COMINCO LTD.

EXPLORATION
NTS 82L/4E

WESTERN DISTRICT
December 12,1979

ASSESSMENT REPORT OF GEOLOGY AND SOIL GEOCHEMISTRY ON THE DOBBIN PROPERTY

(Esperon 1-10, 12, 14, 15-18 Claims)

DUN WATERS CREEK, VERNON M.D.

(Work performed June 11 - August 30, 1979)

LATITUDE: 50°06'N

LONGITUDE: 119°40'W

REPORT BY:

M.J. OSATENKO

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All Maps in Pocket

COMINCO LTD.

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AND SOIL GEOCHEMISTRY

ON THE DOBBIN PROPERTY

(Esperon 1-10, 12, 14, 15-18 Claims)

DUN WATERS CREEK, VERNON M.D.

SUMMARY

The Esperon claims of the Dobbin property are located 29 km northwest of Kelowna, B.C.

Work in 1979 on these claims consisted of mapping, 126.8 km of grid and soil sampling. Mapping shows a granitic stock (147±6m.y.) that cuts argillaceous sediments and is composed mainly of quartz monzonite porphyry and leucocratic quartz monzonite with minor quartz diorite and dykes of pegmatite, aplite and feldspar porphyry. Unconformably over these rocks are Tertiary basalt flows. Major inferred faults trend northeast, northwest, north-northeast and north-northwest and show intersections in two areas on the claims. The northern one shows numerous, small MoS_2 - pyrite showings in quartz veined quartz monzonite porphyry, over an area at least 2.5 x 1.5 km, while the southern one is drift-covered. Coincident with the Mo showings in the northern area are weak-moderate Mo soil anomalies (5-65 ppm) that cover a donut-shaped, north-northwesterly trending zone at least 5 x 2.5 km. Enveloping part of this area are weak Cu soil anomalies. Weak Mo soil anomalies also occur in the southwest part of the claims near a contact of quartz monzonite porphyry and sediments. To the best of our knowledge none of the Mo showings or Mo soil anomalies in the area have been drill tested.

It is recommended to do detailed mapping over the whole of the claim group and to better define existing Mo soil anomalies. IP over Mo soil anomalies and Mo showings would be useful in defining the sulfide system. Once this is done the targets developed should be percussion drilled.

INTRODUCTION

The Esperon claims of the Dobbin property were staked late in 1978 to protect Mo silt anomalies. Additional staking in 1979 covered areas of newly discovered Mo showings and further Mo silt anomalies.

Work done in 1979 included 126.8 km of grid, soil sampling (1186 samples) and mapping. The grid work and soil sampling was done by D. Pauls, C. Jones, J. Ready, G. Hodson, T. Faubert, J. Welton, D. Falkowski and C. Giovanetto while the mapping was done by T. Hodson and M.J. Osatenko. The numerous new logging roads in the area provided the main mapping control but some was also done on the grid.

LOCATION AND ACCESS

The property is located 29 km northwest of Kelowna, B.C. along a good system of logging roads which are mainly owned by Crown Zellerbach (Plate 1). It takes about 45 minutes to drive to the property from Kelowna. The working season is from June to October.

TOPOGRAPHY AND VEGETATION

The Esperon claims occur at a elevation of 1400 to 1650 m and straddle the Terrace Creek Valley. It is covered by a thick blanket of mature spruce which has been logged over the past ten years. Water for drilling is available from Terrace, Esperon and Dun Waters Creeks.

PROPERTY AND OWNERSHIP

The Dobbin property consists of the following Tad and Esperon claims (100% owned by Cominco Ltd. see Plate 2) but only data for the Esperon claims are presented in this report.

CLAIM	RECORD NUMBER	NUMBER OF UNITS	DUE DATE
TAD 1	316	16	May 13, 1990
TAD 2	317	3	May 13, 1983
TAD 3	318	10	May 13, 1983
TAD 4	319	20	May 13, 1983
TAD 5	340	3	June 16, 1983
TAD 6	377	4	Sept. 2, 1990
TAD 7	532	15	Oct. 6, 1982
TAD 8	552	16	Nov. 7, 1981
TAD 9	553	8	Nov. 7, 1982
TAD 10	554	8	Nov. 7, 1982
TAD 11	520	10	Nov. 7, 1980
TAD 12	521	8	Nov. 7, 1980
TAD 14	584	6	Dec. 18, 1982

CLAIM	RECORD NUMBER	NUMBER OF UNITS	DUE DATE
TAD 15	676	10	Aug. 9, 1980
TAD 16	658	12	Aug. 3, 1980
TAD 17	659	12	Aug. 3, 1980
TAD 18	660	16	Aug. 3, 1980
TAD 19	661	4	Aug. 3, 1983
TAD 20	709	8	Sept. 10, 1980
ESPERON 1	573	15	Dec. 18, 1980
ESPERON 2	574	18	Dec. 18, 1980
ESPERON 3	575	15	Dec. 18, 1981
ESPERON 4	576	18	Dec. 18, 1981
ESPERON 5	577	18	Dec. 18, 1980
ESPERON 6	578	18	Dec. 18, 1980
ESPERON 7	579	20	Dec. 18, 1980
ESPERON 8	580	18	Dec. 18, 1980
ESPERON 9	581	16	Dec. 18, 1980
ESPERON 10	582	10	Dec. 18, 1981
ESPERON 11	583	20	Dec. 18, 1990
ESPERON 12	626	16	June 7, 1982
ESPERON 14	650	12	July 13, 1982
ESPERON 15	654	4	Aug. 3, 1982
ESPERON 16	655	10	Aug. 3, 1981
ESPERON 17	656	15	Aug. 3, 1981
ESPERON 18	657	2	Aug. 3, 1982

PREVIOUS WORK

The first known work in the area was by Noranda Exploration Co. in 1966 and 1967, mainly near Dun Waters Creek. No work was filed but the work consisted of recce soil geochem which defined a number of irregularly shaped and poorly defined Mo anomalies. In 1972 Canadian Johns Manville acquired 8 claims to protect a Mo silt anomaly in Dun Waters Creek and did a small soil survey (assessment report 4133). This showed two Mo anomalies (5-47 ppm) over the full extent of the grid, 850 x 850 m, in an area of quartz veined granodiorite. The property lapsed and was acquired by Shell Oil in 1977. Work by Shell was strictly for uranium and consisted of mapping, silt and soil geochem and a little drilling. No mention of the Mo potential of the area appeared in their assessment report.

REGIONAL GEOLOGY

The oldest rocks in the Dobbin property area are gneisses and schists of Proterozoic or possibly of early Paleozoic age (Plate 3, Unit 1). They are overlain by a sequence of argillaceous rocks with minor limestone, basalt and rhyolite (flows and tuffs) of presumed Upper Paleozoic or possibly in part of Upper Triassic age (Unit 2). Cutting these rocks are small ultramafic-monzonite complexes (Unit 3) such as those found at Whiterocks Mtn and Kruger Mtn near Keremeos. Underlying most of the Esperon claims are late Jurassic granitic rocks (Unit 4) of the Okanagan complex which have a Rb/Sr isochron of 147±6m.y. (Unpublished Cominco dating). MoS_2 mineralization in the area is related to this event. Following this episode was a period of early Tertiary plutonism which formed plugs and stocks of alkaline composition (monzonite, syenite, Unit 5) and small bodies of quartz-feldspar and quartz latite porphyry (Unit 6). Coeval with the calc-alkaline Tertiary intrusive rocks are large volumes of basalt and rhyolite (Unit 7).

PROPERTY GEOLOGY

The geology of this part of the Dobbin property (Esperon claims) is shown in Plate 4. Petrology and major element geochemistry of the granitic rocks of this area are the subject of a B.Sc. thesis by Terry Hodson that will be finished early in 1980. Age relationships of the various major units on the map are discussed in the REGIONAL GEOLOGY part of this report.

The sediments (Unit 1) generally trend northwest and dip steeply to the west. They consist mainly of argillaceous rocks with minor grey limestone. Pyrite is common in the argillaceous rocks (1-3%) and is present principally as disseminations but some also occurs along fractures. Rocks of Units 2 and 3 (Lambly and Hybrid phases) are mafic-rich and consist of gabbro and quartz diorite of the Terrace phase mixed with partly digested country rock respectively. Rocks of the Hybrid phase usually show abundant dioritic xenoliths and gneissic zones. Unit 4 rocks (Shorts phase) are fine to medium grained granodiorites that typically contain 15% quartz, 65% plagioclase 12% K-feldspar and 8% biotite and hornblende. Minor K-feldspar occurs in phenocrysts or in poikilitic masses.

Rocks of Unit 5 (Esperon phase) are the most common on the Esperon claims. They are medium to coarse grained quartz monzonite porphyries that contain 10-20% K-feldspar (1-6 cm) and 10% quartz phenocrysts in a matrix of plagioclase, quartz and minor K-feldspar and biotite. Typically they consist of 30% quartz, 45% plagioclase, 20% K-feldspar and 5% biotite with traces of hornblende. These rocks host most of the fracture-controlled Mo mineralization on the property. Cutting (?) the Esperon phase rocks are fine to medium grained quartz diorites of the Terrace phase (Unit 6). They are characterized by blocky plagioclase crystals and typically contain 15% quartz, 68% plagioclase, 3% K-feldspar and 14% biotite and hornblende. The youngest of the granitic rocks on the Esperon claims are leucocratic, fine to medium grained quartz monzonites of the Stuart and Via phases (Units 7 and 8 respectively). The Stuart rocks typically have equal amounts of quartz, plagioclase and K-feldspar with only 1% biotite or phlogopite. They may have up to 1-2% quartz phenocrysts. Via rocks are similar to those of the Stuart phase but they contain 5% K-feldspar and 2-5% quartz phenocrysts and have about 30% quartz, 48% plagioclase, 20% K-feldspar and 2% biotite. Cutting most rock units are pegmatite, aplite and feldspar porphyry dykes. The youngest rocks on the claim group are basalt flows and dykes of Tertiary age (Unit 9).

Major element data of the Jurassic granitic rocks are given in Appendix "A" on page 8 and the location of these rocks is shown on Plate 4. The two phases which have Mo mineralization (Esperon and Stuart) have SiO_2 contents of 70.10 and 74.26% and $Na_2O + K_2O$ contents of 9.03 and 8.91% respectively. These are typical of most porphyry Mo areas.

STRUCTURE

Plate 5 shows the major faults in the Dobbin property area as inferred from linear features, mainly creeks, on the 1:50,000 topographic maps. Major trends seen are northeast, northwest, north-northwest and north-northeast. Obvious major intersections occur where Terrace Creek drains into Esperon Creek, the southern part of Dun Waters Creek, North Lambly Creek and Tadpole Lake.

MINERALIZATION AND ALTERATION

MoS_2-pyrite mineralization is found throughout the Esperon claims mainly in quartz veinlets cutting quartz monzonites of the Esperon and Stuart phases. It also occurs as disseminations in the Stuart phase and in one limestone outcrop in the southwest corner of the claim group. Minor chalcopyrite was seen in quartz veinlets in the northern part of the claim group(Plate 4).

The best quartz veined areas occur in the northern part of the Esperon claims over an area at least 3 x 1.2 km. Here, four significant Mo showings were found, three of them new finds, that are coincident with large weak-moderate Mo soil anomalies. The first and best showing occurs on the east side of the Stuart Main road about 600 m north of where this road crosses Dun Waters Creek. This showing consists of angular boulders of chloritized and sericitized quartz monzonite porphyry that are cut by quartz veinlets (1-10 cm) that carry splashes of MoS_2 and minor pyrite. These boulders occur over 70 m in a drainage ditch and are thought to be close to outcrop. The second showing (35N/10.5W) is again in an area of very poor exposure and is made up of angular boulders and small outcrops of quartz monzonite porphyry that are quartz veined. These veinlets carry MoS_2 and pyrite and grade 0.021% Mo over a width of at least 25 m. The third showing is located 750 m to the north-northwest of the first showing. Here, angular boulders of quartz veined quartz monzonite porphyry occur in an old Noranda? trench. MoS_2 and pyrite are found in the veinlets, usually with secondary biotite along the edges. The last showing is found near 25N/1.5W. Quartz veining is present in quartz monzonite porphyry and carries traces of pyrite and MoS_2. The mineralized outcrop is about 2 x 1 m. Scattered throughout the area of the four principal Mo showings are other small Mo showings and angular quartz monzonite boulders that contain mineralized quartz veinlets (Plate 4).

Enveloping and in the quartz veined areas are large poorly defined chlorite zones, the best of which is seen along the Stuart Main road just to the north of where it crosses Dun Waters Creek.

SOIL GEOCHEMISTRY

The soil survey covered an area about 10 x 5 km. Samples were collected from the B horizon at a depth of from 12-20 cm and at intervals of 100 m along the cross lines. These samples were analyzed for Cu, Zn and Mo at Cominco's laboratory in Vancouver. Cu and Zn were determined by atomic absorption spectrophotometry after a 20% HNO_3 digestion while Mo analyses were obtained using a Zn dithiol colorimetric procedure after a $HClO_4$-HNO_3 digestion. The coefficient of variation for Cu and Zn is 10% while for Mo it is 15%. Cumulative frequency diagrams suggest that the threshold of anomaly for Cu, Zn and Mo is 15,100 and 5 ppm respectively.

Plate 6 shows a contoured plot of the copper values. Two areas of weakly anomalous values are indicated, one is in the northern part of the Esperon claims and the other is in the southwest corner. In the northern area the copper soil anomalies cover an area at least 4 x 1.5 km. The zinc soil map (Plate 7) shows only one anomalous value.

Plate 8 shows a contoured plot of the Mo soil values. Two areas of weak-moderately anomalous values were found that are generally coincident with the copper soil anomalies. In the northern one the area of Mo soil anomalies is somewhat donut-shaped and covers an area of 5 x 2.5 km, open to the north and to the southeast into the drift-covered Terrace Creek valley. This area of soil anomalies in part covers and envelopes the known Mo showings. In the southwestern part of the Esperon claims weak Mo soil anomalies are present near the contact of Esperon quartz monzonite porphyry and sediments. Quartz veining with pyrite was seen but generally the area is poorly exposed.

CONCLUSIONS

1. The methods found most useful in locating areas of Mo mineralization are geological mapping and silt and soil geochemistry.

2. MoS_2 and pyrite mineralization occurs in quartz veinlets cutting quartz monzonite porphyry over an area at least 2.5 x 1.5 km in the northern part of the claim group.

3. The above showings are coincident with weak-moderate Mo soil anomalies that cover an area at least 5 x 2.5 km and weak Cu soil anomalies that cover a slightly smaller area of 4 x 1.5 km.

4. Weak Mo and Cu soil anomalies are found in the southwest part of the claims near the contact of sediments with quartz monzonite porphyry.

RECOMMENDATIONS

1. Further soil sampling to better define existing Mo soil anomalies and to locate new ones.

2. Further mapping over the whole property.

3. I.P. over Mo soil anomalies and Mo showings and then percussion drilling.

Report by: M. Osatenko
M.J. Osatenko
Project Geologist

Endorsed by: F.L. Wynne
F.L. Wynne
Senior Geologist

Approved for
Release by:
G. Harden, Manager Western
District, Exploration

MAJOR ELEMENT DATA FOR GRANITIC ROCKS FROM THE ESPERON CLAIMS

SAMPLE NUMBER	PHASE	wt. % SiO_2	Al_2O_3	Fe_2O_3	TiO_2	MgO	CaO	Na_2O	K_2O	LOI	TOTAL
OR79-23	Shorts	59.74	18.58	5.43	0.60	1.93	4.63	5.37	3.00	1.29	100.57
HR79-29	Esperon	75.86	13.27	0.93	0.08	0.40	1.08	4.08	5.72	0.48	101.90
HR79-32	Esperon	68.42	15.71	2.91	0.36	0.56	2.75	3.87	4.36	0.43	99.37
HR79-38	Esperon	67.57	14.26	5.41	0.84	0.90	2.51	4.25	4.47	0.82	101.03
HR79-82	Esperon	70.50	14.39	2.62	0.32	1.05	2.16	4.36	4.89	0.44	100.73
10N/1470W	Esperon	68.13	16.16	2.58	0.35	1.01	2.61	5.27	3.85	0.55	100.51
Mean		70.10						4.37	4.66		
HR79-10	Terrace	56.86	19.70	6.06	0.73	2.32	5.39	5.94	3.02	0.58	100.60
HR79-84'	Terrace	57.57	19.89	6.62	0.71	2.40	6.01	5.95	1.97	0.48	101.60
Mean		57.22						5.95	2.50		
HR79-27	Stuart	73.23	14.47	0.72	0.07	0.40	1.42	5.00	4.51	0.82	100.64
HR79-62	Stuart	75.74	13.62	0.83	0.07	0.37	0.66	4.47	5.30	0.66	101.72
HR79-102	Stuart	73.82	13.96	1.42	0.18	0.10	2.13	3.98	3.47	0.49	99.55
Mean		74.26						4.48	4.43		
OR79-22	Via	69.59	15.26	2.27	0.29	0.79	2.01	5.13	4.22	0.60	100.16

1. 2100 m at a bearing of 280° from HR79-82

APPENDIX "B"

STATEMENT OF EXPENDITURES FOR GEOLOGY AND SOIL GEOCHEMISTRY ON THE ESPERON CLAIMS

SALARIES

M.J. Osatenko	June 11,13,16,19-21,24;July 5,15,18 (10 days @ $177/day)	$ 1,770.
	Report writing (6 days @ $177/day)	1,062.
T. Hodson	June 11-13, 16,17,19-21,23-25,27; July 1,3,5,8-13, 15,16,18; August 30 (25 days @ $85/day)	2,125.
D. Pauls	June 11-14,19-22,25,27,30; July 3-6,9-13,16-20 26,27; August 7-10,13,14,20,21 (35 days @ $70/day)	2,450.
C. Jones	June 11-14,19-22,25,27; July 3; August 3,7,9,10 (15 days @ $70/day)	1,050.
J. Ready	July 4-6, 9 (4 days @ $59/day)	236.
G. Hodson	July 10-13,16-18,19,20,26,27; August 7-10,13,14,21 (18 days @ $70/day)	1,260.
T. Faubert	July 19-21,25-27,29-31; August 1-4,6-10,13-17,19-21, 26,28,29 (29 days @ $64/day)	1,855.
J. Welton	July 19-21; August 2-4,6,7,15-17,19-21,26,28,29 (17 days @ $72/day)	1,224.
D. Falkowski	July 25-27,29-31; August 1,3,7,9,10,14 (12 days @ $70/day)	840.
C. Giovanetto	August 8-10,13,14 (5 days @ $64/day)	320.
TRUCK	59 days @ $35/day	2,065.
DOMICILE	96 man days @ $31/day	2,976.
ANALYSES	1186 soil samples @ $3.50/sample	4,151
MISCELLANEOUS	phone calls, soil bags, chain saw, compasses, flagging, survey thread	1,000.
		$ 24,384.

Signed: M. Osatenko

M.J. Osatenko
Project Geologist

APPENDIX "C"

COMINCO LTD.

EXPLORATION WESTERN DISTRICT

STATEMENT OF QUALIFICATIONS

I, MYRON J. OSATENKO, OF THE CITY OF VERNON, BRITISH COLUMBIA, HEREBY CERTIFY:

1. THAT I AM A GEOLOGIST, RESIDING AT 7702 SAGE DR., VERNON, BRITISH COLUMBIA WITH A BUSINESS ADDRESS AT 4405 - 28th STREET, VERNON, BRITISH COLUMBIA.

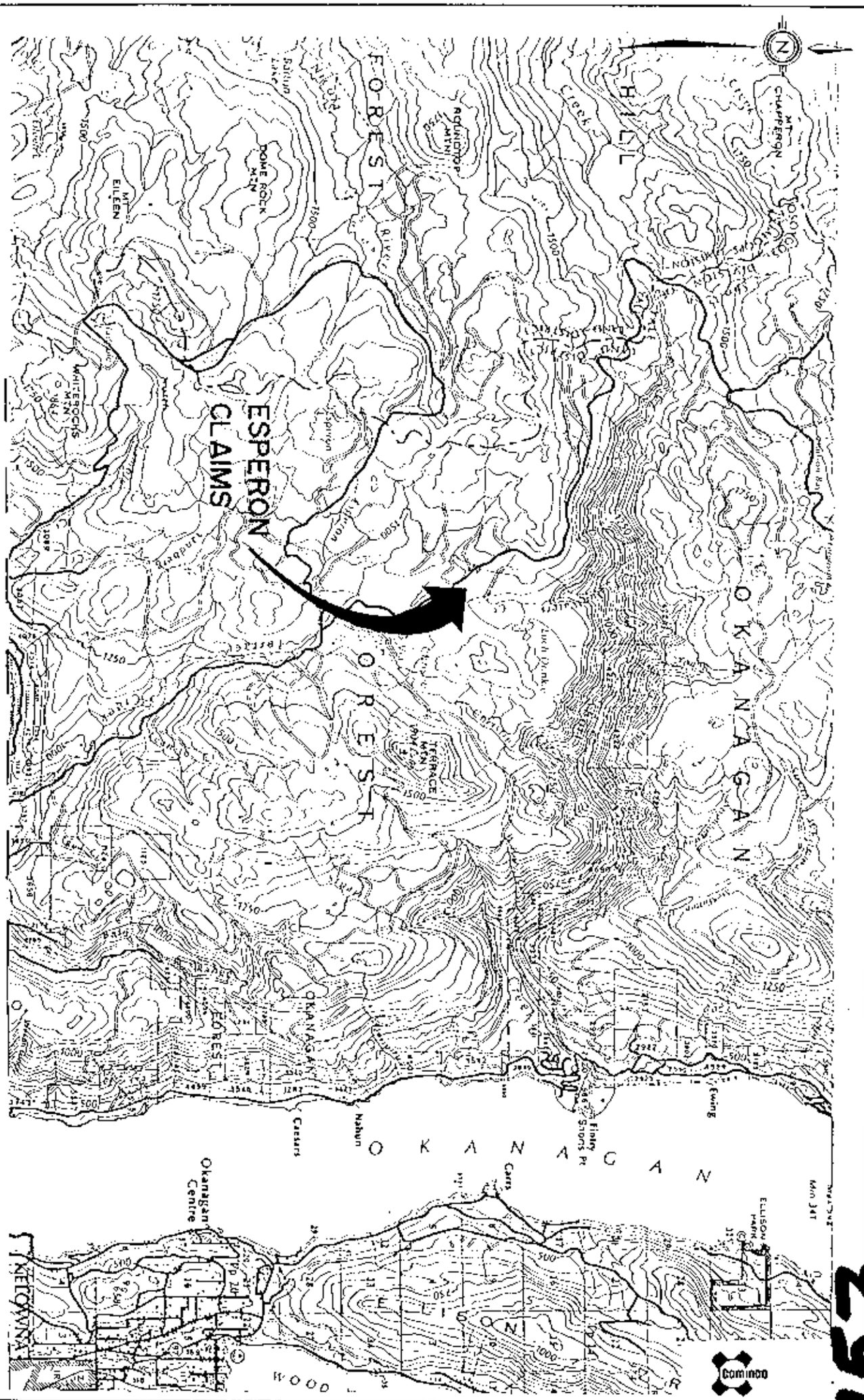
2. THAT I GRADUATED WITH B. SC. AND M. SC. DEGREES IN GEOLOGY FROM THE UNIVERSITY OF BRITISH COLUMBIA IN 1965 AND 1967 RESPECTIVELY.

3. THAT I HAVE PRACTISED GEOLOGY WITH COMINCO LTD. FROM 1967 TO PRESENT.

DATED THIS 12th day of December 1979 at Vernon, British Columbia.

SIGNED M. Osatenko

Myron J. Osatenko, M. Sc.



Drawn by:		Traced by: RAR	
Revised by	Date	Revised by	Date

LOCATION MAP
DOBBIN PROPERTY
ESPERON CLAIMS

Scale: 1:125,000 | Date: December 13, 1979 | Plate: 1

NCI-112A-CL

210-0610

1153

DOBBIN PROPERTY

Cominco 82 L/4 82 E/13

CLAIM MAP

Vernon and Nicola Mining Divisions

Drawn by:		Traced by: RAR	
Revised by	Date	Revised by	Date

Scale: 1 50,000 | Date: December 14, 1979 | Plate: 2

NO. 7753

0 5 Kilometres

NCI 229 CL

LEGEND

TERTIARY

7 — *Basalt and rhyolite – flows and tuffs.*

6 — *Quartz feldspar porphyry.*

5 — *Monzonite.*

UPPER JURASSIC

4 — *Granodiorite, quartz monzonite porphyry, quartz porphyry*

UPPER TRIASSIC

3 — *Pyroxenite, monzonite.*

PALEOZOIC to UPPER TRIASSIC

2 — *Argillite, minor limestone, basalt, and rhyolite.*

PROTEROZOIC

1 — *Gneiss, schist.*

DOBBIN PROPERTY

BRENDA MINE

BRENDA MINE
177 Million Tons at
0.049%Mo, 0.18%Cu

ESPERON CLAIMS

TAO CLAIMS

VERNON

KELOWNA

PENTICTON

LAKE

Hwy 97

NAGANAGO

49° 40'

119° 25'

AREA OF Mo SHOWINGS

MAIN Mo TRENDS AS DEFINED BY SHOWINGS, ANOMALOUS STREAM SILTS, AND LINEAMENTS.

○ Mineral showing.

Reference – G.S.C Maps by H.W Little, maps 6 1957, 15-1961;
A. Jones, map 1059A

0 5 10 15 20
Kilometers

OKANAGAN Mo RECCE 1979

Dominion

NTS 82L 82E

Drawn by:		Traced by: RAR	
Revised by	Date	Revised by	Date
RAR	Nov.15/79		

GEOLOGY

Scale: 1 250,000 | Date: November 10, 1978 | Plate: 3

NCI 229 C1

MOUNT CHAPPERON

N

Creek

Beak

ESPERON CLAIMS

Sharis

Creek

Loch Drinkie

ROUNDTOP MOUNTAIN

River

Nicola

Esperon Lake

TERRACE MOUNTAIN

Christie Lake

Duo Vao Lake

Burton Lake

DOME ROCK MOUNTAIN

DOBBIN PROPERTY

Terrace

MOUNT EILEEN

Tadpole Lake

North

Lambly Creek

WHITEROCKS MOUNTAIN

Creek

Eileen Lake

Raymer Lake

Dobbin Lk

Island Lake

West Lake

Lambly Creek

TAD CLAIMS

MOUNT SWITE

Canoe Lake

Paynter Lake

Flowers Creek

Lambly Lake

LEGEND

Lineament

7753

Locomo Lake

Jackpine Lake

0 5

Kilometres

DOBBIN PROPERTY					COMINCO	82 L/4 82E/13
Drawn by:		Traced by: RAR		STRUCTURAL INTERPRETATION		
Revised by	Date	Revised by	Date			
				Scale: 1:50,000	Date: December 14, 1979	Plate: 5

NCI 279-C-L

DOBBIN PROPERTY

ESPERON TARGET
GEOLOGY

82 L/4

Drawn by: MJO	Traced by: RAR
Proved by:	Proved by:
Date:	Date:

Scale 1:10,000 | Date Dec. 5, 1979 | Plate 4

LEGEND

TERTIARY

9 *Basalt flows.*

JURASSIC

8 *Via phase, porphyritic quartz monzonite.*

7 *Stuart phase, quartz monzonite.*

6 *Tercee phase, quartz diorite.*

5 *Esperon phase, quartz monzonite porphyry.*

4 *Shorts phase, granodiorite.*

3 *Hybrid phase, quartz diorite with diorite xenoliths, gneissic.*

2 *Lamby phase, gabbro.*

PALEOZOIC or TRIASSIC

/ *Argillite, impure quartzite.*

Limestone.

SYMBOLS

q *Quartz veining.*

ch *Chlorite.*

py *Pyrite.*

cpy *Chalcopyrite.*

MoS_2 *Molybdenite.*

Outcrop.

Boulder

Rock sample, major elements.

Contact (assumed).

6 *Mo in silt sample (ppm).*

+5 ppm Mo soil geochem.

NB. Contours in feet

0 500 1000 1500

metres

N

ESPERON

LAKE

DUO VIA LAKE

LOCH DRUMKIE

Don Waters

Creek

Terrace

Limonite

gossanous soil

Conifero

ESPERON 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7753
ON

DOBBIN PROPERTY

ESPERON TARGET

Cu SOIL GEOCHEMISTRY

Scale 1:10,000 | Date Dec. 5, 1979 | Page 6

Drawn By M.J.O | Checked By H.A.M | Revised No. | Revised No. | Revised No.

LEGEND

Cu SOIL CONTOURS

15 ppm

25 ppm

50 ppm

metres

0 500 1000 1500

7753

ESLL

DUO VIA LAKE

LOCH DRIMKIE

Dun Waters Creek

Terrace Creek

Creek

Esperon Creek

Spaniards Creek

ESPERON LAKE

ESPERON 14 · ESPERON 2 · ESPERON 4 · ESPERON 6 · ESPERON 8 · ESPERON 17 · ESPERON 16 · ESPERON 12 · ESPERON 8 · ESPERON 15 · ESPERON 1 · ESPERON 3 · ESPERON 5 · ESPERON 7 · ESPERON 9 · ESPERON 10 · ESPERON 11

62N 60N 58N 56N 54N 52N 50N 48N 46N 44N 42N 38.5N 35N 32N 30N 25N 22N 20N 15N 10N 5N 0 5S 10S 15S 20S 25S 30S 35S

4000 4500 5000 5500

LEGEND

Zn SOIL CONTOURS

100 ppm

0 500 1000 1500 metres

N

DOBBIN PROPERTY

COMINCO

82 L/4

ESPERON TARGET

Zn SOIL GEOCHEMISTRY

Drawn by: MJO	Traced by: MAR	
Revised by: Date	Revised by: Date	

Scale: 1:10,000 Date: Dec. 5, 1979 Plate 7

7753

N

LEGEND

Mo SOIL CONTOURS

5 ppm

10 ppm

20 ppm

0 500 1000 1500

metres

ESPERON 16

ESPERON 14

ESPERON 18

ESPERON 15

ESPERON 12

ESPERON 1

ESPERON 3

ESPERON 5

ESPERON 7

ESPERON 9

ESPERON 11

ESPERON 10

ESPERON 17

ESPERON 2

ESPERON 4

ESPERON 6

ESPERON 8

62N 60N 58N 56N 54N 52N 50N 48N 46N 44N 42N 38.5N 35N 32N 30N 25N 22N 20N 15N 10N 5N 0N 5S 10S 15S 20S 25S 30S 35S

LOCH DRINKIE

DUO VIA LAKE

ESPERON LAKE

Esperon Creek

Terrace Creek

Sandberg Creek

4000 4500 5000 5500

DOBBIN PROPERTY

ESPERON TARGET

Mo SOIL GEOCHEMISTRY

Drawn by: M.K.O.

Traced by: R.R.R.

Scale: 1:10,000

Date: Dec. 5, 1979

Plan 8

Cominco Ref. L-14