SMITHERS

/ 86-661-15225

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
Geochemical	$3,336.16

AUTHOR(S) ....Ruben Corvalan..... SIGNATURE(S) .....

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED October 30, 1986 YEAR OF WORK 1986

PROPERTY NAME(S) ....
QUARTZ SILVER

COMMODITIES PRESENT .. ....Ag, Pb, Zn, Cu, Au, W

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN ...103I-18

MINING DIVISION ....Skeena..... NTS ... 103J/2E

LATITUDE 54°00.8' ..... LONGITUDE ..... 130°35.1'

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

BR 1 (12 Units)
BR 2 (3 Units)

OWNER(S)

(1) BANWAN GOLD MINES LTD. (2)

MAILING ADDRESS
c/o #800-601 W. Hastings Street
Vancouver, B.C. V6B 5A6

OPERATOR(S) (that is, Company paying for the work)

(1) Imperial Metals Corporation (2)

MAILING ADDRESS
#800-601 W. Hastings Street
Vancouver, B.C. V6B 5A6

FILMED

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

The claims are underlain by metasediments which are intruded by quartz diorite. Auriferous pyritic quartz veins occur in the intrusive rocks. The geochemical survey returned anomalous gold values in rocks, silts and soils.

REFERENCES TO PREVIOUS WORK ...

(over)

TABLE OF CONTENTS

INTRODUCTION

Location and Access:

The BR1 and BR2 claims are located on the northwest corner of Porcher Island, 40 km southwest of Prince Rupert, B.C. Access to the island is by boat, barge, float plane or helicopter from Prince Rupert. There is no usable road in the vicinity of the claims.

Property:

The property consists of two claims held by Imperial Metals Corporation.

Claim Name	Record No.	Units	Expiry Date
BR - 1	829	12	Nov. 14, 1986
BR - 2	830	3	Nov. 14, 1986

History:

The BR claims surrounds the claims that protect the Edye Pass and Surf Point mines. A total of 61,000 tonnes were mined from these properties during the 1933-1939 period.

Geology:

The property is located within a circular quartz diorite boss that intrudes meta-sediments. The intrusive consists of an outer peripheral hornblende quartz diorite about 300m wide and an inner core of quartz diorite.

Auriferous quartz veins occur in both the outer hornblende quartz diorite and, the quartz diorite core. In the Surf Point mine area, some 30 separate veins has been investigated. The BR-1 and BR-2 area has a similar potential, but the area is covered by a thick vegetal cover.

Summary of Work Done:

The property was visited August 28th and August 29th. During August 28th, the Edye Point and the Surf Pass Mines were inspected as well as the upper sector of the BR claims. Several chip samples were taken from the veins in the mines as well as in the upper sector of the claims. During August 29th, the creek that runs along the BR-1 claims was sampled (stream sediment). Several soil samples were taken from the western slope of the creek that runs along the BR#1 claim.

GEOCHEMICAL SAMPLING

Soil Silt Sampling:

Samples were collected every 30m in the upper sector of the claim. The spacing down the creek was given for the accessibility. The soil samples were dug with a hand shovel to 15-25cm. The samples were taken by hand and placed in water resistant envelopes where they remained until analysis.

Sample Analysis:

Soil and silt samples were delivered to Acme Laboratories, Vancouver, B.C. They were first dried and then sieved to -80 mesh and then prepared for ICP analysis.

Rock samples were crushed to -4M and then pulverized. One fraction of the sample was used for ICP analysis and the other to assay gold by atomic absorption.

Interpretation:

Most of the gold anomalous values occured on soil samples, mostly along the creek. The creek is deeply incised and in large extensions running under a thick vegetal cover that makes it impossible to take stream sediment samples in a systematic fashion.

Gold results of the survey are indicated in Map #1. Anomalous values occurs on the central area of the creek in soil samples. A grab composite sample (1801) showed anomalous rock gold values on the top of a small cliff within the BR-1 claim.

CONCLUSION

There is some possibility of gold mineralization on the western slope of the creek.

RECOMMENDATIONS

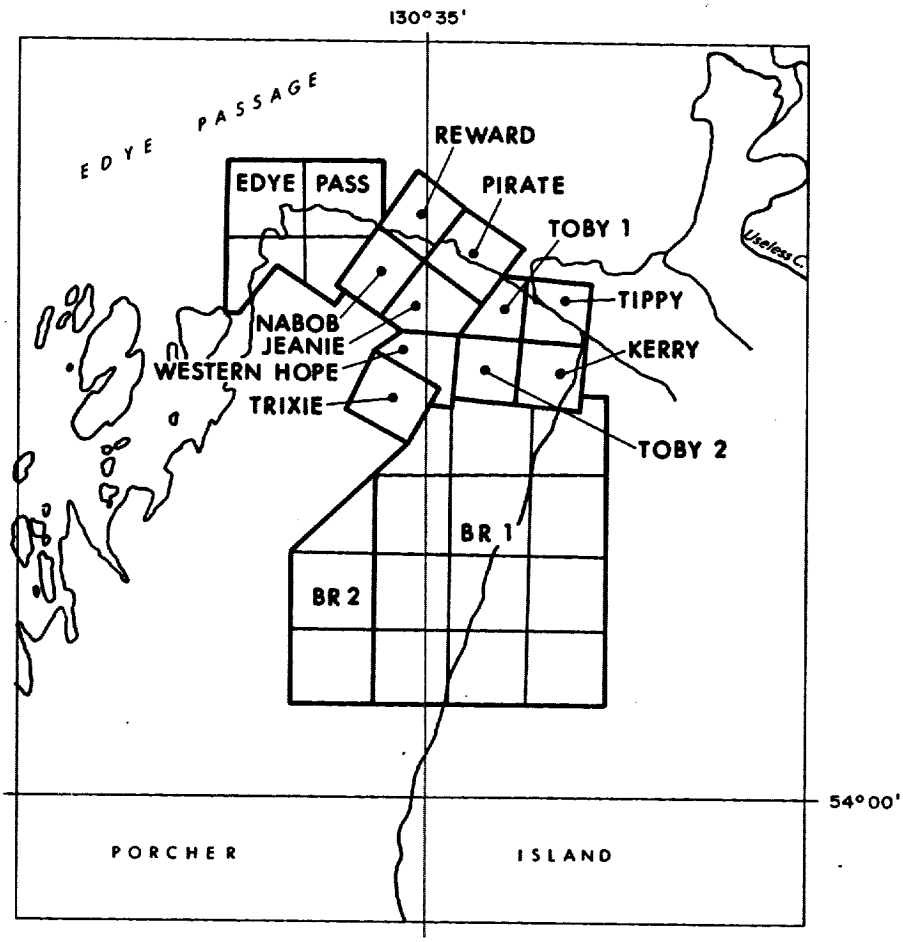
Anomalous geochemical values and the report of mineral occurrences within the claim area (M1 103J 111, 112) warrant further research in the area of the BR-1 and BR-2 claims (ie: a systematic soil sampling of the western slope).

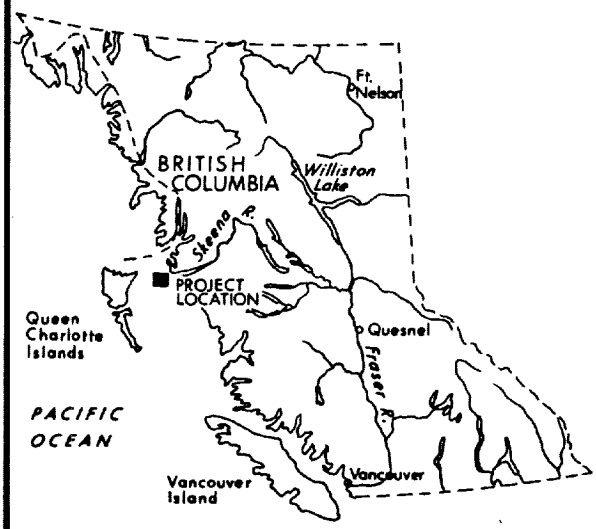
BIBLIOGRAPHY

H.J. Bergmann, 1980, "Report on Porcher Island Gold Property of Banwan Gold Mines Ltd., Porcher Island, B.C.".

R.E. Arndt, 1980 "Report on the Underground Exploration Work, Phase I and Phase II at Banwan Gold Mines Ltd., Porcher Island, B.C.".

W.W. Hutchison, 1982, "Geology of Prince Rupert - Skeena map area, Memoir 394 GSC."





IMPERIAL METALS CORPORATION

PORCHER ISLAND

FIGURE 1 N.T.S. 103/J2

LOCATION MAP

Km 1 0 1 2 Km

SCALE: 1:50 000	GEOLOGIST: R. CORVALAN
DATE: OCTOBER 1986	DRAWN BY: S. HAWORTH

ANNEX #1

Statement of expenditures on the BR-1, and BR-2 mineral claims for 1986.

Wages and Salaries		
I.R. Corvalan	3 days @ $200/day	$ 600.00
John Ball	1 day @ $200	200.00
Geochemical Analysis		598.12
Transportation (helicopter plus airfare)		1,368.60
Food and logging		369.44
Report Preparation		200.00
TOTAL		$ 3,336.16

ANNEX #2

IN MATTER OF THE

B.C. MINERAL ACT

AND

IN MATTER OF A GEOCHEMICAL SURVEY

CARRIED OUT ON THE

BR-1 AND BR-2 CLAIMS

LOCATED IN THE SKEENA MINING DIVISION

OF THE PROVINCE OF BRITISH COLUMBIA

MORE PARTICULARLY, N.T.S. 103J/2E

A F F I D A V I T

I, I. Ruben Corvalan, P. Eng., of the City District of North Vancouver in the Province of British Columbia, make oath and say:

1. That I am an employee of Imperial Metals Corporation and as such have a personal knowledge of the facts of which I hereinafter dispose;

2. That annexed hereto and marked as "Annex #1" is a true copy of expenditures on a geochemical and trenching program carried out on the BR Claim Group;

3. That the said expenditures were incurred the date of August 27th to August 30th, 1986, for the purpose of mineral exploration on the above claims.

I.R. ~~CORVALAN~~, P. ENG.

ANNEX #3

IMPERIAL METALS CORPORATION

STATEMENT OF QUALIFICATIONS

I, I. Ruben Corvalan, P. Eng. of the City District of North Vancouver, British Columbia, hereby certify:

1. That I am a Professional Engineer residing at #117 - 908 Berkley Road, North Vancouver, British Columbia;

2. That I graduated with a Mining Engineering Degree from the University of Chile, Chile in 1969;

3. That I have practiced geology and geochemistry in South America and Canada for the last 15 years.

DATED THIS 25th DAY OF Sep, 1986
AT VANCOUVER, BRITISH COLUMBIA

SIGNED I. Corvalan

I.R. CORVALAN, P. ENG.

ANNEX A

GEOCHEMICAL RESULTS

ACME ANALYTICAL LABORATORIES LTD. 852 E.HASTINGS ST.VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS/SILTS P3-ROCKS AU# ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 6 1986 DATE REPORT MAILED: Sept 13/86 ASSAYER.. D. Toye ..DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - PORCHER ISLAND FILE # 86-2514 PAGE 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
JB 0+10	1	17	3	39	.1	11	9	573	2.26	2	5	ND	1	44	1	2	2	47	.52	.067	7	12	.67	68	.11	3	1.03	.05	.13	1	7
JB 0+20	1	15	2	29	.1	9	6	256	2.51	2	5	ND	1	23	1	2	2	57	.24	.015	6	11	.54	26	.14	9	.84	.03	.03	1	16
JB 0+30	1	17	12	39	.2	8	8	307	2.83	3	5	ND	1	44	1	2	2	55	.40	.050	7	11	.64	78	.12	5	1.27	.04	.11	1	4
JB 0+40	1	9	10	14	.3	2	4	76	7.21	14	5	ND	1	36	1	2	2	77	.20	.066	5	7	.17	32	.04	5	.54	.02	.04	1	1
JB 0+50	1	5	4	8	.1	2	2	96	1.41	2	5	ND	1	18	1	2	2	54	.14	.019	2	5	.13	10	.11	7	.30	.02	.02	1	10
JB 0+60	1	9	6	23	.3	7	7	431	5.47	2	5	ND	1	15	1	2	2	73	.14	.024	6	17	.40	22	.17	3	1.38	.02	.03	1	6
JB 0+70	1	6	2	9	.1	3	3	144	1.83	2	5	ND	1	15	1	2	2	56	.13	.015	3	6	.17	10	.14	5	.41	.02	.02	1	10
JB 0+80	1	5	5	8	.1	4	2	83	.91	2	5	ND	1	20	1	2	2	34	.17	.015	4	6	.18	19	.13	3	.51	.02	.03	1	23
JB 0+90	1	2	3	6	.1	4	2	59	.56	2	5	ND	1	19	1	2	2	25	.17	.015	3	7	.12	15	.10	2	.36	.02	.02	1	1
JB 0+100	1	6	7	16	.1	4	1	19	.22	2	5	ND	1	47	1	2	2	5	.54	.055	2	2	.12	24	.01	8	.14	.03	.04	1	1
JB 0+10S	1	14	4	43	.1	8	10	636	2.53	2	5	ND	1	45	1	2	2	48	.48	.069	7	9	.68	85	.11	2	1.24	.05	.15	2	12
JB 0+20S	1	14	5	43	.1	9	10	650	2.36	2	5	ND	1	52	1	2	2	48	.43	.057	6	12	.69	81	.12	2	1.16	.05	.14	2	9
JB 0+30S	1	14	2	41	.1	8	8	623	2.31	2	5	ND	1	59	1	2	2	46	.63	.061	6	11	.71	95	.11	3	1.40	.08	.14	1	2
JB 0+40S	1	19	14	43	.1	12	11	626	2.49	3	5	ND	1	46	1	2	2	56	.54	.071	7	10	.76	106	.14	2	1.21	.06	.18	2	2
JB 0+50S	1	17	2	41	.1	12	9	602	2.30	2	5	ND	1	50	1	2	2	47	.52	.066	7	12	.72	97	.12	2	1.21	.06	.16	1	6
JB 0+60S	1	20	6	38	.1	8	10	681	2.35	4	5	ND	1	41	1	2	2	52	.50	.065	6	13	.74	65	.12	2	1.14	.06	.13	1	13
JB 0+70S	1	19	5	50	.2	9	11	701	2.74	2	5	ND	2	135	1	2	2	54	.55	.080	9	11	.77	154	.14	2	1.45	.07	.18	1	22
JB 0+80S	1	14	6	40	.1	12	10	611	2.41	3	5	ND	1	60	1	2	2	49	.51	.082	6	14	.75	87	.11	2	1.16	.06	.13	1	16
JB 0+90S	1	19	3	46	.1	9	10	674	2.54	5	5	ND	1	72	1	2	2	52	.55	.079	6	14	.79	102	.12	3	1.30	.06	.16	1	850
RG 0+0	1	19	4	45	.1	12	9	410	2.36	4	5	ND	1	48	1	2	2	51	.48	.049	7	10	.75	70	.12	8	1.13	.06	.12	1	2
RG 0+10	1	19	11	48	.1	9	7	277	2.61	2	5	ND	1	24	1	2	2	58	.22	.023	5	13	.60	31	.14	7	1.03	.03	.04	1	28
RG 0+20	1	19	8	48	.2	8	8	474	2.33	2	5	ND	1	32	1	3	2	49	.35	.045	5	12	.58	65	.12	15	1.03	.03	.11	1	11
RG 0+30	1	14	4	40	.1	8	8	345	2.26	2	5	ND	1	23	1	2	4	49	.24	.026	7	11	.53	41	.12	10	.97	.03	.07	1	6
RG 0+60	1	4	5	20	.1	4	2	113	.92	2	5	ND	1	17	1	2	2	26	.16	.013	3	6	.22	13	.11	10	.45	.02	.02	1	10
RG 0+90	1	17	3	41	.2	10	9	559	2.46	2	5	ND	1	44	1	2	2	50	.39	.048	7	11	.73	86	.13	8	1.15	.05	.14	1	6
RG 0+0S	1	19	5	56	.1	10	11	716	2.81	2	5	ND	1	46	1	2	2	57	.56	.084	7	13	.81	89	.13	10	1.21	.06	.16	1	3
RG 0+10S	1	17	6	43	.1	10	9	553	2.49	3	5	ND	1	51	1	2	2	52	.44	.055	7	12	.72	90	.13	14	1.16	.05	.14	1	15
RG 0+20S	1	20	6	56	.1	9	10	670	2.77	3	5	ND	1	94	1	2	2	56	.51	.067	8	11	.76	116	.14	2	1.36	.06	.16	1	36
RG 0+30S	1	19	5	54	.1	9	9	692	2.46	3	5	ND	2	62	1	2	3	47	.58	.084	8	10	.70	93	.12	8	1.25	.08	.19	1	5
RG 0+60S	1	20	3	42	.2	8	10	611	2.79	4	5	ND	1	57	1	2	2	54	.45	.061	7	13	.73	94	.13	2	1.21	.06	.14	1	67
RG 0+90S	1	7	4	15	.2	5	4	137	1.12	2	5	ND	1	20	1	2	2	32	.17	.018	4	7	.27	21	.11	4	.55	.02	.03	1	14
R-1	1	5	3	27	.2	1	1	11	.16	2	5	ND	1	9	1	2	2	2	.04	.049	2	1	.02	15	.01	4	.58	.02	.02	1	1
R-2	1	7	7	12	.1	1	1	20	.15	2	5	ND	1	43	1	2	2	2	.06	.045	2	2	.16	40	.01	10	.10	.02	.04	1	1
R-3	1	25	9	27	.2	8	7	241	4.28	2	5	ND	3	15	1	2	2	92	.22	.022	7	10	.54	27	.31	3	1.86	.03	.08	2	1
R-4	1	3	9	7	.1	1	2	52	2.05	2	5	ND	1	16	1	2	2	37	.07	.021	4	3	.06	26	.11	10	.92	.01	.02	1	2
R-5	1	8	7	13	.1	1	2	38	1.19	2	5	ND	1	29	1	2	2	11	.07	.040	2	3	.13	43	.04	8	.17	.03	.04	1	1
STD C/AU-0.5	21	58	37	133	6.9	67	29	1078	3.99	43	20	8	32	47	17	15	19	62	.48	.104	36	58	.88	175	.08	35	1.73	.06	.13	12	515

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R-6	1	9	2	6	.2	2	1	16	.22	2	5	ND	1	11	1	2	4	1	.07	.035	2	1	.05	13	.01	6	.30	.01	.01	1	4
R-7	1	2	5	5	.2	2	1	60	.23	2	5	ND	1	11	1	2	2	15	.09	.011	4	1	.05	7	.17	3	.53	.01	.01	1	2
R-8	1	1	7	9	.2	4	1	71	1.34	3	5	ND	1	12	1	2	2	58	.12	.016	3	7	.14	9	.16	2	.56	.01	.02	1	3
R-9	1	7	6	6	.1	2	1	18	.10	2	5	ND	1	19	1	2	5	2	.17	.045	2	1	.06	16	.01	2	.18	.02	.02	1	1
R-10	1	1	6	8	.2	4	2	98	.97	3	5	ND	1	14	1	2	2	23	.11	.013	3	1	.08	11	.11	2	.32	.01	.03	1	1
R-11	1	1	10	13	.1	3	3	157	5.50	3	5	ND	2	11	1	2	2	64	.10	.024	3	4	.09	7	.24	6	2.18	.01	.02	1	3
R-12	1	18	5	28	.1	2	6	166	3.21	3	5	ND	4	4	1	2	2	65	.10	.025	6	2	.33	83	.14	2	.87	.01	.12	1	1
R-13	1	37	10	36	.1	17	8	257	4.69	2	5	ND	4	4	1	2	2	78	.09	.011	3	5	.50	45	.31	5	.98	.01	.10	1	1
R-14	1	3	9	8	.2	3	1	111	1.06	2	5	ND	1	9	1	2	3	23	.09	.010	2	2	.10	11	.17	2	.40	.01	.04	1	2
R-15	1	4	2	22	.2	3	2	235	.59	2	5	ND	1	13	1	2	2	17	.10	.012	4	3	.27	10	.09	2	1.05	.01	.03	1	1
RB-1	1	5	4	12	.2	3	1	55	.62	3	5	ND	1	19	1	2	2	16	.14	.080	2	5	.08	19	.03	5	.41	.02	.06	1	3
RB-2	1	6	3	13	.2	2	1	18	.16	2	5	ND	1	47	1	2	3	3	.59	.048	2	3	.09	17	.01	4	.11	.03	.04	1	1
RB-3	1	6	4	83	.2	1	1	113	.06	2	5	ND	1	34	1	2	3	1	.65	.045	2	1	.07	12	.01	9	.05	.02	.03	1	1
RB-4	1	4	8	67	.2	3	1	23	1.01	2	6	ND	1	18	1	2	2	23	.11	.050	2	4	.06	11	.05	5	.22	.02	.04	1	1
RB-5	1	4	6	87	.2	2	1	22	.14	2	5	ND	1	27	1	2	2	2	.47	.055	2	1	.08	13	.01	4	.10	.02	.04	1	4
STD C/AU-0.5	19	57	35	125	6.7	64	28	1037	3.92	41	16	7	32	46	16	17	21	59	.48	.099	34	54	.88	172	.08	36	1.72	.06	.13	12	505

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
1801	1	6	2	29	.9	3	4	325	1.99	4	5	ND	2	126	1	2	3	12	.53	.070	6	2	.36	117	.05	2	.64	.03	.16	1	370
1802	1	3	5	6	.6	3	10	422	3.36	3	5	2	1	15	1	2	2	2	.45	.028	15	1	.08	34	.01	5	.18	.02	.06	1	1500
1803	6	7	7	1	15.5	4	37	31	3.90	2	5	34	1	13	1	2	27	1	.81	.004	5	2	.01	15	.01	2	.06	.01	.03	1	39100 ✓
1804	116	412	20	1	55.2 ✓	5	120	85	16.33	2	5	166	1	3	1	2	56	2	.11	.001	9	1	.03	10	.01	7	.01	.01	.02	1	165000 ✓
1805	4	4	4	12	1.3	6	4	1266	1.27	2	5	3	1	143	1	2	2	4	2.65	.005	2	2	.46	6	.01	3	.30	.01	.01	1	2200
1806	1	13	7	9	.3	3	2	91	.56	2	5	ND	3	18	1	2	2	4	.10	.008	3	2	.09	43	.02	2	.24	.06	.08	1	510
1807	1	14824 ✓	17	43	125.6 ✓	7	1	143	20.45	2	5	143	2	9	2	5	23	3	.25	.002	7	1	.04	12	.01	10	.04	.01	.05	1	151000 ✓
1808	37	996	20	1	117.7 ✓	5	114	76	19.30	2	5	253	1	3	1	3	90	4	.06	.002	3	1	.03	10	.01	2	.02	.01	.04	1	269000 ✓
1809	1	1693	9	2	33.2	4	15	78	10.80	2	5	58	1	4	1	2	12	1	.15	.001	2	2	.02	5	.01	2	.01	.01	.01	1	68200 ✓
STD C/AU-0.5	20	57	39	130	6.9	66	28	1077	3.94	38	17	7	34	48	17	18	21	62	.48	.101	38	37	.88	177	.08	39	1.72	.07	.13	12	525

✓ Assay required for correct result

130°36'

54°01'

54°01'

130°34'

RB-4
RB-5
RB-3
RB-2
RB-1

JB 0+80 (23,165)
JB 0+90 (850S)
JB 0+70 (10, 225)
JB 0+60 (135)
JB 0+50 (10)
JB 0+40
JB 0+30
JB 0+20 (16)
JB 0+10 (125)
RG 0+00
RG 0+10 (28,155)
RG 0+20 (11,565)
RG 0+30
RG 0+60 (10,675)
RG 0+90 (145)

R15
R14
R13
R12
R11
1806 (510)
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10

BR 2 BR 1

130°36'

130°34'

N

LEGEND

Stream

Claim Boundary

Claim Boundary (Overstaked)

Geochemistry Sample Number (Au Value)

RG 0+10
(28, 55)

NOTE 1 A value followed by an "S" denotes a soil sample A value without an "S" denotes a silt sample

NOTE 2 Only values ≥ 10 ppb Au are plotted

Rock Sample (Au ppb)

15,225

IMPERIAL METALS CORPORATION

PORCHER ISLAND

MAP 1 N.T.S. 103J/2E

SAMPLE LOCATIONS

Metres 100 0 100 200 300 400 Metres

SCALE: 1:5000	GEOLOGIST: R CORVALAN
DATE: OCTOBER 1986	DRAWN BY: S. HAWORTH