

ARIS SUMMARY SHEET

District Geologist, Nelson

Off Confidential: 89.05.09

ASSESSMENT REPORT 17362

MINING DIVISION: Nelson

PROPERTY: Valparaiso
LOCATION: LAT 49 25 00 LONG 116 43 00
UTM 11 5473595 520550
NTS 082F07E

CLAIM(S): Gov 3-4
OPERATOR(S): Imco Res.
AUTHOR(S): Greene, A.S.
REPORT YEAR: 1988, 30 Pages

COMMODITIES
SEARCHED FOR: Gold, Silver, Tungsten

GEOLOGICAL
SUMMARY: Biotite granodiorite is cut by narrow aplite and lamprophyre dykes of Mesozoic age. Sheet-like faults and joints strike 030 to 050 degrees and 050 to 080 degrees. Mineralization consists of sylvanite(?) and traces of sphalerite, galena, chalcopyrite, wolframite and arsenopyrite in major fractures.

WORK
DONE: Drilling
DIAD 122.2 m 2 hole(s);NQ
Map(s) - 1; Scale(s) - 1:1000
PERD 234.7 m 3 hole(s)
ROAD 2.0 km
SAMP 10 sample(s) ;AU,AG,CU
MINFILE: 082FSE038,082FSE055

LOG NO: 1109	RD. 1
ACTION: Date received reports back from amendments	
FILE NO:	

LOG NO: 0512	RD.
ACTION:	
FILE NO:	

GOLD COMMISSIONER
RECEIVED and RECORDED
MAY 9 1989
M.R. _____
NELSON, B.C.

ASSESSMENT REPORT - DRILLING
VALPARAISO - 1987 PROJECT

IMCO RESOURCES LTD.

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,362

ASSESSMENT REPORT - DRILLING
VALPARAISO - 1987 PROJECT

NELSON MINING DIVISION

Longitude 116° 43'

Latitude 49° 25'

NTS 82 F/7

Crown Granted Mineral Claims

Valparaiso - Lot No. 4907

Government - Lot No. 4908

Mineral Claims

Gin 1 - Record No. 4654

Gin 2 - Record No. 4655

Gin 3 - Record No. 4656

Gin 4 - Record No. 4657

Matilda - Record No. 4289

Schmulka - Record No. 4288

Gov 1 - Record No. 4233

Gov 2 - Record No. 4234

Gov 3 - Record No. 4235

Gov 4 - Record No. 4236

Gov 5 - Record No. 4237

Gov 6 - Record No. 4238

Gov 7 - Record No. 4251

Gov 8 - Record No. 4252

Gov 9 - Record No. 4253

Gov 10 - Record No. 4254

Owners: M.J. Pritchard, David Morgan

Operator: IMCO Resources Ltd.

Consultant: Spectrum Geological Services Ltd.

Author: A. S. Greene, P. Geol.

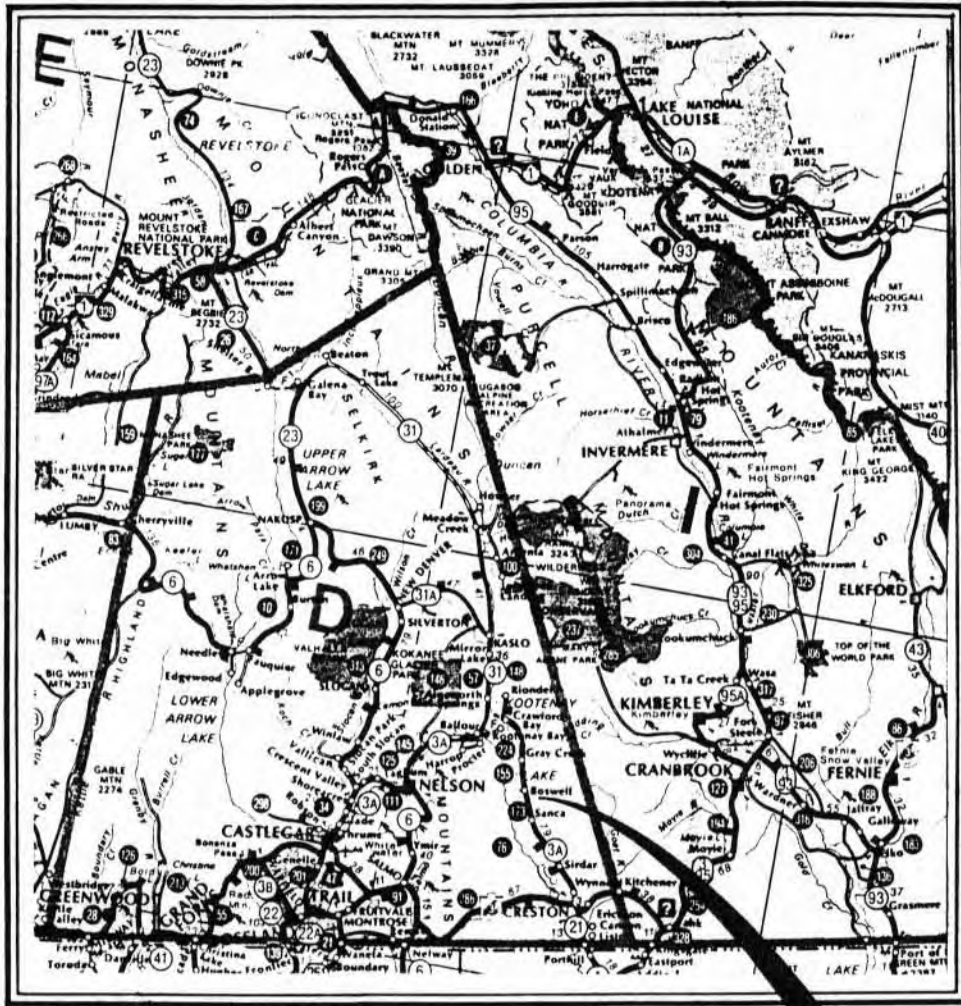
Submitted: May 11, 1988

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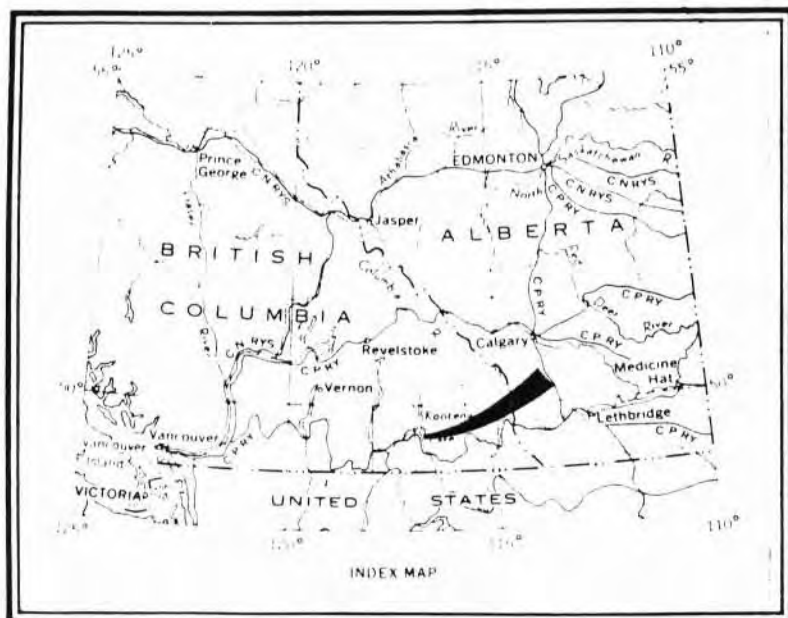
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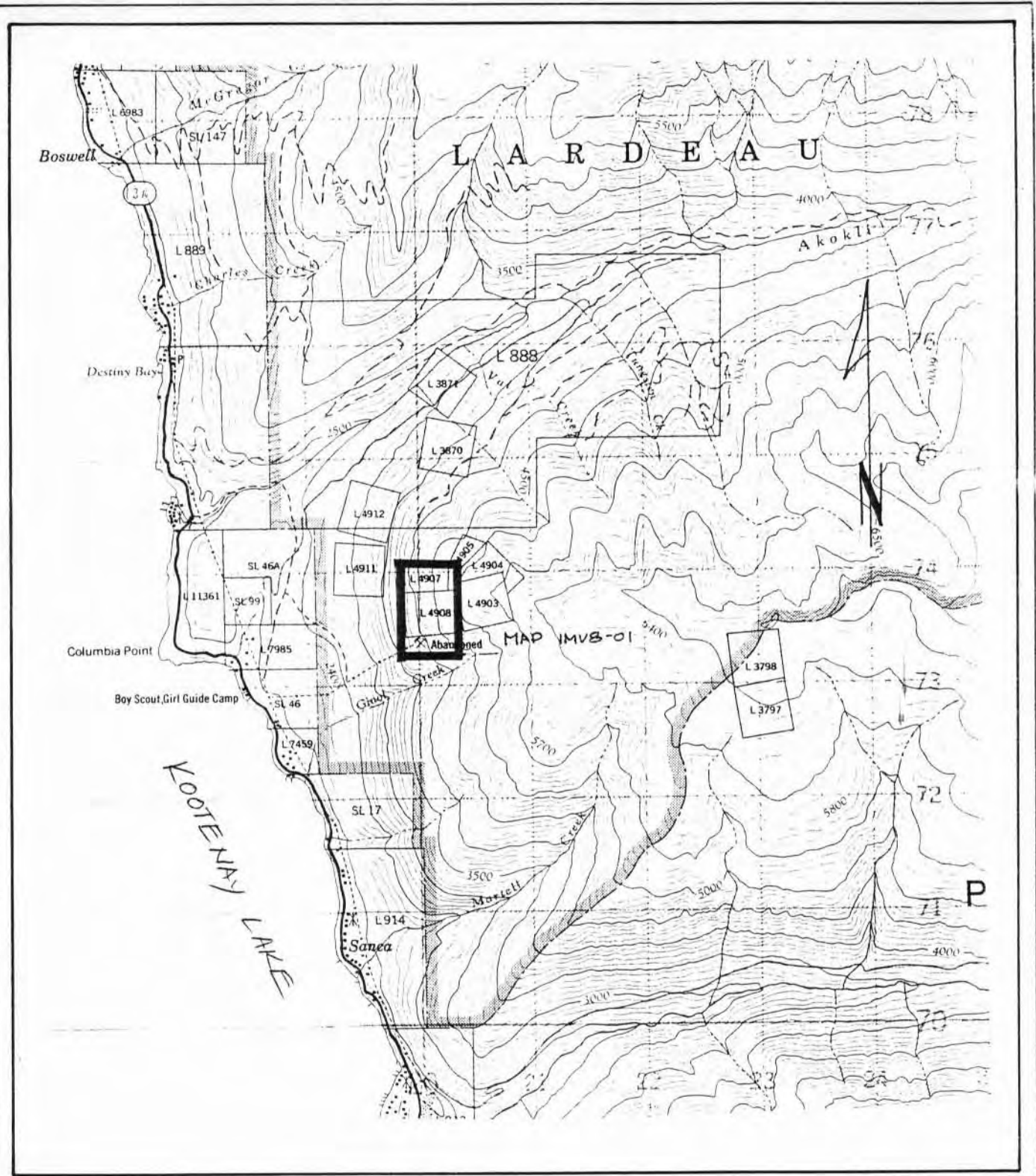
TERMS OF REFERENCE

Spectrum Geological Services was engaged by IMCO Resources Ltd. on January 5, 1988, to provide project supervision and geological services for a drilling project to be conducted in the Valparaiso/Government Workings area. Following recommendations outlined in a previous report, a diamond drilling program was to be undertaken to complete the objectives of a previous drilling program and to evaluate the main mineralized zone at the Government Workings. Arrangements with contractors for diamond drilling, water hauling and road clearing were made during the time period between January 5 and January 27. Drilling operations were begun January 28.

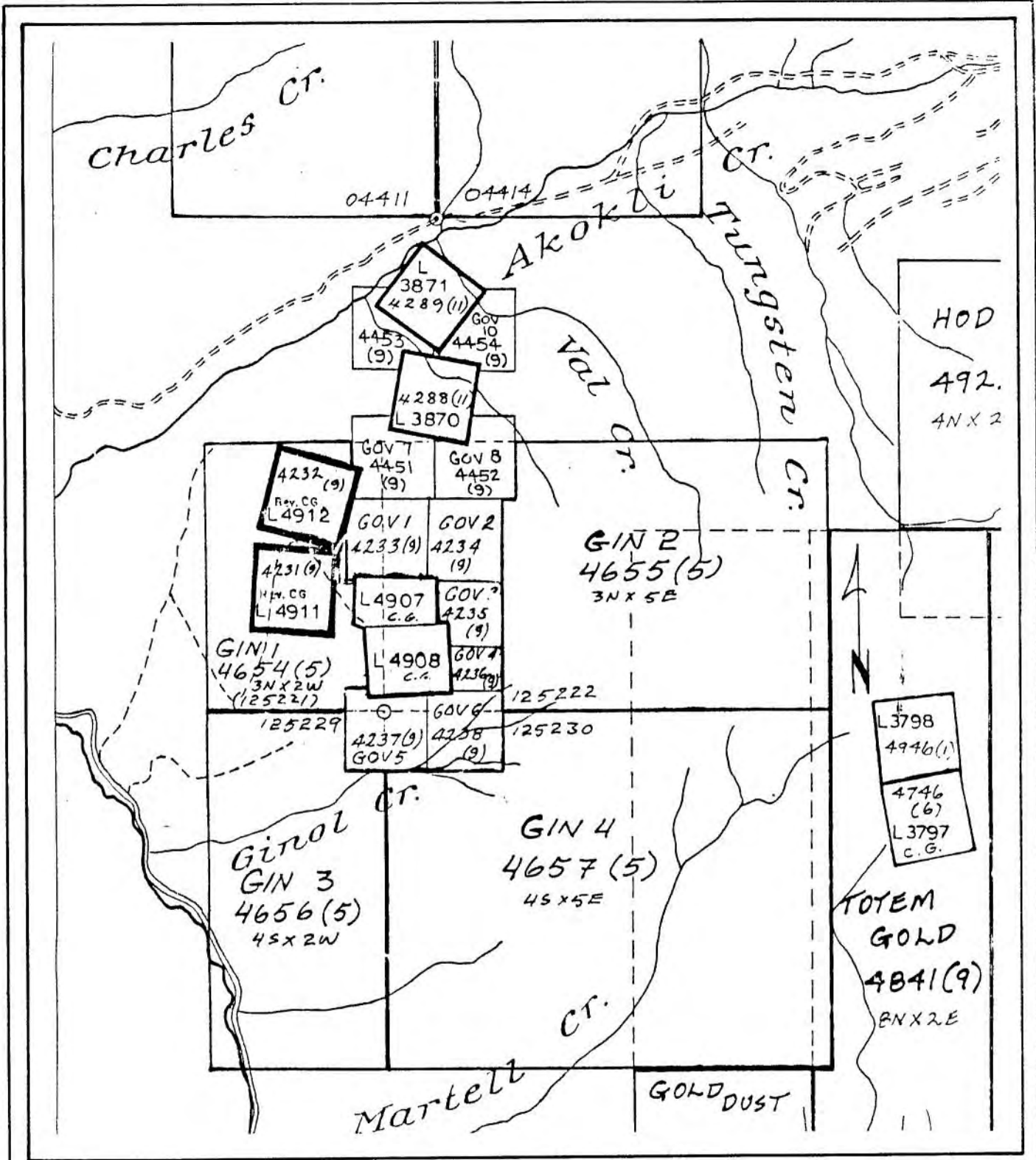


IMCO RESOURCES LTD. Valparaiso - 1987 Project Area





IMCO RESOURCES LTD			
VALPARAISO - 1987			
INDEX MAP to MAP IMCV8-01			
SCALE 1:50 000	DATE 1988-02-29	N.T.S. 82F/7	FIGURE
SPECTRUM GEOLOGICAL SERVICES LTD.			



IMCO RESOURCES LTD			
VALPARAISO - 1987			
CLAIM MAP			
SCALE 1: 31 680	DATE 1988-02-29	N.T.S. 82 F/7	FIGURE
SPECTRUM GEOLOGICAL SERVICES LTD.			

INTRODUCTION

Location and Access

The property lies approximately 40 km north-northwest of Creston BC east of Columbia Point on Kootenay Lake and south of Akokli Creek. The old mine and mill buildings are situated 755 m above Kootenay Lake at approximately 1290 m (4300 feet) elevation.

Access is excellent. A forestry access road leaving Highway 3A at Columbia Point is followed for 7.5 km along the south side of Akokli Creek. A spur joins this road to the old mine access road which is followed 1 km southward to the old mine site and present exploration site.

History

- | | |
|--------------|--|
| 1898 to 1932 | Preliminary development work and prospecting was done by several operators. This included driving of crosscuts to the Valparaiso Vein and Imperial Vein. |
| 1932 to 1933 | The Government Shaft is sunk and about 600 ft. (190 m) of lateral work is done. 324 tons of gold-silver ore is shipped to the Trail smelter. |
| 1954 to 1955 | Bulk sampling, construction of mill and headframe, lateral development, mining and milling of 533 tons of tungsten ore are done. |
| 1964 | M. J. Pritchard, the present owner, acquires the Valparaiso and Government Crown Granted Mineral Claims. |
| 1981 to 1982 | Custom Mining Inc. conducts a drilling and trenching program in the old workings area |

Economic Assessment

The potential for the occurrence of a gold-silver vein-type deposit in the Valparaiso/Government Workings area has been previously assessed as good (Greene, 1981). Because of operational problems and poor drilling conditions, the recent drilling program conducted by IMCO Resources Ltd. did not evaluate the main zone of interest. The status of the economic potential of the area therefore remains unchanged.

Property Mineral Claims - Description and Status

Project: Valparaiso
Mining Division: Nelson

CROWN GRANTED CLAIMS

<u>Claim Name</u>	<u>Lot No.</u>	<u>Tax Due Date:</u>	<u>Ownership</u>	<u>Option Terms</u>
Valparaiso	4907		M.J. Pritchard	
Government	4908		M.J. Pritchard	

MINERAL CLAIMS

<u>Claim Name</u>	<u>Record No.</u>	<u>No. of Units</u>	<u>Expiry Date</u>	<u>Ownership</u>	<u>Option Terms</u>
Gin 1	4654	6	1988-05-11	David Morgan	
Gin 2	4655	15	"	"	
Gin 3	4656	8	"	"	
Gin 4	4657	20	"	"	
Matilda	4289	1	1989-11-21	"	
Schmulka	4288	1	"	"	
Gov 1	4233	1	1989-09-26	"	
Gov 2	4234	1	"	"	
Gov 3	4235	1	"	"	
Gov 4	4236	1	"	"	
Gov 5	4237	1	"	"	
Gov 6	4238	1	"	"	
Gov 7	4251	1	1989-09-15	"	
Gov 8	4252	1	"	"	
Gov 9	4253	1	"	"	
Gov 10	4254	1	"	"	

GROUPINGS

<u>Group No.</u>	<u>Date</u>	<u>Claim Names</u>
2800	1986-09-15	Gov 1 - 10 Matilda Schmulka

SUMMARY

Drilling

Very poor drilling conditions in the first hole DD-V8-03-01 forced abandonment at 191 feet without intersecting the zone of interest. A second hole, drilled to 115 feet with a rotary tri-cone bit and cased to that point, was also abandoned at 211 feet, again without intersecting the zone of interest. The drilling contractor was unable and unwilling to complete the contract. Operations were suspended and all equipment removed from the exploration site on February 8.

Subsequently, arrangements were made with a percussion drilling contractor to drill a minimum of 1000 feet of 6 inch hole with complete retrieval of cuttings at 3 ft. intervals. Roadwork with a D8 cat to improve the road to accommodate the percussion drilling equipment and to build the drillsites began February 15. Drilling equipment was moved to the site on February 19 and drilling commenced on February 22. Three holes, PD-V8-01 to 03, were drilled to depths of 298 ft., 199 ft., and 273 ft. respectively. All holes were abandoned at these depths because of hole sloughing problems encountered below the water table and did not intersect the zone of interest. The downhole assembly and drill string were stuck and lost by the contractor in hole PD-V8-03. The contract could not be completed and all operations were suspended. All equipment was removed from the exploration site on February 27.

The project was terminated on February 29, 1988.

Technical Data and Interpretation

Drilling:

The Valparaiso/Government Workings exploration site presents very difficult ground conditions. Since 1981, all drilling contractors engaged have been unable to complete their contracts because of high costs and equipment or tool loss.

From surface to the water table (at 150-200 feet from surface), the high permeability of the very fractured rock prevents the proper cooling and lubrication of the diamond core bit. As a consequence bit costs can run as high as \$ 250 per foot over some intervals. Below the water table, the water saturated clay/sand material in zones of very altered or weathered rock is unstable and can result in sloughing problems. The rock over all intervals is alternately densely to moderately fractured and jointed. Moisture and weathering alteration along fracture and joint surfaces has produced selvages and narrow clay zones which cause separation of core and rock during coring resulting in frequent jamming in the bit and blockage in the core barrel.

Percussion or downhole hammer drilling has been successful in penetrating rock down to and below the water table. Penetration rates range from 40-50 ft. per hour and using a cyclone classifier, all cuttings with the exception of a small percentage of the very fine dust particles can be recovered. Below the water table, recovery remains good although some unsettled finely suspended solids may be lost in the discarded fluid returns. Penetration in water-saturated rock falls off to 15-20 ft. per hour.

Problems during percussion drilling arose after penetration of soft or broken sloughing rock material or large cavities. Circulation was quickly lost below these intervals and cuttings or cavings accumulation above the bit assembly caused sticking of the tool.

Technical Data and Interpretation - Drilling (cont.)

With percussion drilling, the problem of lost circulation may be overcome by supplying a higher pump pressure to a bit with a higher air volume rating. Alternatively, the hole could be air drilled and cased to the water table. Below the casing, the hole could then be drilled using drilling fluid rather than air.

For future drilling exploration, either of two methods should be attempted: percussion drilling to intersect the zone of interest using the cased upper hole method outlined above; percussion drilling to the water table, insertion of a liner to surface, conventional large bore diamond coring to intersect the zone of interest. The former offers the advantages of faster penetration rate and large sample volume. The latter provides better geological control. Either method may nevertheless present difficulties.

Geology:

While none of the boreholes reached the main zone of interest, it is evident that several parallel fractures with pyrite (altered to limonite) mineralization and sericitic quartz vein filling and veins occur above the Workings level. As observed in core and cuttings and at surface (roadcut at PD-V8-03 site), these occurrences are associated with zones of kaolinization, alunization and silicification. Together with black oxide coatings and traces of malachite stain on fractures or joint planes within these zones, the indication is that the rock has undergone a degree of hydrothermal alteration over some intervals (to 2m thickness)). It can be expected that these zones are very variable in thickness and are irregularly continuous.

Technical Data and Interpretation - Geology (cont.)

While the country rock is uniformly massive biotite granodiorite, lamprohyre dykes .1 to 3 m est. thickness are frequent over short intervals. They mainly follow the principle fracture orientation of 160-170 deg. / 40-50 deg. East. but also follow secondary fractures at 120 deg./60 West and 40 deg./50 West. Their relationship, if any, to mineralization is not understood.

Site preparation at PD-V8-03 uncovered a rusty shear zone 15m X 1m in size. A composite sample of weathered limonitic material over the entire zone yielded .055 oz/st Au, 1.39 oz/st Ag and .126 % Cu. The silver mineral has not been positively identified but may be sylvanite, a low temperature silver-gold telluride. These results are encouraging and indicate that mineralization is not localized in the Val Fault structure alone. The position of this zone almost directly above the main Government Workings shaft suggests the possibility of a saddle reef-like structure or a transecting fault conduit.

Conclusion

The Valparaiso Project - 1987 did not provide sufficient data to evaluate the mineralization at the Valparaiso/Government Workings area. Of the five drillholes started, because of hole problems and poor ground conditions, none reached the anticipated depth of the zone of interest.

The problems of lost circulation, sloughing and caving encountered during drilling suggest a very deep level of weathering within the fracture zones. These problems can be anticipated in any future exploration drillhole in the Workings area.

Hole PD-V8-01 produces about 20 gallons per minute (driller's estimate) from highly fractured and permeable rock. This is sufficient to supply any future diamond drilling and eliminates the need and additional expense incurred to haul water.

The high permeability of the fractured rock is demonstrated by the fact that during the air drilling of PD-V8-03, the compressed air was transmitted to the borehole PD-V8-02 at 100 feet distance. This high permeability could hamper any exploration drifting work as was earlier proposed. Pumping and dewatering will be required for any underground work lower than 150 feet below surface. (It is probable that excessive water entered the Government shaft at the lower levels during initial development and explains why deeper exploratory or development work on the structure was not done.)

Because of the poor ground conditions, steep terrain and the nature of the geology, the mineral potential in the Workings area will be difficult and perhaps costly to evaluate. The problems encountered by drilling in this program were no doubt also encountered by previous operators and may account for the suspension of the earlier mining and milling operations. Nevertheless, the property is a good prospect and subsurface evaluation should be completed.

STATEMENT OF COSTS

Drilling Operations (metric conversion: 1 ft. = .3048 meter)

1988-01-27 to 1988-02-03

Hole No.: V8-03-01	Interval (ft.): 0-191 (abandoned)	
Footage cost: 191 ft. @ 23 per ft		Cost: 4 393.00
Misc.: reaming 12 hrs @ 85. per hr		1 020.00
	equipment left in hole	893.10
Water Hauling: 67.5 hrs @ 40. per hr (PO# 1156)		Cost: 2 700.00

1988-02-04 to 1988-02-10

Hole No.: V8-03-02	Interval (ft.): 0-214 (abandoned)	
Footage cost: 214 ft. @ 23 per ft		Cost: 4 922.00
Misc.: Bit costs		3 083.00
Water Hauling: 45.0 hrs @ 40. per hr (PO# 1158)		Cost: 1 800.00
Description: Diamond Drill mobilization and demobilization with D6 Cat (PO# 1168)		Cost: 1 310.00

Total Diamond Drill Coring Costs: \$ 20 121.10

1988-02-18 to 1988-02-29

Hole No.: PD-V8-01	Interval (ft.): 298 feet	
Footage cost: 15 ft. @ 22. per foot		Cost: 330.00
Footage cost: 283 ft. @ 18. per ft		5 094.00
Miscellaneous: drive shoe @ 125 ea		125.00

Hole No.: PD-V8-02	Interval (ft.): 199 feet	
Footage cost: 35 ft. @ 22. per foot		Cost: 770.00
Footage cost: 164 ft. @ 18. per ft		2 952.00
Miscellaneous: drive shoe @ 125 ea		125.00

Hole No.: PD-V8-03	Interval (ft.): 273 feet	
Footage cost: 8 ft. @ 22. per foot		Cost: 176.00
Footage cost: 265 ft. @ 18. per ft		4 770.00
Miscellaneous: drive shoe @ 125 ea		125.00

Miscellaneous: Moves: 4 hrs @ 150. per hr		600.00
--	--	--------

Total Percussion Drilling Costs (PO# 1165): \$ 15 067.00

STATEMENT OF COSTS (cont.)

Construction Operations

1988-01-06 to 1988-01-26

Description: Road clearing, road building, site preparation		
Catwork: 24 hrs @ 82.50 per hr. (PO# 1151)	Cost:	1 980.00
Support: Swamper: 7 hrs @ 10.00 per hr. (PO# 1152)	Cost:	70.00
Miscellaneous: Blasting: 1 day @ 500.00 (PO# 1153)	Cost:	500.00

1988-02-18 to 1988-02-29

Description: Road building and site construction (PO# 1167)		
Catwork: 73 hrs @ 120/hr	Cost:	8 030.00
Support: Swamper: 73 hrs @ 10.hr		730.00
Miscellaneous: Hauling		422.00

Total Construction Costs: \$ 11 732.00

Supplies/Misc. Expenses

1988-01-06 to 1988-02-29

Description: core shed rental		
Charges: 3 weeks @ 50. per week (PO# 1152)	Cost:	150.00

Total Miscellaneous Expenses Cost: \$ 150.00

STATEMENT OF COSTS (cont.)

Supervision/Geological

1988-01-06 to 1988-01-26

Description: Project supervision (PO# 1154)		
Charges: Vehicle: 3 days @ 50.00 per day (gas incl.)	Cost:	150.00
Fees: 8 min.-days @ 100.00 per day	Cost:	800.00
4 half-days @ 150.00 per day		600.00
2 days @ 300 per day		600.00

1988-01-27 to 1988-02-03

Description: Project supervision (PO# 1155)		
Charges: Vehicle: 2 days @ 50. per day	Cost:	100.00
Fees: 1 min.-day @ 100 per day	Cost:	100.00
2 half-day @ 150 per day		300.00
3 days @ 300 per day		900.00

1988-02-04 to 1988-02-10

Description: Project supervision (PO# 1160)		
Charges: Vehicle: 2 days @ 50. per day	Cost:	100.00
Fees: 1 min.-day @ 100 per day	Cost:	100.00
3 half-day @ 150 per day		450.00
2 days @ 300 per day		600.00

1988-02-11 to 1988-02-17

Description: Project supervision (PO# 1162)		
Charges: Vehicle: 2 days @ 50. per day	Cost:	100.00
Fees: 3 min.-day @ 100 per day	Cost:	300.00
1 half-day @ 150 per day		150.00
1 days @ 300 per day		300.00

1988-02-18 to 1988-02-29

Description: Project Supervision, report preparation (PO# 1164)		
Charges: Vehicle: 10 days @ 50. per day	Cost:	500.00
Fees: 1 half-day @ 150. per day	Cost:	150.00
11 days @ 300. per day		3 300.00

Total Supervision/Geological Costs: \$ 9 150.00

STATEMENT OF QUALIFICATIONS

I, Alfred Sonni Greene of Kootenay Bay in British Columbia certify that:

1. My address is P.O. Box 57, Kootenay Bay BC V0B 1X0 and that my occupation is that of Geologist.
2. I am a graduate of the University of Calgary, 1969, with a degree of Bachelor of Science - Geology.
3. I have been a practising geologist since 1969 and am a member in good standing of the Association of Professional Engineers, Geologists and Geophysicist of Alberta.
4. This report is based on data acquired by personal examination of core and cuttings obtained by drilling carried out under my supervision, and geological mapping personally undertaken and on assay results of samples personally taken.
5. I have no interest, either directly or indirectly, in the properties or securities of IMCO Resources Ltd.

This Assessment Report is respectfully submitted on this 11th day of May, 1988.



A. S. Greene, P. Geol.
Spectrum Geological Services Ltd.

APPENDIX I.1 Assay Results - Cuttings Samples (1 ft. = .3048 meter)

Project: Valparaiso

Borehole Id.: PD-V8-03

Prepared: 1988-02-27

Interval (ft)	Sample Tag	Au (oz/st)	Ag (oz/st)	Cu (%)	Description
12 - 15	33251	.001	.04	.007	biotite granodiorite, limonitic zones
24 - 27	33252	.001	.02	.01	biotite granodiorite, limonitic zones
27 - 30	33253	.001	.01	.008	biotite granodiorite, limonitic zones
45 - 48	33254	.001	.25	.009	biotite granodiorite, limonitic zones
84 - 87	33255	.001	.06	.008	biotite granodiorite, limonitic zones
87 - 90	33256	.001	.01	.007	biotite granodiorite, limonitic zones

APPENDIX 1.2 Assay Results - Rock Samples

Project: Valparaiso 1987

Prepared: 1988-02-27

Description Tag	Sample Tag	Au (oz/st)	Ag (oz/st)	Cu (%)	Description
GR-V8-001-01	33257	.042	3.72	.181	?goethite-pyrite, very weathered, massive, .3m X .1m; located at PD-V8-03
GR-V8-001-02	33258	.001	.02	.237	biotite granodiorite, fractured, heavy black oxide and malachite stain on all fracture surfaces; located at PD-V8-03
GR-V8-001-03	33259	.001	.18	.02	quartz-sericite lense underlying GR-V8-001-01; .5m X .15m
CP-V8-001-03	33260	.055	1.33	.126	composite sample of fractured, rusty weathered granodiorite at site PD-V8-03; 15m X 1m

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Company: NOR-QUEST RESOURCES

Project: J

Attention:

File: 8-254/P1

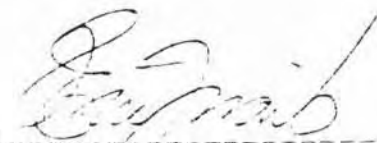
Date: MAR 9/88

Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AL G/TONNE	ALU OZ/TON	AG G/TONNE	AG OZ/TON	CU %
33 251	.01	0.001	1.5	0.04	.007
33 252	.02	0.001	0.8	0.02	.010
33 253	.01	0.001	0.5	0.01	.008
33 254	.04	0.001	8.6	0.25	.009
33 255	.01	0.001	2.0	0.06	.008
33 256	.02	0.001	0.4	0.01	.007
33 257	1.44	0.042	127.5	3.72	.181
33 258	.03	0.001	0.6	0.02	.237
33 259	.05	0.001	6.3	0.18	.020
33 260	1.89	0.055	44.6	1.30	.126

Certified by



MIN-EN LABORATORIES LTD.

APPENDIX 2.1 Borehole Record (metric conversion: 1 ft. = .3048 meter)

Hole Name: DD-V8-03-01 Property: Valparaiso District: Nelson
 Coordinates: X: Y: Z (Elev.): 54.5 m Brg: Dip: 90
 Commenced: 1988-01-29 Completed: 1988-02-03 Logged: 1988-02-24
 Core: NQ Casing: 23 feet Length: 191 ft. Rec: 185 ft. Rec. (Z): 97
 Assays: none
 Geologist: A.S. Greene Drill Contractor: Don Leslie
 Comments: abandoned before T.D.; lost core barrel

Hole Name: DD-V8-03-02 Property: Valparaiso District: Nelson
 Coordinates: X: Y: Z (Elev.): 54.5 m Brg: 160 Dip: 70
 Commenced: 1988-02-04 Completed: 1988-02-07 Logged: 1988-02-24
 Core: NQ Casing: 115 feet Length: 211 ft. Rec: 93 ft. Rec. (Z): 43
 Assays: none
 Geologist: A.S. Greene Drill Contractor: Don Leslie
 Comments: abandoned before T.D.; bits scrubbed (2 ft./bit)

Hole Name: PD-V8-01 Property: Valparaiso District: Nelson
 Coordinates: X: Y: Z (Elev.): 25.5 m Brg: Dip: 90
 Commenced: 1988-02-23 Completed: 1988-02-24 Logged: 1988-02-24
 Core: n/a Casing: 15 feet Length: 298 ft. Rec: n/a Rec. (Z): n/a
 Assays: none
 Geologist: A.S. Greene Drill Contractor: Owens Drilling Ltd.
 Comments: 6 inch percussion hole, water (20 gal/min) at 200 ft, abandoned before T.D.

Hole Name: PD-V8-02 Property: Valparaiso District: Nelson
 Coordinates: X: Y: Z (Elev.): 23 m Brg: Dip: 90
 Commenced: 1988-02-24 Completed: 1988-02-25 Logged: 1988-02-27
 Core: n/a Casing: 35 feet Length: 199 ft. Rec: n/a Rec. (Z): n/a
 Assays: none
 Geologist: A.S. Greene Drill Contractor: Owens Drilling Ltd.
 Comments: 6 inch percussion hole, water at 100 feet, abandoned before T.D.

Hole Name: PD-V8-03 Property: Valparaiso District: Nelson
 Coordinates: X: Y: Z (Elev.): 47.5 m Brg: Dip: 90
 Commenced: 1988-02-25 Completed: 1988-02-27 Logged: 1988-02-27
 Core: n/a Casing: 8 feet Length: 273 ft. Rec: n/a Rec. (Z): n/a
 Assays: 12-15; 24-27; 27-30; 45-48; 84-87; 87-90 (Ag, Au, Cu)
 Geologist: A.S. Greene Drill Contractor: Owens Drilling Ltd.
 Comments: 6 inch percussion hole, water at 162 feet, abandoned before T.D.; downhole hammer and 253 feet drillsteel lost

APPENDIX 2.2 Diamond Drill Core Log (metric conversion: 1 ft. = .3048 meter)

Drillhole No.: DD-V8-01-01 Core: NQ Cased: 23 ft. Cut: 168 ft. Rec.: 165 ft.
 Location: Old DDS-V81-3 Dir.: / 90 Length: 191 ft.

Interval (ft)	Cut (ft)	Rec. (ft)	Qual.	Description
0 - 23				(casing)
23 - 33	10	10	gd	Biotite granodiorite (100%), massive, white to light grey, coarse crystalline, fabric - subhedral, accessory min. - chlorite, pyrite, alteration - variable kaolinite, alunite, silica; joints@core axis 30-45 deg., common
33 - 35	2	2	gd	Biotite granodiorite as above; recrystallized silicified zone; narrow bands to 10 cm of leuco-granodiorite
35 - 35.5	.5	.5	gd	Biotite lamprophyre, dark green, rusty
35.5 - 52.5	17	17	gd	Biotite granodiorite as above
52.5 - 53	.5	.5	gd	Lamprophyre, dark green, irregular boundary to granodiorite
53 - 53.5	.5	.5	gd	Biotite granodiorite (?xenolith)
53.5 - 58	4.5	4.5	gd	Lamprophyre as above
58 - 69	11	11	gd	Biotite granodiorite as above, very weathered/altered to kaolin + white alunite, black iron oxide (?goethite) on joint faces; 61-62 ft. - silicified zone with pyrite, ?goethite, stringers, veinlets and short lenses of cloudy quartz
69 - 91	22	22	gd	Lamprophyre as above, accessory quartz porphroblasts to 3 mm; wallrock spalls at 72-76 ft., 83-84 ft.
91 - 102	11	11	gd	Biotite granodiorite as above
102 - 103	1	1	gd	Lamprophyre as above, overlies 5 cm crush zone, margins to granodiorite are recrystallized
103 - 127	24	24	gd	Biotite granodiorite as above
127 - 128	1	1	gd	Lamprophyre as above
128 - 191	63	58	gd	Biotite granodiorite as above

APPENDIX 2.2 Diamond Drill Core Log

Drillhole No.: DD-V8-01-02 Core: NQ Cased: 115 ft. Cut: 96 ft. Rec.: 93 ft.
 Location: Old DDS-V81-03 Dir.: 160 / 70 Length: 211 ft.

Interval (ft)	Cut (ft)	Rec. (ft)	Qual.	Description
0 - 115				(casing)
115 - 122	7	7	gd	Biotite lamprophyre, dark green, accessory hornblende, chlorite alteration
122 - 211	89	86	gd	Biotite granodiorite (100%), white to light grey, massive, coarse crystalline, fabric - subhedral, accessory min. - chlorite, pyrite, alteration - kaolin, alunite, silica; joints@core axis 25-35 deg., very fractured at 182-194 ft.; lamprophyre at 203-203.5 ft.

APPENDIX 2.3 Percussion Drill Log (metric conversion: 1 ft. = .3048 meter)

Borehole Id.: PD-V8-01
Location: ODDS-V81-6

Cased: 15 ft. Cut: 298 ft. Rec.: 292 ft.
Dir.: vertical Length: 298 ft.

Interval (ft)	Cut (ft)	Description
0 - 15	15	(casing)
15 - 234	219	Biotite granodiorite, occasional rusty zones and lamprophyre dykes, hole collapse at 150 ft.
234 - 243	9	Lamprophyre
243 - 292	49	Biotite granodiorite, fractured
292 - 298	6	(no returns, sticking badly)

APPENDIX 2.3 Percussion Drill Log

Borehole Id.: PD-V8-02
 Location: 65 m NNW of ODDS-V81-6

Cased: 35 ft. Cut: 199 ft. Rec.: 164 ft.
 Dir.: vertical Length: 199 ft.

Interval (ft)	Cut (ft)	Description
0 - 30	30	talus (casing)
30 - 39	9	Biotite granodiorite, massive
39 - 42	3	Biotite granodiorite, fractured, friable, kaolinite clay
42 - 68	26	Biotite granodiorite, fractured, damp at 50 ft., 57 ft.
68 - 71	3	Biotite granodiorite, very fractured, rusty red
71 - 75	4	Biotite granodiorite, very friable, very altered to kaolinite clay
75 - 85	10	Lamprophyre, friable
85 - 87	2	Lamprophyre/biotite granodiorite
87 - 91	4	Lamprophyre, friable
91 - 96	5	Biotite granodiorite, massive, damp sections
96 - 104	8	Lamprophyre, damp to wet, slightly friable
104 - 112	8	Biotite granodiorite, massive
112 - 115	3	Biotite granodiorite, slightly fractured, variably limonitic
115 - 148	33	Biotite granodiorite, massive
148 - 154	6	Biotite granodiorite, kaolinitic
154 - 159	5	Biotite granodiorite, rusty brown, limonitic
159 - 179	21	Biotite granodiorite, massive, slightly fractured
179 - 199	20	(no returns) some downhole ground shift and collapse

APPENDIX 2.3 Percussion Drill Log

Borehole Id.: PD-V8-03 Cased: 8 ft. Cut: 273 ft. Rec.: 265 ft.
 Location: approx. 15 m south of ODDS V81-4 Dir.: vertical Length: 273 ft.

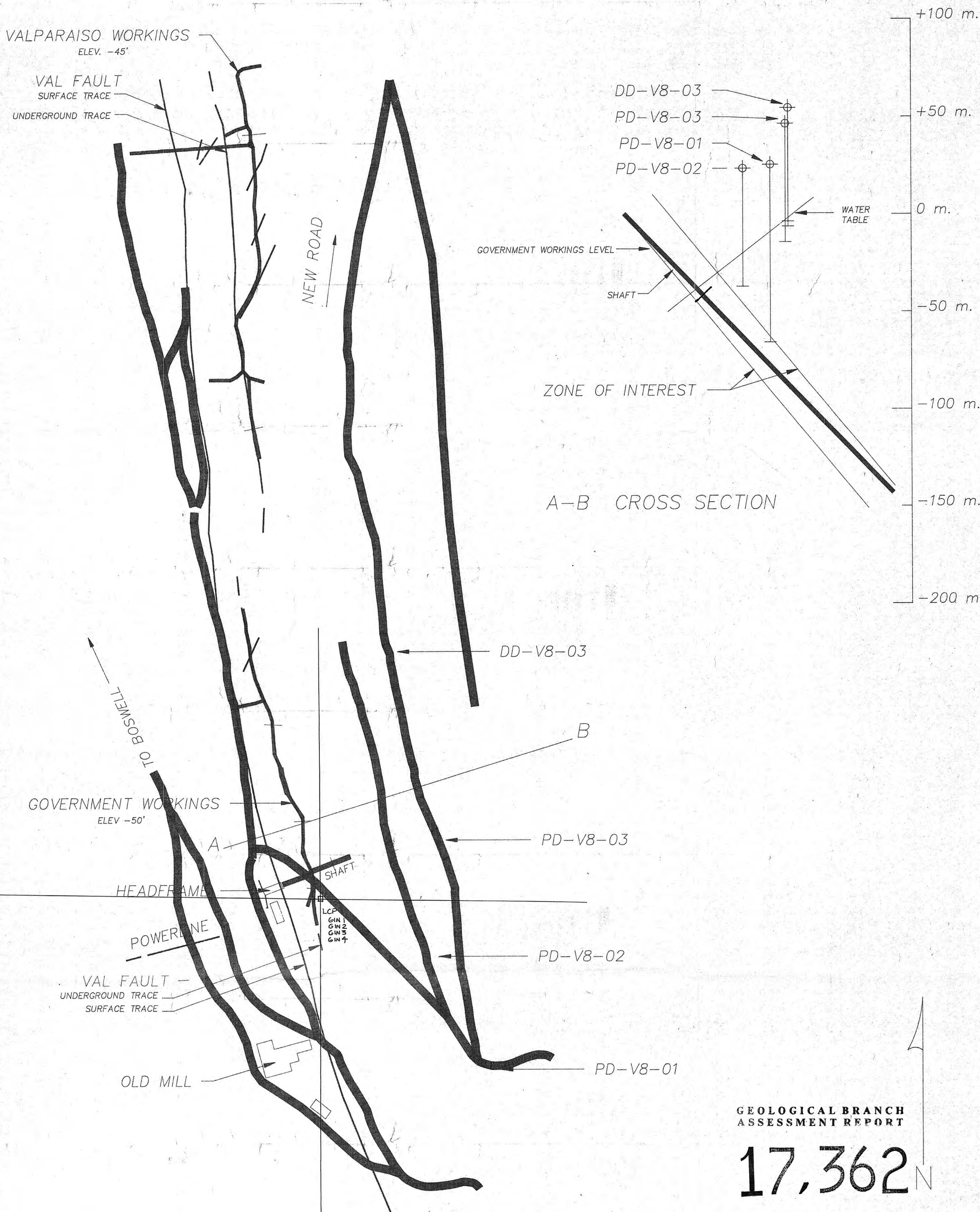
Interval (ft)	Cut (ft)	Description
0 - 80	80	Biotite granodiorite, unaltered; rusty zones at 12-15 ft., 24-27 ft., 27-30 ft., 45-48 ft.,
80 - 84	4	Biotite granodiorite, fractured, friable, weathered, ?altered
84 - 87	3	Biotite granodiorite, fractured, slightly rusty
87 - 124	37	Biotite granodiorite, very fractured at 105-107 ft., 115-116 ft., slightly rusty at 96 ft.
124 - 135	11	Lamprophyre
135 - 139	4	Biotite granodiorite, very weathered and friable
139 - 147	8	Biotite granodiorite, massive
147 - 195	48	Biotite granodiorite, fractured, friable, (water table at 162 ft.)
195 - 205	10	Biotite granodiorite, massive
205 - 207	2	Biotite granodiorite, fractured
207 - 216	9	(poor to no returns)
216 - 267	51	Biotite granodiorite, fractured, very wet
267 - 273	6	(no returns)

APPENDIX 3 Rock Descriptions

Description Tag	Location on Grid (m)			Site Dim. (m)	Description
	North	East	Elev.		
RK-V8-001	loc.	PD-V8-03		15m X 1m	Biotite granodiorite (100%), white to light grey, massive, coarse crystalline, subhedral, acc. min. chlorite, pyrite; alteration kaolin, alunite, silica; iron oxidized zone, sporadic malachite stain on fracture surfaces; shear 160/40 E with irreg. pyrite lenses overlying quartz-sericite vein (simple, pinch and swell), joints/fractures 160-165/40 E, 120/60 W, 40/55N, black oxide on all joint/fracture surfaces

REFERENCES

- Greene, A. S.; 1981; "Property Evaluation Report, Destiny Bay Properties, HOT Group of claims"
- Rice, H. M. A.; 1941; "Nelson Map-Area, East Half, British Columbia"; Geological survey of Canada Memoir 228.



PLAN VIEW
GOVERNMENT/VALPARAISO WORKINGS

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,362 N

IMCO Resources Ltd.		
VALPARAISO-1987		
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