85-912-14074

11/86

GEOLOGICAL, GEOPHYSICAL AND DIAMOND DRILLING REPORT

INDIO - SCHNAPPS PROPERTY

SCHNAPPS #1 5962 (11)
SCHNAPPS #2 5983 (11)
SCHNAPPS #3 6595 (8)
SCHNAPPS #4 6596 (8)
SCHNAPPS #5 6665 (9)
INDIO #3 6397 (7)

OMENICA MINING DIVISION
N.T.S. 93N/6W 55° 22'N, 125° 20'W

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,074

R. PESALJ
IMPERIAL METALS CORPORATION
NOVEMBER 1985

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SUMMARY

Field work by Imperial Metals Corporation on the Indio-Schnapps property in 1985 included detail mapping, VLF survey, induced polarization and resistivity surveys and diamond drilling.

The work was conducted on Schnapps A grid where geochemical Cu anomaly measuring 500 by 100 meters was delineated in 1984. Detail mapping indicated the presence of porphyry copper mineralization in the outcrops on the west side of the grid and subsequent geophysical surveys located a chargeability anomaly over th same ground. Three more chargeability anomalies were detected to the southeast of the first anomaly. Diamond drilling of three anomalies was done by four holes totalling 239.73m . The first anomaly was explained by disseminated and stinger pyrite-chalcopyrite mineralization in mafic volcanics adjacent to a shear zone. The best intersection was 0.62% Cu over 2.55m. The two smaller anomalies to the southeast are probably overburden features not related to bedrock lithologies.

1. INTRODUCTION

This report pertains to exploration work carried by Imperial Metals Corporation on Indio-Schnapps claim group between July 1 and September 28, 1985.

2. PROPERTY

Currently Indio-Schnapps property consists of the following claims:

CLAIM	RECORD NO.	NO. OF UNITS	OWNER OF RECORD	DATE RECORDED
Schnapps #1	5962 (11)	20	Imperial Metals	Nov.14,1983
Schnapps #2	5983 (11)	20	Imperial Metals	Nov.14,1983
Schnapps #3	6595 (8)	8	Imperial Metals	Aug.20,1984
Schnapps #4	6596 (8)	10	Imperial Metals	Aug.20,1984
Schnapps #5	6665 (9)	4	Imperial Metals	Sept.4,1984
Indio #3	6397 (7)	18	Imperial Metals	July 17,1984

3. LOCATION, ACCESS, TOPOGRAPHY

The Indio-Schnapps property is located approximately 125 kilometers northwest of Fort St. James, on the west side of Indata Lake at elevations varying between 875 and 1,250 meters. The property is accessible by boat from the northwest end of Tchentlo Lake or by helicopter.

4. REGIONAL GEOLOGY

The property lies near the Pinchi fault structure that

extends for several hundred miles in a north-northwesternly direction. The Indata Lake area is underlain by marine sediments, carbonates and metavolcanics of Palezoic age that appear to have been moved easterly over Mezozoic Takla Group volcanics. These sediments and volcanics are locally intruded by rocks or Upper Jurassic to Lower Cretaceous age.

5. PRESENT WORK

Field work during 1985 season carried out by Imperial Metals consisted of geological mapping, geophysical surveys and diamond drilling. The work was done out of the camps by company staff assisted by temporary field personnel. Geophysical induced polarization and resistivity surveys were done by A. Scott of Vancouver. Diamond drilling contract was awarded to J.T. Thomas Drilling from Smithers. Analytical services were provided by Acme Analytical Labratories in Vancouver.

6. DETAIL MAPPING

Detail mapping on the Schnapps A grid was conducted along 10km of lines spaced 50 meters established by chain and compass in 1984. Surface geology is plotted on 1:1,000 scale map, FIG 3. Description of rock samples and analytical data are presented in seperate appendices of this report.

The purpose of detail mapping was to determine geological environment over a grid where a geochemical Cu anomaly was delineated during the 1984 field season. The anomaly measured 500m by 100m with copper values of several hundred parts per million to several thousand parts per million commanly occuring in this zone (7,700 ppm maximum).

The A grid on Schnapps #1 and #3 claims has several large outcrops on a hillside facing west toward the bay on Albert Lake.

The outcrops mapped are find grained mafic volcanics (andesites basalts) that represent massive submarine flows. Minor float of sedimentary origin (argillite, greywacke) was found at the western part of the grid. Copper mineralization in form of stringers and disseminations was found in the outcrop and float. Sample AA-P13 at 3+70N-4+05W of dark green, medium grained massive basalt contained disseminations and stringers of chalcopyrite, pyrite and bornite returning 1.80% Cu. A float from 3+50N-2+50W contained 0.80% Cu in a silicified mafic volcanic.

Silicification in form of quartz veinlets as well as epidote and chlorite were found associated with mineralization. The distribution of sulphides in sample AA-P13 is clearly fracture controlled.

7. GEOPHYSICAL SURVEYS (FIGS. 4-8)

The west part of A grid was covered by a VLF survey using Geonics EM-16 instrument and Seattle, Washington station. The survey delineated three weak northwest striking conductors. The middle conductor was traced over 200 meters and the other two were picked-up on one to three lines. The dip of the two conductors from the VLF profiles appear to be to the southwest.

An induced polarization and resistivity survey totalling 5.97 km was carried over the Schnapps A grid using time domain method, pole-dipole electode erray, 25m spacing and 2 second transmitting and 2 second receiving time pulses. Instrumentation used was Scintrex IPC-7 time domain 2.5 kw IP transmitter, IPR-11 multichannel receiver and Corona PPC 400 microcomputer and printer for processing and plotting the data.

Survey delineated a chargeability anomaly coinciding with geochemical anomaly over the west part of the grid and three smaller isolated anomalies on the southeast part.

8. DIAMOND DRILLING

Four diamond drill holes totalling 230.73m and recovering BQ core were completed in order to test three anomalies delineated by geophysical surveys. Figures 9,10 and 11 are drill sections. Borehole logs are in a seperate appendix that is part of this report.

Lithologies encountered in drill core are mafic volcanics and minor sediments and intrusives. Volcanic rocks are fine grained massive and vesicular basalts and andesites intercalated with greywacke and chert. Sediments are more common on the eastern part of the grid. Intrusive rocks are represented by quartz diorite found in DDH4. Quartz veining in chloritized and epidotized basalt was intersected by DDH1 and DDH2. The conductor tested by DDH1 was explained by a wide shear zone.

First two holes tested a wide geochemical and chargeability anomoly. The best copper value in drill core was 0.62% Cu over 2.55m in DDH2. The hole intersected several narrow intervals of low grade copper mineralization. The large geochemical anomaly is explained by disseminated and stringer pyrite-chalcopyrite mineralization in mafic volcanics adjacent to a shear zone. The third and fourth holes were aimed at isolated IP anomalies southeast of the large anomaly. The rocks encountered in these two holes contained no mineralization to explain the geophysical anomaly, therefore these two anomalies are probably overburden features.

Rad Pesalj

November, 1985

Rad Pesalj
Project Geologist

STATEMENT OF EXPENDITURES

PERSONNEL

R. Pesalj	July 1-7, Aug. 20-24, Sept. 23-28	$ 3,800.00
J. Boutwell	Sept. 23-28	660.00
R. Boase	July 1-7, Aug. 20-24	936.00
D. Dunlop	July 1-7, Aug. 20-24	936.00
J. Walker	Aug. 20-24	360.00
M. Hislop	Aug. 20-24	360.00

FOOD & ACCOMODATION

Camp and hotel costs	61 man days @ $40/day	1,960.00

DIAMOND DRILLING (September 23-28, 1985)

4 holes	230.73m @ $82.00/m	18,919.00
Helicopter support	28 hrs @ $500.00/hr	14,000.00

GEOPHYSICS

8.75 line km of IP survey (contract)	4,902.75

ANALYTICAL EXPENSES

23 rock samples @ $14.50	333.50
46 core samples @ $14.50	667.00

TRANSPORTATION

Truck 19 days @ $65.00/day	1,235.00
Helicopter 5 hrs @ $500/hr	2,500.00
Report preparation and drafting	500.00
	$52,070.11

SCHEDULE "A"
STATEMENT OF EXPENDITURES

Total Assessment Work Value $52,070.11

Value of work done from Septembr 23 - September 28, 1985

PERSONNEL

R. Pesalj	September 23 - 28	6 days @ $200/day	$ 1,200.00
J. Boutwell	September 23 - 28	6 days @ $110/day	660.00

FOOD & ACCOMODATION

12 man days @ $40/day		480.00

DIAMOND DRILLING

4 holes	230.73m @ $82/m	18,919.86
Helicopter Support	28 hours @ $550.00/hour	14,000.00

ANALYTICAL EXPENSE

46 core samples	$ 14.50	667.00

TRANSPORTATION

Truck	6 days @ $65.00/day	390.00

REPORT PREPARATION & DRAFTING		500.00
	TOTAL	$ 36,816.00

Less assessment work applied against:

Schnapps #3	6595	August 20	$ 5,600.00		
Schnapps #4	6596	August 20	7,000.00		
Schnapps #5	6665	September 4	2,000.00		
Indio #3	6397	July 17	9,000.00	Less	$ 23,600.00
					$ 13,216.00
Difference between total expenditures &			52,070.11 36,816.00	Plus	15,254.11
					31,470.11

Less assessment work applied against:

Schnapps #1	5962	November 14	$14,000.00		
Schnapps #2	5963	November 14	14,000.00	Less	28,000.00
					$ 3,470.11

PAC ACCOUNT

AUTHOR'S QUALIFICATIONS

Radomir Pesalj, B.Sc. Geological Engineering 1963, University of Belgrade, Yulgoslavia. Member of the Society of Economic Geologists Inc.

Since graduation worked as mining and exploration geologist on numerous projects throughout Canada. Presently a permanent staff geologist with Imperial Metals Corporation of Vancouver, B.C.

As Project Geologist supervised work on Indio-Schnapps property described in this report.

APPENDIX 1

ROCK SAMPLE DESCRIPTIONS

TRAVERSE NUMBER _____ PROJECT Schnapps, A Grid GEOLOGIST(S) R. Pesalj

N.T.S. 93N/6W AREA Albert Lake, B.C. DATE July 1985

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm)/%/oz. per ton)						
	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stram silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
AA-P1	Rock		Grab		4+50N-2+40W	Green, mass f.g. basalt, minor quartz + Py veinlets 1 mm wide, hematite stain along the joints, not mtc.							
AA-P2	Rock		Grab		4+50N-2+80W	Green, mass, f.g. basalt cut by thin 1mm. quartz veinlet, not mtc, hematite stain along the joints.							
AA-P3	Rock		Grab		4+30N-5+00W	Rusty weathered, green f.g. silicified mafic volcanic, blebs and disseminations of Py and minor cp. fractures quartz filled. Sulphides 12%.							
AA-P4	Rock		Grab		4+00N-3+25W	Green fine grained to aphanitic basalt cut by thin 1-2 mm. quartz veins. Diss. Py minor cp in veins and along the vein contacts.							
AA-P5	Rock		Grab		3+50N-2+50W	Light green, bleached, epidotized? basalt amygdaloidal, quartz filled amygdules 5mm across.							
AA-P6	Float		Grab		3+50N-2+50W	Rusty weathered float 10 x 10cm angular of mafic volcanic composition, silicified, disseminated Py and minor cp, slightly magnetic. Sulphides 6%.							

TRAVERSE NUMBER _____ PROJECT Schnapps, A Grid GEOLOGIST(S) R. Pesalj

N.T.S. 93N/6W AREA Albert Lake, B.C. DATE July 1985

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm)/%/oz. per ton)						
	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stram silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
AA-P7	Rock		Grab		3N-3+75W	Green, v.f.g. mafic rock of basaltic composition, massive, equigranular, non magnetic.							
AA-P8	Rock		Grab		2+50N-1+35W	Green f.g. to aphanitic basaltic rock, iron and manganese oxide stain along the joints, non magnetic.							
AA-P9	Rock		Grab		2+55N-3+80W	Green f.g. andesitic rock, massive, minor Mn oxides along the joints. Thin quartz veinlets with few specks of Py. Non magnetic.							
AA-P10	Rock		Grab		1+95N-2+05W	Light green, m.g. equigranular andesite or basalt, minor silicification, diss Py 8%, not magnetic.							
AA-P11	Float		Grab		4+00N-4+75W	Dark grey to black argillite, slightly graphitic, v.f.g. poorly bedded. Angular float 20 x 20 cm.							
AA-P12	Float		Grab		4+00N-4+75W	Green, m.g. basaltic to andesitic massive volcanic flow, moderately magnetic. Angular float 15 x 10 cm.							

TRAVERSE NUMBER _____ PROJECT Schnapps, A Grid GEOLOGIST(S) R. Pesalj

N.T.S. 93N/6W AREA Albert Lake, B.C. DATE July 1985

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm)/%/oz. per ton)						
	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stram silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
AA-P13	Float		Grab		3+70N-4+05W	Dark green, m.g. basaltic massive volcanic, disseminations and stringers of cp, bornite, Py. Sulphide content 15%. Slightly magnetic. Angular float 50 x 60cm.							
AAT-P14	Float		Grab		3+50N-4+00W	Green, massive, m.g. basalt, diss. Py, trace cp. Sulphides 3-5%. Angular float 30 x 15cm .							
AAT-P15	Rock		Grab		2+50N-3+50W	Green, f.g. massive basalt, trace diss. Py, not magnetic.							
AAT-P16	Float		Grab		2+50N-3+50W	Rusty weathered, massive c.g. greywacke, graphitic, specks of rusty Fe carbonate grains throughout. Rounded float 30 x 10 cm.							
AAT-P17	Rock		Grab		0+50N-2+75E	Green, massive andesite flow, angular rock fragment from the trench 20 x 10 cm No sulphide visible, not magnetic.							
AAT-P18	Float		Grab		0+50N-3+00E	Green, highly sheared, chloritic basaltic rock. No sulphide visible, not magnetic.							
AB-P19	Rock		Grab		6N-0+10E	Grey, m.g. equigranular, massive dioritic intrusive, diss Py 1%, slightly magnetic, Fe oxides along the joints, minor epidote rich veinlets.							

TRAVERSE NUMBER _____ PROJECT Schnapps, A Grid GEOLOGIST(S) R. Pesalj

N.T.S. _____ AREA _____ DATE August 1985

SAMPLE NUMBER	SAMPLE TYPE			SAMPLE LENGTH, WIDTH, AREA	LATITUDE, LONGITUDE and/or U.T.M.	SAMPLE DESCRIPTION	RESULTS (ppm)/%/oz. per ton)						
	RX Rock, Talus	Fe carbonate content	Grab, Chip, Channel			Rock type, lithology, character of soil, stram silt, etc. Formation, Mineralization, etc.	Au ppb	Ag ppm	As ppm	Sb ppm	Pb ppm	Zn ppm	
AA-P38	Rock				2W/4+00N	Green, f.g. chloritic mafic volcanic, andesitic to basaltic in composition.							
AA-P39	Rock				5N/2+50E	Light grey-beige f.g. felsic volcanic, massive, rhyolitic composition, diss Fe carbonate throughout, minor Py grains.							
AA-P40	Rock				4+10N/3+85E	Green, m.g. massive andesitic flow, intruded by granodioritic phase, minor diss Py in grdr. Sample of grdr & Py.							
AA-P41	Rock				0+50S/1+18E	Green, massive f.g. basaltic flow. o/c at 0 + 50S/1 + 18E.							
AA-P42	Rock				2+58N/3+75W	Green, f.g. basaltic float, disseminated and stringer cp. bornite 15-20%. Angular float 35 x 25 cm.							

APPENDIX II

ANALYTICAL DATA

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: P1-ROCKS P2-SOILS AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JULY 10 1985 DATE REPORT MAILED: July 15/85 ASSAYER. T. Saundry DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORPORATION FILE # 85-1323 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
AA-P1	1	15	2	29	.1	34	11	398	1.85	2	5	ND	2	2	1	2	2	30	.22	.02	4	188	1.64	50	.05	2	1.27	.04	.01	1	2
AA-P2	1	53	4	48	.2	36	16	564	3.61	2	5	ND	2	5	1	2	2	93	.47	.01	4	65	2.58	16	.04	6	2.34	.04	.01	1	1
AA-P3	5	1129	5	22	.1	15	45	374	6.85	2	5	ND	3	2	1	2	2	62	.04	.03	6	32	2.17	12	.03	4	1.94	.02	.08	1	5
AA-P4	2	1512	5	65	.5	48	23	822	6.63	2	5	ND	4	36	1	2	2	135	.48	.03	2	207	4.72	300	.04	3	4.62	.15	.01	1	4
AA-P5	1	107	2	28	.1	32	16	541	3.40	2	5	ND	2	14	1	2	2	67	.50	.01	6	55	2.68	27	.03	4	2.34	.02	.01	1	1
AA-P6	2	8021	9	22	.2	39	51	126	12.25	6	5	ND	4	20	1	2	2	46	.45	.11	13	49	.62	10	.02	4	1.06	.05	.02	3	125
AA-P7	1	391	3	12	.1	27	13	120	2.87	2	5	ND	2	10	1	2	2	65	.24	.02	3	25	2.43	25	.04	2	2.19	.06	.06	1	17
AA-P8	1	36	2	13	.2	15	5	262	1.14	2	5	ND	1	21	1	2	2	33	.61	.01	2	45	.71	12	.04	2	.93	.01	.01	1	2
AA-P9	1	71	2	18	.1	80	22	287	4.05	2	5	ND	3	3	1	3	4	68	.13	.02	2	341	4.13	30	.03	2	3.21	.03	.01	1	1
AA-P10	2	250	3	14	.1	27	20	246	5.10	6	5	ND	3	3	1	2	4	118	.10	.02	5	161	3.77	35	.07	2	2.94	.03	.05	1	1
AAT-P11	6	99	2	79	.2	36	6	463	2.66	4	5	ND	6	17	1	3	2	73	.28	.03	8	42	1.08	104	.21	3	1.64	.07	.78	1	2
AAT-P12	1	29	2	26	.4	24	7	359	3.12	7	5	ND	4	167	1	2	2	89	3.56	.01	2	87	1.21	19	.03	3	5.11	.29	.01	1	1
AA-P13	1	17970	6	48	.1	47	37	410	7.77	6	5	ND	2	40	2	2	2	94	.74	.23	5	132	2.38	6	.02	12	3.30	.22	.01	7	64
AAT-P14	1	638	5	21	.1	24	24	196	2.86	2	5	ND	2	5	1	2	2	68	.17	.02	2	40	2.11	10	.03	2	1.75	.06	.01	1	2
AAT-P15	1	399	7	20	.2	36	21	318	5.05	2	5	ND	2	9	1	2	2	120	.31	.02	4	51	3.89	8	.06	2	3.43	.07	.01	1	3
AAT-P16	1	73	7	79	.3	35	10	934	3.87	9	5	ND	4	148	1	2	2	10	3.37	.10	10	8	.30	106	.01	5	.26	.04	.07	1	1
AAT-P17	1	23	2	25	.4	106	26	614	5.14	35	5	ND	3	10	1	2	2	152	1.90	.01	2	357	4.50	17	.02	3	3.43	.02	.01	1	1
AAT-P18	1	97	3	31	.1	52	14	354	2.65	28	5	ND	1	2	1	3	2	60	.20	.01	2	225	2.64	36	.04	2	2.03	.02	.16	1	4
AB-P19	1	48	6	18	.4	3	11	566	5.16	6	5	ND	3	7	1	2	2	138	2.26	.02	2	4	.88	8	.06	3	1.07	.04	.01	1	2
AB-P20	1	5	2	32	.3	26	15	384	4.06	4	5	ND	1	9	1	3	3	121	.42	.01	3	3	1.46	31	.05	2	1.48	.06	.03	1	1
AB-P21	1	41	3	17	.2	33	10	350	2.38	2	5	ND	1	9	1	3	2	66	.41	.02	4	44	1.11	26	.05	3	1.15	.07	.07	1	2
AB-P22	1	35	3	23	.1	40	12	285	2.42	2	5	ND	2	34	1	2	2	63	1.26	.01	3	22	1.43	21	.03	3	2.57	.23	.02	1	6
AB-P23	1	14	4	17	.1	2	7	286	4.51	2	5	ND	2	13	1	2	2	66	.41	.03	5	3	.28	9	.05	4	.60	.06	.01	1	1
AB-P24	1	36	2	12	.2	23	10	201	2.23	6	5	ND	1	18	1	2	2	80	1.36	.01	2	7	.79	16	.04	9	1.93	.20	.04	1	1
AB-P25	1	8	3	12	.2	100	11	211	1.75	2	5	ND	2	27	1	2	2	31	1.51	.01	2	84	1.60	22	.01	4	2.76	.25	.01	1	1
AB-P26	1	14	4	9	.3	27	9	187	2.11	2	5	ND	1	15	1	2	2	70	.82	.01	2	3	.99	17	.03	2	1.46	.09	.03	1	2
AB-P27	1	21	3	11	.2	7	9	315	2.43	2	5	ND	1	11	1	3	2	63	.53	.01	4	1	.87	9	.05	4	1.17	.05	.02	1	6
AB-P28	1	22	4	23	.1	7	11	479	4.71	4	5	ND	2	31	1	2	2	23	1.03	.05	3	1	1.33	19	.13	3	1.67	.04	.02	1	2
AB-P29	1	28	2	16	.4	32	10	342	2.09	4	5	ND	3	26	1	2	2	93	3.90	.01	2	20	1.26	16	.02	4	3.69	.50	.02	1	3
ABT-P30	1	138	2	10	.1	24	6	167	1.77	2	5	ND	1	4	1	2	2	55	.49	.01	3	70	.78	6	.03	3	.70	.08	.02	1	7
ABT-P31	1	102	4	8	.3	31	7	193	1.67	2	5	ND	1	22	1	2	2	54	3.34	.01	2	65	.90	13	.02	6	3.74	.60	.01	1	6
ABT-P32	1	20	4	11	.1	40	9	226	1.66	2	5	ND	1	24	1	2	2	34	1.28	.01	2	35	1.59	16	.01	4	2.62	.24	.02	1	2
ABT-P33	1	31	5	13	.1	50	9	220	1.44	2	5	ND	1	5	1	2	2	41	.58	.01	2	38	1.41	12	.01	2	1.41	.11	.02	1	1
ABT-P34	1	791	2	14	.8	26	9	198	1.82	2	5	ND	2	27	1	2	2	37	3.53	.01	2	31	.92	10	.01	4	3.59	.58	.01	1	14
ABT-P35	1	10	2	7	.3	31	7	209	1.11	2	5	ND	2	38	1	2	2	35	2.55	.01	2	8	1.00	15	.01	4	3.13	.50	.02	1	2
AB-36	1	20	4	9	.2	21	16	148	3.88	4	5	ND	1	12	1	2	2	103	.51	.01	2	13	.82	19	.02	2	1.51	.16	.01	1	2
ABT-37	3	9352	7	58	18.9	50	27	339	11.45	19	5	ND	4	10	1	2	2	93	1.17	.12	2	46	1.72	10	.01	5	3.17	.23	.01	5	375
STD C/FA-AU	20	60	39	133	7.0	67	27	1131	3.97	37	17	7	37	46	17	16	21	57	.46	.14	39	57	.84	183	.08	38	1.72	.06	.11	12	48

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
1116	1	91	24	105	.4	10	18	3240	6.97	20	31	ND	1	143	1	2	2	58	6.96	.18	5	7	2.44	23	.01	6	1.23	.01	.28	1	16
1117	2	121	.22	136	.4	12	23	3722	7.42	24	15	ND	1	131	1	2	2	103	5.89	.19	6	15	2.67	34	.10	4	2.37	.01	.53	1	37
1118	1	171	18	125	.6	12	27	3610	6.85	24	37	ND	1	161	1	2	2	99	6.10	.19	2	12	2.23	34	.05	4	1.89	.01	.46	1	48
1119	2	35	22	149	.9	15	29	3017	8.64	28	5	ND	1	68	1	2	2	120	1.44	.20	2	23	3.04	27	.19	5	2.55	.02	.31	1	90
1120	5	2187	8	63	.1	169	29	600	5.61	3	5	ND	1	3	1	3	2	88	.65	.01	2	378	5.85	4	.02	4	4.02	.01	.01	1	22
1121	10	589	4	26	.1	37	14	263	2.30	4	5	ND	1	3	1	3	2	54	.35	.02	2	35	2.27	9	.03	7	1.61	.02	.05	1	8
1122	4	1823	11	48	.1	102	31	549	6.11	2	5	ND	1	1	1	2	3	130	.17	.01	2	307	6.29	6	.03	2	4.37	.01	.05	1	16
1123	16	396	6	12	.1	47	13	228	2.60	3	5	ND	1	6	1	2	2	59	.37	.04	2	41	2.42	3	.03	2	1.74	.03	.03	1	2
1124	1	4321	5	11	.1	27	15	228	4.31	3	5	ND	1	20	1	2	2	110	.62	.03	2	62	2.00	4	.03	3	2.02	.07	.04	1	42
1125	1	367	4	23	.1	55	28	495	6.54	2	5	ND	1	15	1	2	2	130	.30	.03	2	179	6.13	2	.06	2	4.70	.02	.01	1	3
1126	1	3638	6	16	.1	31	21	233	4.94	3	5	ND	1	28	1	2	2	118	.56	.02	2	68	2.20	3	.03	3	2.14	.08	.02	1	31
1127	1	730	6	18	.2	37	22	302	5.14	2	15	ND	1	19	1	2	6	104	.32	.02	2	82	4.00	3	.04	2	3.09	.04	.03	1	6
1128	1	1877	9	17	.1	36	20	239	4.55	3	5	ND	1	24	1	2	2	112	.78	.02	2	98	2.23	4	.04	3	2.06	.06	.03	1	1
1129	1	934	8	22	.1	48	26	375	5.39	3	5	ND	1	21	1	2	2	120	.41	.02	2	108	4.12	12	.05	3	3.27	.04	.06	1	2
1130	2	5368	10	19	.1	35	35	217	8.99	6	5	ND	1	18	1	2	3	159	.47	.02	2	53	2.00	3	.02	5	2.14	.08	.02	1	21
1131	1	81	10	29	.1	56	26	499	6.07	3	5	ND	1	5	1	3	3	130	.16	.02	2	214	5.68	2	.05	2	4.26	.02	.01	1	1
1132	1	1852	13	28	.1	226	31	533	5.51	4	12	ND	1	3	1	2	6	115	.12	.02	2	335	6.44	2	.03	2	4.44	.01	.01	1	3
1133	1	145	7	41	.1	283	24	596	3.89	2	5	ND	1	2	1	2	4	70	.45	.04	2	503	5.88	1	.02	2	3.74	.01	.01	1	1
1134	1	404	16	24	.1	67	26	454	6.07	2	5	ND	1	2	1	2	2	148	.19	.04	2	137	4.68	28	.06	2	3.31	.03	.25	1	2
1135	2	1519	11	20	.1	52	23	406	5.65	2	5	ND	1	4	1	2	3	158	.36	.02	2	124	4.90	9	.04	2	3.66	.02	.07	1	7
1136	1	637	11	24	.1	58	27	472	5.90	4	5	ND	1	22	1	2	2	167	.48	.02	2	142	5.37	27	.06	2	3.94	.02	.24	1	4
1137	4	719	10	21	.1	49	32	397	6.57	7	5	ND	1	14	1	3	4	158	.57	.01	2	131	3.99	3	.03	3	3.46	.08	.01	1	4
1138	6	803	9	24	.1	63	29	542	7.29	2	5	ND	1	7	1	2	2	167	.23	.01	2	152	5.38	14	.05	2	4.16	.03	.11	1	6
1139	7	698	6	19	.1	57	29	489	6.00	2	5	ND	1	8	1	3	2	151	.35	.01	2	101	4.47	11	.04	2	3.51	.02	.10	1	2
1140	1	1031	11	41	.1	90	24	735	6.48	3	5	ND	1	19	1	4	2	133	.90	.01	3	243	5.15	2	.02	3	4.33	.06	.01	1	5
1141	4	3830	6	29	.2	69	26	515	5.69	2	5	ND	1	29	1	2	2	116	.94	.01	2	168	4.18	3	.02	3	3.92	.11	.02	1	19
1142	1	2399	8	30	.1	91	28	625	6.91	2	5	ND	1	38	1	2	2	143	.82	.01	2	232	4.99	3	.02	3	4.65	.12	.01	1	10
1143	13	2407	11	23	.1	56	32	470	6.79	2	5	ND	1	38	1	2	2	136	.87	.01	3	131	4.67	3	.03	4	4.69	.15	.01	1	8
STD C/FA-AU	20	60	40	136	7.2	69	26	1171	3.98	38	15	8	36	51	17	15	21	60	.48	.13	37	58	.88	173	.08	40	1.72	.06	.10	11	51

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: CORE AU** ANALYSIS BY FA+AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 30 1985 DATE REPORT MAILED: Oct 2/85 ASSAYER. D. Toye /DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT - 4114 FILE # 85-2590

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
1144	6	2280	10	32	.1	36	35	563	7.17	3	5	ND	1	8	1	2	2	112	1.31	.04	5	12	3.64	3	.03	2	3.01	.03	.02	1	17
1145	6	251	5	30	.1	43	27	494	4.25	2	5	ND	1	15	1	2	2	104	1.11	.02	3	105	3.57	3	.05	2	2.81	.03	.01	1	10
1146	42	3141	5	24	.1	24	23	274	3.66	2	5	ND	1	54	1	2	2	54	4.06	.04	3	33	1.67	8	.03	2	1.56	.04	.04	1	26
1147	12	387	4	26	.1	75	35	573	5.04	4	5	ND	1	13	1	2	2	132	.76	.02	4	87	4.39	5	.06	2	3.38	.02	.04	1	6
1148	2	1302	3	16	.1	40	22	357	3.96	2	5	ND	1	69	1	2	2	90	.54	.02	3	48	2.72	3	.02	2	2.43	.05	.01	1	19
1149	17	303	6	38	.1	48	48	468	6.31	6	5	ND	1	8	1	2	2	115	.47	.02	3	62	3.66	1	.03	2	2.82	.03	.01	1	31
1150	14	440	5	38	.1	49	46	517	5.68	3	5	ND	1	10	1	2	2	109	.28	.02	4	87	3.74	3	.04	2	2.75	.03	.03	1	14
1151	11	276	7	33	.1	63	36	528	4.94	2	5	ND	1	22	1	2	2	114	.27	.02	4	113	3.71	11	.06	2	2.69	.04	.07	1	9
1152	5	888	4	39	.1	55	26	556	5.01	2	5	ND	1	4	1	2	2	106	.30	.02	4	152	3.95	3	.06	2	2.84	.03	.03	1	14
1153	6	317	2	39	.1	77	35	588	5.00	5	5	ND	1	14	1	2	2	108	.30	.01	3	213	4.48	5	.04	2	3.20	.02	.03	1	8
1154	21	72	10	46	.1	238	28	905	4.52	4	5	ND	1	4	1	3	2	74	.93	.01	6	353	5.68	1	.03	2	3.89	.01	.01	1	2
1155	7	300	8	33	.1	99	42	644	5.19	2	5	ND	1	4	1	2	2	113	.58	.01	4	244	4.68	1	.03	2	3.44	.02	.01	1	6
1156	28	284	14	33	.1	137	41	697	5.79	7	5	ND	1	3	1	2	2	110	.35	.01	4	258	5.00	1	.02	2	3.65	.01	.01	1	3
1157	8	3112	4	33	.2	270	48	696	7.93	3	5	ND	1	1	1	2	2	65	.12	.04	4	352	5.39	1	.02	2	3.81	.01	.01	1	20
1158	4	6495	10	48	.3	277	37	780	6.04	5	5	ND	1	1	1	2	2	57	.23	.07	5	496	5.54	1	.02	2	3.90	.01	.01	1	41
1159	5	19519	14	97	1.1	218	93	746	10.70	3	5	ND	1	6	3	2	2	91	.20	.19	7	431	4.76	1	.02	2	3.61	.02	.01	1	245
1160	6	415	2	25	.1	62	35	583	4.28	4	5	ND	1	8	1	2	2	88	.31	.01	2	140	3.88	1	.03	2	2.96	.03	.01	1	3
1161	3	125	2	42	.1	36	27	703	4.91	4	5	ND	1	9	1	2	2	139	.16	.02	3	36	3.68	16	.04	2	2.56	.03	.08	1	4
1162	2	30	7	31	.1	166	20	935	4.22	61	5	ND	2	45	1	4	2	78	8.07	.01	3	152	3.90	8	.01	2	.86	.03	.02	2	1
1163	1	90	11	27	.4	199	41	792	7.74	3	5	ND	1	16	1	2	2	257	1.81	.01	6	160	1.97	11	.02	2	3.12	.18	.06	1	4
1164	1	42	4	14	.2	95	32	309	4.39	3	5	ND	1	12	1	2	2	40	.57	.01	2	73	1.15	10	.01	2	1.41	.03	.07	1	13
1165	2	26	2	26	.5	141	21	993	3.42	101	5	ND	3	40	1	12	2	69	10.17	.01	2	134	4.29	3	.01	2	.60	.02	.01	6	3
STD C/FA-AU	20	61	40	132	7.1	69	30	1195	3.95	38	19	8	37	53	17	15	23	57	.48	.14	40	57	.88	180	.08	40	1.72	.06	.11	11	50

APPENDIX III

BOREHOLE LOGS

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 1 OF 3
HOLE NO. : DDH 1	LOC. : 62 S	TRUE BRG : 60°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 23, 1985	LONG. : 125 E	SURVEY AT :	DATE : Sept. 24, 1985
COMPLETED: Sept. 24, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 63.09m	UNUSUAL FEAT.:

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu
0	1.85		Overburden, casing	1120	2.04	3.56	1.52	22	0.1	2187
				1121	3.56	3.98	0.42	8	0.1	589
1.85	3.56		Basalt, green, chloritized f.g. ground	1122	3.98	5.50	1.52	16	0.1	1823
			mass, dark green modules 2-5mm across	1123	17.85	18.41	0.56	2	0.1	396
			probably chloritized mafic mineral,	1124	21.12	21.65	0.53	42	0.1	4321
			trace of disseminated pyrite and	1125	21.65	22.70	1.05	3	0.1	367
			chalcopyrite, rare white quartz	1126	22.70	24.00	1.30	31	0.1	3638
			veinlets, not magnetic.	1127	24.00	25.37	1.37	6	0.2	730
				1128	32.15	32.50	0.35	1	0.1	1877
3.56	3.98		Quartz vein, white, coarse grained,	1129	32.50	34.45	1.95	2	0.1	934
			disseminated pyrite trace, contacts	1130	34.45	34.82	0.37	21	0.1	5368
			with wall rock irregular.	1311	34.82	36.34	1.52	1	0.1	81
				1132	40.39	42.52	2.13	3	0.1	1852
3.98	12.30		Basalt, as above to 3.56m	1133	46.31	47.09	0.78	1	0.1	145
				1134	47.09	48.45	1.36	2	0.1	404
12.30	18.81		Shear zone, fragments of basalt, local	1135	48.45	50.29	1.84	7	0.1	1519
			sections with quartz cementing the	1136	50.29	50.90	0.61	4	0.1	637
			fragments. From 17.85-18.41m white	1137	54.25	54.95	0.70	4	0.1	719
			coarse grained quartz filling the	1138	54.95	56.75	1.80	6	0.1	803
			space between the fragments. Core	1139	56.75	57.45	0.70	2	0.1	698
			recovery in this section 50%.	1140	57.45	59.40	1.95	5	0.1	1031
				1141	59.40	60.50	1.10	19	0.2	3830
				1142	60.50	61.57	1.07	10	0.1	2399
				1143	61.57	63.09	1.52	8	0.1	2407

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 2 OF 3		
HOLE NO. : DDH 1	LOC. : 62 S	TRUE BRG : 60°	LOGGED BY : R. Pesalj		
COMMENCED: Sept. 23, 1985	LONG. : 125 E	SURVEY AT :	DATE : Sept. 24, 1985		
COMPLETED: Sept. 24, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika		
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 63.09m	UNUSUAL FEAT.:		

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu
18.81	34.45		Basalt, green, chlorotized, cut by white quartz veinlets, specks and disseminations of chalcopyrite and pyrite in veinlets and wall rock throughout. Sulphide content avg 3%, locally to 5% epidote scattered throughout. Veinlets range in width from 1-10mm.							
34.45	34.82		Quartz vein in chloritized and epi-dotized basalt, disseminations of Pyrrhotite, pyrite and chalcopyrite 10%, contacts with wall rock not clear.							
34.82	50.29		Basalt, green, chloritized, local sections with quartz veinlets and disseminated pyrite and chalco-pryite. From 40.39 to 52.52m sulphide content 3%.							
50.29	50.90		Basalt brecciated, silicified section, disseminated pyrite 5-8%, chalco-pyrite trace.							

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :		CORRECT DIP: ~45°	PAGE 3 OF 3	
HOLE NO. : DDH 1	LOC. : 62 S		TRUE BRG : 60°	LOGGED BY : R. Pesalj	
COMMENCED: Sept. 23, 1985	LONG. : 125 E		SURVEY AT :	DATE : Sept. 24, 1985	
COMPLETED: Sept. 24, 1985	ELEV. :		% RECOVERY :	CORE STORED : Cabin on Kwanika	
OBJECTIVE:	CORE SIZE: BQ		LENGTH : 63.09m	UNUSUAL FEAT.:	

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
50.90	63.09		Basalt, green, chlorotized, numerous silicified sections with disseminated pyrite and chalcopyrite sulphide content ranges from 1-7%, all sulphide mineralization associated with quartz veinlets. From 62.59-63.09m broken core, shear-zone.										
			Acid Tests:										
			30.48m ~53°00' Corr. ~45°00'										
			60.96m ~53°00' ~45°00'										

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 1 OF 3
HOLE NO. : DDH 2	LOC. : 3+45N	TRUE BRG : 90°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 24, 1985	LONG. : 3 50W	SURVEY AT :	DATE : Sept. 25, 1985
COMPLETED: Sept. 25, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 76.81m	UNUSUAL FEAT.:

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu
0	6.71		Overburden, boulders of mafic volca-	1144	12.19	12.80	0.61	17	0.1	2280
			nics, casing.	1145	12.80	14.47	1.67	10	0.1	251
				1146	14.47	14.69	0.22	26	0.1	3141
6.71	12.19		Andesite, grey, fine grained, massive	1147	14.69	15.60	0.91	6	0.1	387
			flow, from 6.71 to 11.27m iron oxides	1148	19.00	19.22	0.22	19	0.1	1302
			along the joints, occasionally cut	1149	32.77	34.11	1.34	31	0.1	303
			by thin quartz veinlets of various	1150	34.11	35.63	1.52	14	0.1	440
			angles to core axis. Epidote	1151	35.63	37.11	1.48	9	0.2	276
			alteration along the contacts with	1152	37.11	38.63	1.52	14	0.1	888
			quartz veinlets throughout the section	1153	38.63	39.75	1.12	8	0.1	317
				1154	39.75	40.21	0.46	2	0.1	72
12.19	12.80		Andesite as above to 12.19m veinlet	1155	40.21	41.69	1.48	6	0.1	300
			of f.g. Py 3mm along the core.	1156	41.69	42.70	1.01	3	0.1	284
				1157	42.70	44.07	1.37	20	0.2	3112
12.80	14.47		Andesite as above to 12.19m	1158	44.07	44.95	0.88	41	0.3	6495
				1159	44.95	45.25	0.30	245	1.1	19519
14.47	14.69		Quartz vein, white, epidote and	1160	45.25	46.63	1.38	3	0.1	415
			disseminated pyrite throughout, vuggy	1161	67.67	68.54	0.87	4	0.1	125
			pyrite content 3%.							
14.69	19.00		Greywacke, grey, fine grained, massive							
			minor quartz veinlets with epidote							
			alteration along the contacts with							
			host rock.							

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 2 OF 3		
HOLE NO. : DDH 2	LOC. : 3+45N	TRUE BRG : 90°	LOGGED BY : R. Pesalj		
COMMENCED: Sept. 24, 1985	LONG. : 3 50W	SURVEY AT :	DATE : Sept. 25, 1985		
COMPLETED: Sept. 25, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika		
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 76.81m	UNUSUAL FEAT.:		

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
19.00	19.72		Quartz-epidote vein, light green and white, disseminated fine grained pyrite 2-3%										
19.22	19.66		Andesite as above to 12.19m										
19.66	32.77		Basalt, green, fine grained, vesicular, vesicles quartz filled numerous quartz-epidote veinlets throughout the section, vugs to 10mm across with quartz and pyrite crystals, the rock is slightly magnetic.										
32.77	44.95		Basalt, green, fine grained, massive flow, disseminated fine grained pyrite 5-8% avg., chalcopyrite less than 1%. From 39.70-40.21m shear zone, quartz saturated. From 44.07-44.95m sulphide content 10%.										
44.95	45.25		Basalt, grey-green, chloritic cut by stringers of pyrite, chalcopyrite soft sheared, sulphide content 15%.										

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 3 OF 3
HOLE NO. : DDH 2	LOC. : 3+45N	TRUE BRG : 90°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 24, 1985	LONG. : 3 50W	SURVEY AT :	DATE : Sept. 25, 1985
COMPLETED: Sept. 25, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 76.81m	UNUSUAL FEAT.:

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
45.25	67.67		Basalt, green, chloritic, vesicular flow, vesicles quartz filled, from 47.85 to 48.00m fault gouge, fragments of basalt mixed with soft unconsol-idated clay material. Narrow fault zones throughout the section, local vesicle rich sections up to 5cm wide.										
67.67	68.54		Basalt, green, chloritic, vesicular, quartz filled vesicles, disseminated fine grained pyrite 7%.										
68.54	76.81		Basalt, vesicular, numerous shear zones and narrow fault sections. From 71.63-73m strong shearing, badly broken core, narrow sections with fault gouge.										
			Acid Tests:										
			30.48m ~52°00' Corr. ~43 45'										
			76.20m ~52°00' ~43 45'										

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 1 OF 3
HOLE NO. : DDH 3	LOC. : 1+50E	TRUE BRG : 90°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 25, 1985	LONG. : 0+50S	SURVEY AT :	DATE : Sept. 26, 1985
COMPLETED: Sept. 26, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 56.99m	UNUSUAL FEAT.:

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu
0	1.83		Overburden, boulders of mafic volca-	1162	22.20	22.70	0.50	1	0.1	30
			nics, casing.	1163	42.06	42.36	0.30	4	0.4	90
				1164	47.55	48.25	0.70	13	0.2	42
6.71	12.19		Basalt, grye-green fine grained,							
			massive flow, occasional thin quartz-							
			pyrite veinlets along with hematite							
			staining. At 9.44-9.52m zone of							
			white and green fault gouge with							
			reddish hematite stain and green							
			maripausite. At 13.72m shear zone,							
			broken core over 0.60m length.							
9.75	22.20		Andesite, grey, fine grained, massive							
			minor sheared sections, broken core.							
22.20	22.70		Breccia, fragments of cherty tuff							
			cemented by finer grained rock flour							
			with maripausite and serpentine,							
			some fragments of quartz vein material							
22.70	23.77		Andesite as above to 22.20m.							
23.77	24.91		Lost core.							

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: ~45°	PAGE 2 OF 3
HOLE NO. : DDH 3	LOC. : 1+50E	TRUE BRG : 90°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 25, 1985	LONG. : 0+50S	SURVEY AT :	DATE : Sept. 26, 1985
COMPLETED: Sept. 26, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 56.99m	UNUSUAL FEAT.:

From (m)	To (m)	Symbol	Description	Sample No.	From (m)	To (m)	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
24.91	34.13		Andesite, light grey, massive, fine grained, minor fracturing with serpentine filling, rare quartz veinlets 1~2mm across.										
34.13	39.62		Diorite, grey, massive, coarse grained consists of mafic chloritized mineral, plagioclase and minor K~spar and quartz, few grains of pyrite, quartz veinlets.										
39.62	42.36		Greywacke, greyish~green, fine grained massive, occassional thin 2~5mm pyrite beds at 40° to core axis. From 42.06 to 42.36m bedded and disseminated pyrite 3~5%, green maripausite along the bedding planes.										
42.36	45.13		Cherty sediment, light grey, very fine grained, greenish mauripausite(?) throughout, sections of pure chert with bedding at 20° to core axis.										

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 3 OF 3
HOLE NO. : DDH 3	LOC. : 1+50E	TRUE BRG : 90°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 25, 1985	LONG. : 0+50S	SURVEY AT :	DATE : Sept. 26, 1985
COMPLETED: Sept. 26, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 56.99m	UNUSUAL FEAT.:

From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
45.13	47.55		Greywacke, grey-green, very fine grained, massive, quartz veinlets with serpentine along the contacts.										
47.55	49.07		Chert as above to 45.13m.										
49.07	52.88		Greywacke as above to 47.55m.										
52.88	53.64		Diorite, grey, coarse grained, massive equgranular, minor disseminated pryite.										
53.64	55.07		Quartzite, cherty, grey-green fine grained, not bedded.										
55.07	56.99		Andesite, green-grey, massive, fine grained, occassionally cut by thin 1-2mm quartz-pyrite veinlets.										
			Acid Tests:										
			30.48m ~52°00' Corr. ~43°45'										

DRILL RECORD — **IMPERIAL METALS CORPORATION**

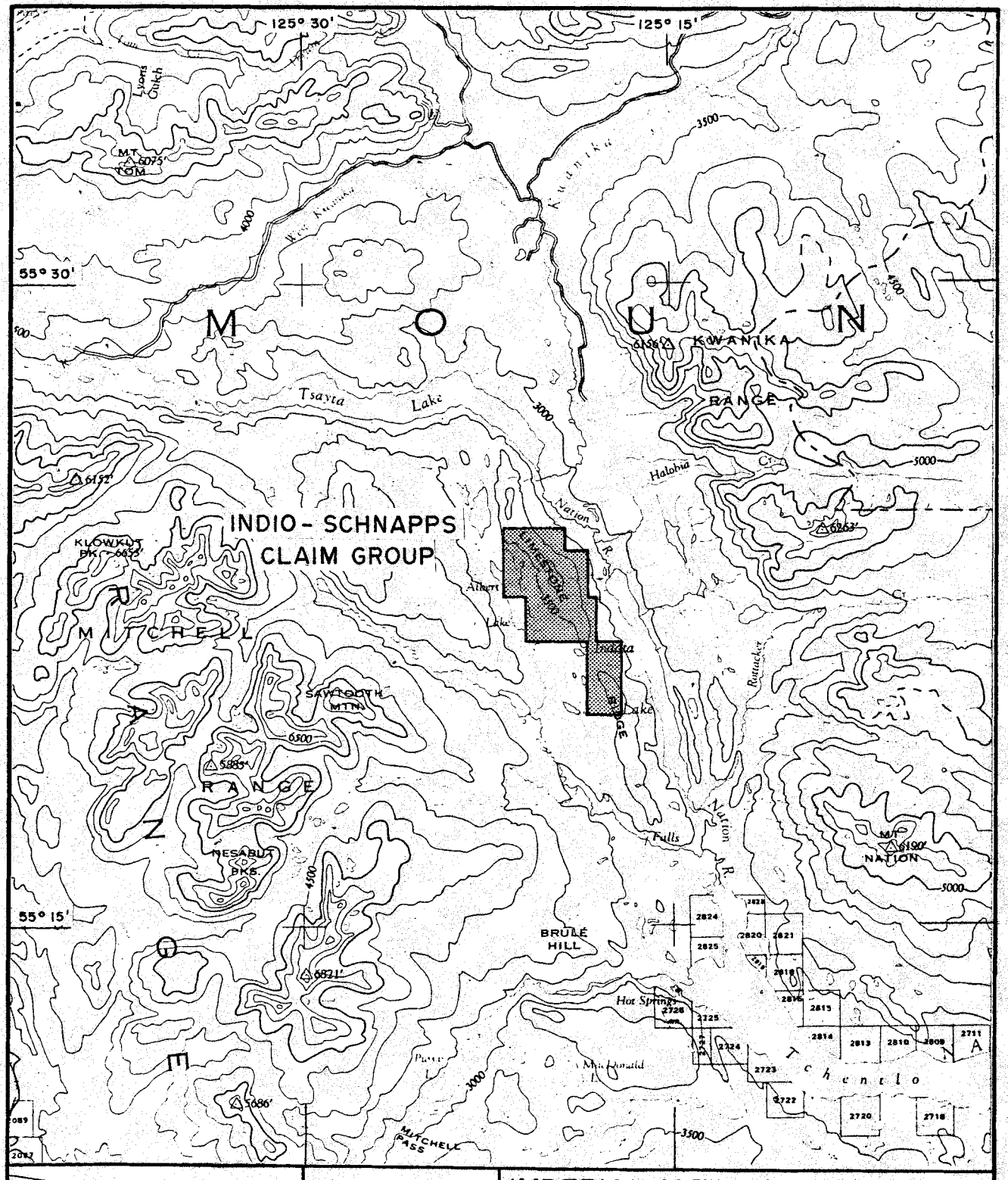
PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 1 OF 2		
HOLE NO. : DDH 4	LOC. : 0+47S	TRUE BRG : 90°	LOGGED BY : R. Pesalj		
COMMENCED: Sept. 26, 1985	LONG. : 3+43E	SURVEY AT :	DATE : Sept. 27, 1985		
COMPLETED: Sept. 27, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika		
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 33.83m	UNUSUAL FEAT.:		

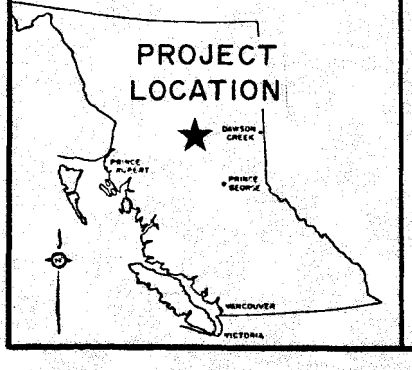
From m	To m	Symbol	Description	Sample No.	From m	To m	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
0	3.66		Overburden, boulders of dolomite casing.	1165	30.63	31.09	0.46	3	0.5	26			
3.66	7.98		Dolomite, light grey and beige, massive green serpentine grains throughout, cut by quartz-calcite veinlets 1-2mm wide. From 6.71-9.75 core recovery 70%.										
7.98	17.07		Chert, light grey and beige, very fine grained, hard, green sperpentine grains 1-5mm across throughout the unit. Minor quartz veins 2-40mm wide.										
17.07	22.55		Quartz diorite, green-grey coarse grained, massive, occassional quartz veins, mafic minerals, chloritized, not magnetic.										
22.55	23.31		Chert as above to 17.07m.										
23.31	30.63		Quartz diorite, as above to 22.55m.										

DRILL RECORD — **IMPERIAL METALS CORPORATION**

PROPERTY : Schnapps	LOCATION :	CORRECT DIP: -45°	PAGE 2 OF 2
HOLE NO. : DDH 4	LOC. : 0+47S	TRUE BRG : 90°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 26, 1985	LONG. : 3+43E	SURVEY AT :	DATE : Sept. 27, 1985
COMPLETED: Sept. 27, 1985	ELEV. :	% RECOVERY :	CORE STORED : Cabin on Kwanika
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 33.83m	UNUSUAL FEAT.:

From (m)	To (m)	Symbol	Description	Sample No.	From (m)	To (m)	Length (m)	Analysis (Auppb; Agppm; Cuppm) Au	Ag	Cu			
30.63	31.09		Quartz vein, white and grey, green maripausite grains throughout, contacts with wall rock at 60° to core axis.	1165	30.63	31.09	0.46	3	0.5	26			
31.09	33.83		Andesite, greenish grey, fine grained, massive, locally cut by white quartz veins, occassional porphyritic sections, joints serpentine coated.										





IMPERIAL METALS CORPORATION

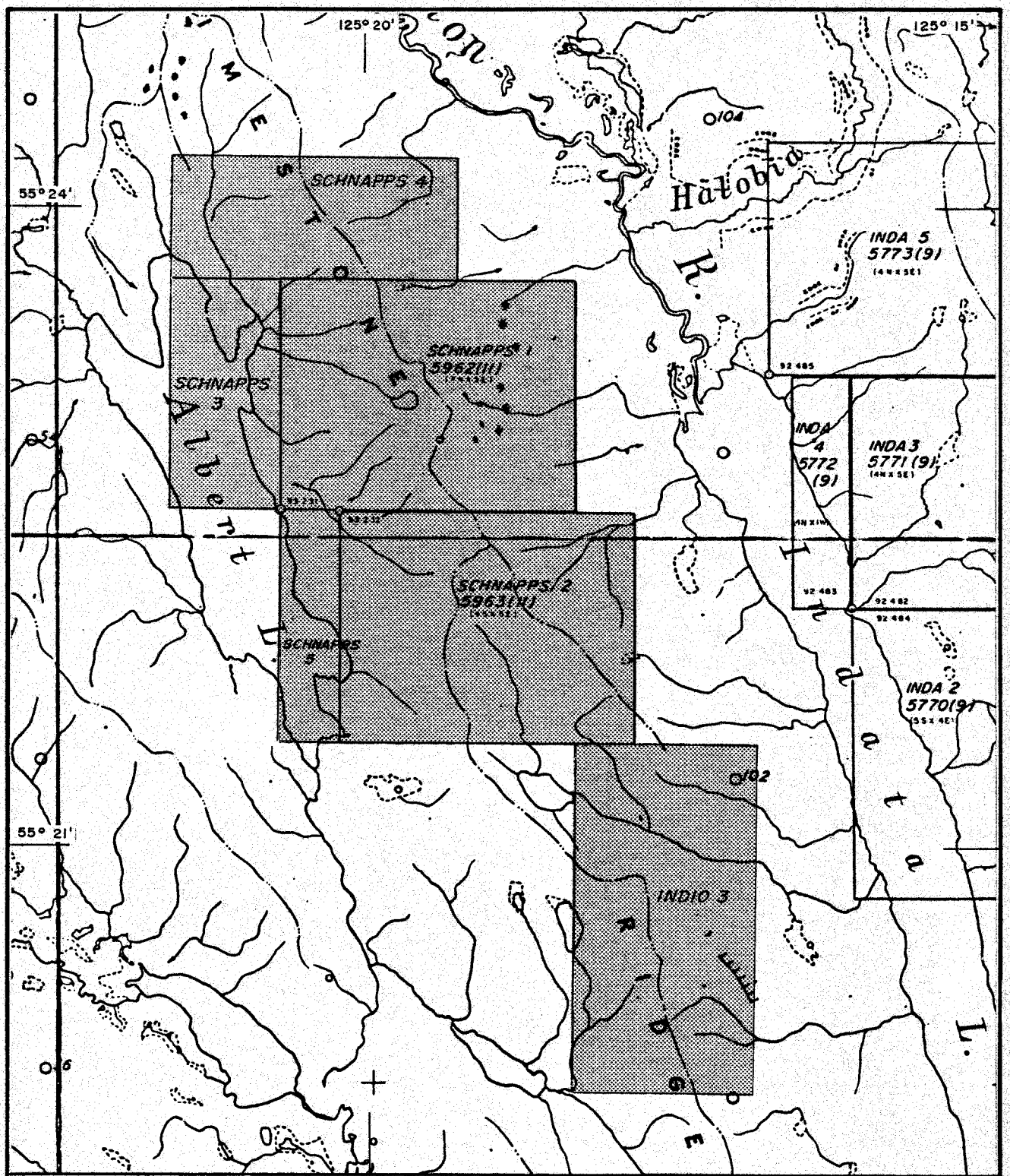
INDIO - SCHNAPPS

FIGURE 1 N.T.S. 93N

LOCATION MAP

Km 5 0 5 10 Km

SCALE: 1:250000	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH



IMPERIAL METALS CORPORATION

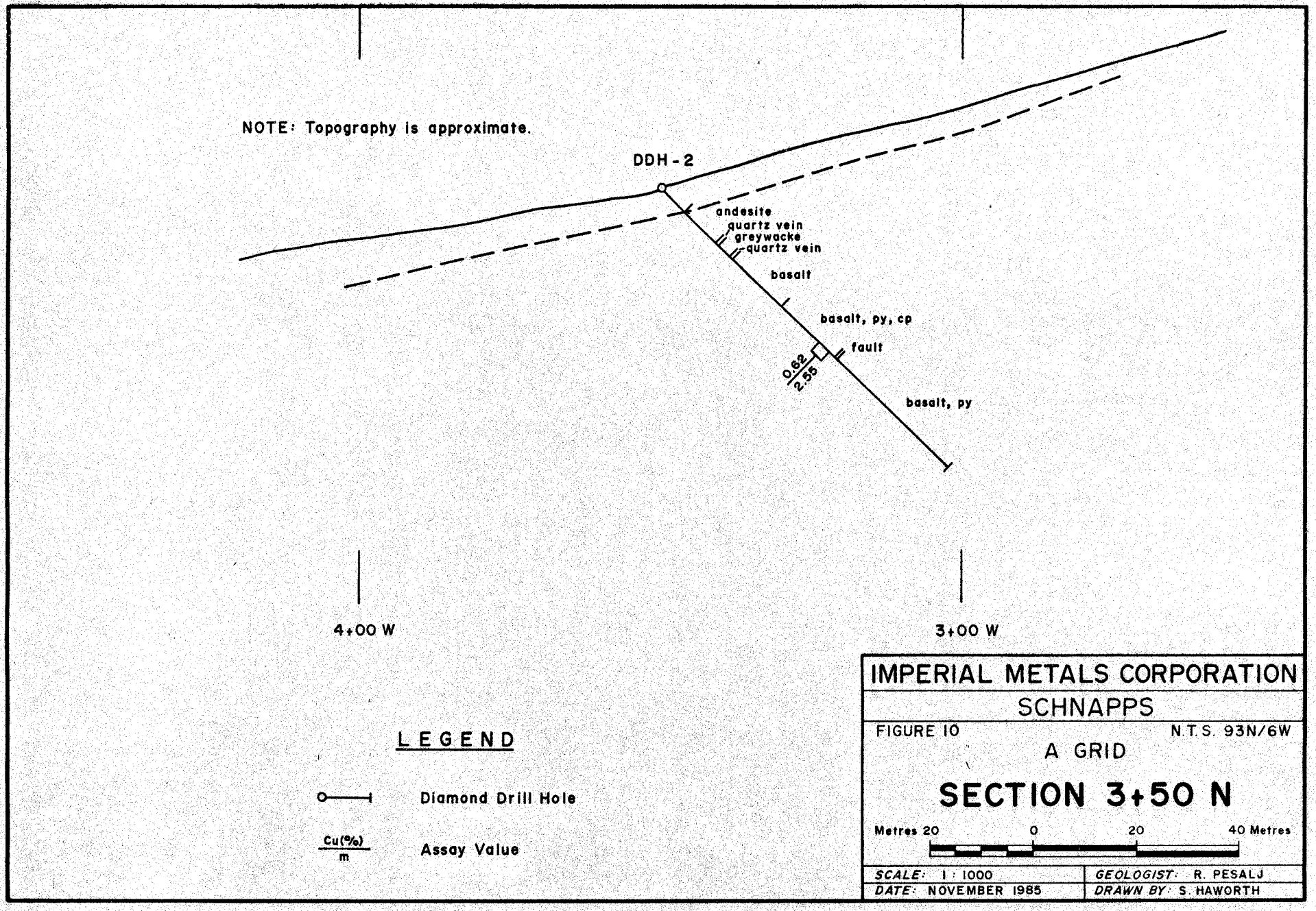
INDIO - SCHNAPPS

FIGURE 2 N.T.S. 93N/6W

CLAIM MAP

Km 1 0 1 2 Km

SCALE: 1 : 50,000	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH



LEGEND

Diamond Drill Hole

Cu(%) / m — Assay Value

IMPERIAL METALS CORPORATION

SCHNAPPS

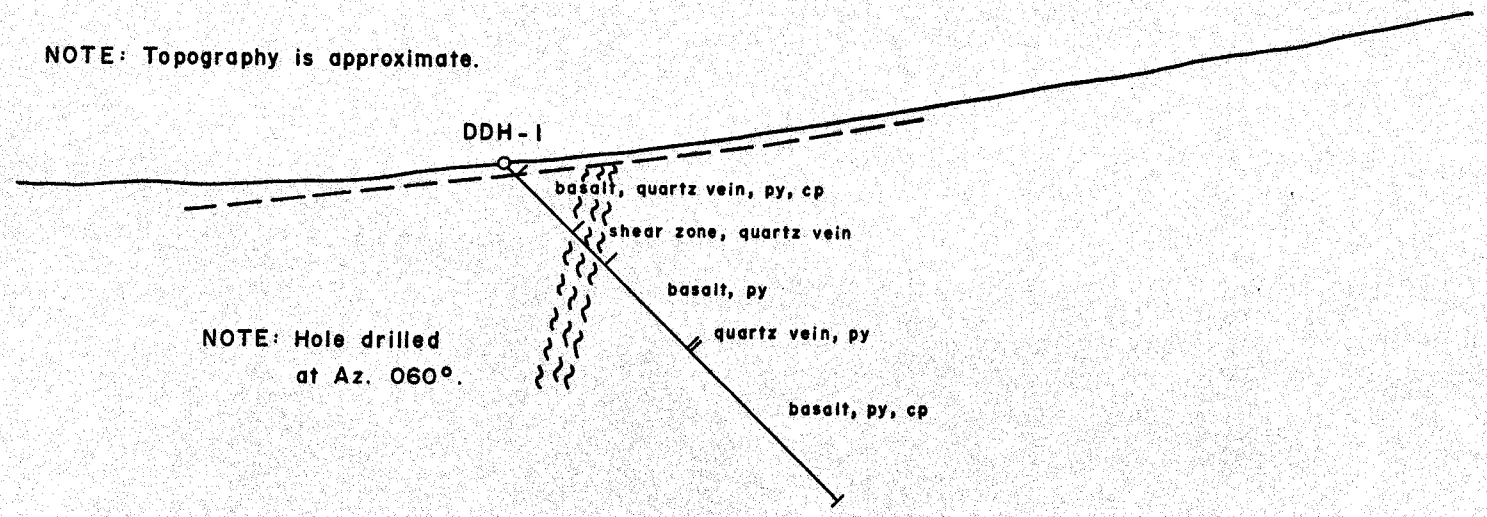
FIGURE 10 N.T.S. 93N/6W

A GRID

SECTION 3+50 N

Metres 20 0 20 40 Metres

SCALE: 1 : 1000	*GEOLOGIST:* R. PESALJ
DATE: NOVEMBER 1985	*DRAWN BY:* S. HAWORTH



4+00 W

3+00 W

LEGEND

Diamond Drill Hole

Fault

IMPERIAL METALS CORPORATION

SCHNAPPS

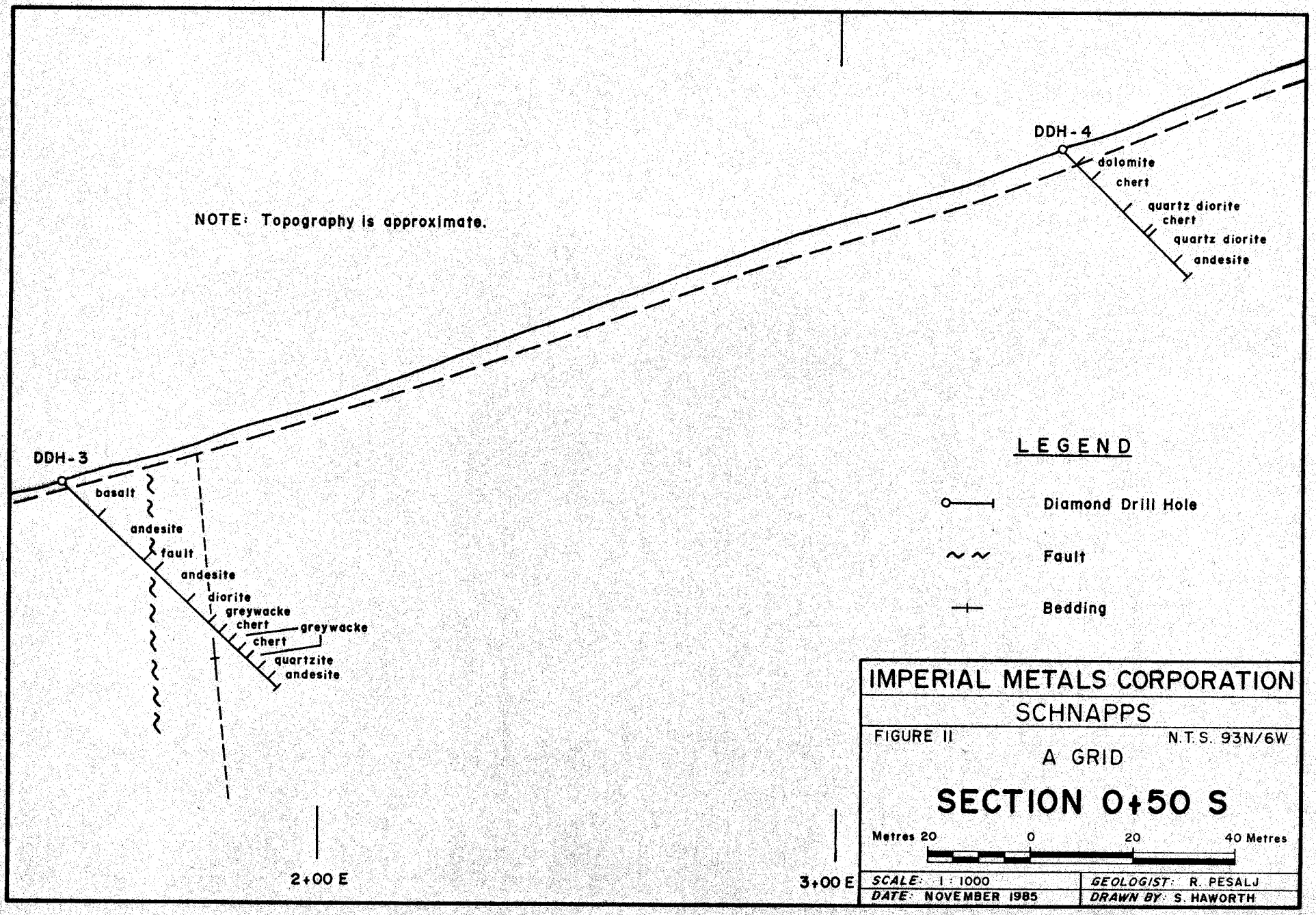
FIGURE 9 N.T.S. 93N/6W

A GRID

SECTION 3+50 N

Metres 20 0 20 40 Metres

SCALE: 1 : 1000	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH


NOTE: Topography is approximate.
DDH-4
dolomite
chert
quartz diorite
chert
quartz diorite
andesite
DDH-3
basalt
andesite
fault
andesite
diorite
greywacke
chert
greywacke
chert
quartzite
andesite
2+00 E
3+00 E
LEGEND
Diamond Drill Hole
Fault
Bedding
IMPERIAL METALS CORPORATION
SCHNAPPS
FIGURE II
N.T.S. 93N/6W
A GRID
SECTION 0+50 S
Metres 20
0
20
40 Metres
SCALE: 1 : 1000
GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1985
DRAWN BY: S. HAWORTH

0+00 | 1+00 E | 2+00 E | 3+00 E | 4+00 E | 5+00 E | 6+00 E

SCHNAPPS No. 1 Identification Post 1E

5+00 N
4+00 N
3+00 N
2+00 N
1+00 N
0+00
1+00 S
1+50 S

2+00 N: 220 260 250 490 350 800 500 530 630 410

280 470 610 820 730 760 220 750 360 390 330 580

1+00 N: 220 240 180 260 270 320 440 440 530 550 450 300 260 310

610 480 730 640 810 550 DDH-3 440 500 480 470 280 280 430 500 DDH-4 730 180 230 240 170

1+50 S: 370 260 290 300 320 310 350 350 300 270 280 420 290 430 330 280 270 250 280 250 250 610 460

0+00 | 1+00 E | 2+00 E | 3+00 E | 4+00 E | 5+00 E | 6+00 E

N

LEGEND

- Diamond Drill Hole
- Claim Post
- Lake
- Creek
- 310 — Resistivity Reading (Ohm - meters)

NOTES:

1. Scintrex IPR-11 Receiver
2. Scintrex IPC-7 Transmitter
3. Array: Pole - Dipole
4. Dipole Length: 25 m
5. 8th Slice
6. Current Electrode West

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,074

IMPERIAL METALS CORPORATION

SCHNAPPS

FIGURE 7 N.T.S. 93N/6W

A GRID - EAST HALF

IPR-11 SURVEY - RESISTIVITY

Metres 20 0 20 40 60 80 Metres

SCALE: 1:1000 | GEOPHYSICIST: A. SCOTT

DATE: NOVEMBER 1985 | DRAWN BY: S. HAWORTH

6+00 W | 5+00 W | 4+00 W | 3+00 W | 2+00 W | 1+00 W | 0+00

SCHNAPPS No.1
Legal Corner Post

5+00 N: 150 330 480 780 108 930 610 510 410 880 510 940 840 710 470 670 830 200 370 260

4+00 N: 190 400 330 350 590 420 280 590 630 810 790 530 105 560 108 590 400 250 260

3+00 N: 230 220 210 320 470 260 330 430 610 730 530 670 810 880 740 840 560 510 370 380 360 250 210

2+00 N: 220 310 290 270 250 230 280 590 570 620 480 530 550 570 610 320 470 250 250 170 160

1+00 N: 220 310 320 240 240 190 210 500 420 560 490 540 410 520 400 450 380 390 300 240 200 160

0+00: 190 300 220 190 170 180 220 330 350 490 310 540 240 550 380 330 300 320 250 220 230 170

1+00 S: 230 200 190 130 140 140 140 180 190 190 270 310 230 220 190 300 370 260 300 200 250 220

1+50 S: 170 240 190 220 540 330 450 360 280 270 310 280

DDH - 1 (280 @ 310)

DDH - 2 (500 @ 290)

ALBERT

LAKE

220 280 310 460 310 340 310 300 260 300 220

330 460 400 730 610

N

LEGEND

- Diamond Drill Hole
- Claim Post
- Lake
- Creek
- 310 — Resistivity Reading (Ohm - meters)

NOTES:

1. Scintrex IPR - 11 Receiver
2. Scintrex IPC - 7 Transmitter
3. Array: Pole - Dipole
4. Dipole Length: 25 m
5. 8th Slice
6. Current Electrode West

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,074

IMPERIAL METALS CORPORATION

SCHNAPPS

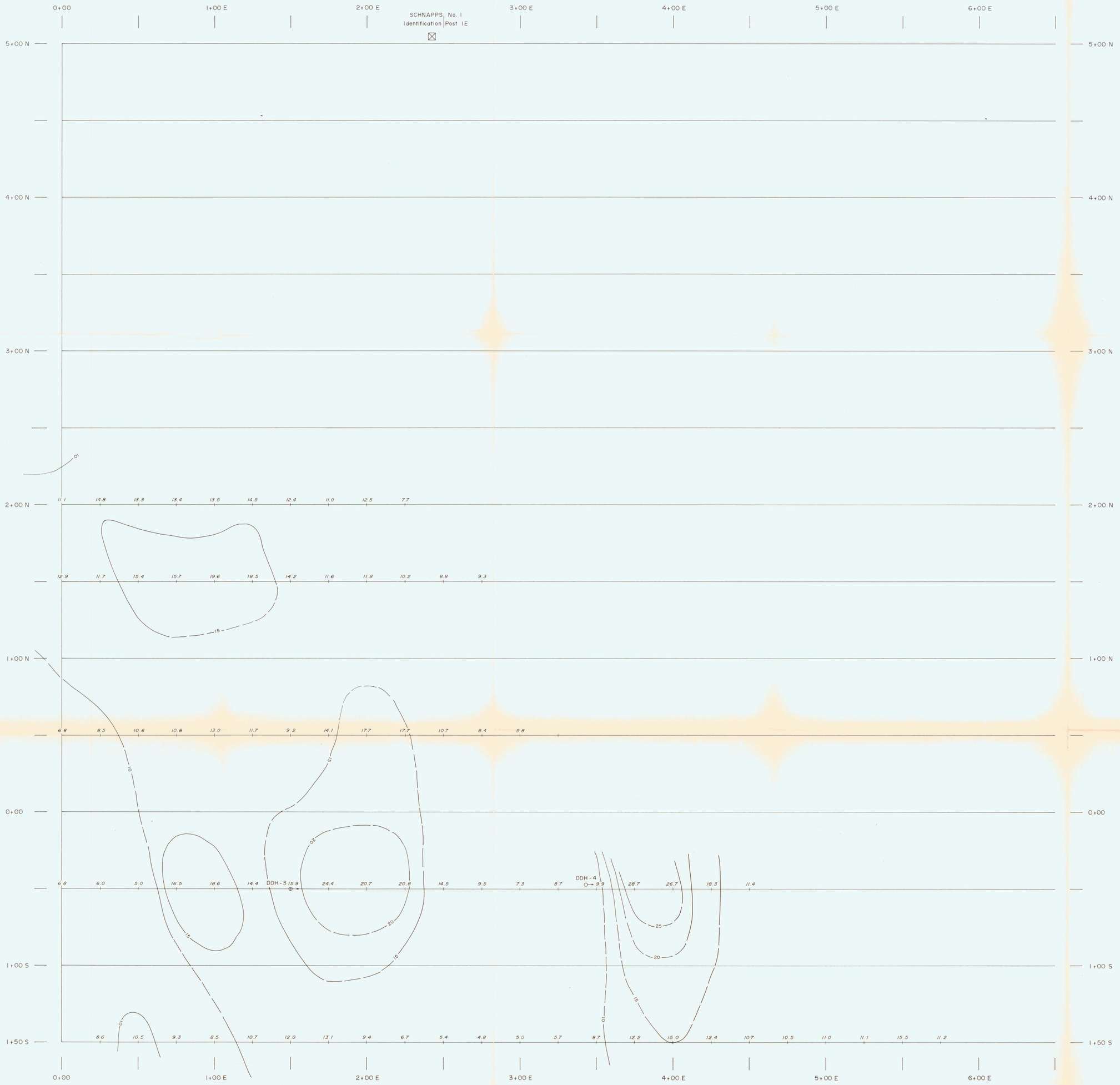
FIGURE 8 N.T.S. 93N/6W

A GRID - WEST HALF

IPR-11 SURVEY - RESISTIVITY

Metres 20 0 20 40 60 80 Metres

SCALE: 1:1000	GEOPHYSICIST: A. SCOTT
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH



N

LEGEND

- Diamond Drill Hole
- Claim Post
- Lake
- Creek
- 8.3 — Chargeability Value (mV/V)
- 10 — Chargeability Contour (mV/V)

NOTES:

1. Contour Interval: 5 mV/V
2. Scintrex IPR-II Receiver
3. Scintrex IPC-7 Transmitter
4. Array: Pole-Dipole
5. Dipole Length: 25 m
6. 8th Slice
7. Current Electrode West

IMPERIAL METALS CORPORATION

SCHNAPPS

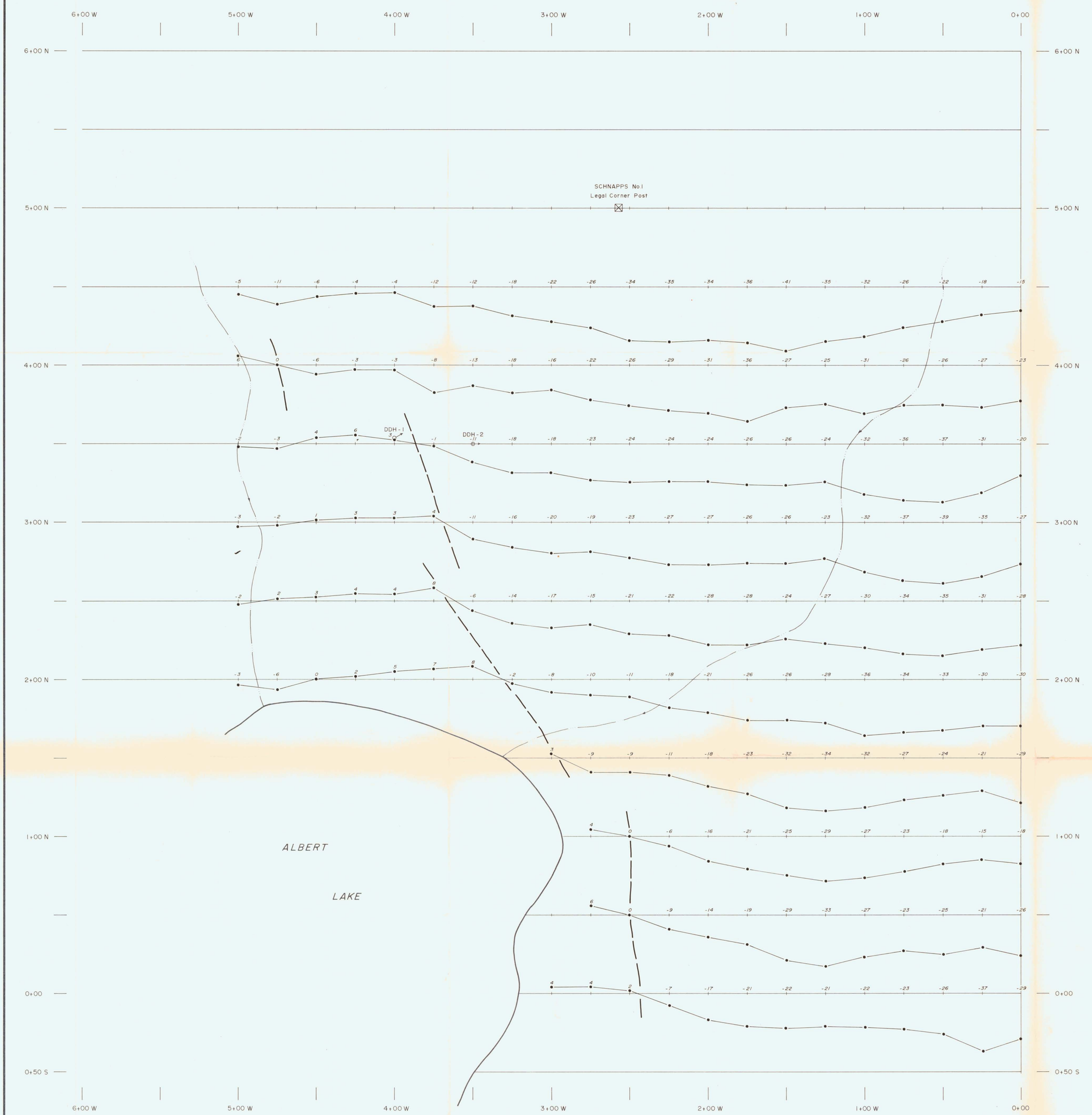
FIGURE 5 N.T.S. 93N/6W

A GRID - EAST HALF

IPR-II SURVEY - CHARGEABILITY

Metres 20 0 20 40 60 80 Metres

SCALE: 1:1000	GEOPHYSICIST: A. SCOTT
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH



N

LEGEND

- Diamond Drill Hole
- Claim Post
- Lake
- Creek
- EM Conductor
- -27 Dip Angle
- Dip Angle Profile

Vertical Scale: 1° = 1 mm

IMPERIAL METALS CORPORATION

SCHNAPPS

FIGURE 4 N.T.S. 93N/6W

A GRID - WEST HALF

VLF SURVEY

Metres 20 0 20 40 60 80 Metres

SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH

6+00 W 5+00 W 4+00 W 3+00 W 2+00 W 1+00 W 0+00

6+00 N 5+00 N 4+00 N 3+00 N 2+00 N 1+00 N 0+00 0+50 S

SCHNAPPS No.1
Legal Corner Post

AA-P1 (Ia)
AA-P2 (Ia)
AA-P3 (0.11% Cu) (Ic)
AAT-P11, AAT-P12 (2, Ic)
AA-P4 (0.15% Cu) (Ia)
Ia
AA-P13 (1.80% Cu) (Ia)
DDH-1
DDH-2
AAT-P14 (Ia)
AA-P5 (Ia)
AA-P6 (0.80% Cu)
AA-P7 (Ia)
Ib AA-P9
AAT-P15, AAT-P16 (Ia, 2)
AA-P8 (Ia, Ia)
AA-P10 (Ic)

ALBERT

LAKE

N

LEGEND

- Diamond Drill Hole
- Claim Post
- Lake
- Creek
- x — Single Outcrop
- Outcrop Area
- ⊗ — Float
- AA-P2 — Rock Sample
- Trench
- Ia — Massive Basaltic Flow
- Ib — Massive Andesitic Flow
- Ic — Mafic Volcanic (Undiff.)
- 2 — Sediments (Argillite, Greywacke)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,074

IMPERIAL METALS CORPORATION

SCHNAPPS

FIGURE 3 N.T.S. 93N/6W

A GRID - WEST HALF

SURFACE GEOLOGY

Metres 20 0 20 40 60 80 Metres

SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: AUGUST 1985	DRAWN BY: S. HAWORTH

6+00 W | 5+00 W | 4+00 W | 3+00 W | 2+00 W | 1+00 W | 0+00

SCHNAPPS No.1
Legal Corner Post

5+00 N
4.7 6.1 7.2 8.0 6.9 6.4 6.0 6.2 6.1 5.1 5.1 4.4 5.0 6.1 7.4 8.1 12.8 12.9 9.8 8.7

4+00 N
5.9 7.4 8.6 10.3 11.7 10.2 9.8 11.0 9.7 10.8 7.3 7.5 7.1 6.8 6.4 7.6 8.5 7.4 6.8
5.3 6.5 7.0 8.7 11.1 10.7 11.3 13.1 14.2 19.2 14.1 15.8 7.1 8.9 8.5 8.0 7.8 6.3 5.9 5.4 6.7 9.7 8.9

3+00 N
8.3 8.6 7.6 8.5 12.1 15.7 17.00 17.9 17.5 21.4 8.9 13.9 10.7 8.8 11.8 10.8 9.3 7.5 7.8 7.9 8.7 7.3
6.3 7.8 8.5 7.4 8.9 13.3 13.5 18.5 20.3 18.7 14.7 11.9 7.7 6.6 6.8 7.6 7.7 7.9 7.1 7.7 9.3 8.6

2+00 N
6.8 6.9 7.8 7.0 6.8 8.5 9.6 11.9 8.4 8.1 10.7 10.8 8.7 7.5 8.9 8.9 8.7 8.1 8.3 8.4 7.1 7.2
5.6 6.0 7.3 6.0 6.3 8.1 7.9 8.0 6.3 8.2 7.2 7.2 6.9 9.6 7.6 6.8 10.2 11.6 9.9 12.1 11.5 11.1

1+00 N
7.9 7.6 7.9 7.2 7.8 6.0 6.3 6.4 7.5 11.4 12.4 12.9

0+00
9.0 9.5 10.3 8.8 6.9 5.4 5.1 5.6 5.5 6.4 6.8

1+00 S
8.1 8.4 6.1 5.6 6.8

1+50 S

DDH-1
DDH-2

10
15
20

ALBERT
LAKE

N

LEGEND

- Diamond Drill Hole
- Claim Post
- Lake
- Creek
- 8.3 — Chargeability Value (mV/V)
- 10 — Chargeability Contour (mV/V)

NOTES:

1. Contour Interval: 5 mV/V
2. Scintrex IPR-11 Receiver
3. Scintrex IPC-7 Transmitter
4. Array: Pole-Dipole
5. Dipole Length: 25 m
6. 8th Slice
7. Current Electrode West

GEOLOGICAL BRANCH
ASSESSMENT REPORT

14,074

IMPERIAL METALS CORPORATION

SCHNAPPS

FIGURE 6 N.T.S. 93N/6W

A GRID - WEST HALF

IPR-11 SURVEY - CHARGEABILITY

Metres 20 0 20 40 60 80 Metres

SCALE: 1:1000	GEOPHYSICIST: A. SCOTT
DATE: NOVEMBER 1985	DRAWN BY: S. HAWORTH