos stringers)

shear zone (biotite - schist)

contains numerous north-south bearing shears

becoming coarser grained

3

3

3

2

2

4

4

4

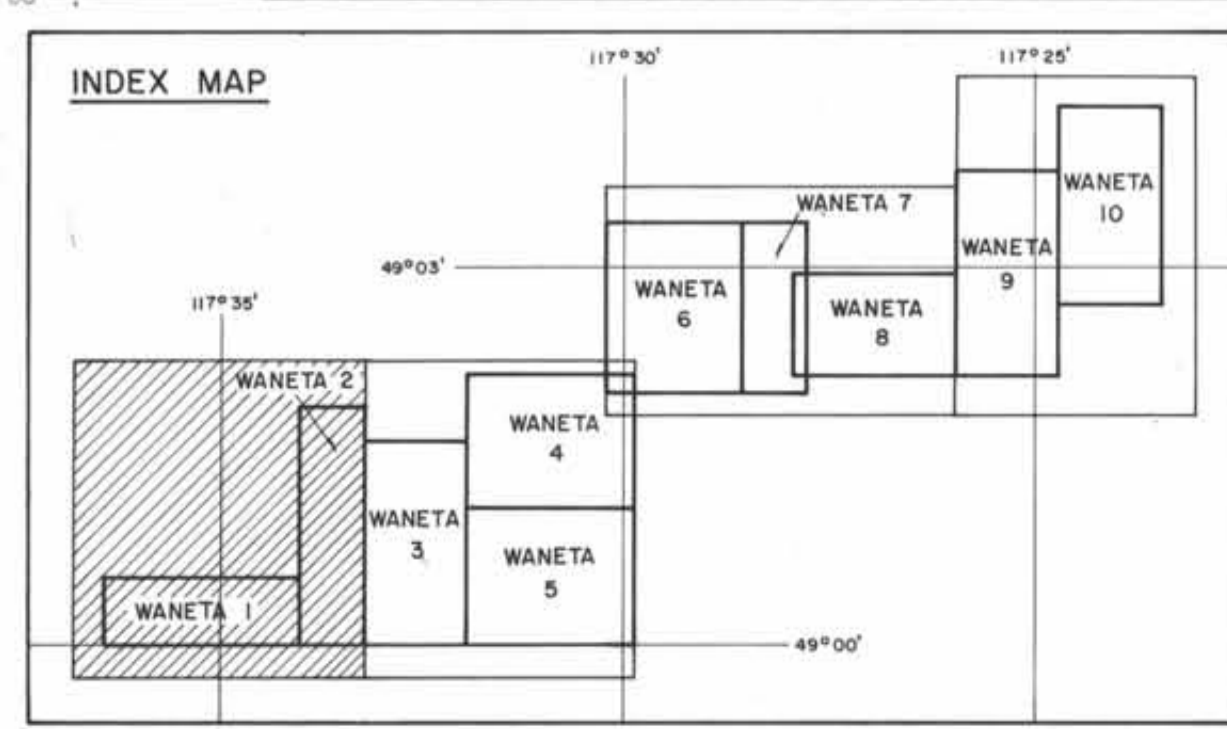
WANETA 1

WANETA 2

WANETA 3

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GEOLOGICAL BRANCH ASSESSMENT REPORT
11,536

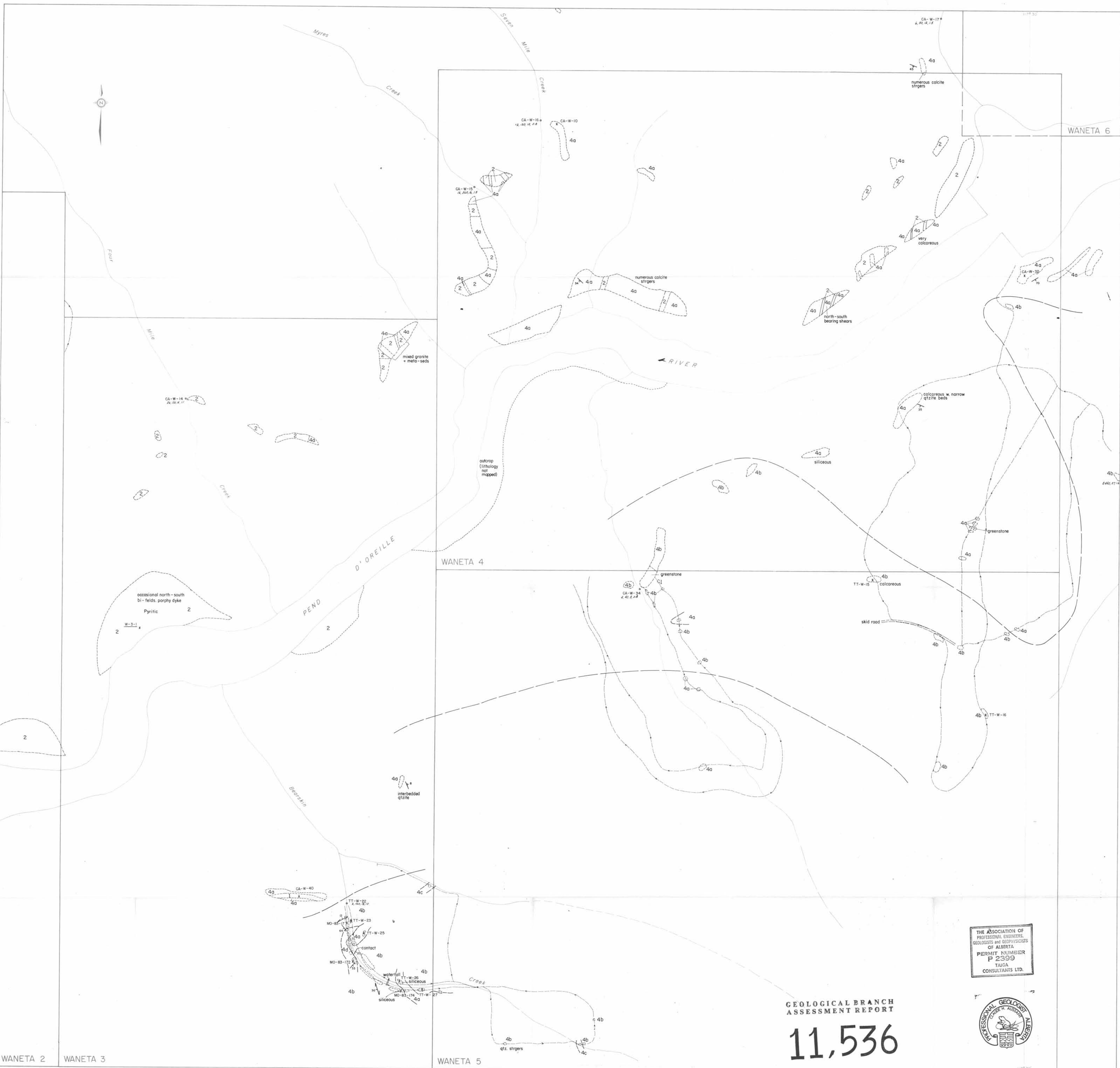


- 1 Coryell Intrusions: syenite, quartz monzonite, biotite-augite monzonite
- 2 Sheppard Intrusions: granite
- 3 Elise Formation: meta-andesite (greenstone)
- 4 Carboniferous(?) - thrust belt of Kootenay Arc
 - a black argillite
 - b phyllite
 - c quartzite
 - d greywacke
 - e chert
 - f limestone
- 5 Upper Liab Formation: siliceous phyllite, schist, phyllitic gneiss, micaceous quartzite

- ~ Fault
- Thrust Fault
- Fractures
- Bedding
- o Silt Sample
- x Rock Sample — geological location or geochemical sample
- 1, 2, 4, 6, 13 Rock and silt sample results Au (ppb), Ag (ppb), As (ppm), Sb (ppm)

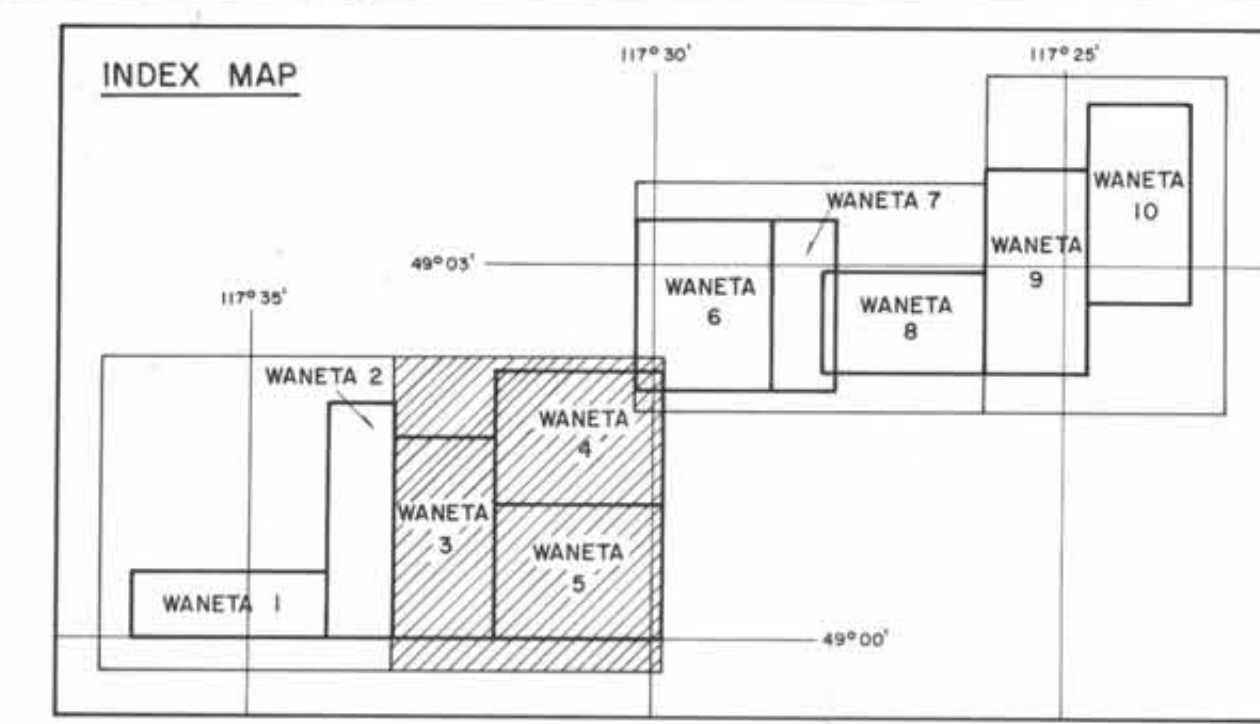
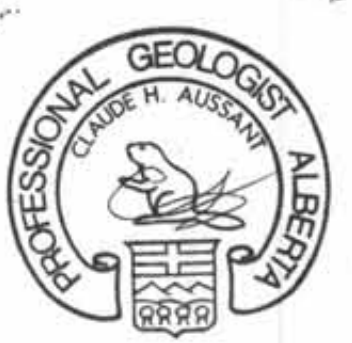


REX SILVER MINES LTD.	
WANETA 1 TO 10 CLAIMS	
GEOLOGY MAP	
DATE AUGUST, 1983	NTS 82 F/4
PROJECT BC-83-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:5000	0 100 200 300 METRES
TAIGA CONSULTANTS LTD	MAP 1



GEOLOGICAL BRANCH
ASSESSMENT REPORT
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- | | | | |
|---|---|---|--------------|
| 1 | Coryell Intrusions: syenite, quartz monzonite, biotite-augite monzonite | — | Fault |
| 2 | Sheppard Intrusions: granite | — | Thrust Fault |
| 3 | Elise Formation: meta-andesite (greenstone) | — | Fractures |
| 4 | Carboniferous(?) — thrust belt of Kootenay Arc | — | Bedding |
| | a black argillite | d | greywacke |
| | b phyllite | e | chert |
| | c quartzite | f | limestone |
| 5 | Upper Liab Formation: siliceous phyllite, schist, phyllitic gneiss, micaceous quartzite | | |
- x Rock Sample — geological location or geochemical sample
 • Silt Sample
 x Rock and silt sample results Au (ppb), Ag (ppb), As (ppm), Sb (ppm)

REX SILVER MINES LTD.
WANETA 1 TO 10 CLAIMS
GEOLOGY MAP

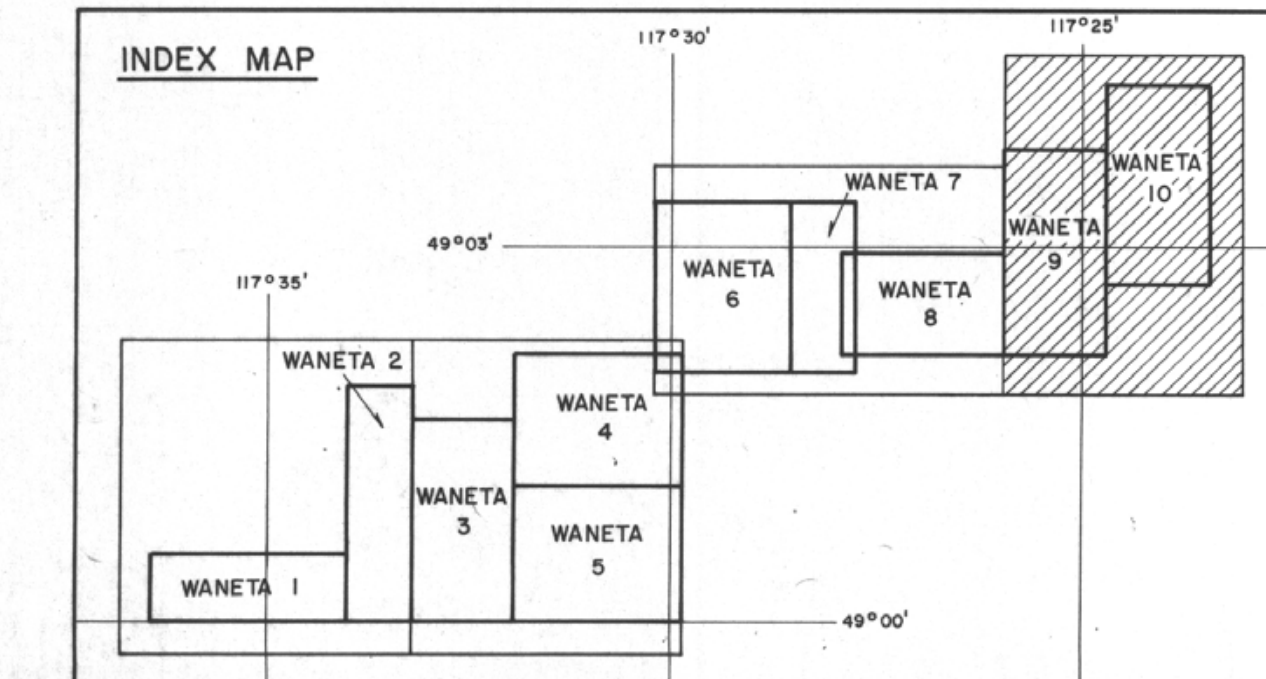
DATE AUGUST, 1983	NTS 82 F/4
PROJECT BC-83-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:5000	0 50 100 150 200 250 METRES
TAIGA CONSULTANTS LTD	MAP 2



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

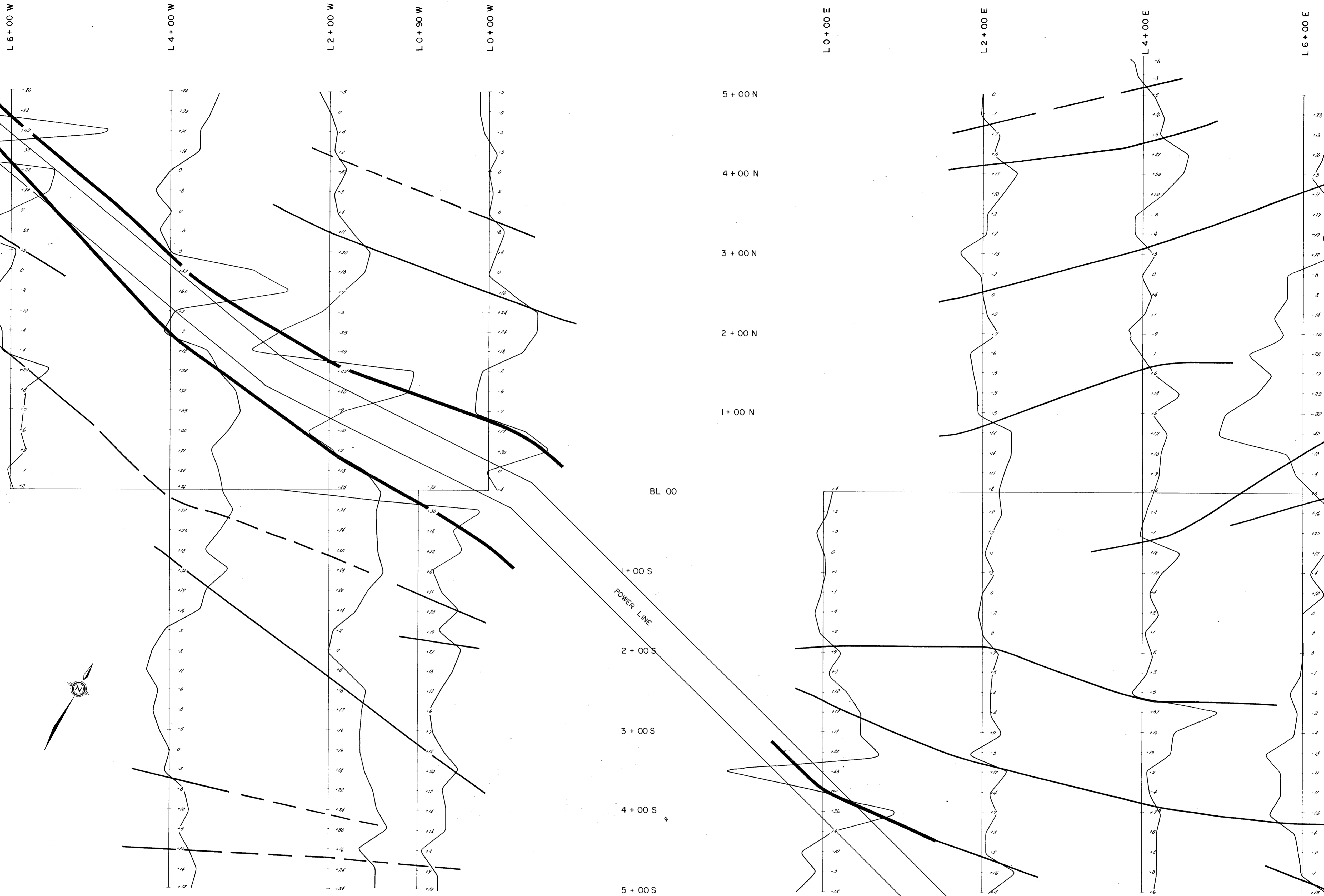
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- | | | |
|--|--|---|
| <p>1 Coryell Intrusions: syenite, quartz monzonite, biotite-augite monzonite</p> <p>2 Sheppard Intrusions: granite</p> <p>3 Elise Formation: meta-andesite (greenstone)</p> <p>4 Carboniferous(?) — thrust belt of Kootenay Arc</p> <p>5 Upper Liab Formation: siliceous phyllite, schist, phyllitic gneiss, micaceous quartzite</p> | <p>a black argillite</p> <p>b phyllite</p> <p>c quartzite</p> <p>d greywacke</p> <p>e chert</p> <p>f limestone</p> | <p>— Fault</p> <p>— Thrust Fault</p> <p>— Fractures</p> <p>— Bedding</p> <p>o Silt Sample</p> <p>x Rock Sample — geological location or geochemical sample</p> <p>CA-W-26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100</p> <p>Rock and silt sample results Au (ppb), Ag (ppb), As (ppm), Sb (ppm)</p> |
|--|--|---|

REX SILVER MINES LTD.	
WANETA 1 TO 10 CLAIMS	
GEOLOGY MAP	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:5000	0 50 100 150 200 250 METRES
TAJGA CONSULTANTS LTD	
MAP 4	



**GEOLOGICAL BRANCH
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Instrument: Crone Radem VLF-EM

Operator: M. O'Donnell

Station: Cuttler, Maine

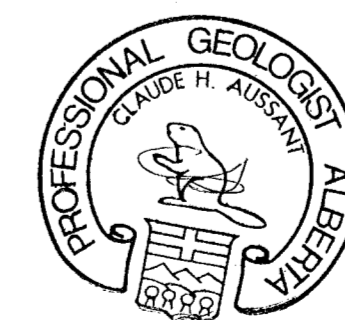
Direction to station:

Profile scale: 1 cm = 10²

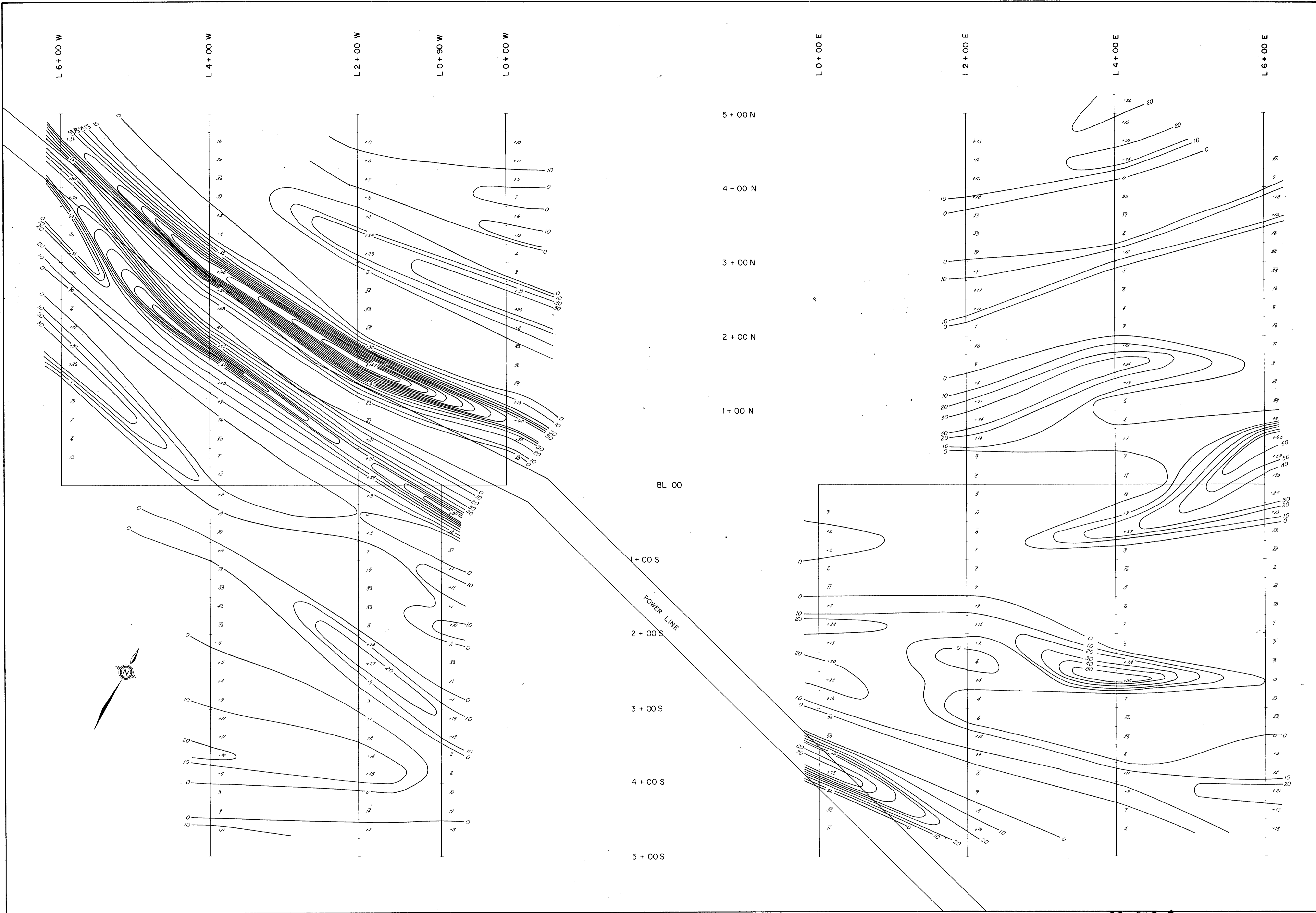
North dip: positive

South dip: negative

Conductor axis
 ————— very strong conductor (due to power line)
 - - - - - moderate conductor
 - - - - - weak conductor

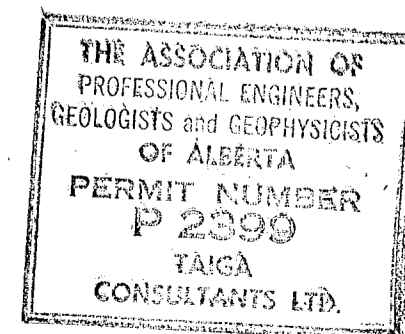


REX SILVER MINES LTD.	
WANETA 9 & 10 - GRID	
VLF - EM PROFILES	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 5

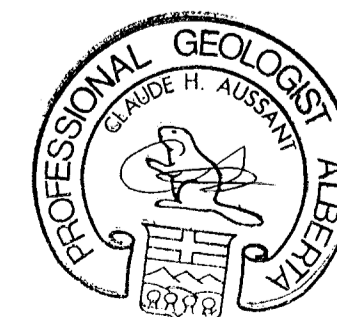


**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

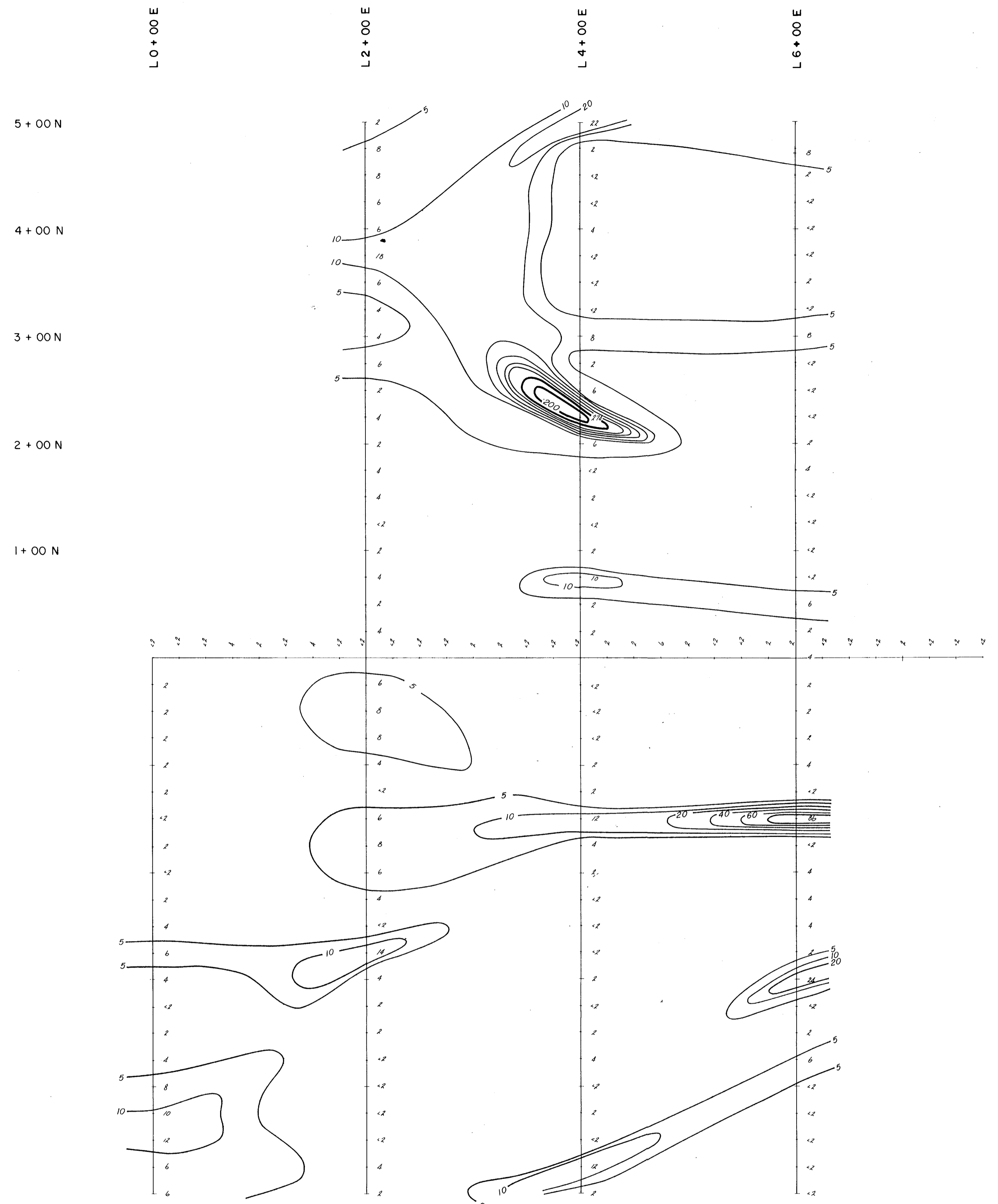
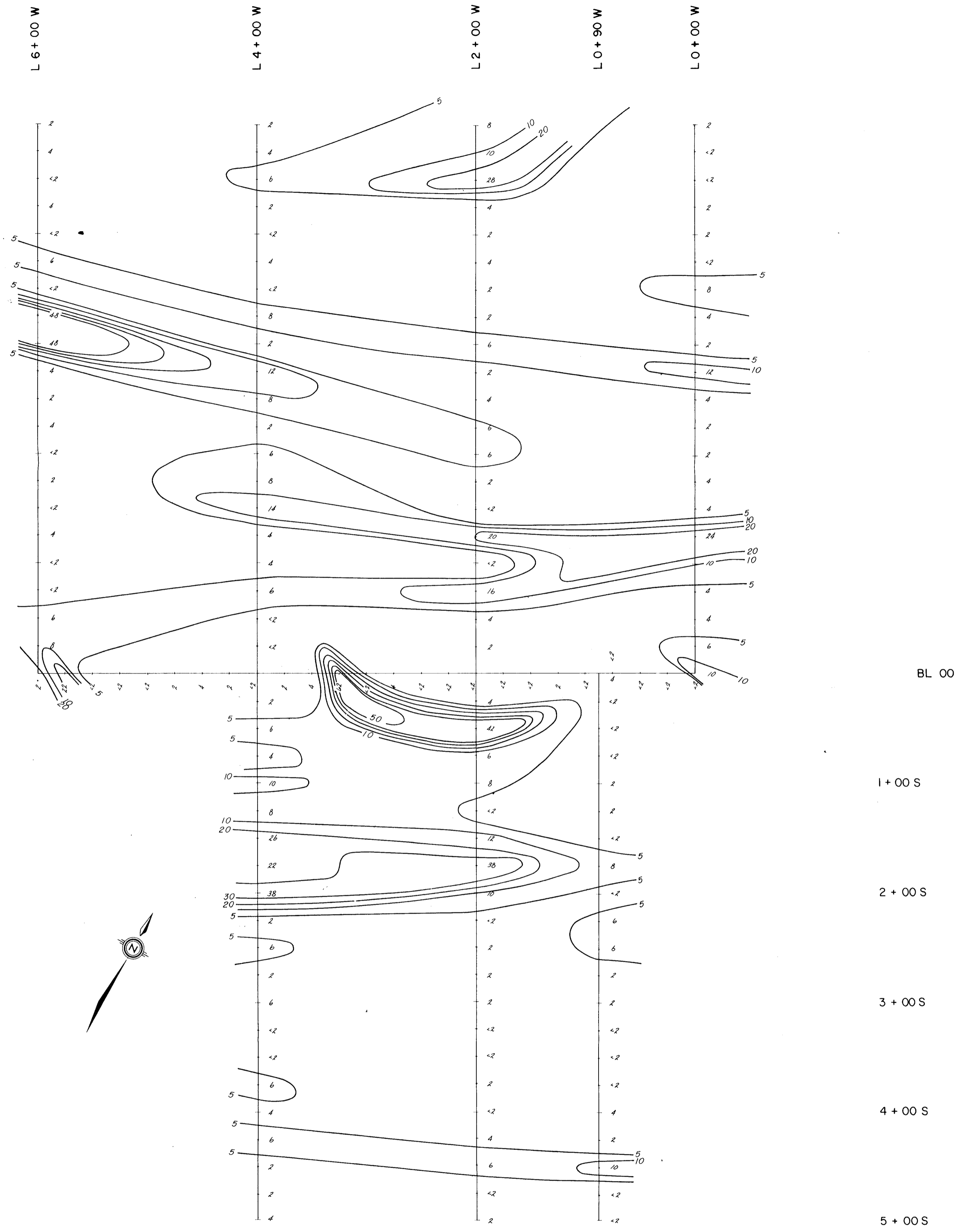
11,536



Instrument: Crone Radem VLF - EM
 Operator: M. O' Donnell
 Station: Cutler, Maine
 Direction: 160°
 Contour Interval: 10

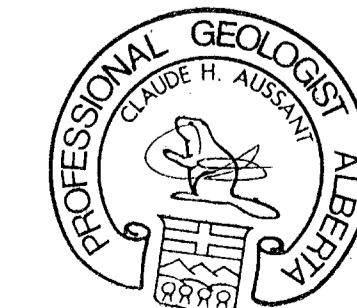


11,536	
REX SILVER MINES LTD.	
WANETA 9 & 10 - GRID	
FRASER FILTERED VLF-EM	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 6



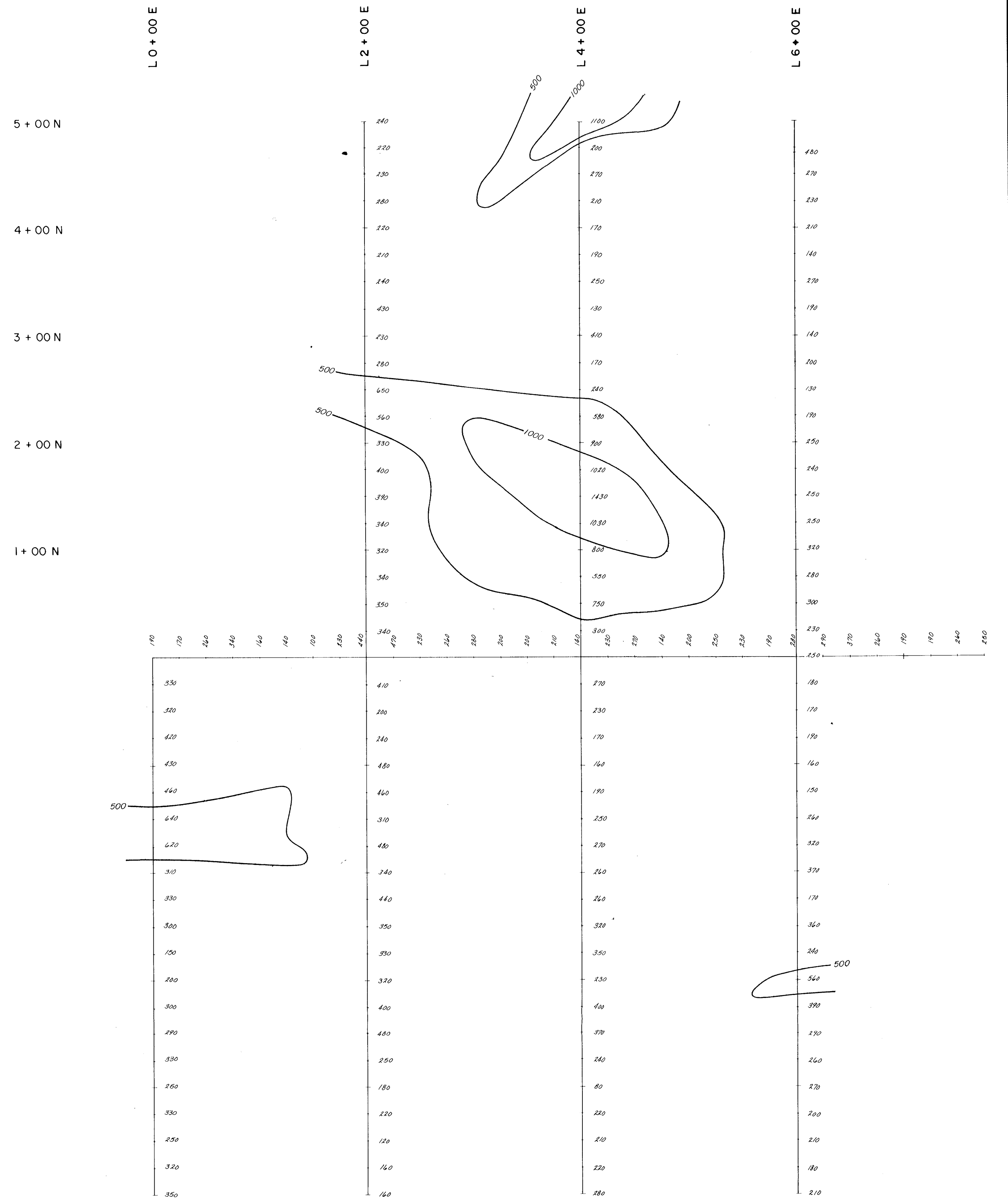
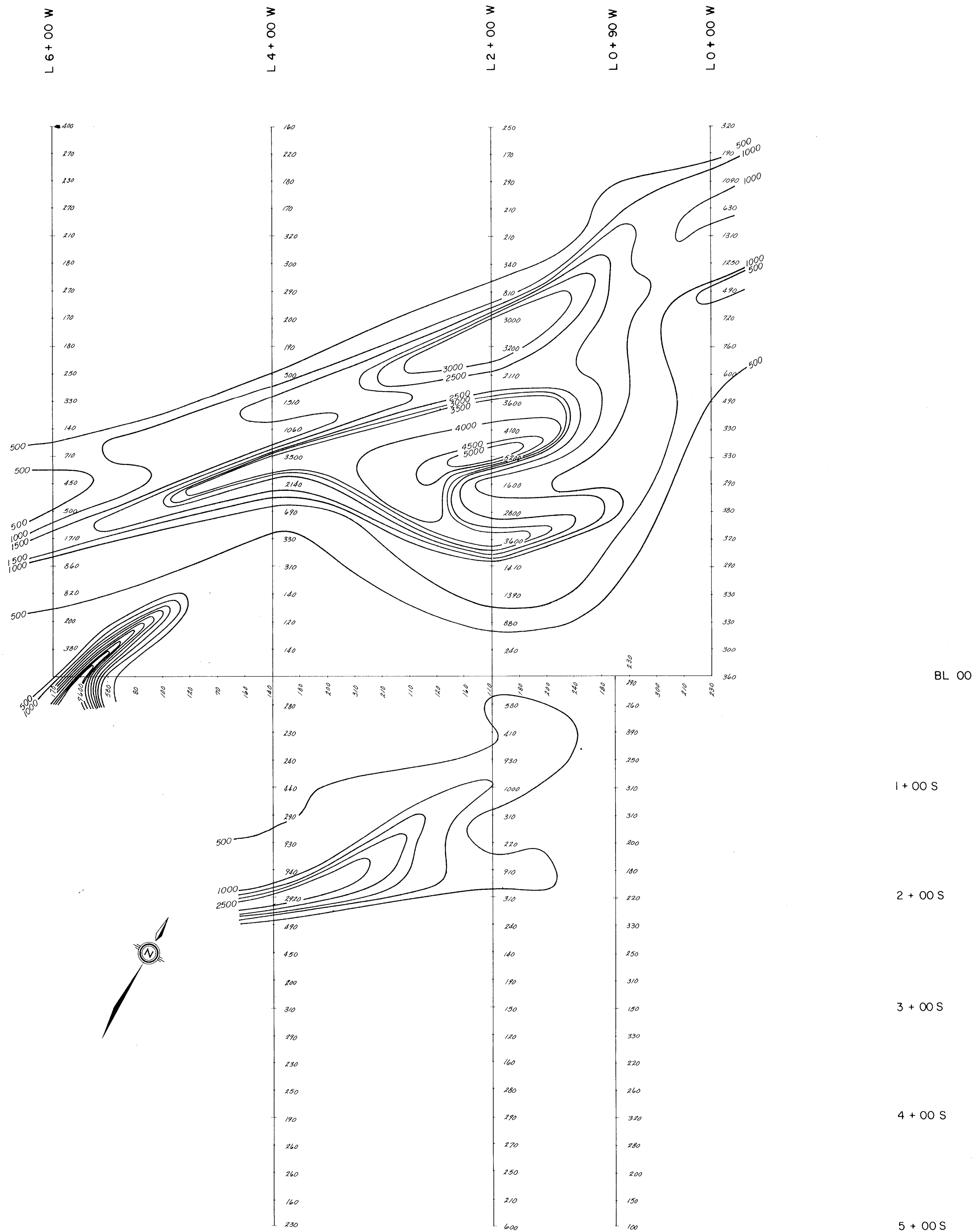
Contour interval: 5,10,20,30,40,50
 100

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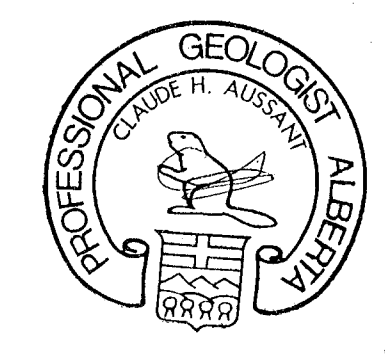
11,536
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WANETA 9 & 10 - GRID	
SOIL GEOCHEMISTRY Au (ppb)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 7



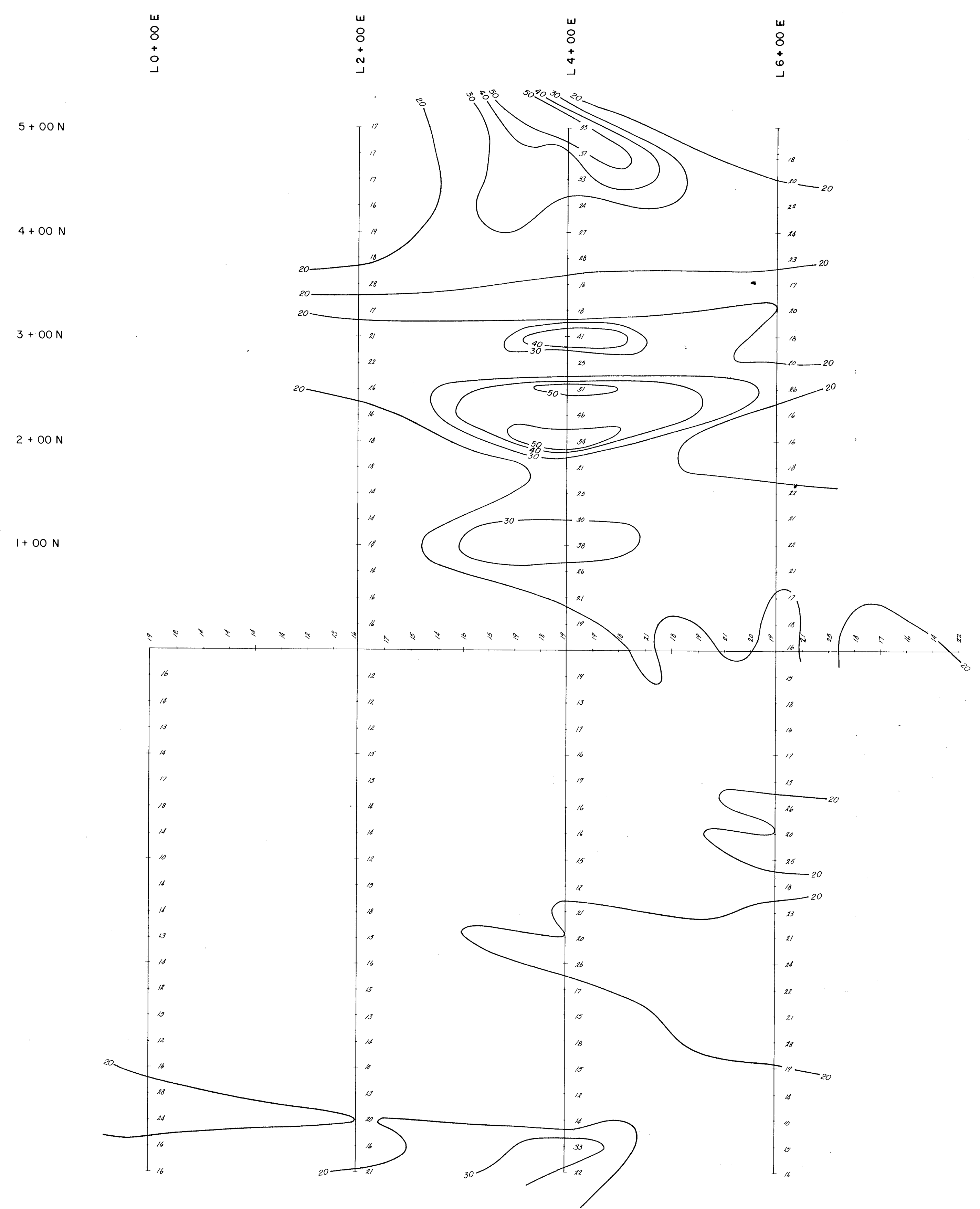
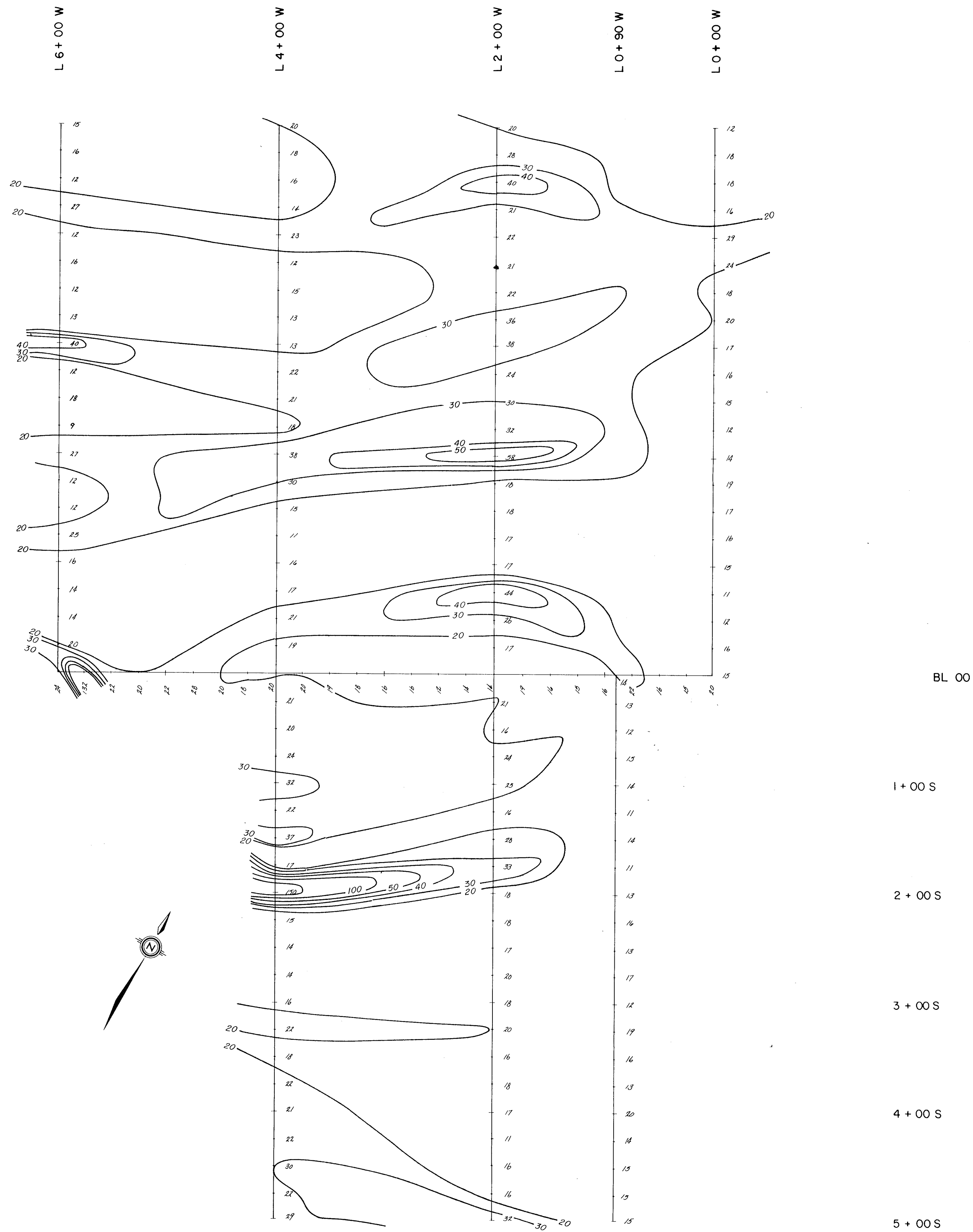
Contour interval: 500 ppm

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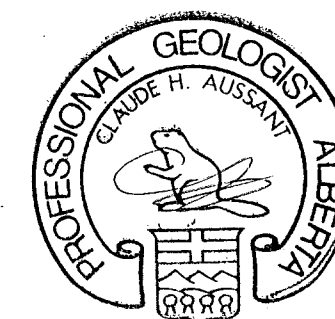
11,536

REX SILVER MINES LTD.	
WANETA 9 & 10 - GRID	
SOIL GEOCHEMISTRY	
Ag (ppb)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 8



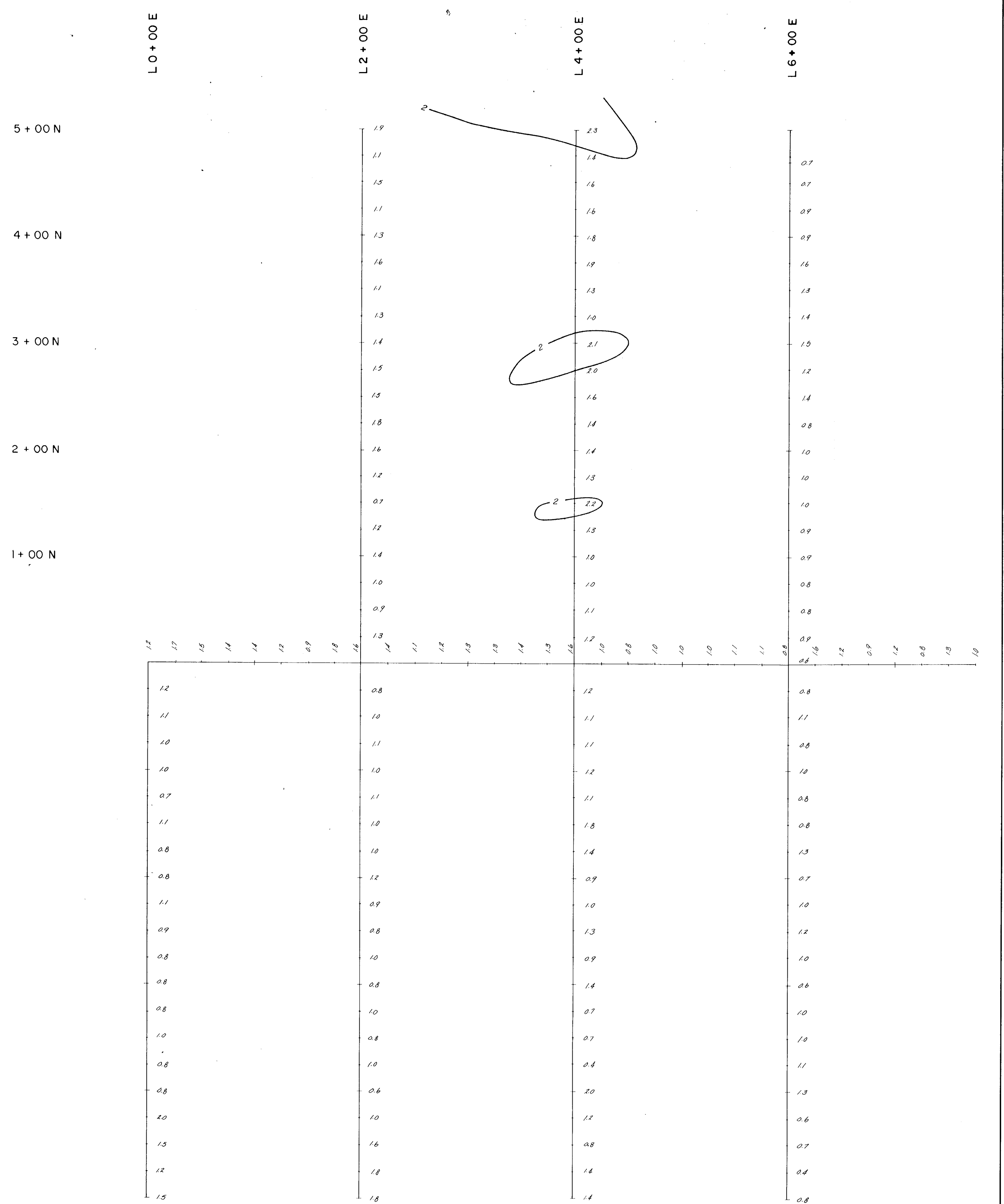
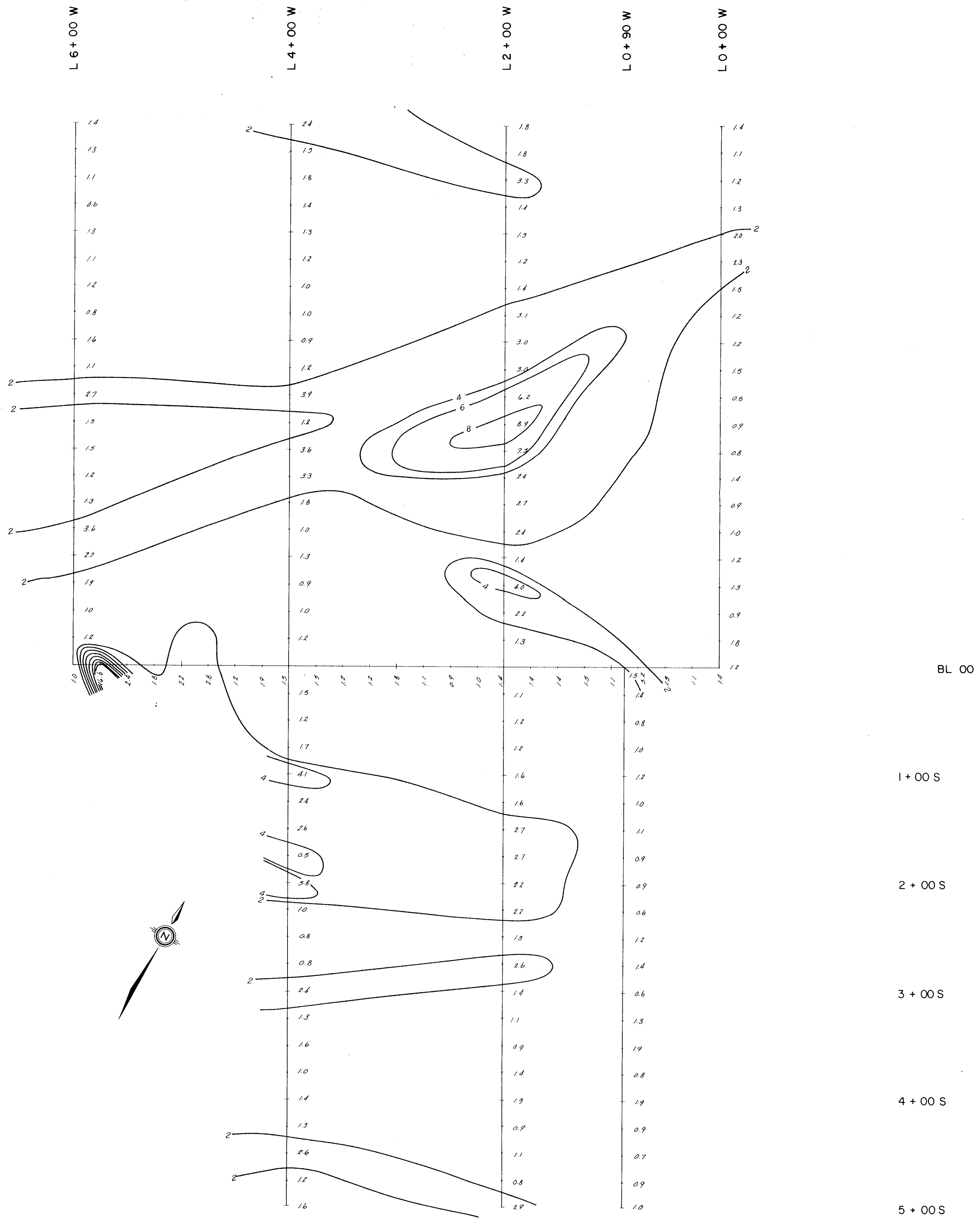
Contour interval: 20,30,40,50,100,150

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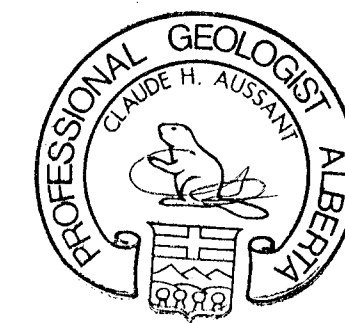
11,536

REX SILVER MINES LTD.	
WANETA 9 & 10 - GRID	
SOIL GEOCHEMISTRY As (ppm)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 9



Contour interval: 2ppm

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REX SILVER MINES LTD.	
WANETA 9 & 10 - GRID	
SOIL GEOCHEMISTRY Sb (ppm)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-5	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 10