

83-#648-11542

1/85

GEOLOGICAL, GEOCHEMICAL, AND GEOPHYSICAL REPORT
on the
ORC 1 - 5 MINERAL CLAIMS
N.T.S. 82F/3
Latitude 49°13' North
Longitude 117°21' 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

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,542

OCTOBER 1983

TABLE OF CONTENTS

Certificate

INTRODUCTION.	1
REGIONAL GEOLOGY.	5
PROPERTY GEOLOGY.	9
ECONOMIC GEOLOGY.	10
EXPLORATION APPROACH - 1983 FIELD PROGRAM	12
"O" GRID.	13
Geochemical Survey; VLF-EM Survey	
"OR" GRID	15
Geochemical Survey; VLF-EM Survey	
PROSPECTING, GEOLOGICAL MAPPING, AND STREAM SILT SAMPLING	17
CONCLUSIONS AND RECOMMENDATIONS	18
Appendix A Sample Descriptions.	20
Appendix B Certificates of Analyses	24
Appendix C Analytical Techniques and Personnel.	39
Appendix D Summary of Expenditures.	45

FIGURES

1 Property Location Map	2
2 Regional Geology Map.	7

TABLES

I Table of Formations	8
II Summary — Arlington Mine	11

MAPS in back pocket

1 Geology	9 "OR" Grid - Zn geochemistry
2 Geology	10 "O" Grid - VLF-EM profiles
3 "OR" Grid - VLF-EM profiles	11 - VLF-EM filtered
4 - VLF-EM filtered	12 - Au geochemistry
5 - Au geochemistry	13 - Ag geochemistry
6 - Ag geochemistry	14 - Cu geochemistry
7 - Cu geochemistry	15 - Pb geochemistry
8 - Pb geochemistry	16 - Zn geochemistry

CERTIFICATE

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

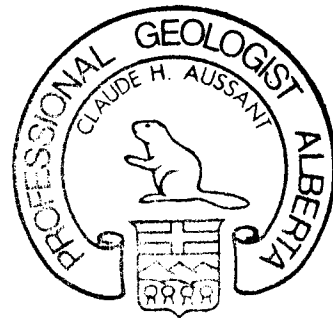
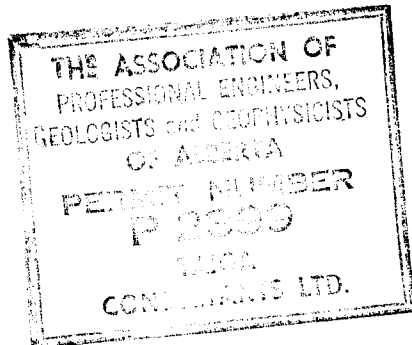
1. I am a consulting Geologist with the firm of Taiga Consultants Ltd., with offices at #100, 1300 - 8th Street S.W., Calgary, Alberta.
2. I am a graduate of the University of Calgary (B.Sc. Geology, 1976).
3. I have practised my profession for seven years since graduation.
4. I am a member in good standing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

Respectfully submitted,



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

October 1983



INTRODUCTION

At the request of Mr. S. J. Stricker, Vice President of Exploration for Rex Silver Mines Ltd., Taiga Consultants Ltd. was contracted to carry out a reconnaissance mineral exploration program on the ORC 1 - 5 mineral claims located northwest of Salmo, British Columbia.

During the period August 5 to 17, 1983, a total of eighteen man days were spent exploring the property. Two separate wide-spaced reconnaissance grids were emplaced, over which soil geochemical and ground VLF-EM surveys were completed.

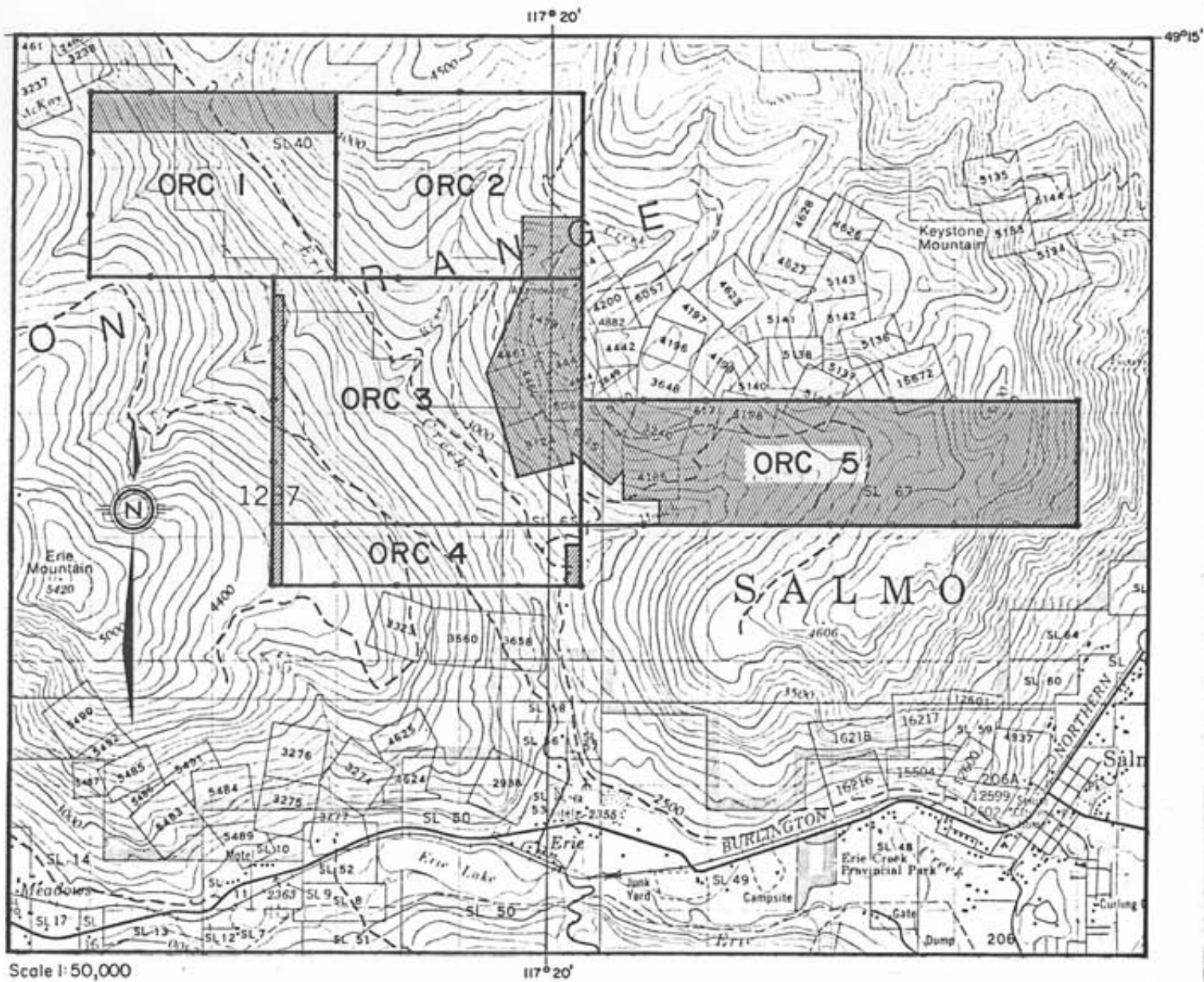
The Arlington Mine and one of the two known workings on the property were visited and grab samples were collected. The other old workings was not located.

The intent of the program was to define the exploration approach best suitable to the examination of the property; to locate mineralization; to sample and map all known mineral occurrences; and thus, to set the stage for further, more detailed exploration.

Location and Access

The location and access to the property are illustrated on Figure 1. The claim group is situated in southern British Columbia, 6 km northwest of the town of Salmo, astride the placer gold producing lower reaches of Erie Creek, at approximately 49°13' North latitude and 117°21' West longitude, in N.T.S. 82F/3, Nelson Mining Division.

Access to the property is via a gravelled logging road from the village of Erie off B.C. Highway 3B. Four-wheel-drive vehicles are not necessary to gain access to the property.




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

Figure 1
PROPERTY LOCATION MAP
ORC 1-5 CLAIMS

Property and Ownership

The property consists of five mineral claims, the ORC 1 to 5, all staked under the modified grid system, and registered in the name of Rex Silver Mines Ltd. The claims are indicated on Figure 1.

<u>Claim Name</u>	<u>Size</u>	<u>No. of Units</u>	<u>Record Number</u>	<u>Date of Record</u>
ORC 1	3 x 4	12	3035	
ORC 2	3 x 4	12	3036	
ORC 3	4 x 5	20	3037	April 6, 1983
ORC 4	1 x 5	5	3038	
ORC 5	2 x 8	<u>16</u>	3039	
		65 units		
		(1,625 hectares)		

Portions of all five ORC claims encompass pre-existing mineral claims which are currently in good standing. These areas have been excluded from the ORC claim group and are depicted on Figure 1 by hatchured zones.

Physiography and Glaciation

The claim group is located within the Bonnington Range of the Selkirk Mountains of the Cassiar Columbia Mountains physiographic province. The range is transected by the valley of Beaver Creek which provides access to the Salmo River valley and the town of Nelson.

The southern part of the range, which is underlain by volcanic rocks, contains wooded rounded mountains; but the northern part, which is underlain predominantly by granite, contains higher more serrated peaks.

The claims themselves are situated near the east-central portion of the range, near Keystone Mountain, and are underlain by sedimentary and volcanic rocks. Granitic rocks of the Nelson Batholith occur directly west of the claim group.

Little direct evidence of earlier drainage patterns is apparent in the area, but certain deep valleys culminating in low passes suggest that these may have been major river valleys. Such valleys are those of Beaver

and lower Erie Creeks. It would appear that the drainage pattern was established early, but may have been modified slightly, most probably during Pleistocene time. This drainage is not governed appreciably by geological structures.

Evidence of Cordilleran glaciation in the form of transported material and erratics is found everywhere. The movement of the glacial ice has been recorded by many measurements of glacial striae and roches moutonée. In all cases, the direction of ice movement was southerly. Valley glaciation appears to have been on a small scale and confined to the headwaters of some of the streams rising in the higher elevations.

Much of the claim group is overburden-covered, and overlies the fairly steep slopes of Erie Creek. Exposures are remarkably poor considering the relief and steepness of these slopes. Areas of outcrop tend to be confined to road cuts and along the deep trough-like creeks which drain the property. Elevations within the claim group range from 790 m (2600') along Erie Creek steadily rising to 1370 m (4500') in the outer edges of the property.

At one time, the area was heavily forested with white pine, Douglas fir, spruce, hemlock, and cedar; but forest fires and logging operations have largely obliterated any stands of large trees. Consequently, the claims are covered by a secondary growth of timber and brush.

The climate of the district is pleasant with moderate winters and fairly hot summers. Snow has almost entirely disappeared by the first of June except for small areas on the higher summits, and does not interfere with prospecting until late in October.

Land suited to agriculture is confined to small areas, chiefly in the valley bottoms of the Salmo and Beaver.

REGIONAL GEOLOGY

The oldest rocks in the area are those of the Archibald Formation - Ymir Group (RJA_Y), a thick succession of nonfossiliferous sediments. These are overlain with apparent conformity by predominantly volcanic rocks of the Elise Formation (JE_V), which are in turn overlain by sedimentary rocks of the Hall Formation (mJH_S). The Hall Formation consists primarily of black carbonaceous shales and buff to brown argillaceous sandstone, with minor siltstone and greywacke, plus fairly abundant conglomerates. The conglomerate contains pebbles that resemble Elise lavas, so the contact with the Elise Formation is probably, locally, a disconformity. The argillites commonly contain abundant pyrite, and weather to a rusty colour that is a conspicuous feature of the Hall Formation.

In the area, the above described Rosslund Group volcanic and sedimentary rocks are folded about a 30 km long northward and northwestward trending syncline marked by the outcrop distribution of the Hall Formation. The syncline is paired, to the west by the erosional remnants of an anticline of comparable dimensions.

All the sedimentary and volcanic rocks of the area have been intruded by granitic rocks of the Nelson intrusives (JN). Radiometric ages of the Nelson intrusives indicate a Late Jurassic age with possible plutonic activity extending into the Early Cretaceous.

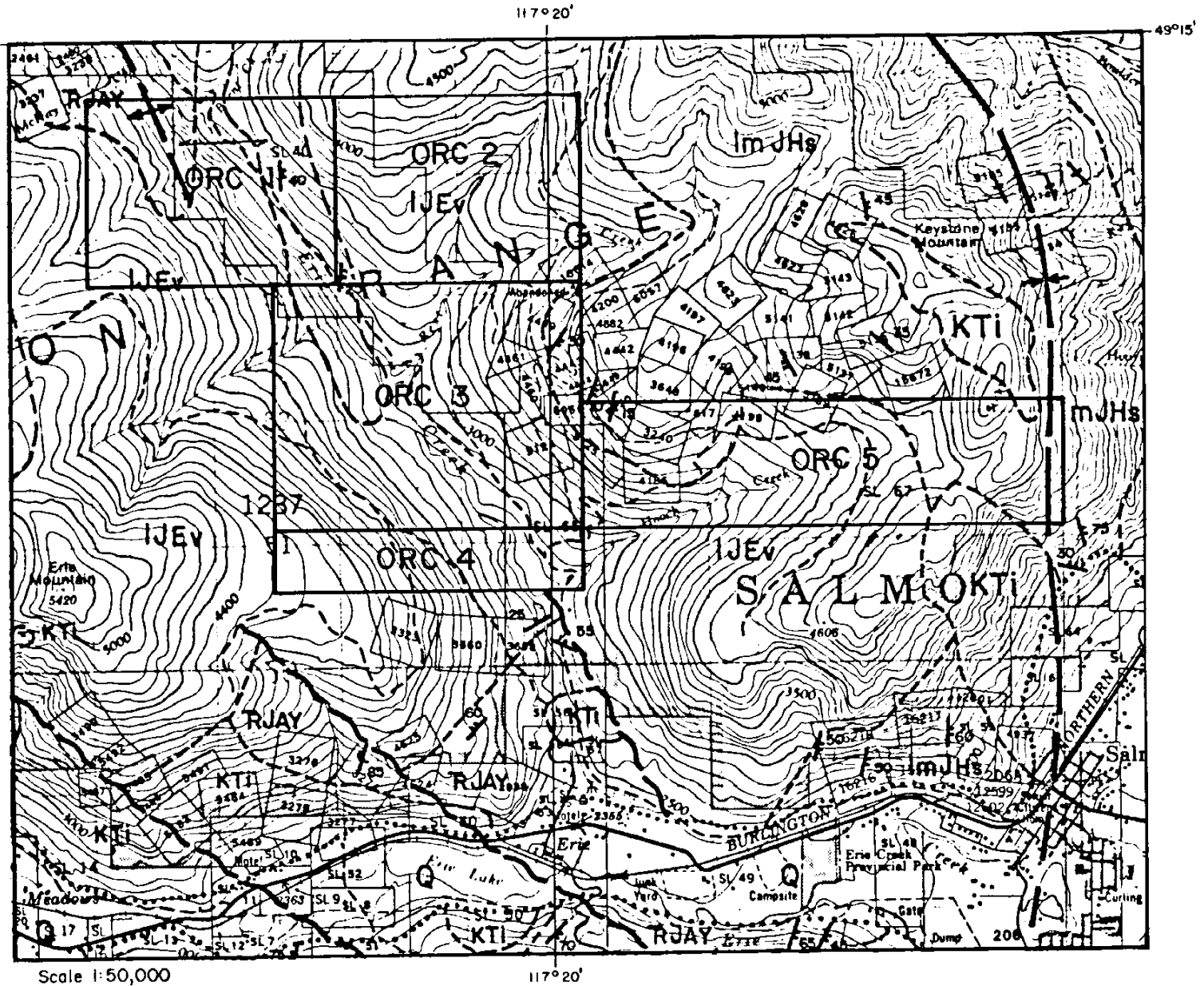
Numerous syenite porphyry, granite porphyry, quartz porphyry, lamprophyre, and aplite dykes of Tertiary age (eK_b) have invaded all of the rocks described above. Some of these cut the vein deposits and some occupy post-mineral faults.

Small bodies of biotite monzonite are scattered throughout the area. These are part of the Coryell Intrusions (eTc) of Middle Eocene age.

Considering the severity of the deformation to which the bedded rocks of the area have been subjected, remarkably few faults on a mappable scale

have been recognized. Small-scale faults have been observed in many places and the abundance of mineralized fissure veins testifies to the presence of others. Both pre- and post-ore faults have been described in many of the mines in the area. It can only be concluded that post-intrusive faulting has been limited to small-scale local movement.

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



Q	Quaternary alluvium and drift
KTi	smaller stocks and minor intrusions; mainly "two-mica" (biotite - muscovite) granites
ImJHs	Hall Fm.; black carbonaceous shale, argillaceous sandstone, minor siltstone, grey-wacke, conglomerate; minor flows or sills
IJEV	Elise Fm.; flow breccia, massive andesites and basalts, agglomerate, tuff, breccia, siltstone
RJAY	Archibald Fm. and YMIR Gp.; tuff. siltstone, arenaceous arg., arg. qtzite; slate, minor limestone and shale

Figure 2
REGIONAL GEOLOGY MAP

Table I. Table of Formations

ERA	PERIOD OR EPOCH	GROUP OR FORMATION	MAP SYMBOL	LITHOLOGY	THICKNESS (metres)		
CENOZOIC	QUATERNARY			Till, sand, gravel, silt			
	ECCENE 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)	2,150-3,000	
			CONFORMABLE(?) AND INTERDIGITATED CONTACT; UNCONFORMABLE ON MOUNT ROBERTS FORMATION				
	Archibald Formation	TRJAY	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, lava 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 ORC 1 - 5 mineral claims are underlain mainly by flows, tuffs, and breccias of the Elise Formation. Sediments of the Hall Formation underlie the eastern edge of the property.

Intercalated sedimentary and volcanic rocks of the Archibald Formation - Ymir Group are exposed along the northwesterly trending axis of an anticline that transects the central part of the property. To the west, the anticline has been obliterated by granitic rocks of the Nelson Batholith.

The property geology is illustrated on Figure 2, and on the accompanying geology maps (1 and 2), which depict the work completed on the property.

ECONOMIC GEOLOGY

The ORC 1 - 5 mineral claims are situated astride the placer gold producing lower reaches of Erie Creek and its tributary Hooch Creek. The claims are in very close proximity to a number of former gold producers including the Gold Hill, the Canadian King, the Keystone, the Second Chance, the Clubine-Comstock, and the Arlington.

A number of old workings are present in the vicinity of the claims. At least two of these have been acquired. They are located along a narrow tongue of the Archibald Formation which is exposed along the core of the anticline transecting the property. The status of these workings is not documented in the available literature.

The Arlington Mine (summarized in Table II) provides a positive indication of the potential of the property.

Exploration targets on the claim group are gold-quartz veins similar to those at the nearby Arlington Mine. There is also the possibility of stratabound gold mineralization near the contact of the Archibald Formation with the Elise Formation, as well as within the tuffaceous beds of the Archibald Formation - Ymir Group.

N.T.S.	MINFILE I.D.	OCCURRENCE NUMBER	NAMES														LAT.	LONG.					
82-F-3W	1144	205	ARLINGTON														4913.6	11719.5					
LOCATION Approximately 5 km NW of Salmo and 2 km north of the confluence of Hooch Creek and Erie Creek, at an elevation of 1,265 m A.S.L.												UTM		ZONE 11U		SQ.ME							
												NORTHING		5452500									
												EASTING		0476300									
METALS	Au	Ag	Cu	Pb	Zn	Fe	Ni	Co	As	Sb	Mo	W	Sn	Cd	Ba	F	HOST UNIT						
	X	X		X	X													ImJH ₅					
DESCRIPTION																							
<p>Galena, pyrite and sphalerite occur in a quartz gangue in a quartz vein varying in width from several centimeters to 1.5 m, averaging about .6 m. The vein is relatively flat-dipping and closely follows a porphyritic granitic sill which alternately forms the footwall and hanging wall to the vein. The enclosing argillites and argillaceous quartzites of the Hall Formation strike northerly through to about N30°E and exhibit gentle (10°-30°) dips to the east.</p> <p>The vein has been explored and mostly mined out for 457 m along strike, but detailed information about levels and underground workings is lacking, owing to the flat-lying nature of the mineralized zone. Evidently, there are a number of "rolls" in the sedimentary host rocks which have resulted in gentle folds in the vein down-dip, giving rise to local "flats" which might have had some controlling influence on mineralization.</p> <p>Production averaged about 1,000 tons annually from 1900-1913. From 1932 to 1948, the mine was worked in a small way, by hand steel methods, and production averaged a few hundred tons annually. From 1949 to 1970, virtually all production came from the old mine dumps. This material, totalling approximately 53,350 tons (48,412 tonnes), yielded 6,667 oz. (207,333 g) of Au and 25,490 oz. (792,753 g) of Ag for an average of 0.12 oz./ton Au and 0.48 oz./ton Ag.</p>																							
<p>Production Summary (1905-1913, 1932-1970)</p>																							
	Tons <u>Mined</u>	Tons <u>Milled</u>	<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>																	
Metric	69,823	15,182	1,700,339 g	4,334,578 g	520,420 kg	456,920 kg																	
Imperial	76,960	16,700	54,668 oz.	139,362 oz.	1,147,335 lb.	1,007,341 lb.																	
<p>BCDM Open File; GCNL #197, 1979; BCDM MMAR 1899-842; 1900-847; 1902-161; 1903-148; 1904-129,135,142; REFERENCES 1905-168; 1906-150,248; 1907-103,213; 1908-246; 1909-119,272; 1910-107,243; 1911-159,284; 1912-155,322; 1913-131,419; 1927-313; 1928-338; 1932-159,195; 1933-199,236; 1934-A26; 1935-E29,A27,G50; 1936-E47; 1942-27,64; 1943-63; 1944-40; 1945-43,100; 1946-35,145; 1947-162; 1948-133; 1949-167; 1950-123-A51,41,138; 1952-43,146; 1953-45,116; 1954-49,126; 1957-A46,43; 1958-A45,38; 1960-A54; 1961-A49,68; 1962-A49,74; 1963-A49,70; 1964-A55,115; 1965-181; 1966-212; 1967-244, 1968-242; BCDM GEM 1969-318; 1970-441; BCDM Bull. 1-99; GSC Mem. 172-75, 308-174; GSC Map 1091A, 299A, 1956-3</p>																							

EXPLORATION APPROACH - 1983 FIELD PROGRAM

In order to evaluate the property and to set the stage for future exploration, two separate wide-spaced reconnaissance grids were placed on the property.

The first grid (designated the "O" grid) is located south of the Arlington Mine on the ARC 3 and 5 claims, to cover the possible extension of mineralization onto this part of the property. Two east-west grid lines spaced 200 m apart were soil sampled, and a ground VLF-EM survey was completed, both at 25 m station intervals. The grid base line was located along the ORC 3 and 5 common claim line, with cross lines extending 1 km east and 400 m west. The grid lines were flag-and-compass lines. A reconnaissance VLF-EM line was completed over the Arlington Mine and ties to the "O" grid to see what kind of conductive response, if any, could be expected from the mineralization located there.

The second grid (designated the "OR" grid) was placed to cover intercalated sedimentary and volcanic rocks of the Archibald Formation - Ymir Group exposed along the northwesterly trending axis of an anticline that transects the central part of the claims. The grid also covered an area in which some old workings reportedly exist; these old workings were not located, however. The logging road which follows Erie Creek was used as the grid base line, totalling 1400 m, with fourteen cross lines totalling 4.3 line km, spaced at 200 m intervals with 25 m stations. All the grid lines were flag-and-compass lines. A soil geochemical survey and a ground VLF-EM survey were completed over the grid. Any outcrops encountered along the grid lines were mapped and prospected.

The Arlington Mine as well as old workings located on the Gene 1 claim (overlapped by the ORC 5 claim) were briefly examined to determine the significance of this style of vein type mineralization with respect to the current exploration program. One of two known workings on the property was located and sampled.

All samples collected were forwarded to TerraMin Research Labs Ltd. in Calgary, Alberta for analysis of gold, silver, copper, lead, and zinc content. The analytical results are presented in Appendix B.

"O" GRID

Geochemical Survey

A small soil sampling grid, consisting of two cross lines totalling 2.2 line km, was placed south of the Arlington Mine to cover the possible extension of mineralization onto this part of the property.

A total of 90 soil samples were collected and forwarded to TerraMin Research Labs Ltd. in Calgary, Alberta for analyses for gold, silver, copper, lead, and zinc. These analytical results are presented in Appendix B. A series of maps (12 to 16) have been contoured for each of the elements at a scale of 1:2500.

A higher background in gold, lead, and zinc exists in the eastern portion of the grid as compared to the western portion. Backgrounds in the eastern portion of the grid are: Au 20-40 ppb, Pb 40-50 ppm, Zn 550 ppm. Backgrounds in the western part of the grid are: Au <10 ppb, Pb 30 ppm, and Zn 350 ppm. A number of coincident Au/Ag/Cu/Pb anomalous areas were delineated by the survey. Within these areas, gold values ranged up to 264 ppb, with silver to 1240 ppb, copper to 100 ppm, and lead to 183 ppm. No correspondence was noted between anomalous zinc values and the other elements.

VLF-EM Survey

A VLF-EM survey was completed over the grid using a Crone Radem unit, employing Seattle, Washington, as the transmitting station. This survey was carried out using 25 m station intervals along the grid lines. A reconnaissance VLF-EM line was completed over the Arlington Mine to determine the kind of conductive response associated with the mineralization located there; this line was tied to the "O" grid. The results are presented in profile format on Map 10 and in Fraser-filtered contour format on Map 11.

The VLF-EM survey delineated a moderately strong northerly trending conductor (A) near the central portion of the "O" grid. Three north to

northeasterly trending, weakly conductive zones were delineated over the remainder of the grid. The source of these conductors is unknown. There is no correspondence between the geochemically anomalous areas outlined and the VLF-EM conductors delineated.

Four weakly conductive zones were detected on the reconnaissance line completed over the Arlington Mine. A correlation between these conductors and those on the "0" Grid was not possible. The possibility exists that the conductors detected may be associated with the mineralization located at the Arlington Mine. The survey was inconclusive.

"OR" GRID

Geochemical Survey

A small soil sampling grid, totalling 4.3 line km of flag-and-compass cross lines and 1.4 line km of base line, was placed over an area underlain by intercalated sedimentary and volcanic rocks of the Archibald Formation - Ymir Group exposed along the northwesterly trending axis of an anticline that transects the central portion of the claim group.

A total of 165 soil samples were collected and forwarded to TerraMin Research Labs Ltd. in Calgary, Alberta, for analyses for gold, silver, copper, lead, and zinc. These analytical results are presented in Appendix B. A series of maps (5 to 9) has been contoured for each of these elements at a scale of 1:2500.

When contoured, a number of weak north to northwesterly trending geochemical anomalies were outlined for each of the elements. Within these zones, zinc values ranged up to 1100 ppm in a background of 300 ppm. Silver values were very low with only two samples returning results of over 1000 ppb. Likewise, the copper and lead geochemistry was low. A higher lead background is evident over the eastern portion of the grid as compared to the northern and western portions.

Gold values on the whole were very low with only four sample sites returning results greater than 100 ppb. These anomalous samples, however, aligned in two northwesterly-bearing trends with coincident, weakly anomalous copper, lead, and zinc.

One sample site, located on L4+00N,2+00W, returned 1570 ppb Au. A placer origin for this anomaly should be investigated. However, coincident geochemistry in the other elements adds credence to a lode type origin.

VLF-EM Survey

A VLF-EM survey was completed over the grid using a Crone Radem unit employing Seattle, Washington, as the transmitting station. The survey was

carried out at 25 m station intervals along the grid lines. The results are presented in profile format on Map 3 and in Fraser-filtered contour format on Map 4.

A number of discontinuous, weak to moderate, northwesterly trending conductors were delineated by the survey. These conductors may be reflecting geological contacts, or they may be mere slope conductors, an anomaly attributable to the steep terrain over which the survey was conducted.

A coincident VLF-EM conductor and Ag/Cu/Zn anomaly, located on L12N and L14N near the contact of the Archibald Formation with the overlying Elise Formation, deserves closer inspection. This zone is open along strike to the north, and further geological, geophysical, and geochemical grid coverage is required.

PROSPECTING, GEOLOGICAL MAPPING AND
STREAM SILT SAMPLING

The claim group lies adjacent to a number of former gold producers. Considering the close proximity of the claims to these previous producers, any easily found surface mineralization would have been located. Consequently, it was felt that reconnaissance type prospecting of the claim group would have been non-productive.

Any outcrops encountered along the grid lines were mapped, to verify the geology. As well, any old workings were mapped and sampled. Rock samples from these showings were analyzed for gold, silver, copper, lead, and zinc. Sample descriptions and assay results are presented in Appendices A and B respectively.

Two adits are reportedly located along the narrow tongue of the Archibald Formation - Ymir Group which is exposed along the core of the anticline which transects the property. One of these workings is reportedly located near the centre of the area covered by the "OR" grid, along the northeastern bank of Erie Creek. This adit was not located. It may have been buried by the extensive logging activity conducted in this area. Another attempt should be made to re-locate this adit.

The other workings consist of two adits located south of the confluence of Erie Creek and Rest Creek. Grab samples were collected from the workings, brief descriptions of which are presented in Appendix A, along with the directions to the workings. A silt sample collected from a stream which drains the area of these workings returned 372 ppb Au. Detailed sampling of this stream should be undertaken. The adits should be re-examined and mapped, and sampled in detail.

Grab samples were also collected from the Arlington Mine's Troy #1 adit and from old workings located on the Gene 1 mineral claim. Sample descriptions and assay results are presented in Appendices A and B respectively. Sample locations are depicted on the accompanying geology maps (1 and 2) which depict the work completed on the property.

CONCLUSIONS AND RECOMMENDATIONS

Eighteen man days were spent exploring the ORC claim group which is situated in close proximity to a number of former gold producers. The property is underlain mainly by flows, tuffs, and breccias of the Elise Formation. Intercalated sedimentary and volcanic rocks of the Archibald Formation - Ymir Group are exposed along the northwesterly trending axis of an anticline that transects the central part of the property. Two old adits, one on the ORC 1 claim and one on the ORC 3 claim, reportedly exist within the area underlain by this belt of Archibald-Ymir. The nature of the mineralization investigated by these adits is not known and may be of considerable interest due to their location. One of the two workings mentioned above was located but requires further detailed mapping and sampling. An anomalous silt sample was collected near these workings. Systematic sampling of this creek should be undertaken.

A total of 8 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. The first grid ("O" grid) is situated south of the Arlington Mine on the ORC 3 and 5 mineral claims. Semi-reconnaissance VLF-EM surveying was completed over the Arlington Mine and tied to the "O" grid. The second grid ("OR" grid) is located on the ORC 1, 2, and 3 mineral claims, situated over the northwesterly trending anticline that transects the central portion of the property.

On the "O" grid, above-background coincident Au/Ag/Cu/Pb was detected on the eastern portion of the grid. No correspondence exists between this area and any of the VLF-EM conductors delineated.

The reconnaissance VLF-EM line completed over the Arlington Mine proved to be inconclusive. A number of weak conductors were delineated; however, it is not known whether these are related to the underlying mineralization.

On the "OR" grid, a coincident VLF-EM conductor and Ag/Cu/Zn anomaly was detected near the contact of the Archibald Formation - Ymir Group with

the overlying Elise Formation. This zone is open along strike to the north and further geological, geophysical, and geochemical grid coverage is required.

Anomalous gold-in-soils values occur in an area near Erie Creek in a northwesterly trending zone. This area has coincident weakly anomalous copper, lead, and zinc. This zone should be re-examined to determine its significance.

Future exploration of the property should consist of extended geophysical, geological, and geochemical grid coverage to the north, south, and west of the "OR" grid to cover the contact of the Archibald Formation - Ymir Group with the Elise Formation. The old workings located on the ORC 1 and 3 mineral claims should be re-located and mapped, and sampled in detail. The creek draining past the workings located on the ORC 3 claim should be systematically silt sampled. The geochemically anomalous areas delineated on the "O" grid should be investigated.

A P P E N D I X A

Sample Descriptions

Sample

Descriptions

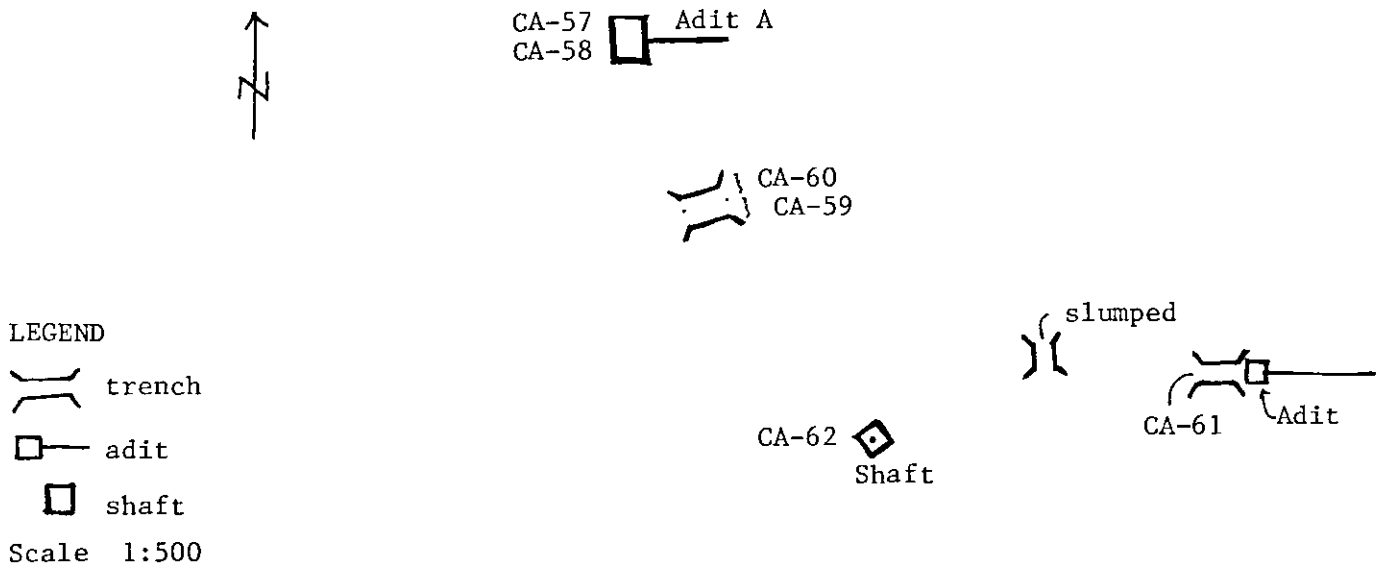
ARLINGTON MINE

- Arlington Grab sample from shear zone below the granite sill.
- Arlington Dump Grab samples collected from the tailings at the Arlington Mine; the sample was of a carbonaceous quartz-rich shear disseminated with pyrite and galena; quartz veining was up to 10 cm wide.

Mineralization at the Arlington Mine was in a shear which occurred either above or below, or both, a granitic sill (lamprophyre dyke?) striking north-south, dipping shallowly eastward. The sill has small rolls in it, but is generally flat-lying. The shear is composed of a biotite schist-quartz stockwork mineralized with pyrite, chalcopyrite, pyrrhotite, and galena. Minor malachite staining was noted on fracture surfaces in the quartz veins. The country rocks are argillites and hornfels.

ORC 5

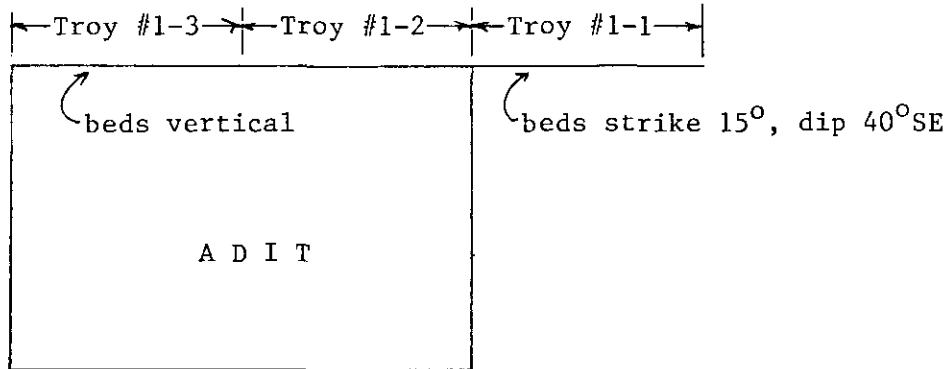
- CA-57 Shear zone below granitic sill (lamprophyre dyke) at Adit A; sample was collected across a one-metre interval.
- CA-58 Granite sill (lamprophyre dyke); sample was collected across a one-metre interval; the sill or dyke is two metres wide, cropping out in dark grey argillites; the dyke strikes north-south and dips 34°E.
- CA-59 Very rusty dark grey argillite; sample collected across a two-metre interval (southeast side of trench).
- CA-60 Dark grey argillite, not as rusty as CA-59; sample collected across a two-metre interval (northeast side of trench).
- CA-62 Grab sample from the tailings at the shaft, dark grey hornfels streaked with pyrrhotite; hornfels are sheared and graphitic, i.e., the shear zones of both the Arlington and the above workings located on Orc 5 are very graphitic, consequently a good conductive response should be associated with this shear.



TROY #1 ADIT

Adit located on the Arlington Crown grants. Chip samples were collected across the mouth of the adit. Chip samples were collected from east to west at roughly 2 m intervals.

- Troy #1-1 0-2m East edge of adit.
- Troy #1-2 2-4m To centre of adit; small fold axis in centre of adit.
- Troy #1-3 4-6m West edge of adit.



The shaft was dug into thin-bedded shaly argillite containing siliceous layers. The ore was in a buff-coloured quartzite disseminated with pyrite and in a quartz stockwork in the argillite.

ERIE CREEK WORKINGS

- MO-83-192 Very rusty calcareous argillite.
- MO-83-193 Very rusty calcareous argillite; grab sample from shear zone at the adit.
- MO-83-194 Sheared and banded argillite disseminated with pyrite and pyrrhotite; graphitic; grab sample from the tailings.
- MO-83-194A Fine-grained diorite containing blebs and streaks of pyrrhotite; grab sample from the tailings.

The adit and shaft at the workings were caved and filled with water. The adit trends at 340° ; the argillite strikes 145° , dips 45°W ; main fractures strike 65° , dip 40°W and strike 90° , dip 26°W and strike 170° , dip 45°W and strike 50° , dip 44°W .

DIRECTIONS TO THE ERIE CREEK WORKINGS

"The other working consists of two adits located approximately 300 m south of Erie Creek, across from Rest Creek along the north side of a small un-named creek which flows into Erie Creek. To get to the workings, follow a well-travelled and flagged footpath to some old cabins, cross Erie Creek, and follow a small creek which flows into Erie Creek approximately west of Rest Creek. Cross a logging road and follow the creek approximately 100 m farther upslope. The adits are located on the north side of the creek."

A P P E N D I X B

Certificates of Analyses



TERRAMIN RESEARCH LABS LTD.

Rock Samples
and
Stream Silt Samples

ANALYTICAL REPORT

Job # 83-292

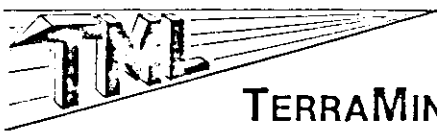
Taiga Consultants

Date Oct.18, 1983

Client Project BC-83-2 "ORC" Claims

Page 1/3

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"ORC" TROY 1-1 ✓	12	420	36	9	90
1-2 ↓	36	750	18	45	40
1-3 ✓	100	1100	32	79	126
CA - 57 ✓	12	6500	79	940	1190
58 ✓	-2	210	11	28	610
59 ✓	10	450	69	18	70
60 ✓	8	340	35	8	126
62 ✓	18	1420	250	33	119
MO - 83 ✓ 185-Troy / Dump	128	480	25	198	114
192 ✓	4	300	41	30	59
193 ✓	8	480	56	25	157
194 ✓	-2	260	57	12	121
194 A ✓	-2	200	58	15	75
Arlington ✓	8100	39000	900	4000	6000
Arlington Dump ✓	19500	78000	1430	23000	28000
MO-83-30 S Silt ✓	372	340	70	35	129



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

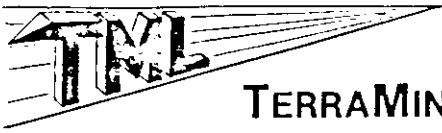
Job # 83-239

Date

Client Project BC-83-2

Page 31/31

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
TTW 18	2	90	16	12	60
TT-M-30 S	4	160	63	18	114
TT-M-39 S	20	200	37	3	60
<u>TT-OR-44 Silt</u>	8	160	56	37	118
TT-B 25	8	680	130	41	600



TERRAMIN RESEARCH LABS LTD.

"OR" Grid
Soil Samples

ANALYTICAL REPORT

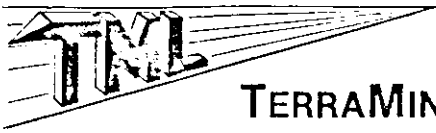
Job # 83-239

Date

Client Project BC-83-2

Page 18/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 14 N 0+50 E	-2	350	63	15	168
0+75	-2	320	68	14	184
1+00	-2	340	60	16	172
1+25	8	280	59	15	170
1+50	-2	250	54	20	198
1+75	2	280	97	26	230
2+00	-2	1080	106	35	630
2+25	-2	390	92	28	400
2+50	12	450	61	20	210
2+75	8	500	128	27	145
3+00	44	300	70	25	280
3+25	-2	460	78	30	260
3+50	-2	500	42	21	360
3+75	-2	270	80	18	164
4+00	10	290	73	22	154
4+25	-2	390	51	30	199
4+50	-2	430	33	34	290
4+75	-2	330	41	56	390
5+00	2	360	38	71	500
L 12 N BL	2	440	77	29	197
0+25 E	-2	420	56	28	194
0+50	-2	380	92	30	250
0+75	-2	450	75	30	350
1+00	6	520	70	47	430
1+25	2	210	78	28	230



ANALYTICAL REPORT

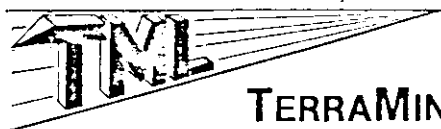
Job # 83-239

Date

Client Project BC-83-2

Page 19/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 12 N 1+50 E	-2	240	52	32	360
1+75	-2	280	61	30	1110
2+00	-2	400	67	43	600
2+25	4	330	78	35	260
2+50	2	410	73	78	560
2+75	-2	470	83	100	390
3+00	-2	430	43	45	260
3+25	2	430	50	35	191
3+50	2	320	73	31	179
3+75	-2	500	50	51	310
4+00	-2	350	47	53	350
4+25	12	320	46	54	350
4+50	-2	450	47	50	320
4+75	-2	540	51	60	360
5+00	2	350	52	56	420
L 10 N 2+00 W	4	90	20	17	86
1+75	42	450	68	26	300
1+50	32	300	54	25	220
1+25	4	230	62	28	135
1+00	-2	160	35	20	146
0+75	-2	240	37	27	180
0+50	-2	140	53	33	185
0+25	12	210	52	36	210
BL - (1)	14	260	44	50	195
BL (2)	-2	280	70	46	250



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

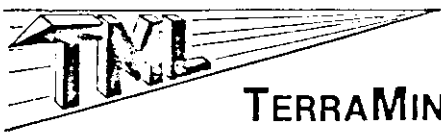
Job # 83-239

Date

Client Project BC-83-2

Page 20/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 10 N 0+25 E	2	360	57	55	400
0+50	4	380	40	106	680
0+75	2	320	47	53	550
1+00	2	340	55	45	480
1+25	-2	260	51	48	480
1+50	2	320	66	64	280
1+75	2	350	56	52	250
2+00	-2	270	42	38	240
2+25	2	390	75	46	240
2+50	-2	350	49	43	280
2+75	-2	310	51	36	240
3+00	-2	380	40	48	290
3+25	2	800	70	46	320
3+50	-2	590	52	57	350
3+75	2	520	60	49	290
4+00	-2	570	56	50	310
L 8 N 1+75 W	18	200	41	24	120
1+50	12	330	61	27	240
1+25	8	730	130	33	510
1+00	4	260	54	40	450
0+75	2	220	42	32	500
0+50	4	280	56	42	680
0+25	10	300	54	33	410
BL	4	400	62	60	330
0+25 E	6	380	39	84	430



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

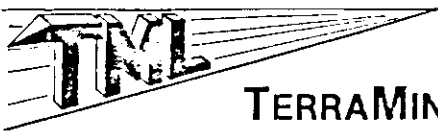
Job # 83-239

Date

Client Project BC-83-2

Page 21/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 8 N 0+50 E	4	360	52	57	360
0+75	6	270	38	50	260
1+00	6	370	51	43	360
1+25	-2	450	79	45	280
1+50	2	520	60	43	280
1+75	8	800	100	37	240
2+00	-2	480	82	54	340
2+25	2	280	80	52	270
2+50	2	830	66	104	340
2+75	6	250	52	42	270
3+00	4	1040	100	96	360
L 6 N 1+75 W	12	200	57	40	124
1+50	6	240	60	45	185
1+25	8	180	56	32	158
1+00	4	250	64	36	160
0+75	4	210	40	38	270
0+50	4	250	41	38	189
0+25	6	370	74	48	210
0+75 E	2	440	48	50	220
1+00	4	330	48	46	220
1+25	4	300	38	69	240
1+50	2	360	39	46	240
1+75	6	450	50	39	220
2+00	2	400	52	39	220
2+25	2	400	30	40	300



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

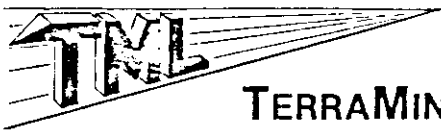
Job # 83-239

Date

Client Project BC-83-2

Page 22/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 6 N 2+50 E	-2	540	30	37	330
2+75	-2	430	41	44	320
3+00	-2	450	36	58	320
L 4 N 4+00 W	20	290	31	23	230
3+75	6	310	29	20	179
4+50	4	280	17	39	120
3+25	-2	320	23	25	187
3+00	2	380	55	20	171
2+75	10	290	42	34	137
2+50	14	250	28	20	125
2+25	12	120	28	13	83
2+00	1570	420	82	15	80
1+75	8	240	42	35	240
1+50	4	180	25	36	260
1+25	6	290	33	26	160
1+00	36	230	36	20	85
0+75	4	160	38	18	120
0+50	2	550	49	21	780
0+25 E	-2	820	26	70	1100
0+50	-2	180	46	56	320
0+75	-2	430	37	51	270
1+00	-2	190	39	60	230
1+25	-2	330	34	63	200
1+50	-2	310	32	45	260
1+75	2	470	27	35	270



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

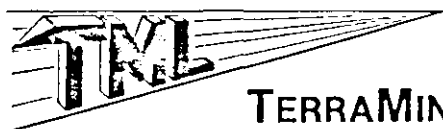
Job # 83-239

Date

Client Project BC-83-2

Page 23/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 4 N 2+00 E	14	560	48	43	198
2+25	-2	310	26	31	260
2+50	-2	390	34	32	188
2+75	-2	270	35	33	240
3+00	2	480	32	30	210
L 2 N 4+00 W	-2	180	18	12	94
3+75	28	170	15	10	70
3+50	2	180	34	17	107
3+25	8	230	16	20	220
3+00	-2	280	16	20	171
2+75	4	120	31	22	107
2+50	226	320	29	23	150
2+25	126	180	20	16	58
1+75	6	480	56	34	186
1+50	8	90	40	26	87
1+25 (1)	6	370	44	22	125
1+25 (2)	14	200	26	28	188
1+00	8	150	18	16	135
0+75	2	200	19	25	161
0+50	4	300	54	29	220
0+25	6	290	60	73	280
BL	24	910	96	62	210
0+25 E	4	330	75	48	270
0+50	4	310	44	63	290
0+75	4	330	31	35	280



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

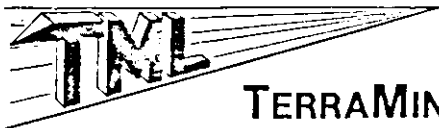
Job # 83-239

Date

Client Project BC-83-2

Page 24/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" L 2 N 1+00 E	4	250	24	37	200
1+25	-2	410	27	43	330
1+50	8	630	62	29	167
1+75	8	310	42	29	210
2+00	8	170	44	40	168
BL 5+00 W	-2	350	38	46	300
4+75	-2	290	165	20	145
4+50	122	160	36	31	185
4+25	4	300	45	30	320
4+00	6	240	111	15	165
3+75	6	70	35	13	72
3+50	-2	160	21	40	146
3+25	-2	360	21	25	188
3+00	-2	400	22	27	182
2+75	88	130	31	21	92
2+25	2	360	47	26	115
2+00	-2	230	38	30	178
1+75	12	110	17	21	164
1+50	8	90	18	20	187
1+25	2	100	19	22	123
1+00	2	120	29	31	150
0+75 (1)	-2	160	28	30	132
0+75 (2)	-2	240	32	37	210
0+50 (1)	8	90	62	50	133
0+50 (2)	2	200	26	20	91



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

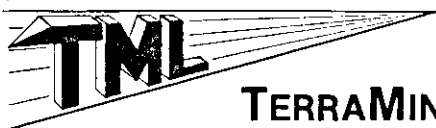
Job # 83-239

Date

Client Project BC-83-2

Page 25/31

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
"OR" BL 0+25 W	-2	140	35	33	163
0+00	4	180	38	50	176



TERRAMIN RESEARCH LABS LTD.

"0" Grid
Soil Samples

ANALYTICAL REPORT

Job # 83-293

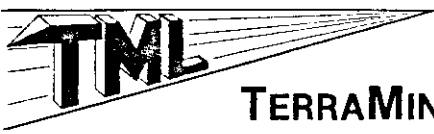
Taiga Consultants

Date Nov. 2, 1983

Client Project BC-83-2

Page 1/4

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
BL 0+00 4+00 W	-2	470	30	25	330
3+75	46	500	29	24	340
3+50	8	440	48	36	510
3+25	2	950	61	29	310
3+00	2	470	35	29	430
2+75	-2	950	59	29	350
2+50	6	1010	58	28	350
2+25	8	670	47	27	380
2+00	4	540	32	27	410
1+75	6	520	38	31	410
1+50	6	480	48	26	380
1+25	2	630	41	33	380
1+00	22	480	40	40	320
0+75	8	270	35	36	360
0+50	28	540	34	38	480
0+25	30	420	54	37	300
0+00	8	340	37	59	450
0+25 E	20	430	61	62	340
0+50	22	550	64	45	290
0+75	16	650	68	37	280
1+00	20	420	81	50	320
1+25	10	370	44	37	400
1+50	92	450	36	46	520
1+75	44	450	52	66	570
2+00	96	720	64	77	470



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

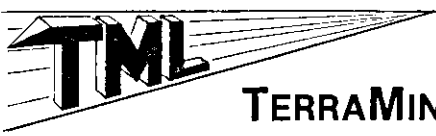
Job # 83-293

Date

Client Project BC-83-2

Page 2/4

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
BL 0+00 2+25 E	44	730	33	90	520
2+50	32	640	24	56	880
2+75	202	1280	89	131	600
3+00	24	680	29	74	1230
3+25	82	760	55	115	890
3+50	24	880	25	53	1150
3+75	96	720	68	116	580
4+00	48	680	79	50	630
4+25	28	400	83	42	740
4+50	52	500	69	46	860
4+75	24	480	84	40	730
5+00	88	1240	98	53	530
5+25	64	220	76	44	610
5+50	264	910	73	183	420
5+75	98	510	67	46	580
6+00	30	590	62	43	500
6+25	16	480	34	41	590
6+50	96	640	36	46	510
6+75	8	290	40	24	330
7+00	16	480	48	37	270
BL 2+00 N 4+00 W	4	420	40	20	250
3+75	-2	530	46	26	290
3+50	4	490	36	24	340
3+25	-2	320	32	26	330
3+00	-2	320	40	37	290



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

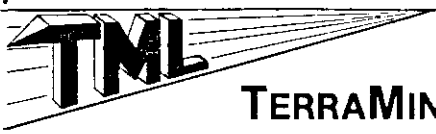
Job # 83-293

Date

Client Project BC-83-2

Page 3/4

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
BL 2+00 N 2+75 W	8	400	75	23	134
2+50	2	400	56	24	280
2+25	-2	310	44	33	320
2+00	-2	450	84	28	270
1+75	4	510	50	28	270
1+50	4	400	43	42	330
1+25	6	390	65	31	260
1+00	14	280	44	41	320
0+75	2	360	46	32	310
0+50	32	370	82	103	280
0+25	-2	390	34	40	350
BL 2+00 N 0+00	2	440	51	50	350
0+25 E	6	530	52	38	420
0+50	12	370	74	79	390
0+75	6	560	63	43	320
1+00	4	370	76	40	340
1+25	42	280	77	35	250
1+50	8	430	66	60	290
1+75	2	450	67	45	320
2+00	24	350	91	19	130
2+25	36	490	88	46	310
2+50	28	390	59	59	510
2+75	194	490	43	74	530
3+00	92	700	66	75	440
3+25	60	670	100	83	480



TERRAMIN RESEARCH LABS LTD.

ANALYTICAL REPORT

Job # 83-293

Date

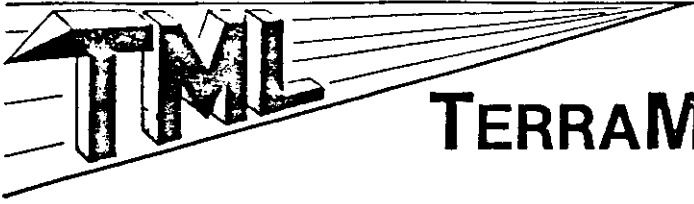
Client Project BC-83-2

Page 4/4

Sample No.	Au ppb	Ag ppb	Cu ppm	Pb ppm	Zn ppm
BL 2+00 N 3+50 E	78	610	96	80	420
3+75	42	460	52	63	440
4+00	22	420	41	55	650
4+25	22	460	23	41	490
4+50	58	660	47	57	460
4+75	112	1100	83	76	520
5+00	112	760	79	76	490
5+25	52	480	60	77	530
5+50	42	490	51	60	510
5+75	26	630	54	53	590
6+00	70	390	52	58	410
6+25	48	700	56	50	400
6+50	28	570	31	52	600
6+75	30	630	37	50	610
7+00	24	580	30	46	620

A P P E N D I X C

Analytical Techniques
and
Personnel



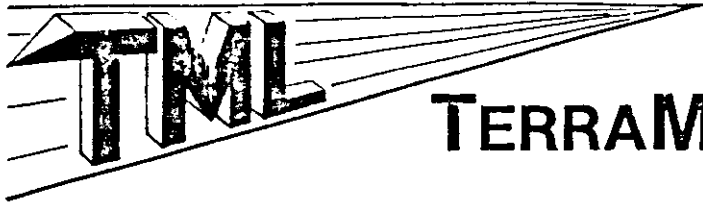
TERRAMIN RESEARCH LABS LTD.

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).

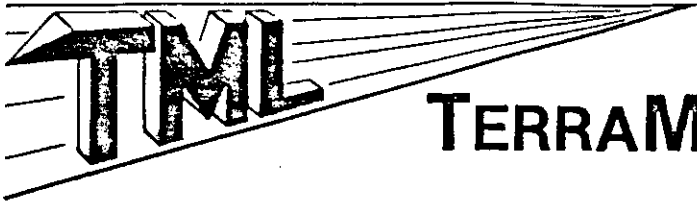


TERRAMIN RESEARCH LABS LTD.

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.

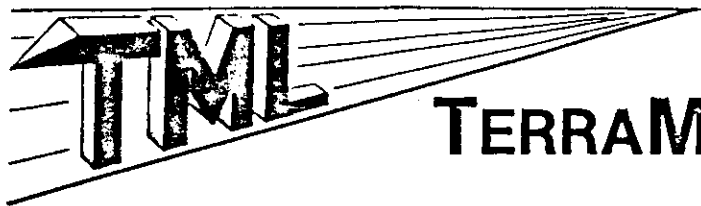
14-2235 - 30th Avenue N.E. Calgary, Alberta T2E 7C7
(403) 276-8668

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

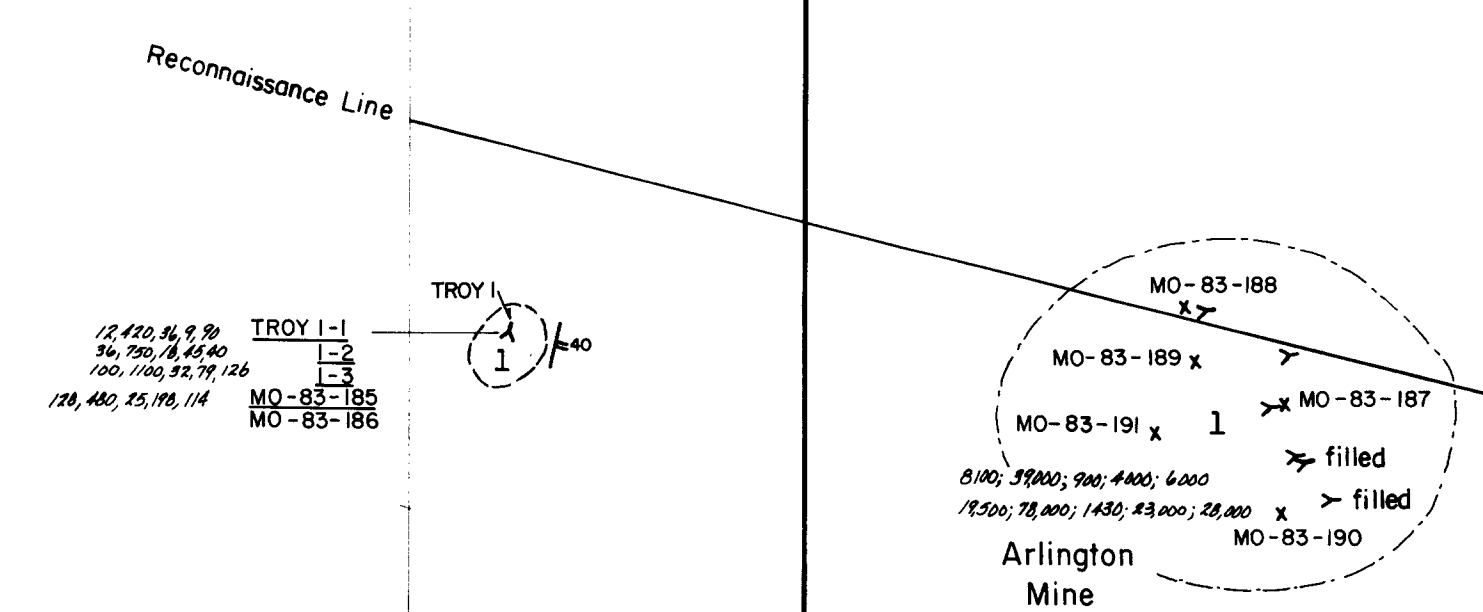
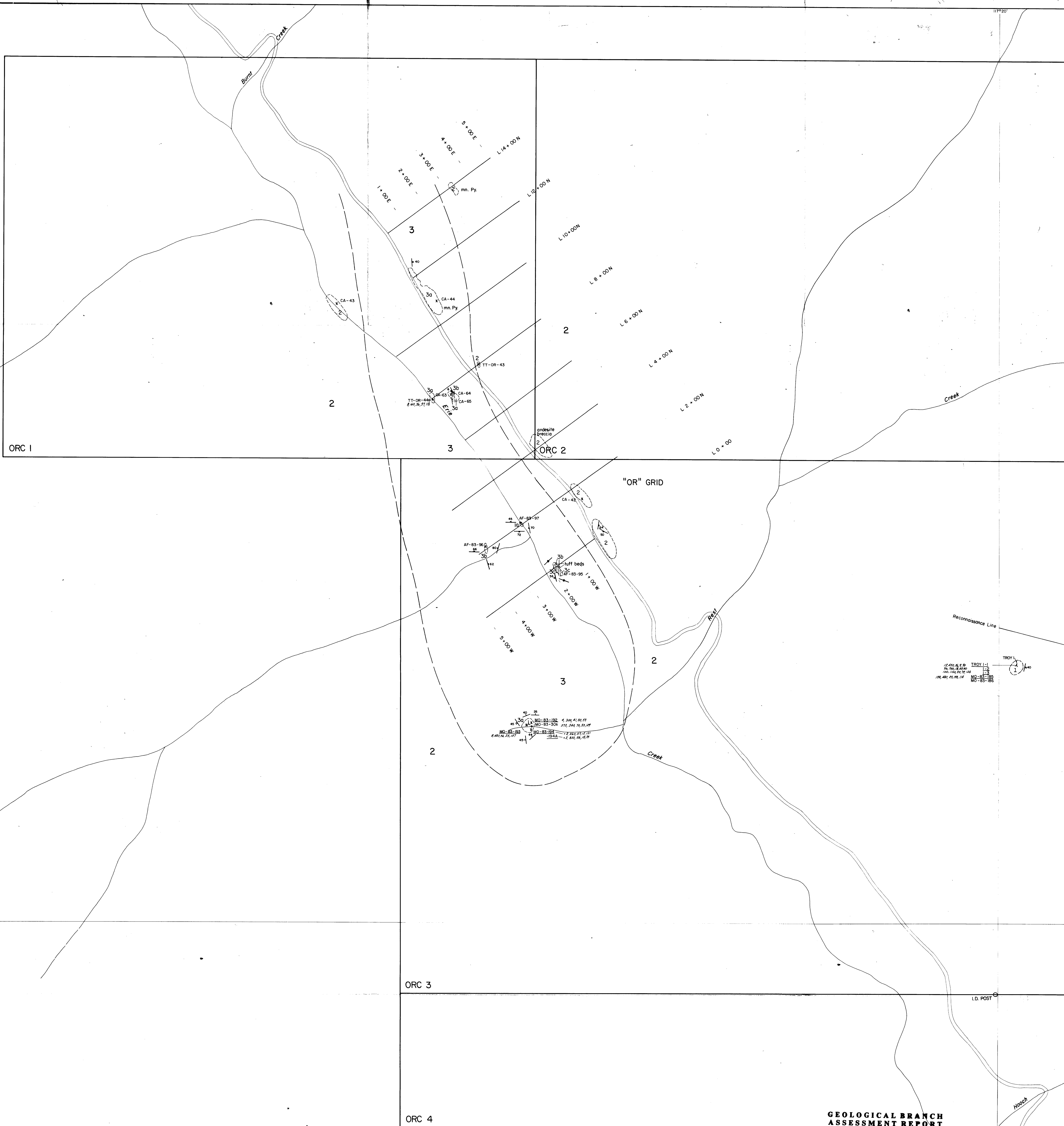
<u>Name</u>		<u>Dates Worked</u>	
Claude H. Aussant, P.Geol.	31 Templebow Way N.E. Calgary, Alberta	Aug. 5,8,17	3 days
Megan O'Donnell	223 Trelawn Avenue Oakville, Ontario	Aug. 8,9,10	3 days
Tim Termuende	Wildhorse Farm Fort Steele, B.C.	Aug. 6,8,9,16	4 days
Alex Francoeur	6132 Beaver Dam Way N.E. Calgary, Alberta	Aug. 8,9,16,17	4 days
Brenda Gregoire	#201, 823 - 19th Ave. S.W. Calgary, Alberta	Aug. 9,16	2 days
D'Arcy Lincoln	#201, 823 - 19th Ave. S.W. Calgary, Alberta	Aug. 9,16	2 days
			<hr/> 18 days

A P P E N D I X D

Summary of Expenditures

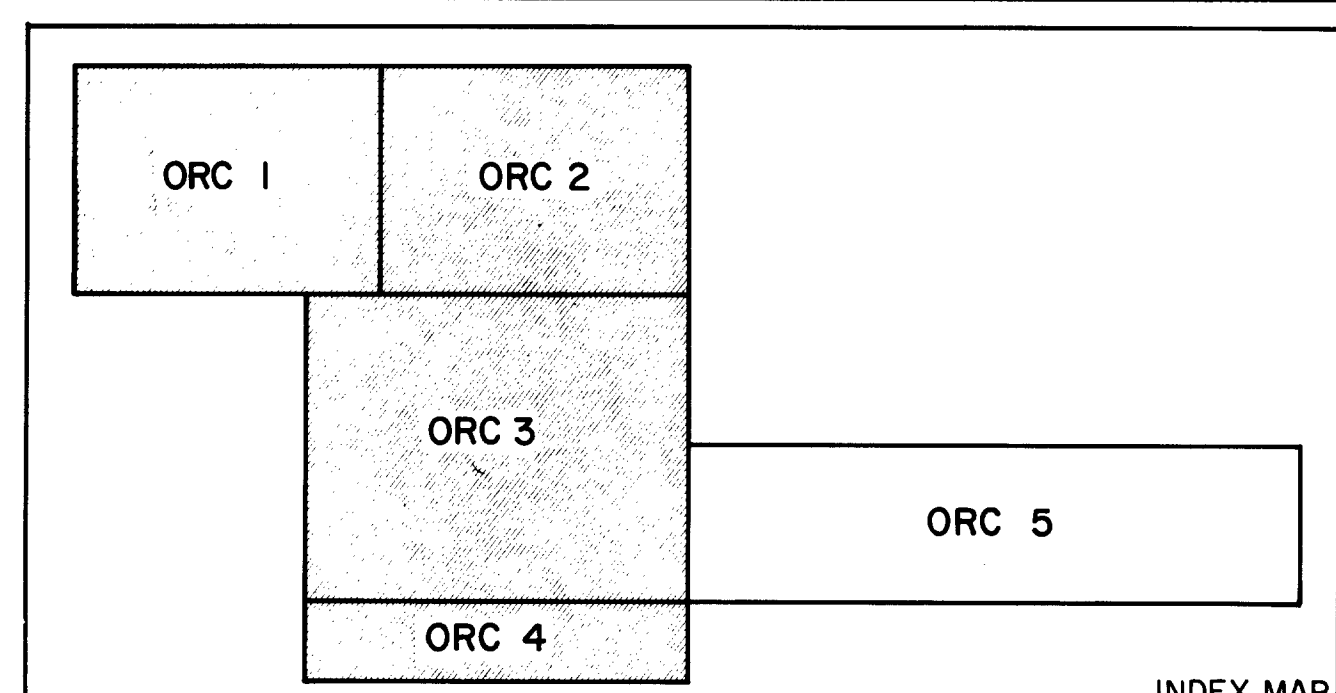
SUMMARY OF EXPENSES
 ORC 1-5 Mineral Claims
 Nelson Mining Division
 BRITISH COLUMBIA

PRE-FIELD PREPARATION		540.00
<u>Field Personnel</u>		
Project Geologist	3 days @\$250 diem	750.00
Senior Prospector	2 days @\$175 diem	350.00
Junior Prospector	13 days @\$165 diem	<u>2,145.00</u>
		3,245.00
<u>Transportation and Travel</u>		
Fuel & Travel expenses		388.44*
4 x 4 Truck rental	5½ days @\$75 diem	412.50
3/4 ton van	3 days @\$45 diem	<u>135.00</u>
		935.94
<u>Equipment Rental</u>		
VLF-EM 16	5 days @\$15 diem	75.00
		75.00
<u>Field Accommodations</u>		
Food & Lodging	18 man days @\$40 diem	720.00
Disposable supplies		<u>66.08*</u>
		786.08
<u>Geochemical Analysis</u>		
267 Soil samples analyzed for		
Au, Ag, Cu, Pb, Zn @9.80		2,616.60
15 Rock samples analyzed for		
Au, Ag, Cu, Pb, Zn @11.95		179.25
2 Silt samples analyzed for		
Au, Ag, Cu, Pb, Zn @9.80		<u>19.60</u>
		2,815.45*
<u>Miscellaneous</u>		
Maps, publications, reproduction		486.73
Telephone, courier & freight		<u>36.93</u>
		523.66*
<u>Post-Field Compilation</u>		
Report writing, data compilation		2,662.50
Drafting & secretarial		<u>1,156.44</u>
		3,818.94
<u>*Handling Charge on all third-party expenditures @12% of 3793.63</u>		
		<u>455.24</u>
	TOTAL	<u>\$13,195.31</u>



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,542



- 1 Hall Formation, argillite
 - 1a hornfels
 - 2 Elise Formation: andesite, flow breccia, augite porphyry
 - 3 Archibald Formation
 - 3a argillite
 - 3b tuff
 - 3c argillaceous quartzite
- approximate geologic contact
 - bedding
 - jointing
 - adit
 - shaft
 - x silt sample location
 - o rock sample or description location
- 8,902.58, 77.08 rock/silt sample results
 Au (ppb), Ag (ppb), Cu (ppm),
 Pb (ppm), Zn (ppm)

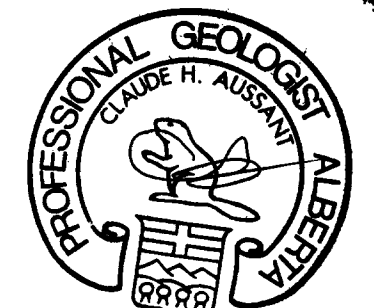
REX SILVER MINES LTD.

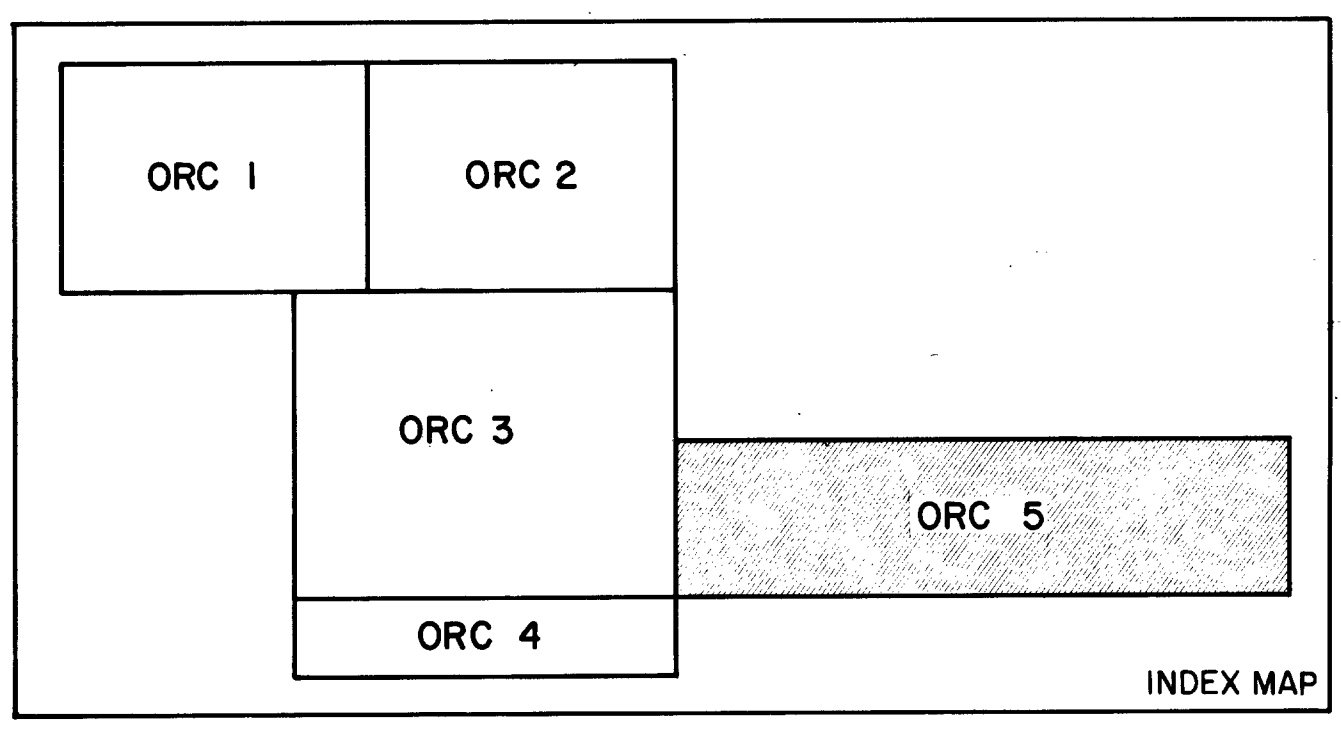
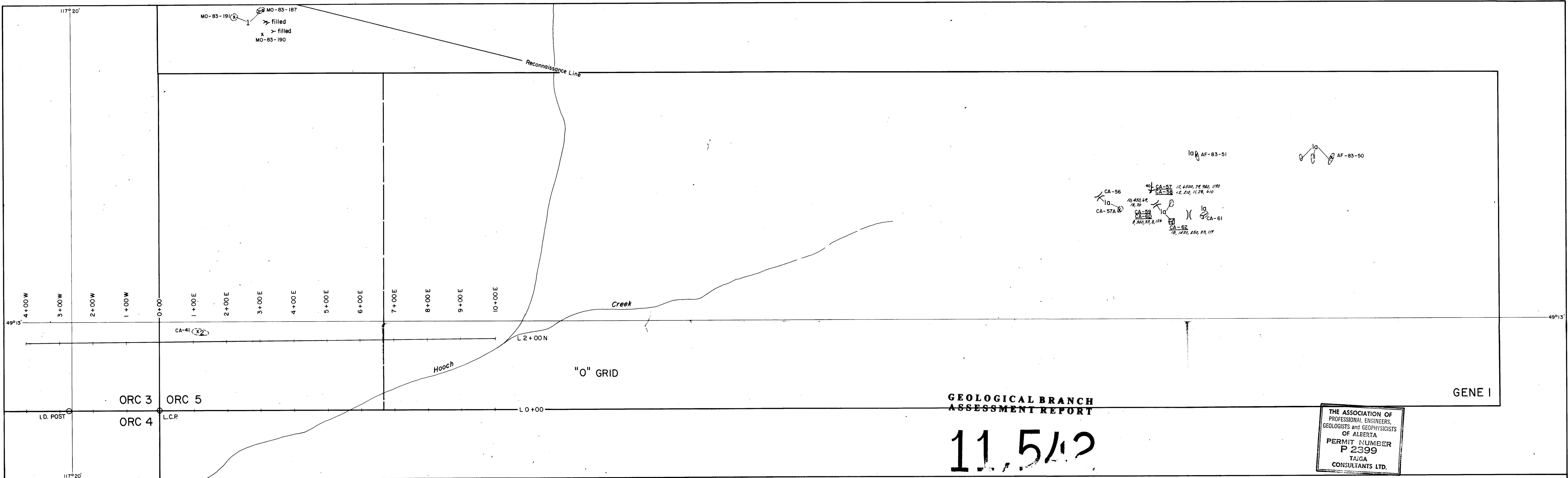
ORC 1-5 CLAIMS

GEOLOGY MAP

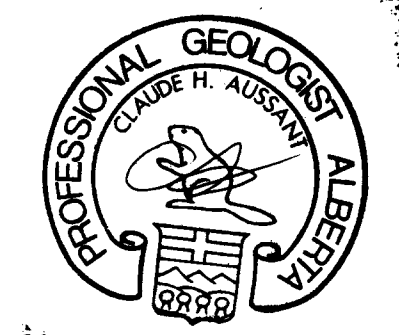
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/DRAWN BY C. AUSSANT
SCALE 1:5 000	METERS
TAIGA CONSULTANTS LTD	MAP 1

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
OF ALBERTA
PERMIT NUMBER
P 2399
TAIGA
CONSULTANTS LTD.





- 1 Hall Formation; argillite
 - 1a hornfel
 - 2 Elise Formation; andesite, flow breccia, augite porphyry
 - 3 Archibald Formation
 - 3a argillite
 - 3b tuff
 - 3c argillaceous quartzite
- approximate geologic contact
 - bedding
 - jointing
 - adit
 - shaft
 - silt sample location
 - x rock sample or description location
- rock/silt sample results
Au (ppb), Ag (ppb), Cu (ppm),
Pb (ppm), Zn (ppm)
- 8, 140, 34, 37, 118

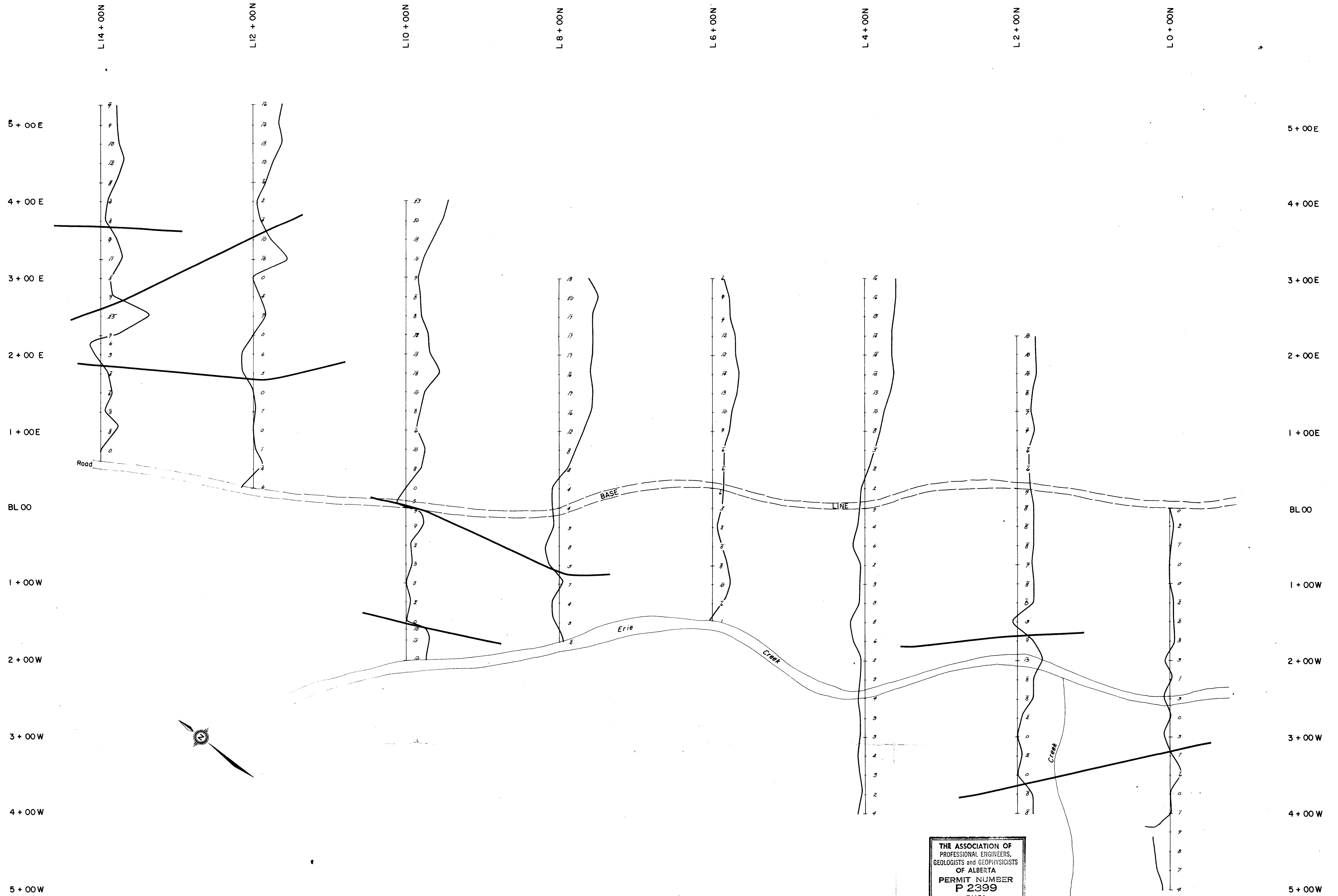


REX SILVER MINES LTD.

ORC 1-5 CLAIMS

GEOLOGY MAP

DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:5000	0 50 100 150 200 METRES
TAIGA CONSULTANTS LTD	MAP 2

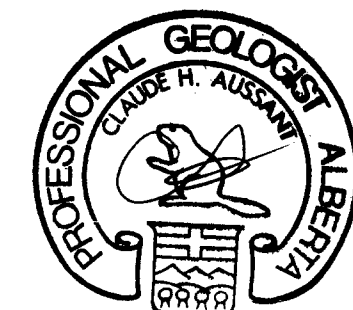


THE ASSOCIATION OF
 PROFESSIONAL ENGINEERS,
 GEOLOGISTS and GEOPHYSICISTS
 OF ALBERTA
 PERMIT NUMBER
 P 2399
 TAIGA
 CONSULTANTS LTD.

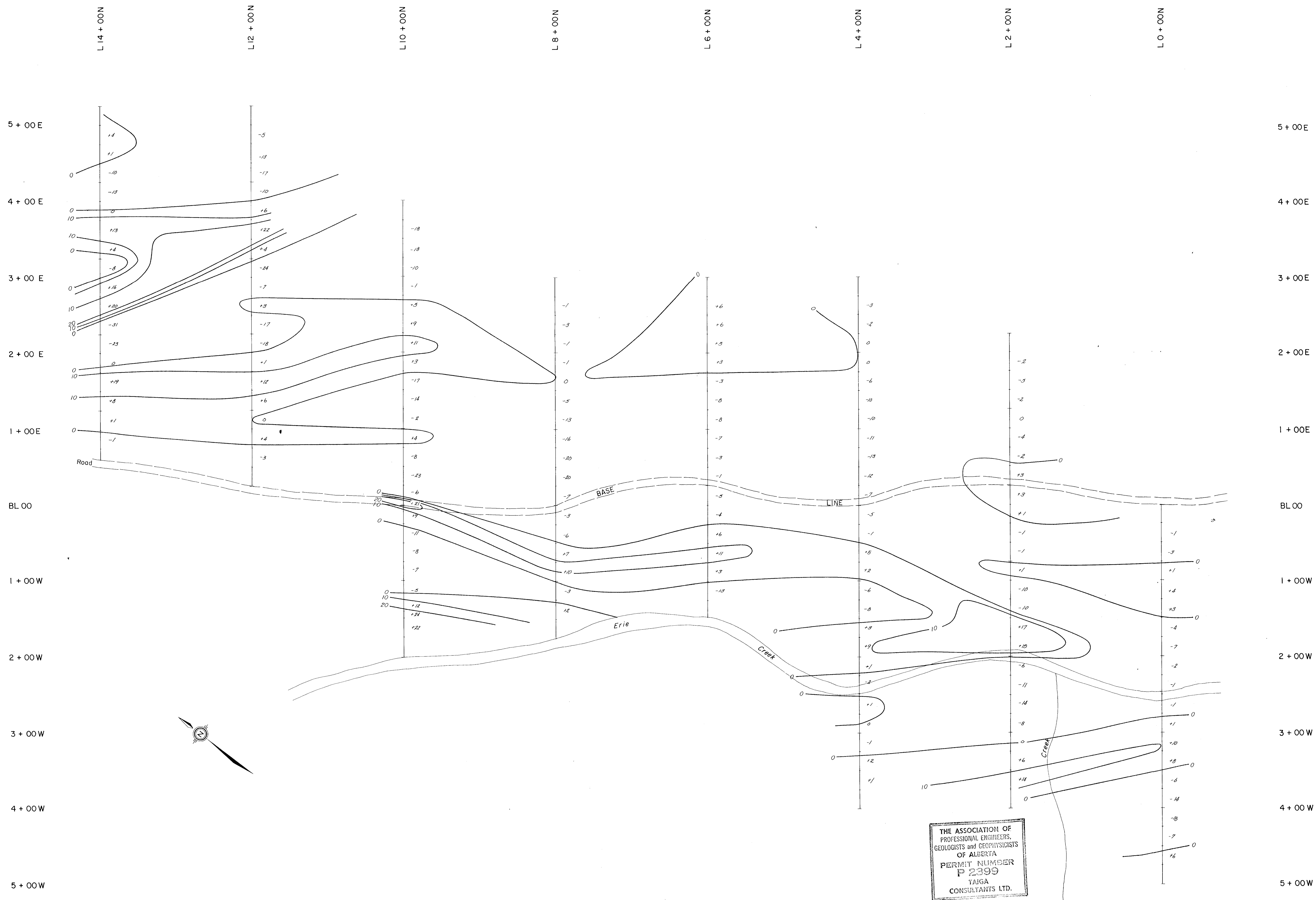
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

11,542

Instrument: Crone Rodem VLF-EM
 Operator: C. Aussant
 A. Francoeur
 Station: Seattle, Wash
 Direction to station:
 Profile scale: 1cm = 10'
 North-east dip: negative
 South-west dip: positive
 Conductor axis



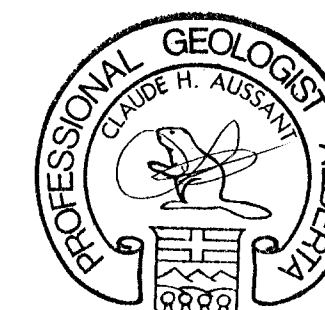
REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
VLF - EM PROFILES	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 3



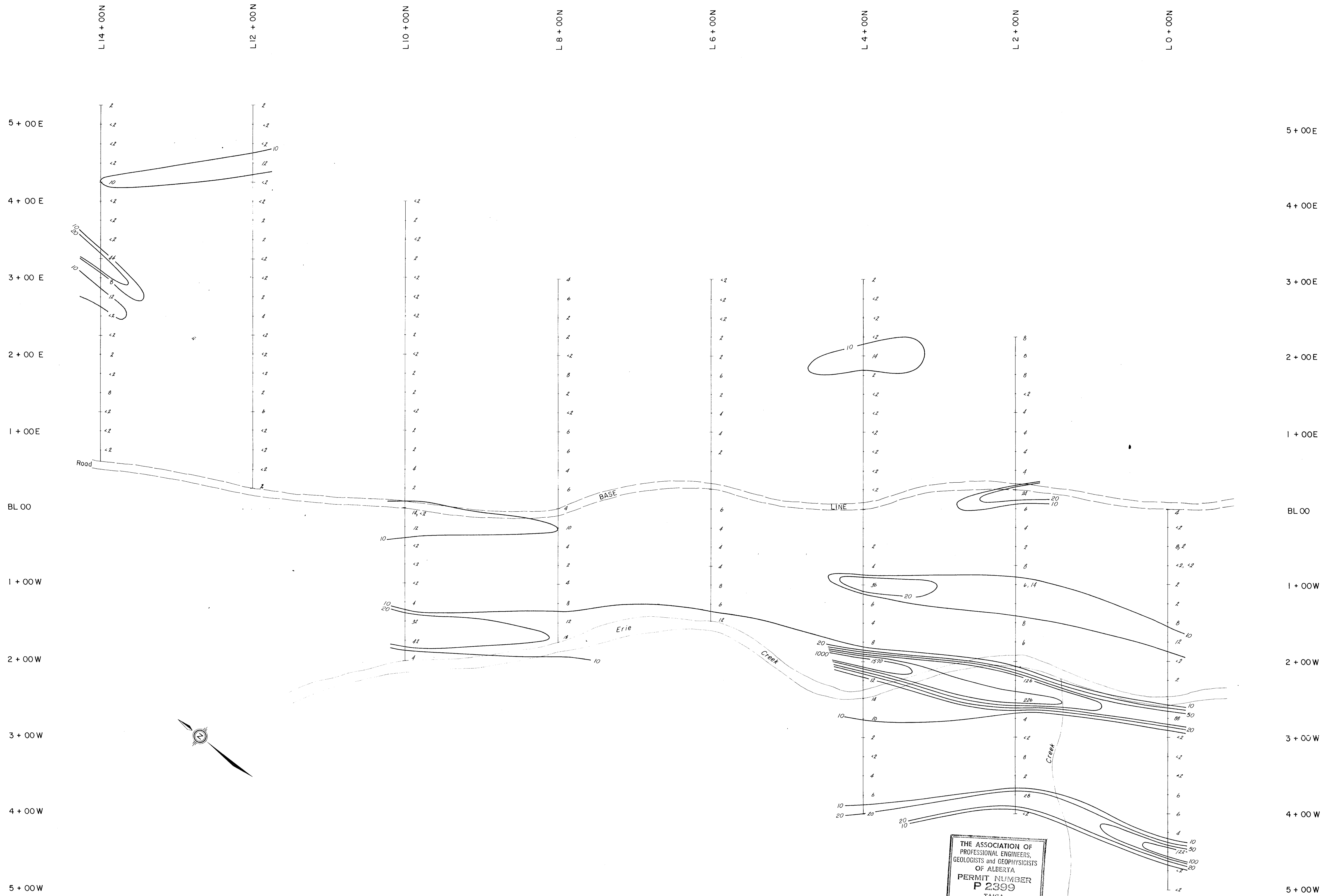
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,542

Instrument: Crone Radem VLF-EM
 Operator: C. Aussant
 A. Francoeur
 Station: Seattle, Wash.
 Direction:
 Contour interval: 10



REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
FRASER FILTERED VLF-EM	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	
TAIGA CONSULTANTS LTD	MAP 4

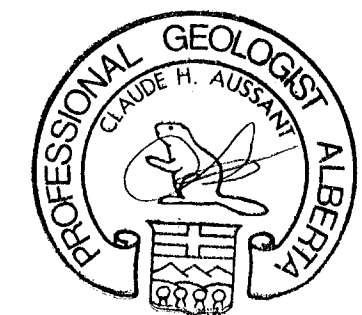


THE ASSOCIATION OF
 PROFESSIONAL ENGINEERS,
 GEOLOGISTS and GEOPHYSICISTS
 OF ALBERTA
 PERMIT NUMBER
P 2399
 TAIGA
 CONSULTANTS LTD.

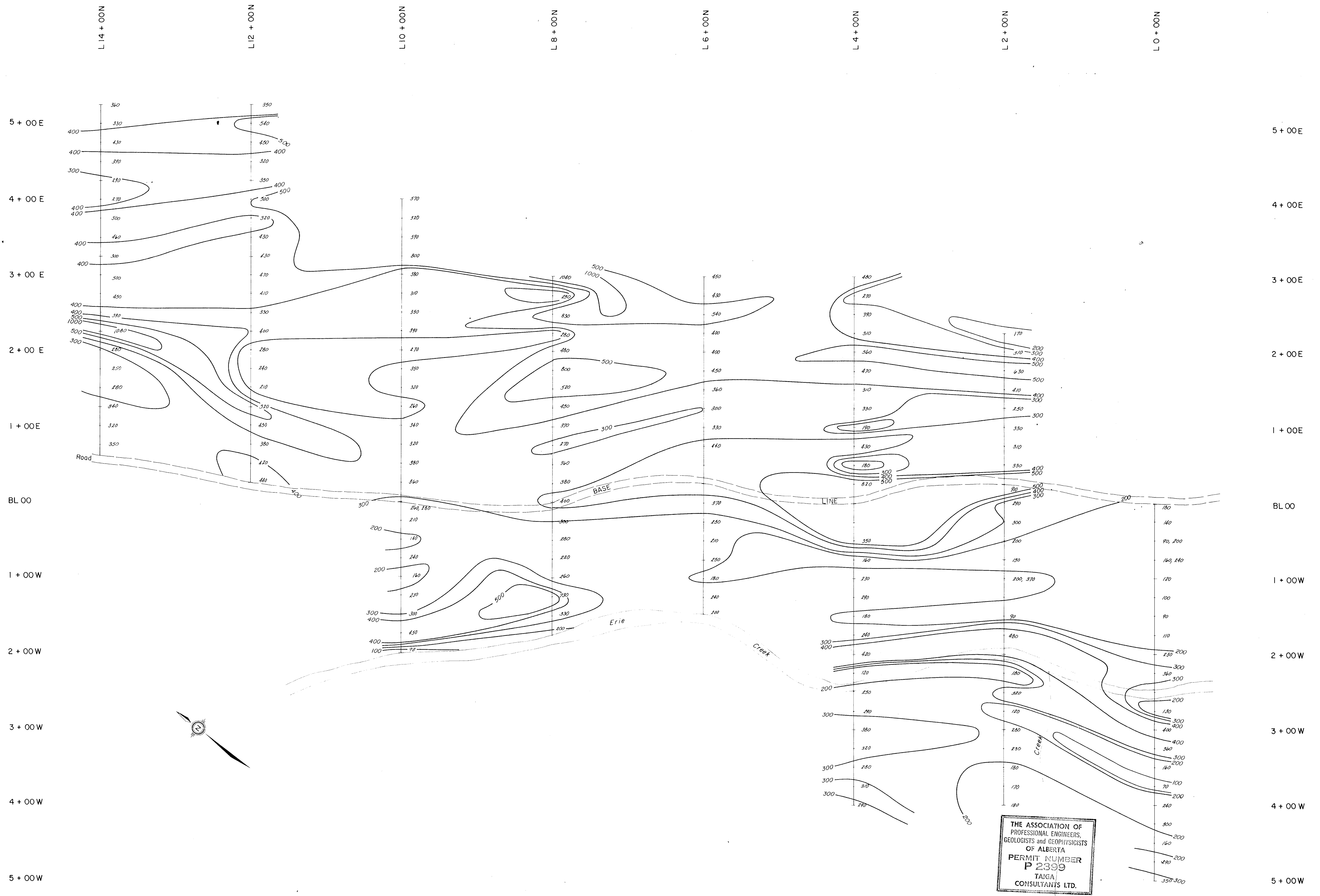
**GEOLOGICAL BRANCH
 ASSESSMENT REPORT**

11,542

Contour interval: 10, 20, 50, 100, 200, 1000



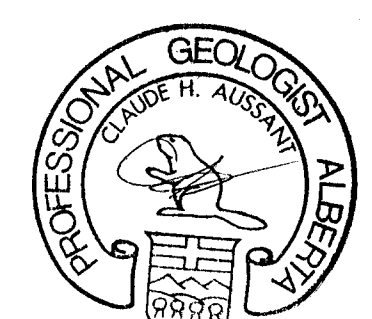
REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY Au (ppb)	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 5



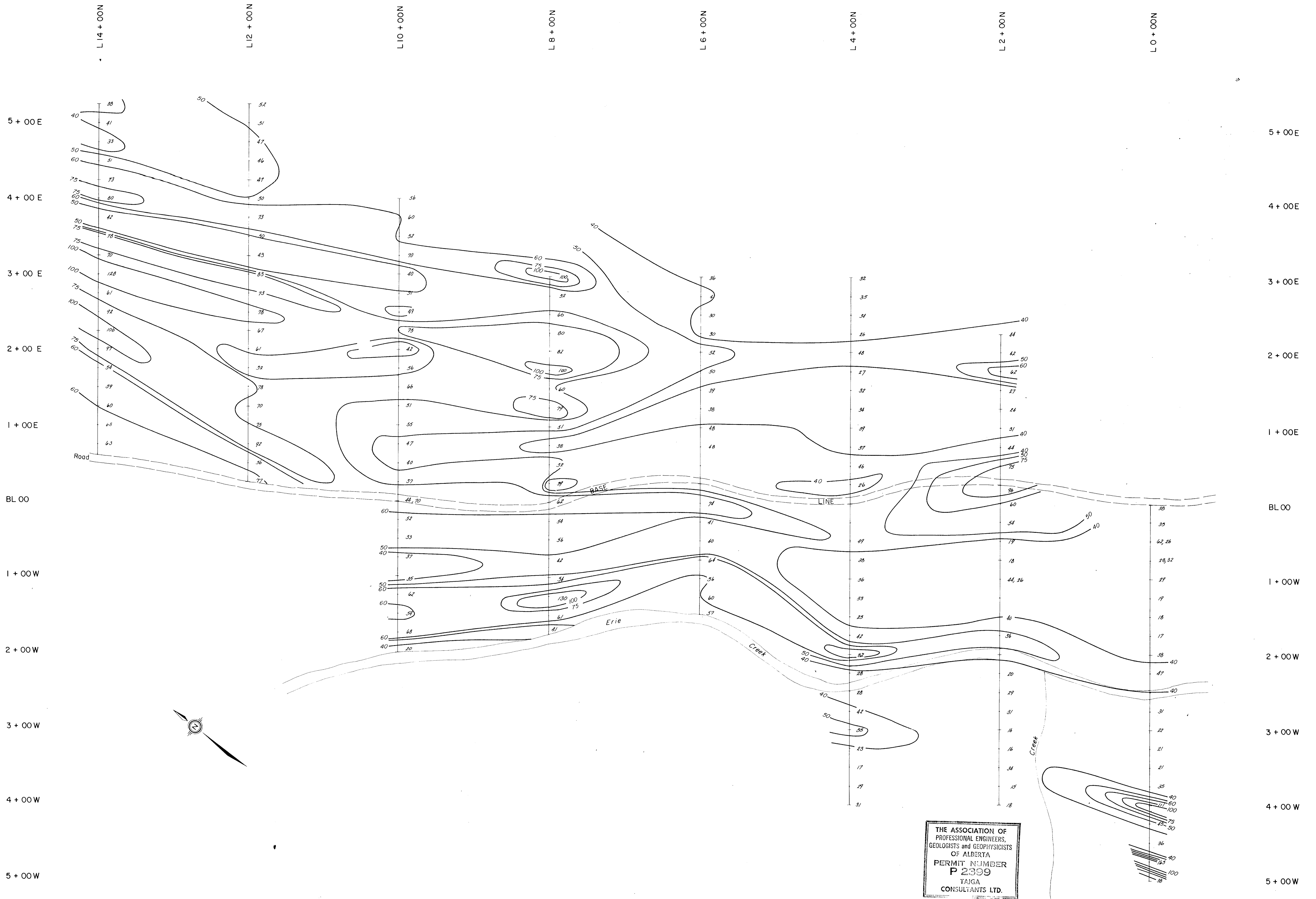
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,542

Contour interval: 100, 200, 300, 400, 500, 1000



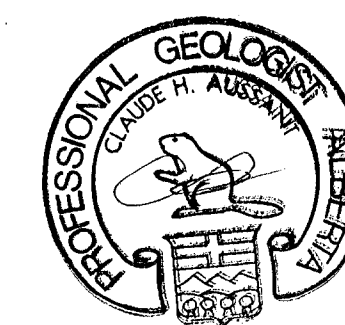
REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY Ag (ppb)	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 6



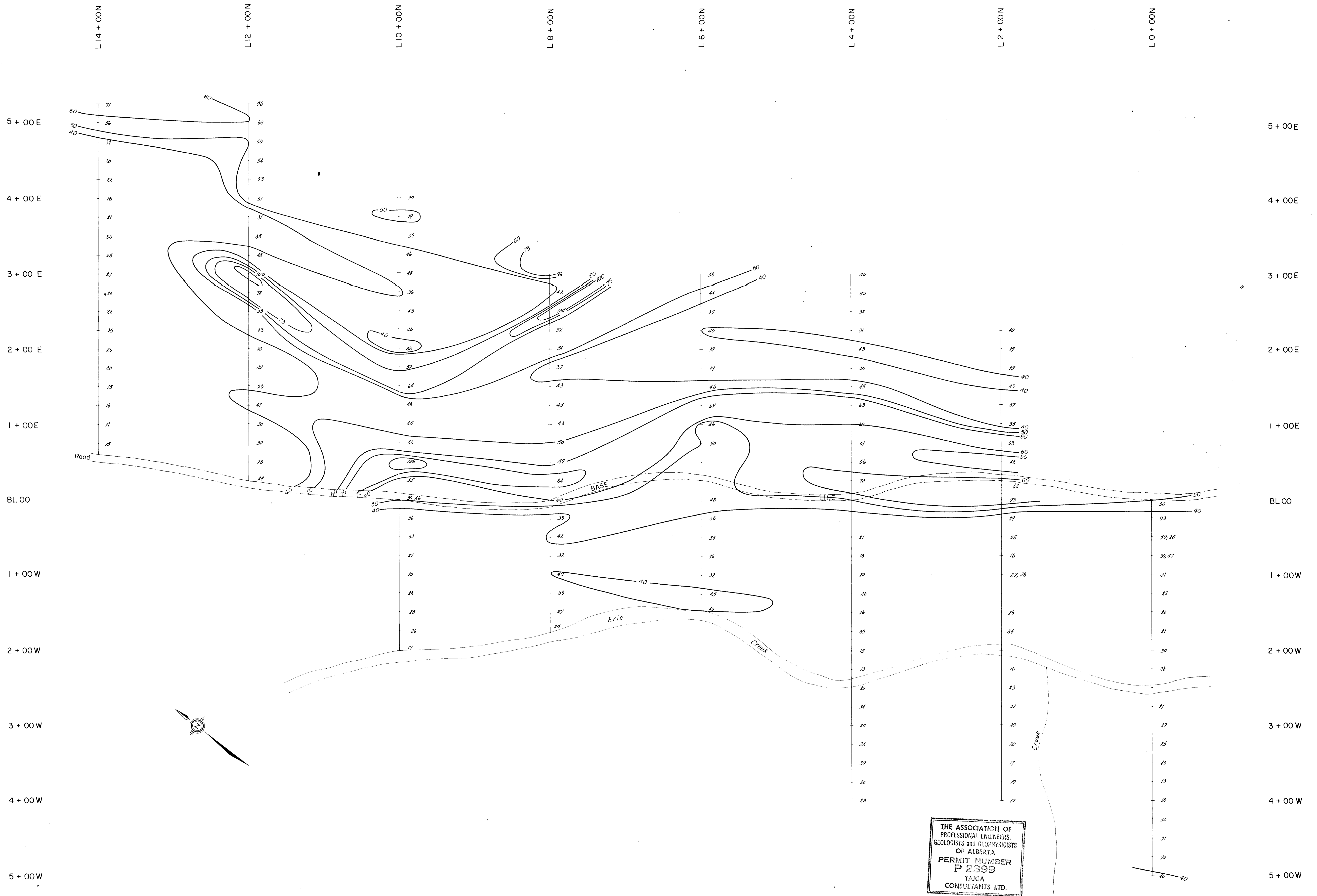
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,542

Contour interval: 40,50,60,75,100



REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY Cu (ppm)	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 7

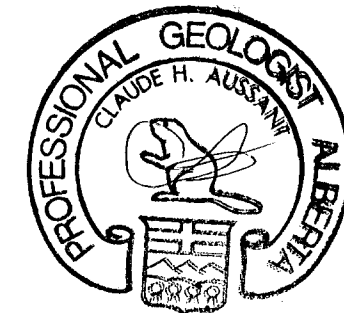


THE ASSOCIATION OF
 PROFESSIONAL ENGINEERS,
 GEOLOGISTS and GEOPHYSICISTS
 OF ALBERTA
 PERMIT NUMBER
 P 2399
 TAIGA
 CONSULTANTS LTD.

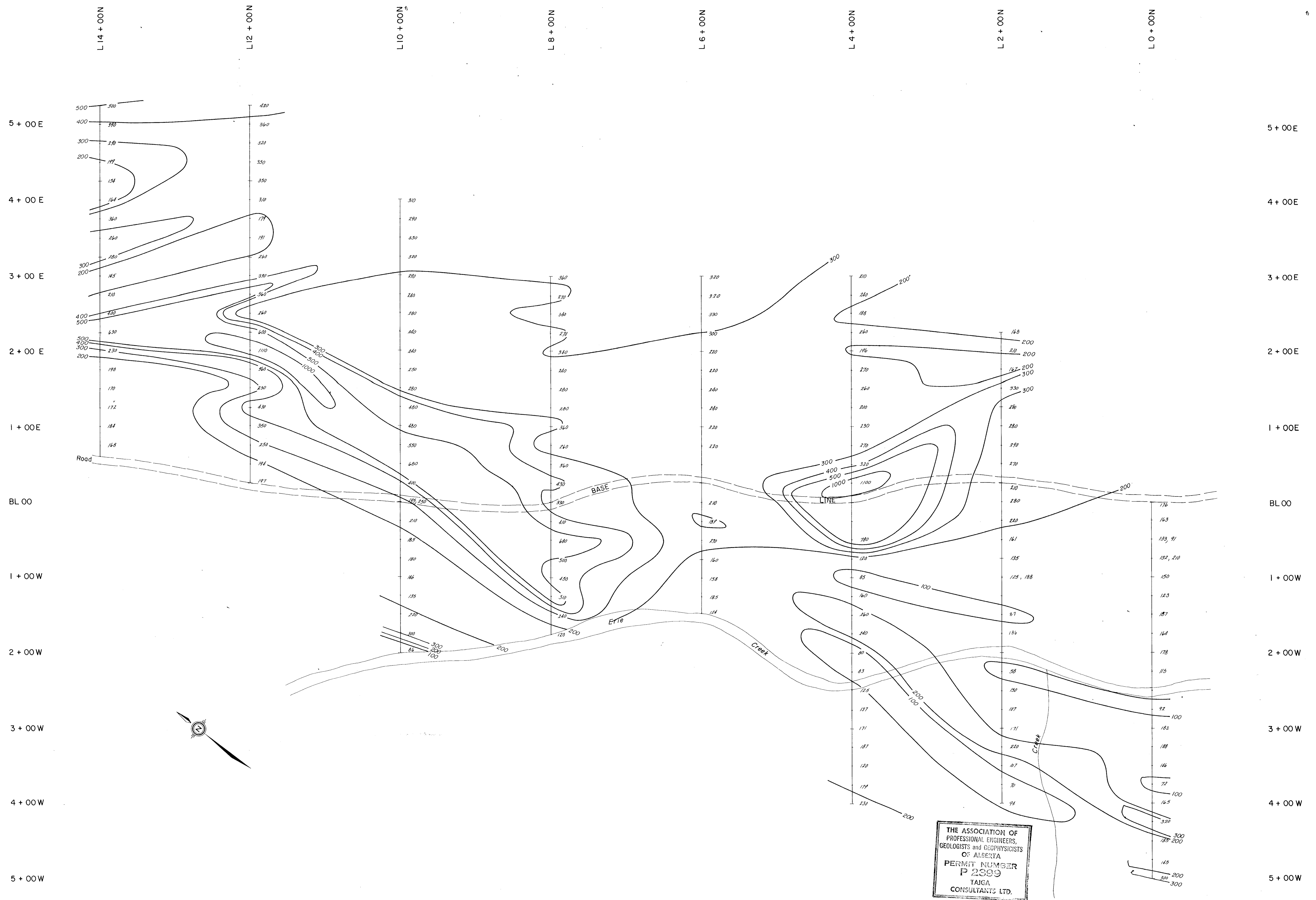
GEOLOGICAL BRANCH
 ASSESSMENT REPORT

11,542

Contour interval: 40, 50, 60, 75, 100



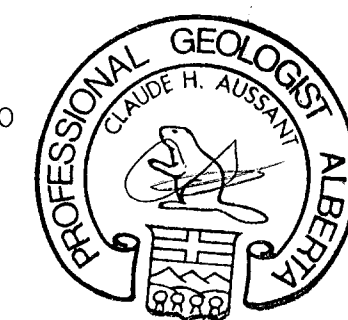
REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY Pb (ppm)	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	
TAIGA CONSULTANTS LTD	MAP 8



GEOLOGICAL BRANCH
ASSESSMENT REPORT

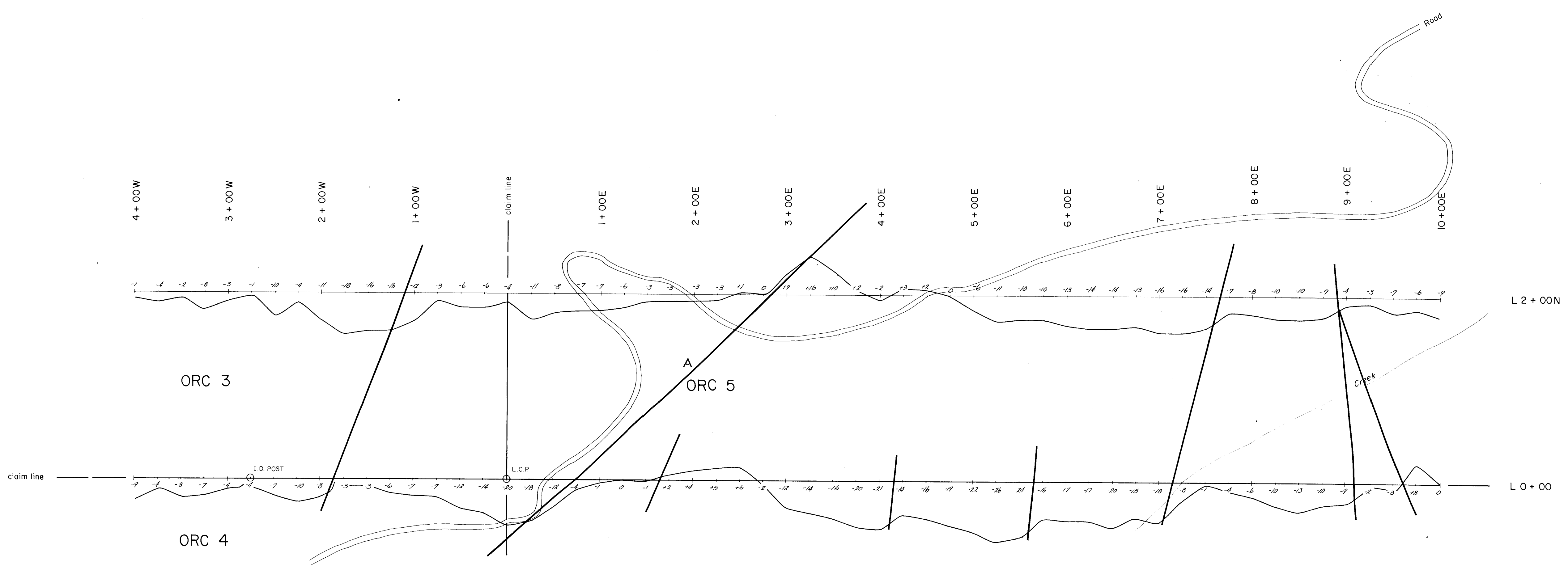
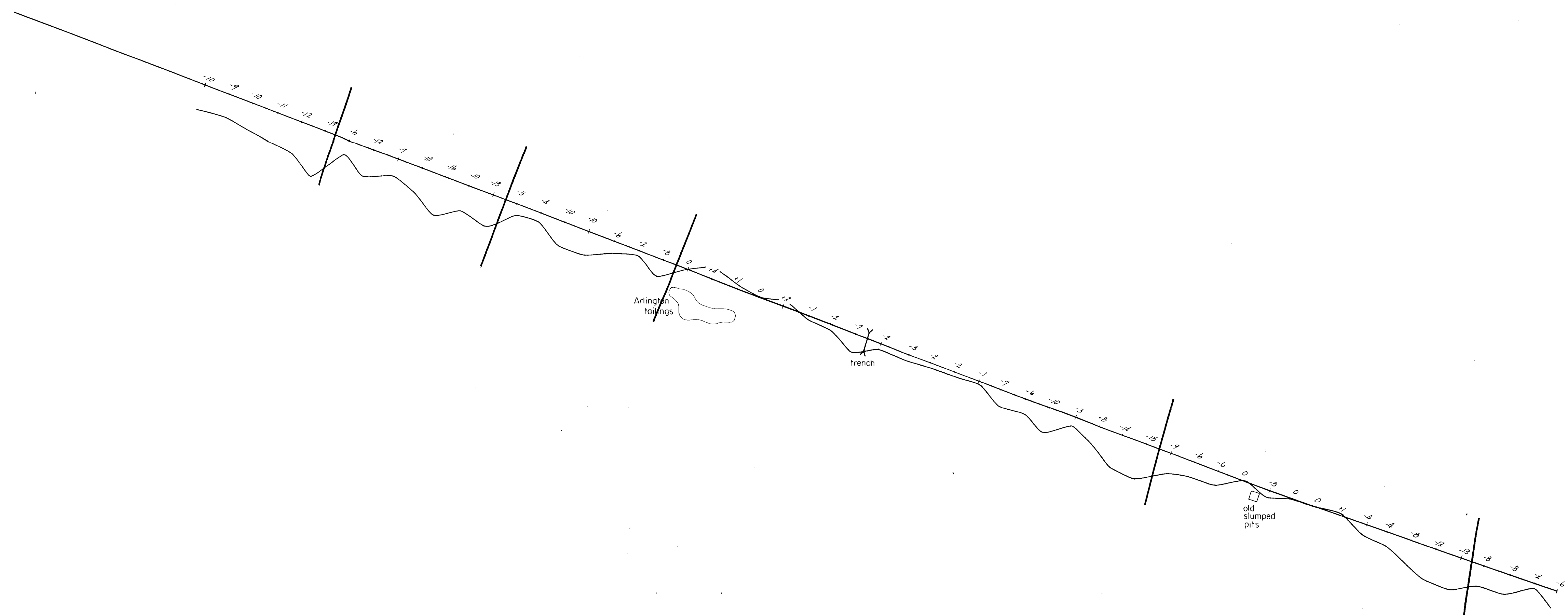
11,542

Contour interval: 100, 200, 300, 400, 500, 1000



REX SILVER MINES LTD.	
OR GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY Zn (ppm)	
DATE AUGUST, 1983	NTS 82F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 9

Reconnaissance Line

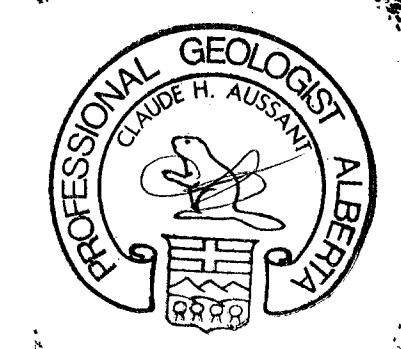


THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF ALBERTA
PERMIT NUMBER
P 2099
TUSA
CONSULTANTS LTD.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

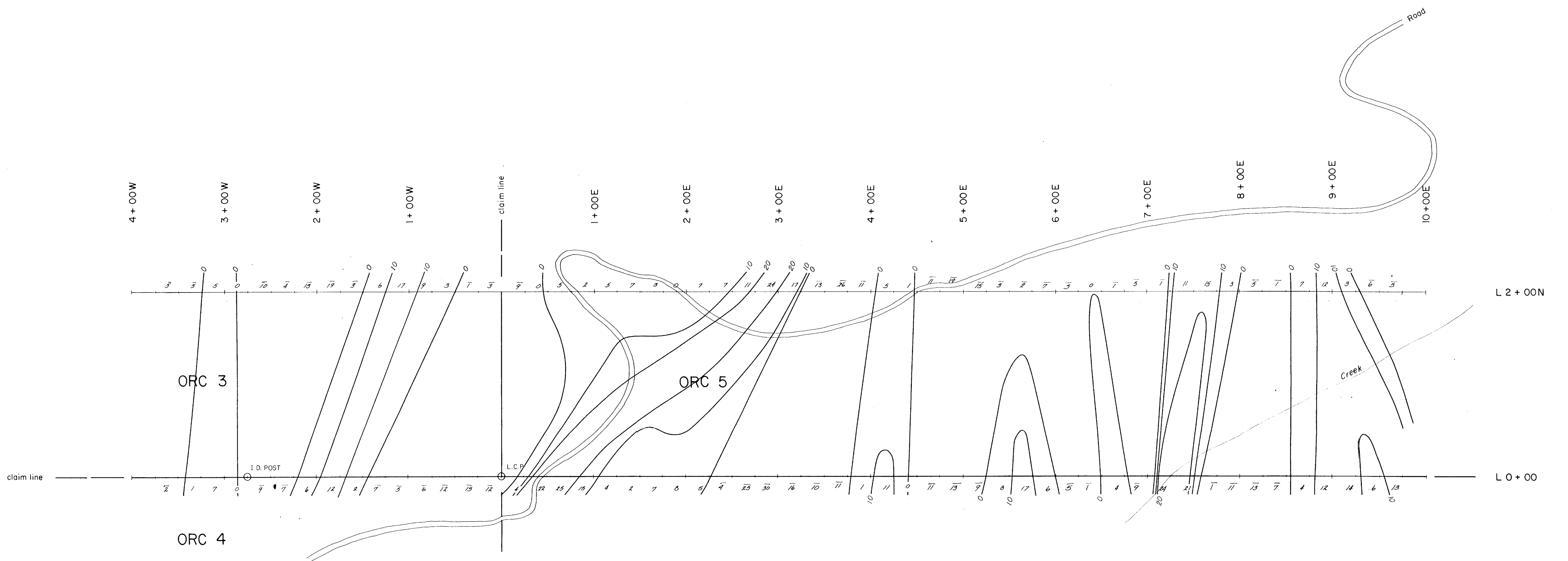
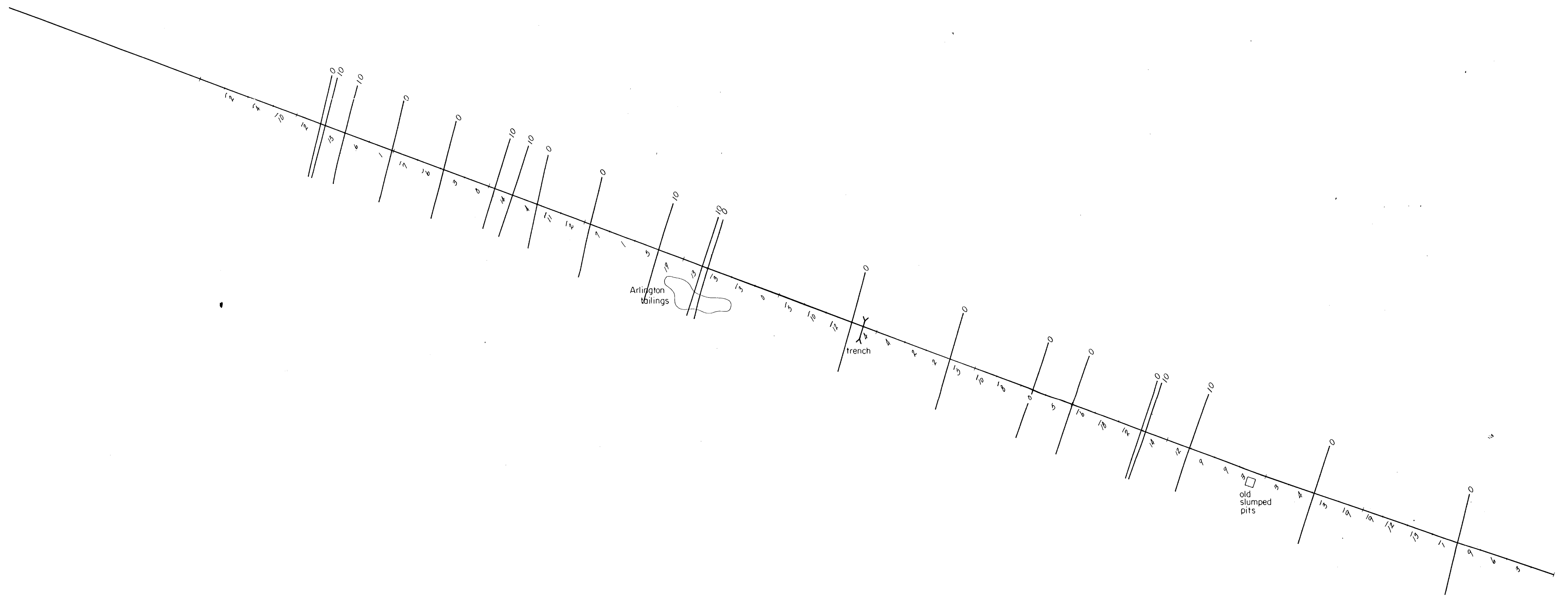
11,542

Instrument: Crone Radem VLF-EM
Operator: M. O'Donnell
Station: Seattle, Wash.
Profile scale: 1 cm = 10°
Horizontal scale: 1:2500
Northwest dip: positive
Southeast dip: negative
Conductor axis: ————
Readings taken facing NE



REX SILVER MINES LTD.	
O GRID - ORC CLAIMS	
VLF - EM PROFILES	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 10

Reconnaissance Line



THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF ALBERTA
PERMIT NUMBER
P 2290
1983
C. AUSSANT LTD.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

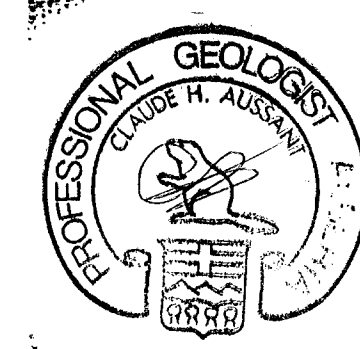
11,542

Instrument: Crone Radem VLF-EM

Operator: M. O'Donnell

Station: Seattle, Wash.

Contour interval: 10



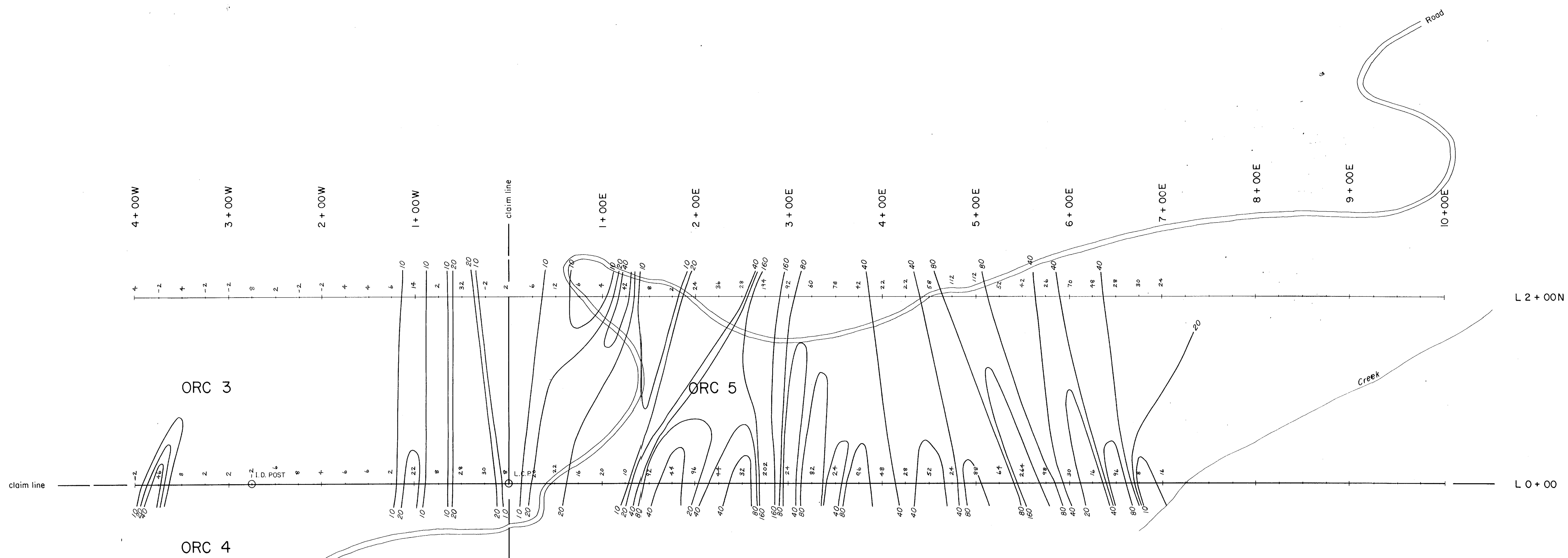
REX SILVER MINES LTD.	
O GRID - ORC CLAIMS	
FRASER FILTERED VLF-EM	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP II

Reconnaissance Line

Arlington
tailings

trench

old
slumped
pits

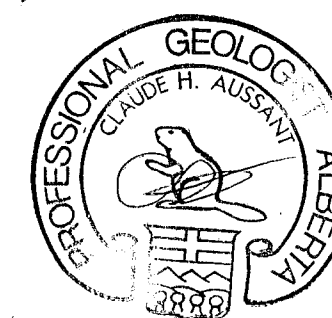


THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF ALBERTA
PERMIT NUMBER
P 2399
TAIGA
CONSULTANTS LTD.

Contour interval : 10,20,40,80,160 ppb

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,542



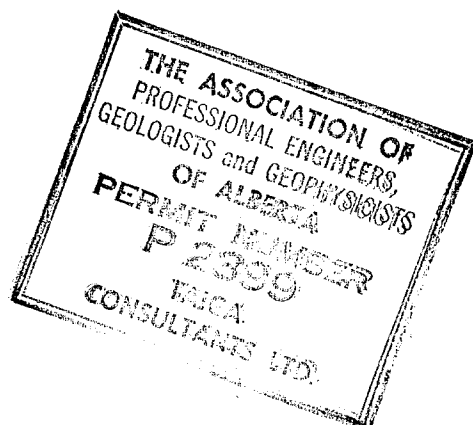
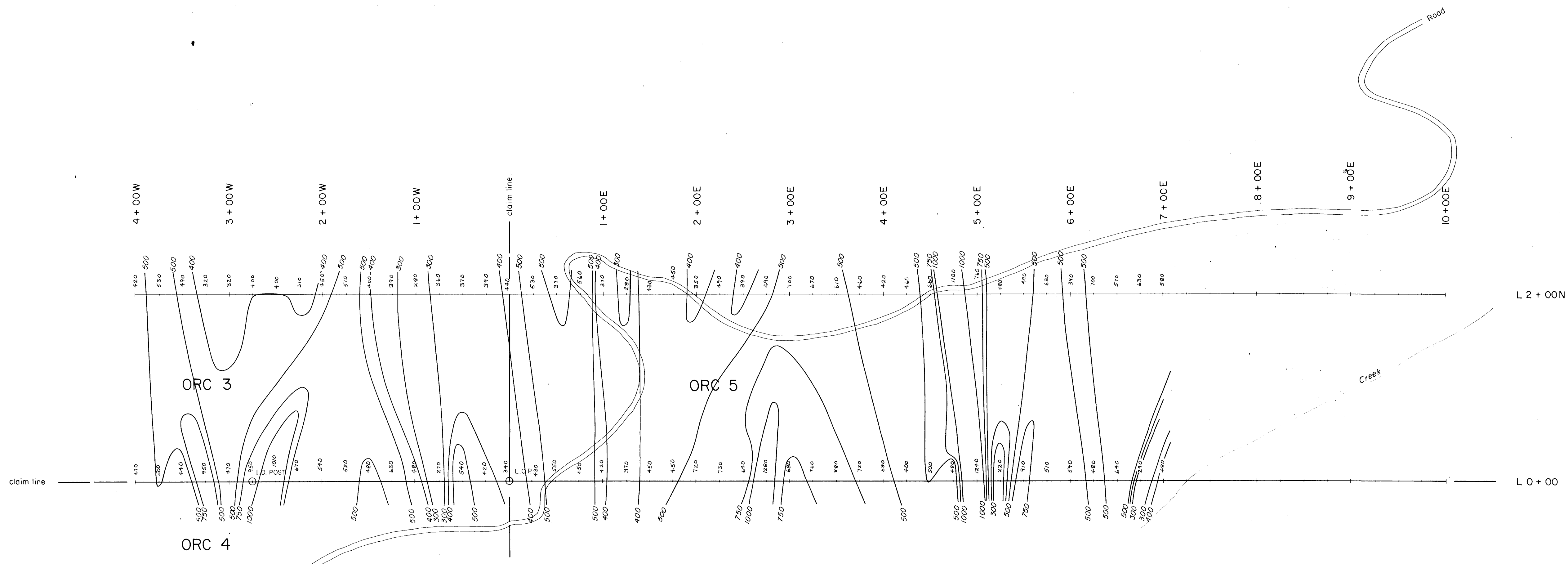
REX SILVER MINES LTD.	
O GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY	
Au (ppb)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 12

Reconnaissance Line

Arlington
tailings

trench

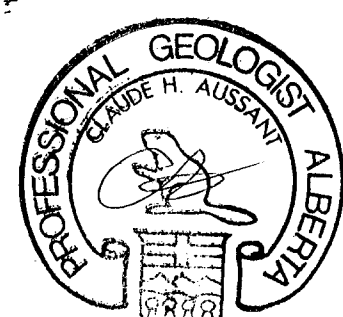
old
slumped
pits



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

11,542

Contour interval: 300,400,500,750,1000



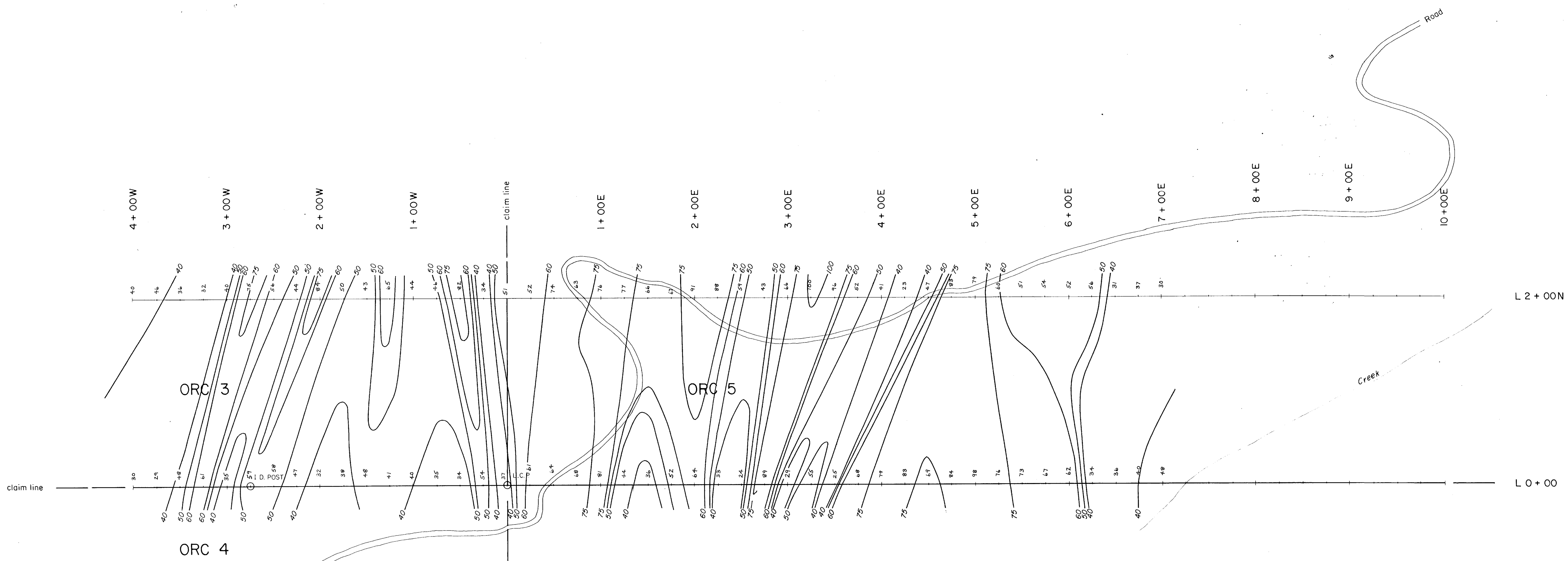
REX SILVER MINES LTD.	
O GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY	
Ag(ppb)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
T J C CONSULTANTS LTD	MAP 13

Reconnaissance Line

Arlington
tailings

trench

old
slumped
pits

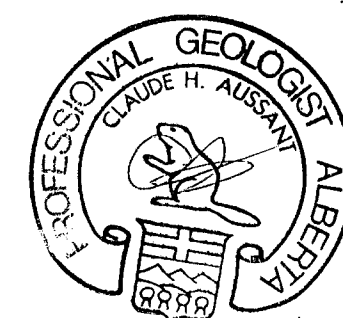


Contour interval: 40, 50, 60, 75, 100

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF ALBERTA
PERMIT NUMBER
P 2399
TALGA
CONSULTANTS LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,542



REX SILVER MINES LTD.

O GRID - ORC CLAIMS

SOIL GEOCHEMISTRY
Cu (ppm)

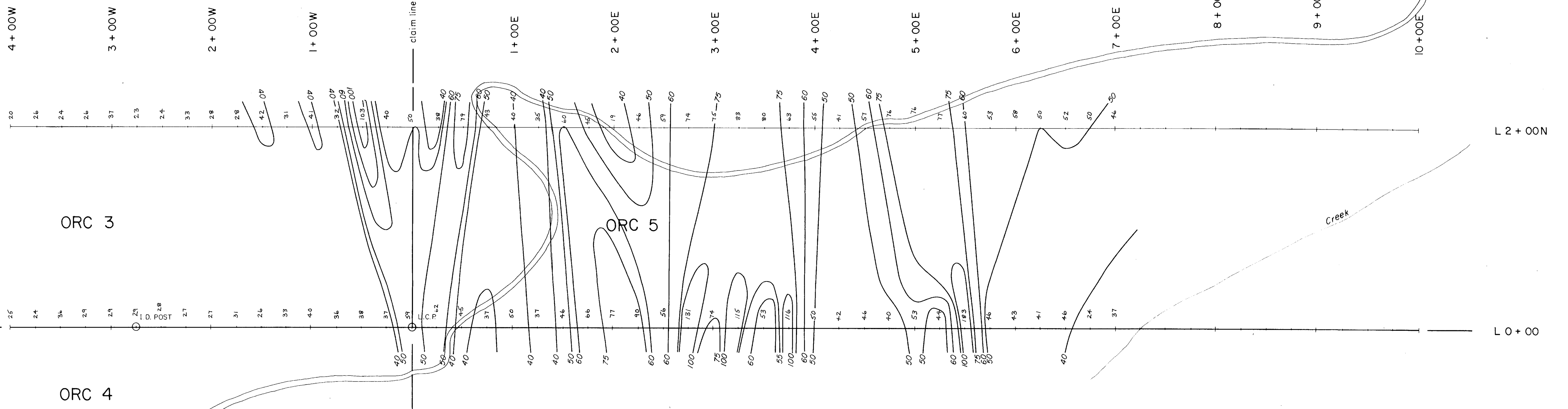
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TALGA CONSULTANTS LTD	MAP 14

Reconnaissance Line

Arlington
tailings

trench

old
slumped
pits

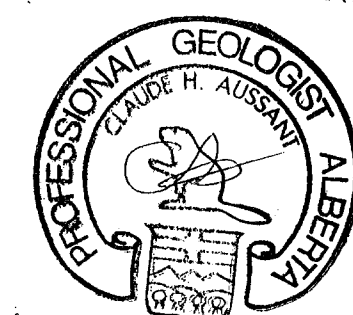


THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF ALBERTA
PERMIT NUMBER
P 2090
TAIGA
CONSULTANTS LTD.

Contour interval: 40,50,60,75,100

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,542



REX SILVER MINES LTD.

O GRID - ORC CLAIMS

SOIL GEOCHEMISTRY

Pb (ppm)

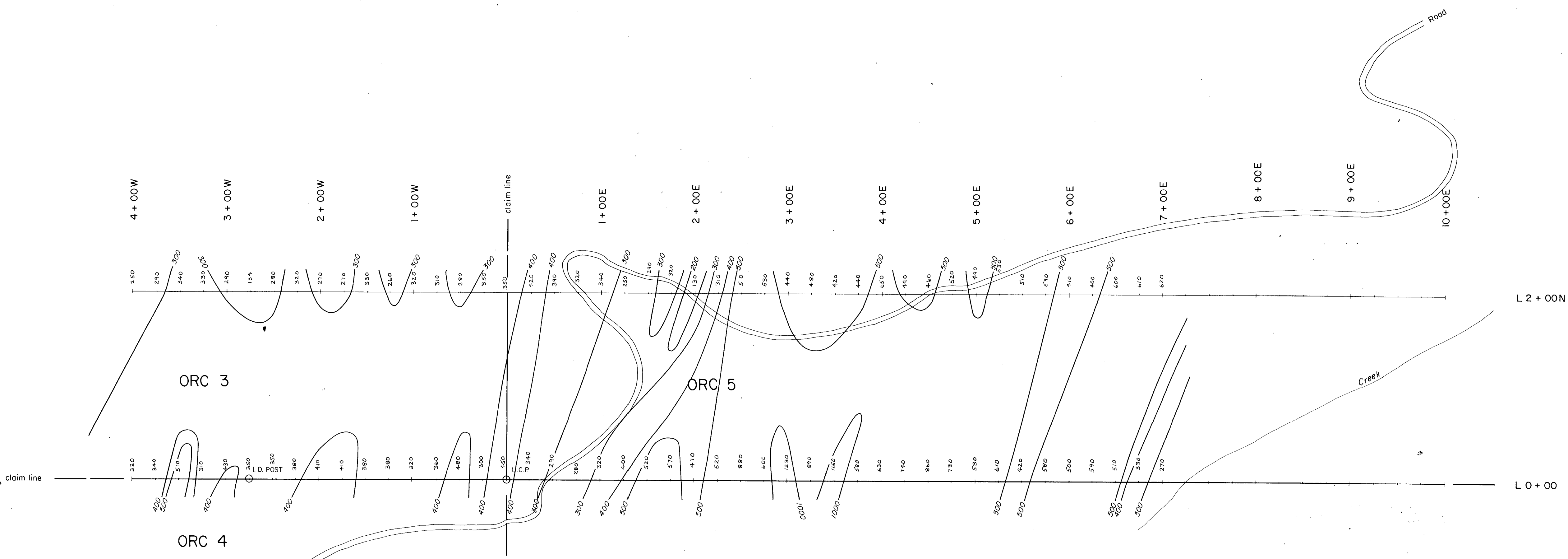
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 15

Reconnaissance Line

Arlington tailings

trench

old slumped pits

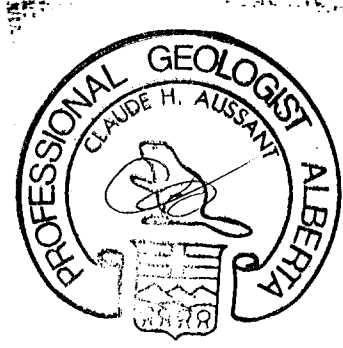


Contour interval: 100,200,300,400,500,1000

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS and GEOPHYSICISTS
OF ALBERTA
PERMIT NUMBER
P 2399
TAIGA
CONSULTANTS LTD.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

11,542



REX SILVER MINES LTD.	
O GRID - ORC CLAIMS	
SOIL GEOCHEMISTRY	
Zn (ppm)	
DATE AUGUST, 1983	NTS 82 F/3
PROJECT BC-83-2	MAPPED/ DRAWN BY C. AUSSANT
SCALE 1:2500	0 25 50 75 100 METRES
TAIGA CONSULTANTS LTD	MAP 16