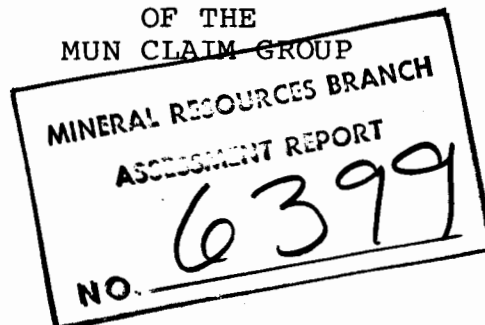


CANADIAN OCCIDENTAL PETROLEUM LTD.

MINERALS DIVISION

SILVER AND GOLD GEOCHEMISTRY  
OF THE  
MUN CLAIM GROUP



Claim Sheet No. 82E/12W(M)

Lat. : 49°44'N  
Long. : 119°58W

Claims:

Mun 1 to 30: 462856-462875  
and 462879-462888

Osoyoos Mining Division, British Columbia

by:

R.H. Wallis, Ph.D., P.Eng.

Covering Work Completed During the Period  
July 20th and September 4th, 1977

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SUMMARY

1240 "B" horizon soil samples were analysed for silver content. Statistical background for the MUN claims is 0.5 ppm Ag and 172 samples contained over 2.0 ppm Ag, i.e. over 4 times background.

Excellent correlation was found between the silver values and previously obtained Cu-Mo-Zn soil values, however, the silver values emphasized that the highest area of soil metal values has yet to be drilled.

Previous drill core was analysed for silver and several samples contained over 2.0 ppm Ag. When these samples were assayed, ddh MUN 74-3, 124-126.3 feet, was found to contain 2.72 ozs./ton Ag and 0.003 oz./ton Au.

On the basis of the soil data a further drill hole is recommended.

## INTRODUCTION

A study of Geological Survey of Canada Open File Report No. 409, to N.T.S. Area 82 E showed that all the streams draining the Munro Lake area are highly anomalous in their Silver content, all being greater than 1.0 ppm Ag. The headwaters of this drainage area is covered by the MUN 1-30 claims, already known to contain anomalous contents of Cu, Mo and Zn, see Report of J.M. Schindler, October 30th, 1974. Three of these ground anomalies were drill tested, and mineralization of chalcopyrite-pyrite-molybdenite-sphalerite was located, see Report by M.P. Henrick, January 29th, 1975.

It was decided to re-analyse all the soil samples and drill samples for silver, and anomalous samples of core were assayed for silver and gold. This data was reviewed by Consulting Geochemist, Dr. C.F. Gleeson, see appendices.

Discrete soil anomalies do exist for silver, and they correlate well with previously defined Cu-Mo-Zn anomalies, at least two obvious drill targets are indicated from an integration of this data.

### LOCATION AND ACCESS

The claim group is recorded on map 82E/12W(M) in the Osoyoos Mining Division, British Columbia and it is about twenty-two air miles (35 kms.) northwest of Penticton. The north boundary of the property is about  $\frac{1}{4}$  mile (0.4 km.) south of the southern boundary of the Eneas and Tsh Lakes section of Darke Lake Provincial Park.

The property is accessible by paved road to Summerland and thence by gravel road to Darke (Fish) Lake. A four-wheel drive vehicle is necessary for the four miles (6.4 kms.) from Darke Lake to the property

### VEGETATION

The property lies wholly below the tree line, and it is covered by generally open stands of balsam. Alder swamp is notable along the creeks in the south and central area and constitute about 5% of the area of this property. Thick alder growth occurs on about 10% of the property, mainly on east-facing slopes in the eastern portions of the claim group.

### WORK COMPLETED

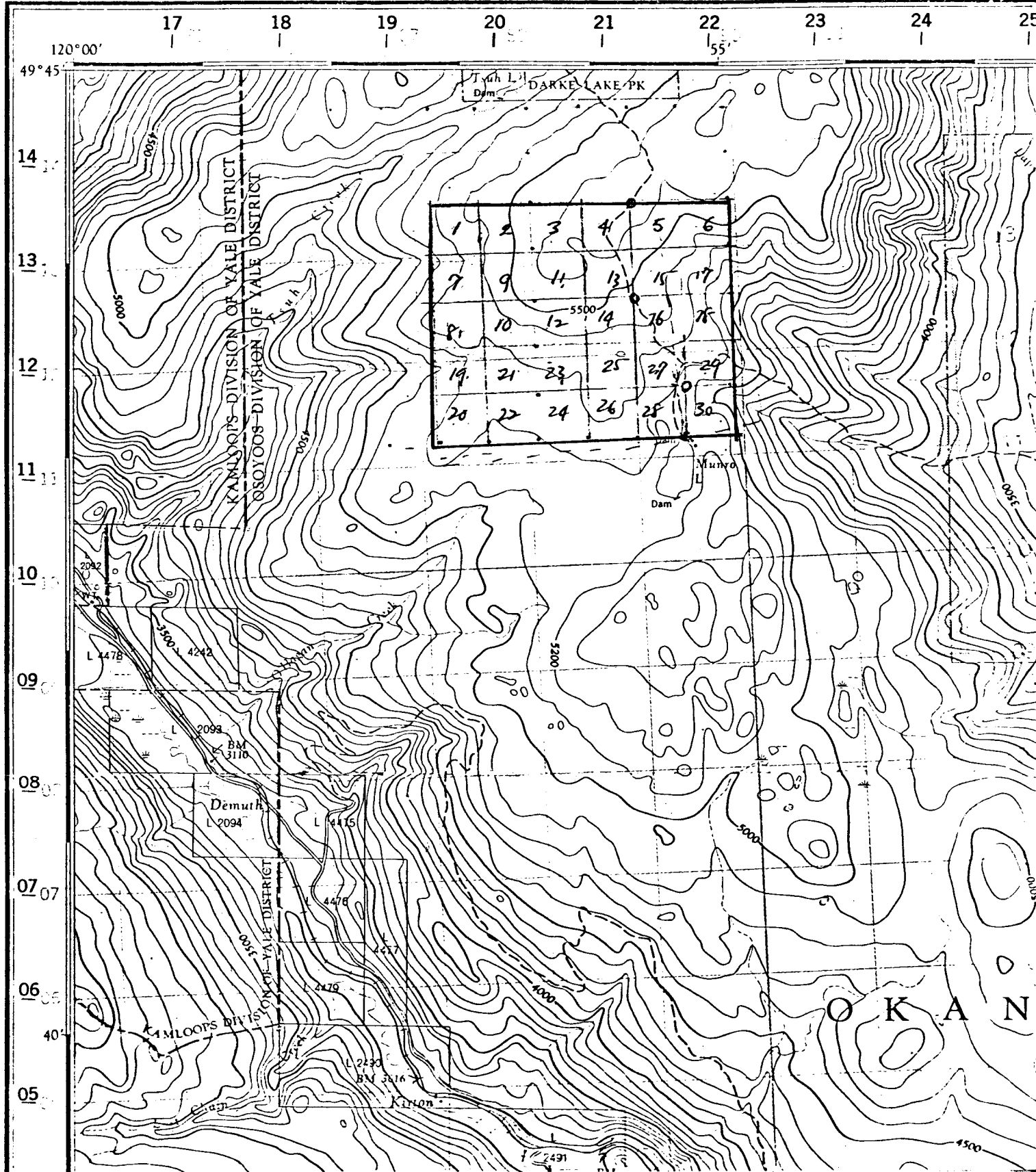
- 1) Soil samples were analysed for silver.
- 2) Core samples were analysed for silver.
- 3) Core samples were assayed for silver and gold.

Fig. 1 Location of Mun Claims

CAN

82 E/12 W

1:50,000



## PHYSIOGRAPHY

The property occupies part of a small north-trending plateau situated within the dissected Interior Plateau. Elevations range from 5200 to 5600 (1560-1680 m.) feet for 90% of the property. Along its eastern boundary, where the property overlaps the east edge of the plateau and the adjoining valley of Darke Creek, a minimum elevation of 4900 feet (1470 m.) is attained. In this area relief is of the order of 400 to 600 feet (120-180 m.).

Streams drain off the property in three main directions, namely, southeast, south and west. Along the east boundary streams of the Darke Creek drainage system occupy incised valleys. Streams on the rest of the property generally occupy flat, swampy valleys. Stream gradients along the eastern 10% of the property are about 0.24% and for the remainder of the property they are 0.05%.

The property is mantled by glacial drift. At the higher elevations in the central portions of the claim group the drift cover is generally about two feet deep (0.6 m.). At lower elevations in the central portions of the claim group the drift cover is generally about two feet deep (0.6 m.). At lower elevations the drift is deeper. Drift with depths of up to 8 or 9 feet (2.4-2.7 m.) occurs along the Darke Lake Road.

## GEOLOGY

### 1& 2) Introduction:

Regionally, the Mun property is situated in an intrusive mass which is thought to connect the Pennask batholith to the north with the Okanagan batholith to the south. The intrusive mass appears as a "constriction zone" between the two batholiths. In the vicinity of the property the intrusive comprising the "constriction zone" is indicated by Little (1961) as belonging to the Valhalla group of plutonic rocks of possible Upper Cretaceous age (but on regional evidence more likely Jurassic age).

The Brenda Mine porphyry copper/molybdenum deposit is localized in intrusive rocks of the "constriction zone" about 10 miles (3 kms.) north of the Mun property.

### 3) Table of Formations:

youngest	5) Quartz latite porphyry
	4) Quartz monzonite
	3) Grey aplite
	2) Porphyritic granodiorite
oldest	1) Grey granodiorite

### 4) Description of Rock Units:

#### 1) Grey granodiorite (M-6: 32E/44N):

Porphyritic grey granodiorite with well developed foliation occurs in small quantities in the north-central parts of the claim group. This granodiorite has a grain size which is intermediate between medium and fine grained, and



it is thought to be genetically related to grey biotite granodiorite which is exposed at 36E on the tie line. The grey biotite granodiorite is composed of light grey plagioclase(65%), fine grained hornblende and biotite(25%) and quartz(10%). Minor quantities of medium grained biotite is also present and is thought to be the result of pervasive alteration. Fine grained granodiorite is also exposed at 24E/43N and 20E/43N. Their proximity to dykes of feldspar quartz porphyry is worthy of note.

2) Porphyritic Granodiorite:

Medium grained foliated granodiorite with porphyritic tendency due to the presence of coarse grained (up to 1.25 cm.) potash feldspar crystals which are generally inconspicuous, but which are clearly evident when the sample is moved so as to reflect sunlight. Minerals present are: potash feldspar 10%; plagioclase feldspar 55% to 60%, quartz 20%. Ferromagnesian include 10% hornblende which is generally chloritized and it is replaced by fresh biotite which constitutes as much as 5% of the rock. The plagioclase feldspars are generally weakly saussuritized and the rock is further characterized by a distinct foliation interpreted as primary flow foliation.

The porphyritic granodiorite is the predominant rock type and underlies about 90% of the property. It is cut by quartz latite porphyry in the north-central portion of the claim group. In the south and southwest corner of the property it is in contact with quartz monzonite. The

quartz monzonite is finer grained near the contact with the porphyritic granodiorite. This is interpreted as a chilled contact phase in the quartz monzonite and therefore it intrudes the porphyritic granodiorite.

The porphyritic granodiorite is the main host rock of mineralized quartz veins and fractures with alteration envelopes.

3) Grey aplite:

Fine grained, grey aplite dykes with a pink weathered surface and ranging in width from 2" to 9", are scattered throughout the trenched area in the north-central part of the claim group. The aplite is characterized by 10% fine grained biotite and predates fractures with alteration envelopes. Individual aplite dykes are generally widely separated. The highest concentration of aplite veins is at the east end of Trench #3 where three aplite dykes were noted over a twenty-foot interval.

4) Quartz monzonite:

Quartz monzonite occurs in the southern parts of the property. Outcrop in this area is very sparse, but it appears as if the quartz monzonite interfingers with the porphyritic grey granodiorite. This contention is supported by the magnetic data. An isolated area of quartz monzonite is exposed in the vicinity of 80E/19N. The quartz monzonite is coarse grained but in the vicinity of the contact with the porphyritic grey granodiorite at 60E/04N it is finer grained. This decrease in grain size is interpreted as being contact

chilling. For the above reasons, therefore, the quartz monzonite is considered younger than the porphyritic grey granodiorite. Nowhere, however, have contacts between the two units been observed.

The quartz monzonite is weakly foliated and it is coarse grained with a porphyritic tendency due to the presence of large potash feldspar crystals. The potash feldspar phenocrysts are host to finer grained hornblende and biotite. That is, the potash feldspar exhibits poikilitic texture. Plagioclase feldspars are generally weakly saussuritized, and hornblende is chloritized and replaced by fine grained fresh biotite which comprises about 7% to 10% of the rock.

#### 5) Quartz latite porphyry:

Two ENE and NE-trending dykes of feldspar quartz porphyry are present in the area west and north of the trenches. The porphyry has a pale green weathered surface mottled by pink potash feldspar and by glassy quartz phenocrysts. The ratio of potash feldspar to quartz in the phenocrysts is 6.5:3.5. The groundmass to phenocrysts ratio is 1:1. Minor medium grained biotite is also present. The phenocrysts are generally medium grained and the groundmass is aphanitic to fine grained and it is medium green on fresh surfaces.

The porphyry is quartz latite in composition, and it is weakly pyritized. It is generally weakly sericitized and becomes strongly so in areas of shearing, notably at 35E/54N. Trace amounts of fine grained disseminated

molybdenite have been identified by Dr. C.F. Gleeson (personal communication) with the aid of a binocular microscope.

The porphyry is best exposed in trench #9 where its contact with the porphyritic grey granodiorite strikes 050° and dips 55° south. At the contact the porphyry is sheared and carries minor amounts of manganese oxides. The porphyry is fractured but postdates fractures with alteration envelopes, and all quartz veining.

5) Structural Geology:

In the trenched area the primary flow foliation of the porphyritic granodiorite generally strikes NNW and dips steeply to the east. At the east end of trench #1 the foliation strikes roughly east and dips north. Several isolated readings taken on flow foliations outside of this area indicate a strike which clusters around due north. The foliation appears to have exerted an influence on the localization of at least some of the subsequent fracturing.

In general the north central and northwest parts of the property are more fractured than the southern sections where fracturing is restricted to coarse jointing only. In the vicinity of the pits the three main rock units, porphyritic granodiorite, grey granodiorite and quartz latite porphyry, have been fractured to varying degrees by at least three sets of fractures. These include an earlier quartz-filled set, followed by an intermediate

set characterized by alteration envelopes, and a late set of dry fractures. The quartz latite porphyry is cut only by the dry set of fractures and will not be discussed further.

Quartz-filled fractures, striking mainly between northwest to slightly north of east and with dips generally steeply north, occur throughout the pit area. A subordinate set of quartz-filled fractures trends northwest and dips northeast. The quartz-filled fractures are characterized by their lack of alteration envelopes developed in the adjacent country rock. The quartz veins carry small amounts of feldspar and pyrite and locally minor fine grained molybdenite.

The intermediate set of fractures which cuts these quartz-filled fractures are characterized by alteration envelopes developed in the adjoining country rock. Some quartz is also associated with this set of fractures, as are minor quantities of molybdenite and chalcopyrite.

The late stage fracturing is present throughout the trench area. The most intense area of total fracturing is in the vicinity of trenches 9 and 11.

Well developed faults striking mainly northwest, north and northeast and with dips to both the east and west are fairly common. They are commonly associated with small quantities of pyrite and/or chlorite and sericite.

6) Alteration:

i) Pervasive: Weak saussuratization of plagioclase feldspars is widespread in the porphyritic granodiorite over almost the entire property. Likewise, the quartz monzonite which is exposed along the south margin of the property is also weakly saussuratized.

Small books of fresh biotite are ubiquitous and sometimes constitute as much as 5% of the country rock by volume (e.g., the grey granodiorite). This biotite frequently replaces chloritized hornblende or previously existing ferromagnesian and may be a product of pervasive alteration.

ii) Hydrothermal: The fractures which are devoid of alteration envelopes and which are filled with quartz together with small amounts of feldspar, pyrite and minor molybdenite, have been discussed. Cutting these quartz-filled fractures are a set of fractures accompanied by alteration envelopes in the adjacent country rock. These alteration envelopes are composed essentially of sericite and are medium grey on weathered surfaces and green on fresh surfaces. The width of the alteration envelopes vary in width from 1/16" to 1 1/2" on either side of the fracture. The best development of the alteration envelopes is associated with the quartz-filled fractures of the intermediate fracture set. Dry fractures of this set are characterized by narrow (1/4" or less) alteration envelopes on either side of the fracture. Small amounts of pyrite and minor chalcopyrite and molybdenite

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are associated with this fracture system. The most abundant development of chalcopyrite and molybdenite appears to be associated with the quartz veins which are attended by the envelopes of sericitic alteration, and at the intersections of the intermediate fracture system with the early and quartz-filled set.

The quartz latite porphyry is sericitized particularly so where it is strongly sheared. This porphyry postdates the intermediate fracture set and its associated sericitic alteration.

7) Economic Geology:

The property lies in the Brenda Mining Camp (Brenda Mines Ltd. being located approximately 10 miles north of the property). Open pit mining of the porphyry/molybdenum copper deposit at Brenda Mines Ltd. commenced in 1967, and consequently the surrounding area has experienced considerable exploration activity in recent years. The Mun group has received some of this attention, and at least four previous mining companies are known to have conducted work on the property.

b) Previous work done: The following information was obtained from a geological report on the property by J.M. Carr (1967). The main showing described by Carr as "1 mile north northwest of Munro Lake" was discovered in 1966 by A.D.K. Burton as a result of geochemical work (type not specified). Work on the property in 1966 was done by Bren Mac Mines Ltd., Brenda Mines Ltd. (under option) and by

Lakeland Base Metals Ltd., and included trenching and about 2000 feet of percussion drilling at 100 ft. deep, 45°S inclined holes situated at 100 ft. intervals in the trench and geochemical soil sampling.

Work in 1967 by Lakeland Base Metals Ltd. consisted of soil sampling which is reported not to have extended a previously known soil anomaly (Carr(1967)).

The property is presumed to have been dormant until it was restaked in July, 1970 by Copper Range Exploration Company Inc., under the name of the Hen group. Work at this time according to Copper Range personnel is thought to consist only of staking following stream geochemistry. However, the property was probably dormant from 1970 until it was staked by Canoxy in 1973.

c) Mineralization: The mineralization exposed at surface (chalcopyrite and molybdenite) is very low grade. This is well shown by the results of continuous chip samples collected in the trenches where 34 samples have an average value of 61 ppm for copper and 32 ppm for Mo.

Molybdenum is present mainly as molybdenite and virtually no ferrimolybdenite was seen. The molybdenite is fine grained and occurs in three forms:

- i) in quartz veins without associated alteration envelopes.
- ii) in fractures with associated alteration envelopes.
- iii) as disseminations in the country rock.



- i) The quartz veins without alteration envelopes, which carry molybdenite carry small amounts of feldspar, are composed of glassy quartz and vary from 1/16" to 1" in width. The  $\text{MoS}_2$  occurs mainly as small dots and isolated grains along the margins of the quartz veins and as isolated grains within the quartz veins. Along the margins of the quartz veins it is closely associated with very minor amounts of pyrite.
- ii) Molybdenite associated with minor amounts of chalcopyrite also occurs along the margins of quartz-filled fractures which have alteration envelopes. Molybdenite is also localized at the intersection of dry fractures of this type with the quartz veins which are devoid of alteration envelopes.
- iii) Very fine grained molybdenite is disseminated as isolated grains in the porphyritic granodiorite where it is associated with traces of pyrite which replace ferromagnesian in the quartz latite porphyry. Isolated grains of very fine grained molybdenite occur in the vicinity of the sheared contact at 35E/54N.

Chalcopyrite is subordinate to molybdenite in abundance. In the trench area it occurs essentially with molybdenite and minor pyrite in quartz-filled fractures which are mantled by sericitic alteration. Isolated occurrences of malachite were also encountered in the trench area. At 20E/47.3N chalcopyrite occurs on a fracture plane in porphyritic granodiorite.

In the north and central parts of the property, therefore, minor amounts of chalcopyrite have been noted over a northeast-trending distance of 2800 feet (20E/47.3N to 44E/51N) and a width of 800 feet (32E/51N to 44E/51N). Molybdenite has been observed over a distance of 1000 feet (32E/51N to 42E/53.5N).

Molybdenite float similar in occurrence to that described in (i) above occurs north of the workings at 48E/63.5N and 55E/62N. Also a single isolated occurrence of bornite in a glacial erratic was noted in the southeast corner of the property (92E/17.8N). The bornite occurs as an isolated grain associated with chlorite and biotite on a fracture plane, and it is localized in porphyritic granodiorite containing a small mafic inclusion.

#### 7) Summary of Geology and Mineralization

The Mun group is situated on the east side of a "constriction zone" between two batholiths. The porphyry copper/molybdenum deposit of Brenda Mines Ltd. is localized in this same "construction zone" and is about 10 miles north of the property.

The property is underlain essentially by a porphyritic granodiorite which is intruded by two north-easterly-trending quartz latite dykes in the north and central parts of the property, and by quartz monzonite along the southern boundary of the claim group.

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Widespread but very weak molybdenite and chalcopyrite mineralization is exposed in the north and central areas of the property. Chalcopyrite is exposed for a distance of 2800 feet by 800 feet and molybdenite for a distance of 1000 feet by 250 feet. The mineralization occurs as fracture fillings and it is associated with quartz, sericite and pyrite.

Previous work done on the property before it was acquired by the Company includes soil sampling, trenching totalling 3800 horizontal feet and 2000 feet of percussion drilling in the mineralized zone. 14 shallow backhoe pits were also dug in the vicinity of 78E/20N.

The molybdenite is fine-grained and it is more abundant than chalcopyrite. It occurs in three forms:

- i) as small clots and isolated grains in narrow glassy quartz veins which carry small amounts of feldspar and minor pyrite.

- ii) associated with quartz filling of later fractures which are characterized by sericitic alteration envelopes developed in the country rock, and which carry minor chalcopyrite.

- iii) as very fine grained isolated grains replacing mafic minerals in saussuritized porphyritic granodiorite in the vicinity of quartz veins, and also in sheared quartz latite porphyry near a contact with porphyritic granodiorite.

The grades of molybdenum and copper exposed at surface are extremely low. 32 rock chip samples collected

in the trenches have an average of 31 ppm Mo and 62 ppm Cu. Oxidation of primary sulphides is only weakly developed and therefore leaching effects are not considered to have lowered surface grades significantly.

Weak pyritization accompanies the molybdenite and chalcopyrite and it is best developed in chloritic fault zones.

Fracturing of the country rock is moderate to strong and is best developed in the pits in the southwest of the mineralized area. The density of quartz veins, with or without sulphide mineralization, is generally low (less than 3/yard).

#### SOIL GEOCHEMISTRY

##### 1) Introduction:

The physiography has already been dealt with. The main soil environments are predominantly well drained glacial tills and subordinate amounts of bog which occur in areas underlain by clay lenses in the till or in valleys of very low gradient, as in the south and central parts of the claim group. No glacial striae have been recorded in the area but direction of last ice advance is probably within 20° of due north.

## 2) Sampling Procedures

Soil samples from the "B" horizon were collected at 200 foot intervals along the grid. Silt samples were collected at the intersection of streams and grid lines and also at 400 foot intervals along streams running between the grid lines. Rock chip samples of outcrop were collected at 800 foot intervals along the grid lines. 100 foot composite rock chip samples were collected in the trenches.

All soil and silt samples were stored in special heavy-duty high wet-strength kraft envelopes, air dried in the field. All samples were shipped to Bondar-Clegg and Company Ltd., Vancouver, who performed the analyses.

## 3) Laboratory Procedures

After ensuring that the samples were completely dry, the soils were sieved to minus eighty mesh. An aliquot of this fraction was digested in hot aqua regia and analysed using atomic absorption spectrometry.

Rock chip samples were first pulverized, sieved to -100 mesh and then given the same treatment as that for the soils

## 4) Standard Samples

A standard reference sample was used to check the reliability of the analytical work. A sample of this reference material was included in each 30 to 40 samples and given exactly the same laboratory treatment as the soil and silt.

## 5) Soil Silver Values and Results

Appendix 2 gives the numerical values for the silver content in "B" soils from the Mun Claims.

Fig. 2 shows as a histogram the frequency distribution of the soil silver values, and on this basis the silver values were contoured at 1.0, 2.0, 4.0, and 8.0 ppm levels on Plate 1.

Fig. 3 shows the cumulative frequency data for the soil silver values; background is the 50% percentile and is 0.5 ppm Ag, the 97% percentile is chosen to define anomalous levels and is 5.4 ppm. On this basis Plan 1 locates seventeen areas which could be considered anomalous.

Plan 2 relates the 2.0 ppm Ag contour to anomalous levels of Cu, Mo and Zn and to the geology. Of the forty-four areas delineated only 15 do not relate to the 800 ppm Zn, 100 ppm Cu or 16 ppm Mo levels plotted and the 2 ppm Ag level is rather on the low side in comparison to the levels chosen for the other metals.

However, Plan 2 clearly indicates that the three areally most extensive +2.0 ppm Ag zones are almost exactly co-incident with the areally most extensive Cu, Mo and Zn anomalies. Hence, the controls of the Ag distribution must be the same as that of the Cu-Mo-Zn mineralization, e.g. porphyry-type hydrothermal fracture fillings and veins with visible Cp-Py-Mo-Sp.

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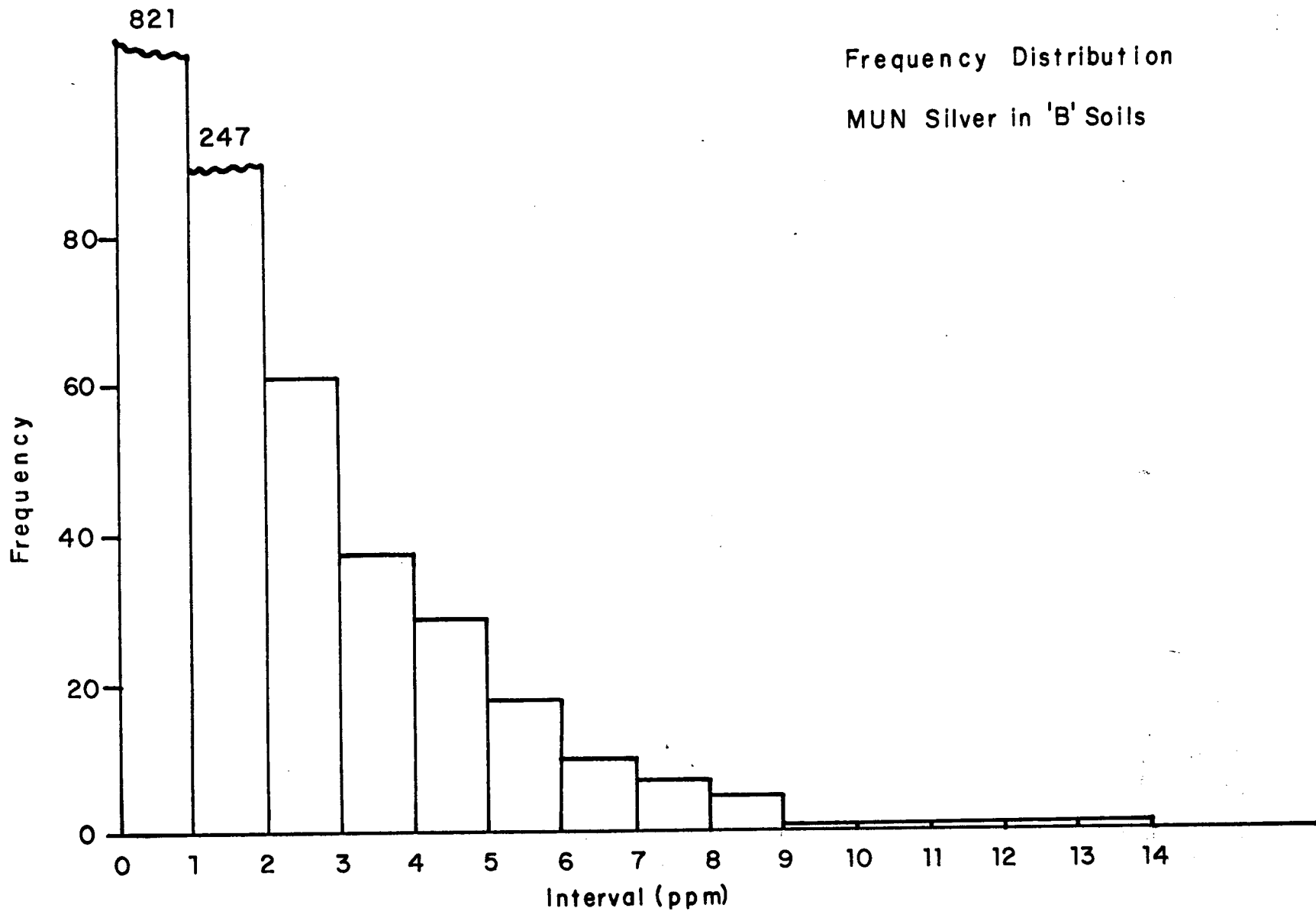


Fig.2

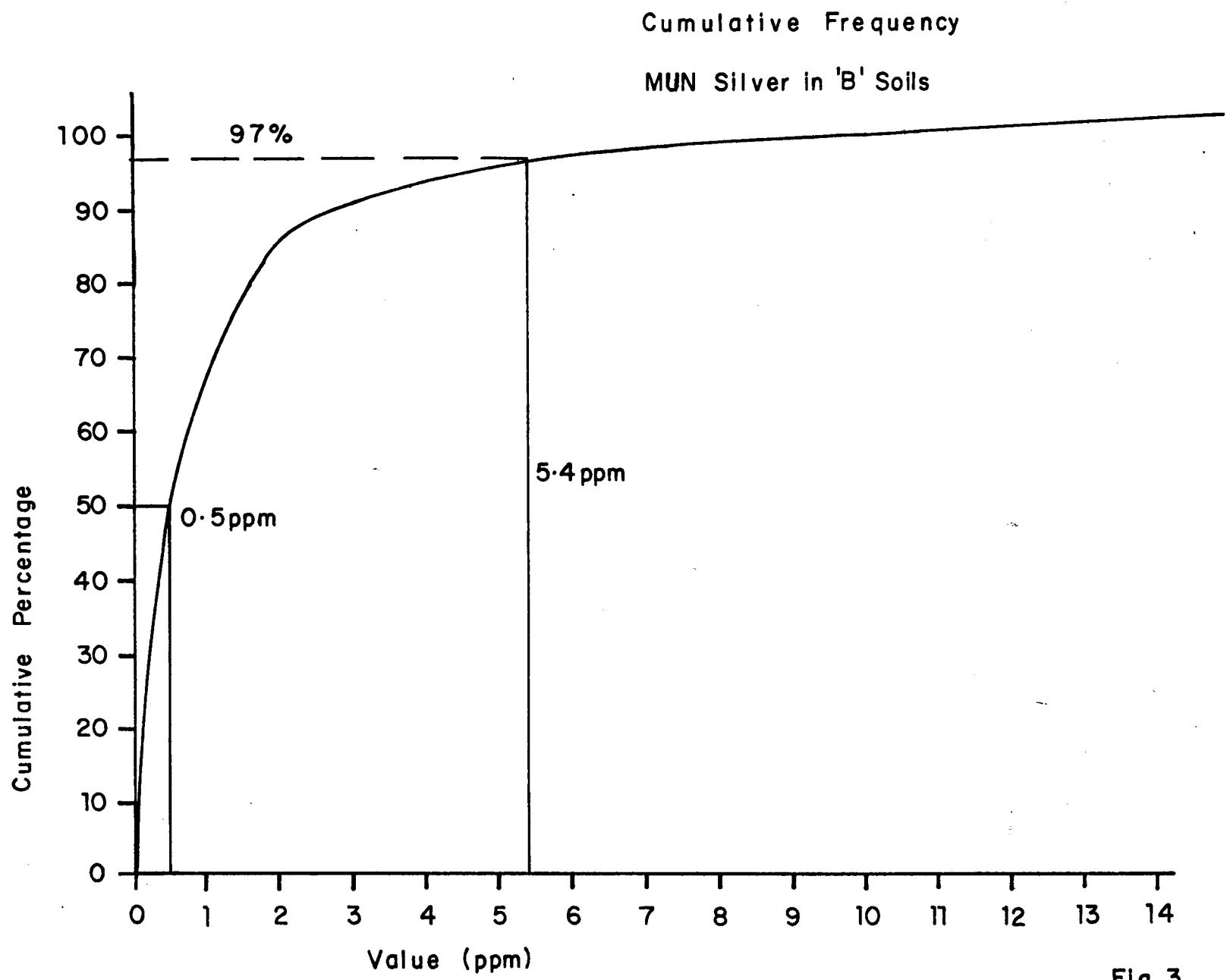


Fig. 3



These three main anomalous areas have been tested by drilling, ddh 74-1, 74-2 and 74-3; but as C.F. Gleeson, Consultant, points out (see Appendix 1), the locus of highest values, has, in fact, not been tested. This site has Cu at 620 ppm, Mo at 29 ppm, Zn at 3400 ppm and Ag at 12.0 ppm.

The target should be drilled from at set up on Line 28+00E, at 69+00N, drill azimuth due north, inclination 45°N for a length of 500 feet.

6) Silver Values in Drill Core

The pulps of the crushed drill core already analysed for Cu, Mo and Zn, were re-analysed for Ag, see Appendix 3. All seven samples which contained excess of 2.0 ppm Ag were assayed for silver and gold, see Appendix 4.

From these results it does seem likely that some silver bearing mineral is tied up with the richer chalcopyrite sections of the fracture filling/hydrothermal vein system rather than with the fine grained, sphalerite mineralization.

DDH Mun 74-2

<u>Sample No.</u>	<u>Footage</u>	<u>Analyses in ppm</u>				<u>Assays in oz./ton</u>	
		<u>Cu</u>	<u>Zn</u>	<u>Mo</u>	<u>Ag</u>	<u>Ag</u>	<u>Au</u>
21625	250-255	740	400	100	13	0.5	-0.003
21626	255-260	960	570	5	2.6	0.20	-0.003
21627	260-265	165	400	23	6.0	0.10	-0.003

DDH Mun 74-3

<u>Sample No.</u>	<u>Footage</u>	<u>Analyses in ppm</u>				<u>Assays in oz./ton</u>	
		<u>Cu</u>	<u>Zn</u>	<u>Mo</u>	<u>Ag</u>	<u>Ag</u>	<u>Au</u>
26389	107-112	245	2900	4	6.8	0.26	-0.003
26390	112-117	16	190	3	0.2	-	-
26391	117-122	60	200	1	0.8	-	-
26392	122-124	12	1520	10	0.8	-	-
26393	129-126.3	3600	1340	22	+30.0	2.72	0.003

CONCLUSIONS AND RECOMMENDATIONS

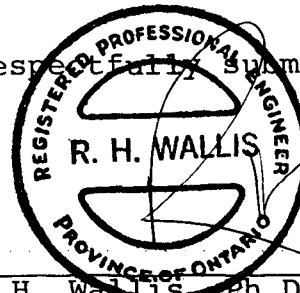
The very strong silver anomaly noted in Geological Survey of Canada Open File Report No. 409 on N.T.S. Sheet 82 E in the area about Munro Lake is well explained by numerous strong "B" horizon soil anomalies in silver. Of 1240 soil samples taken on Mun 1-30 claims, 419 had over 1.0 ppm Ag where statistically 0.5 ppm Ag is background. 172 samples had over 2.0 ppm Ag which is very significant content.

Excellent correlation occurs between the Ag soil anomalies and previously defined Cu-Mo-Zn soil anomalies.

In drill core seven samples (being 5 foot composite split core) have over 2.0 ppm Ag and these samples were assayed for gold and silver. The silver content seems to correlate more to the high copper values than to the high zinc values to the level that these can be separated. The highest values obtained were 2.73 oz./ton silver and 0.003 oz./ton gold over 2.3 feet from 124 feet to 126.3 feet in Mun 74-3.

The highest soil values target of Cu-Mo-Zn-Ag has not yet been drill tested, this should be: Line 28-00E, station 69+00N, azimuth grid N, inclination  $45^{\circ}$ N, length 500 feet.

Respectfully submitted,



*R. H. Wallis*

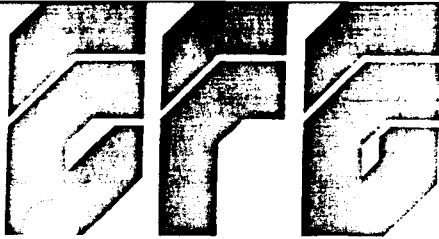
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R.H. Wallis Ph.D., P.Eng.  
Chief Geologist

TORONTO

September 12, 1977

APPENDIX 1



C. F. Gleeson & Associates Ltd. 764 Belfast Road, Ottawa K1G 0Z5, Ontario, Canada  
Phone (613) 232-0796 - (613) 459-4594

August 9, 1977

Memo to: R. Wallace,  
From : C.F. Gleeson  
Subject: Ag results of Mun drill core

AUG 12 1977

After reviewing the Ag analysis on the above drill core I would still recommend 2 additional drill holes, one northwest of 74-1 and one northeast of 74-3. These are large geochemical anomalies and I don't feel they have been tested adequately with only 1 hole in the periphery of each anomaly.

Assays for Ag and Au should be done on the following samples:

- 21625, 26, 27 ✓
- 26375 ✓
- 26389 ✓
- 26393 ✓
- 26436

Regards,

C.F. Gleeson PhD, P.Eng.

ENCL:

27  
JJB  
Aug 10

Values for Ag in soil range from 0.1 to 13ppm; background is about 0.2ppm. Anomalous areas are outlined by 2ppm contour, Ag anomalies coincident with Zn-Cu-Mo soil anomalies.

1. Large Ag anomaly (2-9ppm) lobate to N and W (2000' x 1000') on Mun 11 and 29; D.D.H. 74-1 put down on 2ppm Ag value on east edge of this anomaly. Central part of the Ag zone not drilled or trenched but it should be, especially in vicinity of N.W. fault.

2. Another large N-W trending Ag (2-12ppm) anomaly (1000' x 1800') on Mun 9-10. Highest value (13ppm) station here cut by D.D.H. 74-2.

3. A long NE trending 2.4 - 12ppm Ag zone (3000' x 400') crosses Mun 16, 17 and 18. D.D.H. 74-3 drilled into 2.4ppm Ag soil value on northwest side of this anomaly.

4. On Mun 27, 28 and 30 there is an east-west trending Ag anomaly (2.2 - 4.4ppm) 1800' x 200' - no follow-up work done on this anomaly.

5. In the southeast corner of the claims (Mun 1-4) there is an irregular shaped anomaly (1000' x 400') ranging from 2.8 - 6.6ppm. No follow-up work done here.

6. Several small Ag anomalies scattered about claims; as with the above 5 they all have coincident soil anomalies in Zn-Mo-Cu.

28

RECOMMENDATIONS

Final recommendations must await the Ag analysis of the drill core. However the Ag anomalies on this property are large and strong and they are worth following up. The stringers and specks of an unidentified metallic grey-black mineral described by M. Henrick in drill hole 74-3 could be tetrahedrite or some other silver bearing mineral.

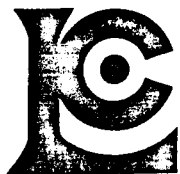
More trenching or another drill hole is recommended for the heart of the Ag anomaly northwest of D.D.H. 74-1 and northeast of D.D.H. 74-3. Following the results of the Ag analyses on drill core from 74-1, 2, 3 additional drilling may be warranted on the Ag zones. The best Ag zones in the drill core should also be analyzed for Au.

Submitted by,



July 28, 1977

C.F. Gleeson PhD, P.Eng.



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*File*

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CERTIFICATE NO. 39855  
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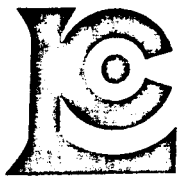
*MUN*

SAMPLE NO. :	PPM Silver
24-408 1046	1.2
1047	0.6
1048	0.8
1049	0.6
1050	0.6
1051	0.4
1052	1.0
1053	0.8
1054	0.4
1055	0.4
1056	0.4
1057	3.6
1058	1.6
1059	1.0
1060	0.8
1061	0.6
1062	1.6
1063	1.2
1064	0.4
1065	1.0
1066	1.4
1067	0.2
1068	1.4
1069	1.4
1070	0.4
1071	0.4
1072	1.4
1073	0.8
1074	0.8
1075	0.2
1076	1.0
1077	0.4
1078	0.4
1079	0.6
1080	1.2
1081	0.8
1082	0.6
1083	0.8
1084	0.6
24-408 1085	0.8
STD.	7.6



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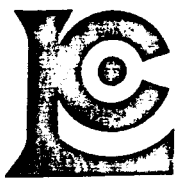
SAMPLE NO. :	PPM Silver
24-408 1086	2.2
1087	0.6
1088	0.8
1089	0.8
1090	1.0
1091	0.8
1092	3.6
1093	0.6
1094	0.2
1095	0.2
1096	0.2
1097	0.1
1098	0.2
1099	1.2
1100	1.0
1101	0.6
1102	1.0
1103	1.2
1104	3.0
1105	0.6
1106	0.4
1107	1.0
1108	0.2
1109	0.8
1110	1.0
1111	0.6
1112	0.4
1113	0.4
1114	0.2
1115	0.8
1116	0.2
1117	0.8
1118	0.2
1119	0.1
1120	2.4
1121	0.2
1122	2.2
1123	1.2
1124	0.4
24-408 1125	1.0
STD.	8.0



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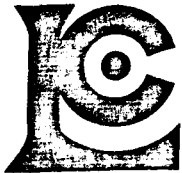
CERTIFICATE NO. 39857  
 INVOICE NO. 20441  
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SAMPLE NO. :	PPM Silver
24-408 1126	1.2
1127	1.4
1128	1.2
1129	1.2
1130	1.4
1131	0.8
1132	0.4
1133	1.2
1134	0.2
1135	0.4
1136	5.0
1137	0.8
1138	0.4
1139	8.6
1140	0.8
1141	0.1
1142	1.2
1143	0.8
1144	1.2
1145	0.6
1146	0.4
1147	4.0
1148	1.4
1149	0.6
1150	1.2
1151	0.4
1152	0.6
1153	0.8
1154	0.4
1155	0.6
1156	1.4
1157	0.4
1158	1.0
1159	0.6
1160	0.8
1161	1.8
1162	1.8
1163	1.0
1164	1.4
24-408 1165	0.6
STD.	7.8



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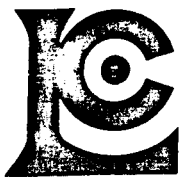
CERTIFICATE NO. 39858  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

SAMPLE NO. :	PPM
	Silver
24-408 1166	Not Sufficient Sample
1167	6.0
1168	0.8
1169	0.4
1170	3.4
1171	0.8
1172	1.2
1173	0.4
1174	0.4
1175	0.4
1176	0.8
1177	0.8
1178	0.6
1179	1.0
1180	0.4
1181	1.4
1182	0.4
1183	0.6
1184	0.8
1185	0.6
1186	2.4
1187	7.6
1188	0.6
1189	0.6
1190	2.6
1191	6.2
1192	1.0
1193	2.6
1194	2.0
1195	1.4
1196	1.4
1197	1.4
1198	1.4
1199	0.4
1200	0.6
24-408 1201	5.2
24-430 1202	0.8
1203	1.0
1204	7.8
24-430 1205	0.6
STD.	7.8



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 TELEX: 043-520

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SAMPLE NO. :	PPM Silver
24-430 1206	0.6
1207	0.6
1208	2.8
1209	1.0
1210	1.4
1211	1.2
1212	1.4
1213	2.8
1214	1.0
1215	0.6
1216	0.6
1217	0.8
1218	0.6
1219	1.0
1220	0.8
1221	1.4
1222	1.4
1223	1.0
1224	0.6
1225	0.2
1226	0.6
1227	2.0
1228	0.6
1229	2.0
1230	1.4
1231	2.0
1232	3.2
1233	1.0
1234	0.6
1235	0.2
1236	0.6
1237	1.0
1238	1.0
1239	0.8
1240	0.4
1241	0.2
1242	0.4
1243	1.0
1244	1.4
24-430 1245	2.0
STD.	7.4



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AREA CODE: 604  
TELEX: 043-52597

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## CERTIFICATE OF ANALYSIS

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Toronto, Ontario

ATTN: P. Nicholls

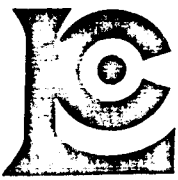
CERTIFICATE NO. 39860  
INVOICE NO. 20441  
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ANALYSED June 23/77

SAMPLE NO. :	PPM Silver
24-430 1246	2.8
1247	2.4
1248	3.4
1249	8.4
1250	1.0
1251	2.6
1252	0.6
1253	0.6
1254	0.4
1255	0.6
1256	0.4
1257	0.8
1258	0.2
1259	0.6
1260	0.8
1261	0.6
1262	0.6
1263	0.4
1264	0.4
1265	0.4
1266	0.6
1267	0.8
1268	0.8
1269	0.4
1270	0.4
1271	5.4
24-430-1272	6.6
24-287-1272	0.1
24-430-1273	3.2
24-287 1273	0.1
24-430 1274	0.6
1275	1.0
1276	0.8
1277	0.6
1278	0.6
24-430 1279	0.4
24-408 1280	8.6
1281	1.2
1282	0.4
24-408 1283	1.4
	7.4



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CERTIFICATE NO. 39861  
INVOICE NO. 20441  
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SAMPLE NO. :	PPM Silver
24-408 1284	1.4
1285	0.2
1286	0.1
1287	0.2
1288	1.4
1289 *	0.4
1290	0.1
1291	NSS
1292	NSS
1293	0.2
1294	0.4
1295	0.6
1296	1.6
1297	1.2
1298	1.0
1299	1.0
1300	0.6
1301	0.4
1302	0.4
1303	0.4
1304	0.8
1305	0.8
1306	0.4
1307	0.4
1308	NSS
1309	0.8
1310	0.6
1311 *	13
1312	1.2
1313	NSS
1314	2.0
1315	0.6
1316	1.2
1317	1.0
1318	1.6
1319	0.4
1320	1.0
1321	0.6
1322	0.4
24-408 1323	0.6
	7.4

\* - High Mn  
NSS - Not Sufficient Sample



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CERTIFICATE NO. 39862  
 INVOICE NO. 20441  
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SAMPLE NO. :	PPM Silver
24-408 1324	0.2
1325	4.2
1326	0.2
1327	0.2
1328	0.4
1329	0.6
1330	1.2
1331	1.4
1332	1.2
1333	2.2
1334	1.2
1335	0.2
1336	0.2
1337	0.8
1338	1.0
1339	0.6
1340	0.4
1341	1.4
1342	0.4
1343	1.8
1344	0.8
1345	0.6
1346	1.4
1347	0.4
1348	1.0
24-408 1349	0.6
24-446 1350	2.4
24-408 1351	1.2
1352	0.1
1353	0.6
1354	0.1
1355	0.4
1356	1.0
1357	1.0
1358	0.6
1359	0.4
1360	0.6
1361	0.1
1362	0.4
24-408 1363	0.6
STD.	7.8



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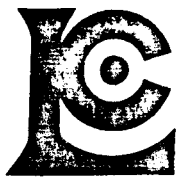
CERTIFICATE NO. 39863  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

SAMPLE NO. :	PPM	
		Silver
24-408 1364	0.4	
1365	0.1	
1366	0.2	
1367	1.0	
1368	1.0	
1369	1.2	
1370	0.8	
1371	1.2	
1372	2.2	
1373	0.8	
1374	1.4	
1375	1.0	
1376	4.4	
1377	1.0	
1378	0.8	
1379	0.8	
1380	1.0	
1381	1.2	
1382	1.2	
1383	1.0	
1384	1.2	
1385	0.4	
1386	1.4	
1387	1.0	
1388	0.2	
1389	0.4	
1390	0.2	
1391	0.6	
1392	2.2	
1393	NSS	NSS - Not Sufficient Sample
1394	1.2	
1395	0.6	
24-408 1396	2.2	
24-430 1397	0.6	
1398	0.2	
1399	3.4	
1400	0.4	
1401	0.4	
1402	0.2	
24-430 1403	1.0	
STD.	7.4	



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CERTIFICATE NO. 39864  
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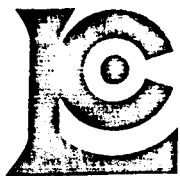
SAMPLE NO. :	PPM
	Silver
24-430 1404	0.8
1405	0.8
1406	1.4
1407	0.6
1408	1.4
1409	0.8
1410	0.6
1411	0.6
1412	0.6
1413	0.8
1414	12
1415	0.6
1416	1.2
1417	1.0
1418	1.4
1419	0.6
1420	1.0
1421	0.8
1422	1.0
1423	1.2
1424	1.6
1425	0.8
1426	1.0
1427	0.8
1428	1.0
1429	0.6
1430	1.6
1431	0.6
1432	0.2
1433	1.0
1434	1.2
1435	0.4
1436	0.2
1437	0.4
1438	0.6
1439	0.2
1440	0.1
1441	0.4
1442	1.0
24-430 1443	0.6
STD.	8.0



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ATTN: P. Nicholls

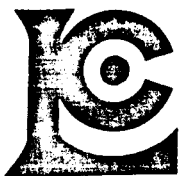
CERTIFICATE NO. 39865  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

SAMPLE NO. :	PPM	
	Silver	
24-430 1444	1.0	
1445	0.2	
1446	1.4	
1447	3.6	
1448	1.4	
1449	5.0	
1450	NSS	
1451	3.6	
1452	3.8	
1453	0.8	
1454	1.2	
1455	0.6	
1456	1.4	
1457	1.6	
1458	0.8	
1459	1.4	
1460	0.6	
1461	1.0	
1462	0.8	
1463	0.6	
1464	1.6	
1465	1.0	
1466	0.2	
1467	0.1	
1468	0.8	NSS - Not Sufficient Sample
1469	0.4	
1470	0.2	
1471	0.2	
1472	0.4	
1473	0.4	
1474	0.1	
1475	0.8	
1476	0.4	
1477	0.2	
1478	0.6	
1479	0.6	
1480	0.2	
1481	1.6	
1482	0.1	
24-430 1483	0.1	
STD.	7.4	



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ATTN: P. Nicholls

CERTIFICATE NO. 39866  
 INVOICE NO. 20441  
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 ANALYSED June 23/77

SAMPLE NO. :	PPM Silver
24-430 1484	1.4
1485	1.0
1486	5.2
1487	3.0
1488	5.2
1489	0.2
1490	0.4
1491	0.8
1492	1.4
1493	0.2
1494	0.4
1495	1.2
1496	2.0
1497	1.0
1498	0.6
1499	0.4
1500	0.8
1501	1.6
1502	0.6
1503	0.8
1504	1.4
1505	1.8
1506	0.6
1507	0.2
1508	0.1
1509	0.2
1510	0.6
1511	0.6
1512	0.1
1513	0.1
1514	0.6
1515	0.8
1516	0.4
1517	1.0
1518	0.4
1519	0.6
1520	0.8
1521	0.4
1522	2.8
24-430 1523	1.6
STD.	7.4



MEMBER  
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 ASSOCIATION

CERTIFIED BY: Hart Biddle



# CHEMEX LABS LTD.

212 BROOKSBANK AVI  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2G1  
 TELEPHONE: 985-0644  
 AREA CODE: 604  
 TELEX: 043-52557

• ANALYTICAL CHEMISTS    ••GEOCHEMISTS    •• REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39867  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

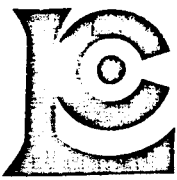
TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario  
 ATTN: P. Nicholls

SAMPLE NO. :	PPM Silver	
24-430 1524	2.8	
1525 *	3.2	* - High Mn
1526	2.4	
1527	0.4	
1528	0.8	
1529	0.8	
1530	0.6	
1531	0.4	
1532	0.4	
1533	0.1	
1534	1.2	
1535	0.8	
1536	1.4	
1537	0.4	
1538	0.8	
1539	0.6	
1540	0.4	
1541	0.6	
1542	1.2	
1543	0.4	
1544	0.2	
1545	0.6	
1546	0.6	
1547	0.8	
1548	0.6	
1549	0.8	
1550	0.6	
1551	0.6	
1552	0.4	
1553	0.4	
1554	0.4	
1555	0.6	
1556	0.1	
1557	0.2	
1558	3.4	
1559	1.4	
1560	8.2	
1561	1.0	
1562	7.6	
24-430 1563	0.6	
STD.	7.4	



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario

ATTN:

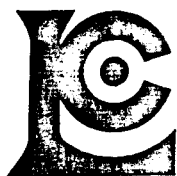
CERTIFICATE NO. 39868  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

SAMPLE NO. :	PPM Silver
24-430 1564	0.6
1565	0.8
1566	0.6
1567	0.6
1568	2.0
1569	0.2
1570	0.4
1571	0.8
1572	7.2
1573	1.4
1574	0.6
1575	1.2
1576	1.4
1577	1.4
1578	0.6
1579	0.4
1580	0.4
1581	0.6
1582	0.2
1583	0.4
1584	0.4
1585	0.4
1586	0.6
1587	1.4
1588	1.0
1589	0.8
1590	1.4
1591	1.0
1592	0.1
1593	0.4
1594	0.2
1595	0.4
1596	0.4
1597	0.1
1598	0.4
1599	3.0
1600	0.8
1601	0.6
1602	1.2
24-430 1603	1.0
STD.	7.4



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212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39869  
 INVOICE NO. 20441  
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 ANALYSED June 23/77

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario  
 ATTN: P. Nicholls

SAMPLE NO. :	PPM Silver
24-430 1604	1.4
1605	0.6
1606	0.6
1607	1.0
1608	1.0
1609	0.8
1610	0.4
1611	0.6
1612	0.4
1613	0.4
1614	2.4
1615	1.0
1616	1.8
1617	2.0
1618	3.6
1619	0.8
1620	1.0
1621	1.2
1622	1.2
1623	0.2
1624	1.6
1625	1.2
1626	2.2
1627	0.6
1628	0.8
1629	1.0
24-430 1630	1.2
24-408 1631	0.6
1632	0.2
1633	0.6
1634	0.8
1635	0.2
1636	0.2
1637	0.2
1638	0.4
1639	2.0
1640	2.0
1641	0.6
1642	0.6
24-408 1643	0.4
	7.8



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212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

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## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39870  
INVOICE NO. 20441  
RECEIVED June 20/77  
ANALYSED June 23/77

TO: Canadian Occidental Petroleum Ltd.  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ontario  
ATTN: P. Nicholls

SAMPLE NO. :	PPM Silver
24-408 1644	0.8
1645	0.6
1646	1.8
1647	4.2
1648	0.6
1649	0.6
1650	0.6
1651	0.1
1652	0.1
1653	0.2
1654	2.2
1655	0.6
1656	1.2
1657	1.0
1658	1.0
1659	0.2
1660	0.2
1661	1.0
1662	2.0
1663	1.8
1664	2.8
1665	0.8
1666	0.8
1667	0.8
1668	0.6
24-408 1669	0.4
24-430 1670	0.6
1671	0.1
1672	0.2
1673	0.2
1674	0.2
1675	0.6
1676	0.2
1677	0.4
1678	0.1
1679	0.1
1680	0.1
1681	0.1
1682	2.6
24-430 1683	0.4
STD.	7.4



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39871  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

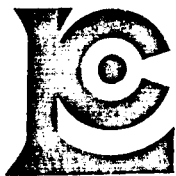
TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario  
 ATTN: P. Nicholls

SAMPLE NO. :	PPM
	<b>Silver</b>
24-430 1684	0.6
1685	0.2
1686	0.6
1687	0.6
1688	1.4
1689	0.1
1690	0.2
1691	0.2
1692	0.2
1693	0.1
1694	0.8
1695	1.8
1696	1.2
1697	0.6
1698	0.6
1699	0.4
1700	0.6
1701	2.6
1702	2.6
1703	7.8
1704	3.4
1705	1.0
1706	1.2
1707	0.2
1708	0.4
1709	0.1
1710	0.4
1711	0.4
1712	0.6
1713	0.2
1714	2.0
1715	2.8
1716	0.2
1717	0.4
1718	0.2
1719	0.8
1720	0.6
1721	0.4
1722	0.6
24-430 1723	1.2
STD,	8.0



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CERTIFIED BY: Hartbill



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario  
 ATTN: P. Nicholls

CERTIFICATE NO. 39872  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

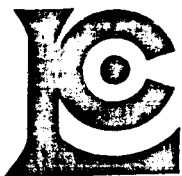
SAMPLE NO. :	PPM Silver
24-430 1724	2.0
1725	0.2
1726	0.4
1727	0.2
1728	0.2
1729	0.4
1730	0.1
1731	0.2
1732	0.2
1733	0.1
1734	0.4
1735	0.4
1736	0.4
1737	0.2
1738	0.4
1739	1.0
1740	1.4
1741	4.6
1742	4.8
1743	5.4
1744	5.8
1745	6.4
1746	9.0
1747	0.4
1748	0.4
1749	0.2
1750	0.6
1751	0.6
1752	0.4
1753	0.4
1754	0.4
1755	0.1
1756	0.2
1757	0.2
1758	0.2
1759	0.6
1760	0.2
1761	0.4
1762	0.4
24-430 1763	0.6
STD.	8.0



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CERTIFIED BY: *Hartfield*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS    ••GEOCHEMISTS    • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario

ATTN: P. Nicholls

CERTIFICATE NO. 39873  
 INVOICE NO. 20441  
 RECEIVED June 20/77  
 ANALYSED June 23/77

SAMPLE NO. :	PPM
	Silver
24-430 1764	0.4
1765	1.2
1766	0.8
1767	0.8
1768	0.4
1769	0.1
1770	0.1
1771	0.1
1772	0.2
1773	0.4
1774	0.2
1775	0.1
1776	0.1
1777	0.8
1778	1.4
1779	3.0
1780	2.0
1781	4.2
1782	0.2
1783	1.4
1784	1.2
1785	0.6
24-430 1786	0.4
24-408 1787	0.2
1788	0.2
1789	0.1
1790	0.4
1791	0.2
1792	0.2
1793	0.4
1794	0.1
1795	0.4
1796	0.2
1797	0.2
1798	0.2
1799	0.4
1800	0.6
1801	1.0
1802	0.2
24-408 1803	0.4
	7.6



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CERTIFIED BY: Hart Biddle



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS    • GEOCHEMISTS    • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39874

TO: Canadian Occidental Petroleum Ltd.,  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ont. M4P 1J5

INVOICE NO. 20455

RECEIVED June 20, 1977

ANALYSED June 24, 1977

ATTN: *MUN*

SAMPLE NO. :	ppm Ag
24-408 1804	0.4
1805	0.4
1806	0.2
1807	0.8
1808	0.4
1809	1.8
1810	0.2
1811	0.2
1812	0.1
1813	0.1
1814	1.8
1815	0.6
1816	0.2
1817	1.4
1818	1.0
1819	1.2
1820	0.6
1821	0.8
1822	0.8
1823	0.2
1824	0.2
1825	0.4
1826	0.1
1827	0.2
1828	0.1
1829	0.1
1830	0.1
1831	0.1
1832	0.1
1833	0.1
1834	0.6
1835	0.6
1836	0.2
1837	0.4
1838	1.0
1839	1.2
1840	1.6
1841	1.6
1842	0.1
24-408 1843	0.4
Std.	7.4



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39875

TO: Canadian Occidental Petroleum Ltd.,  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ont. M4P 1J5  
 ATTN:

INVOICE NO. 20455

RECEIVED June 20, 1977

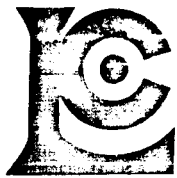
ANALYSED June 24, 1977

SAMPLE NO. :	ppm Ag
24-408 1844	0.4
1845	0.2
1846	0.2
1847	0.4
1848	0.6
1849	0.8
1850	0.2
1851	0.1
1852	0.2
1853	2.8
1854	1.6
1855	1.6
1856	4.0
1857	1.2
1858	0.6
1859	0.8
1860	2.0
1861	2.6
1862	0.4
1863	0.8
1864	0.4
1865	0.1
1866	0.1
1867	0.1
1868	0.1
1869	0.2
1870	0.6
1871	0.6
1872	0.1
1873	0.2
1874	0.4
1875	5.4
1876	2.0
1877	0.1
1878	0.4
1879	0.4
1880	0.8
1881	0.2
1882	0.4
24-408 1883	0.4
Std.	7.4



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.,  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ont. M4P 1J5  
ATTN:

CERTIFICATE NO. 39876

INVOICE NO. 20455

RECEIVED June 20, 1977

ANALYSED June 24, 1977

SAMPLE NO. :	ppm Ag
24-408 1884	0.1
1885	0.2
1886	0.1
1887	0.1
1888	0.1
1889	0.1
1890	0.2
1891	0.2
1892	0.4
1893	0.2
1894	2.6
1895	4.4
1896	0.1
1897	0.1
1898	2.2
1899	1.0
1900	0.2
1901	1.0
1902	0.6
1903	0.2
1904	0.1
1905	0.1
1906	0.1
1907	0.1
1908	0.2
1909	0.1
1910	0.1
1911	0.1
1912	0.1
1913	1.2
1914	0.1
1915	0.4
1916	0.2
1917	0.1
1918	0.2
1919	0.1
1920	0.6
1921	0.4
1922	0.1
24-408 1923	0.1
Std.	7.4



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
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 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.,  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ont. M4P 1J5  
 ATTN:

CERTIFICATE NO. 39877  
 INVOICE NO. 20455  
 RECEIVED June 20, 1977  
 ANALYSED June 24, 1977

SAMPLE NO. :	ppm Ag
24-408 1924	0.2
1925	3.2
1926	1.8
1927	0.4
1928	0.2
1929	0.2
1930	0.6
1931	0.4
1932	0.4
1933	0.6
1934	0.4
1935	3.4
1936	0.1
1937	0.2
1938	0.4
1939	0.8
1940	0.2
1941	0.8
1942	0.6
1943	0.1
1944	0.6
1945	0.8
1946	0.2
1947	0.6
1948	0.2
1949	0.1
1950	0.2
1951	0.1
1952	0.2
1953	0.4
1954	0.6
1955	0.2
1956	0.2
1957	0.4
1958	0.4
1959	0.2
1960	0.6
1961	0.1
1962	0.2
24-408 1963	0.1
Std.	8.0



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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS    • GEOCHEMISTS    • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.,  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ont. M4P 1J5  
ATTN:

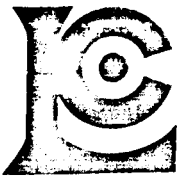
CERTIFICATE NO. 39878  
INVOICE NO. 20455  
RECEIVED June 20, 1977  
ANALYSED June 24, 1977

SAMPLE NO. :	ppm Ag
24-408 1964	0.4
1965	2.0
1966	0.4
1967	0.6
1968	0.1
1969	0.2
1970	0.2
1971	0.6
1972	0.4
1973	0.8
1974	3.2
1975	0.6
1976	0.4
1977	0.2
1978	1.2
1979	0.6
1980	0.8
1981	2.4
1982	0.6
1983	0.2
1984	0.2
1985	0.6
1986	0.8
1987	1.2
1988	0.6
1989	0.2
1990	1.0
1991	2.2
1992	0.4
1993	0.2
1994	0.1
1995	0.4
1996	0.4
1997	0.4
1998	0.2
1999	0.6
24-408 2000	0.4
74-517 2001	1.0
74-517 2002	1.2
24-408 4825	1.0
Std.	7.4



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ASSOCIATION

CERTIFIED BY: *Harry Biele*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS    • GEOCHEMISTS    • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39879  
INVOICE NO. 20455  
RECEIVED June 20/77  
ANALYSED June 24/77

TO: Canadian Occidental Petroleum Ltd.  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ontario  
ATTN: P. Nicholls

SAMPLE NO. :	PPM
	Silver
24-408 4826	0.1
4827	0.1
4828	0.1
4829	0.1
4830	0.1
4831	0.1
4832	0.1
4833	0.1
4834	0.1
4835	0.1
4836	0.1
4837	0.1
4838	0.1
4839	0.1
4840	0.1
4841	0.1
4842	0.1
4843	0.1
4844	0.1
4845	0.1
4846	NSS
4847	NSS
4848	NSS
4849	NSS
4850	0.1
4851	0.1
4852	0.1
4853	0.2
4854	0.1
4855	0.1
4856	0.1
4857	0.1
4858	0.1
4859	0.1
4860	0.1
24-408 4861	0.1
24-430 4896	0.8
4897	0.6
4898	0.8
24-430 4899	4.8
STD.	7.4

NSS - Not Sufficient Sample



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY: *Harry Balle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS      • GEOCHEMISTS      • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
Minerals Division  
801 - 161 Eglinton Ave East  
Toronto, Ontario

CERTIFICATE NO. 39880  
INVOICE NO. 20455  
RECEIVED June 20/77  
ANALYSED June 24/77

ATTN:

SAMPLE NO. :	PPM
	Silver
24-430 4900	4.0
4901	1.2
4902	5.4
4903	4.8
4904	6.8
4905	1.0
4906	0.2
4907	0.4
24-430 4908	0.8
24-446 4910	1.0
4911	0.4
4912	1.2
4913	0.8
4914	0.6
4915	2.0
4916	NSS
4917	NSS
4918	0.6
4919	0.6
4920	0.2
4921	0.8
4922	0.1
4923	0.6
4924	0.6
4925	0.4
4926	0.6
4927	1.2
4928	0.2
4929	0.2
4930	1.4
4931	1.0
4932	2.0
4933	0.4
4934	0.8
4935	0.6
4936	0.6
4937	0.8
4938	0.4
5001	0.2
24-446 5002	1.0
	7.4
	NSS - Not Sufficient Sample



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:

*Hartfield*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ontario  
ATTN: P. Nicholls

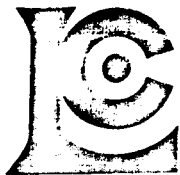
CERTIFICATE NO. 39881  
INVOICE NO. 20455  
RECEIVED June 20/77  
ANALYSED June 24/77

SAMPLE NO. :	PPM
	Silver
24-446 5003	1.0
5004	1.2
5005	7.2
5006	3.0
5007	0.6
5008	1.8
5009	0.4
5010	1.0
5011	1.0
5012	0.8
5013	0.4
5014	0.6
5015	0.6
5016	1.2
5017	1.8
5018	1.0
5019	0.6
5020	0.8
24-446 5021	0.4
24-430 5028	0.1
5029	0.1
24-430 5030	3.6
24-446 5031	0.1
5032	0.2
5033	0.2
5034	0.2
5035	0.2
5036	0.2
5037	0.2
5038	0.1
5039	0.2
5040	0.1
5041	0.1
5042	0.6
5043	0.2
5044	0.4
5045	0.6
5046	0.6
5047	1.2
24-446 5048	0.6
STD.	7.4



MEMBER  
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ASSOCIATION

CERTIFIED BY: *Hartfield*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS      ••GEOCHEMISTS      ••REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario  
 ATTN: P. Nicholls

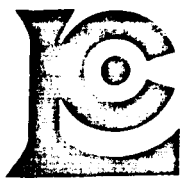
CERTIFICATE NO. 39882  
 INVOICE NO. 20455  
 RECEIVED June 20/77  
 ANALYSED June 24/77

SAMPLE NO. :	PPM Silver
24-446 5049	0.4
5050	0.6
5051	0.8
5052	1.2
5053	0.1
24-446 5054	0.2
24-430 5055	4.6
5056	3.4
5057	5.0
5058	3.2
5059	0.4
5060	0.6
5061	0.4
5062	0.2
5063	0.4
5064	1.2
5065	1.8
5066	1.0
5067	0.1
5068	0.6
24-430 5069	0.1
24-446 5070	0.6
5071	0.4
5072	2.4
5073	1.4
5074	0.4
5075	1.2
5076	0.6
5077	0.2
5078	0.6
5079	0.2
24-446 5080	0.1
24-408 5081	0.1
5082	0.1
5083	0.1
5084	0.4
5085	0.2
5086	0.2
5087	0.2
24-408 5088	0.2
STD.	7.4



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Harrell*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.,  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ont.

ATTN: P.E. Nicholls

CERTIFICATE NO. 39883  
INVOICE NO. 20455  
RECEIVED June 20/77  
ANALYSED June 24/77

SAMPLE NO. :	PPM
	Silver
24-408 5089	0.2
5090	0.1
5091	0.2
5092	0.2
5093	0.6
5094	0.4
5095	0.1
5096	0.1
5097	0.1
5098	0.1
24-408 5100	0.1
24-446 5101	0.6
5102	0.8
5103	0.6
5104	0.8
5105	0.6
5106	0.6
5107	4.4
5108	1.2
5109	0.6
5110	1.0
5111	0.4
5112	1.6
5113	1.2
5114	0.6
5115	1.0
5116	0.4
5117	0.2
5118	0.6
5119	0.2
5120	0.4
5121	0.2
5122	0.2
5123	0.2
5124	0.2
5125	0.6
5126	0.6
5127	0.4
5128	0.6
24-446 5129	0.2
Std.	7.4



MEMBER  
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ASSOCIATION

CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.,  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ont.  
ATTN: P. E. Nicholls

CERTIFICATE NO. 39884  
INVOICE NO. 20455  
RECEIVED June 20/77  
ANALYSED June 24/77

SAMPLE NO. :	PPM	
		Silver
24-446 5130	1.8	
5131	0.4	
24-446 5132	0.6	
24-430 5401	0.1	High Manganese
5402	3.8	
5403	4.0	
5404	6.6	
5405	3.8	
5406	0.4	
5407	7.0	
5408	6.2	
5409	1.6	
5410	5.2	
5411	2.2	
5412	3.6	
5413	2.2	
5414	3.6	
5415	1.8	
5416	6.8	
5417	NSS	
5418	3.2	
5419	4.2	
5420	4.0	
5421	2.2	
5422	3.0	
5423	2.4	
5424	4.0	
5425	3.2	
5426	1.6	
5427	3.0	
5428	0.6	
5429	NSS	
5430	3.6	
5431	4.6	
5432	5.0	
5433	14	
5434	5.6	
5435	5.8	
5436	4.4	
4-430 5437	1.6	
Std.	7.4	



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ASSOCIATION

CERTIFIED BY: *Hart Biddle*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS    • GEOCHEMISTS    • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 39885

TO: Canadian Occidental Petroleum Ltd.,  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ont.

INVOICE NO. 20455

RECEIVED June 20/77

ATTN: P.E. Nicholls

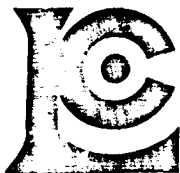
ANALYSED June 24/77

SAMPLE NO. :	PPM
	Silver
24-430 5438	5.2
5439	4.8
5440	8.4
5441	4.0
5442	2.8
5443	4.8
5444	1.8
5445	4.2
5446	5.6
5447	4.6
5448	3.8
5449	4.4
5450	4.8
5451	11
5452	4.2
5453	6.0
5454	1.6
5455	2.4
5456	1.4
5457	1.2
5458	2.0
5459	NSS
5460	0.1
5461	0.1
24-430 5462	5.4
24-446 5463	0.8
5464	1.0
5465	0.4
5466	0.4
5467	0.2
24-446 5468	0.4
24-430 5469	1.2
5470	6.4
5471	3.8
5472	4.0
24-430 5473	3.4
24-446 5474	0.1
5475	1.4
5476	1.2
24-446 5477	0.6
Std.	7.4



MEMBER  
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ASSOCIATION

CERTIFIED BY: *Hart Bill*



MUN

APPENDIX 3

DRILL CORE

# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

- ANALYTICAL CHEMISTS
- GEOCHEMISTS
- REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.,  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ont. M4P 1J5

ATTN:

CERTIFICATE NO. 39886

INVOICE NO. 20455

RECEIVED June 20, 1977

ANALYSED June 24, 1977

SAMPLE NO. :	ppm
	Ag
24-430 5479	3.6
5480	4.4
24-430 5481	4.8
24-446 5482	1.0
24-446 5483	0.2
24-430 5484	11
5485	5.6
5486	0.4
24-430 5487	4.8
24-446 5488	NSS
5489	0.8
5490	1.4
24-446 5491	0.8
24-430 5493	5.6
24-446 5496	0.2
5497	0.8
24-446 5498	5.0
<del>24-857 5499</del>	<del>5.4</del>
21601	0.1
21602	0.1
21603	0.1
21604	0.1
21605	0.1
21606	0.1
21607	1.0
21608	0.1
21609	0.1
21610	0.1
21611	0.1
21612	0.1
21613	0.1
21614	0.1
21615	0.1
21616	0.1
24-857 21617	0.1
24-869 21618	0.1
21619	0.1
21620	0.1
21621	0.1
24-869 21622	0.1
Std.	7.4



MEMBER  
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ASSOCIATION

CERTIFIED BY: Hart Riche



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604  
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
Minerals Division  
801 - 161 Eglinton Ave. East  
Toronto, Ontario  
ATTN: P. Nicholls

CERTIFICATE NO. 39887  
INVOICE NO. 20455  
RECEIVED June 20/77  
ANALYSED June 24/77

SAMPLE NO. :	PPM Silver'
24-869 21623	0.1
21624	0.1
21625 *	13 .
21626 *	2.6 :
21627	6.0 .
21628	0.1
21629	0.1
21630	0.4
21631	0.1
21632	1.2
21633	0.1
24-869 21634	0.1
24-820 26326	0.1
26327	0.1
26328	0.1
26329	0.1
26330	0.1
26331	0.1
26332	0.1
26333	0.1
26334	0.1
26335	0.1
26336	0.1
26337	0.1
26338	0.1
26339	0.2
26340	0.2
26341	0.2
26342	0.1
26343	0.1
26344	0.1
26345	0.1
26346	0.1
26347	0.2
26348	0.1
26349	0.1
26350	0.1
26351	0.1
26352	0.1
24-820 26353	0.1
STD.	7.4

74-2

\* - High Mn

74-1



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY: Hart Riddle



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

•ANALYTICAL CHEMISTS • GEOCHEMISTS •REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario

CERTIFICATE NO. 39888  
 INVOICE NO. 20455  
 RECEIVED June 20/77  
 ANALYSED June 24/77

ATTN:

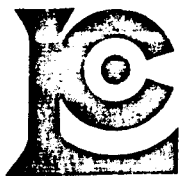
SAMPLE NO. :	PPM Silver
24-820 26354	0.2
26355	0.1
26356	0.1
26357	0.1
26358	0.2
24-820 26359	0.1
24-835 26360	0.1
24-820 26361	0.1
26362	0.2
26363	0.4
26364	0.2
26365	0.2
26366	0.1
26367	0.1
24-820 26368	0.1
24-853 26369	0.4
26370	0.4
26371	0.2
26372	0.1
26373	0.2
26374	0.2
26375	2.4
26376	0.1
26377	0.2
26378	0.1
26379	0.1
26380	0.4
26381	0.1
26382	0.1
24-853 26383	0.8
24-835 26386	0.2
26387	0.1
26388	0.1
26389	6.8
26390	0.1
26391	0.8
26392	0.8
24-835 26393	> 30
STD.	7.6



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hartwell*





# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Canadian Occidental Petroleum Ltd.  
 Minerals Division  
 801 - 161 Eglinton Ave. East  
 Toronto, Ontario  
 ATTN: P. Nicholls

CERTIFICATE NO. 39889  
 INVOICE NO. 20455  
 RECEIVED June 20/77  
 ANALYSED June 24/77

SAMPLE NO. :	PPM
	Silver
24-835 26394	0.8
26395	0.2
26396	0.1
26397	0.4
26398	0.1
26399	0.1
26400	0.1
26401	0.1
26402	0.1
26403	0.1
26404	0.1
26405	0.1
26406	0.1
26407	0.1
26408	0.1
26409	0.2
26410	0.1
26411	0.1
26412	0.4
26413	0.2
26414	0.1
26415	0.1
26416	0.1
26417	0.1
26418	0.1
26419	0.1
26420	0.1
26421	0.1
24-835 26422	0.1
24-853 26423	0.1
26424	0.1
26425	0.1
24-853 26438	0.1
24-857 26448	0.1
26449	0.1
24-857 26450	0.2
STD.	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: Hart Biele





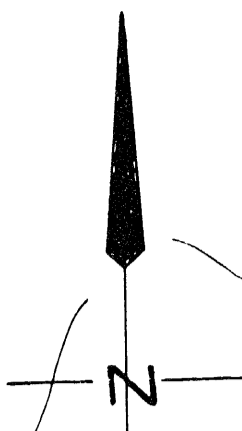
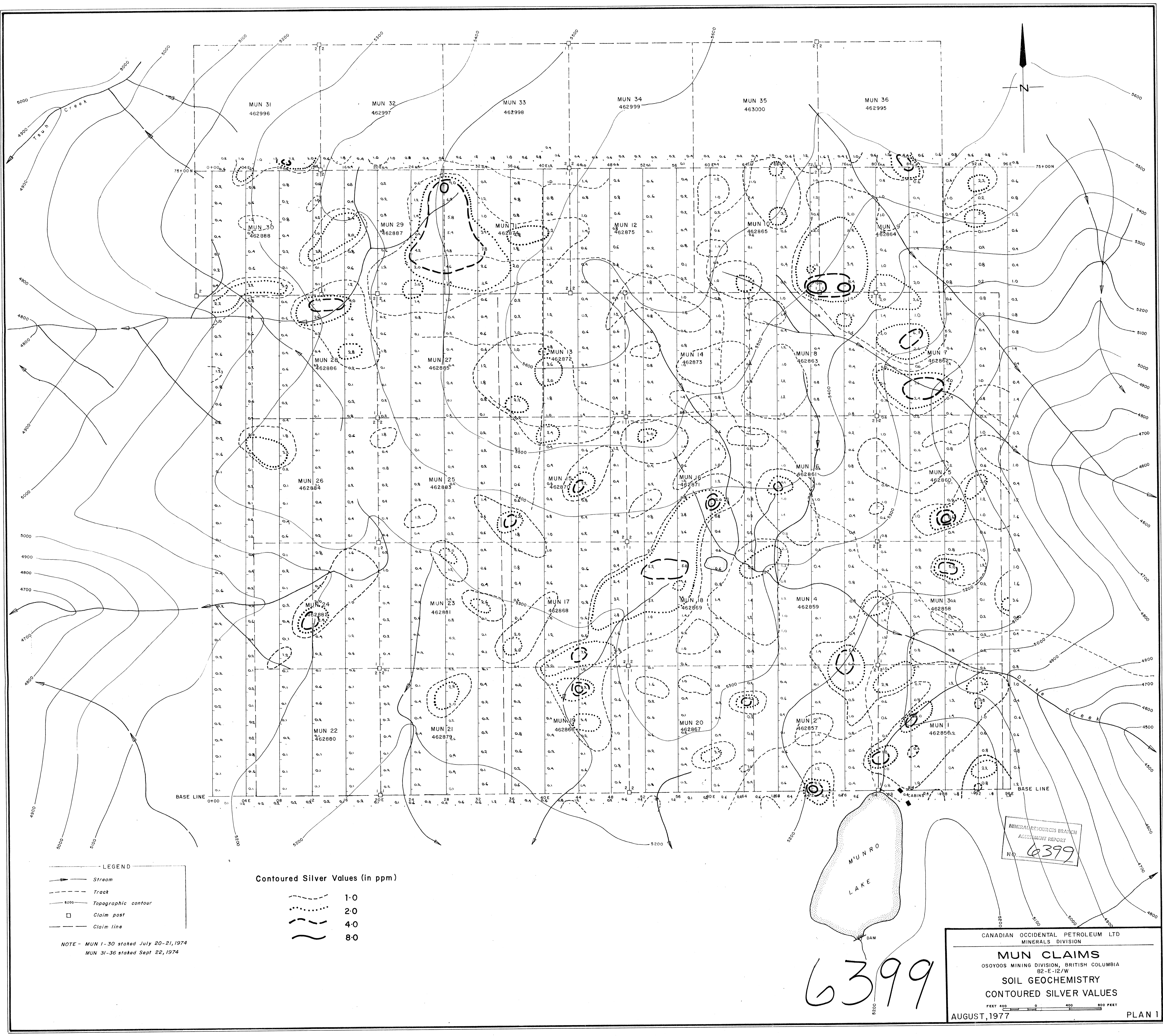




STATEMENT OF EXPENDITURES

MUN Claims

Geochemical Analysis - 1397 determinations	\$ 1,676.40
Consultant - C.F. Gleeson & Assoc.	275.00
Shipping Costs	72.90
Drafting & Reproduction Costs	<u>76.00</u>
Total Expenditure	\$ <u>2,100.30</u>



- LEGEND
- Stream
  - Track
  - Topographic contour
  - Claim post
  - Claim line

Contoured Silver Values (in ppm)

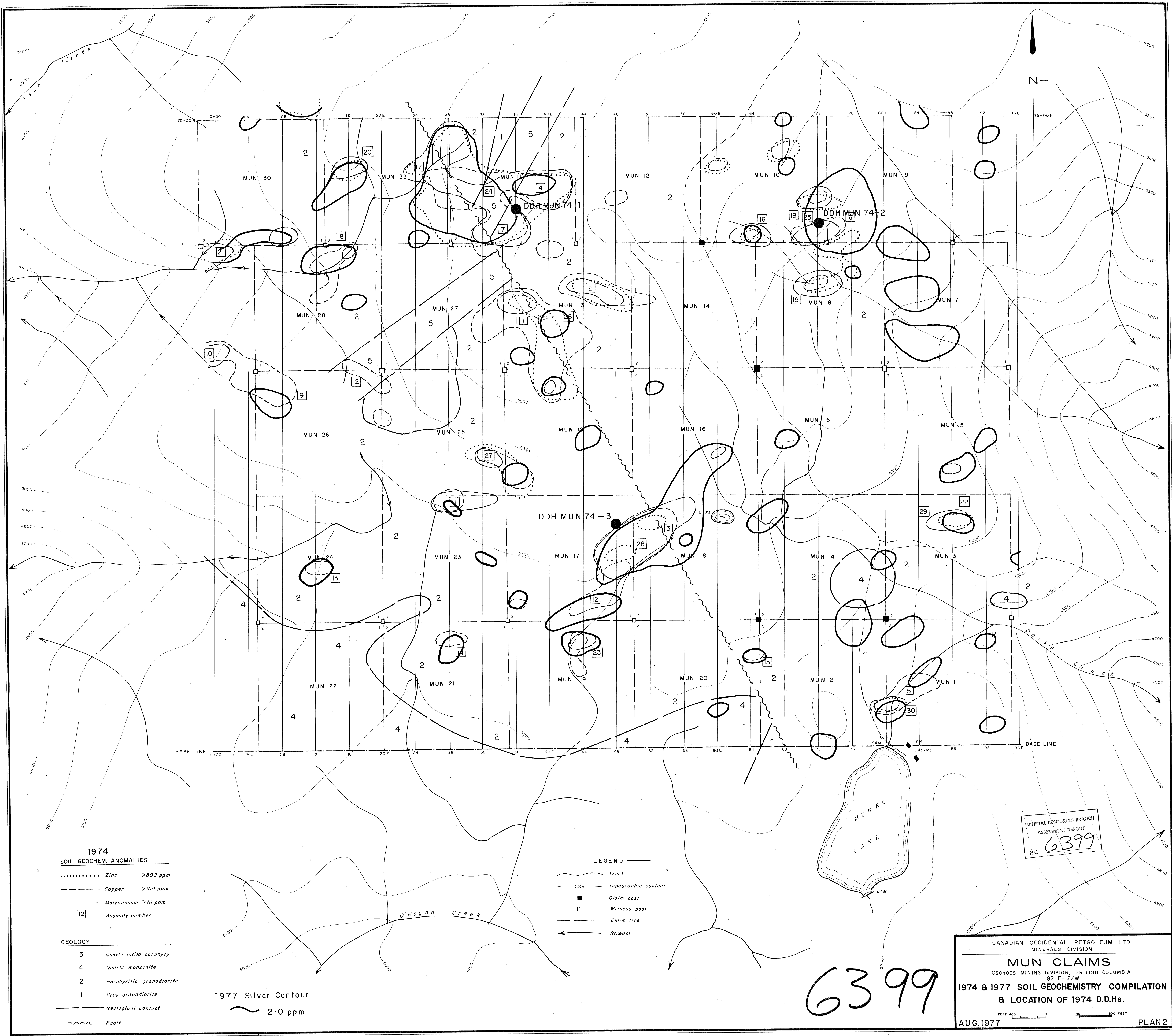
- 1.0
- 2.0
- 4.0
- 8.0

NOTE - MUN 1-30 staked July 20-21, 1974  
MUN 31-36 staked Sept 22, 1974

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. 6399

6399

CANADIAN OCCIDENTAL PETROLEUM LTD  
MINERALS DIVISION  
**MUN CLAIMS**  
OSOYOOS MINING DIVISION, BRITISH COLUMBIA  
82-E-12/W  
SOIL GEOCHEMISTRY  
CONTOURED SILVER VALUES  
FEET 400 0 400 800 FEET  
AUGUST, 1977 PLAN 1



**1974**  
**SOIL GEOCHEM. ANOMALIES**  
 ..... Zinc >800 ppm  
 - - - - - Copper >100 ppm  
 ——— Molybdenum >16 ppm  
 [12] Anomaly number

**GEOLOGY**  
 5 Quartz latite porphyry  
 4 Quartz monzonite  
 2 Porphyritic granodiorite  
 1 Grey granodiorite  
 ——— Geological contact  
 ~~~~~ Fault

1977 Silver Contour  
 ~~~~~ 2.0 ppm

**LEGEND**  
 - - - - - Track  
 ——— Topographic contour  
 ■ Claim post  
 □ Witness post  
 ——— Claim line  
 ← Stream

MINERAL RESOURCES BRANCH  
 ASSESSMENT REPORT  
 NO. 6399

6399

CANADIAN OCCIDENTAL PETROLEUM LTD  
 MINERALS DIVISION  
**MUN CLAIMS**  
 OSOYOOS MINING DIVISION, BRITISH COLUMBIA  
 82-E-12/W  
**1974 & 1977 SOIL GEOCHEMISTRY COMPILATION  
 & LOCATION OF 1974 D.D.Hs.**  
 FEET 400 0 400 800 FEET  
 AUG.1977 PLAN 2