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11/87

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VANCOUVER, B.C.	

DIAMOND DRILLING REPORT

TAKLA-RAINBOW PROPERTY

Takla	5964 (11)	Twin 2	3957 (7)
Rainbow	5965 (11)	Twin 3	3958 (7)
T.R.A.	6293 (06)	Twin 4	3959 (7)
T.R.C.	7113 (07)	Twin 5	3960 (7)
Twin 1	3956 (07)	Twin 6	3961 (7)

OMINECA MINING DIVISION

N.T.S. 93N/11W 55°39'N, 125°13'W

Imperial Metals Corporation (owner/operator)
R. Pesalj, February 1987

FILMED

15,487

GEOLOGICAL BRANCH
ASSESSMENT REPORT

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	1 /
1. INTRODUCTION	2 /
2. LOCATION, ACCESS, TOPOGRAPHY	2 /
3. PROPERTY	2 /
4. REGIONAL GEOLOGY	4
5. HISTORY OF EXPLORATION	4
6. DETAIL GEOLOGY	7 /
6.1 Lithology	7
6.2 Structural Setting	10
6.3 Alteration	10
6.4 Gold Mineralization	10
7. DRILLING RESULTS	11
8. CONCLUSIONS AND RECOMMENDATIONS	12
BIBLIOGRAPHY	13
AUTHOR'S QUALIFICATION	14
FIGURE # 1: Location Map	1:250,000 3 /
# 2: Claim Map	1:50,000 5 /
# 3: General Geology of Takla-Rainbow Property	6 /
# 4: Borehole Geology Plan	1:2,500 In Back Pocket
# 5: DDH 11 Section	1:1,000 "
# 6: DDH 12 Section	1:1,000 "
# 7: DDH 5-DDH 13	1:1,000 "
# 8: DDH 6-DDH 15	1:1,000 "
# 9: DDH 16	1:1,000 "
#10: DDH 7-DDH 17	1:1,000 "
#11: DDH 8-DDH 18	1:1,000 "
#12: DDH 14	1:1,000 "
#13: DDH 9	1:1,000 "
#14: DDH 10	1:1,000 "
APPENDIX I: Borehole Logs (DDH 5 - DDH 18)	
APPENDIX II: Analytical Data	

SUMMARY

The Takla-Rainbow gold property is located in the North Central British Columbia, approximately 48 kilometers west of Manson Creek. During the sixties and seventies the area was actively explored for porphyry copper deposits. Anomalous gold in stream silts and soils along the Twin Creek brought the attention of Imperial Metals Corporation.

During the 1985 and 1986, ground surveys and diamond drilling on the property delineated coinciding geochemical and IP anomaly. The anomaly was tested by four holes in 1985 and fourteen holes in 1986 for a total of 2,060 meters. Gold mineralization is spatially and genetically related to intrusive porphyries adjacent to the contact between the Hogem batholith and Takla volcanics and confined to the zone marked by a large pyritic halo. Hydrothermal alteration in the zone, including sericitization, carbonatization, silicification and epidotization is hosted by both volcanics and intrusives. Mineralization in form of veinlets and disseminations of quartz, auriferous pyrite, chalcopyrite, carbonates, sericite, chlorite and minor magnetite, galena and sphalerite is localized between the three major parallel northwest-southeast striking subvertical faults and concentrated in the structures marked by microshearing, tension fracturing and hydrothermal alteration. The width of mineralized intersections varies from 0.2 to 2.49m and gold content between 0.03 and 1.12 oz/ton. The mineralized zone has been tested over 700 meters strike with shallow holes spaced 100 meters. The zone is still open at the east end and down dip. The encouraging results to date justify its further delineation by fill-in drilling at 50 meter centers, proposed for 1987 field season.

1.0 INTRODUCTION

This report pertains to diamond drilling conducted on the Takla-Rainbow property by Imperial Metals Corporation between July 19 and September 30, 1986. The work was carried out from the fly camp on the property by J.T. Thomas Drilling from Smithers, supported by a helicopter chartered from Okanagan Helicopter base at Tsayta Lake Lodge.

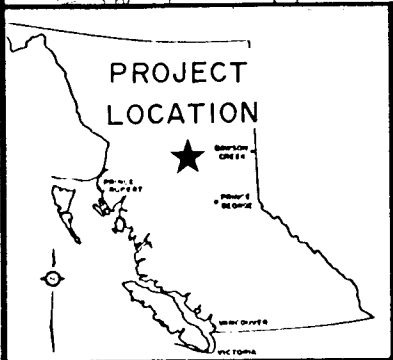
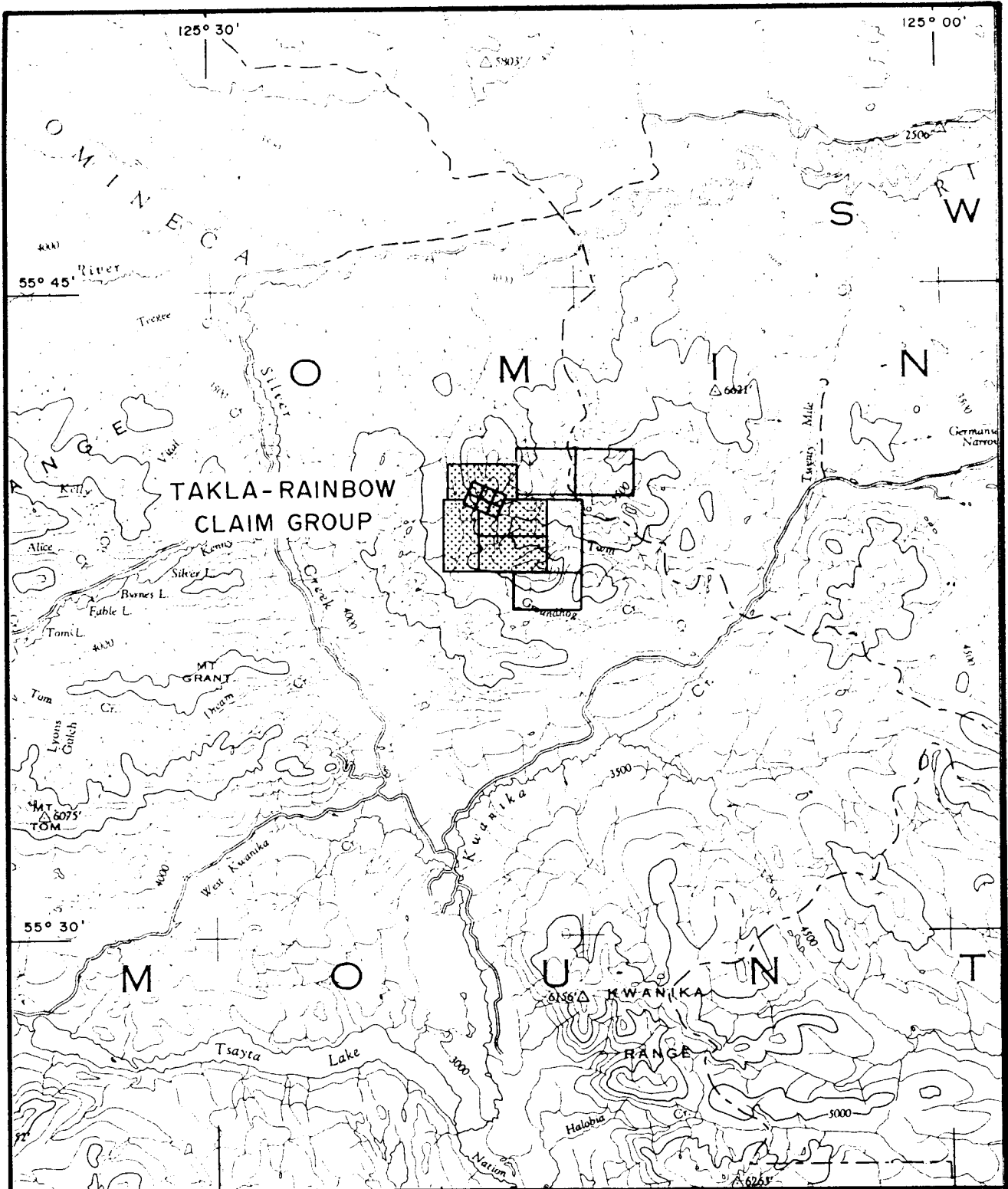
2.0 LOCATION, ACCESS, TOPOGRAPHY

The Takla-Rainbow property is located in the North Central British Columbia, approximately 48 kilometers west of Manson Creek (Figure 1). The property lies within the Twin Creek drainage, a tributary of Kwanika Creek, which empties into the Nation River system. Access to the property is by an all weather road from Manson Creek to within 8 kilometers, and then by a helicopter. Elevations on the property range from 1,450m at the south to 1,800m at the north end. The central part of the property is dominated by a broad Twin Creek valley that rises into mountains to the north and south. Semi-open coniferous forest at the lower reaches and alpine conditions at higher elevations prevail throughout the area.

3.0 PROPERTY

Currently, the Takla-Rainbow property consists of the following contiguous claims: (Figure 2)

<u>CLAIM</u>	<u>RECORD NO.</u>	<u># OF UNITS</u>	<u>OWNER OF RECORD</u>	<u>RECORDED</u>
Takla	5964 (11)	18	Imperial Metals	Nov. 14, 1983
Rainbow	5965 (11)	18	Imperial Metals	Nov. 14, 1983
T.R.A.	6293 (06)	18	Imperial Metals	June 22, 1984
T.R.C.	7113 (07)	18	Imperial Metals	July 4, 1985
Twin 1	3956 (07)	1	Neil Scafe	July 22, 1981
Twin 2	3957 (07)	1	Lorne B. Warren	July 22, 1981
Twin 3	3958 (07)	1	Lorne B. Warren	July 22, 1981
Twin 4	3959 (07)	1	Neil Scafe	July 22, 1981
Twin 5	3960 (07)	1	Neil Scafe	July 22, 1981
Twin 6	3961 (07)	1	Lorne B. Warren	July 22, 1981
T.R.B.	7284 (09)	18	Imperial Metals	Sept. 9, 1985
T.R.D.	7396 (10)	18	Imperial Metals	Oct. 31, 1985
T.R.E.	7377 (11)	20	Imperial Metals	Nov. 1, 1985
T.R.F.	7378 (11)	20	Imperial Metals	Nov. 1, 1985
T.R.G.	7524 (03)	5	Imperial Metals	March 7, 1986
		<u>159</u>		



IMPERIAL METALS CORPORATION

TAKLA - RAINBOW

FIGURE 1

N.T.S. 93N

LOCATION MAP



SCALE: 1:250 000

GEOLOGIST: R. PESALJ

DATE: DECEMBER 1986

DRAWN BY: S. HAWORTH

The Twin 1-6 claims are presently held by Imperial Metals Corporation under an option agreement with Kengold Mines Ltd. and Neil Scafe signed on March 1, 1985.

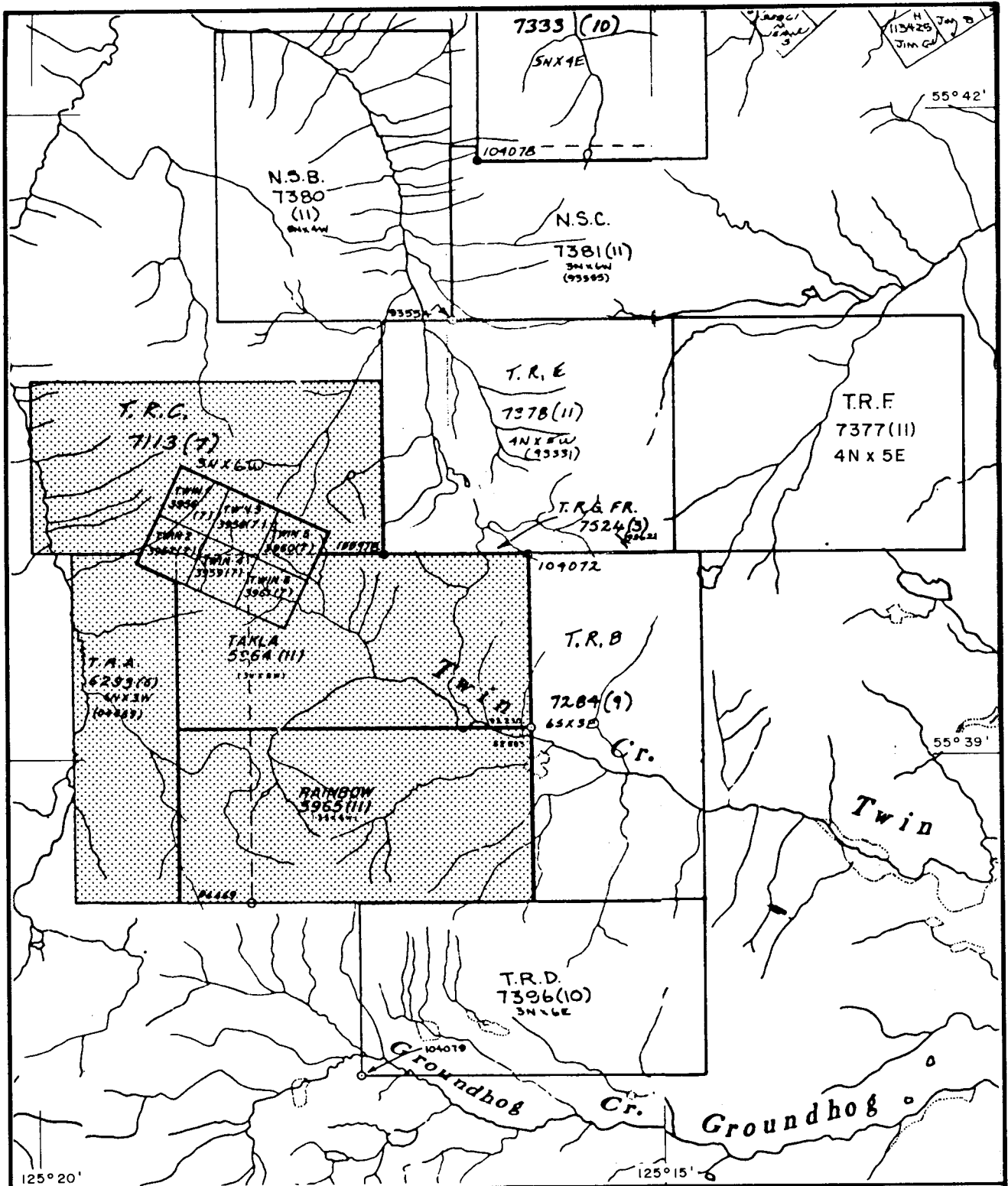
4.0 REGIONAL GEOLOGY

The property is situated within the Omineca Tectonic Belt of the Canadian Cordillera and lies along the eastern margin of the Hogem Batholith. The Hogem batholith represents a complex intrusive of syenitic to granitic composition with the main intrusive event dated 212-176 Ma. Along the eastern margin of the batholith, intrusive rocks are in contact with the Takla volcanics of Triassic age. The Takla volcanics comprise dark green and maroon tuffs, andesites, breccias, argillite, siltstone, conglomerate and agglomerate. The volcanics are commonly intruded by feldspar porphyry dykes (Figure 3).

5.0 HISTORY OF EXPLORATION

The Takla-Rainbow property area was extensively explored for porphyry copper potential between 1969 and 1973 when the Lorraine porphyry copper deposit was investigated. First reference to the Twin claims is in the B.C.D.M. assessment report #2501 by W.R. Bacon for the N.B.C. Syndicate in 1970. Exploration during this period was conducted mainly along the south facing slope north of the present drilling and included geochemical soil sampling and detail mapping. These surveys outlined a strong copper anomaly in soil in south-easterly trending zone parallel to the contact between the batholith to the north and the Takla volcanics to the south. South of this zone an apparently parallel zone of predominately pyrite mineralization was recognized, but the copper values found in soil did not justify further follow-up. In 1971 Falconbridge Mines carried out more geochemical survey, geophysics and drilling of the soil copper anomalies and showings. Westrob Mines and Hudson Bay Mining worked the property in 1972 and 1973.

In July of 1981 the property was staked by Lorne Warren and Neil Scafe. Two samples from the trench on the property collected by the prospectors that returned 0.57 and 0.68 oz/ton Au were first samples that indicated the presence of gold in the pyritic zone described earlier by W.R. Bacon. Examination of the property by Mattagami Lake Exploration, S.E.R.E.M. and Newmont in 1981 apparently did not confirm the results obtained from the trench and the property remained idle until 1983. Amir Mines optioned the six Twin claims in 1983 and carried out two days of helicopter reconnaissance,



IMPERIAL METALS CORPORATION

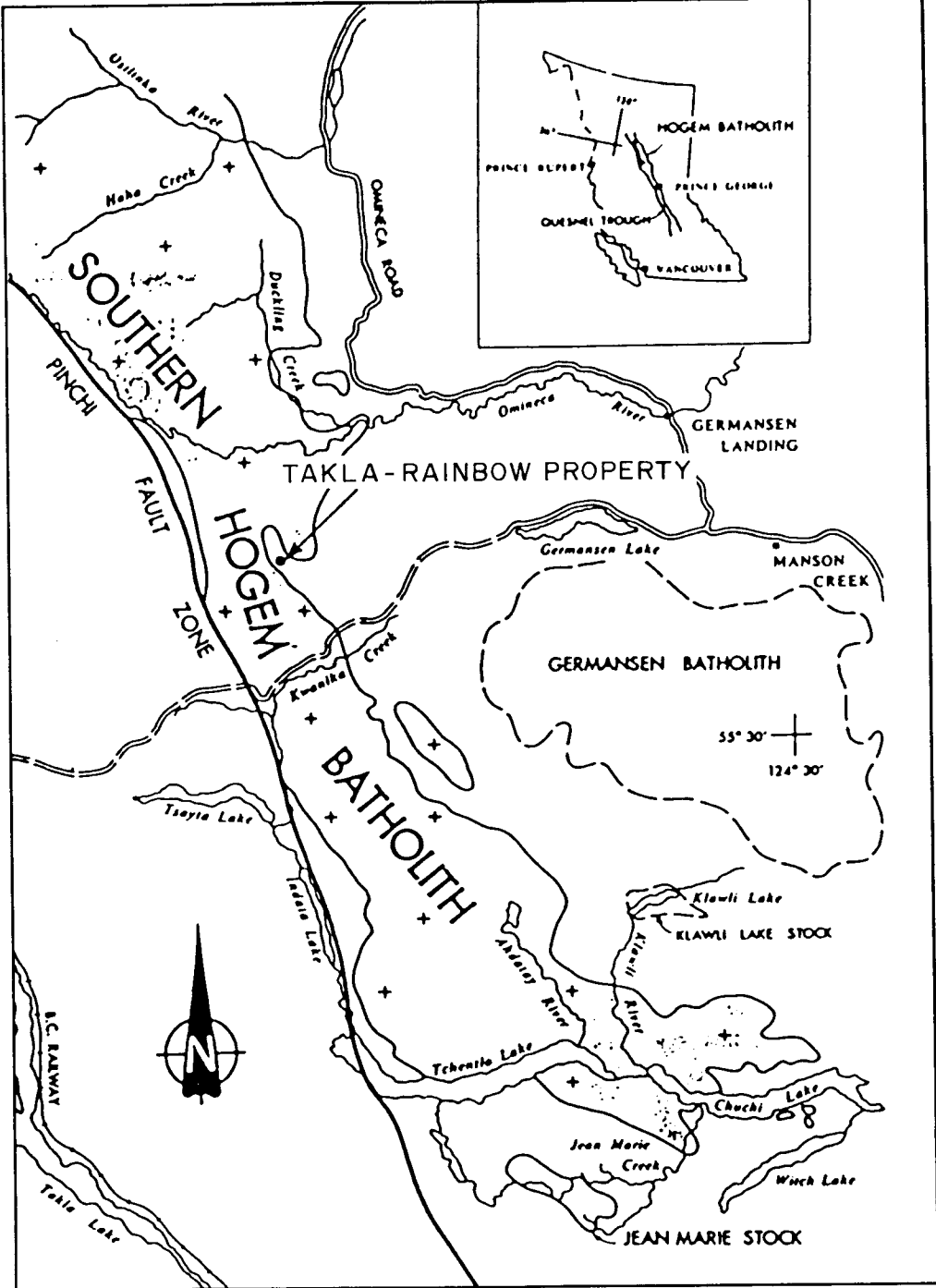
TAKLA - RAINBOW

FIGURE 2 N.T.S. 93N/11E & W

CLAIM MAP



SCALE: 1: 50 000	GEOLOGIST: R. PESALJ
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

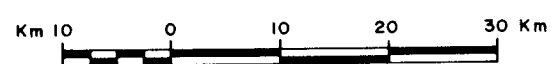


From: J.A. GARNETT, B.C.D.M., 1978

IMPERIAL METALS CORPORATION
TAKLA - RAINBOW

FIGURE 3

GENERAL GEOLOGY



SCALE: 1:700 000	GEOLOGIST: R. PESALJ
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

prospecting and sampling in order to assess the gold potential of the various gossans in the area. The sample collected from the trench on the property returned 0.015 oz/ton Au in a very pyritic altered volcanic.

In 1983, Imperial Metals started reconnaissance program along the Pinchi Fault in an effort to evaluate the potential of the general area for gold mineralization. A reconnaissance stream traverse along the Twin Creek indicated anomalous gold in silt and soil samples collected along the entire stream which was known for its placer gold. Takla and Rainbow claims were staked and in 1984 ground surveys, including detail soil coverage and mapping commenced. Ground surveys revealed anomalous gold and copper in soil and located one mineralized outcrop with interesting base and precious metal mineralization. Sampling of the trench on Twin claims returned 0.92 oz/ton Au in highly pyritic andesitic volcanic and the property was optioned the following spring. In 1985, the surveys were extended over the western part of the property including the Twin claims. The surveys included detail mapping, geochemical soil sampling and induced polarization. Diamond drilling of the coinciding geochemical and geophysical anomaly resulted in a discovery of gold-silver-copper mineralization in four holes that tested the zone 550 meters along the strike and 30 meters at depth. The best intersection was in DDH #4 yielding 0.53 oz/ton Au over 1.64 meters.

6.0 DETAIL GEOLOGY

The outcrops on the Takla-Rainbow property are scarce and limited to tops of the hills or creek valleys. The area of recent drilling covered by this report lacks any rock exposures. The information on geology is entirely from drill core data from the 1985 and 1986 programs. The area covered by drilling measures approximately 700 meters in length and 150 meters in width and lies on the north facing slope south of a tributary to Twin Creek at elevations from 1,580 to 1,620 meters above the sea level. The interpretation of bedrock geology from drilling data is presented in Figure 4.

6.1 Lithology

The present drilling area is underlain by Takla volcanics and intruded by younger intrusives that belong to the border phases of the Hogem batholith. The volcanics in general occupy the southern section of the area, while the intrusives underlie the northern section.

6.1.1. Takla Volcanics

a) Andesites:

Volcanic rocks encountered in drill holes are represented by massive or porphyritic andesitic and minor basaltic flows. Dominant volcanic is massive fine grained or porphyritic andesite. The primary texture of massive andesite is largely obscured by strong alteration, but it appears that it is made up essentially of a rather evenly granular aggregate of subhedral to euhedral plagioclase of a grain size 0.1-0.4 mm. The blocky altered grains of plagioclase are cemented by a network matrix of intergranular fine grained chlorite. The plagioclase is strongly altered to fine grained sericite and lesser chlorite and carbonite and the original character of the grains is unclear. The rock is cut by veinlets of carbonate, which also occurs pervasively as splashes and pockets throughout, though more abundant close to the veinlets. Epidote also occurs as disseminated constituent, but is mainly concentrated as localized, though rather diffuse vein-like zones of microbrecciation and alteration. Some of epidote-rich zones contain abundant pyrite as clumps of euhedral-subhedral grains 0.05-0.5 mm in size. These often contain intergrown fine grained magnetite and traces of chalcopyrite. Some of the pyrite clusters have associated granular quartz and sparry carbonate. Carbonate veining seems to overlap the period of epidotization and sulphide introduction and some later carbonate veins clearly crosscut the earlier alteration. Minor pockets of K-feldspar appear spatially related to some of the altered fracture zones and are presumably of introduced origin. The carbonate is mainly of dolomitic or ankeritic composition, but veinlets of calcite are also present.

b) Porphyritic Andesites:

Porphyritic andesites with abundant plagioclase phenocrysts set in green, chloritic groundmass represent minor volume of the Takla volcanics in drill core.

Other volcanics encountered in the core are represented by fine grained, massive, basaltic flows and make small percentage of the volcanic pile.

6.1.2. Intrusives

The intrusive suite found in the drill core is represented by a massive dioritic unit intersected by several holes in the western section of the

drilling area and two major types of porphyry found throughout. The age relationships between the intrusives is not clear, but their emplacement definitely post dates the Takla volcanics as they often contain small volumes of volcanics as isolated bodies away from the main volcanic mass at the south end.

a) Diorite:

Massive to sub-porphyrific diorite consists of interlocking subhedral-auhedral plagioclase crystals 0.1-2.0 mm with accessory K-feldspar in an interstitial mode. Amphibole forms abundant subhedral grains 0.1-1.0mm. It is often altered to various proportions of chlorite, secondary green biotite, carbonate and epidote. The rock is cut by sparse hairline veinlets of epidote, chlorite and carbonate.

b) Granite Porphyry:

Granite porphyry is characterized by large (to 1cm across) phenocrysts of plagioclase with lesser quartz phenocrysts in a matrix consisting of equal amounts of K-spar, plagioclase and quartz. Compositionally, the unit ranges from trachyte to granodiorite and could represent two different phases, but their relationships cannot be determined accurately at the present stage of exploration. Some cross-cutting relationships indicate that trachyte could be the youngest phase of the intrusive suite.

c) Diorite Porphyry:

Diorite porphyry is porphyritic rock consisting of plagioclase phenocrysts 0.2-5.0mm in size in an evenly felsitic groundmass of grain size 0.01-0.05 mm with very little quartz and K-spar present. The rock is light grey or white in colour and seldom contains quartz phenocrysts.

d) Monzonitic Dykes:

Dykes of fresh, monzonotic, non-porphyrific, fine grained rock have been intersected in several holes. These dykes contain abundant mafics together with plagioclase and K-spar in roughly equal proportion and represent the youngest intrusive rocks on the property.

On the basis of their mineralogy, granitic intrusives on the property fall into granodiorite, tonalite, quartz monzodiorite and quartz diorite fields of an QAP diagram.

6.2 Structural Setting

A distinct topographic feature in a form of northwest-southeast striking valley was recognized in the present drilling area by earlier explorers, who suggested existence of a fault zone. Drilling information confirmed this by intersection of at least three parallel northwest-southeast striking fault structures. The intensity and magnitude of structural deformation is the strongest at the west end, where the zone of brecciation in porphyries and volcanics reaches 23.16 meters in DDH 11. These faults usually have well developed gouge and represent late deformation, transecting both intrusives and volcanics. Petrographic thin section work revealed also close-spaced, sub-parallel systems of sheeted microfractures in porphyries that seem to be the locus of carbonate-epidote alteration.

The information from surface mapping on the property combined with the drill core data indicates the dips of the Takla volcanic to be steep to the south, but proper determination is often difficult due to massive texture of andesites. The dips of the faults and fracture system appears to be steep to the north or sub-vertical.

6.3 Alteration

All the rocks on the property exhibit hydrothermal alteration and in some cases this is so strong that it obscures the original composition.

The alteration in volcanics and porphyries consist principally of pervasive sericitization and carbontization of plagioclase phenocrysts and groundmass plagioclase. The second type of alteration is represented mainly by fracture controlled carbonitization and silicification and alteration of mafic minerals into chlorite, carbonate and epidote. The carbonate is mainly of dolomitic, but occasionally it is ankeritic or calcitic in composition. The strongest alteration was found in DDH 11 and DDH 12, where also wide zones of brecciation have been intersected. This indicates the existence of a center or vent from which hydrothermal fluids emanated, using structural weaknesses along the faults and fracture systems and carried mineralized solutions. K-feldspathization in form of a system of veinlets cross-cutting both volcanics and intrusives is not widespread, but was noted in several holes.

6.4 Gold Mineralization

Mineralized zone at the Takla Rainbow property is spatially and

probably genetically related to porphyries that occur along the eastern margin of the Hogem batholith. The gold mineralization known to date occurs within a pyritic halo measuring 700 meters in length and 150 meters in width as outlined by an induced polarization survey in 1985. Gold-pyrite association is very common, but gold may or may not be intimately associated with pyrite and so far no work has been done to investigate the actual type of association. The most common type of gold mineralization is in form of narrow quartz fillings along the tension fractures from few centimeters to several decimeters in width, or disseminations of auriferous pyrite in both porphyries and volcanics. Mineral association in the zone is represented by pyrite, chalcopyrite, quartz, carbonates, sericite, chlorite and minor magnetite, galena and sphalerite. The mineralization is localized between the three parallel northwest-southeast striking faults and confined to the structures with microshearing, tension fracturing, pyritization, carbonitization and silicification. Solutions carrying gold were concentrated in a late magmatic phase of the intrusion and physically emplaced along the system of microfractures and tension fractures.

7.0 DRILLING RESULTS

A total of 18 holes (2,060m - 6,759 ft.) were completed on the property in 1985 and 1986 programs, testing the zone at approximately 100m intervals over the 700 meters of strike length. The width of mineralized intersections in drill holes varies from 0.2-2.49m and gold content between 0.03 to 1.12 oz/ton. Up to five mineralized intersections can be present in a single hole with the most continuous band extending over 375 meters, having an average grade of 0.21 oz/ton Au over an average width of 1.42 meters. The best section drilled in 1986 is DDH 5-DDH 13 on the west side of the zone. The dip of the five mineralized bands at this section is sub-vertical, with the best intersection grading 0.698 oz/ton Au over 1.50 meters. The section drilled by DDH 7 and DDH 17 lacks mineralization on the present levels of drilling, indicating possible rake of the mineralized zone, but it is still open to the east with two intersections in DDH 10. Another break or closure of the mineralized zone occurs on the west side, where drilling by DDH 11 did not indicate the presence of mineralization, although the hole intersected wide zone of brecciation in the porphyry and strong hydrothermal alteration over its entire length.

The results of diamond drilling are presented on detail geological plan (Figure 4) and vertical sections (Figures 5-14).

8.0 CONCLUSIONS AND RECOMMENDATIONS

Exploration work on the Takla-Rainbow property during 1985 and 1986 delineated a mineralized zone that has good exploration potential along the entire tested strike length of 700 meters and down dip. Drilling on the property to date has been with wide spaced holes and further fill-in drilling at 50 meter spacing is recommended. One hole of the new program is also recommended on the east side of the zone at 9+00E to test its eastern extension.

Rad Vesag -

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AUTHOR'S QUALIFICATIONS

1. I, Radomir Pesalj, B.Sc Geological Engineering 1963, University of Belgrade, Yugoslavia, am a member of the Society of Economic Geologists Inc.
2. Since graduation I worked as a mining and exploration geologist on numerous projects throughout Canada. Presently a permanent staff geologist with Imperial Metals Corporation of Vancouver, B.C.
3. I carried out work on the Takla-Rainbow property described in this report.

Rad. Pesalj
RADOMIR PESALJ, February 1987

D. Gorse is grad. geologist, Queens', 1976

STATEMENT OF EXPENDITURES

PERSONNEL

R. Pesalj	July 19-Aug. 15; Aug. 16-Sept. 4; Sept. 16-30	\$ 13,000.00
D. Gorc	August 15 - Sept. 6	4,600.00
T. McKenzie	July 19 - August 7	2,400.00
P. McKenzie	July 19 - August 7	2,300.00
J. Walker	August 15 - Sept. 6	1,702.00
R. Carten	August 26 - Sept. 4; Sept. 16 - 30	1,750.00
J. Coker	August 1 - 26	1,300.00

FOOD AND ACCOMODATION

Camp Cost	189 man days @ \$40/day	7,560.00
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DIAMOND DRILLING

14 holes (BQ)	1748.33m @ \$80.00/m	139,840.00
Helicopter support	60 hours @ \$525.00/hr	31,500.00

ANALYTICAL COSTS

1095 core samples @ \$14.50	15,877.50
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TRANSPORTATION

Truck 74 days @ \$65.00/day	4,810.00
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SURVEY

1,000.00

REPORT PREPARATION AND DRAFTING

1,000.00

\$ 228,639.50

APPENDIX I



DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 1 OF 5
HOLE NO. : DDH 5	LAT. : 0+77 S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: July 30, 1986	DEP. : 2+91 E	SURVEY AT :	DATE : July 31, 1986
COMPLETED: August 2, 1986	ELEV. : 1,605.25 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 118.26m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	7.62		Overburden, boulders of green andesitic volcanic, minor disseminated pyrite and epidote.	8583	7.62	8.53	0.91	50	0.1	114	100	
				8584	8.53	9.60	1.07	70	0.3	144	116	
				8585	9.60	11.28	1.68	30	0.9	7	59	
				8586	11.28	11.89	0.61	10	0.8	5	66	
7.62	9.60		Green, massive andesite, finely disseminated pyrite throughout, few pyrite veinlets, abundant chlorite and epidote. Pyrite content avg. 2-3%.	8587	11.89	13.26	1.37	15	0.3	7	66	
				8588	13.26	14.63	1.37	17	0.4	7	57	
				8589	17.26	17.68	0.42	5010	0.1	3671	68	0.193
				8590	17.68	19.05	1.37	290	0.1	142	50	
				8591	19.05	19.66	0.61	80	1.1	19	39	
9.60	17.26		Granite porphyry, pink & light green. Phenocrysts of plagioclase upto 5mm length, local hematite coated fractures and pyrite veinlets. Pyrite content decreasing down hole.	8592	19.66	21.34	1.68	33	0.2	8	52	
				8593	29.40	30.92	1.52	45	0.2	18	119	
				8594	30.92	32.31	1.39	130	0.2	62	111	
				8595	32.31	34.14	1.83	15	0.4	116	134	
				8596	34.14	34.50	0.36	34	0.3	98	105	
				8597	34.50	36.56	2.06	70	0.5	130	93	
17.26	17.68		Granite porphyry as above to 17.26m cut by grey quartz-pyrite-epidote veinlets to several centimeters across. Pyrite content 3-5% reaching 10% in veinlets.	8598	36.56	38.08	1.52	55	0.2	157	91	
				8599	38.08	39.62	1.54	43	0.2	51	129	
				8600	39.62	41.60	1.98	135	0.2	12	140	
				1801	45.50	45.90	0.40	115	0.1	67	64	
				1802	52.80	53.80	1.00	95	0.1	181	127	
				1803	53.80	54.40	0.60	635	0.1	868	164	
17.68	19.66		Granite porphyry as above, blebs and disseminations of fine grained pyrite throughout the section. White quartz vein 18.90 - 19.00m.	1804	54.40	55.20	0.80	535	0.2	175	102	
				1805	55.20	55.66	0.46	120	0.2	130	112	
				1806	55.66	56.25	0.59	195	0.2	188	108	
				1807	56.25	57.00	0.75	33	0.6	11	122	
				1808	57.00	58.50	1.50	65	0.7	31	128	
19.66	28.00		Granite porphyry as above, minor disseminated pyrite.	1809	58.50	59.17	0.67	4500	0.3	124	114	0.130
				1810	59.17	60.35	1.18	110	0.2	20	141	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 2 OF 5
HOLE NO. : DDH 5	LAT. : 0+77 S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: July 30, 1986	DEP. : 2+91 E	SURVEY AT :	DATE : July 31, 1986
COMPLETED: August 2, 1986	ELEV. : 1,605.25 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 118.26m	UNUSUAL FEAT.:

From	To	Symbol	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
28.00	29.40		Fault zone, badly broken feldspar porphyry, minor fault gouge.	1811	60.35	61.87	1.52	130	0.2	76	136	
				1812	67.97	69.49	1.52	155	0.2	181	116	
				1813	69.49	71.01	1.52	275	0.4	199	126	
29.40	29.70		Granite porphyry as above.	1814	71.01	72.54	1.53	280	0.3	173	140	
				1815	72.54	74.06	1.52	210	0.5	278	146	
29.70	41.60		Dark green, highly chloritic andesite, massive, locally cut by white quartz veinlets to 5mm across, disseminated pyrite up to 10% in narrow sections. Average pyrite content 1-3%.	1816	74.06	75.59	1.53	135	0.2	144	135	
				1817	75.59	77.11	1.52	155	0.2	63	113	
				1818	77.11	78.64	1.53	110	0.2	100	107	
				1819	78.64	80.16	1.52	145	0.1	111	112	
				1820	80.16	81.69	1.53	70	0.1	120	106	
				1821	81.69	83.21	1.52	90	0.1	107	114	
41.60	44.20		Granite porphyry, pink and grey, phenocrysts of plagioclase to 5mm.	1822	83.21	84.05	0.84	95	0.2	129	128	
				1823	98.85	99.87	1.02	110	0.2	181	159	
				1824	99.87	100.55	0.68	115	0.2	193	158	
44.20	45.50		Andesite as above to 41.60m.	1825	100.55	101.43	0.88	840	0.6	329	154	
				1826	101.43	102.06	0.63	915	0.7	413	171	
35.50	47.60		Granite porphyry, at the contact with andesite from 45.50 to 45.90m disseminated and veinlet pyrite 8-10%.	1827	102.06	102.70	0.64	445	0.3	145	169	
				1828	102.70	103.62	0.92	130	0.2	189	193	
				1829	103.62	104.54	0.92	400	0.6	396	147	
				1830	104.54	106.07	1.53	3300	0.4	149	152	0.088
47.60	49.98		Andesite, dark green, highly chloritic, massive, broken core. Minor white quartz veinlets to 3mm across. From 89.00-91.44m shear zone.	1831	106.07	107.59	1.52	485	0.4	137	119	0.014
				1832	107.59	109.12	1.53	1450	0.5	353	105	0.031
				1833	109.12	110.65	1.53	520	0.7	379	100	0.016
				1834	110.65	112.16	1.51	1600	0.9	631	139	0.044
				1835	112.16	104.54	0.92	405	0.5	553	133	
49.98	52.80		Andesite, dark green, massive, occasional bands of pink porphyry. Disseminated and veinlet pyritized with	1836	113.07	106.07	1.53	850	1.3	1045	167	
				1837	113.99	107.59	1.52	810	0.5	134	134	
				1838	114.80	109.12	1.53	455	0.7	424	424	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 1 OF 4
HOLE NO. : DDH 6	LAT. : 0+88 S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: August 2, 1986	DEP. : 3+87 E	SURVEY AT :	DATE : August 4, 1986
COMPLETED: August 4, 1986	ELEV. : 1,605.39 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 96.93m	UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	7.92		Overburden, boulders of green andesitic volcanic.	1842	7.92	10.06	2.14	23	0.1	15	140	
				1843	10.06	11.58	1.52	20	0.2	14	122	
				1844	11.58	13.11	1.53	32	0.2	114	113	
7.92	33.25		Green massive andesite, occasional white quartz veinlets and hematite coated fractures. Disseminated and veinlet pyrite, fine grained, throughout the unit. Pyrite content 1-3% locally 3-5%. Epidote blebs and veinlets abundant, often with quartz and pyrite. From 28.00-28.35m disseminated pyrite 8-10%, bleb of chalcopyrite 2cm across. Thin quartz veinlets at 30-60° to core axis.	1845	13.11	14.63	1.52	30	0.2	76	127	
				1846	14.63	16.75	2.12	25	0.2	7	121	
				1847	16.75	17.68	0.93	25	0.2	7	119	
				1848	17.68	19.51	1.83	26	0.1	15	106	
				1849	19.51	21.04	1.53	80	0.1	20	102	
				1850	21.04	22.55	1.51	37	0.1	14	101	
				1851	22.55	23.77	1.22	40	0.1	50	105	
				1852	23.77	25.30	1.53	36	0.3	77	120	
				1853	25.30	26.82	1.52	43	0.2	25	88	
				1854	26.82	28.00	1.18	28	0.1	18	114	
				1855	28.00	28.35	0.35	60	0.3	347	95	
				1856	28.35	29.87	1.52	80	0.3	64	119	
33.25	36.62		Granite porphyry, pink and green, chloritized, slightly brecciated, minor volcanic fragments and disseminated pyrite. Specular hematite, fine grained, locally.	1857	29.87	31.40	1.53	13	0.1	25	152	
				1858	31.40	33.25	1.85	120	0.3	149	166	
				1859	36.62	37.40	0.78	27	0.2	18	114	
				1860	37.40	38.50	1.10	200	1.5	1595	132	
				1861	38.50	39.75	1.25	70	0.6	331	123	
				1862	39.75	41.20	1.45	120	1.1	707	124	
36.62	39.74		Andesite as above to 33.25m.	1863	41.20	42.20	1.00	60	1.2	234	84	
				1864	42.20	43.30	1.10	34	0.3	61	65	
39.74	54.34		Andesite, light grey and white, highly bleached, cut by thin quartz veinlets.	1865	43.30	44.50	1.20	34	0.4	165	72	
				1866	44.50	46.02	1.52	20	0.2	52	78	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 2 OF 4
 HOLE NO. : DDH 6 LAT. : 0+88 S TRUE BRG : 045° LOGGED BY : R. Pesalj
 COMMENCED: August 2, 1986 DEP. : 3+87 E SURVEY AT : DATE : August 4, 1986
 COMPLETED: August 4, 1986 ELEV. : 1,605.39 m % RECOVERY : 100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH : 96.93m UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			Disseminated and veinlet pyrite 2-3% average with local concentrations to 5%. From 41.75 to 43.59m broken core, shear zone, minor fault gouge. From 47.85m to 49.35m fault zone. An increase of pyrite content to average 5-8% from 48.55 to 51.06m.	1867	46.02	47.00	0.98	290	0.8	97	84	
				1868	47.00	47.85	0.85	36	0.3	29	124	
				1869	47.85	48.55	0.70	35	0.3	22	78	
				1870	48.55	49.35	0.80	41	0.2	45	92	
				1871	49.35	50.28	0.93	38	0.2	80	99	
				1872	50.28	51.06	0.78	60	0.3	67	95	
				1873	51.06	52.00	0.94	52	0.3	204	76	
				1874	52.00	53.00	1.00	46	0.5	273	79	
54.34	56.69		Quartz vein, highly altered bleached and kaolinized, fragments of andesite as inclusions in white quartz. The zone is badly broken, sheared, minor disseminated pyrite visible. Core recovery 70%.	1875	53.00	54.34	1.34	45	0.5	173	82	
				1876	54.34	55.77	1.43	15	0.3	16	109	
				1877	55.77	56.69	0.92	15	0.2	30	93	
				1878	56.69	57.50	0.81	29	0.2	60	79	
				1879	57.50	58.40	0.90	24	0.2	179	123	
				1880	58.40	59.10	0.70	40	0.3	196	158	
				1881	59.10	59.80	0.70	135	1.0	1259	102	
56.69	57.80		Andesite, as above to 54.00m.	1882	59.80	61.00	1.20	60	0.4	79	134	
				1883	61.00	62.20	1.20	60	0.4	85	159	
57.80	58.20		Granite porphyry, pink and green, chloritic, contact with andesite not sharp. Minor disseminated pyrite.	1884	62.20	63.30	1.10	50	0.2	78	70	
				1885	63.30	64.62	1.32	55	0.2	29	130	
				1886	64.62	65.70	1.08	60	0.2	22	140	
				1887	65.70	66.80	1.10	55	0.3	122	128	
58.20	74.30		Andesite, green, massive, coarse grained, veinlets of white quartz to 5mm disseminated pyrite 3-5% blebs	1888	66.80	67.80	1.00	49	0.2	26	134	
				1889	67.80	68.30	0.50	75	0.1	35	105	
				1890	68.30	69.80	1.50	38	0.1	72	113	
				1891	69.80	71.02	1.22	49	0.1	14	110	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 3 OF 4
 HOLE NO. : DDH 6 LAT. : 0+88 S TRUE BRG : 045° LOGGED BY : R. Pesalj
 COMMENCED: August 2, 1986 DEP. : 3+87 E SURVEY AT : DATE : August 4, 1986
 COMPLETED: August 4, 1986 ELEV. : 1,605.39 m % RECOVERY : 100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH : 96.93m UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppm)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			of chalcopyrite in quartz-hematite veinlets. Thin quartz veinlets running along the core.	1892	71.02	71.82	0.80	60	0.1	18	115	
				1893	71.82	72.54	0.72	31	0.1	11	116	
				1994	72.54	73.20	0.66	26	0.1	38	85	
				1895	73.20	74.30	1.10	44	0.2	69	110	
74.30	74.85		White quartz vein with inclusions of andesite, specks of chalcopyrite, low angle to core axis.	1896	74.30	74.85	0.55	42	0.9	1271	106	
				1897	74.85	75.81	0.96	70	0.5	304	119	
				1898	75.81	76.80	0.99	39	0.1	120	120	
				1899	76.80	78.33	1.53	33	0.2	79	105	
74.85	93.11		Andesite, green, massive, specks of epidote rich altered volcanic throughout, disseminated and veinlet pyrite 1-3%, locally 5-8%. Foliation angles 45-60° to core axis. Quartz vein & cp 5cm wide at 89.10m.	1900	78.33	79.73	1.40	39	0.2	48	93	
				1901	79.73	81.68	1.95	51	0.1	17	88	
				1902	81.68	83.21	1.53	47	0.2	15	99	
				1903	83.21	84.73	1.52	55	0.2	11	96	
				1904	84.73	86.26	1.53	29	0.2	10	104	
				1905	86.26	87.78	1.52	28	0.2	8	97	
				1906	87.78	89.10	1.32	49	0.1	35	81	
93.11	93.88		Fault zone, fragments of green and light green andesite, minor fault gouge.	1907	89.10	89.60	0.50	46	0.4	604	71	
				1908	89.60	90.36	0.76	33	0.3	165	77	
				1909	90.36	90.83	0.47	41	0.1	30	71	
				1910	90.83	92.35	1.52	29	0.1	23	79	
93.88	96.93		Andesite, green and light green, massive, fine grained, chloritic, diss. Py less than 1%, banding (flow) at 60° to core axis. Occasional epidote rich sections. Foot of hole.	1911	92.35	93.88	1.53	35	0.1	41	100	
				1912	93.88	95.40	1.52	31	0.2	93	134	
				1913	95.40	96.93	1.53	42	0.2	70	93	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 1 OF 4
HOLE NO. : DDH 7	LAT. : 0+76 S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: August 5, 1986	DEP. : 5+76 E	SURVEY AT :	DATE : August 7, 1986
COMPLETED: August 7, 1986	ELEV. : 1,611.71 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 81.69m	UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	5.49		Overburden, boulders of porphyry, casing.	1914	15.39	17.40	2.01	26	0.1	14	42	
				1915	17.40	18.03	0.63	25	0.2	33	45	
				1916	18.03	18.60	0.57	210	0.5	66	108	
5.49	15.39		Grey & locally pink diorite porphyry, consists of large plagioclase phenocrysts set in mainly feldspar rich matrix. The unit is badly broken, limonite abundant along the fractures. From 14.63-15.39 bleached. Minor disseminated pyrite throughout the unit, avg. 1%.	1917	18.60	19.45	0.85	50	0.3	22	163	
				1918	19.45	20.05	0.60	95	0.6	354	121	
				1919	20.05	20.65	0.60	44	0.4	41	162	
				1920	20.65	21.65	1.00	15	0.3	15	132	
				1921	21.65	22.70	1.05	21	0.4	78	137	
				1922	22.70	23.57	0.87	25	0.3	14	94	
				1923	23.57	23.97	0.40	19	0.2	8	132	
				1924	23.97	25.03	1.06	31	0.3	27	131	
				1925	25.03	26.62	1.59	16	0.3	15	107	
15.39	17.40		Light grey, bleached diorite porphyry as above to 15.39m. Core recovery 66%.	1926	26.62	27.57	0.95	21	0.4	51	85	
				1927	27.57	28.50	0.93	26	0.2	80	53	
				1928	28.50	29.45	0.95	75	0.3	32	75	
17.40	18.03		Pink, massive granite porphyry cut by white quartz veinlets with minor amethyst. Disseminated pyrite 3-5%.	1929	29.45	30.70	1.25	49	0.2	22	80	
				1930	30.70	32.00	1.30	34	0.6	511	115	
				1931	32.00	32.72	0.72	33	0.3	32	77	
				1932	32.72	33.35	0.63	135	1.5	1440	116	
18.03	20.65		Andesite, dark and light green, massive, highly fractured. Fractures filled with quartz and calcite, local epidote rich sections, disseminated and veinlet pyrite 15%, minor chalcopyrite.	1933	33.35	34.14	0.79	115	0.9	520	88	
				1934	34.14	35.20	1.06	50	0.3	55	77	
				1935	35.20	36.30	1.10	28	0.2	17	134	
				1936	36.30	37.03	0.73	41	0.2	23	98	
				1937	37.03	37.93	0.90	52	0.3	10	134	
				1938	37.93	38.37	0.44	29	0.1	6	114	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 2 OF 4
HOLE NO. : DDH 7	LAT. : 0+76 S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: August 5, 1986	DEP. : 5+76 E	SURVEY AT :	DATE : August 7, 1986
COMPLETED: August 7, 1986	ELEV. : 1,611.71 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 81.69m	UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
20.65	26.62		Green, massive, medium grained andesite, from 20.65-20.73m, bleached zone. White quartz veinlets 1-5mm wide cutting the rock at various angles fom 30-75° to the core axis.	1939	38.37	38.80	0.43	31	0.3	19	117	
				1940	38.80	39.75	0.95	46	0.2	11	131	
				1941	39.75	40.80	1.05	50	0.5	32	94	
				1942	40.80	42.06	1.26	170	0.2	32	92	
				1943	42.06	43.32	1.26	60	0.1	48	83	
				1944	43.32	44.00	0.68	105	0.5	329	108	
26.62	30.70		Light grey diorite porphyry, plagioclase phenocrysts to 5mm. length, disseminated pyrite 5-8%.	1945	44.00	44.90	0.90	75	0.5	434	97	
				1946	44.90	46.18	1.28	95	0.9	747	105	
				1947	46.18	47.60	1.42	105	0.5	482	90	
				1948	47.60	48.15	0.55	70	0.5	346	128	
30.70	35.50		Diorite porphyry as above, minor disseminated pyrite.	1949	48.15	49.22	1.07	80	0.2	69	106	
				1950	49.22	50.23	1.01	60	0.4	229	115	
				1951	50.23	50.90	0.67	75	1.0	940	129	
35.50	38.40		Andesite, dark green, massive, medium grained, disseminated pyrite 3-5%.	1952	50.90	52.58	1.68	70	0.7	670	79	
				1953	52.58	54.25	1.67	6	0.1	11	45	
				1954	64.72	65.80	1.08	5	0.1	12	42	
38.40	38.90		Andesite, as above, cut by white quartz vein, specks of pyrite & minor chalcopryite. Sulphides 5%.	1955	65.80	68.31	2.51	35	0.3	274	124	
				1956	68.31	68.88	0.57	70	0.8	577	89	
				1957	68.88	69.50	0.62	120	0.6	296	98	
				1958	69.50	70.20	0.70	27	0.6	367	119	
38.90	46.38		Andesite, dark green, massive, disseminated sulphides, pyrite and chalcopryite, avg. 3-5% occassional sections of bleached volcanic.	1959	70.20	70.70	0.50	30	0.3	50	134	
				1960	70.70	70.87	0.17	42	0.3	246	95	
				1961	70.87	71.62	0.75	60	0.9	716	125	
				1962	71.62	72.87	1.25	31	0.4	192	107	
				1963	72.87	73.61	0.74	30	0.3	192	73	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 1 OF 4
HOLE NO. : DDH 8 LAT. : 0+62 S TRUE BRG : 045° LOGGED BY : R. Pesalj
COMMENCED: August 8, 1986 DEP. : 6+69 E SURVEY AT : DATE : August 11, 1986
COMPLETED: August 10, 1986 ELEV. : 1,617.49 m % RECOVERY : 100% CORE STORED : Camp
OBJECTIVE: CORE SIZE: BQ LENGTH : 117.35m UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	5.49		Overburden, blocks of diorite porphyry with rusty weathered surfaces, casing.	1970	15.24	16.39	1.15	50	0.2	5	23	
				1971	16.39	17.68	1.29	19	0.1	3	31	
				1972	32.37	32.86	0.49	43	0.2	6	51	
5.49	15.24		Diorite porphyry, grey, locally rusty weathered, minor disseminated fine grained pyrite. The unit consists of plagioclase rich groundmass and large phenocrysts of white plagioclase to 5mm length.	1973	35.63	36.80	1.17	70	0.1	11	49	
				1974	36.80	37.60	0.80	42	0.1	22	49	
				1975	37.60	38.24	0.64	43	0.1	10	18	
				1976	38.24	39.01	0.77	2050	1.1	15	17	0.055
				1977	39.01	39.71	0.70	185	4.0	9	21	
				1978	39.71	40.41	0.70	22	0.2	160	120	
				1979	40.41	41.11	0.70	15	0.2	114	117	
15.24	20.20		Granite porphyry, pink and green, chloritic, occasional veinlets of pyrite and narrow sections of disseminated pyrite, few quartz veinlets 5mm wide at low angles to core axis.	1980	41.11	43.58	2.47	10	0.1	13	42	
				1981	43.58	45.16	1.58	13	0.1	5	39	
				1982	56.29	57.00	0.71	70	0.3	12	107	
				1983	57.00	58.21	1.21	23	0.1	48	123	
				1984	58.21	59.10	0.89	395	0.8	112	111	
				1985	59.10	59.59	0.49	15	0.1	39	133	
20.20	23.34		Diorite porphyry, grey and pink, local hematitic alteration along the fractures, trace disseminated pyrite.	1986	59.59	59.96	0.37	22	0.3	69	129	
				1987	63.25	64.50	1.25	23	0.1	4	19	
				1988	83.21	84.43	1.22	25	0.1	6	29	
				1989	97.50	98.75	1.25	16	0.1	17	117	
23.34	38.24		Diorite porphyry, light grey, quartz eyes to 3mm, bleached, local hematite alteration, trace disseminated pyrite.	1990	98.75	99.85	1.10	14	0.1	33	119	
				1991	99.85	100.95	1.10	22	0.2	11	120	
				1992	100.95	101.95	1.00	340	0.2	15	128	
			From 35.63-38.24 pyrite content 3-5%.	1993	101.95	102.78	0.83	28	0.2	9	106	
				1994	102.78	103.63	0.85	30	0.2	25	153	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 1 OF 6
HOLE NO. : DDH 9	LAT. : 0+59 S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: August 10, 1986	DEP. : 7+37 E	SURVEY AT :	DATE : August 13, 1986
COMPLETED: August 13, 1986	ELEV. : 1,621.08 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 115.21m	UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	3.96		Overburden, boulders of andesitic volcanic, casing.	6004	16.76	18.29	1.53	16	0.2	22	181	
				6005	18.29	19.81	1.52	95	0.7	113	176	
				6006	19.81	20.45	0.64	185	1.0	342	114	
3.96	19.81		Andesite, dark green, massive, fine grained, badly broken, blocky ground, local epidote alteration, shearing at 40° to core axis.	6007	20.45	21.10	0.65	95	0.5	324	191	
				6008	21.10	21.49	0.39	590	0.7	117	198	0.017
				6009	21.49	22.29	0.80	4990	5.4	56	193	0.156
				6010	22.29	23.30	1.01	17	0.1	74	179	
				6011	23.30	24.26	0.96	9	0.2	9	192	
19.81	21.10		Andesite, as above to 19.81m with quartz flooding, veinlets and highly saturated quartz vein material	6012	24.26	25.60	1.34	25	0.2	17	222	
				6013	25.60	27.10	1.50	7	0.2	95	204	
				6014	27.10	28.51	1.41	14	0.3	13	196	
				6015	28.51	30.56	2.05	2	0.1	81	209	
				6016	30.56	31.97	1.41	3	0.1	17	145	
				6017	31.97	32.92	0.95	850	1.1	63	126	
				6018	32.92	33.70	0.78	80	0.5	166	140	
21.10	21.49		Andesite, dark green, massive, fine grained, disseminated and minor veinlet pyrite 5%, minor grey quartz veinlets to 3mm across.	6019	36.30	37.00	0.70	630	1.4	175	61	
				6020	37.00	37.90	0.90	130	0.9	139	128	
				6021	37.90	39.30	1.40	23	0.7	170	143	
				6022	77.72	79.25	1.53	9	0.1	9	66	
				6023	79.25	79.45	0.20	15	0.5	74	225	
21.49	22.29		Andesite as above to 21.49m cut by white coarse grained quartz vein with coarse grained pyrite and few grains of galena. The vein cuts andesite at low angle on along the core.	6024	79.45	80.13	0.68	11	0.6	75	189	
				6025	80.13	80.57	0.44	8	0.5	93	165	
				6026	80.57	81.60	1.03	7	0.3	117	152	
				6027	81.60	83.30	1.70	6	0.2	165	143	
				6028	83.30	84.43	1.13	17	0.4	26	146	
				6029	84.43	85.15	0.72	15	0.3	16	146	
22.29	31.97		Andesite as above to 21.49m.	6030	85.15	86.87	1.72	22	0.1	14	180	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 1 OF 9
HOLE NO. : DDH 10	LAT. : 0+45 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 10, 1986	DEP. : 8+16 E	SURVEY AT :	DATE : August 18, 1986
COMPLETED: August 17, 1986	ELEV. : 1,614.51 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 99.91m	UNUSUAL FEAT.:
	ACID TESTS: 45.72m -56.5°		
	99.91m -54°		

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
0.00	3.66		Casing.											
3.66	24.2		Andesite - dark green; veinlets and small concentrations (to 5cm across) of apple green epidote; porphyritic small clasts to 2mm; occasional clasts altered to epidote; reaction to acid; occasional calcite veinlets @ 20° core angle.	6061	3.66	6.71	3.05	110	0.6	375	207			
			3.66 to 6.71m - 1% diss. ppy and occasional thin 1mm py veinlets; occasional 5cm sections of 3% diss.; Py.											
			6.71 to 8.84m = trace Py occasional 5cm sections of 0.5% diss. Py.	6062	6.71	8.84	2.13	14	0.2	83	211			
			8.84 to 10.26m - core is very broken up hematite along fractures, 1% diss. Py, minor Kspar alteration 10.26 to 10.36m - silicified? 5% diss. Py.	6063	8.84	10.26	1.42	680	2.4	623	250			
			10.36 to 13.0m - 1% to 3% diss. Py minor epidote - Py veinlets.	6064	10.26	10.68	0.42	70	0.6	114	261			
				6065	10.68	13.00	2.32	60	0.6	505	206			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 2 OF 9
HOLE NO. : DDH 10 LAT. : 0+45 S TRUE BRG : 045° LOGGED BY : D. Gorc
COMMENCED: August 10, 1986 DEP. : 8+16 E SURVEY AT : DATE : August 18, 1986
COMPLETED: August 17, 1986 ELEV. : 1,614.51 m % RECOVERY : CORE STORED : At campsite
OBJECTIVE: CORE SIZE: BQ LENGTH : 99.91m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			13.0 to 13.2 - qtz veins 3% diss. Py minor silica; moderate epidote, some pinkish Kspar alteration.	6066	13.00	13.8	0.8	2,230	1.8	257	129	0.069
				6457	13.8	15.3	1.5	3	0.1	132	138	
			13.4 - 13.5 - quartz vein 5% diss. Py @ 80° core angle.									
			13.4 to 13.8m - core very broken up. Note: Occasional hematite stained fractures; occasional calcite-hematite veinlets @ 25° core angle.									
			13.8 to 15.86m - trace pyrite; epidote alteration still present.	6458	15.3	15.76	0.46	7	0.2	239	140	
			15.86 to 15.96m - intense epidote and pinkish Kspar alteration; 36 diss. Py.	6067	15.76	16.11	0.35	17	0.2	52	204	
			16.8 to 17.0m - high epidote and pink- ish Kspar alteration; 3% diss. Py.	6068	16.76	17.37	0.61	44	0.4	35	107	
			17.97m - 1cm thick calcite-hematite veinlet @ 20° core angle.	6069	17.37	18.20	0.83	21	0.2	80	214	
			18.2 to 18.7m - strong epodite alter- ation; thin calcite-hematite veinlets @ 30° core angle.	6070	18.20	18.90	0.5	110	0.6	47	150	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 4 OF 9
HOLE NO. : DDH 10	LAT. : 0+45 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 10, 1986	DEP. : 8+16 E	SURVEY AT :	DATE : August 18, 1986
COMPLETED: August 17, 1986	ELEV. : 1.614/51 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 99.91m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			26.0 to 26.2m - dark green, moderate epidote; 1% diss. Py; reaction to magnet.											
			26.15 to 26.2m - silicified?											
			26.3m start of thin zones of Kspar alteration.											
			26.6 to 26.7 - intense epidote alteration patches of Kspar alteration? 3 - 0.5cm quartz veinlets with trace chalcopryrite; some silica cementing brecciated andesite.											
			27.0 to 27.6m - trace Py.	6075	27.0	27.6	0.6	190	0.5	83	195			
			27.6 to 28.65m - 0.5% diss. Py with a few 5cm sections containing 3% diss. Py and high epidote.	6076	27.6	28.65	1.05	14	0.1	29	195			
			28.45 to 28.65m - abundant calcite-hematite veinlets to 2mm.											
			28.65 to 29.67m - 1-2% diss. Py, occasional calcite-hematite veinlets @ 20° core angle; epidote veinlets.	6077	28.65	29.67	1.02	30	0.5	143	160			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 5 OF 9
HOLE NO. : DDH 10	LAT. : 0+45 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 10, 1986	DEP. : 8+16 E	SURVEY AT :	DATE : August 18, 1986
COMPLETED: August 17, 1986	ELEV. : 1,614.51 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 99.91m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			31.41m - 1cm calcite veins @ 40° core angle.											
			31.45m - some pinkish Kspar alteration?											
			31.8m - 1cm calcite-quartz veins @ 50° core angle; 5cm of high epidote on either side.											
			31.3 to 32.61 - 1% diss. Py.	6078	31.3	32.61	1.31	210	0.7	212	124			
			32.41m - 0.5cm calcite-hematite vein @ 25° core angle.											
			32.61-33.68m - 0.5% to 2% diss. Py calcite-hematite veinlets @ 15-20° core angle.	6079	32.61	33.68	1.07	135	0.4	17	182			
			32.88 to 33.38m - very fine grained.											
			34.97 to 35.07m - banded calcite vein @ 15° core angle; minor Py.											
			35.47 to 38.5m - black very fine grained; abundant; irregular calcite veinlets; slightly brecciated; minor hematite along fractures.	6080	36.57	37.8	1.23	50	0.5	140	161			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 6 OF 9
HOLE NO. : DDH 10	LAT. : 0+45 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 10, 1986	DEP. : 8+16 E	SURVEY AT :	DATE : August 18, 1986
COMPLETED: August 17, 1986	ELEV. : 1,614.51 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 99.91m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			36.57 to 37.8m - 1-2% diss. Py.											
			39.00 to 41.24m - 0.5% to 2% diss. epidote associated with Py.	6081	39.00	41.24	2.24	34	0.6	354	149			
			40.64m - 2 quartz veins (0.5cm) @ 30° core angle.											
			41.24 to 44.81m - 0.5% to 1% diss. Py and fracture Py.	6082	41.24	43.28	2.04	31	0.4	225	136			
				6083	43.28	44.81	1.53	10	0.5	223	152			
	44.81													
44.81	48.04		Granite Porphyry. Medium grey, fine grained matrix; pink feldspar and lesser quartz, phenos. to 0.5cm; some 5cm wide Kspar envelopes adjacent to some fractures; no sericite alteration; minor calcite-hematite veinlets; lower contact sharp @ 60° core angle; no alteration along contact.	6084	44.81	46.84	2.03	2	0.1	15	50			
				6085	46.84	48.04	1.2	1	0.2	15	54			
48.04	54.25		Andesite - porphyritic; clasts to 2mm; cut by epidote and calcite-hematite veinlets; dark green; 3% diss. Py.	6086	48.04	49.09	1.05	16	0.4	36	112			
			49.10 to 49.4m - abundant thin quartz	6087	49.09	49.99	0.9	14	0.5	85	115			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 7 OF 9
HOLE NO. : DDH 10	LAT. : 0+45 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 10, 1986	DEP. : 8+16 E	SURVEY AT :	DATE : August 18, 1986
COMPLETED: August 17, 1986	ELEV. : 1,614.51 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 99.91m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			calcite veins.											
			49.99 to 52.73m - trace Py.	6088	49.99	52.73	2.74	5	0.3	16	93			
			52.73 to 54.25m - trace Py; abundant calcite-hematite veinlets.	6089	52.73	54.25	1.52	3	0.3	96	105			
54.25	54.65		Granite Porphyry. Grey matrix, locally brownish tinge; pheno's of white feldspar to 0.5cm; occasional feldspar phenos altered to sericite; some quartz phenos to 0.5cm; trace, Py.	6090	54.25	54.95	0.7	1	0.2	5	81			
54.65	54.95		Andesite -											
54.95	60.75		Granite porphyry. Identical to 54.25 to 54.65 - occasional pinkish Kspar alteration, occasional pale brown bleaching; trace Py.	6091	54.95	56.38	1.43	1	0.1	49	45			
				6092	56.38	58.21	1.83	1	0.1	19	45			
				6093	58.21	59.40	1.19	1	0.2	10	49			
				6094	59.40	60.75	1.35	2	0.2	10	53			
60.75	78.94		Andesite - fine grained porphyry, clasts to 2mm; abundant calcite veinlets; patchy epidote alteration; abundant epidote veinlets.	6095	60.75	62.05	1.30	13	0.4	34	147			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 2 OF 10
HOLE NO. : DDH 11	LAT. : 0+76 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 17, 1986	DEP. : 1+47 E	SURVEY AT :	DATE : August 20, 1986
COMPLETED: August 20, 1986	ELEV. : 1,609.87 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 117.65m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			Veinlets @ 20° to 80° core angle.											
			Rare brownish grey bleaching along some veinlets.											
			6.59 to 8.53m - 1% to 3% diss. Py most sections are 3%, minor diss. hematite.	6107	6.60	8.53	1.93	40	0.4	172	135			
			8.53 to 9.83m - trace Py; minor Py, chalco along veinlets.	6108	8.53	9.83	1.3	38	0.7	284	137			
			9.83 to 10.83m - 1 to 3% diss. Py.	6109	9.83	10.83	1.0	90	0.3	230	170			
			10.83 to 11.00m - brecciated infilling by silica - 3% diss. Py in quartz.	6110	10.83	11.00	0.17	210	1.9	2,157	123			
			11.00m to 13.11m - 2-3% diss. Py.	6111	11.00	12.18	1.18	210	0.1	9	149			
				6112	12.18	13.11	0.93	110	0.1	11	81			
			13.11 to 14.00m - 0.5% diss. Py.	6113	13.11	14.00	0.89	24	0.3	13	141			
			14.00 to 14.63m - intense epidote alteration 2% diss. Py; broken core @ 14.63m, small fault?	6114	14.00	14.63	0.63	32	0.1	15	86			
			14.63 to 16.25m - trace Py; pred. along veinlets.	6115	14.63	16.25	1.62	35	0.4	173	127			
			16.25 to 19.25m - trace Py; still	6116	19.25	20.73	1.48	210	0.1	43	143			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 3 OF 10
HOLE NO. : DDH 11	LAT. : 0+76 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 17, 1986	DEP. : 1+47 E	SURVEY AT :	DATE : August 20, 1986
COMPLETED: August 20, 1986	ELEV. : 1,609.87 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 117.65m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			abundant calcite veinlets, minor qtz veinlets; occasional Py along veinlets											
			19.25m - beginning to get increasing greyish to greyish green bleaching along veinlets; occasional silica alongside veinlets; veinlets are pred. calcite-hematite; minor Py.											
			Rock has fractured appearance; approx. 100 veinlets per metre; all orientations; all less than 2mm thick. -3% diss. Py.	6117	20.73	22.13	1.40	50	0.2	64	103			
			23.47 to 23.52m - dike or quartz diorite porphyry.	6118	22.13	23.77	1.64	125	0.2	16	136			
			22.87 to 23.07m - dike of quartz diorite porphyry contact @ 20° core angle.	6119	23.77	25.87	2.1	220	0.3	114	135			
25.77	27.47		Quartz Diorite Porphyry - light brown to light brownish grey matrix; very fine gr. matrix; phenos are small 1-2mm across; feldspar and hornblende? minor sericite alteration; some	6120	25.87	27.5	1.63	40	0.5	26	130			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 4 OF 10
HOLE NO. : DDH 11	LAT. : 0+76 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 17, 1986	DEP. : 1+47 E	SURVEY AT :	DATE : August 20, 1986
COMPLETED: August 20, 1986	ELEV. : 1,609.87 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 117.65m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			chlorite alteration of mafic minerals; trace Py; a few brecciated zones to 5cm with silica and 3% diss. Py. Lower contact @ 25° core angle.											
27.47	28.87		Brecciated Diorite Porphyry - greenish grey to light grey matrix; calcite, calcite-hematite and calcite-quartz veinlets; 1-3% diss. Py, minor diss. hematite.	6121	27.5	28.87	1.37	37	0.3	58	167			
28.87	29.27		Quartz-Diorite Porphyry - same as above.	6122	28.87	29.27	0.40	4	0.3	16	114			
29.27	30.72		Brecciated Diorite Porphyry - very high hematite alteration 1-3% diss. Py; bright red 29.87m - small fault.	6123	29.27	30.72	1.45	16	0.1	5	122			
30.72	32.72		Quartz Diorite Porphyry - chilled margin (20 cm); fractured cut by hematite veinlets, minor specular hematite; light grey matrix; feldspar phenos to 0.25cm trace diss. Py.	6124	30.72	32.72	2.0	13	0.4	92	131			
32.72	34.24		Brecciated Diorite - light grey to medium grey matrix; abundant irregular quartz-calcite and quartz veinlets 1-2% diss. Py; 1% diss. hematite.	6125	32.72	34.24	1.52	17	0.3	22	187			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 5 OF 10
 HOLE NO. : DDH 11 LAT. : 0+76 S TRUE BRG : 045° LOGGED BY : D. Gorc
 COMMENCED: August 17, 1986 DEP. : 1+47 E SURVEY AT : DATE : August 20, 1986
 COMPLETED: August 20, 1986 ELEV. : 1,609.87 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 117.65m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis					
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)	
34.24	35.47		Andesite - dark green, fine grained; abundant calcite veinlets lesser qtz veinlets; thin brownish bleaching to 0.5cm along veinlets; no epidote; 1-3% diss. Py.	6126	34.24	35.47	1.23	18	0.2	7	157		
35.47	50.67		Brecciated Diorite - mottled light grey, brownish grey and dark green coloration; occasional clasts of andesite? to 10cm. Abundant calcite, calcite-hematite and calcite-quartz veinlets; minor calcite-hematite veinlets; 1-3% diss. Py, prd. 3% Py; 10-20cm sections chloritized dark green.	6127	35.47	37.00	1.53	42	0.3	25	130		
				6128	37.00	38.5	1.50	58	0.1	5	141		
				6129	38.5	39.8	1.3	20	0.2	4	168		
			42.26m - 2cm quartz vein with Py @ 20° core angle.	6130	39.8	42.06	2.26	65	0.2	14	138		
			45.6m - jasper veinlet.	6131	42.06	44.0	1.94	70	0.4	55	125		
				6132	44.0	45.11	1.11	18	0.1	37	182		
				6133	45.11	46.91	1.80	22	0.1	15	159		
			Note: occasional hematite veinlets; rare small patches of hematite.	6134	46.91	48.11	1.2	27	0.2	21	178		
				6135	48.11	49.61	1.5	29	0.2	10	192		
				6136	49.61	50.67	1.06	38	0.2	43	178		
50.67	54.32		Brecciated Andesite - fine grained	6137	50.67	52.60	1.93	25	0.1	38	129		

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 6 OF 10
HOLE NO. : DDH 11	LAT. : 0+76 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 17, 1986	DEP. : 1+47 E	SURVEY AT :	DATE : August 20, 1986
COMPLETED: August 20, 1986	ELEV. : 1,609.87 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 117.65m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			matrix; medium to dark grey matrix; angular breccia-clasts 0.5cm to 3cm across, clasts of intrusive porphyry; no epidote; minor hematite veinlets, abundant calcite-qtz veinlets, some with pyrite; light grey bleaching alongside many veinlets. Minor silicification locally; 1-3% diss. Py and veinlet Py; 1% diss. hematite and start of intense sericite alteration.	6138	52.60	54.32	1.72	190	0.2	10	106	
54.32	56.60		Brecciated Diorite Porphyry - inter-mixed dark green, brown and light grey original texture largely obliterated, some greyish bleaching.	6139	54.32	55.62	1.30	115	0.5	298	98	
				6140	55.62	56.60	0.98	12	0.1	21	98	
56.60	58.63		Brecciated Andesite - fine grained; 1-3% diss. Py; 57.4m - dikelet of qtz diorite porphyry.	6141	56.60	58.63	2.03	13	0.2	2	111	
58.63	68.34		Diorite Porphyry - light grey matrix feldspar phenos. to 5mm. 1-3% diss. Py, sericite alteration.									
			58.63 to 60.2m - brecciated 1-3% diss. Py.	6142	58.63	60.2	1.57	24	0.2	110	134	
				6143	60.2	60.7	0.50	38	0.5	255	176	
			60.7 to 60.96m - fault, gouge.	6144	60.7	60.96	0.26	150	0.4	93	143	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 7 OF 10
HOLE NO. : DDH 11	LAT. : 0+76 S	TRUE BRG : -045°	LOGGED BY : D. Gorc
COMMENCED: August 17, 1986	DEP. : 1+47 E	SURVEY AT :	DATE : August 20, 1986
COMPLETED: August 20, 1986	ELEV. : 1,609.87 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 117.65m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			60.96 to 64.92m - intense brecciation; strong chlorite and/or sericite alteration; patchy hematite alteration; 1-3% diss. Py.	6145	60.96	63.09	2.63	37	0.1	126	122	
				6146	63.09	64.92	1.83	51	0.2	208	89	
			64.92 to 68.34m - major fault; rock very soft, highly weathered; 3-5% diss. Py.	6147	64.92	67.36	2.44	55	0.2	113	92	
				6148	67.36	68.34	0.98	135	0.3	197	87	
68.34	71.24		Andesite - porphyritic, dark green; occasional pale brown bleaching, bleaching along some veinlets - occasional selvages of hematite along side some veinlets; within first metre there are several dikelets of intrusive porphyry 1cm to 20cm thick; 5% diss. Py; trace epidote; minor sericite alteration.	6149	68.34	69.34	1.0	295	0.2	164	96	
				6150	69.34	71.24	1.9	155	0.2	144	83	
			69.0 to 69.2 - intrusive porphyry dyke.									
71.24	72.7		Altered Granite Porphyry - very soft clasts of andesite to 4cm, strong sericite alteration pinkish brown coloration; 3-5% diss. Py; contact @ 40° core angle.	6151	71.24	72.7	1.46	60	0.2	10	57	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 9 OF 10
HOLE NO. : DDH 11 LAT. : 0+76 S TRUE BRG : 045° LOGGED BY : D. Gorc
COMMENCED: August 17, 1986 DEP. : 1+47 E SURVEY AT : DATE : August 20, 1986
COMPLETED: August 20, 1986 ELEV. : 1,609.87 m % RECOVERY : CORE STORED : At campsite
OBJECTIVE: CORE SIZE: BQ LENGTH : 117.65m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			Minimal alteration 78.0-79.5m.											
90.83	94.38		Granite Porphyry - quartz eyes 1-3% diss. Py; 0.5% magnetite?	6166	90.83	92.00	1.17	16	0.1	8	43			
				6167	92.00	94.38	2.38	90	0.2	32	47			
94.38	100.0		Diorite Porphyry - Similar to previous diorite porphyry except that increas- ing lengths of core has dark green chloritic matrix; 1-3% diss. Py.	6168	94.38	96.43	2.05	60	0.1	127	74			
				6169	96.43	97.8	1.37	36	0.1	133	86			
				6170	97.8	99.3	1.5	115	0.3	270	93			
			96.8m - start to note hematite vein- lets; minor number.	6171	99.3	100.0	0.7	125	0.4	256	76			
100.0	104.1		Granite Porphyry - brownish grey to pale brown matrix; large feldspar phenos to 1cm; occasional pinkish tinge due to Kspar alteration; very minor; 1-2% diss. Py.	6172	100.0	101.0	1.0	42	0.1	81	39			
				6173	101.0	102.7	1.7	22	0.1	78	33			
			Note: clasts of diorite porphyry to 10cm across.											
			102.7 to 104.1m - sheared; abundant chlorite and/or quartz veinlets.	6174	102.7	104.1	1.4	95	0.2	179	66			
104.1	110.1		Quartz Monzonite Dyke - fine grained; light to dark grey mottled appearance; small phenos to 1mm; 25% mafics in	6175	104.1	106.07	1.97	210	2.3	1,166	119			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 1 OF 12
HOLE NO. : DDH 12	LAT. : 0+98 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 21, 1986	DEP. : 1+96 E	SURVEY AT :	DATE : August 26, 1986
COMPLETED: August 25, 1986	ELEV. : 1,622.16 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 191.41m	UNUSUAL FEAT.:
	ACID TESTS: 40.54m -55°		
	112.17m -52°		
	164.6m - 51°		

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
0.00	5.49		Casing.											
5.49	11.58		Diorite Porphyry - brecciated, highly fractured; cut by abundant quartz veinlets at all angles; most @ 15-20° core angle; occasional Py along quartz veinlets; medium grey sericite bleaching; minor hematite alteration; iron stained fractures to 13.0 m; trace diss. Py.	6181	5.49	6.49	1.0	4	0.1	111	181			
			6.49 to 6.79m - quartz vein with Py; banded appearance; some hematite horizons.	6182	6.49	6.79	0.3	710	0.6	152	141			
			6.79m - start of 3-5% diss. Py and Py along quartz veinlets.	6183	6.79	8.93	2.14	65	0.1	77	123			
				6184	8.93	10.06	1.13	90	0.2	93	144			
				6185	10.06	11.58	1.52	105	0.2	110	134			
11.58	18.59		Granite Porphyry - quartz eyes; irregular mottled colouration; dark green, medium grey, pinkish; brecciated; 3-5% diss. Py; chloritization, brecciation has obliterated much of the original texture;	6186	11.58	13.44	1.86	38	0.1	161	105			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 2 OF 12
 HOLE NO. : DDH 12 LAT. : 0+98 S TRUE BRG : 045° LOGGED BY : D. Gorc
 COMMENCED: August 21, 1986 DEP. : 1+96 E SURVEY AT : DATE : August 26, 1986
 COMPLETED: August 25, 1986 ELEV. : 1,622.16 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 191.41m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			numerous quartz veinlets.											
			13.83m - brecciated, highly fractured, moderate sericite alteration; light grey matrix; 3% diss. Py.	6187	13.44	14.73	1.29	90	0.2	82	93			
				6188	14.73	16.76	2.03	36	0.2	117	102			
			16.86m - 17.36m - chlorite-calcite shear @ 40° core angle.	6189	16.76	17.36	0.6	185	0.3	91	100			
				6190	17.36	18.59	1.23	43	0.1	28	88			
18.59	42.00		Altered Granite Porphyry - intense sericite alteration; much of original texture obliterated; light grey matrix; no epidote, no hematite.	6191	18.59	19.59	1.0	7	0.1	5	36			
				6192	19.59	21.00	1.41	19	0.2	5	33			
				6193	21.00	22.5	1.5	10	0.1	5	41			
				6194	22.5	23.77	1.27	75	0.1	11	48			
				6195	23.77	25.00	1.23	13	0.1	4	54			
			27.0 to 27.1m - chlorite shear @ 40° core angle.	6196	25.00	26.45	1.45	6	0.1	4	90			
				6197	26.45	27.00	0.55	5	0.1	164	103			
				6198	27.0	27.2	0.2	15	0.4	644	140			
			28.0m - 1% diss. Py.	6199	27.2	27.9	0.7	15	0.1	171	77			
				6200	27.9	29.26	1.36	55	0.1	10	56			
			29.26m - gouge-small fault.	6201	29.26	31.34	2.08	10	0.1	6	44			
			31.34m - gouge, small fault, some small chlorite shears @ 20° core angle	6203	31.34	32.5	1.16	6	0.1	21	28			
				6204	32.5	34.0	1.5	8	0.1	18	21			
			34.0 to 35.97m - brecciated; some chlorite seams along breccia fragments; intense sericite alteration 1%	6205	34.0	35.5	1.5	37	0.2	266	43			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 3 OF 12
HOLE NO. : DDH 12 LAT. : 0+98 S TRUE BRG : 045° LOGGED BY : D. Gorc
COMMENCED: August 21, 1986 DEP. : 1+96 E SURVEY AT : DATE : August 26, 1986
COMPLETED: August 25, 1986 ELEV. : 1,622.16 m % RECOVERY : CORE STORED : At campsite
OBJECTIVE: CORE SIZE: BQ LENGTH : 191.41m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			diss. Py.											
			35.97 to 28.8m - increasing fracturing	6206	35.5	36.97	1.47	20	0.2	240	59			
			towards 38.8; moderate sericite alteration; abundant dark green chlorite fractures; slightly magnetic; patches of brownish red colouration to 5cm; 1-3% diss. Py.	6207	36.97	38.80	1.83	14	0.1	83	59			
			38.8 to 42.0m - intense fracturing; intense sericitization; 1-3% diss. Py	6208	38.8	39.8	1.0	53	0.4	581	72			
				6209	39.8	41.35	1.55	10	0.1	42	66			
				6210	41.35	42.00	0.65	20	0.1	48	71			
42.00	48.16		Andesite - fine grained; dark green; slightly magnetic; minor quartz veinlets; 5% diss.	6211	42.0	42.5	0.5	46	0.5	229	185			
				6212	42.5	43.0	0.5	65	0.4	196	203			
			43.00 to 43.4m - 10-15% diss. Py.	6213	43.0	43.4	0.4	95	1.0	582	216			
			43.4 to 44.65m - 5% diss. Py.	6214	43.4	44.65	1.25	110	1.5	1,115	115			
			44.65 to 48.16m - 3-5% diss.	6215	44.65	45.75	1.10	35	0.5	235	138			
				6216	45.75	46.79	1.04	18	0.3	152	155			
			48.16m - 2(1cm) qtz veinlets @ 50° core angle; minor Py.	6217	46.79	48.16	1.37	36	0.5	338	129			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 4 OF 12
 HOLE NO. : DDH 12 LAT. : 0+98 S TRUE BRG : 045° LOGGED BY : D. Gorc
 COMMENCED: August 21, 1986 DEP. : 1+96 E SURVEY AT : DATE : August 26, 1986
 COMPLETED: August 25, 1986 ELEV. : 1,622.16 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 191.41m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis					
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)	
48.16	50.00		Altered Granite Porphyry - fault zone; core very broken up; intense sericite alteration; 1-3% diss. Py; shearing? @ 20° core angle; quartz eyes; possibly quartz diorite porphyry.	6218	48.16	48.77	0.61	38	0.4	347	59		
				6219	48.77	50.00	1.23	39	0.1	65	69		
50.00	51.46		Granite Porphyry - medium grey matrix; fine porphyry; white feldspar phenos to 1mm; quartz phenos to 5mm; 3-5% diss. Py.	6220	50.00	51.46	1.46	65	0.3	94	110		
51.46	52.76		Andesite - fine porphyry, dark green, trace epidote; minor thin calcite veinlets; 3-5% diss. Py.	6221	51.46	52.76	1.3	85	0.3	167	172		
52.76	59.33		Andesite - dark green, very fine grained matrix; no phenos clasts; sharp contact @ 40° core angle; trace Py.	6222	52.76	53.5	0.74	4	0.1	80	156		
			53.5m - core becomes moderately fractured; occasional chlorite fracture infilling; 1-3% diss. Py.	6223	53.5	54.71	1.21	18	0.3	241	178		
				6224	54.71	55.71	1.0	22	0.4	237	125		
				6225	55.71	56.30	0.59	35	0.3	160	91		
			56.3 to 56.7m - brecciated zone, contains 2cm quartz-Py vein @ 40°	6226	56.3	56.7	0.40	1,500	2.8	4,373	135	0.046	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 5 OF 12
HOLE NO. : DDH 12	LAT. : 0+98 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 21, 1986	DEP. : 1+96 E	SURVEY AT :	DATE : August 26, 1986
COMPLETED: August 25, 1986	ELEV. : 1,622.16 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 191.41m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			core angle; 5% diss. Py.											
			56.7 to 58.0m - 5% diss. Py.	6227	56.7	58.0	1.3	80	0.3	78	225			
			58.0 to 58.4m - chlorite-calcite shear @ 60° core angle; 3% diss. Py.	6228	58.0	58.4	0.4	65	0.4	93	184			
				6229	58.4	59.33	0.93	10	0.3	93	252			
			Note: occasional greyish bleaching.											
59.33	69.5		Altered Granite Porphyry - intense sericite alteration; medium dark green occasional patches with brownish tinge original texture largely obliterated; cut by 4 bluish quartz veinlets per metre; quartz veinlets 2mm to 2cm thick with minor Py; moderately fractured.	6230	59.33	60.90	1.57	17	0.1	25	60			
				6231	60.90	62.31	0.97	17	0.1	38	66			
			61.87 to 62.87m - quartz veinlets @ 0° to 5° core angle.	6232	61.87	62.87	1.0	38	1.8	241	160			
				6233	62.87	64.0	1.13	55	0.8	144	75			
			59.33 to 60.90m - 3-5% diss. Py.	6234	64.0	65.14	1.14	200	1.1	321	55			
			60.90m - start of 5% diss. Py.	6235	65.14	66.00	0.86	160	1.3	354	137			
			66.0 to 66.5m - 10% diss. Py minor	6236	66.0	66.5	0.5	780	5.4	3,676	624			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 6 OF 12
HOLE NO. : DDH 12	LAT. : 0+98 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 21, 1986	DEP. : 1+96 E	SURVEY AT :	DATE : August 26, 1986
COMPLETED: August 25, 1986	ELEV. : 1,622.16 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 191.41m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			chalco.											
				6237	66.5	67.2	0.7	140	1.7	500	153			
				6238	67.2	69.5	2.3	35	0.2	20	145			
69.5	88.9		Brecciated Diorite - medium dark grey matrix, angular clasts of altered, diorite to 5cm across; occasional clasts of granite porphyry; cut by minor number of veinlets; 10-15 calcite veinlets per metre; minor qtz veinlets; occasional patches of reddish brown alteration Kspar??; 5-7% diss. Py.	6239	69.5	71.0	1.5	60	0.2	15	99			
				6240	71.0	72.0	1.0	135	0.2	18	96			
				6241	72.0	73.76	1.76	90	0.2	15	104			
				6242	73.76	74.7	0.94	70	0.2	33	117			
				6243	74.7	76.1	1.40	110	0.2	38	104			
				6244	76.1	78.03	1.93	260	0.2	61	106			
				6245	78.03	79.2	1.17	18	0.1	11	95			
				6246	79.2	80.47	1.27	35	0.3	307	103			
				6247	80.47	81.87	1.4	75	0.2	44	83			
				6248	81.87	83.40	1.53	460	0.5	19	72			
				6249	83.40	85.04	1.64	490	0.9	17	72			
			85.84m - very broken core, small fault	6250	85.04	85.84	0.8	7	0.2	17	49			
				6251	85.84	87.00	1.16	11	0.2	25	83			
			88.9m - 5cm wide quartz diorite porphyry dikelet.	6252	87.00	88.10	1.1	22	0.3	15	110			
				6253	88.10	88.90	0.8	7	0.6	120	187			
88.9	102.5		Diorite Porphyry - minimal alteration; trace diss. Py. white feldspar phenos to 3mm; dark green fine grained matrix; occasional 5cm wide patches of pink Kspar alteration alongside some calcite veinlets; few veinlts of any kind; occasional epidote alteration -	6254	88.90	89.70	0.8	15	0.3	146	247			
				6255	89.70	91.00	1.3	2	0.2	80	94			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 7 OF 12
 HOLE NO. : DDH 12 LAT. : 0+98 S TRUE BRG : 045° LOGGED BY : D. Gorc
 COMMENCED: August 21, 1986 DEP. : 1+96 E SURVEY AT : DATE : August 26, 1986
 COMPLETED: August 25, 1986 ELEV. : 1,622.16 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 191.41m UNUSUAL FEAT.:

From	To	Sym.	Description	Sample No.	From	To	Lgth	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			core is magnetic. 88.90 to 89.70m - strongly sericitized dark green colour											
			100.0 to 101.7m - intense sericitization trace diss. Py with 5-10cm pockets of 0.5% diss. Py.	6256	100.7	101.7	1.0	1	0.3	173	184			
			101.7m to 102.5m - core very broken up small fault.	6257	101.7	102.5	0.8	12	0.2	11	155			
102.5	104.0		Altered Granite Porphyry - intense sericite alteration; intermixed reddish brown (Kspar) and grey; seems similar to (DDH 11 - 72.94m) 3-5% diss. Py.	6258	102.5	104.0	1.5	24	0.2	8	254			
104.0	108.7		Diorite Porphyry - low to moderate (-) sericite alteration, light grey matrix; small white feldspar phenos to 2mm; no epidote, no hematite, minor quartz veinets; 3% diss. Py; lower contact @ 20° core angle.	6259	104.0	105.16	1.16	85	0.2	8	243			
				6260	105.16	106.94	1.78	55	0.2	10	146			
				6261	106.94	108.7	1.76	50	0.2	11	170			
108.7	113.49		Granite Porphyry - medium grey to brownish grey matrix; large white	6262	108.7	109.7	1.0	34	0.1	4	118			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 8 OF 12
 HOLE NO. : DDH 12 LAT. : 0+98 S TRUE BRG : 045° LOGGED BY : D. Gorc
 COMMENCED: August 21, 1986 DEP. : 1+96 E SURVEY AT : DATE : August 26, 1986
 COMPLETED: August 25, 1986 ELEV. : 1,622.16 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 191.41m UNUSUAL FEAT.:

From	To	Sym.	Description	Sample No.	From	To	Lgth	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			feldspar phenos to 1cm; quartz phenos to 0.5cm; minimal to low sericite alteration; some sericitization of feldspar phenos; 1-3% diss. Py.											
			109.7m - start of moderate sericite alteration.	6263	109.7	111.86	2.16	27	0.2	8	95			
			111.86 - broken core - small fault, lower contact @ 40° core angle.	6264	111.86	113.49	1.63	95	0.1	12	83			
113.49	145.39		Diorite Porphyry - white feldspar phenos to 2mm; medium grey matrix; occasional pink Kspar alteration along veinlets; low (+) to moderate (-) sericite alteration; variable alteration, patchy; 5% diss. Py.	6265	113.49	114.91	1.42	170	0.2	8	63			
				6266	114.91	116.61	1.70	255	0.4	113	79			
				6267	116.61	117.65	1.04	80	0.4	139	72			
			117.65 to 118.87m - fault zone; brecciated; abundant chlorite, trace Py; shearing @ 20° to 25° core angle 2 to 3 quartz veinlets per metre.	6268	117.65	118.87	1.22	29	0.5	389	60			
			121.0m - diorite has whitish matrix; bleached appearance; minor to low (++) alteration.	6269	118.87	120.7	1.83	38	0.5	217	57			
				6270	120.7	121.9	1.20	150	0.6	327	60			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 9 OF 12
 HOLE NO. : DDH 12 LAT. : 0+98 S TRUE BRG : 045° LOGGED BY : D. Gorc
 COMMENCED: August 21, 1986 DEP. : 1+96 E SURVEY AT : DATE : August 26, 1986
 COMPLETED: August 25, 1986 ELEV. : 1,622.16 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 191.41m UNUSUAL FEAT.:

From	To	Sym.	Description	Sample No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			113.49m to 123.3m - 5% diss. Py.	6271	121.9	123.3	1.40	190	0.8	233	82	
			121.18m - small fault.									
			123.3m - start of 3-5% diss. Py.	6272	123.3	124.65	1.35	70	0.5	198	77	
				6273	124.65	126.18	1.53	34	0.3	98	77	
			128.4m - broken core, small fault.	6274	126.18	127.18	1.0	32	0.4	14	77	
				6275	127.18	128.2	1.02	30	0.1	11	79	
			129.9 to 130.43m - core has dark green colour with greyish patches & patches of reddish Kspar alteration; brecciated; more chlorite; core is slightly magnetic.	6276	128.2	129.8	1.6	29	0.2	29	64	
				6277	129.8	130.45	0.65	185	0.4	267	48	
				6278	130.45	132.0	1.55	85	0.3	41	83	
				6279	132.00	134.11	2.11	30	0.4	59	92	
				6280	134.11	135.00	0.89	120	0.6	659	81	
				6281	135.00	136.25	1.25	60	0.8	747	114	
			130.43m - start of patchy minimal to low (+) sericite alteration.									
			135.5 to 136.35m - highly fractured; moderate sericite alteration; some chlorite veinlets.									
			137.25 to 142.5m - 80% of core has Kspar alteration.	6282	136.25	137.75	1.5	110	0.9	90	127	
				6283	137.75	139.3	1.55	125	0.7	58	311	
				6284	139.3	141.0	1.70	115	0.3	105	99	
			Note: 10-30cm patches with a similar appearance continue in core approx. 1 patch per metre.	6285	141.0	143.3	2.3	150	0.2	61	90	
			143.9m - a few 1cm dikilets of quartz	6286	143.3	145.39	2.09	65	0.3	14	80	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 10 OF 12
HOLE NO. : DDH 12	LAT. : 0+98 S	TRUE BRG : 045°	LOGGED BY : D. Gorc
COMMENCED: August 21, 1986	DEP. : 1+96 E	SURVEY AT :	DATE : August 26, 1986
COMPLETED: August 25, 1986	ELEV. : 1,622.16 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 191.41m	UNUSUAL FEAT.:

From	To	Sym.	Description	Sample No.	From	To	Lgth	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			diorite porphyry.											
			147.3 - several quartz diorite porphyry dikelets.											
145.39	150.40		Brecciated Diorite - patchy dark green red (Kspar) and grey; 1-2 quartz veinlets per metre; occasional chlorite magnetite veinlets; 3-5% diss. Py.	6287	145.39	147.3	1.91	475	0.3	38	105			
				6288	147.3	148.74	1.44	295	1.8	3,087	169			
				6289	148.74	149.74	1.00	210	1.0	647	116			
				6290	149.74	150.40	0.66	115	0.3	27	135			
			148.1 - 148.7 - chlorite, magnetite Py shear @ 40° core angle.											
			148.5 to 2cm - quartz Py-chalco vein lower contact @ 30° core angle.											
150.4	165.51		Brecciated Andesite - highly fractured very dark green, abundant calcite infilling along fractures; occasional brownish bleaching alongside veinlets; clasts of diorite porphyry up to 10cm across noted throughout core; not abundant.	6291	150.40	151.79	1.39	250	0.4	29	191			
				6292	151.79	153.19	1.40	235	0.3	33	135			
				6293	153.19	154.69	1.5	225	0.4	33	128			
				6294	154.69	156.19	1.5	185	0.1	44	131			
				6295	156.19	157.49	1.3	275	0.4	115	107			
				6296	157.49	159.0	1.51	50	0.3	53	101			
			160.8 to 160.9m - dikelet of diorite	6297	159.0	160.93	1.93	350	0.4	115	95			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 1 OF 6
 HOLE NO. : DDH 13 LAT. : 0+27S TRUE BRG : 045° LOGGED BY : R. Pesalj
 COMMENCED: August 26, 1986 DEP. : 2+92E SURVEY AT : DATE : August 29, 1986
 COMPLETED: August 29, 1986 ELEV. : 1,600.71 m % RECOVERY : 100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH : 121.31m UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au oz/t
0.00	8.53		Overburden, boulders of andesitic volcanic, casing.	6301	8.53	9.50	0.97	170	0.5	201	84	
				6302	9.50	11.28	1.78	159	0.2	81	106	
				6303	11.28	12.55	1.27	96	0.1	25	96	
8.53	17.40		Pink and green, f.g. granite porphyry moderately chloritized, disseminated pyrite and thin 1-3mm quartz veinlets throughout. Pyrite content avg. 3-5%. Quartz veinlets + cp 12.55-12.80m.	6304	12.55	12.80	0.25	640	2.4	2825	55	
			- From 12.80 to 14.63m broken core, some fault gouge.	6305	12.80	14.63	1.83	460	2.3	38	98	
			- From 15.85 to 16.60m pyrite content 12-15%, quartz veinlets and silica matrix to pyrite grains, high chlorite content.	6306	14.63	15.85	1.22	320	8.5	439	136	
				6307	15.85	16.60	0.75	137	0.6	483	124	
				6308	16.60	17.40	0.80	69	0.2	74	132	
				6309	17.40	19.20	1.80	145	0.2	82	125	
				6310	19.20	19.80	0.60	230	0.4	270	110	
				6311	19.80	20.80	1.00	188	0.5	350	130	
				6312	20.80	21.70	0.90	13200	1.8	253	104	0.366
				6313	21.70	22.08	0.38	6600	1.0	304	129	0.196
				6314	22.08	22.74	0.66	1620	1.2	474	129	0.046
				6315	22.74	24.05	1.31	1190	0.7	348	111	0.038
17.40	24.05		Andesite, dark green, chloritic, fine to medium grained, numerous thin qtz veinlets, disseminated fine grained pyrite throughout. From 20.80 to 21.70 m. white & pink quartz-feldspar veinlet 1cm wide along the core.	6316	24.05	24.90	0.85	42	0.1	99	149	
			- From 22.08 to 22.74m quartz pyrite veinlets, crenulated, pyrite content 10-12%.	6317	24.90	25.38	0.48	178	0.3	213	132	
				6318	25.38	25.84	0.46	166	0.5	298	97	
				6319	25.84	26.37	0.53	370	0.9	1339	88	
				6320	26.37	26.78	0.41	750	0.8	1428	118	0.023
				6321	26.78	27.74	0.96	4750	6.5	4787	44	0.144
				6322	27.74	29.20	1.46	113	0.4	331	143	0.003
				6323	29.20	29.55	0.35	23000	9.0	12533	104	0.615
				6324	29.55	31.00	1.45	49	0.2	185	47	
				6325	31.00	32.15	1.15	94	0.3	141	105	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 2 OF 6
 HOLE NO. : DDH 13 LAT. : 0+27S TRUE BRG : 045° LOGGED BY : R. Pesalj
 COMMENCED: August 26, 1986 DEP. : 2+92E SURVEY AT : DATE : August 29, 1986
 COMPLETED: August 29, 1986 ELEV. : 1,600.71 m % RECOVERY : 100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH : 121.31m UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
24.05	26.78		Granite porphyry, pink and green, fine grained, chloritic, disseminated and minor veinlet pyrite 5-8%.	6326	32.15	32.92	0.77	132	0.7	460	110	
				6327	32.92	33.53	0.61	99	0.7	745	97	
				6328	33.53	35.10	1.57	93	0.2	216	55	
			- From 25.38 to 25.84m quartz-pyrite bands and veinlets at 40° to core axis, disseminated and banded pyrite 15%.	6329	35.10	36.73	1.63	36	0.2	160	44	
				6330	36.73	38.10	1.37	12	0.1	12	54	
				6331	38.10	39.01	0.91	85	0.1	25	119	
				6332	39.01	40.54	1.53	25	0.1	6	42	
				6333	40.54	42.06	1.52	81	0.1	5	35	
26.78	27.74		Quartz-pyrite vein, upper contact with granite porphyry at 30° to core axis.	6334	42.06	43.68	1.62	27	0.3	33	53	
			Grey, medium grained quartz contains 15-20% of coarse grained pyrite.	6335	43.68	44.50	0.82	20	0.1	3	38	
				6336	44.50	46.02	1.52	40	0.1	6	30	
				6337	46.02	47.55	1.53	50	0.1	9	44	
				6338	47.55	49.08	1.53	135	0.2	8	37	
27.74	29.55		Andesite, dark green, fine grained, massive, disseminated pyrite 8%.	6339	49.08	50.59	1.51	110	0.1	5	47	
				6340	50.59	52.20	1.61	62	0.1	7	38	
			- From 29.20 to 29.55m quartz pyrite veinlets at 10° to core-axis, pyrite content 12%.	6341	52.20	53.69	1.49	78	0.3	10	30	
				6342	53.69	54.90	1.21	54	0.1	11	61	
				6343	54.90	55.90	1.00	117	0.2	7	45	
				6344	55.90	56.50	0.60	57	0.1	6	47	
29.55	31.00		Granite porphyry, pink, large 2-5 mm. phneocrysts of K-spar and plagioclase set in m.g. feldspar rich matrix.	6345	56.50	57.75	1.25	68	0.2	11	33	
				6346	57.75	59.00	1.25	46	0.1	11	52	
				6347	59.00	60.72	0.90	44	0.1	16	61	
			Disseminated pyrite 1-3%.	6348	59.90	61.42	0.82	68	0.1	34	56	
				6349	60.72	62.00	0.70	91	0.1	46	93	
				6350	61.42	62.90	0.58	200	0.4	278	70	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 3 OF 6
HOLE NO. : DDH 13 LAT. : 0+27S TRUE BRG : 045° LOGGED BY : R. Pesalj
COMMENCED: August 26, 1986 DEP. : 2+92E SURVEY AT : DATE : August 29, 1986
COMPLETED: August 29, 1986 ELEV. : 1,600.71 m % RECOVERY : 100% CORE STORED : Camp
OBJECTIVE: CORE SIZE: BQ LENGTH : 121.31m UNUSUAL FEAT.:

From	To	Syb	Description	Samp No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
31.00	35.66		Granite porphyry, pink and green, highly chloritic, massive, fine grained.	6351	62.00	62.90	0.90	510	0.5	551	95	
				6352	62.90	63.60	0.70	2750	0.9	604	101	0.084
				6353	63.60	64.40	0.80	42000	2.5	579	76	1.220
				6354	64.40	65.53	1.13	110	0.1	36	76	
35.66	55.90		Diorite porphyry, grey and white, plagioclase phenocrysts 3-5mm set in grey, plagioclase rich matrix. Upper contact with granite porphyry at 40°. Disseminated pyrite 1-2%, minor quartz veinlets at 40-45° to core axis. Narrow sections of pink granite porphyry to 0.50m in the upper part of the unit. - From 40.54 to 47.55 the porphyry is highly bleached and kaolinized. Minor fracturing with quartz and locally amethyst as a filling. - From 50.59 to 54.25m strong bleaching, kaolinization.	6355	65.53	65.83	0.30	490	0.4	465	81	
				6356	65.83	67.00	1.17	250	0.5	283	52	
				6357	67.00	67.90	0.90	1290	0.6	606	49	0.048
				6358	67.90	69.15	1.25	660	0.8	178	41	
				6359	69.15	69.80	0.65	540	1.3	67	35	
				6360	69.80	71.10	1.30	460	0.4	161	60	
				6361	71.10	72.15	1.05	87	0.1	4	48	
				6362	72.15	74.00	1.85	111	0.2	7	38	
				6363	74.00	75.60	1.60	50	0.1	11	46	
				6364	75.60	76.66	1.06	82	0.1	25	33	
				6365	76.66	78.18	1.52	44	0.2	22	35	
				6366	78.18	79.71	1.53	42	0.1	25	27	
				6367	79.71	81.23	1.52	50	0.1	7	28	
6368	81.23	82.75	1.52	61	0.1	24	41					
6369	82.75	84.28	1.53	94	0.2	17	43					
6370	84.28	85.65	1.37	46	0.1	7	35					
55.90	56.50		Diorite porphyry, light grey, kaolinized, fractured, dark graphitic(?) material filling the fractures, disseminated pyrite 2%.	6371	85.65	86.87	1.22	51	0.2	135	45	
				6372	86.87	88.08	1.21	56	0.2	69	42	
				6373	88.08	89.61	1.53	39	0.1	92	42	
				6374	89.61	90.36	0.75	27	0.2	46	30	
				6375	90.36	91.00	0.64	28	0.1	20	34	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 1 OF 13
 HOLE NO. : DDH 14 LAT. : 0+15 N TRUE BRG : 225° LOGGED BY : D. Gorc
 COMMENCED: August 29, 1986 DEP. : 7+25 E SURVEY AT : DATE : Sept. 4, 1986
 COMPLETED: Sept. 03, 1986 ELEV. : 1,597.38 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: B0 LENGTH : 167.03m UNUSUAL FEAT.:

ACID TESTS: 54.86m -57°45'
 109.73m -53°15'
 167.03 - 53°30'

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis										
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)						
0.00	6.61		Casing (3.21-6.61m regolith of andesite; broken fragments of andesite).															
6.61	10.7		Andesite: fine porphyry; dark green with spotty epidote alteration; minor epidote; variably magnetic; thin 1-2mm calcite veinlets @ 0° to 85° core angle; most common @ 40° core angle; occasional increased epidote alongside larger veinlets; 1-3% diss. Py.	6394 6395	6.61 8.53	8.53 10.7	1.92 2.17	9 62	0.1 0.4	11 8	104 104							
10.7	10.9		Grey Felsite Dyke - fine grained, light grey; 5% diss. Py, contact @ 30° core angle.	6396	10.7	10.9	0.2	56	0.4	15	105							
10.9	29.9		Andesite - same as above.	6397	10.9	11.0	0.10	42	0.3	20	108							
			11.08m - 1cm quartz vein @ 35° core angle.	6398	11.00	11.10	0.10	35	0.5	36	97							
			14.0m to 1cm quartz vein, minor Py @ 50° core angle.	6399 6400 6401 6402 6403 6404	11.10 12.20 13.9 14.2 15.1 17.3	12.20 13.9 14.2 15.1 17.3 17.8	1.10 1.7 0.3 0.9 2.2 0.5	13 17 26 9 10 11	0.1 0.1 0.1 0.2 0.1 0.1	19 36 9 58 26 27	96 110 112 123 118 118							

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 2 OF 13
HOLE NO. : DDH 14	LAT. : 0+15 N	TRUE BRG : 225°	LOGGED BY : D. Gorc
COMMENCED: August 29, 1986	DEP. : 7+25 E	SURVEY AT :	DATE : Sept. 4, 1986
COMPLETED: Sept. 03, 1986	ELEV. : 1.597.38 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 167.03m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			35° core angle.											
			17.3 to 17.6m - pred. calcite.											
			17.6 to 17.8m - pred. quartz mino chalco. vuggy; silica infilling along fracture openings.											
			17.8m - start of 3-5% diss. Py.	6405	17.8	19.1	1.3	30	1.5	361	107			
				6406	19.1	19.66	0.56	13	0.2	81	116			
			19.66 to 20.27m - 2 quartz-carb-Py veins 3cm thick @ 0° core angle.	6407	19.66	20.27	0.61	14	0.4	180	136			
			20.7m - 1cm quartz-Py veinlet @ 40°	6408	20.27	23.00	2.73	24	0.1	126	118			
				6410	23.00	24.6	1.6	19	0.2	75	133			
			core angle.	6411	24.6	25.7	1.1	24	0.3	122	132			
				6412	25.7	27.2	1.5	12	0.2	198	131			
			27.74m to 28.74m - 5-6 thin calcite veinlets @ 0° to 40° core angle; minor chalco.	6413	27.2	27.74	0.54	24	0.5	283	144			
				6414	27.74	28.74	1.0	51	0.7	693	116			
			28.74 to 29.54m - 3 quartz veinlets - 1cm thick.	6415	28.74	29.54	0.8	32	0.5	432	103			
			29.5 to 29.9m - intense epidote alteration.	6416	29.54	29.9	0.36	20	0.3	310	85			
29.9	49.78		Granite Porphyry - medium grey to brownish grey matrix; large feldspar	6417	29.9	31.09	1.19	2	0.1	7	48			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 4 OF 13
HOLE NO. : DDH 14	LAT. : 0+15 N	TRUE BRG : 225°	LOGGED BY : D. Gorc
COMMENCED: August 29, 1986	DEP. : 7+25 E	SURVEY AT :	DATE : Sept. 4, 1986
COMPLETED: Sept. 03, 1986	ELEV. : 1,597.38 m	% RECOVERY :	CORE STORED : At campsite
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 167.03m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis						
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)		
			alteration envelopes.											
			Note: no quartz veining along minor calcite veinlets.	6425	48.77	49.28	0.51	1	0.1	10	53			
			Lower contact @ 60° core angle.											
49.28	61.95		Andesite - dark green matrix, moderate patchy epidote, 5-10% of core has epidote colouration; irregular 2-3cm wide patches.											
			49.28 to 49.38m - high epidote 5-10% diss. Py.	6426	49.28	49.68	0.4	6	0.1	21	151			
			49.38m - start of 1-3% diss. Py average 1% Py.	6427	49.68	50.9	1.22	12	0.2	90	136			
			51.05m - 1.5cm vuggy quartz vein @ 85° core angle, minor Py.	6428	50.9	51.2	0.3	14	0.1	88	166			
				6429	51.2	51.5	0.3	11	0.1	73	127			
			51.65m - 1cm quartz-Py vein @ 80° core angle.	6430	51.5	51.8	0.3	17	0.3	164	120			
			52.32m - 1cm quartz-Py vein @ 90° core	6431	51.8	52.12	0.32	17	0.2	228	123			
				6432	52.12	52.52	0.4	41	0.2	175	135			
			53.00m -start of 3% diss. Py.	6433	52.52	53.00	0.48	15	0.1	73	142			

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 5 OF 13
 HOLE NO. : DDH 14 LAT. : 0+15 N TRUE BRG : 225° LOGGED BY : D. Gorc
 COMMENCED: August 29, 1986 DEP. : 7+25 E SURVEY AT : DATE : Sept. 4, 1986
 COMPLETED: Sept. 03, 1986 ELEV. : 1,597.38 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 167.03m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From To		Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
				6434	53.00	54.00	1.0	22	0.3	281	117	
			55.0 to 55.4m - 10% diss. Py.	6435	54.00	55.0	1.0	68	0.7	350	129	
				6436	55.00	55.4	0.4	450	2.0	190	103	
				6437	55.4	56.9	1.5	40	0.2	90	129	
				6438	56.9	57.7	0.8	21	0.2	108	143	
			57.85m - 2cm quartz vein @ 80° core angle; no Py.	6439	57.7	58.0	0.3	1,040	1.1	9	119	
				6440	58.0	58.3	0.3	28	0.1	33	128	
			58.3 to 59.0m - 10% diss. Py trace chalco; med. grey matrix.	6441	58.3	59.0	0.7	82	1.0	443	148	
				6442	59.0	59.6	0.6	18	0.2	87	153	
				6443	59.60	60.85	1.25	12	0.2	116	133	
			60.95m - 2 thin quartz veinlets (0.25 cm) @ 60° core angle, minor Py.	6444	60.85	61.05	0.2	170	0.7	94	135	
			62.8 to 63.1m - abundant chlorite, 2 1cm quartz veins @ 80° core angle.	6445	61.05	61.65	0.6	43	0.1	114	183	
				6446	61.65	61.95	0.3	30	0.2	89	66	
61.95	67.95		Altered Granite Porphyry - intense sericite alteration; original texture almost completely obiterated; a host of feldspar phenos to 1cm; brownish to brownish red matrix; rare epidote; 0.5 to 1% diss. Py.	6447	61.95	63.1	1.15	80	0.2	3	36	
			63.1 to 64.1m - 4 - 1cm quartz-Py veinlets @ 80° core angle.	6448	63.1	64.1	1.0	31	0.1	4	59	
				6449	64.1	65.84	1.74	20	0.1	17	65	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 8 OF 13
 HOLE NO. : DDH 14 LAT. : 0+15 N TRUE BRG : 225° LOGGED BY : D. Gorc
 COMMENCED: August 29, 1986 DEP. : 7+25 E SURVEY AT : DATE : Sept. 4, 1986
 COMPLETED: Sept. 03, 1986 ELEV. : 1,597.38 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 167.03m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis					
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)	
			76.9m - 2 - 1cm quartz veinlets @ 80° core angle.										
			77.1m - 0.25 quartz vein @ 80° core angle.										
77.7	80.26		Andesite - fine porphyry; very dark grey; sections of fine grained andesite with no clasts; minor epidote; 1-3% diss. Py.										
			77.7 to 78.7m - medium grey; slightly bleached.										
			77.2 to 77.6m - highly fractured abundant quartz veinlets.	6470	77.2	77.7	0.5	290	2.8	50	176		
			77.7 to 78.4m - 18 - 0.25cm wide qtz veinlets; minor Py.	6471	77.7	78.5	0.8	11	0.3	13	201		
				6472	78.5	79.0	0.5	9	0.3	50	247		
				6473	79.0	80.16	1.16	22	0.6	136	218		
80.26	93.00		Andesite - porphyritic; clasts to 2mm; low (+) epidote, 20cm sections of intense epidote alteration; 1-3% diss. Py.	6474	80.16	81.99	1.83	16	0.5	167	112		
				6475	81.99	83.4	1.4	10	0.4	138	154		
			83.6 to 83.65m - 2 - 2cm quartz veins	6476	83.4	83.7	0.3	36	0.4	28	107		

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 9 OF 13
 HOLE NO. : DDH 14 LAT. : 0+15 N TRUE BRG : 225° LOGGED BY : D. Gorc
 COMMENCED: August 29, 1986 DEP. : 7+25 E SURVEY AT : DATE : Sept. 4, 1986
 COMPLETED: Sept. 03, 1986 ELEV. : 1,597.38 m % RECOVERY : CORE STORED : At campsite
 OBJECTIVE: CORE SIZE: BQ LENGTH : 167.03m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From To		Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
			@ 85° core angle; minor Py.	6477	83.7	84.73	1.03	14	0.5	234	114	
			85.73 to 87.17m - moderate epidote alteration; minor calcite hematite veinlets; minor patchy Kspar alteration.	6478	84.73	85.73	1.0	30	0.5	152	168	
				6479	85.73	87.03	1.3	3	0.4	179	130	
				6480	87.03	88.00	0.97	6	0.3	84	203	
			88.17m - 1.5cm quartz vein @ 70° core angle; trace Py.	6481	88.00	88.25	0.25	11	0.2	31	194	
			88.65 to 88.9m - 30 - 0.25cm quartz-calcite veinlets @ 20° to 65° core angle; minor Py.	6482	88.25	88.65	0.40	1	0.1	16	167	
				6483	88.65	89.9	1.25	7	0.3	55	146	
				6484	89.9	91.5	1.6	6	0.5	286	175	
			91.5 to 91.9 - grey, bleached.	6485	91.5	91.9	0.4	10	0.1	13	69	
			91.9m - 0.25 quartz-Py vein @ 80° core angle.	6486	91.9	92.66	0.76	2	0.2	42	165	
			92.9m - 1cm quartz vein @ 70° core angle.	6487	92.66	93.00	0.34	1	0.1	21	135	
93.00	99.67		Coarse Andesite Porphyry -white feldspar clasts to 0.25cm; dark green matrix; occasional epidote and calcite veinlets; trace Py; occasional clasts to 1cm.	6488	93.00	93.66	0.66	2	0.2	93	127	
				6489	93.66	94.8	1.14	3	0.1	43	126	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 1 OF 9
 HOLE NO. : DDH 15 LAT. : 0+38S TRUE BRG : 045° LOGGED BY : R. Pesalj
 COMMENCED: Sept. 19, 1986 DEP. : 3+86E SURVEY AT : DATE : Sept. 21, 1986
 COMPLETED: Sept. 20, 1986 ELEV. : 1,595.92 m % RECOVERY :100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH :124.97 m UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	7.62		Overburden, fragments of green andesitic volcanics angular; casing	501	7.62	9.14	1.52	18	0.1	7	69	
				502	9.14	10.67	1.53	12	0.1	6	53	
				503	10.67	12.19	1.52	5	0.1	8	54	
				504	12.19	13.72	1.53	14	0.2	8	59	
				505	13.72	15.24	1.52	14	0.1	9	48	
7.62	19.20		Granite porphyry, grey and green consists of white plagioclase phenocrysts and greenish-grey plagioclase rich groundmass. Red hematitic alteration throughout the unit.	506	15.24	16.76	1.52	12	0.1	23	66	
				507	16.76	18.29	1.53	26	0.1	15	63	
				508	18.29	19.20	0.91	360	0.1	50	84	
				509	19.20	20.73	1.53	29	0.1	46	84	
				510	20.73	22.25	1.52	16	0.3	44	100	
				511	22.25	23.77	1.52	37	0.7	425	63	
				512	23.77	25.29	1.52	9	0.1	27	55	
				513	25.29	26.82	1.53	13	0.1	21	44	
				514	26.82	28.50	1.68	7	0.1	6	45	
				515	28.50	29.30	0.80	22	0.1	9	37	
19.20	22.25		Andesite, green, chloritic, porphyritic, phenocrysts of hornblende and plagioclase in plagioclase rich chloritic groundmass.	516	29.30	29.87	0.50	62	0.5	861	46	
				517	29.87	30.57	0.70	25	0.1	6	40	
				518	30.57	31.70	1.13	10	0.1	5	36	
				519	31.70	32.60	0.90	16	0.1	5	45	
				520	32.60	33.60	1.00	3	0.1	4	38	
				521	33.60	34.60	1.00	13	0.1	4	44	
22.25	23.77		Granite porphyry, grey with lematitic alteration throughout. Minor fault from 23.67 - 23.77, fault gouge.	522	34.60	35.90	1.30	28	0.1	3	49	
				523	35.90	37.30	1.40	16	0.1	4	45	
				524	37.30	39.90	2.60	24	0.1	5	43	
				525	39.90	41.20	1.30	13	0.1	4	43	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 2 OF 9
HOLE NO. : DDH 15	LAT. : 0+38S	TRUE BRG : 045°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 19, 1986	DEP. : 3+86E	SURVEY AT :	DATE : Sept. 21, 1986
COMPLETED: Sept. 20, 1986	ELEV. : 1,595.92 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 124.97 m	UNUSUAL FEAT.:

From	To	Symbol	Description	Sample No.	From	To	Length	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
				526	41.20	42.06	0.86	24	0.1	4	42	
23.77	28.50		Diorite porphyry, light grey, large phenocrysts of white plagioclase set in grey, plagioclase rich matrix.	527	40.60	42.06	1.46	35	0.1	4	48	
			Minor white quartz calcite veinlets at 45-60° to core axis.	528	42.06	44.40	2.34	54	0.1	5	46	
				529	44.40	45.11	0.71	35	0.1	5	33	
				530	45.11	45.90	0.79	28	0.1	4	37	
				531	45.90	46.94	1.04	35	0.1	8	44	
				532	46.94	48.16	1.22	10	0.1	3	47	
				533	48.16	49.51	1.35	6	0.1	20	40	
				534	49.51	50.60	1.09	121	0.2	3	62	
28.50	29.30		Diorite porphyry, light grey and white, bleached, hard, cut by grey quartz calcite veinlets at 80-90° to core axis. Quartz phenocrysts to 3 mm across, minor disseminated pyrite.	535	50.60	51.14	0.54	134	0.3	38	69	
				536	51.14	52.55	1.41	1,530	0.3	28	133	0.053
				537	52.55	54.20	1.65	205	0.3	111	136	
				538	54.20	55.40	1.20	129	0.2	31	108	
				539	55.40	56.08	0.68	64	0.1	75	82	
				540	56.08	57.05	0.97	73	0.3	107	98	
				541	57.05	58.40	1.35	79	0.2	111	113	
29.30	29.87		Diorite porphyry, as above, more bleached, cut by quartz chalcopyrite veinlets 2 mm across at 10° to core axis.	542	58.40	59.40	1.00	480	1.2	78	83	
				543	59.40	60.80	1.40	66	0.1	17	78	
				544	60.80	62.18	1.38	93	0.2	78	85	
				545	62.18	63.90	1.72	136	0.2	16	75	
				546	63.90	64.80	0.90	124	0.1	20	107	
				547	64.80	65.50	0.70	150	0.2	31	113	
29.87	30.57		Diorite porphyry as above, cut by white quartz veinlet 5 mm across.	548	65.50	66.28	0.78	87	0.2	30	89	
				549	66.28	66.90	0.62	139	0.1	28	85	
				550	66.90	67.50	0.60	147	0.2	48	101	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 3 OF 9
 HOLE NO. : DDH 15 LAT. : 0+38S TRUE BRG : 045° LOGGED BY : R. Pesalj
 COMMENCED: Sept. 19, 1986 DEP. : 3+86E SURVEY AT : DATE : Sept. 21, 1986
 COMPLETED: Sept. 20, 1986 ELEV. : 1,595.92 m % RECOVERY : 100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH : 124.97 m UNUSUAL FEAT.:

From	To	Symbol	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
				551	67.50	68.40	0.90	55	0.1	21	90	
				552	68.40	69.70	1.30	115	0.2	65	118	
30.57	33.60		Diorite porphyry as above to 28.50 m.	553	69.70	70.15	.45	132	0.4	194	113	
				554	70.15	71.25	1.10	99	0.2	55	125	
				555	71.25	72.54	1.29	105	0.2	93	88	
				556	72.54	73.84	1.30	82	0.1	27	82	
33.60	41.20		Granite porphyry, grey-reddish, lema- tite alteration abundant, very fine	557	73.84	75.59	1.75	330	0.2	71	80	
			k-spar rich matrix with phenocrysts of plagioclase and quartz. Minor quartz- calcite epidote veinlets.	558	75.59	77.02	1.43	210	0.3	122	102	
				559	77.02	78.12	1.10	43	0.2	26	86	
				560	78.12	79.35	1.23	44	0.2	28	58	
				561	79.35	79.85	0.50	42	0.1	76	37	
				562	79.85	81.25	1.40	14	0.1	14	58	
				563	81.25	82.70	1.45	13	0.1	13	73	
				564	82.70	84.10	1.40	11	0.2	21	67	
41.20	42.06		Granite porphyry as above, slightly bleached section.	565	84.10	85.60	1.50	49	0.6	492	73	
				566	85.60	87.48	1.88	47	0.2	48	72	
				567	87.48	88.40	0.92	96	1.1	664	135	
				568	88.40	89.40	1.00	53	0.6	328	130	
42.06	44.40		Diorite porphyry, grey, massive, minor quartz veinlets, disseminated pyrite less than 1%.	569	89.40	90.10	0.70	42	0.7	133	83	
				570	90.10	90.60	0.50	9	0.2	25	79	
				571	94.10	94.30	0.20	159	0.7	44	85	
				572	96.07	96.37	0.30	116	0.8	32	58	
				573	97.53	98.43	0.90	38	0.7	482	46	
44.40	45.90		Diorite porphyry, light grey and white, bleached section.	574	102.72	102.92	0.20	260	1.1	1,360	81	
				575	103.85	104.07	0.22	360	1.1	439	87	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -48 ^o	PAGE 1 OF 11
HOLE NO. : DDH 16	LAT. : 0+40N	TRUE BRG : 225 ^o	LOGGED BY : R. Pesalj
COMMENCED: Sept. 20, 1986	DEP. : 4+84E	SURVEY AT :	DATE : Sept. 23, 1986
COMPLETED: Sept. 23, 1986	ELEV. : 1,588.59 m	% RECOVERY : 100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH : 154.84 m	UNUSUAL FEAT.:

From	To	Symbol	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	5.79		Overburden, boulder of light grey and white porphyry and green granite porphyry, carring.	580	5.79	6.40	0.61	15	0.1	11	55	
				581	6.40	7.62	1.22	28	0.3	27	135	
				582	7.62	9.14	1.52	134	0.3	70	100	
				583	9.14	10.67	1.53	540	0.3	61	93	
				584	10.67	12.19	1.52	139	0.5	173	86	
5.79	6.40		Light grey and beige diorite porphyry, badly broken core, shear zone.	585	12.19	13.41	1.22	127	0.7	309	138	
				586	13.41	15.24	1.83	77	0.3	239	72	
				587	15.24	16.76	1.52	18	0.1	45	56	
6.40	13.41		Andesite, dark grey-green, fine grained, massive, badly broken from 7.62 to 9.14, shear zone, core recovery 20%. From 9.14 to 13.41 m blocky core.	588	16.76	18.29	1.53	150	0.3	365	68	
				589	18.29	19.81	1.52	57	0.1	59	45	
				590	19.81	21.95	2.14	17	0.2	112	55	
				591	21.95	23.47	1.52	134	0.3	178	85	
				592	23.47	24.88	1.41	116	0.6	511	80	
13.41	16.76		Granite porphyry, pink and green chloritic, sheared core recovery 70%.	593	24.88	26.00	1.12	129	1.0	712	149	
				594	26.00	26.70	0.70	3,300	4.5	4,573	135	0.103
				595	26.70	27.50	0.80	230	1.0	873	116	
16.76	21.95		Diorite porphyry, grey, fine grained groundmass. Plagioclase phenocrysts to 5 mm length, minor disseminated pyrite.	596	27.50	28.35	0.85	320	1.4	1,234	107	
				597	28.35	28.80	0.45	170	0.7	363	116	
				598	28.80	29.30	0.50	141	1.0	537	159	
				599	29.30	29.87	0.57	168	0.5	253	64	
				600	29.87	30.63	0.76	76	0.6	507	93	
				601	30.63	32.20	1.57	119	0.3	272	55	
				602	32.20	33.20	1.00	150	0.3	254	49	
				603	33.20	34.75	1.55	110	0.3	323	81	
				604	34.75	35.97	1.22	39	0.2	19	122	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -48°	PAGE 2 OF 11
HOLE NO. : DDH 16	LAT. : 0+40N	TRUE BRG : 225°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 20, 1986	DEP. : 4+84E	SURVEY AT :	DATE : Sept. 23, 1986
COMPLETED: Sept. 23, 1986	ELEV. : 1,588.59 m	% RECOVERY :100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH :154.84 m	UNUSUAL FEAT.:

From	To	Symbol	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
				605	35.97	37.49	1.22	30	0.1	11	65	
21.95	26.00		Granite porphyry, pink and green, chloritic, blocky, minor disseminated pyrite. Occasional quartz-lematite veinlets.	606	37.49	38.14	0.65	152	0.3	145	67	
				607	38.14	38.55	0.41	36	0.2	48	91	
				608	38.55	39.30	0.75	69	0.5	528	70	
				609	39.30	40.83	1.53	106	0.4	221	68	
				610	40.83	41.83	1.00	109	0.9	620	94	
				611	41.83	42.33	0.50	340	0.8	932	34	
26.00	26.70		Granite porphyry as above, disseminated pyrite with grey quartz veinlets, abundant epidote. Pyrite content 15%.	612	49.16	50.22	1.06	94	0.2	126	64	
				613	50.48	52.42	1.94	109	0.4	148	46	
				614	59.60	61.12	1.52	690	1.4	115	71	
				615	61.12	62.65	1.13	720	0.4	88	72	
				616	62.65	63.50	0.85	450	0.4	125	63	
				617	63.50	64.05	0.55	360	0.4	120	65	
26.70	27.50		Granite porphyry as above, disseminated pyrite 3 - 5%.	618	64.05	65.29	1.24	1,010	0.4	196	64	0.029
				619	65.29	66.19	0.90	540	0.3	86	66	
				620	66.19	66.70	0.51	495	0.5	202	66	
27.50	28.35		Granite porphyry, pink and green cut by white quartz-chalcopryrite veinlets 0.5 cm wide, abundant epidote, disseminated pyrite 8%.	621	66.70	68.42	1.72	280	0.4	203	89	
				622	68.42	69.37	0.95	290	0.5	281	100	
				623	69.37	70.00	0.63	121	0.4	169	67	
				624	70.00	71.35	1.35	175	0.2	133	90	
				625	71.35	72.90	1.55	185	0.2	97	69	
				626	72.90	74.00	1.10	180	0.2	38	56	
28.35	29.30		Andesite, dark green fine grained, massive, disseminated pyrite 3%.	627	75.56	76.96	1.40	1,000	1.0	548	83	
				628	76.96	78.59	1.63	810	0.7	550	97	
				629	78.59	79.95	1.36	1,120	0.7	327	85	0.034

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -48° PAGE 3 OF 11
HOLE NO. : DDH 16 LAT. : 0+40N TRUE BRG : 225° LOGGED BY : R. Pesalj
COMMENCED: Sept. 20, 1986 DEP. : 4+84E SURVEY AT : DATE : Sept. 23, 1986
COMPLETED: Sept. 23, 1986 ELEV. : 1,588.59 m % RECOVERY :100% CORE STORED : Camp
OBJECTIVE: CORE SIZE: BQ LENGTH :154.84 m UNUSUAL FEAT.:

From	To	Symbol	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
				630	79.95	81.08	1.13	1,540	0.7	409	88	0.042
				631	81.58	83.10	1.52	585	0.7	438	101	
29.30	30.63		Granite porphyry, pink and green, chloritic, slightly foliated at 30° to core axis, locally heavy disseminated pyrite, avg. 8%.	632	83.10	84.25	1.15	545	0.5	262	80	
				633	87.50	88.80	1.30	470	1.1	529	90	
				634	88.80	89.46	0.66	430	0.5	397	79	
				635	89.46	90.12	0.66	230	0.3	158	54	
				636	90.12	90.72	0.60	195	0.2	77	84	
				637	90.72	91.07	0.35	33	0.1	7	42	
30.63	32.20		Granite porphyry, minor disseminated pyrite, quartz veinlets.	638	91.07	92.05	0.98	28	0.1	16	51	
				639	92.05	93.57	1.52	32	0.1	20	27	
				640	93.57	95.10	1.53	50	0.2	14	41	
				641	95.10	96.62	1.52	18	0.1	5	31	
32.20	33.20		Granite porphyry, white, chalky kao- linized section, sheared, cut by white quartz veinlets. From 32.90 to 33 to fault zone, broken core, fault gouge.	642	96.62	98.00	1.38	67	0.1	17	101	
				643	98.00	98.90	0.90	48	0.1	16	25	
				644	98.90	99.70	0.80	44	0.1	6	29	
				645	99.70	100.75	1.05	37	0.1	6	33	
				646	100.75	101.20	0.45	12	0.1	3	31	
				647	101.20	102.82	1.62	13	0.1	5	33	
				648	102.82	104.24	1.42	29	0.1	5	27	
33.20	37.49		Granite porphyry pink and grey, no sulphides visible in core.	649	104.24	105.50	1.26	29	0.1	12	26	
				650	105.50	107.00	1.50	11	0.1	16	25	
				651	107.00	108.00	1.00	27	0.2	53	79	
				652	108.00	108.70	0.70	42	0.1	10	35	
37.49	39.30		Granite porphyry as above, dissemina- ted pyrite 5%.	653	108.70	109.70	1.00	19	0.1	32	75	
				654	109.70	111.00	1.30	7	0.1	47	38	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 1 OF 9
 HOLE NO. : DDH 17 LAT. : 0+51N TRUE BRG : 225° LOGGED BY : R. Pesalj
 COMMENCED: Sept. 25, 1986 DEP. : 5+74E SURVEY AT : DATE : Sept. 28, 1986
 COMPLETED: Sept. 27, 1986 ELEV. : 1,586.82 m % RECOVERY :100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH :133.81 m UNUSUAL FEAT.:

From	To	Symb	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	5.45		Overburden, boulders of grey diorite porphyry, casing.	673	10.05	11.17	1.12	33	0.2	16	45	
				674	11.17	11.70	0.53	11	0.1	9	41	
				675	11.70	13.10	1.40	26	0.2	45	50	
				676	13.10	14.00	0.90	23	0.2	84	35	
5.49	8.53		Diorite porphyry, grey, plagioclase phenocrysts 2 - 3 mm long, grey plagioclase rich groundmass.	677	14.00	14.63	0.63	51	0.1	20	37	
				678	14.63	16.15	1.52	111	0.1	60	38	
				679	16.15	17.75	1.60	13	0.1	13	26	
				680	17.75	18.65	0.90	12	0.1	5	33	
				681	18.65	20.73	2.08	25	0.2	15	40	
8.53	9.20		Granite porphyry, pink, massive, broken core.	682	37.39	39.32	1.93	51	0.2	28	78	
				683	39.32	40.54	1.22	67	0.3	146	80	
				684	40.54	42.06	1.52	104	0.4	179	70	
				685	42.06	43.58	1.52	38	0.2	14	58	
9.20	11.17		Diorite porphyry as above to 8.53 m.	686	43.58	44.65	1.07	67	0.2	14	47	
				687	44.65	45.55	0.90	93	0.2	75	56	
				688	45.55	46.20	0.65	82	0.3	45	39	
				689	46.20	47.40	1.20	177	0.9	713	56	
11.17	11.70		Diorite porphyry, light grey and white, bleached, kaolinized.	690	47.40	48.15	0.75	94	0.4	86	50	
				691	48.15	49.15	1.00	190	0.8	592	63	
				692	49.15	49.70	0.55	67	0.5	265	72	
11.70	13.10		Diorite porphyry, grey, massive minor hairline quartz veinlets.	693	49.70	50.44	0.74	114	0.5	291	55	
				694	50.44	51.24	0.80	102	0.5	306	61	
				695	51.24	51.86	0.62	90	0.4	300	64	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow LOCATION : West Drill Grid CORRECT DIP: -55° PAGE 2 OF 9
 HOLE NO. : DDH 17 LAT. : 0+51N TRUE BRG : 225° LOGGED BY : R. Pesalj
 COMMENCED: Sept. 25, 1986 DEP. : 5+74E SURVEY AT : DATE : Sept. 28, 1986
 COMPLETED: Sept. 27, 1986 ELEV. : 1,586.82 m % RECOVERY :100% CORE STORED : Camp
 OBJECTIVE: CORE SIZE: BQ LENGTH :133.81 m UNUSUAL FEAT.:

From	To	Symb	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
13.10	14.00		Granite porphyry, pink, massive slightly sheared at 45° to core axis.	696	51.86	53.40	1.54	118	0.4	140	56	
				697	53.40	54.86	1.46	99	0.4	194	57	
				698	54.86	56.15	1.29	106	0.3	136	53	
14.00	14.63		Diorite porphyry, slightly kaolinized	699	56.15	57.55	1.40	530	0.4	189	62	
				700	57.55	58.95	1.40	750	3.1	3,605	67	
				701	58.95	59.89	0.94	147	0.8	392	66	
14.63	17.75		Diorite porphyry, light grey and white, highly kaolinized, sheared, faulted, fragments mixed with fault gauge, core recovery 50%.	702	59.89	60.69	0.80	143	0.8	556	97	
				703	60.69	61.70	1.01	215	0.7	349	95	
				704	61.70	62.57	0.87	205	0.5	196	67	
				705	62.57	63.55	0.98	168	0.7	416	113	
				706	63.55	64.50	0.95	190	0.6	394	84	
17.75	18.65		Granite porphyry, pink and grey, cut by white quartz veinlets at various angles to the core.	707	64.50	65.40	0.90	163	0.7	640	94	
				708	65.40	66.10	0.70	80	0.2	18	43	
				709	66.10	67.66	1.56	61	0.4	141	49	
				710	67.66	69.19	1.53	81	0.3	139	68	
				711	69.19	71.17	1.98	42	0.4	153	102	
				712	71.17	72.29	1.12	60	0.4	209	140	
				713	72.29	73.39	1.10	30	0.4	137	119	
18.65	23.20		Granite porphyry, pink and green, minor quartz veinlets, diorite porphyry intervals.	714	73.39	73.91	0.52	69	0.4	111	119	
				715	73.91	74.31	0.40	187	1.0	434	72	
				716	74.31	75.44	1.13	42	0.5	107	98	
				717	75.44	77.17	1.73	51	0.2	54	93	
				718	77.17	77.72	0.55	78	0.1	66	79	
				719	77.72	79.40	1.68	115	0.4	65	78	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 3 OF 9
HOLE NO. : DDH 17	LAT. : 0+51N	TRUE BRG : 225°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 25, 1986	DEP. : 5+74E	SURVEY AT :	DATE : Sept. 28, 1986
COMPLETED: Sept. 27, 1986	ELEV. : 1,586.82 m	% RECOVERY :100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH :133.81 m	UNUSUAL FEAT.:

From	To	Symb	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
23.20	31.60		Diorite porphyry, grey, massive occasional bands of pink granite por - phyry, sericitic alteration locally.	720	79.40	80.20	0.80	350	0.5	189	108	
				721	80.20	81.08	0.88	270	0.4	120	94	
				722	81.08	82.25	1.17	143	0.5	200	92	
				723	82.25	82.75	0.50	34	0.4	68	83	
31.60	37.79		Andesite, green, massive, porphyritic, contact with porphyry above at 60° to core axis. Minor hematite coated fractures.	724	82.75	84.20	1.45	41	0.4	71	115	
				725	84.20	86.25	2.05	28	0.7	325	167	
				726	86.25	87.45	1.20	31	0.8	377	138	
				727	87.45	88.60	1.15	87	0.5	191	129	
37.79	39.32		Granite porphyry, pink and green, slightly chloritic, sericitic filter- ation throughout, hard, silicified.	728	90.08	91.45	1.37	94	0.5	204	137	
				729	91.45	92.35	0.90	45	0.4	117	93	
				730	92.35	93.25	0.90	47	0.3	87	83	
				731	93.25	94.70	1.45	42	0.5	69	109	
39.32	40.54		Granite porphyry as above, but more chloritized, occasional quartz vein- lets at 45 - 60° to core axis.	732	94.70	96.23	1.53	86	0.7	211	96	
				733	96.23	96.93	0.70	158	0.6	370	89	
				734	96.93	97.64	0.71	360	0.6	399	100	
				735	97.64	98.80	1.16	121	0.6	288	151	
40.54	45.55		Granite porphyry, pink and green, chloritic, disseminated pyrite 1%, minor hairline quartz veinlets.	736	98.80	99.97	1.17	85	0.5	93	129	
				737	99.97	101.49	1.52	41	0.3	67	97	
				738	101.49	103.02	1.53	30	0.2	44	98	
				739	103.02	106.98	3.96	37	0.2	28	104	
				740	106.98	108.66	1.68	54	0.5	187	184	
				741	108.66	109.36	0.70	77	0.4	29	134	
				742	109.36	110.50	1.14	26	0.4	124	906	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -55°	PAGE 4 OF 9
HOLE NO. : DDH 17	LAT. : 0+51N	TRUE BRG : 225°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 25, 1986	DEP. : 5+74E	SURVEY AT :	DATE : Sept. 28, 1986
COMPLETED: Sept. 27, 1986	ELEV. : 1,586.82 m	% RECOVERY :100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH :133.81 m	UNUSUAL FEAT.:

From	To	Symb	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
45.55	46.20		Granite porphyry, pink, cut by several quartz veinlets 2 - 3 mm across, disseminated pyrite 1%.	743	110.50	110.95	0.45	10	0.5	53	243	
				744	110.95	113.08	2.13	41	0.4	85	153	
				745	113.08	114.90	1.82	79	1.1	43	93	
				746	114.90	116.30	1.40	68	0.5	14	93	
46.20	47.40		Granite porphyry, light grey bleached silicified, disseminated pyrite 5-8%, numerous quartz veinlets throughout the section.	747	116.30	117.25	0.95	30	0.4	9	92	
				748	117.25	117.90	0.65	105	0.5	103	138	
				749	117.90	118.70	0.80	14	0.1	4	88	
				750	118.70	120.10	1.40	15	0.1	5	50	
47.40	51.24		Granite porphyry as above to 47.40 m, disseminated pyrite 1 - 3%. At 49.60 - 49.70 m, two white quartz veins at 35° to core axis.	751	120.10	121.00	0.90	10	0.1	3	34	
				752	121.00	122.40	1.40	30	0.1	16	40	
				753	122.40	123.75	1.35	35	0.1	6	54	
				754	123.75	125.00	1.25	22	0.1	11	39	
51.24	51.86		Granite porphyry, slightly bleached section.	755	125.00	126.19	1.19	29	0.1	19	86	
				756	126.19	127.68	1.49	25	0.2	36	40	
				757	127.68	128.62	0.94	6	0.1	5	49	
				758	128.62	130.35	1.73	15	0.2	5	84	
51.86	59.89		Granite porphyry, pink and green massive occasional quartz veinlets cutting the unit at 75° - 90° to core axis. Disseminated fine grained pyrite 5-8%, locally 10%, trace chalcopy.	759	130.35	131.35	1.00	23	0.3	69	110	
				760	131.35	132.48	1.13	115	1.1	163	213	
				761	132.48	133.50	1.02	43	0.7	127	132	

DRILL RECORD

IMPERIAL METALS CORPORATION

PROPERTY : Takla-Rainbow	LOCATION : West Drill Grid	CORRECT DIP: -50°	PAGE 1 OF 6
HOLE NO. : DDH 18	LAT. : 0+79N	TRUE BRG : 225°	LOGGED BY : R. Pesalj
COMMENCED: Sept. 27, 1986	DEP. : 6+75E	SURVEY AT :	DATE : Sept. 28, 1986
COMPLETED: Sept. 29, 1986	ELEV. : 1,581.56 m	% RECOVERY :100%	CORE STORED : Camp
OBJECTIVE:	CORE SIZE: BQ	LENGTH :107.89 m	UNUSUAL FEAT.:

From	To	Symb	Description	No.	From	To	Lgth	Analysis				
								Au (ppb)	Ag (ppm)	Cu (ppm)	Zn (ppm)	Au (oz/t)
0.00	6.71		Overburden, blocks of diorite, porphyry coated with limonite, casing	762	15.25	17.07	1.82	6	0.1	27	41	
				763	17.07	18.59	1.52	2	0.1	9	44	
				764	18.59	20.12	1.53	2	0.1	5	35	
				765	20.12	21.64	1.52	3	0.1	6	37	
				766	21.64	23.10	1.46	1	0.1	15	38	
				767	23.10	24.60	1.50	11	0.1	30	40	
6.71	14.00		Diorite porphyry, grey, massive, consists of white plagioclase phenocrysts set in grey plagioclased rich matrix. From 0.00 to 13.41 the unit is fractured, fractures limonite coated. Disseminated pyrite less than 1%.	768	43.20	44.70	1.50	24	0.1	4	22	
				769	44.70	45.00	1.20	68	0.1	4	36	
				770	45.90	46.48	0.58	16	0.1	5	36	
				771	46.48	48.22	1.74	51	0.3	11	103	
				772	48.22	49.13	0.91	12	0.1	7	34	
				773	52.73	53.80	1.07	22	0.1	8	40	
				774	65.10	66.00	0.90	360	1.1	821	121	
				775	74.13	75.13	1.00	54	0.5	299	69	
				776	75.13	75.90	0.77	39	0.3	74	76	
				777	76.70	77.50	0.80	21	0.3	10	67	
14.00	15.25		Granite porphyry, grey matrix, pink k-spar, phenocrysts, fresh, massive, no visible sulphides.	778	79.30	79.70	0.60	53	0.6	402	103	
				779	80.70	81.83	1.53	221	2.1	1,903	68	
				780	86.56	87.20	0.64	32	0.2	38	110	
				781	87.20	88.09	0.89	62	0.4	119	84	
				782	88.09	88.99	0.90	37	0.4	182	110	
15.25	24.60		Diorite porphyry light grey and white, bleached, hard, minor thin quartz veinlets, no visible sulphides.	783	88.99	89.61	0.62	195	0.6	31	73	
				784	89.61	90.63	1.02	45	0.5	62	146	
				785	95.69	96.10	0.41	47	0.4	295	99	
				786	96.10	97.50	1.40	7	0.3	102	71	

APPENDIX II

Analytical Data

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED OCT 16 1986

DATE REPORTS MAILED

Oct 20/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORP PROJECT 4117 FILE# 86-2483 R

PAGE# 1

SAMPLE

Au**
oz/t

6877

.202

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED SEPT 9 1986

DATE REPORTS MAILED 13 Sept

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER: B. Tsang ^{for} DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 86-1865 R

PAGE# 1

SAMPLE	Au** oz/t
1809	.130
1830	.088
1831	.014
1832	.031
1833	.016
1834	.044
1840	.272
8589	.193

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED AUG 25 1986

DATE REPORTS MAILED

Aug 27/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORPORATION PROJECT 4117 FILE# 86-2128 R PAGE# 1

SAMPLE	Au** oz/t
TRS 4+00N B/L	.047
TR-22	.138
6009	.156
6044	2.772

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.

DATE RECEIVED OCT 17 1986

PH: (604)253-3158 COMPUTER LINE:251-1011

DATE REPORTS MAILED

Oct 21/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE . CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORP PROJECT 4117 FILE# 86-2436 R

PAGE# 1

SAMPLE	Au** oz/t
6352	.084
6353	1.220
6357	.048

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS, VANCOUVER B.C.

PH: (604)253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED SEPT 9 1986

DATE REPORTS MAILED 13 Sept

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER: B. Tsang ^{for} DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORPORATION PROJECT 4117 FILE# 86-2184 R PAGE# 1

SAMPLE	Au** oz/t
6066	.069
6074	.094

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED OCT 9 1986

DATE REPORTS MAILED

Oct 14/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
Au** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 86-2897 R PAGE# 1

SAMPLE	Au** oz/t
0594	.103
0618	.029
0629	.034
0630	.042

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT 9 1986

DATE REPORTS MAILED

13 Sept

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER: B. Jeung ^{for} DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORPORATION PROJECT 4117 FILE# 86-2019 R PAGE# 1

SAMPLE

Au**
oz/t

1976

.055

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.

PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED OCT 14 1986

DATE REPORTS MAILED

Oct 19/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 86-2128 R

PAGE# 1

SAMPLE

Au**
oz/t

6043

.021

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS, VANCOUVER B.C.

FH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED SEPT 9 1986

DATE REPORTS MAILED

13 Sept

ASSAY CERTIFICATE

SAMPLE TYPE : PULP

AU** BY FIRE ASSAY

ASSAYER:

B. Jiang

^{for}

DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORPORATION

PROJECT 4117

FILE# 86-2128 R

PAGE# 1

SAMPLE

Au**

oz/t

6008

.017

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED OCT 9 1986
DATE REPORTS MAILED *Oct 14/86*

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 86-2996 R PAGE# 1

SAMPLE	AU** oz/t
0536	.053

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

DATE RECEIVED SEPT 9 1986

DATE REPORTS MAILED 13 Sept

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
METH BY FIRE ASSAY

ASSAYER: B. Jiang ^{for} DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS CORPORATION PROJECT 4117 FILE# 86-2343 R PAGE# 1

SAMPLE	Au** oz/t
6226	.046

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604)253-3158 COMPUTER LINE:251-1011

DATE RECEIVED OCT 14 1986

DATE REPORTS MAILED Oct 18/86

ASSAY CERTIFICATE

SAMPLE TYPE : PULP
AU** BY FIRE ASSAY

ASSAYER D. Toye DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 86-2566 R

PAGE# 1

SAMPLE

Au**
oz/t

6517

.071

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : CORE - CRUSHED AND PULVERIZED TO -100 MESH.
Au* - 10 GM,IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

ASSAYER *D. Toye* DEAN TOYE , CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT 4117 FILE# 86-1865 PAGE# 1

SAMPLE	Au* ppb
1801	115
1802	95
1803	635
1804	535
1805	120
1806	195
1807	33
1808	65
1809	4500
1810	110
1811	130
1812	155
1813	275
1814	280
1815	210
1816	135
1817	155
1818	110
1819	145
1820	70
1821	90
1822	95
1823	110
1824	115
1825	840
1826	915
1827	445
1828	130
1829	400
1830	3300
1831	485
1832	1450
1833	520
1834	1600
1835	405
1836	850

SAMPLE	Auf ppb
1837	810
1838	455
1839	430
1840	9500
1841	420
8583	50
8584	70
8585	30
8586	10
8587	15
8588	17
8589	5010
8590	290
8591	80
8592	33
8593	45
8594	130
8595	15
8596	34
8597	70
8598	55
8599	43
8600	135

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: PULP

DATE RECEIVED: AUG 12 1986

DATE REPORT MAILED: *Aug 15/86*

ASSAYER: *D. Jeyaraj* DEAN TOYE

CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT - 4117 FILE # 86-1865R

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	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM
1801	1	67	10	64	.1	38	23	826	4.07	12	5	ND	1	64	1	2	4	40	1.64	.074	10	39	1.16	39	.07	8	1.12	.05	.23	1
1802	1	181	6	127	.3	23	34	2286	6.51	19	5	ND	2	344	1	2	2	193	4.03	.113	9	33	3.47	50	.26	2	2.90	.03	1.72	1
1803	1	868	12	164	.9	23	49	2566	10.45	27	5	ND	1	153	1	2	7	217	2.88	.106	10	38	3.87	22	.16	3	3.04	.02	1.18	1
1804	1	175	17	102	.8	19	61	1373	12.84	41	5	ND	1	66	2	3	7	182	1.86	.100	16	27	2.60	12	.19	2	2.21	.03	.90	1
1805	1	130	4	112	.3	13	29	1554	6.74	26	5	ND	1	124	1	2	2	148	3.02	.126	8	21	2.88	48	.13	2	2.27	.03	.28	1
1806	1	188	11	108	.4	16	42	1281	9.63	31	5	ND	1	104	1	3	2	143	1.70	.125	10	20	2.51	20	.13	2	2.09	.02	.35	1
1807	1	11	7	122	.1	16	26	2148	5.39	19	5	ND	1	113	1	2	2	148	2.95	.119	7	22	3.24	80	.22	4	2.81	.02	1.00	1
1808	1	31	9	128	.1	18	35	2040	6.21	32	5	ND	1	125	1	2	2	160	2.11	.118	4	22	3.28	42	.27	3	2.99	.02	1.67	7
1809	1	124	15	114	1.1	33	87	1350	12.78	49	5	3	1	56	1	2	4	112	1.51	.097	8	18	2.26	15	.22	2	2.10	.02	.82	1
1810	1	20	6	141	.2	26	47	1637	6.68	27	5	ND	1	69	1	2	2	142	1.92	.122	6	27	2.90	32	.26	2	2.65	.02	1.36	1
1811	1	76	8	136	.2	20	54	1759	6.15	26	5	ND	2	172	1	2	2	109	3.50	.103	6	21	2.59	49	.16	5	2.61	.01	.44	1
1812	1	181	11	116	.2	15	32	1591	5.53	27	5	ND	1	135	1	2	2	139	2.66	.119	5	20	2.75	49	.27	3	2.39	.02	.78	3
1813	1	199	4	124	.4	19	41	1949	6.63	33	5	ND	1	111	1	2	2	155	3.06	.117	4	21	3.00	42	.29	4	2.62	.02	1.10	2
1814	2	173	9	140	.3	22	50	1902	8.90	27	5	ND	1	91	1	2	2	178	1.82	.116	5	29	3.54	25	.30	2	3.11	.02	1.37	1
1815	1	278	20	146	.5	18	48	2571	8.62	28	5	ND	2	117	1	2	4	177	3.47	.102	7	35	3.66	36	.23	3	3.14	.01	.94	1
1816	1	144	2	135	.2	15	28	2388	6.11	17	6	ND	2	164	1	2	2	170	4.12	.109	6	29	3.12	75	.25	2	2.68	.02	.68	1
1817	1	63	4	113	.2	18	24	2171	5.37	14	5	ND	2	152	1	2	2	164	4.42	.114	9	31	3.03	69	.25	6	2.57	.03	.60	1
1818	1	100	7	107	.2	18	31	1689	5.44	23	5	ND	1	129	1	2	2	146	3.07	.127	9	24	2.83	62	.27	2	2.42	.03	.69	2
1819	1	111	4	112	.1	19	32	1759	5.73	26	5	ND	1	113	1	2	2	152	2.21	.131	11	26	3.10	68	.30	3	2.62	.03	.63	2
1820	1	120	11	106	.1	17	32	1644	5.79	20	5	ND	1	145	1	2	2	158	2.81	.129	11	25	2.80	61	.31	2	2.54	.03	.74	1
1821	1	107	3	114	.1	21	31	1631	5.98	24	5	ND	1	175	1	2	2	166	2.80	.131	11	25	2.95	56	.31	2	2.54	.03	.75	1
1822	1	129	5	128	.2	33	30	2480	6.44	21	5	ND	2	253	1	2	2	185	5.55	.116	15	43	3.50	61	.20	3	2.67	.02	.25	2
1823	1	181	11	159	.2	45	41	2084	6.50	26	5	ND	2	97	1	2	2	111	3.91	.117	13	22	3.31	62	.10	2	2.79	.02	.79	1
1824	1	193	11	158	.2	24	42	1487	6.58	27	5	ND	1	62	1	2	2	139	1.47	.141	11	18	3.46	30	.20	4	3.01	.03	1.71	1
1825	1	329	19	154	.6	57	60	1862	11.82	25	5	ND	1	52	1	2	4	150	1.87	.117	14	25	3.45	27	.23	2	3.37	.03	2.06	1
1826	2	413	5	171	.7	91	86	1972	12.76	45	5	ND	1	49	1	2	5	126	1.84	.162	17	108	3.54	22	.17	3	3.13	.02	1.40	1
1827	1	145	10	169	.3	50	41	2222	9.24	27	5	ND	1	73	1	2	2	110	2.66	.157	12	78	3.32	38	.10	2	2.76	.02	.50	1
1828	1	189	2	193	.2	40	39	2123	7.82	25	5	ND	1	89	1	2	4	118	2.27	.159	9	81	3.80	46	.09	2	3.23	.02	.79	1
1829	1	396	9	147	.6	26	46	1615	7.44	23	5	ND	1	109	1	2	2	122	2.14	.176	9	26	3.10	32	.18	3	2.77	.03	.98	1
1830	1	149	14	152	.4	31	33	1723	7.02	24	5	2	1	223	1	2	2	109	3.26	.173	9	40	3.07	35	.10	2	2.63	.02	.67	1
1831	1	137	2	119	.4	23	35	1661	7.97	18	6	ND	1	176	1	2	2	80	3.14	.157	7	39	2.47	16	.02	2	2.02	.01	.44	1
1832	2	353	7	105	.5	15	37	1460	7.37	20	5	ND	1	132	1	2	2	59	2.78	.164	6	11	2.14	16	.01	3	1.51	.01	.34	1
1833	1	379	6	100	.7	11	36	1220	6.46	19	5	ND	1	152	1	2	2	76	2.69	.160	6	14	2.05	24	.04	2	1.85	.02	.53	1
1834	2	631	14	139	.9	47	42	1505	9.89	35	5	ND	1	103	1	2	3	76	2.07	.121	5	84	2.66	21	.02	4	2.31	.02	.36	1
1835	4	553	9	133	.5	17	33	1632	6.88	20	5	ND	1	115	1	2	2	60	2.59	.102	3	23	2.95	38	.01	3	2.38	.02	.21	1
1836	3	1045	11	167	1.3	25	60	1734	12.51	41	5	ND	1	48	1	3	11	102	1.59	.134	3	24	3.40	19	.10	2	3.04	.01	.88	1
STD C	20	62	41	138	7.2	68	31	1111	3.93	43	21	8	34	48	17	17	21	63	.48	.105	37	61	.88	176	.08	40	1.72	.06	.14	13

IMPERIAL METALS PROJECT - 4117 FILE # 86-1865R

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
1837	1	134	14	140	.5	28	36	1389	8.67	24	5	ND	1	69	2	2	2	101	1.78	.149	9	37	3.05	21	.11	2	2.70	.03	1.13	1
1838	1	424	9	103	.7	25	37	1127	7.22	24	5	ND	1	129	1	2	2	106	2.00	.172	9	11	2.55	23	.14	3	2.26	.03	1.03	1
1839	1	537	7	96	.7	24	23	930	7.47	35	5	ND	1	96	1	2	2	115	1.40	.202	5	13	2.66	21	.19	7	2.26	.02	.82	1
1840	1	544	12	87	1.1	42	24	876	7.58	31	5	8	1	64	1	2	2	111	1.17	.083	6	233	2.54	21	.15	5	2.15	.02	1.06	1
1841	1	410	10	117	.5	58	41	1037	7.46	30	5	ND	1	42	1	2	2	111	1.36	.180	5	25	3.07	25	.12	6	2.61	.02	1.27	1
8583	1	114	10	100	.3	21	33	1323	4.68	17	5	ND	1	90	1	2	2	105	1.55	.147	2	35	2.47	43	.23	5	2.10	.05	.65	1
8584	1	144	4	116	.4	25	39	1630	5.83	22	5	ND	1	122	1	2	2	124	2.31	.136	4	37	2.91	40	.22	6	2.40	.05	.71	1
8585	1	7	2	59	.2	13	14	826	2.70	7	5	ND	1	100	1	2	2	44	1.68	.094	5	26	1.21	29	.06	2	1.28	.04	.10	2
8586	1	5	2	66	.3	21	11	737	2.29	7	5	ND	1	60	1	2	2	37	.91	.077	3	34	1.24	46	.08	4	1.16	.06	.13	2
8587	1	7	2	66	.1	22	15	777	2.44	8	5	ND	1	57	1	2	2	36	.97	.078	4	35	1.25	46	.08	2	1.18	.06	.14	1
8588	1	7	4	57	.1	17	6	684	1.81	8	5	ND	1	61	1	2	2	34	.87	.072	3	33	1.12	42	.09	2	1.12	.06	.15	1
8589	1	3671	12	68	3.1	27	24	904	7.28	13	5	5	1	60	1	2	2	59	1.98	.089	10	22	1.23	25	.14	8	1.37	.02	.94	1
8590	1	142	7	50	.3	19	24	1059	3.73	10	5	ND	1	87	1	2	2	59	3.28	.109	13	24	1.17	40	.14	3	1.26	.04	.63	3
8591	3	19	3	39	.1	16	15	1012	2.51	5	5	ND	1	97	1	2	3	28	2.92	.068	5	25	.87	72	.05	7	.89	.04	.26	13
8592	1	8	5	52	.1	18	10	680	2.29	5	5	ND	1	50	1	2	2	28	1.53	.074	5	34	.97	72	.02	3	.97	.04	.18	2
8593	1	18	14	119	.2	44	33	1773	5.95	13	5	ND	1	184	2	2	2	168	3.48	.138	9	79	3.74	50	.19	4	2.90	.03	.53	1
8594	1	62	2	111	.5	27	26	1650	5.14	17	5	ND	1	188	1	2	2	151	4.10	.138	9	38	2.79	83	.23	5	2.42	.03	.93	1
8595	1	116	13	134	.3	164	24	1774	4.69	14	5	ND	1	166	1	2	2	115	2.04	.165	5	207	4.18	68	.20	4	2.83	.04	.67	1
8596	3	98	8	105	.4	61	51	1421	6.19	21	5	ND	1	67	1	2	2	107	1.51	.153	6	138	2.90	32	.20	8	2.12	.04	.34	1
8597	1	130	10	93	.2	40	32	1310	5.09	13	5	ND	1	166	1	2	2	105	1.72	.131	5	52	2.44	30	.23	6	1.94	.04	.26	2
8598	1	157	8	91	.2	42	43	1229	5.44	21	5	ND	1	178	1	2	2	110	1.60	.154	4	64	2.30	16	.23	3	1.87	.04	.11	1
8599	1	51	6	129	.2	44	36	1775	5.81	20	5	ND	1	163	1	2	2	133	3.75	.154	6	70	3.07	17	.22	5	2.34	.03	.18	1
8600	1	12	11	140	.2	41	34	1784	7.23	22	5	ND	1	148	1	2	2	131	3.55	.147	5	69	3.30	48	.17	8	2.73	.03	.73	1
STD C	20	62	35	135	7.2	66	30	1086	3.90	44	21	8	34	49	17	15	19	62	.46	.106	38	60	.87	182	.08	38	1.71	.07	.13	13

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 AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 13 1986

DATE REPORT MAILED:

Aug 15/86

ASSAYER: *D. Lopez* ... DEAN TOYE

CERTIFIED B.C. ASSAYER

IMPERIAL METALS PROJECT - 4117 FILE # 86-2019

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
1970	2	5	5	23	.2	7	6	943	1.87	9	5	ND	2	49	1	2	2	10	2.39	.063	5	8	.26	76	.01	4	.51	.07	.30	1	50
1971	1	3	3	31	.1	8	4	910	1.53	4	5	ND	2	45	1	3	2	12	1.77	.064	6	7	.45	154	.01	4	.66	.07	.26	1	19
1972	1	6	5	51	.2	10	8	1031	1.58	7	5	ND	2	78	1	2	2	8	2.46	.070	6	8	.34	93	.01	4	.57	.06	.26	2	43
1973	2	11	2	49	.1	7	5	2751	1.65	5	5	ND	2	93	1	2	2	8	4.06	.058	7	11	.68	163	.01	4	.86	.07	.28	2	70
1974	1	22	5	49	.1	6	5	3079	1.90	5	5	ND	2	79	1	2	2	9	3.64	.054	10	4	.81	97	.01	4	.96	.06	.26	1	42
1975	1	10	2	18	.1	5	2	1208	.75	6	5	ND	1	48	1	2	2	5	1.72	.065	4	1	.20	109	.01	3	.42	.06	.21	1	43
1976	1	15	14	17	1.1	7	4	1189	1.65	8	5	2	2	63	1	2	4	6	2.53	.061	2	2	.22	47	.01	4	.43	.07	.22	1	2050
1977	1	9	922	21	4.0	6	4	793	1.19	5	5	ND	1	81	1	2	12	9	1.93	.063	3	5	.30	88	.01	4	.53	.08	.23	1	185
1978	1	160	7	120	.2	13	18	1939	4.19	13	5	ND	2	100	1	2	2	110	2.30	.162	2	5	2.15	51	.17	6	2.00	.12	.07	1	22
1979	1	114	10	177	.2	21	16	2261	4.48	13	5	ND	1	119	1	2	2	107	2.61	.160	2	48	2.48	68	.13	6	2.17	.10	.12	1	15
1980	1	13	6	42	.1	9	4	694	1.24	4	5	ND	1	66	1	2	2	15	1.17	.065	2	10	.48	135	.02	3	.67	.08	.15	1	10
1981	1	5	8	39	.1	8	3	876	1.26	3	5	ND	1	72	1	2	2	12	2.00	.071	3	10	.42	115	.01	4	.64	.07	.20	1	13
1982	5	12	7	107	.3	10	17	2251	5.32	10	5	ND	3	117	1	2	2	168	4.80	.100	7	23	2.21	72	.15	5	2.11	.10	1.17	1	70
1983	2	48	4	123	.1	11	16	2179	5.42	12	5	ND	2	81	1	2	2	170	3.13	.103	2	26	2.62	105	.19	5	2.31	.10	.99	1	23
1984	7	112	4	111	.8	11	16	2271	4.71	11	5	ND	2	118	1	2	2	142	4.51	.101	5	21	2.09	96	.17	5	2.02	.10	1.22	1	395
1985	1	39	7	133	.1	11	19	2128	5.86	15	5	ND	2	77	1	2	2	142	3.23	.107	5	27	2.62	94	.17	5	2.31	.11	.53	1	15
1986	1	69	4	129	.3	12	27	2054	4.68	13	5	ND	2	87	1	2	2	99	4.02	.105	3	23	2.15	61	.11	4	2.02	.09	.47	1	22
1987	1	4	6	19	.1	6	9	716	1.66	5	5	ND	1	68	1	2	2	5	1.94	.062	2	1	.33	41	.01	4	.26	.06	.21	1	23
1988	1	6	3	29	.1	6	7	791	1.78	6	5	ND	2	57	1	2	2	9	1.53	.066	6	3	.45	69	.01	6	.33	.06	.24	1	25
1989	1	17	8	117	.1	19	14	2266	6.45	19	5	ND	2	93	1	2	2	161	2.66	.149	6	48	3.16	45	.03	4	2.63	.09	.11	1	16
1990	1	33	6	119	.1	19	22	2194	6.77	22	5	ND	2	87	1	2	2	158	2.93	.139	3	25	3.15	15	.03	3	2.59	.09	.10	1	14
1991	1	11	9	120	.2	20	19	2125	6.70	19	5	ND	2	90	1	2	2	152	3.63	.152	6	39	2.81	12	.01	5	2.34	.08	.17	1	22
1992	1	15	3	128	.2	19	20	2092	7.16	23	5	ND	2	89	1	2	2	169	3.17	.146	6	21	2.95	31	.02	3	2.43	.09	.17	1	340
1993	2	9	8	106	.2	15	19	2101	5.79	21	5	ND	2	90	1	2	2	155	4.17	.134	5	23	2.34	49	.01	5	1.95	.10	.11	1	28
1994	1	25	9	153	.2	28	22	2668	6.65	12	5	ND	2	85	1	2	2	164	3.52	.119	5	74	3.36	38	.02	3	2.63	.09	.20	1	30
1995	1	12	7	114	.1	23	23	2245	4.49	10	5	ND	3	92	1	2	2	112	5.88	.107	3	48	1.82	33	.02	4	1.53	.09	.15	1	24
1996	1	18	5	46	.1	15	8	1139	2.24	7	5	ND	1	51	1	2	2	29	2.85	.071	4	23	1.00	90	.01	5	.40	.08	.22	2	60
1997	1	23	11	82	.2	21	10	2230	3.28	8	5	ND	3	103	1	2	2	70	9.63	.059	4	34	3.51	134	.01	6	.33	.11	.12	1	42
1998	1	39	13	88	.6	21	13	1930	3.63	7	5	ND	3	91	1	2	3	57	10.75	.047	3	11	4.09	58	.01	7	.41	.11	.23	1	65
1999	4	120	8	105	.4	17	17	2505	6.28	19	5	ND	2	72	1	2	2	102	4.74	.114	8	24	2.09	35	.01	8	.63	.08	.30	1	55
2000	1	24	7	92	.2	15	10	2451	7.88	15	5	ND	3	100	1	2	2	120	5.58	.133	7	16	2.02	29	.02	3	1.33	.09	.27	1	24
6001	1	45	10	136	.3	22	28	2542	9.50	23	5	ND	3	79	1	2	2	136	4.41	.142	9	20	2.70	26	.04	2	2.20	.09	.42	1	75
6002	4	36	14	211	.5	31	40	3104	9.63	22	5	ND	3	101	1	2	2	130	7.26	.122	11	18	2.30	32	.04	2	1.78	.09	.45	1	120
6003	3	45	13	115	.3	21	24	2940	6.38	11	5	ND	2	110	1	2	2	89	6.67	.136	9	15	.98	45	.01	6	.60	.08	.30	1	50
STD C/AU-0.5	21	62	40	143	7.0	73	30	1144	3.99	41	16	8	36	51	19	16	21	71	.48	.107	39	63	.88	180	.09	37	1.73	.10	.15	12	515

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.SM.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 13 1986 DATE REPORT MAILED: *Aug 16/86* ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS CORPORATION PROJECT - 4117 FILE # 86-2030 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 %	R PPM	Al %	Na %	K %	W PPM	Au1 PPB
X 1914	1	14	4	42	.1	13	7	1299	1.89	6	5	ND	1	43	1	4	2	19	2.51	.080	7	13	.63	145	.01	6	.38	.07	.18	1	26
X 1915	1	33	2	45	.2	11	13	1479	3.06	11	5	ND	2	60	1	5	2	26	3.51	.093	7	8	.92	27	.01	6	.46	.06	.21	1	25
X 1916	7	66	7	108	.5	24	30	2366	6.77	19	5	ND	2	115	1	2	2	136	3.69	.142	9	62	2.24	23	.02	5	2.17	.07	.14	1	210
X 1917	1	22	5	163	.3	26	25	3014	7.11	16	5	ND	1	82	1	2	2	184	2.76	.148	4	97	3.95	25	.03	3	3.05	.07	.07	1	50
X 1918	1	354	12	121	.6	22	25	2715	6.70	25	7	ND	2	135	1	2	2	170	4.32	.141	11	77	3.16	20	.05	10	2.70	.07	.08	1	95
X 1919	1	41	6	162	.4	27	38	2955	7.04	15	5	ND	2	95	1	2	2	155	3.85	.145	5	87	3.73	29	.09	6	2.82	.07	.37	1	44
X 1920	2	15	7	132	.3	13	18	2831	5.66	18	5	ND	1	118	1	3	2	124	4.37	.127	4	9	3.02	38	.03	5	2.10	.07	.32	1	15
X 1921	4	78	5	137	.4	16	23	2897	6.53	19	5	ND	2	145	1	2	2	135	5.11	.118	5	16	2.84	35	.02	5	2.25	.07	.31	1	21
X 1922	1	14	7	94	.3	18	31	2289	6.09	15	8	ND	2	93	1	2	2	89	4.43	.153	4	29	1.84	16	.01	7	.76	.06	.19	1	25
X 1923	1	8	7	132	.2	17	21	2573	6.19	7	5	ND	2	91	1	2	2	123	3.02	.139	5	19	2.95	31	.01	7	2.19	.07	.21	1	19
X 1924	1	27	7	131	.3	16	19	2590	6.32	14	8	ND	2	146	1	2	2	147	4.59	.130	7	13	2.94	42	.02	10	2.48	.07	.28	1	31
X 1925	1	15	5	107	.3	14	14	2449	5.33	9	5	ND	2	127	1	2	2	142	5.00	.128	4	23	2.81	47	.09	4	2.44	.08	.40	1	16
X 1926	18	51	8	85	.4	20	19	1698	4.96	8	7	ND	1	82	1	2	2	46	3.49	.104	5	20	1.88	15	.01	7	1.10	.07	.19	1	21
X 1927	3	80	7	53	.2	16	13	1149	3.38	13	5	ND	1	67	1	6	2	20	2.69	.084	4	9	.91	17	.01	8	.48	.06	.20	1	26
X 1928	7	32	8	75	.3	18	22	1488	4.63	13	5	ND	2	59	1	2	2	27	2.95	.115	3	10	1.40	16	.01	6	.67	.06	.24	1	75
X 1929	1	22	7	80	.2	15	22	1756	4.86	9	6	ND	1	87	1	2	2	37	4.10	.124	4	16	1.59	19	.01	8	.58	.06	.24	1	49
X 1930	1	511	3	115	.6	15	25	2170	6.10	10	5	ND	2	1474	1	2	2	144	5.04	.122	8	23	2.58	32	.02	7	1.87	.08	.18	1	34
X 1931	1	32	3	77	.3	16	19	1526	4.51	12	8	ND	2	90	1	2	2	104	4.48	.106	5	13	1.92	26	.01	6	.50	.08	.19	1	33
X 1932	1	1440	7	116	1.5	23	24	1787	7.13	21	5	ND	2	104	1	2	2	125	2.75	.109	8	28	2.64	31	.13	5	2.36	.08	1.34	1	135
X 1933	1	520	9	88	.9	22	40	1660	7.51	14	8	ND	2	134	1	25	2	64	3.14	.115	7	18	1.55	26	.02	7	1.02	.06	.46	1	115
X 1934	1	55	3	77	.3	15	16	1264	3.52	6	5	ND	2	107	1	3	2	47	2.59	.082	7	16	1.27	40	.01	4	1.23	.06	.29	1	50
X 1935	1	17	4	134	.2	16	28	1945	5.31	7	5	ND	1	123	1	2	2	123	2.99	.124	4	26	2.71	29	.11	4	2.11	.07	.25	1	28
X 1936	1	23	4	98	.2	10	19	1974	4.08	6	6	ND	2	115	1	4	2	103	4.72	.100	3	21	2.14	36	.09	4	1.88	.07	.22	1	41
X 1937	1	10	7	134	.3	12	23	1664	5.59	10	5	ND	2	90	1	4	3	120	2.52	.103	6	24	2.65	33	.12	6	2.12	.07	.35	1	52
X 1938	1	6	4	114	.1	11	19	1812	5.13	3	6	ND	2	128	1	3	2	120	3.78	.100	4	25	2.28	53	.15	4	2.01	.07	1.01	1	29
X 1939	1	19	3	117	.3	19	24	1734	5.55	8	6	ND	2	121	1	2	2	120	3.41	.108	6	21	2.47	38	.08	5	2.09	.08	.64	2	31
X 1940	1	11	4	131	.2	17	28	1911	5.59	10	5	ND	1	101	1	2	2	116	3.25	.136	6	20	2.66	35	.06	4	2.22	.08	.21	1	46
X 1941	1	32	4	94	.5	20	31	2013	5.10	13	9	ND	1	137	1	2	2	96	4.29	.122	3	14	2.15	32	.07	6	1.37	.08	.22	1	50
X 1942	1	32	2	92	.2	16	24	1785	4.51	10	5	ND	1	108	1	2	2	112	3.43	.119	2	19	2.31	14	.16	5	1.86	.08	.10	2	170
X 1943	1	48	4	83	.1	19	27	1448	4.21	18	5	ND	1	88	1	2	2	116	1.69	.128	2	22	2.25	24	.18	6	1.85	.08	.17	1	60
X 1944	1	329	7	108	.5	22	55	1990	9.07	18	5	ND	1	75	1	2	2	134	2.01	.103	5	24	3.34	18	.10	3	2.73	.07	.67	1	105
X 1945	1	434	6	97	.5	17	32	1755	7.14	10	5	ND	1	81	1	2	2	125	1.53	.111	2	22	2.91	24	.13	4	2.37	.07	.39	1	75
X 1946	1	747	5	105	.9	19	35	1804	8.46	19	5	ND	2	59	1	2	2	149	1.38	.106	2	26	3.58	23	.18	3	2.94	.07	.77	1	95
X 1947	1	482	4	90	.5	6	26	1251	5.54	19	5	ND	1	62	1	3	2	85	1.62	.148	3	4	2.02	24	.09	8	1.72	.06	.36	1	105
X 1948	2	346	5	128	.5	11	19	1694	6.09	14	5	ND	1	86	1	2	2	102	2.37	.160	4	14	3.00	27	.08	5	2.47	.06	.64	4	70
X 1949	1	69	6	106	.2	11	26	1306	6.37	17	5	ND	2	84	1	2	2	85	1.98	.163	3	13	2.21	24	.05	5	1.92	.06	.51	3	80
STD C/AU-0.5	19	61	39	140	7.3	72	29	1117	3.97	36	16	7	36	50	18	16	19	69	.48	.104	36	61	.88	186	.09	36	1.73	.09	.14	13	515

IMPERIAL METALS CORPORATION PROJECT - 4117 FILE # 86-2030

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
X 1950	1	229	12	115	.4	13	26	1414	5.74	14	5	ND	1	93	1	2	2	95	1.78	.179	4	10	2.24	33	.06	6	1.89	.06	.28	1	60
X 1951	2	940	10	129	1.0	18	33	1679	6.40	17	5	ND	2	106	1	2	2	94	2.56	.166	4	65	2.48	28	.05	6	2.12	.07	.45	1	75
X 1952	1	670	4	79	.7	20	13	847	2.88	6	5	ND	1	61	1	2	2	29	1.12	.071	4	22	1.16	61	.01	6	1.04	.06	.30	1	70
X 1953	1	11	2	45	.1	19	9	698	1.79	6	5	ND	2	49	1	2	2	20	1.37	.067	8	27	.84	84	.01	4	.82	.07	.17	2	6
X 1954	1	12	5	42	.1	25	6	799	1.83	4	5	ND	3	140	1	2	2	34	3.06	.062	11	37	1.17	247	.01	3	.99	.07	.14	1	5
X 1955	1	274	13	124	.3	25	24	2900	5.73	7	8	ND	2	359	1	2	2	121	8.33	.108	10	34	2.87	39	.01	9	2.37	.08	.16	1	35
X 1956	1	577	12	89	.8	33	27	2494	5.31	2	5	ND	4	326	1	2	2	95	8.12	.105	18	41	1.63	42	.01	6	1.39	.07	.17	1	70
X 1957	1	296	14	98	.6	38	59	2013	9.07	13	13	ND	1	231	1	2	2	118	4.38	.107	8	22	2.33	24	.01	2	1.83	.07	.23	1	120
X 1958	1	367	8	119	.6	19	23	2025	6.48	9	6	ND	1	164	1	2	2	116	3.60	.123	6	19	3.32	32	.01	5	2.42	.07	.17	1	27
X 1959	1	50	2	134	.3	27	24	2106	7.31	10	8	ND	1	201	1	2	2	141	1.66	.145	4	26	3.96	34	.10	4	2.80	.07	.29	1	30
X 1960	1	246	7	95	.3	25	38	1706	7.31	3	6	ND	1	147	1	2	2	131	1.36	.123	2	23	2.89	22	.13	5	2.13	.08	.16	1	42
X 1961	1	716	14	125	.9	27	63	2020	10.81	18	11	ND	1	335	1	2	2	150	1.58	.128	5	29	4.05	22	.09	2	2.96	.07	.62	1	60
X 1962	1	192	7	107	.4	16	25	1666	6.71	4	5	ND	1	154	1	2	2	132	2.46	.138	7	17	3.32	25	.02	5	2.44	.08	.34	1	31
X 1963	1	192	7	73	.3	8	19	1750	5.08	10	11	ND	2	233	1	2	2	47	4.06	.152	9	2	1.78	31	.01	11	.84	.07	.52	1	30
X 1964	1	32	5	93	.2	9	19	1598	4.52	8	5	ND	1	186	1	2	2	94	3.24	.169	5	28	1.92	58	.07	5	1.80	.08	.74	1	25
X 1965	4	29	7	123	.2	21	27	1564	5.63	6	9	ND	1	357	1	2	2	107	1.89	.153	2	31	2.74	52	.09	5	2.29	.08	.82	1	40
X 1966	1	22	9	98	.2	11	17	1376	4.53	11	5	ND	1	765	1	2	2	99	2.85	.172	5	8	1.92	73	.09	7	2.06	.07	.79	2	34
X 1967	1	69	6	101	.3	5	26	1431	5.08	8	5	ND	1	175	1	2	2	106	2.31	.172	5	2	2.15	49	.04	5	1.86	.07	.52	1	20
X 1968	1	210	5	137	.5	11	33	1684	6.71	18	12	ND	2	380	1	2	2	108	2.22	.157	4	18	2.73	41	.02	4	2.12	.07	.29	1	50
X 1969	1	179	8	122	.4	15	32	2162	7.36	12	8	ND	1	279	1	2	2	131	5.27	.119	7	15	2.49	34	.02	5	1.92	.08	.32	1	65
STD C/AU 0.5	20	62	40	143	7.0	72	30	1147	3.96	41	18	7	37	51	19	17	19	71	.48	.107	38	62	.88	190	.09	35	1.73	.09	.14	12	-

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEE. 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 AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 13 1986

DATE REPORT MAILED:

Aug 16/86

ASSAYER: *D. Jones* ... DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS CORPORATION PROJECT - 4117 FILE # 86-2031

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
X 1842	1	15	8	140	.1	20	32	2050	6.72	23	5	ND	1	98	1	2	2	190	1.75	.127	2	20	3.61	47	.29	2	2.66	.07	.33	1	23
X 1843	1	14	7	122	.2	18	31	1898	5.29	18	5	ND	1	273	1	2	2	171	3.08	.122	2	18	3.15	25	.21	5	2.53	.07	.15	1	20
X 1844	1	114	7	113	.2	15	49	1608	6.06	20	5	ND	1	129	1	2	2	144	3.27	.124	2	17	2.85	51	.13	10	2.47	.08	.50	1	32
X 1845	1	76	7	127	.2	19	48	1849	7.29	15	5	ND	1	179	1	2	4	169	3.65	.121	3	17	3.19	49	.11	3	2.71	.08	.56	1	30
X 1846	1	7	6	121	.2	16	31	1940	5.56	16	5	ND	1	277	1	2	2	158	4.46	.120	2	18	2.99	38	.15	4	2.58	.08	.24	1	25
X 1847	2	7	7	119	.2	18	36	2009	5.58	10	5	ND	1	174	1	2	2	145	5.25	.129	4	17	2.91	63	.06	7	2.46	.08	.21	1	25
X 1848	2	15	4	106	.1	16	38	1662	6.48	13	8	ND	1	392	1	2	2	163	3.29	.140	3	18	2.99	59	.11	5	2.59	.09	.54	1	26
X 1849	1	20	7	102	.1	15	35	1726	6.42	13	6	ND	1	327	1	2	3	160	4.06	.135	2	16	2.89	53	.08	2	2.43	.08	.37	2	80
X 1850	1	14	10	101	.1	13	26	1670	5.59	11	6	ND	1	255	1	2	2	103	4.42	.135	4	12	2.50	73	.01	5	2.26	.08	.29	2	37
X 1851	2	50	6	105	.1	16	33	1965	5.97	11	5	ND	1	1464	1	2	2	132	5.46	.121	4	17	2.85	62	.01	2	2.41	.08	.24	1	40
X 1852	1	77	5	120	.3	24	32	2090	6.33	10	8	ND	1	399	1	2	2	147	4.38	.119	4	41	3.31	65	.01	2	2.68	.08	.22	1	36
X 1853	1	25	6	88	.2	12	19	1569	5.39	8	5	ND	1	314	1	2	2	122	3.66	.126	4	13	2.14	56	.01	3	2.14	.07	.36	1	43
X 1854	1	18	10	114	.1	16	37	1989	6.85	9	8	ND	1	283	1	2	2	172	3.97	.120	5	17	2.70	58	.03	4	2.38	.08	.24	1	28
X 1855	3	347	9	95	.3	18	52	2061	7.19	9	5	ND	1	802	1	2	2	131	6.16	.119	8	16	2.44	60	.01	2	2.48	.08	.30	1	60
X 1856	1	64	10	119	.3	29	37	1946	7.38	14	5	ND	1	164	1	2	2	178	4.07	.125	7	26	2.67	63	.03	2	2.41	.08	.36	1	80
X 1857	2	25	4	152	.1	181	19	2233	5.22	14	5	ND	1	127	1	3	2	126	4.64	.123	6	202	3.99	113	.08	8	2.84	.07	.56	3	13
X 1858	2	149	6	166	.3	181	25	2628	6.99	12	5	ND	2	137	1	2	2	157	5.04	.132	6	176	4.59	150	.09	2	3.47	.08	.99	1	120
X 1859	1	18	5	114	.2	13	28	1836	6.16	5	5	ND	1	130	1	2	2	99	4.92	.139	8	8	2.22	52	.01	2	1.61	.08	.24	1	27
X 1860	10	1595	3	132	1.5	47	15	1998	6.15	8	5	ND	1	109	1	2	2	135	4.39	.134	4	42	3.28	175	.09	2	2.94	.08	1.13	1	200
X 1861	31	331	6	123	.6	31	10	1890	6.34	8	5	ND	1	89	1	2	2	131	4.09	.137	7	29	3.21	110	.12	6	2.83	.08	1.42	1	70
X 1862	7	707	9	124	1.1	45	15	2792	5.84	13	6	ND	1	143	1	2	3	60	9.06	.100	2	68	3.45	81	.01	3	.55	.08	.27	1	120
X 1863	33	234	29	84	1.2	15	21	1355	5.00	22	5	ND	1	87	1	2	2	35	4.76	.113	4	6	1.67	41	.01	7	.63	.06	.44	1	60
X 1864	3	61	7	65	.3	26	21	986	4.77	19	5	ND	1	67	1	2	2	24	2.86	.120	3	8	1.29	30	.01	6	.65	.06	.37	1	34
X 1865	1	165	10	72	.4	16	12	1142	5.38	23	5	ND	1	88	1	2	2	27	3.07	.120	2	8	1.60	37	.01	6	.61	.06	.39	1	34
X 1866	15	52	9	78	.2	11	8	1225	5.02	17	5	ND	1	81	1	2	2	26	3.52	.112	4	7	1.67	77	.01	25	.61	.06	.40	1	20
X 1867	14	97	5	84	.8	17	11	1272	5.20	18	5	ND	1	140	1	2	2	29	3.81	.113	3	6	1.85	72	.01	6	.61	.06	.38	1	290
X 1868	10	29	7	124	.3	19	8	1464	6.46	10	5	ND	1	161	1	2	2	37	3.51	.125	7	18	2.18	306	.01	3	.59	.06	.41	1	36
X 1869	6	22	8	78	.3	11	20	1580	4.92	11	5	ND	1	193	1	2	2	36	4.34	.101	3	5	1.96	34	.01	9	.67	.06	.46	1	35
X 1870	3	45	9	92	.2	14	32	1594	6.32	21	9	ND	1	152	1	2	2	36	4.38	.116	2	3	2.27	20	.01	5	.56	.06	.36	1	41
X 1871	4	80	7	99	.2	11	25	1640	6.13	21	7	ND	1	195	1	2	2	41	3.61	.120	5	4	2.26	30	.01	8	.71	.06	.51	1	38
X 1872	4	67	11	95	.3	18	40	1462	7.77	36	5	ND	1	126	1	2	2	35	3.49	.118	3	5	2.08	18	.01	3	.58	.07	.40	1	60
X 1873	3	204	10	76	.3	17	22	1101	4.63	46	5	ND	1	138	1	2	2	25	2.52	.118	3	5	1.47	29	.01	10	.56	.07	.37	1	52
X 1874	1	273	8	79	.5	19	25	1251	4.49	42	13	ND	1	273	1	2	2	25	3.97	.121	6	7	1.68	36	.01	7	.59	.06	.33	1	46
X 1875	5	173	9	82	.5	19	18	1368	4.89	26	6	ND	1	121	1	2	2	27	5.33	.115	4	8	1.74	47	.01	7	.65	.07	.40	1	45
X 1876	1	16	11	109	.3	12	11	3193	4.73	12	14	ND	1	235	1	2	3	47	12.53	.059	5	2	4.26	143	.01	5	.34	.08	.20	1	15
X 1877	1	30	10	93	.2	11	11	2413	4.21	11	8	ND	1	167	1	2	2	44	10.33	.067	2	1	3.30	160	.01	6	.39	.08	.24	1	15
STD C/AU 0.5	19	62	39	142	7.1	73	30	1138	3.97	43	16	7	37	51	19	15	21	71	.48	.108	39	59	.88	189	.09	37	1.73	.09	.14	12	495

IMPERIAL METALS CORPORATION PROJECT - 4117 FILE # 86-2031

SAMPLE#	Mo PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Ni PPH	Co PPH	Mn PPH	Fe %	As PPH	U PPH	Au PPH	Th PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Ti %	B PPH	Al %	Na %	K %	W PPH	Au# PPR
X 1878	2	60	8	79	.2	17	25	2228	5.65	11	8	ND	2	134	1	4	2	74	5.92	.113	4	10	2.08	64	.01	4	.70	.07	.28	1	29
X 1879	2	179	5	123	.2	12	9	1965	3.99	8	8	ND	1	207	1	4	2	80	6.13	.113	5	19	2.22	184	.01	4	1.52	.08	.28	1	24
X 1880	2	196	9	158	.3	18	20	2579	5.54	10	10	ND	2	232	1	2	2	113	7.46	.094	2	26	2.67	100	.02	3	2.13	.08	.29	1	40
X 1881	3	1259	13	102	1.0	17	22	2313	4.89	11	8	ND	2	193	1	2	3	86	9.06	.122	4	21	1.37	94	.02	4	1.37	.07	.41	1	135
X 1882	3	79	8	134	.4	34	23	2523	5.30	11	6	ND	2	204	1	2	2	96	8.90	.173	3	56	1.75	45	.01	4	1.53	.07	.25	1	60
X 1883	2	85	16	159	.4	53	45	2429	7.75	21	7	ND	2	143	1	2	2	159	5.14	.238	5	76	3.10	51	.10	2	2.63	.08	.41	1	60
X 1884	2	78	5	70	.2	33	27	1595	4.21	18	13	ND	1	438	1	6	2	106	4.04	.232	2	62	1.85	43	.16	7	1.67	.07	.21	1	50
X 1885	2	29	5	130	.2	26	35	2012	5.96	20	5	ND	1	122	1	2	2	159	4.71	.116	2	25	2.94	35	.21	4	2.39	.08	.23	1	55
X 1886	2	22	10	140	.2	24	40	1722	6.69	14	5	ND	1	129	1	2	2	142	2.89	.124	2	20	2.81	53	.15	3	2.41	.07	.36	1	60
X 1887	2	122	7	128	.3	22	41	1801	6.49	14	6	ND	2	150	1	2	2	142	3.62	.114	2	21	2.73	40	.17	3	2.22	.07	.22	1	55
X 1888	1	26	4	134	.2	21	31	1837	6.05	15	5	ND	1	215	1	2	2	138	2.69	.134	2	22	2.87	54	.13	3	2.44	.07	.57	1	49
X 1889	2	35	4	105	.1	18	39	1597	6.43	13	6	ND	1	213	1	2	2	158	2.20	.122	2	19	2.51	48	.26	2	2.24	.07	.73	1	75
X 1890	1	72	8	113	.1	16	21	1811	5.26	11	10	ND	1	207	1	3	2	138	3.06	.128	2	17	2.84	49	.21	7	2.44	.07	.32	1	38
X 1891	1	14	3	110	.1	18	21	1690	6.46	9	6	ND	1	229	1	2	2	162	2.00	.136	2	19	2.97	62	.23	3	2.51	.08	.59	1	49
X 1892	2	18	7	115	.1	19	24	2255	6.64	15	11	ND	2	317	1	2	2	154	4.60	.124	3	21	3.14	68	.08	3	2.68	.08	.29	1	60
X 1893	2	11	7	116	.1	13	19	2312	5.49	2	5	ND	2	172	1	2	2	114	5.43	.128	4	19	2.74	63	.03	3	2.47	.09	.29	1	31
X 1894	2	38	3	85	.1	16	20	2288	4.54	4	9	ND	2	260	1	2	2	107	8.04	.108	3	16	2.06	98	.18	6	2.01	.09	.41	3	26
X 1895	2	69	7	110	.2	22	33	1984	6.88	8	5	ND	1	141	1	2	2	186	4.08	.114	4	24	3.06	78	.30	3	2.65	.08	.81	1	44
X 1896	3	1271	5	106	.9	17	19	2326	5.17	8	5	ND	1	146	1	5	2	141	6.15	.087	2	17	2.87	60	.19	4	2.28	.08	.33	235	42
X 1897	7	304	5	119	.5	21	28	2362	7.45	7	5	ND	1	157	1	2	2	156	5.33	.097	2	22	3.39	72	.24	3	2.84	.08	.74	2	70
X 1898	2	120	4	120	.1	21	18	2115	5.90	9	5	ND	1	95	1	2	2	177	3.12	.112	2	25	3.33	90	.27	3	2.76	.08	.90	1	39
X 1899	1	79	7	105	.2	19	26	1828	5.23	12	5	ND	1	122	1	4	2	134	2.86	.121	2	21	2.95	59	.23	6	2.41	.07	.42	1	33
X 1900	1	48	3	93	.2	17	26	1997	4.37	14	5	ND	1	119	1	2	2	110	3.64	.123	2	16	2.38	67	.23	6	2.09	.08	.55	1	39
X 1901	1	17	5	88	.1	19	31	1355	4.83	14	5	ND	1	107	1	2	2	123	2.28	.131	2	18	2.36	51	.25	7	2.02	.08	.42	2	51
X 1902	1	15	6	99	.2	19	30	1463	5.18	15	5	ND	1	86	1	2	2	137	1.88	.129	2	20	2.59	71	.25	7	2.21	.08	.78	1	47
X 1903	2	11	4	96	.2	18	23	1522	4.79	15	5	ND	1	118	1	2	2	125	2.47	.127	2	19	2.50	36	.23	5	2.03	.08	.26	1	55
X 1904	2	10	5	104	.2	19	27	1609	5.03	13	5	ND	1	136	1	5	2	144	3.02	.133	4	19	2.64	25	.21	5	2.11	.09	.14	1	29
X 1905	2	8	4	97	.2	17	22	2148	4.65	10	5	ND	1	669	1	2	2	122	6.29	.106	2	17	2.56	87	.16	4	2.00	.09	.13	1	28
X 1906	1	35	3	81	.1	19	29	1316	4.50	10	5	ND	1	111	1	2	2	112	2.49	.119	2	17	2.04	12	.22	4	1.62	.08	.06	1	49
X 1907	1	604	5	71	.4	18	29	1253	3.82	10	5	ND	1	162	1	2	2	99	5.51	.109	2	14	1.70	15	.24	35	1.57	.08	.02	1	46
X 1908	1	165	8	77	.3	19	25	1361	4.29	14	5	ND	1	167	1	2	2	115	2.81	.125	2	19	2.07	16	.24	7	1.90	.09	.12	1	33
X 1909	1	30	2	71	.1	17	26	1270	4.31	15	5	ND	1	151	1	3	2	108	2.56	.120	2	13	1.89	12	.24	6	1.72	.08	.03	1	41
X 1910	1	23	6	79	.1	19	26	1361	4.38	16	5	ND	1	114	1	2	2	116	1.73	.124	2	22	2.09	12	.26	6	1.80	.08	.06	1	29
X 1911	1	41	6	100	.1	20	23	2187	5.15	14	5	ND	1	144	1	2	2	154	3.29	.111	2	24	2.75	64	.29	5	2.38	.07	.47	1	35
X 1912	1	93	2	134	.2	22	33	2502	6.39	14	5	ND	1	120	1	3	2	165	2.84	.113	4	29	3.54	64	.25	4	2.94	.07	.54	1	31
X 1913	1	70	5	93	.2	15	22	1710	4.71	10	5	ND	1	205	1	2	2	122	3.00	.125	2	15	2.43	77	.22	6	2.28	.07	.47	1	42
STD C/AU-0.5	22	61	40	140	7.3	72	29	1124	3.97	36	16	7	36	50	18	15	20	70	.48	.105	38	58	.88	187	.09	37	1.73	.09	.14	12	500

IMPERIAL METALS PROJECT - 4117 FILE # 86-2128

PAGE 3

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	Pi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	Au# PPM
6004	3	22	18	181	.2	15	27	3983	6.24	21	5	ND	2	67	1	2	2	171	2.62	.136	4	17	3.57	134	.26	3	3.26	.09	1.09	1	16
6005	2	113	21	176	.7	16	30	5133	7.32	33	5	ND	2	113	1	2	2	137	4.64	.147	6	34	2.93	83	.07	3	2.77	.08	.66	1	95
6006	6	342	9	114	1.0	10	18	3730	5.96	31	5	ND	1	52	1	2	3	83	2.39	.055	2	15	1.69	47	.01	7	1.49	.07	.17	1	185
6007	6	324	10	191	.5	14	28	4040	9.10	54	5	ND	1	37	1	2	3	134	1.61	.084	3	12	2.62	24	.02	2	2.40	.07	.17	1	95
6008	9	117	10	198	.7	12	22	5633	8.41	23	5	ND	1	64	1	2	2	137	2.56	.138	5	12	2.67	44	.12	2	2.73	.09	1.01	2	590
6009	8	56	392	193	5.4	14	26	5945	9.09	21	5	5	1	94	1	2	3	184	2.98	.117	2	18	3.18	41	.17	2	2.99	.10	1.17	1	4990
6010	2	24	10	179	.1	11	21	4450	7.34	15	5	ND	1	45	1	2	2	173	2.75	.129	3	8	2.76	65	.24	2	2.79	.11	1.38	2	17
6011	2	9	9	192	.2	13	14	4429	7.21	9	5	ND	1	63	1	2	2	214	3.49	.125	8	20	2.95	183	.27	2	2.82	.11	1.27	2	9
6012	2	17	17	222	.2	17	31	4464	9.33	21	6	ND	2	66	1	2	2	274	3.60	.115	2	25	3.72	107	.17	2	3.19	.10	1.18	3	25
6013	1	95	7	204	.2	15	22	4984	7.16	11	5	ND	1	99	1	2	2	238	6.00	.111	2	25	3.13	175	.20	2	2.81	.11	1.06	1	7
6014	2	13	10	196	.3	13	20	3627	6.49	10	5	ND	2	61	1	2	2	197	3.45	.120	8	17	3.04	162	.19	5	2.67	.10	.75	2	14
6015	2	81	14	209	.1	15	22	4065	7.06	12	5	ND	1	65	1	2	2	225	3.48	.122	6	22	3.40	204	.27	2	3.04	.10	1.11	6	2
6016	2	17	9	145	.1	11	18	3243	5.00	13	10	ND	1	93	1	2	2	147	3.92	.131	2	17	2.39	171	.24	5	2.45	.11	.98	1	3
6017	1	63	12	126	1.1	8	16	3485	5.35	19	5	ND	1	115	1	2	2	177	5.16	.136	2	16	2.10	233	.29	6	2.33	.11	1.79	8	850
6018	4	166	12	140	.5	13	25	3486	4.58	15	5	ND	1	106	1	2	2	144	4.70	.143	3	16	2.35	218	.30	6	2.55	.10	2.14	3	80
6019	6	175	5	61	1.4	13	10	2929	2.62	10	6	ND	2	82	1	2	2	52	2.99	.075	2	16	1.04	152	.10	7	1.38	.10	.78	1	630
6020	1	139	10	128	.9	15	25	4752	7.85	26	5	ND	2	90	1	2	2	158	4.22	.130	10	18	3.43	58	.18	2	3.01	.11	.84	1	130
6021	4	170	12	143	.7	17	26	3790	5.60	21	5	ND	1	83	1	2	2	101	3.50	.127	7	20	2.87	88	.17	8	2.70	.11	.53	4	23
6022	1	9	3	66	.1	23	7	1542	1.86	10	5	ND	1	66	1	2	2	33	1.63	.073	4	32	1.08	129	.04	5	1.12	.08	.43	1	9
6023	4	74	19	225	.5	19	21	2305	5.04	13	7	ND	2	99	2	2	3	99	3.49	.107	3	21	1.76	57	.16	4	1.77	.10	.56	1	15
6024	1	75	15	189	.6	16	14	2991	6.55	23	11	ND	1	86	1	2	2	158	3.14	.141	2	20	2.93	36	.14	2	2.47	.11	.27	1	11
6025	2	93	22	165	.5	14	8	3343	6.60	11	6	ND	2	93	1	2	2	187	3.55	.149	6	21	3.14	42	.16	4	2.64	.11	.38	1	8
6026	2	117	24	152	.3	16	11	3115	6.36	28	5	ND	1	74	1	2	4	165	2.54	.153	3	21	3.33	44	.20	4	2.73	.11	.30	2	7
6027	1	165	12	143	.2	13	27	3265	5.79	26	5	ND	1	115	1	6	2	183	3.98	.140	4	20	3.17	70	.12	7	2.72	.10	.55	4	6
6028	1	26	8	146	.4	23	36	3282	6.31	32	5	ND	2	97	1	2	4	171	3.71	.140	6	51	3.40	47	.13	3	2.78	.09	.28	2	17
6029	2	16	10	146	.3	19	33	3236	6.83	33	5	ND	2	177	1	2	2	166	3.22	.130	5	25	3.20	41	.08	2	2.74	.10	.17	1	15
6030	1	14	10	180	.1	20	24	3659	7.15	15	12	ND	2	89	1	2	3	198	3.29	.121	3	28	3.60	43	.10	2	3.02	.10	.17	1	22
6031	2	20	8	153	.2	17	29	3496	6.51	21	8	ND	1	168	1	2	2	178	3.82	.118	3	25	3.33	47	.10	2	2.82	.10	.18	1	35
6032	2	28	9	168	.2	16	20	3558	6.19	18	16	ND	2	1029	1	2	3	163	2.97	.136	4	23	3.65	73	.12	4	3.12	.11	.27	1	18
6033	5	13	11	119	.3	16	16	3117	6.05	20	11	ND	2	115	1	2	4	66	5.17	.124	4	7	2.39	41	.01	6	.90	.09	.25	1	18
6034	3	61	11	86	.4	14	13	3100	5.62	29	18	ND	2	132	1	2	4	40	5.49	.110	2	2	2.35	31	.01	7	.54	.08	.32	1	18
6035	3	54	12	118	.2	18	26	3588	6.58	29	9	ND	1	130	1	8	3	68	4.16	.108	5	20	2.67	29	.01	5	1.18	.08	.23	1	22
6036	1	100	9	94	.5	16	19	3681	5.30	16	21	ND	2	135	1	2	5	46	5.99	.103	2	12	2.55	36	.01	5	.77	.08	.30	1	16
6037	2	65	4	95	.2	13	10	3734	4.75	23	13	ND	1	164	1	2	3	32	8.65	.080	5	6	3.13	54	.01	9	.40	.08	.32	1	13
6038	1	477	10	100	.8	14	24	2829	5.75	42	11	ND	1	127	1	2	3	33	5.62	.115	4	5	1.97	34	.01	9	.51	.07	.41	1	85
6039	4	252	8	106	.7	13	26	2827	6.03	62	17	ND	1	152	1	13	4	33	6.85	.109	3	4	2.53	34	.01	6	.50	.08	.36	1	65
STD C/AU 0.5	22	60	44	139	7.3	71	29	1123	3.94	37	15	7	35	50	18	15	21	69	.48	.104	35	60	.88	185	.08	38	1.72	.09	.16	12	495

IMPERIAL METALS PROJECT - 4117 FILE # 86-2128

PAGE 4

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Tl	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	H	Au#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6040	1	267	16	139	.8	20	32	2872	7.41	56	10	ND	1	197	1	17	2	41	6.03	.084	2	8	2.84	22	.01	7	.46	.08	.34	2	125
6041	2	314	11	147	.9	23	34	3155	9.20	64	13	ND	3	109	1	2	2	69	3.84	.110	15	17	2.25	21	.01	3	.59	.07	.33	1	100
6042	4	320	15	95	1.2	14	29	4087	6.02	89	5	ND	1	129	1	2	2	45	13.34	.073	3	10	2.08	40	.01	7	.36	.09	.22	1	225
6043	1	71	11	124	.7	22	30	2954	7.22	38	7	ND	1	145	1	2	2	121	4.39	.110	7	42	2.34	32	.04	8	1.75	.08	.56	1	550
6044	2	116	13	113	4.3	22	40	2948	6.90	54	13	61	1	103	1	5	2	96	4.00	.074	3	22	1.83	29	.02	9	.79	.08	.38	1	87000
6045	1	974	8	121	2.9	9	6	805	1.77	209	5	ND	1	62	1	164	2	16	1.25	.007	2	2	.63	154	.01	4	.24	.04	.16	1	90
6046	2	155	2	50	.7	13	7	786	1.85	44	5	ND	1	73	1	34	2	11	.96	.037	3	5	.48	163	.01	5	.47	.03	.37	1	300
6047	2	200	2	46	.8	12	5	1139	1.72	65	5	ND	1	129	1	41	2	9	1.86	.056	5	2	.70	855	.01	6	.41	.04	.31	1	32
6048	1	15	7	179	.3	13	26	2330	5.89	2	7	ND	2	142	1	2	2	102	4.09	.108	5	24	2.38	37	.03	6	2.22	.09	.28	1	28
6049	1	28	12	151	.3	13	26	2274	6.04	4	11	ND	2	145	1	3	5	103	4.17	.111	8	15	1.88	48	.02	8	1.92	.08	.34	3	125
STD C/AU 0.5	21	61	39	141	7.0	74	30	1142	3.95	35	19	7	35	50	18	15	22	70	.48	.106	36	55	.89	185	.09	40	1.72	.09	.14	12	515

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, SM, Y, NR AND TA. AU DETECTION LIMIT BY ICP IS 2 PPM.
 - SAMPLE TYPE: CORE

DATE RECEIVED: AUG 21 1986

DATE REPORT MAILED: *Aug 25/86*

ASSAYER: *D. Jey* DEAN: *JOHN* IMPERIAL METALS B.C. ASSAYER

IMPERIAL METALS PROJECT - 4117 FILE # B6-2184

PAGE 1

SAMPLE#	Mc 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 %	E PPM	Al %	Na %	K %	W PPM	aut PPM
6050	1	7	7	46	.1	12	2	946	1.08	4	5	ND	2	48	1	2	2	15	2.98	.068	6	11	.41	213	.01	3	.52	.07	.22	1	2
6051	1	2	3	50	.1	12	2	999	1.22	5	5	ND	2	44	1	2	2	22	3.11	.069	5	15	.54	148	.02	3	.67	.07	.26	1	2
6052	1	8	3	76	.1	14	3	922	1.36	2	5	ND	1	31	1	2	2	31	1.72	.066	6	22	.73	79	.02	4	.82	.07	.28	1	2
6053	1	3	2	71	.1	15	3	932	1.51	3	5	ND	1	33	1	2	2	34	1.59	.070	5	25	.89	64	.02	4	.92	.08	.19	1	3
6054	1	2	3	80	.1	16	3	1001	1.60	4	5	ND	1	49	1	3	2	35	2.13	.068	5	27	.97	57	.02	3	.96	.08	.15	1	3
6055	1	4	3	67	.2	16	5	976	1.76	4	5	ND	1	63	1	5	2	39	2.10	.068	5	27	.90	53	.02	3	.88	.09	.10	1	20
6056	1	47	14	62	.2	154	19	741	3.18	2	5	ND	15	231	1	2	2	93	3.33	.128	38	252	3.80	143	.19	3	2.11	.23	.10	1	1
6057	1	6	4	61	.1	17	7	902	1.80	2	5	ND	1	60	1	2	2	34	1.89	.070	6	26	.89	110	.02	3	.91	.08	.15	1	14
6058	2	36	6	103	.3	12	12	1610	3.76	6	5	ND	2	109	1	2	2	101	3.77	.088	5	21	1.65	112	.10	4	1.55	.09	.36	1	95
6059	1	152	17	129	.4	27	18	1562	4.22	10	5	ND	2	130	1	2	2	125	2.53	.103	8	40	2.25	79	.25	4	1.90	.10	.40	1	9
6060	3	41	13	73	.3	15	14	1123	2.66	4	5	ND	1	94	1	3	3	57	2.36	.079	4	25	1.07	42	.09	4	1.06	.08	.14	1	30
6061	1	375	14	207	.6	17	26	3644	5.19	23	5	ND	1	49	1	2	2	132	1.13	.144	2	29	1.97	92	.28	9	2.23	.06	1.66	1	110
6062	1	83	12	211	.2	16	16	3949	4.63	16	5	ND	1	83	1	2	2	131	2.32	.157	4	30	2.31	125	.25	7	2.46	.07	1.81	1	14
6063	2	623	24	250	2.4	16	54	4296	5.48	73	5	ND	1	55	1	6	5	144	1.38	.149	2	26	2.37	117	.28	10	2.48	.06	1.82	1	680
6064	1	114	21	261	.6	15	26	6412	5.84	36	5	ND	1	47	1	2	2	139	1.82	.117	2	14	2.32	73	.28	5	2.63	.06	1.34	1	70
6065	1	505	18	206	.6	14	28	3488	5.28	24	5	ND	1	94	1	2	2	117	2.00	.140	4	25	1.96	81	.25	5	2.15	.07	1.36	1	60
6066	4	257	34	129	1.8	13	56	2478	4.88	75	5	3	1	101	1	2	4	78	2.89	.110	3	18	.84	28	.18	9	1.02	.06	.29	1	2230
6067	2	52	18	204	.2	16	21	3447	4.35	17	5	ND	1	84	1	2	2	124	2.59	.153	2	30	2.21	98	.26	5	2.26	.07	1.78	1	17
6068	1	35	17	107	.4	9	28	2749	2.89	20	5	ND	1	120	1	3	2	83	2.25	.140	2	18	1.03	37	.24	32	1.36	.06	.56	1	44
6069	1	80	11	214	.2	15	17	4133	4.87	11	5	ND	1	89	1	4	2	137	2.30	.145	5	33	2.19	49	.21	16	2.12	.07	1.10	1	21
6070	1	47	12	150	.6	13	31	4554	4.27	39	5	ND	1	133	1	2	2	125	3.59	.159	3	23	1.71	16	.20	51	1.82	.07	.29	1	110
6071	1	24	10	342	.3	17	28	4589	5.66	23	5	ND	1	46	1	2	2	195	1.43	.133	3	21	3.19	169	.33	7	3.05	.08	2.37	2	28
6072	1	78	13	166	.4	12	29	3563	4.06	24	5	ND	1	113	1	2	2	116	3.83	.113	2	13	2.12	41	.23	6	1.93	.08	.39	1	180
6073	1	77	14	297	.2	17	20	4214	4.74	12	5	ND	1	85	1	4	2	145	1.91	.142	2	24	2.57	58	.26	5	2.28	.08	.77	1	37
6074	2	119	26	150	1.4	16	39	3369	4.46	88	5	3	1	114	1	3	2	117	2.65	.140	2	30	1.57	37	.23	15	1.70	.07	.66	1	3350
6075	1	83	16	195	.5	15	25	3612	4.73	41	5	ND	1	92	1	2	2	122	2.19	.152	2	29	2.14	69	.25	7	2.17	.08	1.41	1	190
6076	1	29	11	195	.1	15	16	3902	5.02	18	5	ND	1	122	1	2	2	140	3.21	.151	3	37	2.07	77	.25	4	2.20	.08	1.43	2	14
6077	2	143	14	160	.5	14	27	3540	4.52	27	5	ND	1	108	1	2	2	127	2.68	.151	2	32	1.95	73	.25	6	2.00	.08	1.21	1	30
6078	2	212	11	124	.7	13	23	3633	4.19	32	5	ND	1	129	1	3	2	121	3.41	.140	2	28	1.63	32	.20	23	1.65	.07	.80	1	210
6079	1	17	15	182	.4	18	22	5069	6.05	11	5	ND	1	108	1	2	2	176	3.28	.138	5	30	2.95	145	.25	8	2.96	.08	1.92	1	135
6080	2	140	13	161	.5	18	24	4030	6.19	11	6	ND	2	114	1	3	2	151	5.21	.133	9	30	2.35	124	.10	2	2.37	.08	1.23	1	50
6081	3	354	14	149	.6	27	23	2772	5.00	11	5	ND	1	125	1	2	2	147	2.87	.134	7	37	2.91	209	.24	4	2.89	.08	1.71	1	34
6082	1	225	6	136	.4	25	24	3094	5.13	7	6	ND	1	142	1	2	2	137	2.83	.114	5	47	2.75	178	.18	5	2.79	.08	1.46	1	31
6083	1	223	6	152	.5	20	23	3194	6.32	11	6	ND	1	174	1	2	2	156	3.05	.121	6	17	3.14	220	.21	3	2.98	.08	1.73	1	10
6084	1	15	5	50	.1	6	6	619	2.01	2	5	ND	4	79	1	2	2	28	1.88	.060	12	13	.70	34	.02	5	.83	.08	.15	1	2
6085	1	15	7	54	.2	6	7	668	2.40	3	5	ND	4	82	1	2	3	37	1.98	.062	13	14	.80	35	.01	4	.87	.08	.15	1	1
STD C/AU 0.5	21	60	41	140	7.3	71	30	1134	3.97	41	17	8	36	50	18	17	21	70	.48	.104	36	61	.88	186	.09	41	1.73	.09	.14	12	510

IMPERIAL METALS PROJECT - 4117 FILE # 86-2124

PAGE 2

SAMPLE#	Hg	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	F	Al	Na	K	Ag#	
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
6086	2	36	7	112	.4	16	52	1984	6.28	13	7	ND	2	383	1	3	2	169	3.59	.131	4	17	2.51	60	.13	6	2.22	.09	1.09	1	16
6087	2	85	13	115	.5	14	54	2240	6.39	8	5	ND	2	266	1	2	2	188	5.54	.110	5	13	2.96	91	.05	6	1.21	.11	.71	1	14
6088	1	16	7	92	.3	12	15	1573	5.22	6	5	ND	1	180	1	2	2	150	2.36	.122	2	13	2.24	266	.16	2	1.84	.09	1.06	1	5
6089	1	96	11	105	.3	15	18	1804	6.34	14	5	ND	1	193	1	5	2	176	2.98	.120	4	16	2.41	167	.11	7	1.65	.09	.68	1	3
6090	1	5	7	81	.2	10	12	1344	4.37	10	5	ND	2	174	1	3	2	139	4.06	.056	3	11	2.18	336	.06	5	1.15	.11	.82	1	1
6091	1	49	5	45	.1	6	5	696	1.98	4	5	ND	5	100	1	2	2	29	2.85	.054	13	7	.88	93	.01	3	.46	.08	.18	1	1
6092	1	19	12	45	.1	6	5	586	1.84	2	5	ND	5	108	1	2	2	18	3.13	.055	16	6	.50	80	.01	3	.44	.07	.15	1	1
6093	1	10	9	49	.2	6	5	584	1.90	2	5	ND	6	92	1	2	2	22	2.45	.060	15	8	.58	46	.01	2	.66	.08	.14	2	1
6094	1	10	6	53	.2	7	5	577	2.09	2	5	ND	5	89	1	3	2	31	1.60	.060	12	13	.72	56	.03	3	.89	.08	.22	1	2
6095	1	34	7	147	.4	16	27	2239	6.51	2	5	ND	1	85	1	2	2	171	2.59	.125	3	18	3.36	129	.20	3	2.76	.08	.50	2	13
6096	1	64	9	129	.4	13	24	2169	5.79	9	5	ND	1	121	1	2	2	77	4.26	.117	3	9	2.02	121	.01	3	1.24	.07	.26	3	9
6097	4	978	8	123	1.3	13	22	2221	7.23	9	5	ND	1	111	1	2	3	147	3.02	.124	3	12	2.66	170	.12	2	2.55	.08	.69	1	15
6098	1	34	8	130	.4	13	30	2295	7.51	5	5	ND	1	217	1	2	2	152	3.04	.125	3	16	2.47	153	.12	3	2.14	.08	.55	1	2
6099	1	38	11	119	.3	15	27	2343	8.04	9	5	ND	2	123	1	5	2	91	3.53	.121	2	8	1.87	217	.01	6	.47	.08	.28	1	1
6100	1	12	15	156	.3	16	26	2629	7.92	11	5	ND	2	244	1	2	2	111	5.74	.097	5	11	2.52	394	.01	5	.53	.09	.20	1	4
6101	1	222	12	86	.7	7	16	1800	4.71	11	5	ND	2	191	1	2	2	53	3.51	.116	8	2	1.15	716	.02	5	.42	.07	.25	1	205
6102	1	305	8	89	.8	4	17	1343	4.93	12	5	ND	2	100	1	2	2	35	2.52	.113	7	4	1.21	467	.01	4	.40	.07	.26	1	275
6103	1	196	8	86	.3	4	14	1460	4.32	6	5	ND	2	101	1	5	2	40	3.15	.115	9	3	1.23	662	.01	6	.38	.07	.29	1	75
6104	1	163	6	100	.4	3	11	1471	4.16	4	5	ND	2	78	1	2	2	48	2.60	.116	12	2	.94	302	.01	7	.42	.07	.29	1	9
6105	1	228	4	70	.4	2	10	1345	3.74	6	5	ND	3	109	1	4	2	37	3.03	.112	9	1	.92	646	.01	7	.36	.07	.25	1	6
STD C/AU-0.5	20	62	41	143	7.0	74	30	1152	3.97	38	17	8	37	51	19	17	20	71	.46	.107	40	58	.88	181	.09	37	1.73	.10	.15	12	510

GEOCHEMICAL ICP ANALYSIS

500 GRAM SAMPLE IS DIGESTED WITH 1ML 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, CP, MG, BA, TI, B, AL, NA, K, SI, ZR, CE, SN, Y, NR AND TA. AU DETECTION LIMIT BY ICP IS 1 PPM.
 - SAMPLE TYPE: CORE - AUI ANALYSIS BY AA FROM 10 GRAM SAMPLE.

INSTRUMENTS: AUG 25 1986 DATE REPORT MADE: ANALYST: DEAN TOYE. CERTIFIED: DEAN TOYE.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2246

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Er	Cd	Sb	Pt	V	Ca	P	La	Cr	Mg	Ba	Ti	Zr	Hf	Nb	Ta	W	Bi	Pb
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	PPM	%	PPM	PPM	
8104	2	760	18	171	1.5	19	57	2529	7.28	94	5	ND	1	50	1	2	151	3.47	144	2	20	2.02	51	.07	9	.84	.07	.74	1	107		
8107	1	172	2	135	.4	16	25	2020	5.87	23	5	ND	1	92	1	2	138	2.56	152	4	38	2.36	169	.12	4	2.01	.02	1.37	1	69		
8108	1	284	2	137	.7	17	22	2174	6.38	21	5	ND	1	280	1	2	127	3.05	144	2	24	2.31	145	.09	10	2.07	.02	1.11	1	35		
8109	1	230	7	170	.3	14	38	2535	7.65	30	5	ND	1	130	1	2	5	151	2.68	142	5	36	3.02	154	.12	2	2.17	.02	1.53	1	90	
8110	14	2157	12	123	1.9	14	27	1761	7.63	66	5	ND	1	77	1	2	4	116	1.93	109	3	14	1.90	38	.06	8	1.34	.02	1.63	1	210	
8111	1	9	12	149	.1	13	28	2150	6.93	16	5	ND	1	78	1	2	2	152	1.59	156	2	20	2.93	99	.16	4	2.70	.02	1.78	1	210	
8112	1	11	5	81	.1	14	32	1450	4.96	16	5	ND	1	115	1	2	2	92	2.16	125	2	26	1.64	77	.10	4	1.42	.02	1.65	1	150	
8113	1	13	9	141	.3	15	21	2188	5.98	12	5	ND	1	111	1	2	2	123	2.20	159	2	17	2.67	71	.09	2	2.37	.02	1.59	1	24	
8114	1	15	6	86	.1	12	24	1570	4.42	15	5	ND	1	180	1	2	2	94	2.77	150	2	17	1.87	27	.08	4	1.45	.02	1.08	1	22	
8115	1	173	8	127	.4	13	36	2059	5.75	19	5	ND	1	152	1	2	2	118	3.22	143	2	20	2.26	27	.03	2	1.67	.02	1.17	1	35	
8116	1	43	7	143	.1	18	42	2238	6.44	25	5	ND	1	135	1	2	2	155	2.69	121	2	26	2.92	103	.11	2	2.71	.02	1.91	1	210	
8117	2	64	9	103	.2	15	29	1823	5.91	17	5	ND	1	277	1	2	2	136	2.77	119	2	21	2.09	104	.14	7	1.68	.02	1.78	1	50	
8118	2	16	11	136	.2	17	30	2399	6.62	18	5	ND	1	87	1	2	3	169	2.90	119	3	22	2.34	62	.10	6	1.75	.02	1.02	1	127	
8119	3	114	10	135	.3	22	48	2277	7.35	31	5	ND	1	118	1	2	7	118	3.52	124	7	23	2.29	33	.05	10	.95	.03	1.54	2	220	
8120	3	26	11	130	.5	52	20	1885	4.64	13	5	ND	9	1576	1	2	7	135	10.19	376	47	44	4.52	130	.01	2	.54	.06	1.17	1	40	
8121	2	58	12	167	.3	23	18	2645	6.42	22	5	ND	2	150	1	2	2	147	4.73	102	11	34	2.52	185	.05	3	1.00	.04	1.52	1	37	
8122	3	16	13	114	.3	46	14	2335	4.79	11	5	ND	10	402	1	2	3	123	10.52	125	50	59	4.52	1009	.01	2	.62	.07	1.15	1	4	
8123	3	5	10	122	.1	19	21	2436	6.52	34	5	ND	1	107	1	8	3	168	3.13	107	2	43	1.60	61	.03	5	.90	.03	1.31	2	16	
8124	3	92	17	131	.4	21	13	2156	4.40	12	5	ND	5	466	1	2	3	109	8.12	233	37	25	3.52	387	.01	5	.52	.05	1.12	1	13	
8125	2	22	10	187	.3	21	33	2411	6.83	18	5	ND	2	830	1	2	3	130	5.88	362	10	31	2.73	74	.01	2	.72	.05	1.18	1	17	
8126	1	7	11	157	.2	17	26	2628	6.94	16	5	ND	1	92	1	2	2	147	3.52	105	3	26	2.12	104	.04	6	.96	.04	1.47	1	18	
8127	3	25	12	130	.3	20	21	2702	5.61	16	6	ND	2	97	1	2	2	111	6.18	096	3	27	2.91	119	.03	4	.84	.05	1.42	1	42	
8128	1	5	15	141	.1	24	49	2752	6.40	14	5	ND	1	78	1	2	2	128	3.79	107	5	47	2.27	91	.04	5	1.00	.04	1.47	1	58	
8129	2	4	10	168	.2	25	18	2729	6.57	17	5	ND	1	99	1	2	2	141	4.40	105	3	50	2.58	178	.02	4	.76	.05	1.28	1	20	
8130	3	14	9	128	.2	18	26	2653	6.01	11	7	ND	1	84	1	2	4	105	4.42	106	4	25	2.36	82	.02	3	.74	.04	1.31	1	65	
8131	7	55	14	125	.4	22	32	2563	4.91	13	5	ND	2	97	1	2	3	106	7.65	097	2	21	3.44	73	.01	2	.60	.05	1.25	1	20	
8132	2	37	10	182	.1	22	20	2866	4.82	15	5	ND	1	94	1	2	2	145	4.66	105	4	40	2.79	150	.04	5	.95	.04	1.48	1	18	
8133	2	15	7	159	.1	20	17	2843	4.57	13	5	ND	1	100	1	2	5	140	4.63	106	3	44	2.51	143	.04	6	.89	.03	1.44	1	22	
8134	2	21	10	178	.2	25	26	3277	5.97	16	5	ND	1	127	1	2	5	171	3.66	108	5	62	2.44	97	.06	7	1.12	.02	1.62	1	27	
8135	1	10	2	192	.2	24	22	3402	5.56	13	5	ND	1	105	1	2	2	153	3.83	111	5	59	2.69	118	.07	2	1.23	.03	1.78	1	29	
8136	2	43	5	178	.2	20	28	3266	5.82	22	5	ND	1	102	1	2	2	145	4.50	111	4	53	2.74	87	.06	5	1.07	.02	1.60	1	25	
8137	2	38	6	129	.1	4	13	2132	5.27	16	5	ND	1	91	1	2	2	90	3.68	141	5	2	2.07	189	.04	4	.79	.03	1.47	1	25	
8138	2	10	8	106	.2	4	10	1841	4.92	19	5	ND	1	89	1	2	2	83	3.23	149	6	2	1.84	167	.02	4	.84	.04	1.22	1	157	
8139	5	298	9	98	.5	10	47	2195	4.99	71	6	ND	1	97	1	2	2	75	4.93	145	3	7	2.44	63	.03	13	.79	.03	1.47	1	115	
8140	3	21	2	98	.1	5	13	2257	4.79	13	5	ND	1	100	1	2	2	68	4.20	147	7	1	2.13	179	.01	7	.65	.04	1.20	1	12	
8141	2	87	2	111	.2	12	19	2174	5.90	17	5	ND	1	101	1	2	2	78	2.93	140	3	4	1.90	194	.02	6	.74	.02	1.23	1	12	
5% DTAO 0.5	21	55	41	127	7.1	67	50	1197	7.92	42	20	7	31	47	18	16	19	62	4.48	110	26	61	1.96	175	.08	20	1.77	.16	1.17	10	497	

IMPERIAL METALS PROJECT - 4117 FILE # 88-2246

PAGE

Sample	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	S	Au	In	Cr	Cd	Sb	Bi	V	Ca	P	La	Er	Mo	Ba	Ti	E	Al	Na	K	Li	Ca	PPM
6141	2	119	7	134	.7	17	20	2577	5.49	16	6	ND	2	137	1	1	2	95	4.62	.119	2	22	2.46	211	.01	4	.65	.07	.15	1	74	
6142	1	255	10	176	.5	15	42	3146	7.52	35	6	ND	2	61	1	4	2	144	3.84	.158	2	16	2.24	51	.01	2	.75	.03	.12	1	79	
6144	2	93	4	142	.4	16	70	2461	6.05	42	6	ND	1	98	1	2	2	121	4.11	.134	2	12	2.30	72	.01	6	.80	.02	.17	1	81	
6145	2	126	2	122	.1	14	22	2307	5.16	25	5	ND	2	96	1	3	2	110	3.71	.103	2	27	2.18	145	.02	3	.80	.02	.36	1	77	
6146	2	208	3	89	.2	9	20	1705	4.28	25	6	ND	2	149	1	2	2	74	4.79	.058	2	10	2.08	176	.01	4	.61	.02	.15	1	51	
6147	4	113	2	92	.2	94	24	1600	5.11	25	7	ND	2	250	1	3	2	78	4.35	.105	2	82	1.62	98	.03	2	1.20	.02	.50	1	56	
6148	1	197	9	87	.3	51	42	1271	6.46	25	5	ND	1	185	1	4	2	120	2.79	.155	6	27	1.69	60	.07	3	1.60	.02	1.07	1	131	
6149	4	164	11	96	.2	36	40	1406	7.27	13	5	ND	1	140	1	3	4	142	2.02	.143	3	23	1.71	38	.06	2	1.28	.02	.87	1	295	
6151	2	144	15	82	.2	30	43	1234	8.61	21	5	ND	1	136	1	3	3	122	2.62	.152	2	59	1.85	37	.05	11	1.26	.02	.76	1	151	
6151	2	10	12	57	.2	12	13	856	4.30	10	7	ND	2	126	1	2	2	51	3.90	.081	6	15	1.53	44	.01	2	.48	.02	.19	1	60	
6151	1	66	6	111	.3	18	32	1165	8.51	21	5	ND	1	127	1	3	2	126	1.64	.134	2	20	1.95	39	.09	2	1.65	.02	1.11	1	126	
6152	2	56	9	91	.2	26	33	1099	7.25	20	5	ND	1	129	1	3	2	111	1.99	.119	2	48	1.77	41	.06	2	1.32	.02	.81	1	150	
6154	4	21	7	42	.1	17	10	573	2.48	12	5	ND	1	78	1	2	3	35	1.46	.071	4	19	.67	99	.01	12	.39	.04	.09	2	70	
6155	3	50	3	54	.1	14	12	531	2.80	11	5	ND	1	85	1	2	2	49	1.46	.074	4	17	.71	114	.01	2	.56	.02	.08	1	50	
6155	2	67	11	100	.2	23	26	1292	7.66	16	5	ND	1	77	1	3	3	126	3.26	.141	2	25	2.16	40	.01	2	.78	.01	.12	1	95	
6157	27	1809	5	49	1.5	18	13	652	2.30	80	5	ND	1	95	1	4	4	39	2.42	.080	7	21	1.02	146	.01	3	.55	.01	.11	1	115	
6158	16	668	4	40	.6	16	6	668	1.61	26	5	ND	2	112	1	2	2	19	3.08	.066	2	11	1.22	284	.01	2	.44	.02	.13	1	75	
6159	10	650	9	40	.3	15	8	747	1.77	27	5	ND	2	124	1	2	2	16	3.37	.069	5	14	1.33	219	.01	2	.53	.01	.15	1	74	
6160	12	53	2	32	.1	17	15	709	1.80	15	5	ND	2	101	1	2	3	11	3.34	.063	5	9	1.23	142	.01	2	.49	.01	.16	1	71	
6161	5	16	5	30	.1	11	13	675	1.69	8	5	ND	2	86	1	2	2	9	2.84	.062	3	6	1.10	119	.01	3	.41	.02	.19	1	18	
6162	2	16	5	27	.1	13	11	586	1.82	5	5	ND	1	72	1	2	5	7	2.46	.061	4	6	.90	94	.01	2	.44	.02	.24	1	85	
6163	1	68	8	28	.1	10	9	496	1.41	8	5	ND	1	92	1	2	2	8	2.11	.071	5	7	.82	141	.01	6	.27	.03	.16	2	76	
6164	3	80	10	32	.4	14	10	506	1.56	15	5	ND	1	104	1	2	2	9	2.19	.068	4	7	.98	118	.01	2	.45	.02	.16	1	221	
6165	10	16	3	28	.1	13	10	425	1.52	9	5	ND	1	85	1	2	2	10	1.98	.072	2	9	.84	127	.01	4	.47	.03	.17	1	49	
6166	4	8	3	43	.1	17	9	540	1.80	9	5	ND	1	88	1	2	2	10	2.50	.063	4	6	1.05	120	.01	2	.47	.02	.16	2	76	
6167	7	32	9	47	.2	18	23	652	2.83	19	5	ND	1	78	1	2	2	15	2.80	.081	6	11	1.21	51	.01	2	.53	.01	.18	2	99	
6168	1	127	16	74	.1	30	26	1359	4.80	15	5	ND	1	82	1	2	2	98	2.98	.132	5	57	1.61	44	.01	3	.67	.02	.09	1	60	
6169	1	133	9	86	.1	33	22	2056	5.32	12	5	ND	2	89	1	2	2	111	3.87	.144	5	80	1.92	26	.01	3	.74	.01	.17	2	76	
6170	1	270	12	93	.3	46	36	2568	7.34	18	5	ND	2	78	1	2	2	129	3.84	.167	4	116	2.04	36	.01	9	.72	.02	.16	1	111	
6171	4	256	5	76	.4	22	32	1899	6.77	22	6	ND	2	72	1	3	2	79	4.56	.134	2	44	2.40	26	.01	2	.59	.01	.20	1	121	
6171	3	81	3	39	.1	15	13	721	2.39	22	5	ND	1	95	1	2	2	12	3.01	.072	2	8	1.28	75	.01	3	.52	.01	.17	1	40	
6173	4	78	9	33	.1	13	12	642	1.90	20	5	ND	1	91	1	4	2	12	3.08	.066	2	11	1.31	117	.01	2	.53	.01	.14	1	22	
6174	8	179	11	66	.2	19	26	1502	4.12	21	6	ND	2	86	1	2	2	33	5.37	.116	2	19	2.72	65	.01	2	.56	.01	.22	1	95	
6175	3	1166	20	119	2.3	34	20	1906	6.69	121	7	ND	2	102	1	8	2	95	5.14	.138	6	31	2.99	141	.03	2	.81	.02	.47	1	216	
SIT GRAU 0.5	21	59	40	135	6.9	67	30	1087	3.92	39	23	8	31	46	17	15	22	61	.49	.107	34	59	.89	171	.06	37	1.72	.06	.17	10	101	

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 AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 28 1986 DATE REPORT MAILED: *Sept 3/86* ASSAYER: *D. Tope* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2343

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Hg	Ba	Ti	B	Al	Na	K	W	Au#
	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	PPH	%	%	PPH	PPH	%	PPH	%	PPH	%	%	%	PPH	PPB
6176	3	45	19	227	.1	17	32	5774	11.17	25	5	ND	1	38	1	2	2	260	1.76	.137	2	25	4.08	33	.24	2	3.75	.11	1.54	1	40
6177	2	8	8	74	.3	21	7	1641	1.92	7	5	ND	1	43	1	2	2	22	1.76	.070	5	23	.64	98	.01	5	.72	.08	.24	1	18
6178	2	8	6	35	.2	13	5	1420	1.51	7	5	ND	1	23	1	2	2	12	1.19	.063	5	9	.37	83	.01	4	.62	.06	.30	2	6
6179	3	33	6	26	.4	17	7	1733	2.24	12	5	ND	1	29	1	2	2	14	1.53	.065	7	11	.44	73	.01	2	.70	.06	.42	1	15
6180	1	11	5	31	.1	12	4	982	1.23	4	5	ND	1	58	1	2	2	24	1.21	.058	3	18	.53	103	.07	2	.69	.09	.11	10	13
6181	3	111	12	181	.1	29	24	3056	7.51	11	5	ND	1	59	1	2	2	123	4.66	.154	2	64	2.30	146	.01	2	.67	.11	.19	3	4
6182	50	152	14	141	.6	39	27	2942	7.47	26	6	ND	1	86	1	2	6	124	8.72	.110	2	95	4.08	29	.01	2	.52	.14	.14	3	710
6183	8	77	12	123	.1	20	23	2171	6.73	13	5	ND	1	44	1	2	2	94	3.43	.138	2	15	1.67	23	.01	2	.61	.10	.21	1	65
6184	7	93	12	144	.2	25	27	2166	7.62	12	5	ND	1	34	1	3	2	84	2.52	.145	2	31	1.40	25	.03	2	.87	.08	.47	1	90
6185	5	110	10	134	.2	22	19	2074	6.14	20	5	ND	1	69	1	2	2	77	3.27	.123	2	21	1.75	25	.01	2	.65	.09	.23	1	105
6186	7	161	9	105	.1	21	18	1972	5.20	30	5	ND	1	42	1	2	2	59	3.25	.111	2	26	1.66	30	.03	2	.71	.09	.41	1	38
6187	6	82	12	93	.2	21	21	2156	5.01	18	5	ND	1	42	1	2	2	53	3.76	.116	2	21	1.70	29	.01	2	.57	.09	.26	1	90
6188	7	117	5	102	.2	23	26	2008	5.19	33	5	ND	1	38	1	2	2	66	3.43	.117	3	27	1.64	28	.01	4	.53	.09	.21	1	36
6189	14	91	12	100	.3	25	34	3020	7.00	15	5	ND	1	59	1	2	2	83	5.68	.109	2	15	2.91	24	.05	7	.90	.10	.66	1	185
6190	11	28	8	88	.1	24	19	1967	4.52	8	5	ND	1	51	1	2	2	66	4.93	.101	2	20	2.04	44	.03	6	.65	.10	.35	1	43
6191	1	5	6	36	.1	12	7	945	1.68	6	5	ND	1	66	1	2	2	14	3.21	.059	2	4	1.09	129	.01	6	.34	.08	.19	1	7
6192	3	5	6	33	.2	15	8	818	1.93	2	5	ND	1	53	1	2	2	14	2.51	.062	2	8	.87	63	.01	4	.28	.09	.16	1	19
6193	6	5	4	41	.1	20	13	687	2.40	7	5	ND	1	60	1	2	2	14	1.71	.070	4	13	.76	46	.01	5	.44	.07	.31	1	10
6194	3	11	4	48	.1	17	6	783	1.62	7	5	ND	1	58	1	5	2	13	1.78	.064	4	13	.76	155	.01	5	.30	.09	.18	2	75
6195	2	4	2	54	.1	18	6	809	1.58	7	5	ND	1	61	1	2	2	18	2.01	.065	9	16	.87	198	.01	3	.28	.09	.15	1	13
6196	2	4	3	90	.1	36	8	1214	2.16	3	7	ND	1	64	1	3	2	22	3.88	.073	12	26	1.60	157	.01	2	.35	.11	.16	1	6
6197	9	164	5	103	.1	53	12	1523	2.99	19	5	ND	1	75	1	5	2	39	3.14	.092	10	16	1.52	111	.01	3	.60	.10	.29	2	5
6198	5	644	9	140	.4	100	4	2623	5.16	82	5	ND	1	91	1	2	2	63	4.83	.104	4	102	2.46	73	.02	6	.77	.11	.35	2	15
6199	12	171	6	77	.1	34	12	1173	2.34	34	5	ND	1	55	1	2	2	22	3.30	.063	12	22	1.23	122	.01	4	.36	.10	.15	1	15
6200	5	10	2	56	.1	16	8	850	1.53	3	5	ND	1	53	1	4	2	13	2.61	.068	8	18	.94	163	.01	2	.39	.08	.20	1	55
6201	3	6	6	44	.1	15	9	841	1.57	6	5	ND	1	72	1	3	2	10	2.88	.063	9	8	.97	116	.01	3	.43	.07	.20	2	10
6203	5	21	2	28	.1	13	6	730	1.01	4	5	ND	1	102	1	2	2	7	1.93	.070	8	3	.64	241	.01	2	.46	.06	.21	1	6
6204	3	18	2	21	.1	12	6	580	.89	6	5	ND	1	74	1	2	3	7	1.48	.070	6	5	.52	198	.01	2	.40	.06	.24	1	8
6205	2	266	4	43	.2	18	12	676	1.76	32	6	ND	1	95	1	2	3	15	1.42	.067	8	10	.51	51	.01	2	.41	.06	.23	2	37
6206	4	240	5	59	.2	22	12	661	2.25	18	5	ND	1	140	1	3	2	16	1.41	.069	10	13	.49	54	.01	4	.43	.07	.27	1	20
6207	15	83	2	59	.1	18	13	763	2.25	7	5	ND	1	65	1	2	2	18	1.83	.062	8	12	.61	55	.01	2	.39	.07	.24	1	14
6208	15	581	9	72	.4	19	17	910	2.76	9	5	ND	1	67	1	5	2	24	2.26	.070	8	15	.54	34	.01	2	.48	.08	.20	1	53
6209	6	42	9	66	.1	15	6	819	2.01	4	5	ND	1	72	1	2	2	28	2.07	.082	6	19	.64	112	.01	2	.62	.07	.18	1	10
6210	1	48	10	71	.1	17	14	952	3.22	3	5	ND	1	68	1	4	2	30	1.66	.070	7	24	.94	42	.01	3	.91	.08	.17	1	20
6211	2	229	6	185	.5	24	25	2088	6.58	6	5	ND	1	131	1	2	2	85	2.47	.138	17	38	2.87	30	.04	5	2.35	.09	.39	1	46
6212	1	196	7	203	.4	25	37	2144	8.01	18	5	ND	1	97	1	2	2	91	1.67	.152	5	20	3.48	28	.08	3	2.76	.08	.69	1	65
STD C/AU-0.5	20	61	40	139	7.0	73	30	1154	3.94	39	19	7	36	50	19	15	21	71	.48	.107	37	62	.88	188	.09	35	1.72	.09	.14	13	510

IMPERIAL METALS PROJECT - 4117 FILE # B6-2343

SAMPLE#	Mo PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Ni PPH	Co PPH	Mn PPH	Fe %	As PPH	U PPH	Au PPH	Th PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Ti %	B PPH	Al %	Na %	K %	W PPH	Au# PPB
6213	1	582	15	216	1.0	23	34	2040	11.17	16	5	ND	2	74	1	2	2	121	1.11	.142	14	29	3.58	13	.18	2	3.16	.07	1.40	1	95
6214	1	1115	11	115	1.5	20	29	1442	7.00	12	5	ND	3	90	1	5	2	51	1.88	.118	18	34	1.59	21	.09	4	1.70	.07	.77	1	110
6215	3	235	9	138	.5	2	28	1707	7.44	11	5	ND	2	100	1	2	2	69	2.59	.158	13	1	1.90	22	.09	5	1.90	.08	.73	1	35
6216	1	152	7	155	.3	2	16	1785	6.53	7	5	ND	1	93	1	2	2	75	2.25	.152	11	1	1.90	44	.11	6	1.90	.08	.84	1	18
6217	1	338	8	129	.5	11	27	1520	6.43	10	5	ND	2	115	1	2	2	61	2.21	.139	14	14	1.67	24	.15	9	1.81	.07	1.19	1	36
6218	5	347	5	59	.4	16	14	1016	2.00	2	5	ND	2	238	1	2	2	16	2.54	.060	13	13	.70	55	.01	7	.83	.07	.30	1	38
6219	8	65	6	69	.1	16	17	918	2.37	2	5	ND	2	144	1	3	2	15	2.13	.065	10	16	.68	59	.02	5	.90	.05	.37	1	39
6220	25	94	3	110	.3	19	28	1535	4.56	7	5	ND	2	124	1	3	2	28	2.84	.076	19	14	1.25	31	.03	5	1.47	.06	.46	1	65
6221	6	167	10	172	.3	24	32	1916	5.78	11	5	ND	2	136	1	4	2	60	3.14	.152	21	67	2.43	35	.07	7	2.31	.07	.64	1	85
6222	2	80	7	156	.1	12	5	1915	5.71	3	5	ND	2	609	1	2	2	64	3.36	.139	13	12	2.23	109	.03	5	1.99	.08	.23	1	4
6223	3	241	7	178	.3	18	17	1979	4.39	14	5	ND	2	166	1	2	2	63	4.01	.144	24	45	2.16	38	.02	5	1.96	.08	.25	2	18
6224	2	237	6	125	.4	14	23	1477	4.24	8	5	ND	2	222	1	2	2	52	2.88	.142	8	23	1.85	30	.02	6	1.60	.08	.30	1	22
6225	2	160	8	91	.3	12	11	1358	3.99	6	5	ND	2	165	1	6	2	45	3.05	.143	9	12	1.40	39	.04	5	1.27	.07	.48	1	35
6226	9	4373	10	135	2.8	14	27	2185	7.42	9	5	ND	2	175	1	3	2	62	3.45	.108	10	9	1.81	18	.01	5	1.56	.07	.25	1	1500
6227	3	78	10	225	.3	18	32	2440	7.14	17	8	ND	2	459	1	2	2	86	3.76	.107	9	23	2.93	37	.04	3	2.46	.07	.35	1	80
6228	3	93	6	184	.4	26	48	3025	6.83	8	5	ND	2	176	1	2	4	75	5.94	.118	7	24	2.32	41	.05	6	2.21	.07	.46	1	65
6229	1	93	5	252	.3	20	36	2841	6.79	7	5	ND	2	154	1	2	2	95	5.07	.131	12	22	3.05	80	.04	3	2.69	.08	.29	1	10
6230	3	25	4	60	.1	10	18	858	3.29	3	5	ND	1	81	1	3	2	28	1.76	.072	4	11	.84	21	.01	5	.69	.05	.25	1	17
6231	1	38	8	66	.1	11	16	797	3.52	2	5	ND	1	75	1	4	3	34	1.40	.076	4	13	.95	19	.01	5	.71	.05	.20	1	17
6232	35	241	146	160	1.8	18	20	2551	4.43	14	5	ND	5	533	2	2	2	107	5.98	.369	40	23	2.64	18	.02	6	1.09	.09	.38	1	38
6233	7	144	36	75	.8	14	19	1123	3.74	7	5	ND	2	96	1	2	2	37	2.13	.091	7	13	1.11	17	.01	6	.68	.06	.28	1	55
6234	3	321	8	55	1.1	14	18	668	4.31	2	5	ND	1	57	1	2	2	32	1.03	.071	7	11	.78	13	.02	3	.60	.05	.27	1	200
6235	2	354	16	137	1.3	29	32	1330	6.32	11	5	ND	1	61	1	2	2	50	1.26	.101	10	56	1.81	10	.01	8	1.27	.06	.19	1	160
6236	1	3676	184	624	5.4	18	50	1376	10.19	14	5	ND	1	34	5	2	2	60	.92	.111	14	23	1.49	7	.01	6	1.11	.07	.17	1	780
6237	10	500	63	153	1.7	23	36	1487	6.46	12	5	ND	2	174	1	2	2	64	2.25	.175	11	22	1.81	7	.01	2	.78	.07	.15	1	140
6238	3	20	9	145	.2	21	21	1544	5.51	12	5	ND	1	101	1	2	2	75	2.63	.140	6	24	2.54	24	.04	5	2.02	.08	.43	1	35
6239	3	15	5	99	.2	17	18	1497	5.13	12	5	ND	1	583	1	2	2	91	2.88	.129	6	34	2.15	29	.02	4	1.60	.08	.18	1	60
6240	5	18	9	96	.2	21	20	1339	6.00	14	5	ND	1	562	1	2	2	87	2.61	.132	2	35	2.23	23	.02	2	1.55	.08	.17	1	135
6241	3	15	6	104	.2	21	20	1286	5.90	16	5	ND	1	224	1	2	2	93	2.29	.140	3	48	2.32	20	.01	4	1.60	.08	.16	1	90
6242	1	33	6	117	.2	22	26	1534	6.75	9	5	ND	1	205	1	2	2	101	2.32	.124	4	33	2.61	20	.01	4	1.79	.07	.13	1	70
6243	3	38	7	104	.2	18	19	1695	5.73	16	5	ND	2	138	1	7	2	76	3.07	.129	3	27	2.07	27	.01	3	1.54	.08	.16	1	110
6244	4	61	5	106	.2	23	19	1584	6.21	11	6	ND	1	293	1	2	3	88	2.87	.125	3	59	2.16	22	.02	4	1.67	.08	.24	1	260
6245	6	11	2	95	.1	13	17	1130	4.00	7	5	ND	1	571	1	2	3	64	2.95	.125	6	28	1.52	50	.01	4	1.36	.08	.16	1	18
6246	3	307	7	103	.3	17	29	1393	6.10	6	5	ND	1	193	1	3	2	66	2.73	.123	6	25	1.54	31	.02	2	1.47	.07	.24	1	35
6247	4	44	6	83	.2	12	22	1124	5.35	7	7	ND	1	340	1	4	2	59	2.72	.129	3	13	1.27	24	.02	2	1.27	.07	.30	1	75
STD C/AU 0.5	22	61	41	138	7.0	73	29	1138	3.96	43	17	7	36	50	18	16	22	70	.48	.106	42	59	.88	186	.09	36	1.73	.09	.14	13	490

IMPERIAL METALS PROJECT - 4117 FILE # 86-2343

SAMPLE#	Hg	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	F	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6248	4	19	8	72	.5	11	14	999	5.20	11	5	ND	2	210	1	2	2	48	2.33	.118	2	13	1.24	29	.01	6	1.09	.08	.23	1	460
6249	4	17	11	72	.9	10	17	1297	5.08	9	9	ND	2	434	1	2	2	51	3.30	.118	2	11	1.22	26	.01	7	1.06	.08	.18	1	490
6250	3	17	8	49	.2	14	18	1112	4.15	4	8	ND	2	510	1	2	2	43	3.56	.118	2	20	.78	42	.01	5	.80	.07	.19	1	7
6251	5	25	11	83	.2	15	18	1109	4.67	11	5	ND	2	414	1	2	2	59	2.63	.127	3	27	1.31	34	.02	7	1.18	.08	.23	1	11
6252	3	15	8	110	.3	27	29	1139	4.69	13	5	ND	2	111	1	3	2	55	2.14	.099	3	62	1.47	46	.02	8	1.39	.07	.27	1	22
6253	8	120	115	187	.6	39	15	1689	4.58	10	5	ND	10	775	1	2	2	122	5.46	.360	72	24	1.49	131	.01	7	1.09	.09	.15	1	7
6254	5	146	123	247	.3	14	10	1227	4.30	5	5	ND	3	169	3	2	2	102	2.52	.133	9	2	1.46	542	.01	8	1.33	.08	.17	1	15
6255	3	80	7	94	.2	7	9	1120	3.70	4	5	ND	3	293	1	2	2	89	1.74	.119	5	4	1.34	77	.08	8	1.40	.08	.14	1	2
6256	5	173	11	184	.3	5	7	1399	5.12	12	5	ND	3	116	1	5	2	97	1.14	.141	13	2	.99	386	.02	8	1.02	.07	.30	2	1
6257	4	11	7	155	.2	7	27	1292	5.48	12	5	ND	2	92	1	5	2	74	1.01	.158	7	4	.86	50	.04	8	.96	.06	.47	1	12
STD C/AU-0.5	21	56	35	130	6.8	67	28	1056	3.94	38	17	7	34	46	17	16	20	66	.48	.101	33	57	.88	173	.08	35	1.72	.09	.12	14	510

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 AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: AUG 30 1986 DATE REPORT MAILED: *Sept 3/86* ASSAYER: *D. Toye* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2374

PAGE 1

SAMPLE#	No 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
6258	2	8	22	254	.2	9	29	1238	4.75	7	5	ND	1	67	1	2	2	66	1.25	.165	5	8	.68	25	.01	6	.64	.07	.20	1	24
6259	3	8	13	213	.2	9	28	1474	4.65	9	5	ND	1	70	1	2	2	48	2.00	.148	4	4	1.02	24	.03	7	.69	.07	.43	1	85
6260	2	10	14	146	.2	6	18	1393	3.27	11	5	ND	1	92	1	2	2	34	2.01	.171	6	4	.84	30	.01	5	.54	.08	.31	1	55
6261	1	11	10	170	.2	11	19	1185	3.75	13	7	ND	2	68	1	2	2	58	1.89	.164	13	5	.97	33	.02	7	.63	.08	.34	1	50
6262	1	4	7	118	.1	22	13	993	2.47	6	7	ND	1	71	1	2	2	28	1.90	.080	3	26	.83	53	.01	6	.44	.08	.24	1	34
6263	1	8	7	95	.2	22	12	1000	2.25	6	5	ND	1	63	1	4	2	23	1.66	.069	3	26	.75	87	.01	4	.36	.09	.14	1	27
6264	1	12	8	83	.1	19	12	1054	2.34	2	5	ND	1	53	1	2	3	25	2.05	.090	2	19	.89	56	.01	5	.41	.09	.20	1	95
6265	2	8	8	63	.2	15	14	841	4.32	18	7	ND	1	38	1	2	2	42	2.18	.157	4	3	.98	23	.01	7	.56	.09	.32	1	170
6266	5	113	8	79	.4	16	20	1091	6.28	31	5	ND	1	52	1	2	3	51	2.76	.137	10	8	1.18	14	.02	8	.53	.09	.32	1	255
6267	4	139	5	72	.4	9	25	1555	3.93	14	5	ND	3	73	1	3	2	63	3.33	.149	43	5	1.42	41	.06	6	.82	.10	.54	1	80
6268	2	389	6	60	.5	7	11	1744	2.46	17	6	ND	1	110	1	2	2	35	4.40	.147	18	3	1.45	98	.04	3	.77	.08	.49	1	29
6269	3	217	7	57	.5	7	16	974	3.47	22	5	ND	3	62	1	2	2	56	2.50	.163	37	5	1.08	35	.03	5	.68	.10	.43	1	38
6270	1	327	8	60	.6	6	18	771	4.16	40	5	ND	2	48	1	3	2	47	2.19	.161	23	5	.97	23	.01	6	.51	.10	.21	1	150
6271	2	233	10	82	.8	6	13	1045	3.57	48	5	ND	1	61	1	2	3	43	3.62	.146	18	6	1.30	32	.01	5	.46	.10	.17	1	190
6272	7	198	8	77	.5	6	14	938	3.50	39	5	ND	1	53	1	3	2	54	2.49	.160	12	6	.92	37	.01	5	.53	.09	.17	1	70
6273	2	98	11	77	.3	5	17	854	3.53	31	6	ND	1	49	1	2	2	52	2.04	.164	10	3	.80	38	.01	5	.49	.08	.18	1	34
6274	8	14	12	77	.4	7	22	1055	4.10	13	5	ND	1	55	1	2	2	44	2.74	.160	4	6	.96	23	.01	3	.51	.08	.19	1	32
6275	7	11	5	79	.1	7	16	1082	3.52	18	6	ND	1	53	1	2	2	53	2.41	.162	7	6	.94	39	.01	5	.58	.08	.22	1	30
6276	3	29	9	64	.2	7	37	979	4.78	14	5	ND	1	48	1	2	2	44	2.04	.146	6	5	.88	18	.03	8	.64	.07	.37	1	29
6277	2	267	8	48	.4	5	37	1151	3.80	47	8	ND	1	92	1	2	2	36	3.21	.137	7	3	1.07	23	.01	6	.53	.07	.35	1	185
6278	3	41	6	83	.3	6	17	1044	4.19	16	5	ND	1	65	1	3	2	52	2.95	.146	5	3	1.15	24	.01	8	.59	.08	.28	1	85
6279	8	59	9	92	.4	7	17	1028	4.12	27	7	ND	1	65	1	2	2	70	3.23	.142	8	6	1.23	27	.01	9	.59	.09	.20	1	30
6280	2	659	10	81	.6	7	23	1142	4.18	103	5	ND	1	62	1	4	2	72	2.75	.150	7	6	1.12	25	.01	10	.58	.09	.23	1	120
6281	3	747	12	114	.8	8	67	1728	5.47	54	6	ND	1	68	1	2	2	45	4.28	.122	4	4	1.66	16	.01	8	.54	.09	.25	1	60
6282	8	90	23	127	.9	16	42	1784	8.10	30	7	ND	1	143	1	2	2	59	3.53	.166	6	10	1.66	6	.01	5	.39	.08	.19	1	110
6283	5	58	115	311	.7	12	42	1060	6.78	26	5	ND	1	56	1	3	2	56	1.65	.111	7	8	.95	10	.01	8	.44	.07	.23	1	125
6284	3	105	11	99	.3	10	21	935	5.12	33	6	ND	2	66	1	2	2	67	1.57	.109	5	7	.94	18	.01	8	.48	.07	.23	1	115
6285	5	61	10	90	.2	10	33	1131	6.79	16	5	ND	1	48	1	2	2	77	1.88	.107	9	11	1.37	16	.04	7	.74	.08	.47	1	150
6286	3	14	7	80	.3	11	29	1097	5.82	12	6	ND	1	56	1	2	2	78	1.67	.114	9	10	1.43	19	.06	5	.79	.07	.58	1	65
6287	7	38	9	105	.3	12	23	1229	6.20	12	5	ND	1	57	1	2	2	66	2.35	.086	2	10	1.66	18	.02	5	.59	.08	.28	1	475
6288	2	3087	12	169	1.8	27	65	1965	7.89	56	5	ND	1	44	1	2	4	48	2.65	.078	3	50	1.62	17	.01	3	.61	.08	.24	1	295
6289	5	647	9	116	1.0	34	89	1990	9.32	31	6	ND	1	51	1	2	2	92	3.14	.124	3	64	2.18	30	.10	2	1.44	.08	1.02	1	210
6290	3	27	11	135	.3	42	44	1864	8.08	16	6	ND	1	118	1	2	2	123	3.79	.167	10	239	1.91	51	.04	5	1.06	.09	.58	10	115
6291	2	29	8	191	.4	71	65	1945	10.32	12	7	ND	1	77	1	2	4	144	2.22	.134	4	116	2.58	40	.12	2	1.92	.09	1.38	1	250
6292	3	33	7	135	.3	72	55	1616	7.95	19	5	ND	1	107	1	2	2	120	2.02	.178	2	169	2.56	52	.07	4	2.09	.09	1.03	2	235
6293	2	33	9	128	.4	94	48	1815	8.45	17	8	ND	1	96	1	2	2	135	3.20	.146	2	280	3.15	59	.11	2	2.23	.10	1.18	1	225
STD C/AU-0.5	20	61	41	140	7.3	73	30	1138	3.92	41	15	8	35	50	19	15	22	70	.48	.109	38	63	.87	185	.09	36	1.69	.09	.14	13	510

IMPERIAL METALS PROJECT -- 4117 FILE # 86-2374

PAGE 2

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Au#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
6294	4	44	14	131	.1	41	46	1703	9.39	15	5	ND	2	62	1	2	2	143	2.81	.133	2	140	2.79	34	.11	2	1.80	.08	1.30	1	185
6295	3	115	9	107	.4	36	42	1515	8.75	19	5	ND	2	66	1	2	2	104	3.67	.125	2	34	2.45	31	.06	2	1.26	.08	.76	1	275
6296	3	53	12	101	.3	38	35	1906	7.34	16	6	ND	3	97	1	2	2	141	5.16	.150	3	135	3.12	44	.08	4	1.48	.09	1.03	1	50
6297	3	115	10	95	.4	32	40	1274	8.31	19	5	ND	2	64	1	2	2	107	2.92	.129	2	58	2.09	27	.06	2	1.22	.08	.77	1	350
6298	3	50	10	111	.4	22	38	1642	7.63	17	5	ND	3	73	1	2	2	100	4.49	.125	3	53	2.36	28	.04	4	1.02	.08	.58	1	305
6299	3	145	8	103	.9	32	65	1329	8.15	22	5	ND	2	56	1	2	2	93	2.64	.112	2	19	1.64	19	.03	2	.85	.07	.42	1	410
6300	4	415	11	187	1.1	69	86	1820	11.90	40	5	ND	2	65	1	2	3	163	2.86	.175	2	176	2.93	22	.08	2	1.55	.08	1.03	1	265
STD C/AU-0.5	21	56	35	130	6.8	67	28	1056	3.94	38	17	7	34	46	17	16	20	66	.48	.101	33	57	.88	173	.08	35	1.72	.09	.12	14	510

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 AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 3 1986 DATE REPORT MAILED: *Sept 9/86* ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2436

PAGE 1

Table with columns: SAMPLE#, Mo, Cu, Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Au, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, Ba, Ti, R, Al, Na, I, W, Au, and Au. Rows contain numerical data for various elements across multiple samples (e.g., 6301, 6302, etc.).

IMPERIAL METALS PROJECT - 4117 FILE # 86-2436

PAGE 2

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tl PPM	Sr PPM	Cd PPM	Sb PPM	Pi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	F PPM	Al %	Na %	K %	W PPM	Au# PPB
6337	2	9	4	44	.1	12	6	717	1.48	8	5	ND	1	101	1	2	2	9	2.56	.072	2	11	.48	80	.01	5	.38	.03	.18	1	50
6338	3	8	5	37	.2	12	6	706	1.67	9	8	ND	1	268	1	2	3	10	2.64	.069	2	15	.41	51	.01	3	.48	.02	.19	1	135
6339	3	5	2	47	.1	18	9	598	2.34	10	5	ND	1	97	1	2	4	17	1.88	.067	2	30	.56	35	.01	3	.52	.02	.14	2	110
6340	1	7	6	38	.1	13	10	682	1.89	6	5	ND	1	78	1	2	3	8	2.38	.066	2	10	.44	71	.01	4	.43	.02	.22	1	62
6341	3	10	6	30	.3	12	9	782	2.09	8	5	ND	1	121	1	2	4	6	2.12	.070	2	5	.58	43	.01	3	.31	.01	.27	1	78
6342	4	11	5	61	.1	20	11	802	2.59	8	5	ND	1	111	1	2	2	15	2.38	.079	2	16	.82	70	.01	9	.83	.02	.26	1	54
6343	4	7	7	45	.2	16	11	720	2.30	12	5	ND	1	113	1	2	3	10	2.03	.070	2	13	.70	59	.01	5	.68	.02	.27	1	117
6344	1	6	7	47	.1	11	9	865	2.31	7	9	ND	1	272	1	2	2	7	2.91	.061	2	7	.64	52	.01	15	.60	.02	.19	1	57
6345	7	11	10	33	.2	12	17	591	2.80	12	5	ND	1	79	1	2	3	7	1.82	.067	2	7	.35	28	.01	6	.47	.01	.23	1	68
6346	2	11	4	52	.1	15	12	725	2.35	12	5	ND	1	120	1	2	3	12	2.01	.069	3	20	.81	57	.01	5	.84	.02	.32	1	46
6347	1	16	2	61	.1	17	12	894	2.75	10	6	ND	1	123	1	2	2	27	2.14	.073	7	32	1.10	60	.02	3	1.05	.03	.35	1	44
6348	3	34	8	56	.1	15	13	740	2.95	11	7	ND	1	103	1	2	2	45	1.41	.097	5	24	1.13	60	.02	5	1.02	.03	.36	1	68
6349	5	46	4	93	.1	37	28	1361	6.40	17	7	ND	1	128	1	3	2	111	2.66	.137	6	70	2.46	39	.07	2	2.04	.02	.83	1	91
6350	5	278	8	70	.4	25	25	1349	4.29	14	5	ND	2	163	1	2	2	79	3.49	.106	6	44	1.86	57	.03	5	1.60	.02	.37	1	200
6351	2	551	10	95	.5	45	34	1181	8.63	31	5	ND	1	71	1	3	2	111	2.03	.122	3	73	2.55	24	.08	4	2.08	.02	.90	1	510
6352	1	604	8	101	.9	44	36	1316	9.08	29	7	3	2	72	1	2	2	101	2.47	.127	5	69	2.31	29	.12	2	2.16	.02	1.32	1	2750
6353	3	579	13	76	2.5	27	26	1353	7.11	19	6	36	1	115	1	2	2	79	3.44	.080	4	63	1.77	32	.08	3	1.63	.01	.81	1	42000
6354	2	36	10	76	.1	13	21	1159	4.82	20	5	ND	1	107	1	3	2	60	2.47	.127	6	30	1.70	35	.07	3	1.49	.02	.80	1	110
6355	2	465	8	81	.4	13	39	1486	5.94	13	8	ND	2	108	1	2	2	68	3.30	.104	4	17	1.93	27	.04	2	1.50	.01	.53	1	490
6356	3	283	8	52	.5	7	22	1048	3.80	11	5	ND	1	126	1	2	3	24	2.50	.125	4	6	1.18	26	.01	5	.58	.02	.29	1	250
6357	2	606	13	49	.6	7	12	751	5.23	16	5	ND	1	76	1	2	2	23	1.72	.107	4	4	.97	14	.01	6	.56	.02	.24	1	1290
6358	3	178	14	41	.8	4	20	836	5.81	21	5	ND	1	106	1	2	2	16	2.45	.116	2	3	1.00	13	.01	3	.40	.01	.24	1	660
6359	1	67	12	35	1.3	5	17	718	6.38	22	5	ND	1	64	1	2	4	16	1.90	.119	2	2	.86	11	.01	8	.40	.02	.22	1	540
6360	2	161	8	60	.4	8	23	849	5.48	17	5	ND	1	86	1	2	2	26	2.07	.121	4	10	1.21	16	.01	7	.81	.02	.33	1	460
6361	3	4	6	48	.1	11	9	849	2.42	11	5	ND	1	164	1	2	2	15	2.36	.089	3	14	1.14	44	.01	2	.57	.03	.24	1	87
6362	4	7	8	38	.2	10	13	858	2.63	13	5	ND	1	129	1	2	3	10	2.56	.090	3	4	1.03	34	.01	4	.30	.02	.19	1	111
6363	4	11	5	46	.1	10	9	736	1.89	9	5	ND	1	122	1	2	2	7	2.23	.067	3	6	.85	67	.01	5	.29	.02	.20	1	50
6364	3	25	4	33	.1	11	9	588	1.91	17	5	ND	1	122	1	2	3	5	1.67	.067	2	4	.61	36	.01	3	.22	.02	.17	1	82
6365	3	22	7	35	.2	8	8	731	1.78	8	5	ND	1	119	1	2	3	6	2.37	.064	3	5	.85	87	.01	6	.27	.03	.19	1	44
6366	2	25	2	27	.1	10	8	748	1.52	7	5	ND	1	165	1	2	3	5	2.10	.068	3	3	.72	101	.01	5	.28	.03	.19	1	42
6367	7	7	4	28	.1	10	9	660	1.68	8	5	ND	1	167	1	2	2	7	1.81	.074	3	8	.68	90	.01	6	.28	.02	.17	1	50
6368	10	24	9	41	.1	11	12	672	1.85	10	5	ND	1	193	1	2	5	8	1.81	.068	2	9	.72	53	.01	7	.32	.03	.18	1	61
6369	3	17	6	43	.2	14	10	568	1.68	9	5	ND	1	151	1	2	2	10	1.58	.069	2	14	.65	68	.01	2	.40	.03	.16	1	94
6370	3	7	9	35	.1	11	8	611	1.45	10	5	ND	1	185	1	2	2	7	1.88	.072	4	7	.68	89	.01	2	.31	.03	.20	1	46
6371	1	135	4	45	.2	14	12	618	1.78	11	5	ND	1	159	1	2	2	13	1.65	.072	5	15	.73	82	.01	6	.44	.03	.18	1	51
6372	2	69	7	42	.2	15	14	567	1.79	9	5	ND	1	210	1	2	2	13	1.50	.068	4	15	.63	81	.01	3	.42	.03	.14	1	56
STD C/AU 0.5	21	58	39	134	7.1	68	30	1108	3.97	40	21	8	34	49	18	15	22	64	.48	.106	36	60	.88	182	.08	35	1.73	.07	.14	12	500

IMPERIAL METALS PROJECT - 4117 FILE # 86-2436

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 %	F PPM	Al %	Na %	K %	W PPM	Au# PPB
6373	1	92	7	42	.1	14	12	617	1.82	12	5	ND	1	348	1	2	2	8	1.81	.061	5	8	.68	56	.01	4	.40	.03	.21	1	39
6374	2	46	7	30	.2	15	13	539	1.91	11	5	ND	1	131	1	2	2	9	1.62	.065	5	10	.59	47	.01	3	.44	.03	.17	1	27
6375	1	20	6	34	.1	16	11	590	2.06	12	5	ND	1	103	1	2	2	11	1.69	.067	3	12	.63	46	.01	2	.45	.03	.14	1	28
6376	2	60	5	34	.2	13	12	769	1.70	10	5	ND	1	189	1	2	2	8	2.38	.065	4	8	.59	75	.01	3	.36	.02	.18	1	18
6377	1	7	7	49	.1	15	8	698	1.95	8	5	ND	1	81	1	2	4	20	1.86	.064	5	19	.75	83	.01	2	.55	.04	.13	1	12
6378	2	6	2	43	.1	24	13	578	2.23	12	5	ND	1	76	1	2	2	24	1.34	.066	4	24	.74	49	.01	2	.60	.03	.11	1	25
6379	12	6	2	43	.1	32	11	514	2.31	11	5	ND	1	86	1	2	7	25	1.13	.072	3	29	.78	57	.01	3	.71	.03	.15	1	15
6380	1	3	5	82	.1	60	10	1228	3.19	7	5	ND	1	176	1	2	2	79	2.93	.098	4	130	2.43	120	.03	3	1.76	.03	.40	1	29
6381	3	11	7	50	.1	38	20	599	4.49	14	5	ND	1	98	1	2	3	40	1.54	.110	6	15	1.00	23	.01	2	.85	.03	.20	1	18
6382	2	27	7	47	.2	18	20	602	4.17	14	5	ND	1	108	1	2	3	52	1.58	.131	6	9	1.16	24	.01	3	.90	.03	.16	1	15
6383	2	54	5	53	.2	8	22	759	4.38	16	5	ND	1	83	1	2	2	64	2.01	.140	9	9	1.26	29	.02	5	1.04	.03	.24	1	30
6384	2	13	5	78	.2	8	20	1139	3.93	12	5	ND	1	94	1	2	4	59	2.68	.129	6	18	1.44	36	.01	4	1.17	.02	.14	1	95
6385	4	7	6	56	.4	9	38	1057	4.74	11	5	ND	1	87	1	2	2	29	2.23	.091	2	5	.95	18	.01	2	.84	.02	.17	1	490
6386	3	8	4	85	.1	19	29	1386	4.24	14	5	ND	1	90	1	2	2	59	2.44	.110	5	18	1.50	37	.04	5	1.43	.02	.42	1	116
6387	3	11	6	89	.1	16	22	1615	3.72	8	5	ND	2	149	1	2	2	49	3.49	.123	6	16	1.53	44	.04	3	1.24	.01	.41	1	54
6388	2	126	7	88	.1	16	38	1268	5.20	20	5	ND	1	66	1	2	2	95	2.14	.121	7	40	1.92	37	.08	5	1.67	.02	.77	7	72
6389	2	185	5	115	.2	20	42	1184	5.59	19	5	ND	1	41	1	2	2	83	1.39	.124	9	40	2.03	35	.04	3	1.74	.02	.48	1	95
6390	2	29	5	105	.1	13	27	1549	4.70	14	5	ND	1	81	1	2	2	78	2.53	.148	5	13	1.89	49	.02	2	1.57	.02	.24	1	34
6391	2	4	3	53	.1	9	7	1249	2.01	4	5	ND	1	140	1	2	2	16	2.38	.065	5	16	.99	464	.01	6	.56	.04	.18	1	12
6392	8	3	2	62	.1	12	9	905	2.09	6	5	ND	1	69	1	2	2	21	1.65	.063	4	18	.83	186	.01	3	.80	.02	.22	1	9
6393	2	9	9	135	.1	22	16	1924	6.56	12	5	ND	2	233	1	2	3	100	3.47	.147	6	28	2.21	427	.06	3	1.88	.02	.57	1	5
6394	1	11	9	104	.1	16	24	2137	7.07	21	5	ND	1	51	1	3	2	166	1.56	.119	2	19	3.04	48	.20	3	2.57	.02	.58	2	9
6395	2	8	15	104	.4	14	29	2404	7.16	18	5	ND	2	121	1	3	2	162	3.95	.115	4	17	2.89	46	.10	2	2.44	.02	.47	2	62
6396	3	15	8	105	.4	15	41	2331	7.60	25	5	ND	2	102	1	3	2	93	4.54	.119	3	10	1.85	27	.01	2	.86	.02	.23	1	56
6397	4	20	6	108	.3	13	42	2206	6.99	21	6	ND	1	112	1	3	2	98	3.55	.126	3	10	1.45	14	.01	2	1.14	.03	.18	1	42
6398	5	36	13	97	.5	15	49	2166	7.72	22	8	ND	2	160	1	2	6	129	4.53	.121	2	13	2.07	28	.02	2	1.76	.02	.22	1	35
6399	1	19	9	96	.1	11	21	1811	5.24	20	5	ND	1	87	1	2	2	115	3.42	.140	2	14	2.36	66	.12	3	2.22	.02	.59	4	13
6400	1	36	7	110	.1	11	23	2118	5.94	21	5	ND	1	62	1	2	2	136	2.56	.137	2	16	2.88	68	.17	3	2.51	.02	.60	1	17
6401	1	9	9	112	.1	13	23	2008	6.62	22	5	ND	1	66	1	3	2	151	2.33	.142	2	18	2.75	40	.17	2	2.72	.04	1.30	4	26
6402	1	58	7	123	.2	12	28	2261	6.54	26	5	ND	1	66	1	2	2	151	2.61	.147	4	18	3.07	43	.08	4	2.51	.03	.25	1	9
6403	1	26	11	118	.1	12	30	2074	5.91	21	5	ND	1	61	1	3	2	129	2.43	.145	2	16	2.67	50	.10	2	2.33	.02	.29	1	10
6404	1	27	7	118	.1	15	44	2185	7.19	22	5	ND	1	52	1	2	3	156	2.03	.149	2	28	2.90	34	.10	3	2.42	.03	.46	1	11
6405	1	361	10	107	1.5	13	47	2500	6.17	22	5	ND	2	81	1	2	2	118	4.78	.132	4	15	2.49	44	.11	4	2.22	.02	.34	1	30
6406	1	81	12	116	.2	10	23	2083	6.09	18	5	ND	1	58	1	3	2	139	1.66	.143	4	18	2.72	40	.11	2	2.22	.03	.31	1	13
6407	2	180	8	136	.4	14	33	2315	7.53	22	5	ND	1	47	1	2	11	162	1.40	.150	2	19	3.26	33	.14	2	2.66	.04	.59	1	14
6408	1	126	6	118	.1	13	35	2260	6.65	27	5	ND	1	75	1	4	2	138	1.87	.150	3	17	2.78	36	.14	2	2.28	.04	.37	1	24
STD C/AU-0.5	21	58	40	134	6.9	71	30	1104	3.96	39	20	8	34	48	18	16	18	63	.48	.101	37	58	.88	181	.08	39	1.73	.07	.13	12	490

IMPERIAL METALS PROJECT - 4117 FILE # 86-2436

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	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	Au1 PPM
6410	1	75	7	133	.2	14	40	2583	6.19	20	7	ND	1	82	1	2	2	130	2.78	.143	2	17	3.29	44	.13	2	2.67	.03	.41	1	19
6411	3	122	7	132	.3	37	35	2726	6.29	18	7	ND	1	110	1	2	3	114	3.13	.139	2	80	3.50	40	.13	2	2.81	.02	.43	2	24
6412	3	198	6	131	.2	14	33	2730	6.61	18	8	ND	1	136	1	2	3	127	3.36	.149	2	24	3.51	44	.06	2	2.89	.03	.26	1	12
6413	2	283	5	144	.5	19	44	2838	6.97	20	9	ND	1	117	1	2	2	108	2.71	.145	2	21	3.19	32	.03	4	2.77	.03	.27	1	24
6414	2	693	10	116	.7	12	23	2306	5.94	18	7	ND	1	114	1	2	3	121	3.31	.145	2	7	2.32	73	.16	2	2.61	.03	1.44	1	51
6415	3	432	7	103	.5	11	32	2078	4.70	20	8	ND	1	129	1	2	2	106	3.87	.147	2	5	2.04	127	.17	4	2.22	.03	1.02	15	32
6416	3	310	8	85	.3	12	39	1562	3.82	24	7	ND	1	153	1	2	2	80	2.37	.168	2	5	1.89	54	.16	3	1.98	.02	.28	1	20
6417	1	7	8	48	.1	6	6	479	2.05	3	5	ND	3	73	1	2	2	30	1.19	.059	9	13	.71	91	.06	2	.89	.05	.26	1	2
6418	1	6	5	39	.1	5	5	483	1.76	3	5	ND	4	80	1	2	4	20	1.28	.063	14	7	.44	72	.02	4	.54	.04	.17	1	1

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.SM.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 5 1986 DATE REPORT MAILED: *Sept 9/86* ASSAYER: *D. Toy* DEAN TOYE, CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2483

PAGE 1

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	F	Al	Na	K	W	Au1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM	
6419	1	9	6	30	.1	6	4	501	1.36	2	5	ND	6	104	1	2	2	19	.68	.063	14	10	.24	58	.01	4	.44	.06	.15	1	1
6420	1	8	6	51	.1	6	5	540	1.87	2	5	ND	6	89	1	2	2	23	1.84	.060	14	9	.49	100	.02	5	.70	.08	.20	1	1
6421	1	9	7	44	.1	5	4	592	1.77	2	5	ND	6	83	1	2	2	20	2.05	.060	14	8	.37	107	.01	9	.52	.08	.16	1	1
6422	1	16	10	37	.1	4	4	734	1.69	3	5	ND	6	85	1	2	2	17	1.80	.061	15	6	.22	103	.01	6	.39	.08	.18	1	1
6423	1	4	6	30	.1	5	3	626	1.40	3	6	ND	6	90	1	2	2	12	1.64	.059	14	8	.19	152	.01	3	.32	.07	.15	1	1
6424	1	7	7	40	.1	6	4	577	1.74	2	5	ND	6	73	1	2	2	17	1.14	.062	14	10	.22	118	.01	5	.35	.07	.14	1	2
6425	1	10	8	53	.1	6	5	617	2.07	3	5	ND	5	76	1	2	2	28	1.78	.059	11	15	.72	85	.02	4	.90	.09	.16	1	1
6426	2	21	8	151	.1	20	10	2396	4.47	14	5	ND	1	180	1	2	2	118	1.50	.133	2	109	2.51	106	.18	8	2.16	.09	.59	1	6
6427	2	90	5	136	.2	23	10	2204	4.10	14	5	ND	1	125	1	4	2	114	1.01	.131	2	95	2.44	167	.20	6	2.27	.11	1.10	1	12
6428	2	88	4	166	.1	15	13	2944	5.18	13	5	ND	1	75	1	6	2	193	1.97	.136	2	21	3.00	166	.25	6	2.75	.11	1.26	1	14
6429	1	73	5	127	.1	14	12	2323	4.09	15	5	ND	1	60	1	2	2	158	1.59	.129	2	19	2.32	185	.26	11	2.22	.11	.94	1	11
6430	1	164	6	120	.3	12	19	2192	4.51	11	5	ND	1	65	1	2	2	140	1.72	.137	2	16	2.05	58	.23	7	1.91	.12	.26	1	17
6431	1	228	5	123	.2	11	20	2477	4.65	16	5	ND	1	73	1	2	2	153	1.93	.127	2	16	2.27	86	.23	6	2.12	.11	.47	1	17
6432	3	175	5	135	.2	12	17	2729	5.23	18	5	ND	1	61	1	2	2	216	2.64	.122	2	21	2.51	159	.25	8	2.32	.12	1.19	2	41
6433	1	73	2	142	.1	11	12	2347	4.68	21	5	ND	1	61	1	2	2	150	1.36	.136	2	17	2.39	54	.23	12	2.13	.12	.31	1	15
6434	1	281	5	117	.3	12	17	1901	3.96	20	5	ND	1	69	1	2	2	112	1.29	.140	2	16	1.96	27	.22	7	1.73	.12	.11	1	22
6435	2	350	5	129	.7	17	29	2420	5.85	22	5	ND	1	88	1	2	2	116	1.40	.136	2	26	2.66	67	.19	8	2.29	.09	.46	1	68
6436	2	190	8	103	2.0	29	48	1917	7.34	24	5	ND	1	118	1	2	2	98	.82	.099	2	41	2.25	75	.19	6	2.08	.08	.55	1	450
6437	1	90	5	129	.2	18	19	1921	4.61	12	5	ND	1	293	1	2	2	135	.96	.103	2	44	2.47	98	.21	9	2.17	.10	.71	1	40
6438	1	108	7	143	.2	20	19	2776	5.59	16	5	ND	1	65	1	2	2	172	3.08	.097	2	50	3.21	73	.18	12	2.76	.10	.38	1	21
6439	2	9	9	119	1.1	18	23	2361	5.02	13	5	ND	1	72	1	2	2	151	3.05	.081	2	43	2.52	96	.19	4	2.22	.09	.59	1	1040
6440	2	33	6	128	.1	21	19	2647	5.74	15	5	ND	1	63	1	2	2	158	3.01	.094	2	46	3.04	100	.20	6	2.64	.10	.71	1	28
6441	2	443	11	148	1.0	23	64	2148	8.02	36	5	ND	1	91	1	2	2	128	2.21	.111	2	40	2.38	40	.20	6	2.15	.10	.54	1	82
6442	2	87	6	153	.2	15	23	1878	4.82	18	5	ND	1	145	1	2	2	125	1.89	.172	2	5	2.09	72	.22	9	2.03	.09	.45	1	18
6443	1	116	8	133	.2	15	21	1664	4.04	10	5	ND	1	97	1	2	2	107	1.48	.179	2	3	1.90	31	.20	8	1.82	.09	.14	1	12
6444	2	94	10	135	.7	14	20	2577	5.12	12	8	ND	1	392	1	2	3	156	3.97	.155	3	4	2.15	101	.14	6	2.13	.10	.93	1	170
6445	1	114	9	183	.1	16	20	2572	5.09	14	5	ND	1	174	1	2	2	153	2.63	.170	3	5	2.30	93	.17	8	2.38	.08	.77	1	43
6446	15	89	7	66	.2	24	18	1568	3.82	9	5	ND	2	97	1	2	2	60	2.27	.111	5	11	.97	56	.08	7	1.27	.06	1.02	1	30
6447	14	3	5	36	.2	18	8	1497	1.83	4	5	ND	1	88	1	2	2	24	2.39	.062	5	16	.51	70	.01	4	.55	.07	.12	1	80
6448	2	4	4	59	.1	26	4	1421	2.07	2	5	ND	2	67	1	2	2	34	1.83	.078	5	35	1.03	69	.01	4	1.09	.08	.20	1	31
6449	2	17	4	65	.1	22	5	2308	1.94	4	5	ND	1	74	1	2	2	34	2.39	.073	6	30	.92	96	.03	6	1.03	.08	.33	1	20
6450	2	8	10	51	.2	19	5	1754	1.87	4	5	ND	1	54	1	2	2	31	1.85	.074	7	29	.73	76	.01	5	.84	.08	.18	1	63
6451	2	62	5	51	.1	20	6	1846	2.29	7	5	ND	1	60	1	2	2	15	1.61	.077	5	12	.49	60	.01	5	.73	.05	.27	1	38
6452	4	56	8	69	.8	23	12	2364	2.78	5	5	ND	1	89	1	2	4	49	2.95	.086	5	32	1.00	83	.06	5	1.14	.09	.44	1	420
6453	2	233	11	158	.3	15	14	3267	4.81	13	5	ND	1	82	1	2	2	138	2.69	.149	2	8	2.40	152	.24	8	2.63	.09	1.65	1	20
6454	2	55	6	72	.1	23	7	1879	2.06	9	5	ND	1	51	1	2	2	33	1.45	.079	4	31	1.00	62	.06	7	1.14	.07	.40	1	45
STD C/AU-0.5	21	59	43	137	7.1	71	29	1105	3.98	38	17	8	35	48	18	15	22	68	.48	.104	36	58	.88	181	.08	36	1.72	.09	.14	12	510

IMPERIAL METALS PROJECT FILE # 86-2483

PAGE 2

SAMPLE#	Mg 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	Pb PPM	V PPM	Ca %	F %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au PPM
6455	48	54	5	116	.3	20	13	2597	4.32	10	5	ND	1	97	1	3	5	105	3.19	.122	9	22	1.83	109	.05	9	1.80	.10	.42	1	37
6456	20	11	15	81	.1	25	5	1673	1.87	2	5	ND	1	62	1	3	2	37	1.63	.072	8	36	1.05	114	.03	5	1.10	.09	.31	1	19
6457	1	132	7	138	.1	12	11	2340	3.46	12	5	ND	1	97	1	2	2	96	1.69	.149	4	26	1.45	58	.20	10	1.65	.07	.83	1	3
6458	1	239	15	140	.2	11	11	2350	3.36	9	5	ND	1	107	1	2	2	92	1.93	.144	4	24	1.44	78	.21	16	1.69	.07	.99	1	7
6459	1	144	11	163	.2	15	14	2798	4.14	13	5	ND	1	98	1	2	2	110	1.72	.153	3	26	1.76	76	.24	11	2.00	.07	1.23	1	17
6460	1	113	22	223	.3	15	16	3391	5.10	15	5	ND	1	84	1	2	2	140	1.58	.156	5	34	2.03	48	.22	6	1.80	.08	.46	1	15
6461	1	25	9	276	.1	14	18	3719	5.87	8	5	ND	1	71	1	2	2	195	1.29	.126	7	17	3.14	195	.32	4	3.07	.09	2.08	1	11
6462	1	49	9	249	.1	14	18	3739	5.32	11	5	ND	1	59	1	2	2	176	1.26	.137	3	15	2.76	193	.34	5	3.03	.09	2.10	1	12

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.NG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.ND AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 10 1986 DATE REPORT MAILED: *Sept 15/86* ASSAYER: *D. J. ...* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2566

PAGE 1

SAMPLE#	No 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 PPM
6463	3	14	8	64	.3	23	6	2797	2.05	6	5	ND	1	113	1	4	2	30	3.52	.066	11	30	1.23	308	.01	3	.91	.08	.18	1	37
6464	2	9	7	65	.1	24	6	1846	1.85	11	5	ND	1	58	1	2	2	30	1.69	.072	8	30	1.08	87	.02	4	1.01	.07	.18	1	17
6465	11	10	10	82	.7	27	20	3017	3.80	19	5	ND	1	106	1	2	3	36	3.02	.073	11	27	1.52	63	.06	4	1.46	.08	.54	1	200
6466	2	8	4	46	.1	18	6	1945	1.83	5	5	ND	1	65	1	4	2	26	2.61	.074	7	28	.72	91	.03	3	.84	.08	.31	2	32
6467	3	11	9	47	.3	13	11	2089	1.90	10	5	ND	1	87	1	2	3	22	3.24	.068	8	15	.51	102	.02	2	.63	.07	.25	116	65
6468	4	9	15	98	.7	30	28	2747	6.08	47	5	ND	1	50	1	2	2	40	2.33	.113	11	20	1.45	25	.02	2	1.05	.08	.33	1	110
6469	5	65	7	70	.6	16	15	2284	2.55	15	5	ND	1	80	1	2	2	13	2.99	.075	9	8	1.14	52	.01	5	.35	.07	.22	1	56
6470	2	50	6	176	2.8	55	13	4525	4.99	11	7	ND	1	167	1	2	4	60	7.34	.119	6	89	4.04	42	.01	5	.78	.08	.17	1	290
6471	2	13	11	201	.3	66	13	4388	5.39	12	7	ND	1	126	1	2	2	71	7.24	.129	9	127	4.46	70	.01	3	1.15	.08	.15	1	11
6472	2	50	12	247	.3	77	21	4740	6.36	18	5	ND	1	136	1	2	4	135	6.18	.133	10	243	5.06	20	.01	2	2.82	.08	.04	1	9
6473	5	136	16	218	.6	60	30	3736	6.21	26	5	ND	1	246	1	2	4	128	4.01	.161	7	186	3.97	65	.08	2	2.92	.08	.33	1	22
6474	2	167	10	112	.5	19	20	2202	4.11	20	5	ND	1	225	1	2	2	95	2.72	.146	2	58	1.92	57	.13	4	1.65	.08	.29	1	16
6475	1	138	10	154	.4	20	21	2563	5.12	17	5	ND	1	182	1	7	2	128	2.59	.143	10	66	2.72	82	.15	3	2.31	.07	.62	1	10
6476	3	28	11	107	.4	15	15	3299	5.18	14	7	ND	1	442	1	2	2	131	6.95	.111	5	61	2.37	186	.12	5	2.37	.07	.93	1	36
6477	2	234	13	114	.5	16	27	2171	4.66	23	5	ND	1	225	1	2	2	116	3.37	.142	3	50	2.20	68	.16	3	1.94	.07	.48	1	14
6478	2	152	10	168	.5	13	21	2784	5.73	16	5	ND	1	293	1	5	2	139	4.19	.138	7	21	2.81	77	.08	2	2.44	.08	.43	1	30
6479	2	179	12	130	.4	10	17	2084	4.20	21	5	ND	1	151	1	2	2	115	2.87	.138	4	15	2.05	85	.19	3	1.95	.07	.46	1	3
6480	3	84	11	203	.3	15	29	2628	6.20	23	5	ND	1	93	1	2	2	167	2.37	.154	2	22	3.20	65	.17	2	2.71	.08	.41	1	6
6481	2	31	11	194	.2	12	22	2626	6.24	16	5	ND	1	96	1	2	2	169	3.00	.140	7	22	3.20	64	.12	2	2.76	.09	.52	1	11
6482	1	16	6	167	.1	12	12	2287	5.26	19	5	ND	1	114	1	2	2	164	2.31	.144	8	18	3.11	68	.20	4	2.66	.08	.52	1	1
6483	1	55	11	146	.3	12	19	2528	5.06	15	5	ND	1	232	1	2	2	137	4.35	.143	5	19	2.63	83	.11	3	2.33	.08	.44	1	7
6484	2	286	9	175	.5	12	25	2228	5.46	20	5	ND	1	115	1	2	2	163	2.74	.147	5	21	2.72	61	.18	2	2.24	.09	.38	1	6
6485	1	13	12	69	.1	11	20	1214	4.73	29	5	ND	1	77	1	2	2	131	2.20	.138	6	17	1.15	25	.21	3	.97	.11	.07	1	10
6486	2	42	10	165	.2	13	23	1930	5.62	23	5	ND	1	55	1	2	2	178	1.56	.144	7	24	2.68	89	.25	3	2.28	.10	.72	1	2
6487	2	21	10	135	.1	10	14	2098	5.31	11	5	ND	1	84	1	3	2	173	3.22	.101	3	23	2.52	109	.21	2	2.25	.09	.71	1	1
6488	3	93	9	127	.2	8	14	1585	4.44	10	5	ND	1	80	1	2	2	147	2.25	.105	3	21	2.08	109	.21	2	2.00	.09	.78	1	2
6489	3	43	8	126	.1	9	15	1674	4.41	9	5	ND	1	116	1	2	2	147	2.85	.104	9	23	2.00	61	.22	2	1.77	.10	.30	1	3
6490	3	61	11	101	.2	11	14	1815	5.26	26	5	ND	1	109	1	4	2	125	2.83	.110	3	19	1.97	79	.19	2	1.99	.08	.63	1	5
6491	3	51	11	130	.3	10	14	2223	5.99	15	5	ND	1	184	1	5	2	155	2.66	.102	9	24	2.49	126	.11	2	2.26	.09	.70	1	4
6492	2	79	9	121	.2	9	13	1865	5.25	9	5	ND	1	174	1	2	2	144	1.86	.106	6	23	2.15	139	.25	2	2.12	.09	1.08	6	2
6493	2	218	7	126	.2	10	14	2160	6.12	11	5	ND	1	84	1	2	2	157	2.48	.107	8	34	2.67	134	.11	2	2.52	.09	.84	1	3
6494	3	86	7	108	.2	10	10	1807	5.26	11	5	ND	1	83	1	2	2	129	2.02	.105	7	23	2.31	93	.18	5	2.22	.08	.75	1	1
6495	3	212	9	89	.6	8	18	1617	5.61	17	5	ND	1	87	1	2	2	115	2.56	.108	4	22	1.54	68	.04	2	1.64	.08	.50	1	13
6496	2	91	9	134	.3	10	19	2077	6.21	19	5	ND	1	87	1	2	2	133	3.43	.105	5	18	1.91	106	.06	2	1.93	.08	.68	1	8
6497	3	47	9	104	.2	9	16	1988	5.26	18	5	ND	1	94	1	4	2	141	3.44	.108	7	21	1.16	83	.05	2	1.37	.08	.58	1	7
6498	3	93	13	108	.2	8	13	2079	5.75	16	5	ND	1	123	1	2	2	150	3.85	.102	4	21	1.62	171	.08	2	1.65	.08	.48	1	14
STB C/AU-R	21	57	38	132	6.9	67	28	1073	3.95	38	19	7	34	47	17	15	21	65	.47	.102	39	59	.88	175	.08	37	1.72	.09	.12	12	485

IMPERIAL METALS PROJECT - 4117 FILE # 86-2566

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 %	M PPM	Aut PPB
6499	2	8	10	115	.2	11	19	2034	4.69	17	5	ND	1	136	1	2	2	95	2.77	.144	5	12	2.37	58	.09	7	2.27	.07	.31	1	4
6500	2	44	12	120	.2	10	13	2241	4.90	16	15	ND	2	302	1	2	2	109	3.29	.145	5	12	2.62	87	.08	5	2.49	.07	.63	1	3
6501	2	24	13	138	.4	11	14	2576	5.49	16	9	ND	1	98	1	2	2	111	3.86	.133	2	10	2.90	69	.05	4	2.64	.07	.50	3	8
6502	2	144	13	148	.2	13	16	2239	5.51	10	5	ND	1	160	1	2	2	119	1.48	.134	2	13	2.98	102	.20	5	2.77	.06	.80	1	5
6503	2	33	12	147	.1	13	29	2292	6.52	21	5	ND	1	174	1	2	2	117	1.82	.147	2	13	2.97	52	.19	3	2.55	.08	.29	10	6
6504	2	9	12	107	.3	9	20	2175	4.37	11	7	ND	1	174	1	2	2	92	3.22	.132	4	8	2.10	85	.19	5	2.16	.08	.66	1	7
6505	3	16	11	160	.1	13	22	2349	5.75	18	5	ND	1	63	1	2	2	109	1.05	.151	2	12	3.10	65	.21	5	2.78	.07	.44	1	5
6506	2	38	10	134	.1	12	26	2050	5.00	8	5	ND	1	61	1	2	2	105	1.19	.134	3	12	2.69	80	.19	3	2.46	.07	.63	1	6
6507	4	84	12	146	.3	18	15	2316	6.15	9	5	ND	1	67	1	2	2	161	1.57	.140	2	24	2.94	83	.22	2	2.66	.08	.97	2	8
6508	3	109	8	161	.2	14	20	2188	6.00	6	5	ND	1	45	1	2	2	141	1.00	.149	2	19	2.95	75	.22	2	2.74	.08	1.11	1	7
6509	2	574	11	131	.7	15	23	1988	5.18	7	5	ND	1	76	1	2	2	100	1.24	.141	2	19	2.69	88	.22	5	2.47	.07	.79	1	12
6510	2	529	11	111	.4	12	10	1843	4.18	7	5	ND	1	99	1	2	2	118	1.77	.128	4	16	2.30	113	.24	5	2.20	.07	.72	1	7
6511	2	31	11	114	.4	14	31	1657	4.35	26	5	ND	1	63	1	3	2	114	1.12	.158	4	13	2.23	52	.20	5	2.02	.07	.57	1	14
6512	2	34	2	22	.1	8	10	595	1.38	9	5	ND	1	77	1	2	2	40	1.43	.088	3	15	.42	38	.12	3	.59	.07	.12	2	4
6513	3	221	11	126	.3	14	22	1870	4.81	17	5	ND	1	58	1	2	2	115	1.17	.133	4	18	2.66	77	.23	5	2.42	.08	1.04	1	12
6514	2	203	8	124	.3	9	23	1649	5.07	14	5	ND	1	72	1	2	2	95	.98	.140	2	9	2.23	64	.19	7	2.20	.07	.55	1	8
6515	2	196	8	93	.3	10	27	1334	3.85	15	5	ND	1	105	1	2	2	74	1.40	.137	2	9	1.72	68	.22	5	1.72	.08	.34	2	3
6516	2	126	8	105	.1	13	17	1611	3.53	5	5	ND	1	97	1	5	2	77	1.59	.140	2	10	2.16	67	.20	6	2.03	.08	.38	1	2
6517	3	20	10	111	.2	10	20	2087	4.43	13	5	ND	1	105	1	2	9	114	3.17	.127	4	10	2.34	83	.19	5	2.07	.09	.53	3	3020
6518	3	41	8	108	.1	11	26	1471	4.59	9	5	ND	1	78	1	2	2	100	1.07	.143	3	10	2.08	118	.22	7	2.05	.08	.76	1	1
6519	2	12	11	118	.1	14	34	1548	4.96	15	5	ND	1	88	1	3	2	112	1.44	.142	2	16	2.15	68	.25	4	2.03	.08	.85	1	11
6520	2	9	8	122	.1	15	34	1658	5.58	16	5	ND	1	96	1	2	2	118	1.31	.137	2	14	2.33	61	.25	6	2.17	.07	.94	1	6
6521	3	23	29	132	.2	15	38	1678	5.24	18	5	ND	1	139	1	2	3	109	1.64	.137	2	16	2.37	62	.22	5	2.26	.07	.94	1	9
6522	6	428	15	137	1.0	19	38	2372	7.66	32	5	ND	2	108	1	2	3	183	2.60	.134	9	40	2.09	77	.08	2	2.26	.07	1.07	1	38
6523	3	112	14	148	.4	17	36	2266	7.72	21	5	ND	1	166	1	2	2	216	1.68	.133	2	21	3.08	61	.27	2	2.81	.07	1.40	1	6
6524	1	22	7	96	.3	16	13	3456	5.04	19	13	ND	1	190	1	2	4	78	8.51	.153	4	52	1.26	44	.06	5	1.33	.08	.52	1	1
6525	2	63	10	152	.2	16	28	2352	7.74	20	5	ND	1	104	1	2	3	220	1.83	.137	2	21	3.29	100	.29	2	2.72	.08	.92	2	11
6526	2	127	9	110	.2	13	27	1740	4.92	16	5	ND	1	86	1	2	3	127	1.68	.140	2	19	2.27	161	.26	6	2.22	.07	1.36	1	9
6527	2	6	14	85	.3	11	11	2137	4.86	7	13	ND	1	240	1	2	2	92	4.97	.144	4	25	2.37	281	.10	11	1.76	.07	.85	1	1
6528	2	8	12	89	.2	11	14	1781	4.89	16	5	ND	1	174	1	2	2	115	2.70	.151	2	32	2.09	124	.17	10	2.06	.07	1.11	1	6
6529	2	94	13	96	.4	12	20	2898	5.20	31	10	ND	1	741	1	2	3	88	6.90	.101	8	14	2.72	151	.04	11	1.13	.08	.73	2	3
6530	8	331	12	159	.4	22	21	2414	7.05	9	5	ND	1	129	1	2	2	202	1.68	.123	2	39	3.32	149	.24	4	2.96	.07	.91	1	5
6531	1	989	10	110	1.0	13	37	1846	6.29	14	5	ND	1	102	1	2	3	142	2.23	.123	6	28	2.29	30	.18	7	2.07	.08	.14	1	23
6532	3	41	12	138	.5	30	39	2955	7.41	12	8	ND	2	130	1	2	3	155	5.20	.115	6	62	3.13	74	.12	3	2.63	.08	.40	2	63
6533	2	268	10	146	.5	34	38	2313	6.69	20	5	ND	1	82	1	2	3	156	2.33	.147	6	96	3.14	75	.23	8	2.58	.07	.53	1	10
6534	2	16	7	102	.2	48	17	1806	5.96	13	5	ND	1	135	1	2	2	86	1.65	.180	4	175	2.43	110	.17	6	2.05	.07	.75	1	2
6535	1	162	5	83	.3	40	14	1439	4.60	15	5	ND	1	80	1	3	3	81	1.35	.176	3	164	1.86	106	.18	7	1.75	.07	1.14	1	4
STD C/AU-R	22	59	40	137	7.3	70	29	1115	3.96	36	15	7	35	49	18	17	21	68	.48	.106	38	59	.88	182	.08	37	1.73	.09	.14	12	490

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.ND AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: SEPT 26 1986 DATE REPORT MAILED: *Sept 29/86* ASSAYER: *D. J. J...* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2897

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# PPM
0580	1	11	6	55	.1	19	4	490	1.47	2	5	ND	1	37	1	2	2	38	.44	.067	2	27	.96	73	.11	3	.93	.07	.10	1	15
0581	1	27	13	135	.3	9	14	1164	4.58	6	5	ND	1	63	1	3	2	112	1.22	.138	2	1	2.18	132	.17	6	2.08	.08	.49	1	28
0582	1	70	11	100	.3	12	12	1108	3.79	2	5	ND	1	62	1	2	2	82	1.83	.127	4	4	1.97	110	.09	4	1.95	.07	.34	1	134
0583	1	61	11	93	.3	10	15	1356	3.94	6	5	ND	1	80	1	2	2	83	3.59	.118	4	6	1.78	101	.12	5	1.85	.08	.69	1	540
0584	6	173	9	86	.5	15	21	1390	4.76	8	8	ND	1	93	1	2	2	67	4.24	.106	3	15	1.94	60	.05	5	1.81	.08	.47	1	139
0585	4	309	13	138	.7	18	33	1354	8.15	12	6	ND	1	52	1	2	2	93	2.79	.117	5	18	2.87	22	.01	2	2.51	.07	.21	1	127
0586	3	239	11	72	.3	6	18	1005	5.01	6	5	ND	1	48	1	2	2	69	3.06	.143	5	4	1.38	35	.01	3	1.43	.06	.24	1	77
0587	1	45	8	56	.1	11	6	734	2.28	2	5	ND	1	35	1	2	2	44	2.34	.095	7	19	1.00	112	.01	3	.99	.07	.16	1	18
0588	5	365	6	68	.3	16	7	619	2.03	5	5	ND	1	36	1	2	2	28	1.57	.069	4	25	.91	90	.01	2	.83	.07	.16	1	150
0589	5	59	6	45	.1	17	8	599	1.96	3	5	ND	1	31	1	2	2	20	1.61	.068	3	19	.82	82	.01	3	.66	.07	.16	1	57
0590	2	112	11	55	.2	61	14	626	2.95	3	5	ND	5	76	1	3	2	58	2.07	.092	22	101	2.21	118	.01	5	1.38	.07	.15	1	17
0591	7	178	8	85	.3	79	15	867	3.68	10	5	ND	2	52	1	2	2	51	1.92	.076	7	51	1.81	59	.02	6	1.44	.08	.19	1	134
0592	5	511	8	80	.6	124	31	876	5.23	17	14	ND	9	266	1	3	4	130	4.01	.117	30	202	4.23	77	.09	2	2.57	.15	.29	1	116
0593	5	712	14	149	1.0	76	35	1366	6.40	29	8	ND	6	127	1	2	5	148	3.41	.124	24	135	3.82	46	.09	6	2.67	.08	.46	1	129
0594	3	4573	11	135	4.5	18	33	1184	7.44	19	5	ND	1	59	1	2	2	100	1.79	.098	2	27	2.01	25	.09	3	1.70	.07	.25	1	3300
0595	4	873	10	116	1.0	15	19	1081	5.29	23	5	ND	1	62	1	3	2	96	1.65	.106	4	32	1.99	42	.09	4	1.69	.06	.43	1	230
0596	33	1234	12	107	1.4	17	28	1185	5.54	15	5	ND	1	73	1	2	2	78	2.43	.108	2	43	1.93	36	.13	5	1.67	.06	.50	1	320
0597	59	363	14	116	.7	50	23	1203	5.58	14	6	ND	4	139	1	2	3	154	2.42	.129	14	93	3.22	70	.22	6	2.44	.11	.65	3	170
0598	23	537	14	159	1.0	28	46	1429	8.39	42	5	ND	1	47	1	2	2	199	1.67	.108	2	33	3.65	38	.21	2	2.85	.07	1.13	1	141
0599	8	253	10	64	.5	15	35	816	5.86	43	5	ND	1	98	1	2	3	75	2.33	.106	2	18	1.15	24	.08	2	1.04	.06	.22	1	168
0600	5	507	9	93	.6	18	19	1040	5.93	34	5	ND	1	77	1	2	2	94	1.87	.123	3	49	2.34	29	.01	3	1.76	.06	.16	1	76
0601	3	272	9	55	.3	11	12	964	4.01	22	10	ND	1	265	1	2	2	49	3.13	.118	5	19	1.49	38	.01	5	.93	.06	.18	1	119
0602	3	254	7	49	.3	13	12	1311	4.17	31	17	ND	1	366	1	3	2	25	5.95	.074	6	9	1.93	35	.01	5	.45	.07	.18	1	150
0603	5	323	4	81	.3	12	13	750	3.69	18	5	ND	1	87	1	2	2	49	1.85	.122	4	10	1.36	42	.01	5	1.06	.05	.23	1	110
0604	19	19	7	122	.2	8	11	763	3.24	12	6	ND	1	68	1	4	2	60	1.48	.124	6	14	1.48	54	.01	5	1.15	.07	.13	21	39
0605	5	11	2	65	.1	8	6	644	2.04	8	5	ND	1	86	1	2	2	51	1.68	.157	7	6	1.03	76	.01	4	.97	.07	.16	1	30
0606	5	145	8	67	.3	10	17	649	3.45	15	5	ND	1	192	1	2	2	50	1.88	.127	5	11	1.06	61	.01	5	1.03	.06	.21	1	152
0607	1	48	4	91	.2	16	20	796	4.15	11	5	ND	1	101	1	4	2	67	1.33	.113	3	30	1.71	48	.01	5	1.39	.05	.18	1	36
0608	3	528	3	70	.5	13	17	783	4.20	11	5	ND	1	69	1	2	2	60	1.49	.115	6	14	1.23	50	.02	2	1.07	.05	.26	1	69
0609	5	221	5	68	.4	11	14	650	3.75	10	5	ND	2	57	1	2	2	58	.45	.129	6	12	1.07	58	.01	2	1.06	.05	.18	1	106
0610	6	620	11	94	.9	34	24	1043	5.70	16	6	ND	4	127	1	2	2	106	3.24	.130	19	78	2.18	53	.03	3	1.76	.07	.32	1	109
0611	12	932	11	34	.8	20	30	396	4.73	15	5	ND	2	74	1	2	2	46	1.55	.099	12	25	.56	25	.01	4	.62	.06	.17	1	340
0612	5	126	10	64	.2	8	14	838	4.40	31	8	ND	1	199	1	2	2	57	3.22	.117	6	9	1.45	53	.01	4	1.30	.06	.20	1	94
0613	5	148	12	46	.4	12	17	614	4.95	67	9	ND	1	238	1	2	2	51	3.53	.108	3	12	1.10	37	.01	5	.92	.06	.15	1	109
0614	2	115	6	71	1.4	18	13	1122	4.57	6	5	ND	1	54	1	2	2	52	.76	.132	8	15	.65	37	.01	4	.76	.04	.21	1	690
0615	1	88	3	72	.4	14	11	1046	4.22	5	5	ND	1	76	1	3	2	48	1.95	.124	6	13	1.08	43	.01	5	.91	.05	.16	1	720
STD C/AU-R	21	59	42	132	7.1	67	28	997	3.96	35	17	7	34	48	17	16	19	67	.48	.099	35	59	.88	181	.08	34	1.73	.09	.13	13	490

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	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	M PPM	Au# PPB
0616	4	125	3	63	.4	10	10	876	4.08	9	5	ND	2	158	1	2	3	53	2.87	.145	12	15	1.00	43	.01	6	.76	.06	.15	1	450
0617	6	120	5	65	.4	5	7	1678	3.66	6	5	ND	1	250	1	2	2	52	7.12	.121	8	6	1.70	65	.01	4	.78	.07	.11	1	360
0618	1	196	3	64	.4	8	8	980	3.79	12	5	ND	1	135	1	2	2	52	2.63	.149	6	5	.91	50	.01	6	.77	.05	.16	1	1010
0619	1	86	6	66	.3	10	10	1102	4.25	2	7	ND	1	192	1	2	2	84	2.71	.129	5	18	1.39	56	.04	4	1.28	.07	.42	1	540
0620	2	202	7	66	.5	11	11	1028	4.44	7	6	ND	1	227	1	2	2	85	1.91	.128	4	17	1.52	53	.06	6	1.29	.06	.32	1	495
0621	4	203	5	89	.4	13	11	1231	4.60	10	7	ND	1	226	1	3	2	81	2.68	.125	3	30	1.70	53	.04	5	1.44	.07	.48	1	280
0622	2	281	4	100	.5	14	11	1349	4.94	13	6	ND	1	207	1	4	2	82	2.42	.126	12	32	2.16	53	.03	6	1.76	.06	.35	1	290
0623	2	169	6	67	.4	12	12	902	4.30	8	5	ND	1	125	1	5	3	68	1.83	.129	6	14	1.49	53	.03	6	1.25	.06	.27	1	121
0624	2	133	7	90	.2	14	12	1284	4.88	6	7	ND	1	227	1	3	2	84	2.46	.125	5	29	2.12	43	.02	5	1.61	.07	.21	2	175
0625	2	97	5	69	.2	12	13	1019	4.39	10	5	ND	1	208	1	2	2	73	2.17	.119	5	16	1.54	42	.01	5	1.22	.07	.14	1	185
0626	5	38	3	56	.2	13	15	806	4.28	14	6	ND	1	247	1	2	2	80	1.91	.119	3	16	1.23	40	.01	6	1.00	.06	.14	1	180
0627	1	548	7	83	1.0	25	21	1113	5.90	10	5	ND	1	75	1	5	3	114	1.55	.142	3	32	1.77	22	.19	6	1.45	.08	.18	2	1000
0628	2	550	7	97	.7	27	17	1619	5.54	14	5	ND	1	307	1	2	2	142	3.43	.132	3	33	2.27	75	.20	7	2.16	.07	1.00	1	810
0629	3	327	10	85	.7	22	19	1493	5.47	7	5	2	1	137	1	2	2	135	2.96	.132	3	32	2.06	63	.15	6	1.86	.08	.80	1	1120
0630	2	409	8	88	.7	11	15	1199	5.30	10	5	ND	1	122	1	2	3	80	2.14	.124	3	24	1.94	48	.05	5	1.59	.06	.42	1	1540
0631	2	438	12	101	.7	14	15	1426	5.32	5	8	ND	1	314	1	2	3	92	2.64	.112	5	24	2.15	45	.05	5	1.74	.07	.46	1	585
0632	3	262	11	80	.5	11	14	1127	3.96	9	5	ND	1	225	1	2	2	74	3.10	.118	11	21	1.46	61	.02	6	1.30	.06	.24	1	545
0633	4	529	8	90	1.1	20	26	948	5.28	18	5	ND	1	41	1	5	2	38	1.26	.126	5	5	.30	26	.01	7	.40	.04	.15	1	470
0634	1	397	9	79	.5	19	17	1539	5.56	14	5	ND	1	64	1	2	2	49	3.25	.157	10	6	.59	27	.01	5	.48	.06	.21	1	430
0635	2	158	6	54	.3	12	18	963	4.64	10	5	ND	1	59	1	3	2	59	2.16	.162	8	3	.46	37	.02	5	.73	.05	.33	1	230
0636	2	77	6	84	.2	16	23	1323	5.42	11	5	ND	1	56	1	4	3	39	2.45	.123	4	1	.30	40	.01	5	.47	.06	.18	1	195
0637	1	7	2	42	.1	9	4	693	1.61	2	5	ND	1	44	1	5	2	18	1.86	.063	3	8	.17	65	.01	3	.39	.07	.16	3	33
0638	1	16	4	51	.1	14	5	692	1.67	3	5	ND	1	53	1	2	2	11	1.90	.071	6	9	.18	104	.01	3	.36	.06	.14	1	28
0639	1	20	3	27	.1	8	4	717	.95	6	5	ND	1	62	1	2	2	6	2.61	.065	8	4	.11	135	.01	3	.34	.06	.19	1	32
0640	1	14	3	41	.2	11	4	876	1.25	3	5	ND	2	87	1	2	3	13	2.94	.064	11	7	.30	295	.01	4	.40	.06	.22	1	50
0641	7	5	5	31	.1	9	5	746	1.29	2	5	ND	1	90	1	2	2	5	2.45	.061	9	5	.56	214	.01	4	.36	.05	.24	2	18
0642	1	17	4	101	.1	11	7	1038	2.10	6	5	ND	1	254	1	2	2	8	3.75	.058	3	2	1.17	137	.01	5	.29	.07	.18	1	67
0643	7	16	2	25	.1	7	5	589	1.36	5	5	ND	1	62	1	2	2	6	2.25	.064	5	3	.73	231	.01	5	.34	.06	.23	1	48
0644	1	6	2	29	.1	6	3	572	1.33	3	5	ND	1	64	1	2	2	6	2.78	.056	4	4	.87	277	.01	3	.29	.06	.18	1	44
0645	1	6	3	33	.1	8	9	629	1.79	2	5	ND	1	51	1	2	2	5	1.89	.058	4	3	.69	168	.01	4	.33	.05	.23	1	37
0646	3	3	2	31	.1	8	4	570	1.72	5	5	ND	1	72	1	2	2	10	1.81	.058	3	4	.68	275	.01	6	.35	.07	.27	2	12
0647	1	5	4	33	.1	9	5	684	1.72	5	5	ND	1	67	1	2	2	8	2.42	.057	4	6	.73	242	.01	5	.47	.06	.33	1	13
0648	2	5	2	27	.1	8	3	672	1.32	2	5	ND	1	52	1	2	2	6	2.20	.057	4	5	.57	221	.01	4	.38	.06	.27	1	29
0649	2	12	4	26	.1	10	5	583	1.46	2	5	ND	1	57	1	2	2	7	1.95	.052	4	8	.49	218	.01	3	.55	.05	.37	1	29
0650	2	16	4	25	.1	8	6	592	1.49	3	5	ND	1	54	1	2	2	15	2.19	.066	4	3	.47	192	.01	4	.61	.06	.36	1	11
0651	1	53	5	79	.2	14	17	1014	4.98	10	5	ND	1	63	1	2	2	90	1.51	.134	3	1	1.50	83	.08	5	1.82	.06	.94	1	27
STD C/AU-R	21	58	41	132	6.9	67	27	998	3.96	38	16	7	34	48	17	15	21	67	.48	.101	36	54	.88	180	.08	35	1.73	.09	.13	13	495

IMPERIAL METALS PROJECT - 4117 FILE # 86-2897

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	M	Au#
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPB
0652	3	10	6	35	.1	9	7	702	2.17	3	5	ND	1	60	1	2	2	23	2.08	.079	4	2	.60	135	.01	4	.56	.06	.27	2	42
0653	2	32	7	75	.1	15	19	1078	4.38	11	5	ND	2	63	1	2	5	69	1.61	.153	7	1	1.06	78	.06	3	1.41	.05	.84	1	19
0654	3	47	9	38	.1	18	9	630	2.01	7	5	ND	4	69	1	3	3	21	2.50	.069	11	4	.61	216	.01	4	.49	.05	.23	2	7
0655	1	9	6	28	.1	5	4	400	1.50	2	5	ND	5	49	1	3	2	12	1.71	.056	14	4	.42	170	.01	5	.29	.06	.16	1	1
0656	1	16	6	32	.1	5	4	396	1.55	2	5	ND	5	59	1	2	2	13	1.89	.060	14	5	.35	232	.01	4	.32	.06	.16	1	2
0657	1	16	6	36	.1	6	5	481	1.87	2	5	ND	6	65	1	2	2	19	1.97	.056	14	9	.55	199	.01	3	.60	.07	.12	1	1
0658	1	11	6	39	.1	6	5	513	1.90	2	5	ND	5	76	1	2	2	16	2.43	.055	15	6	.47	324	.01	4	.52	.06	.13	1	1
0659	1	23	6	40	.1	5	5	478	1.75	2	5	ND	5	74	1	2	2	18	2.32	.055	15	10	.51	293	.01	3	.63	.07	.13	1	1
0660	1	14	4	43	.1	7	5	492	1.90	2	5	ND	5	68	1	2	2	22	2.18	.054	12	11	.49	210	.01	2	.64	.07	.13	1	2
0661	1	27	8	112	.2	16	15	1129	5.26	2	5	ND	2	197	1	2	2	82	2.78	.134	5	2	2.05	60	.01	3	2.22	.07	.20	1	7
0662	5	10	8	44	.1	15	11	774	2.28	2	5	ND	2	133	1	2	2	16	3.41	.069	5	9	.45	143	.01	4	.62	.06	.20	2	22
0663	3	210	11	78	.3	39	17	1492	4.30	21	5	ND	2	79	1	2	2	50	3.02	.130	7	48	.66	170	.01	3	.47	.06	.18	1	29
0664	2	41	10	54	.3	55	17	1287	3.77	4	5	ND	16	200	1	2	2	84	6.45	.151	53	104	.53	93	.01	3	.56	.07	.03	1	1
0665	4	39	12	54	.1	121	17	761	3.18	2	5	ND	14	989	1	2	2	87	4.94	.126	33	255	3.18	131	.13	3	1.88	.21	.08	1	1
0666	2	16	4	119	.2	21	12	1638	3.64	9	5	ND	2	200	1	2	2	94	4.88	.132	2	19	2.68	19	.14	4	2.11	.07	.03	1	11
0667	3	12	5	113	.2	22	11	1768	3.98	7	5	ND	1	239	1	2	2	106	5.11	.118	2	41	2.73	28	.07	8	2.18	.07	.12	1	3
0668	1	20	7	161	.4	18	33	1572	6.49	20	5	ND	1	108	1	2	2	129	2.69	.139	2	16	3.02	63	.15	2	2.47	.07	.61	6	92
0669	1	20	3	134	.3	14	28	1633	5.82	20	5	ND	1	159	1	2	2	111	4.03	.133	3	18	2.52	54	.15	5	2.19	.07	.35	1	147
0670	1	17	7	100	.3	22	31	2074	4.98	13	5	ND	2	139	1	2	2	105	5.58	.121	2	70	2.34	89	.07	2	2.27	.07	.68	1	20
0671	1	127	6	60	.2	16	38	1052	3.76	12	8	ND	1	291	1	2	2	75	2.23	.097	2	27	1.43	38	.16	6	1.36	.06	.24	1	42
0672	3	121	7	105	.3	14	23	1970	5.90	13	5	ND	2	130	1	2	2	125	4.29	.127	5	16	2.68	80	.12	5	2.49	.08	1.07	1	73
STD C/AU-R	21	58	38	133	7.1	68	28	1005	3.96	36	18	7	35	48	17	16	20	67	4.8	.101	37	59	.88	181	.08	33	1.73	.09	.14	15	510

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.ND AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 PT: PD: RH: BY FA+AA. SAMPLE TYPE: CORE AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 2 1986 DATE REPORT MAILED: *Oct 4/86* ASSAYER: *[Signature]* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2996

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
0501	1	7	8	69	.1	16	5	604	1.38	8	5	ND	1	41	1	2	2	17	1.55	.064	3	21	.70	194	.01	3	.80	.12	.13	1	18
0502	1	6	4	53	.1	13	5	514	1.24	3	5	ND	1	38	1	2	2	16	1.34	.062	3	21	.68	161	.01	3	.77	.10	.15	1	12
0503	1	8	4	54	.1	16	4	606	1.13	10	5	ND	1	56	1	2	2	16	1.73	.065	8	22	.71	207	.01	4	.80	.09	.18	1	5
0504	1	8	7	59	.2	19	5	575	1.30	8	5	ND	1	45	1	2	2	15	1.45	.064	7	19	.71	135	.01	5	.77	.08	.18	1	14
0505	1	9	3	48	.1	14	5	633	1.16	5	5	ND	1	69	1	2	2	10	2.56	.061	6	12	.52	174	.01	4	.67	.08	.21	1	14
0506	6	23	6	66	.1	16	5	693	1.40	6	5	ND	1	57	1	2	2	14	1.97	.063	4	20	.70	161	.01	3	.79	.08	.17	1	12
0507	1	15	6	63	.1	15	7	602	1.45	7	5	ND	1	43	1	2	2	13	1.68	.062	3	18	.66	89	.01	5	.75	.08	.17	1	26
0508	1	50	6	84	.1	13	9	973	2.38	8	5	ND	1	92	1	2	2	48	2.26	.081	4	29	1.12	60	.07	5	1.11	.09	.13	1	360
0509	2	46	7	84	.1	9	18	1089	3.51	10	5	ND	1	106	1	2	2	86	2.38	.104	4	16	1.48	60	.17	6	1.37	.09	.33	1	29
0510	2	44	9	100	.3	9	14	1308	3.85	15	5	ND	1	121	1	2	2	107	2.83	.104	3	19	1.81	83	.18	6	1.66	.10	.29	1	16
0511	1	425	9	63	.7	11	13	1021	2.36	9	5	ND	1	90	1	2	2	51	3.46	.075	3	16	1.05	52	.06	6	1.08	.09	.26	1	37
0512	1	27	2	55	.1	14	4	747	1.35	6	5	ND	1	60	1	2	2	15	2.37	.066	3	18	.61	139	.01	4	.73	.08	.19	1	9
0513	1	21	2	44	.1	13	2	746	1.22	4	5	ND	1	68	1	2	3	13	2.52	.062	3	19	.58	182	.01	2	.72	.08	.22	2	13
0514	1	6	2	45	.1	14	2	843	1.21	3	5	ND	1	65	1	2	2	9	2.38	.057	4	16	.59	180	.01	2	.62	.08	.20	2	7
0515	1	9	2	37	.1	9	2	951	1.09	2	5	ND	1	88	1	2	2	6	3.30	.061	8	10	.62	335	.01	4	.36	.08	.19	1	22
0516	1	861	4	46	.5	9	4	792	1.37	32	5	ND	1	83	1	4	2	4	2.42	.060	8	6	.71	185	.01	5	.33	.07	.24	1	62
0517	1	6	3	40	.1	9	4	853	1.46	7	5	ND	1	92	1	2	2	6	2.55	.063	4	8	.70	288	.01	5	.35	.09	.25	1	25
0518	1	5	2	36	.1	12	4	732	1.13	2	5	ND	1	134	1	2	2	8	2.23	.063	13	11	.51	306	.01	3	.54	.08	.23	1	10
0519	1	5	4	45	.1	19	7	670	1.25	7	5	ND	1	78	1	2	2	11	2.05	.064	15	20	.66	181	.01	4	.76	.09	.19	1	16
0520	1	4	2	38	.1	12	2	589	.97	2	5	ND	1	86	1	2	2	10	1.98	.066	7	16	.55	158	.01	5	.69	.08	.21	2	3
0521	2	4	4	44	.1	16	4	590	1.39	3	5	ND	1	70	1	2	2	12	2.07	.065	9	17	.61	139	.01	3	.76	.08	.19	2	13
0522	1	3	2	49	.1	14	3	625	1.48	7	5	ND	1	65	1	2	2	15	2.10	.062	10	20	.72	143	.01	6	.81	.08	.13	1	28
0523	1	4	2	45	.1	15	4	579	1.25	2	5	ND	1	68	1	2	2	10	1.91	.062	6	20	.61	175	.01	3	.75	.07	.20	2	16
0524	1	5	2	43	.1	12	3	645	1.28	4	5	ND	1	82	1	2	2	10	2.41	.060	5	17	.58	218	.01	3	.72	.07	.19	2	24
0525	1	4	2	43	.1	12	3	666	1.17	2	5	ND	1	111	1	2	2	12	2.58	.062	9	15	.55	313	.01	4	.72	.07	.19	2	13
0526	1	4	2	42	.1	16	8	519	1.82	3	5	ND	1	85	1	2	2	13	1.79	.065	6	18	.62	116	.01	3	.72	.08	.15	2	24
0527	1	4	2	48	.1	18	6	542	1.84	2	5	ND	1	47	1	2	2	18	1.54	.065	4	27	.77	80	.01	4	.82	.09	.16	6	35
0528	1	5	5	46	.1	17	8	555	2.19	5	5	ND	1	54	1	2	2	15	2.03	.063	4	21	.58	84	.01	4	.68	.10	.16	4	54
0529	1	5	2	33	.1	13	6	478	1.75	4	5	ND	1	82	1	2	2	8	1.72	.062	3	13	.54	94	.01	5	.39	.08	.20	1	35
0530	1	4	3	37	.1	13	4	620	1.48	5	5	ND	1	98	1	2	2	10	1.96	.072	4	10	.64	239	.01	5	.46	.09	.19	1	28
0531	2	8	2	44	.1	12	2	842	1.44	2	5	ND	1	122	1	2	2	16	2.99	.065	3	20	.66	258	.01	4	.64	.09	.16	1	35
0532	5	3	2	47	.1	15	3	669	1.25	2	5	ND	1	115	1	2	2	15	2.41	.064	5	19	.65	189	.01	4	.72	.09	.17	2	10
0533	2	20	2	40	.1	12	3	619	1.22	2	5	ND	1	213	1	2	2	14	2.15	.064	3	19	.57	141	.02	6	.70	.08	.26	1	6
0534	2	3	2	62	.2	13	6	1044	2.07	7	5	ND	1	218	1	2	2	32	4.16	.111	3	14	1.07	198	.06	11	1.16	.07	.65	2	121
0535	31	38	7	69	.3	15	6	1860	3.35	5	8	ND	1	222	1	2	2	83	7.20	.112	6	14	1.40	229	.14	4	1.19	.08	1.01	4	134
0536	2	28	10	133	.3	27	25	1686	5.42	16	5	ND	1	118	1	2	2	97	3.76	.124	7	29	2.50	75	.15	5	2.24	.08	1.09	1	1530
STD C/AU-R	21	59	39	133	7.1	68	28	993	3.96	37	15	7	34	47	17	16	20	66	.48	.100	37	58	.88	178	.08	34	1.73	.09	.13	15	490

IMPERIAL METALS PROJECT - 4117 FILE # 86-2996

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 %	P PPM	Al %	Na %	K %	W PPM	Au# PPB
0537	4	111	7	136	.3	25	27	2115	6.51	11	5	ND	2	147	1	2	2	160	4.70	.127	6	47	3.63	88	.19	4	3.04	.09	.97	1	205
0538	3	31	9	108	.2	24	24	1846	6.47	10	5	ND	2	169	1	2	2	145	3.07	.125	2	41	3.40	71	.18	2	2.83	.08	.79	1	129
0539	2	75	6	82	.1	11	14	1453	4.50	12	5	ND	2	100	1	2	2	135	3.19	.119	3	17	2.39	95	.16	6	2.18	.09	.83	1	64
0540	4	107	11	98	.3	15	20	1532	6.04	14	5	ND	2	75	1	2	2	134	2.24	.130	2	21	2.95	77	.19	4	2.54	.09	.92	2	73
0541	2	111	6	113	.2	15	21	1655	6.08	9	5	ND	2	88	1	2	2	154	2.45	.131	2	21	3.14	88	.20	3	2.74	.08	.94	1	79
0542	5	78	151	83	1.2	17	23	1308	5.67	12	5	ND	2	167	1	3	2	84	2.98	.124	3	45	2.04	59	.13	2	1.93	.08	.90	2	480
0543	3	17	5	78	.1	12	16	1064	4.41	15	5	ND	1	109	1	2	2	84	2.10	.138	5	20	1.74	94	.13	5	1.80	.07	.83	1	66
0544	4	78	10	85	.2	14	24	1106	5.91	15	5	ND	2	111	1	2	2	84	2.57	.130	2	22	1.76	54	.13	9	1.76	.08	.80	4	93
0545	6	16	4	75	.2	10	20	867	4.32	10	5	ND	2	99	1	2	3	72	1.88	.140	2	15	1.37	63	.11	3	1.34	.07	.54	1	136
0546	6	20	7	107	.1	18	26	1199	6.17	12	5	ND	1	53	1	2	2	106	1.67	.130	2	56	2.24	61	.15	3	1.98	.09	.83	1	124
0547	4	31	9	113	.2	17	23	1369	6.40	19	5	ND	2	113	1	4	2	127	2.23	.144	6	51	2.34	49	.11	3	1.94	.09	.21	2	150
0548	2	30	11	89	.2	17	20	1036	6.05	16	5	ND	1	60	1	5	2	101	1.21	.137	4	33	2.06	56	.13	5	1.79	.07	.47	1	87
0549	2	28	5	85	.1	15	17	1109	4.99	9	5	ND	2	99	1	2	2	104	2.02	.129	5	30	1.86	37	.06	5	1.53	.08	.15	1	139
0550	2	48	10	101	.2	16	26	1210	6.26	13	5	ND	2	151	1	2	2	93	2.46	.134	3	32	1.90	50	.03	4	1.68	.08	.22	1	147
0551	7	21	7	90	.1	13	20	1235	5.24	14	5	ND	2	97	1	4	2	84	3.08	.136	3	27	1.73	49	.04	3	1.61	.08	.35	1	55
0552	3	65	9	118	.2	20	29	1312	6.75	12	5	ND	2	52	1	2	2	100	1.73	.136	6	35	2.29	43	.06	5	1.99	.07	.48	1	115
0553	5	194	15	113	.4	21	32	1306	10.11	18	5	ND	2	69	1	2	2	96	1.26	.098	2	30	2.36	27	.07	2	2.04	.07	.37	1	132
0554	5	55	9	125	.2	34	25	1914	8.23	22	5	ND	2	113	1	2	2	183	2.14	.126	2	69	3.82	40	.17	2	2.86	.10	.47	2	99
0555	4	93	14	88	.2	14	21	1076	6.62	20	5	ND	1	99	1	4	2	102	1.72	.149	5	23	1.86	43	.10	7	1.65	.07	.36	2	105
0556	3	27	7	82	.1	15	22	1033	7.13	17	5	ND	1	83	1	2	2	116	1.46	.174	5	21	1.94	44	.15	4	1.66	.08	.32	2	82
0557	2	71	9	80	.2	18	20	1012	6.49	18	5	ND	1	62	1	2	2	105	1.26	.180	4	26	1.98	42	.15	5	1.67	.09	.30	2	330
0558	2	122	13	102	.3	12	26	1178	6.04	20	5	ND	2	75	1	2	2	120	1.78	.191	2	19	2.24	42	.16	4	1.86	.10	.26	1	210
0559	15	26	10	86	.2	13	26	1137	5.25	18	5	ND	2	137	1	2	2	90	2.90	.154	5	24	1.72	62	.16	6	1.80	.08	.89	4	43
0560	7	28	4	58	.2	18	15	748	3.04	6	5	ND	2	119	1	2	2	32	1.95	.087	3	20	.99	90	.05	5	1.13	.07	.48	1	44
0561	21	76	6	37	.1	16	14	650	2.79	6	5	ND	2	423	1	2	3	17	3.41	.071	7	13	.55	57	.01	5	.77	.07	.25	2	42
0562	8	14	8	58	.1	15	9	791	2.58	6	5	ND	2	114	1	2	3	30	2.69	.069	5	25	.91	77	.01	5	1.01	.09	.23	1	14
0563	6	13	7	73	.1	19	11	842	3.07	7	5	ND	2	96	1	7	2	36	1.96	.070	3	32	1.06	81	.01	4	1.07	.09	.16	1	13
0564	6	21	6	67	.2	16	8	694	2.51	7	5	ND	2	89	1	3	2	37	1.42	.073	4	36	1.02	100	.03	5	1.01	.10	.16	1	11
0565	7	492	5	73	.6	17	16	868	4.31	6	5	ND	2	101	1	4	2	56	1.80	.083	3	28	1.34	62	.08	6	1.36	.09	.20	1	49
0566	3	48	11	72	.2	13	16	1028	4.27	7	5	ND	2	128	1	2	2	101	2.32	.132	5	27	1.64	80	.13	5	1.53	.08	.42	1	47
0567	5	664	8	135	1.1	18	34	1518	7.02	18	5	ND	2	132	1	2	2	169	2.67	.122	2	24	2.86	59	.26	2	2.59	.09	1.06	1	96
0568	6	328	8	130	.6	22	27	1807	6.31	17	5	ND	3	174	1	2	2	152	4.56	.119	4	55	3.03	73	.09	3	2.44	.09	.34	1	53
0569	8	133	16	83	.7	14	16	1898	3.96	10	5	ND	3	571	1	2	2	35	6.46	.120	5	21	1.81	92	.01	10	.86	.08	.34	1	42
0570	3	25	6	79	.2	14	7	2277	4.22	3	5	ND	3	419	1	2	2	43	8.51	.139	3	9	1.94	670	.01	8	.93	.08	.41	1	9
0571	7	44	8	85	.7	25	11	2189	5.09	6	5	ND	4	513	1	2	2	136	9.54	.127	6	35	2.06	94	.08	4	1.80	.11	.40	2	159
0572	7	32	10	58	.8	20	10	1752	3.68	2	7	ND	4	317	1	2	2	97	10.68	.167	2	45	1.29	56	.03	4	1.17	.10	.22	3	116
STD C/AU-R	22	57	41	131	6.8	68	27	982	3.96	35	16	7	33	46	17	15	20	65	.48	.100	33	58	.88	175	.08	36	1.72	.09	.13	13	485

IMPERIAL METALS PROJECT - 4117 FILE # 86-2996

SAMPLE#	Hg 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
0573	15	482	12	46	.7	19	42	895	3.62	19	8	ND	1	173	1	2	5	73	3.42	.160	5	25	1.10	12	.12	4	1.21	.02	.06	1	38
0574	5	1360	32	81	1.1	20	29	1186	6.13	13	6	ND	2	205	1	2	3	147	3.16	.167	7	41	1.96	52	.11	3	1.71	.01	.13	1	260
0575	5	439	6	87	1.1	27	28	1368	5.45	13	5	ND	2	214	1	2	2	129	4.20	.118	7	185	2.02	130	.15	2	1.85	.03	1.21	1	360
0576	5	176	11	113	.2	30	19	1525	5.98	9	5	ND	1	2038	1	2	2	178	3.55	.155	7	50	2.69	246	.16	2	2.25	.02	.72	3	72
0577	4	1500	10	74	.6	21	14	1657	4.95	10	9	ND	3	243	1	2	4	116	7.31	.137	6	42	1.80	44	.11	2	1.57	.03	.19	1	44
0578	4	53	5	68	.2	13	10	1105	3.37	7	5	ND	1	196	1	2	2	84	3.58	.073	3	25	1.68	32	.08	2	1.50	.01	.05	1	2
0579	7	85	13	112	.3	24	16	2392	5.90	9	8	ND	3	300	1	3	4	135	7.74	.072	6	22	3.09	152	.11	2	2.75	.01	1.27	23	23

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.SM.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: CORE AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 2 1986 DATE REPORT MAILED: *Oct 6/86* ASSAYER: *D. Jeyaraj* DEAN TOYE. CERTIFIED B.C. ASSAYER.

IMPERIAL METALS PROJECT - 4117 FILE # 86-2999

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
0673	1	16	7	45	.2	7	4	590	1.04	4	5	ND	1	72	1	4	2	12	1.69	.065	6	9	.36	168	.01	4	.58	.07	.23	2	33
0674	1	9	6	41	.1	7	4	554	1.10	6	5	ND	1	72	1	4	2	7	1.81	.061	7	8	.32	249	.01	4	.36	.07	.19	2	11
0675	2	45	11	50	.2	7	3	565	1.01	4	5	ND	1	86	1	3	2	8	1.72	.065	7	4	.35	440	.01	4	.46	.07	.25	2	26
0676	2	84	9	35	.2	8	11	713	2.07	7	5	ND	1	88	1	2	2	9	2.36	.063	3	5	.47	84	.01	6	.45	.06	.28	2	23
0677	1	20	5	37	.1	5	3	602	1.16	6	5	ND	1	92	1	2	2	9	2.01	.064	5	4	.50	334	.01	4	.36	.08	.22	1	51
0678	2	60	6	38	.1	5	4	747	1.15	7	5	ND	1	188	1	2	2	4	2.69	.063	7	3	.64	440	.01	5	.34	.06	.20	1	111
0679	1	13	4	26	.1	5	6	581	1.19	3	5	ND	1	112	1	8	2	5	1.95	.067	4	5	.56	414	.01	4	.32	.07	.20	1	13
0680	4	5	2	33	.1	7	3	788	1.47	2	5	ND	1	170	1	3	2	10	2.86	.055	6	6	.52	411	.01	3	.34	.08	.17	1	12
0681	2	15	6	40	.2	7	3	627	1.56	2	5	ND	1	83	1	2	2	18	1.64	.063	5	10	.58	207	.01	4	.70	.08	.22	1	25
0682	1	28	3	78	.2	5	9	830	3.36	8	5	ND	2	53	1	2	2	69	1.64	.155	8	9	1.26	74	.03	7	1.19	.06	.27	1	51
0683	2	146	6	80	.3	5	12	825	3.97	8	5	ND	1	45	1	2	2	73	1.41	.150	2	7	1.28	53	.12	5	1.24	.07	.64	1	67
0684	3	179	7	70	.4	6	15	959	4.57	7	5	ND	1	49	1	7	2	67	1.69	.156	8	6	1.57	49	.05	8	1.38	.07	.53	1	104
0685	2	14	8	58	.2	6	7	810	3.59	6	5	ND	1	62	1	2	2	75	1.99	.161	5	8	1.36	61	.01	6	1.18	.07	.25	2	38
0686	2	14	10	47	.2	5	8	679	3.27	7	5	ND	1	167	1	2	2	59	1.82	.156	7	6	1.04	64	.01	7	.98	.06	.29	1	67
0687	1	75	3	56	.2	5	9	921	4.03	4	5	ND	2	258	1	2	2	81	2.67	.149	11	7	1.13	65	.03	8	.95	.07	.44	2	93
0688	1	45	6	39	.3	6	11	840	3.71	6	5	ND	1	96	1	2	2	46	3.21	.147	3	4	.36	41	.01	4	.46	.06	.21	1	82
0689	6	713	8	56	.9	11	27	1112	5.29	37	5	ND	1	79	1	22	2	34	4.08	.105	6	6	.83	26	.01	7	.39	.06	.23	1	177
0690	9	86	10	50	.4	14	26	1178	6.19	11	5	ND	1	55	1	2	2	30	2.74	.117	2	7	.90	25	.01	7	.44	.06	.23	2	94
0691	33	592	13	63	.8	15	20	1312	6.77	8	5	ND	2	62	1	2	3	50	2.77	.110	2	5	.73	19	.01	3	.37	.06	.17	1	190
0692	2	265	9	72	.5	18	17	1753	6.05	30	7	ND	2	103	1	2	2	52	5.63	.112	6	21	1.90	29	.01	8	.42	.08	.18	1	67
0693	2	291	11	55	.5	18	19	1342	5.49	18	5	ND	1	76	1	2	2	57	3.00	.136	4	29	1.05	31	.01	5	.49	.06	.20	1	114
0694	1	306	12	61	.5	15	18	1318	4.84	10	5	ND	2	77	1	2	2	55	3.05	.124	6	9	1.21	40	.01	6	.42	.07	.16	1	102
0695	1	300	8	64	.4	18	16	1287	5.20	11	5	ND	2	62	1	2	2	82	2.72	.140	7	21	.90	46	.01	5	.62	.07	.26	1	90
0696	1	140	3	56	.4	14	13	1293	4.89	5	5	ND	2	148	1	2	2	99	3.46	.130	10	22	1.35	48	.04	6	1.19	.07	.51	1	118
0697	1	194	6	57	.4	7	12	1294	4.39	5	5	ND	1	430	1	2	2	103	3.03	.160	5	11	1.62	67	.09	6	1.48	.07	.69	1	99
0698	1	136	4	53	.3	7	12	1139	4.78	5	5	ND	1	215	1	2	2	95	2.40	.169	5	6	1.49	47	.07	6	1.30	.07	.40	1	106
0699	2	189	5	62	.4	6	14	1098	5.45	6	5	ND	1	81	1	3	2	73	3.37	.164	4	4	1.55	31	.01	5	1.23	.07	.22	1	530
0700	3	3605	9	67	3.1	7	13	950	6.55	8	5	ND	2	182	1	2	2	94	2.06	.161	3	8	1.65	33	.03	2	1.35	.07	.36	1	750
0701	4	392	7	66	.8	19	24	1474	6.95	6	5	ND	2	83	1	2	2	113	4.26	.152	7	26	1.83	38	.07	2	1.54	.08	.70	1	147
0702	3	556	10	97	.8	41	36	2059	9.11	9	5	ND	2	69	1	2	2	147	3.51	.154	10	102	2.86	30	.08	3	2.07	.08	.50	1	143
0703	1	349	7	95	.7	39	18	2017	6.63	10	5	ND	2	379	1	2	2	116	3.51	.189	11	94	2.35	32	.08	4	1.55	.09	.16	1	215
0704	1	196	4	67	.5	37	17	1595	6.31	9	5	ND	1	851	1	2	2	126	3.90	.218	7	82	1.97	23	.11	4	1.45	.10	.09	2	205
0705	2	416	9	113	.7	48	18	2354	8.07	11	5	ND	2	293	1	2	2	177	3.79	.200	4	122	3.87	51	.11	2	2.79	.09	.58	1	168
0706	1	394	8	84	.6	36	19	2142	5.50	6	5	ND	1	216	1	2	2	122	4.00	.162	5	114	2.74	63	.10	4	2.05	.09	.51	1	190
0707	1	640	7	94	.7	40	15	2731	5.60	8	5	ND	1	174	1	2	2	127	4.94	.179	6	158	3.05	61	.10	5	2.27	.08	.56	1	163
0708	17	18	2	43	.2	11	12	1261	3.44	2	5	ND	2	85	1	5	2	62	3.52	.122	8	11	.62	81	.03	7	.60	.08	.34	2	80
STD C/AU-R	21	57	35	130	6.9	66	27	980	3.95	37	16	7	33	46	17	16	19	65	.48	.098	36	53	.88	174	.08	34	1.73	.08	.14	13	505

IMPERIAL METALS PROJECT - 4117 FILE # 86-2999

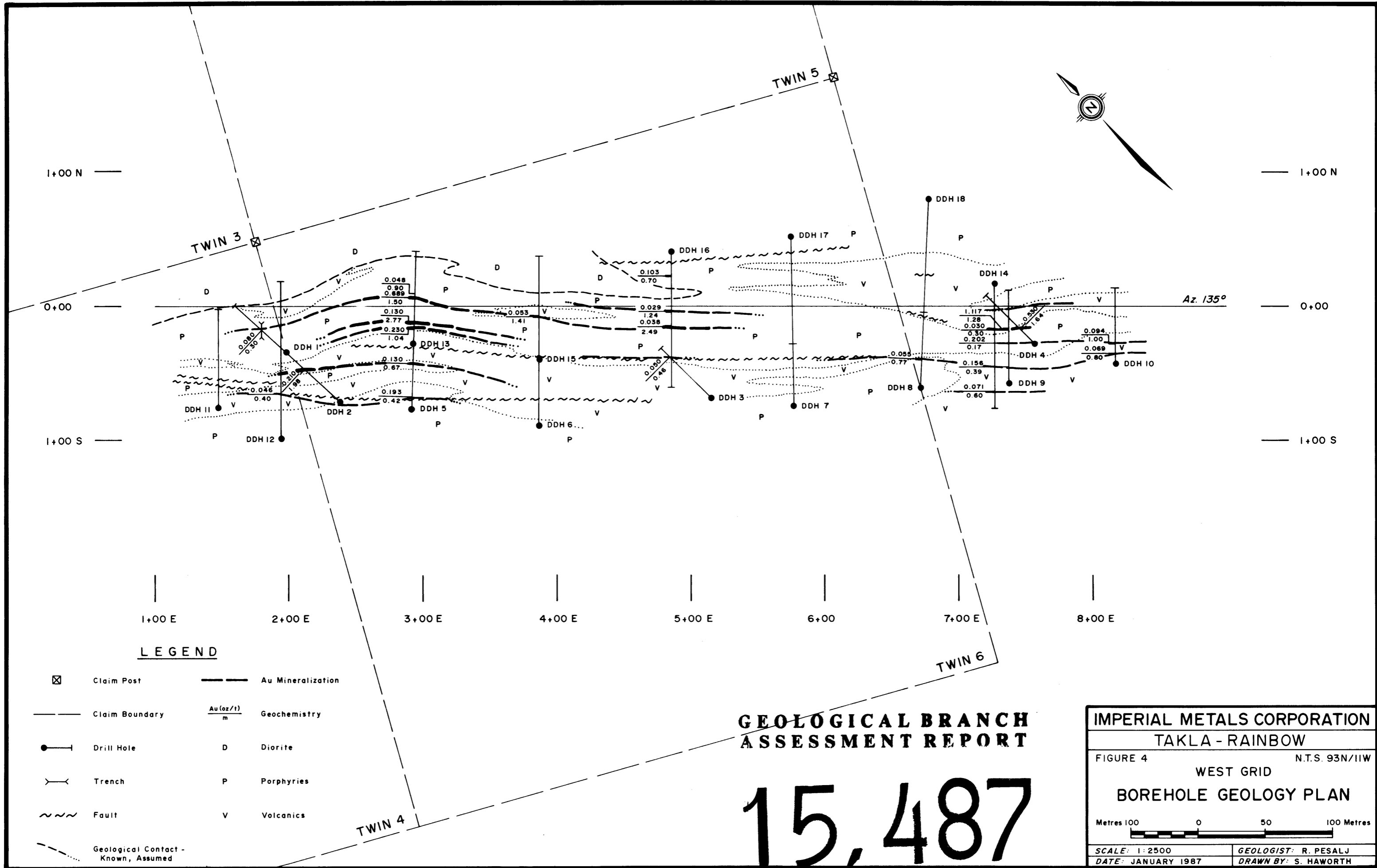
SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	P PPM	Al %	Na %	K %	M PPM	Au# PPB
0709	3	141	4	49	.4	5	10	1254	3.00	7	5	ND	4	113	1	2	2	69	3.84	.138	9	7	1.04	39	.01	4	.89	.08	.17	1	61
0710	2	139	9	68	.3	14	15	1348	4.56	4	5	ND	2	89	1	2	2	100	2.56	.130	7	22	1.79	45	.01	7	1.40	.07	.13	1	81
0711	2	153	10	102	.4	16	22	1704	5.84	11	5	ND	3	91	1	2	2	101	3.49	.138	5	27	2.30	46	.02	3	1.89	.08	.28	1	42
0712	2	209	6	140	.4	19	20	2117	5.80	9	5	ND	3	203	1	2	2	92	4.77	.132	2	20	2.83	52	.01	3	2.21	.08	.17	1	60
0713	2	137	7	119	.4	25	16	2209	5.34	11	5	ND	2	100	1	2	3	113	4.35	.157	4	65	3.18	18	.01	5	2.47	.09	.18	1	30
0714	2	111	10	119	.4	20	23	2087	5.98	9	5	ND	2	116	1	2	2	117	3.35	.129	2	21	2.96	32	.03	4	2.47	.09	.32	1	69
0715	1	434	10	72	1.0	18	38	1915	5.82	10	5	ND	2	129	1	2	2	77	5.02	.139	7	11	1.30	9	.01	3	1.19	.09	.10	1	187
0716	2	107	8	98	.5	16	19	1644	5.44	11	5	ND	1	277	1	6	2	120	2.69	.135	2	20	2.54	24	.11	6	2.15	.09	.15	1	42
0717	1	54	9	93	.2	17	17	1497	4.74	14	5	ND	2	161	1	4	2	122	2.72	.128	2	21	2.60	24	.15	5	2.15	.09	.16	1	51
0718	2	66	7	79	.1	14	15	1267	3.84	14	5	ND	1	190	1	2	2	95	2.11	.140	2	15	2.08	20	.18	7	1.87	.09	.06	1	78
0719	2	65	7	78	.4	15	23	1534	4.43	12	5	ND	2	157	1	2	2	117	3.68	.128	2	14	1.99	74	.09	5	1.77	.09	.11	1	115
0720	2	189	9	108	.5	19	24	2391	6.24	7	5	ND	2	270	1	2	2	117	5.75	.130	4	22	1.95	65	.01	3	1.14	.09	.18	1	350
0721	2	120	11	94	.4	16	21	2385	6.02	26	5	ND	3	124	1	2	2	69	7.32	.119	4	8	2.55	49	.01	7	.55	.09	.25	1	270
0722	3	200	12	92	.5	15	22	2262	5.92	32	5	ND	2	111	1	2	2	49	6.79	.104	3	6	2.60	36	.01	6	.48	.08	.29	1	143
0723	2	68	11	83	.4	20	15	2001	4.81	13	5	ND	5	219	1	2	3	45	7.26	.112	9	13	2.55	158	.01	7	.42	.08	.22	1	34
0724	2	71	10	115	.4	12	19	1635	5.01	8	5	ND	2	227	1	2	2	99	2.79	.167	2	15	1.86	74	.07	7	1.62	.08	.20	1	41
0725	3	325	15	167	.7	15	21	1962	5.90	19	5	ND	1	358	1	2	2	127	3.07	.160	2	20	2.35	107	.15	6	2.02	.09	.24	1	28
0726	2	377	12	138	.8	17	27	1688	5.19	16	5	ND	1	158	1	2	2	111	2.46	.164	2	17	1.94	50	.10	5	1.74	.07	.24	1	31
0727	1	191	9	129	.5	22	21	1546	4.94	17	5	ND	2	234	1	5	2	90	4.11	.155	7	29	2.15	57	.09	6	1.71	.08	.13	1	87
0728	3	204	13	137	.5	23	33	1690	5.84	22	5	ND	2	196	1	2	2	101	3.92	.146	2	17	2.38	27	.03	6	1.98	.07	.09	1	94
0729	2	117	8	93	.4	63	33	2138	6.44	14	5	ND	2	108	1	2	2	107	4.27	.150	5	17	1.21	32	.01	3	.96	.07	.23	1	45
0730	1	87	5	83	.3	23	20	1712	5.75	15	5	ND	2	112	1	2	2	129	4.38	.147	4	18	1.72	33	.02	3	1.29	.08	.24	1	47
0731	3	69	9	109	.5	17	17	1896	5.93	10	5	ND	2	597	1	2	2	150	3.76	.151	4	22	2.61	79	.10	4	2.32	.09	1.27	1	42
0732	1	211	9	96	.7	18	22	1896	6.93	13	5	ND	2	107	1	2	2	128	3.95	.151	5	16	1.93	59	.05	4	1.66	.08	.65	3	86
0733	2	370	8	89	.6	14	19	1761	5.14	13	5	ND	2	481	1	2	2	97	3.76	.160	2	17	1.98	73	.07	6	1.66	.08	.32	1	158
0734	1	399	9	100	.6	16	30	1622	6.38	27	5	ND	1	132	1	2	2	131	1.91	.149	3	20	2.25	56	.18	5	2.01	.07	.88	1	360
0735	2	288	8	151	.6	16	26	1849	6.40	16	5	ND	1	384	1	2	2	150	2.44	.150	6	20	2.79	54	.16	4	2.48	.08	1.10	1	121
0736	3	93	10	129	.5	11	20	1897	5.50	16	5	ND	2	147	1	2	2	154	4.36	.152	6	13	2.18	96	.10	6	2.08	.08	1.00	2	85
0737	2	67	8	97	.3	7	17	1227	3.83	16	5	ND	1	428	1	6	2	79	2.36	.170	3	9	1.54	86	.07	5	1.50	.07	.47	1	41
0738	1	44	3	98	.2	9	11	1233	3.24	13	5	ND	2	178	1	8	2	81	2.60	.170	2	4	1.45	37	.08	6	1.39	.07	.16	1	30
0739	2	28	9	104	.2	10	18	1218	4.82	32	5	ND	2	58	1	2	2	82	1.83	.189	10	3	1.04	68	.05	5	1.16	.06	.72	1	37
0740	163	187	27	184	.5	29	35	1673	7.50	146	5	ND	1	78	1	4	2	119	1.59	.168	8	13	1.00	45	.05	2	1.15	.06	.65	1	54
0741	30	29	12	134	.4	42	40	2137	8.67	36	5	ND	2	56	1	2	2	141	1.40	.154	7	14	1.30	30	.08	2	1.27	.06	.82	1	77
0742	921	124	57	906	.4	141	61	4277	11.55	919	6	ND	4	101	2	44	2	97	7.32	.098	7	6	2.62	29	.01	2	.37	.09	.14	1	26
0743	508	53	50	343	.5	70	34	5161	10.12	394	8	ND	4	173	1	20	3	78	11.42	.053	15	2	3.64	61	.01	2	.23	.11	.09	1	10
0744	13	85	17	153	.4	39	33	2294	7.39	27	5	ND	2	78	1	9	2	121	2.60	.166	7	14	.85	44	.01	3	.78	.06	.29	1	41
STD C/AU-R	21	59	38	138	7.2	70	29	1034	3.98	42	17	7	35	49	18	15	22	69	.48	.106	36	61	.88	183	.08	34	1.73	.09	.14	14	500

IMPERIAL METALS PROJECT - 4117 FILE # 86-2999

SAMPLE#	Mo PPH	Cu PPH	Pb PPH	Zn PPH	Ag PPH	Ni PPH	Co PPH	Mn PPH	Fe %	As PPH	U PPH	Au PPH	Th PPH	Sr PPH	Cd PPH	Sb PPH	Bi PPH	V PPH	Ca %	P %	La PPH	Cr PPH	Mg %	Ba PPH	Ti %	B PPH	Al %	Na %	K %	W PPH	Au4 PPB
0745	2	43	12	93	1.1	15	32	940	5.69	14	5	ND	1	96	1	2	3	120	2.64	.168	3	10	.83	49	.04	4	1.50	.06	.66	1	79
0746	3	14	13	93	.5	14	20	1143	6.17	15	6	ND	2	85	1	2	2	126	3.00	.148	11	11	.63	33	.02	3	1.16	.07	.39	1	68
0747	8	9	8	92	.4	12	14	1549	4.44	8	5	ND	2	696	1	2	2	104	4.34	.117	12	20	1.33	76	.05	8	1.51	.08	.61	1	30
0748	3	103	7	138	.5	23	17	1710	5.83	14	6	ND	1	167	1	2	2	141	2.76	.143	5	20	2.54	46	.12	4	2.18	.09	.71	3	105
0749	1	4	2	88	.1	16	7	1058	2.53	4	5	ND	1	76	1	2	2	45	1.71	.064	3	25	1.24	64	.02	3	1.20	.06	.24	1	14
0750	10	5	2	50	.1	18	5	590	1.55	21	5	ND	1	29	1	3	2	25	.86	.072	4	17	.36	93	.01	2	.56	.06	.26	1	15
0751	6	3	3	34	.1	23	6	442	1.44	36	5	ND	2	35	1	2	2	25	.77	.077	4	31	.39	153	.02	2	.66	.05	.29	1	10
0752	7	16	6	40	.1	18	7	596	1.47	7	5	ND	1	33	1	5	2	27	1.16	.076	4	18	.17	43	.01	2	.42	.06	.15	1	30
0753	16	6	4	54	.1	17	7	648	1.76	6	5	ND	1	28	1	2	2	29	.91	.075	5	22	.26	53	.01	2	.46	.06	.19	1	35
0754	20	11	12	39	.1	24	8	438	1.35	29	5	ND	2	28	1	2	2	24	.80	.078	3	24	.24	69	.01	2	.44	.06	.14	1	22
0755	32	19	13	86	.1	23	6	724	1.88	42	5	ND	2	42	1	2	2	32	1.25	.071	6	16	.42	127	.01	2	.59	.06	.23	1	29
0756	7	36	5	40	.2	12	8	610	1.65	6	5	ND	1	38	1	2	2	20	1.26	.070	5	8	.28	114	.01	2	.43	.06	.20	2	25
0757	5	5	5	49	.1	14	9	749	1.46	4	5	ND	1	74	1	5	2	20	2.09	.067	6	13	.28	197	.01	2	.45	.07	.21	1	6
0758	4	5	7	84	.2	15	9	829	2.05	8	5	ND	2	36	1	5	2	24	1.22	.073	7	12	.41	167	.01	2	.50	.06	.26	1	15
0759	3	69	5	110	.3	16	17	1095	3.07	7	5	ND	1	53	1	2	2	48	1.47	.081	3	25	1.48	47	.03	4	1.29	.07	.14	1	23
0760	3	163	16	213	1.1	20	53	1978	10.24	40	10	ND	1	40	1	2	2	129	1.57	.119	2	14	3.32	25	.10	2	2.53	.08	.20	1	115
0761	6	127	8	132	.7	29	24	1572	4.18	9	5	ND	1	55	1	2	2	64	2.35	.111	3	60	1.96	32	.04	5	1.74	.06	.22	1	43
0762	1	27	9	41	.1	5	6	518	1.82	6	5	ND	5	87	1	5	2	10	2.02	.057	12	4	.72	543	.01	6	.37	.06	.19	1	6
0763	1	9	9	44	.1	6	5	509	1.84	2	5	ND	5	87	1	2	2	14	2.35	.057	15	4	.72	272	.01	5	.39	.07	.18	1	2
0764	1	5	7	35	.1	4	5	487	1.77	2	5	ND	5	88	1	2	2	9	2.10	.055	12	4	.69	386	.01	8	.43	.05	.24	1	2
0765	1	6	8	37	.1	4	4	535	1.79	2	5	ND	5	108	1	6	2	11	2.49	.053	12	4	.79	494	.01	7	.48	.05	.24	1	3
0766	1	15	7	38	.1	4	4	442	1.68	3	5	ND	5	88	1	2	2	15	1.71	.059	14	7	.56	181	.01	5	.42	.06	.17	1	1
0767	3	30	6	40	.1	10	6	807	1.60	9	5	ND	2	88	1	2	2	11	2.68	.066	11	9	.92	220	.01	6	.60	.07	.31	1	11
0768	4	4	4	22	.1	7	6	703	1.47	6	5	ND	2	55	1	2	2	9	2.09	.068	6	5	.32	138	.01	2	.47	.05	.30	1	24
0769	1	4	4	36	.1	7	4	497	1.62	7	5	ND	1	48	1	2	2	12	1.19	.062	4	7	.20	119	.01	2	.49	.05	.30	1	68
0770	1	5	3	36	.1	8	8	635	1.70	6	5	ND	1	66	1	3	2	17	1.90	.061	5	9	.24	124	.01	2	.49	.06	.29	1	16
0771	5	11	11	103	.3	21	25	1435	6.09	17	5	ND	1	115	1	2	2	116	3.38	.115	10	33	2.22	47	.03	5	2.04	.08	.36	1	51
0772	1	7	7	34	.1	9	5	738	1.74	4	5	ND	1	65	1	2	2	18	2.73	.073	4	10	.54	165	.01	3	.55	.07	.30	1	12
0773	5	8	4	40	.1	9	12	828	1.90	8	5	ND	1	60	1	2	2	10	2.25	.064	6	5	.70	112	.01	4	.43	.06	.27	1	22
0774	3	821	6	121	1.1	15	17	1975	5.94	16	5	ND	1	77	1	2	2	134	2.60	.103	4	15	2.89	56	.14	4	2.41	.07	.17	1	360
0775	2	299	8	69	.5	16	26	1446	6.07	17	5	ND	1	104	1	2	2	158	2.78	.125	2	18	2.00	40	.24	5	1.85	.08	.06	1	54
0776	1	74	5	76	.3	24	19	1571	4.93	20	5	ND	1	93	1	2	2	107	4.82	.147	3	53	1.78	31	.12	6	1.70	.08	.25	1	39
0777	1	10	6	67	.3	16	15	1548	4.06	13	7	ND	1	117	1	2	2	98	5.08	.138	3	58	1.51	43	.08	4	1.79	.08	.19	1	21
0778	3	402	9	103	.6	16	19	1963	6.28	9	7	ND	1	83	1	2	2	117	4.86	.121	7	12	1.21	70	.01	4	1.17	.08	.14	1	53
0779	3	1903	4	68	2.1	10	19	1728	4.70	16	6	ND	1	163	1	2	2	89	6.57	.127	5	20	1.41	47	.04	5	1.78	.07	.20	1	221
0780	2	38	5	110	.2	14	20	1797	5.70	13	6	ND	1	130	1	2	2	125	4.37	.131	6	16	2.54	125	.11	8	2.90	.07	.68	1	32
STD C/AU-R	21	58	38	131	7.0	67	27	984	3.96	42	17	7	34	47	17	16	19	66	.48	.101	34	56	.88	178	.08	34	1.73	.09	.13	13	505

IMPERIAL METALS PROJECT - 4117 FILE # 86-2999

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
0781	2	119	11	84	.4	13	22	1705	5.64	23	7	ND	1	171	1	10	3	123	4.71	.157	8	15	1.65	68	.05	5	1.81	.08	.42	1	62
0782	1	182	8	110	.4	15	22	1818	6.53	21	5	ND	1	104	1	10	5	129	4.03	.152	8	15	2.45	93	.07	6	2.53	.08	.68	1	37
0783	27	31	22	73	.6	13	26	1992	5.93	16	10	ND	1	148	1	12	5	119	6.49	.148	12	13	1.40	80	.14	2	1.46	.09	1.00	1	195
0784	3	62	6	146	.5	21	45	2270	7.36	29	5	ND	1	88	1	5	4	140	5.22	.147	8	31	3.19	42	.06	2	2.81	.09	.23	1	45
0785	7	295	11	99	.4	24	33	2335	6.83	21	5	ND	1	79	1	8	3	99	3.52	.135	13	8	.94	47	.01	2	.84	.07	.34	1	47
0786	3	102	8	71	.3	15	24	1772	5.73	14	5	ND	1	121	1	6	2	143	4.06	.174	11	13	.58	42	.01	3	.89	.07	.14	1	7
0787	3	110	8	109	.2	17	22	1795	6.27	19	5	ND	1	105	1	2	3	159	3.24	.161	12	20	2.30	30	.02	5	2.17	.08	.17	1	14
0788	2	96	9	88	.4	16	37	1861	6.33	19	5	ND	1	107	1	5	2	128	4.56	.158	12	18	1.28	13	.01	2	1.43	.08	.13	1	25
0789	2	343	8	96	.6	14	24	3160	6.25	18	10	ND	1	161	1	4	2	113	9.70	.147	16	11	.64	7	.01	2	.68	.09	.14	1	17
0790	3	452	9	103	.8	20	37	2014	7.35	21	5	ND	1	103	1	2	3	148	3.84	.151	16	20	2.20	12	.01	2	2.06	.08	.07	1	55
0791	12	626	14	100	.9	19	29	2504	7.54	23	5	ND	1	98	1	2	3	147	4.61	.117	9	34	1.11	53	.04	2	1.24	.08	.46	1	84
0792	19	242	9	102	.5	23	31	1973	6.84	23	5	ND	1	65	1	2	2	105	1.20	.154	13	9	.52	41	.01	3	.71	.06	.16	1	39
0793	1	34	10	68	.2	19	20	1472	5.22	17	5	ND	1	89	1	5	3	111	2.67	.159	12	18	.46	53	.01	5	.92	.07	.26	1	16
0794	3	51	9	81	.4	13	27	2041	5.49	9	7	ND	1	121	1	2	5	101	4.96	.137	6	10	.90	53	.01	2	.86	.08	.17	1	24
0795	2	161	10	115	.4	22	20	2981	6.82	26	5	ND	1	81	1	5	3	91	3.33	.148	15	9	.84	67	.01	4	.64	.07	.22	1	20
0796	2	44	8	114	.1	15	13	1988	6.11	15	5	ND	1	146	1	6	2	132	3.68	.131	12	16	2.82	47	.01	2	2.45	.08	.16	1	10
0797	2	38	3	29	.1	8	8	1399	1.39	6	5	ND	1	57	1	2	2	8	2.42	.069	8	6	.42	277	.01	4	.45	.06	.30	1	18
0798	6	25	4	44	.2	11	13	1855	2.04	9	5	ND	1	70	1	2	2	15	3.04	.072	7	7	.77	129	.01	5	.60	.08	.35	2	225
0799	1	6	3	24	.1	8	9	1169	1.46	7	5	ND	1	60	1	2	2	8	2.23	.063	8	4	.34	159	.01	4	.43	.07	.28	1	20
0800	4	218	11	143	.6	72	63	1826	10.31	31	7	ND	1	84	1	2	2	172	4.62	.175	17	203	3.28	34	.08	2	1.49	.09	.99	1	260
0801	5	433	9	137	.6	43	43	1609	9.28	41	5	ND	1	73	1	2	2	138	3.22	.129	16	69	2.17	25	.04	2	1.07	.08	.58	1	190
0802	9	1060	12	136	1.2	24	54	1649	11.21	25	5	ND	1	47	1	2	2	167	2.01	.100	16	20	1.94	39	.07	2	1.14	.07	.69	1	450
0803	7	832	13	124	.8	22	33	1509	7.77	21	5	ND	1	57	1	2	2	143	3.46	.115	13	34	2.21	47	.05	4	.98	.07	.57	1	215
0804	2	38	8	151	.2	23	50	1582	7.08	15	6	ND	1	46	1	2	2	118	3.54	.116	10	21	2.02	31	.03	2	.85	.07	.42	1	128
0805	4	71	10	129	.3	25	44	1780	7.66	18	5	ND	1	52	1	2	2	147	4.59	.127	13	22	2.30	31	.02	2	.74	.08	.27	2	165
0806	4	43	5	152	.2	28	21	2060	8.59	18	5	ND	2	85	1	5	2	211	3.10	.180	12	40	1.89	629	.01	2	.81	.08	.15	6	21
0807	5	24	9	144	.3	21	42	1903	7.31	17	5	ND	1	47	1	2	2	133	3.35	.132	5	23	1.88	42	.01	2	.72	.08	.23	1	36
0808	4	181	8	71	.2	19	19	1166	5.48	8	5	ND	1	133	1	2	2	98	4.37	.122	10	18	1.68	39	.01	3	.64	.07	.18	1	280
0809	6	489	10	115	.6	32	21	1458	7.28	16	5	ND	2	105	1	2	2	200	4.09	.208	12	35	1.75	178	.01	2	.72	.07	.17	2	270
0810	3	323	10	81	.6	29	17	1255	6.23	12	7	ND	1	200	1	2	2	188	4.86	.210	13	36	1.89	67	.01	4	.81	.08	.18	1	250
0811	3	52	12	85	.3	34	18	1426	6.69	14	6	ND	2	244	1	2	2	208	5.76	.206	16	42	2.47	35	.01	2	.90	.09	.21	1	26
0812	5	173	6	81	.5	23	16	1387	5.63	9	9	ND	1	105	1	2	2	151	7.20	.146	10	20	3.18	345	.02	5	.71	.08	.28	3	37
0813	5	702	7	76	.6	32	23	1292	5.80	38	8	ND	2	106	1	2	2	157	7.28	.110	9	68	3.17	131	.01	2	.51	.08	.07	1	62
0814	3	239	6	89	.3	33	21	1239	6.55	15	5	ND	2	110	1	2	2	191	4.20	.175	15	38	2.17	606	.02	4	.79	.07	.25	2	18
STD C/AU-R	22	60	41	136	7.2	70	28	1021	3.98	42	17	7	35	49	18	15	22	68	.48	.104	39	58	.88	183	.08	36	1.73	.09	.13	13	495



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,487

LEGEND

- ☒ Claim Post
- Claim Boundary
- Drill Hole
- ⊃ Trench
- ~ Fault
- - - Geological Contact - Known, Assumed
- Au Mineralization
- $\frac{\text{Au (oz/t)}}{\text{m}}$ Geochemistry
- D Diorite
- P Porphyries
- V Volcanics

IMPERIAL METALS CORPORATION	
TAKLA - RAINBOW	
FIGURE 4	N.T.S. 93N/IIW
WEST GRID	
BOREHOLE GEOLOGY PLAN	
Metres 100 0 50 100 Metres	
SCALE: 1:2500	GEOLOGIST: R. PESALJ
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

ELEVATION
(Metres)

ELEVATION
(Metres)

1650

1650

1600

1600

1550

1550

1500

1500

1450

1450

1400

1400

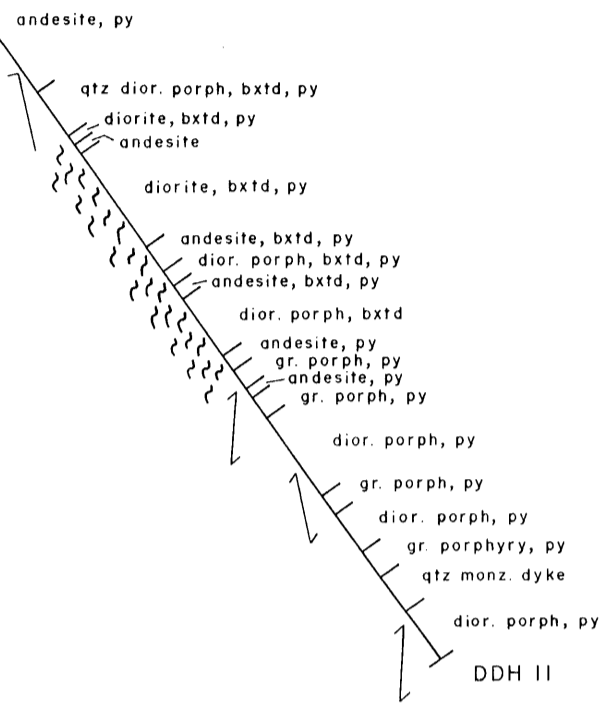
1350

1350

1+00 S

0+00

1+00 N



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,487

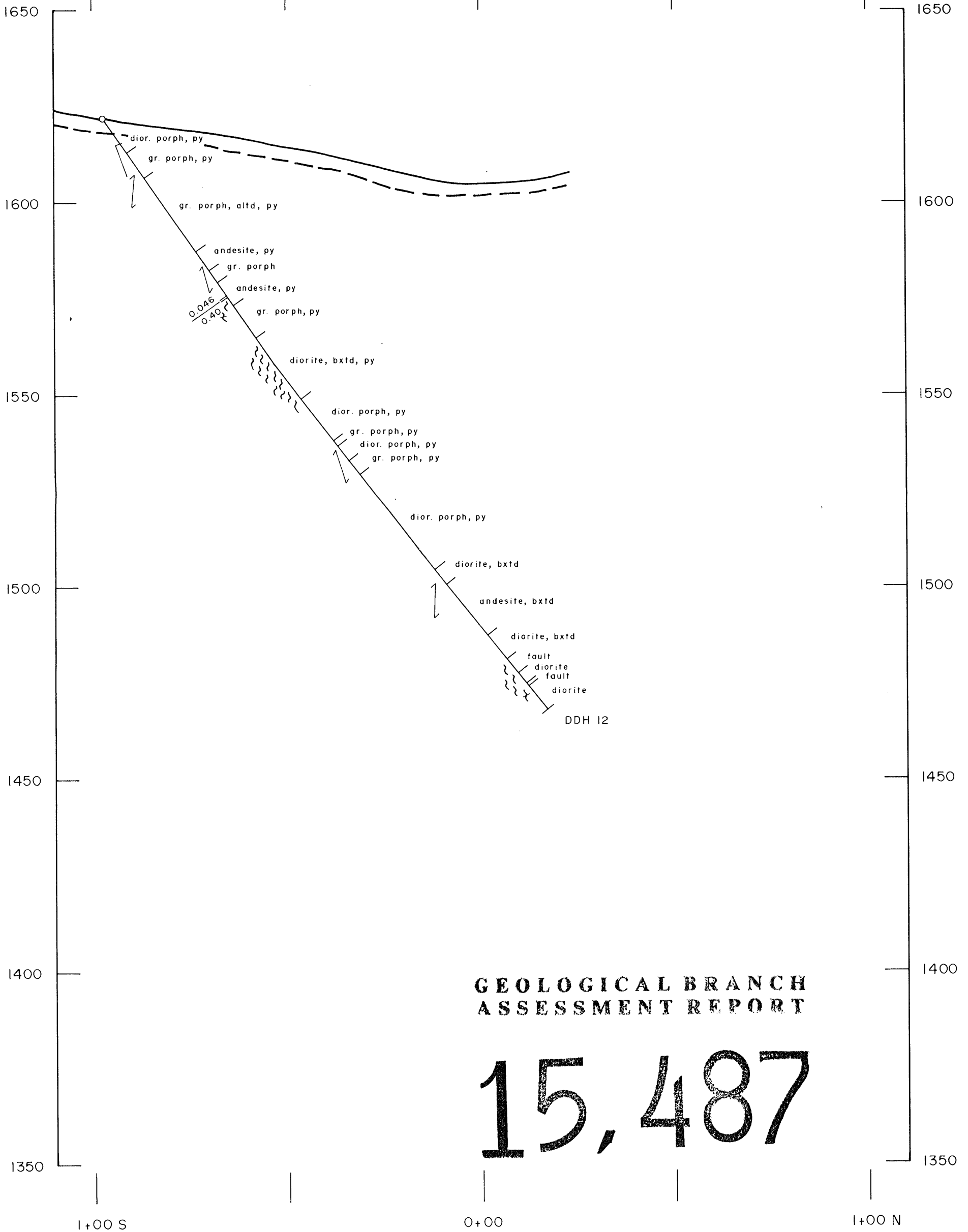
LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↗ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION	
TAKLA - RAINBOW	
FIGURE 5	N.T.S. 93N/11W
WEST DRILL GRID	
DDHII SECTION	
Metres 20 0 20 40 Metres	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

ELEVATION
(Metres)

ELEVATION
(Metres)



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,487

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↗ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION

TAKLA - RAINBOW

FIGURE 6

N.T.S. 93N/11W

WEST DRILL GRID

DDH12 SECTION



SCALE: 1:1000

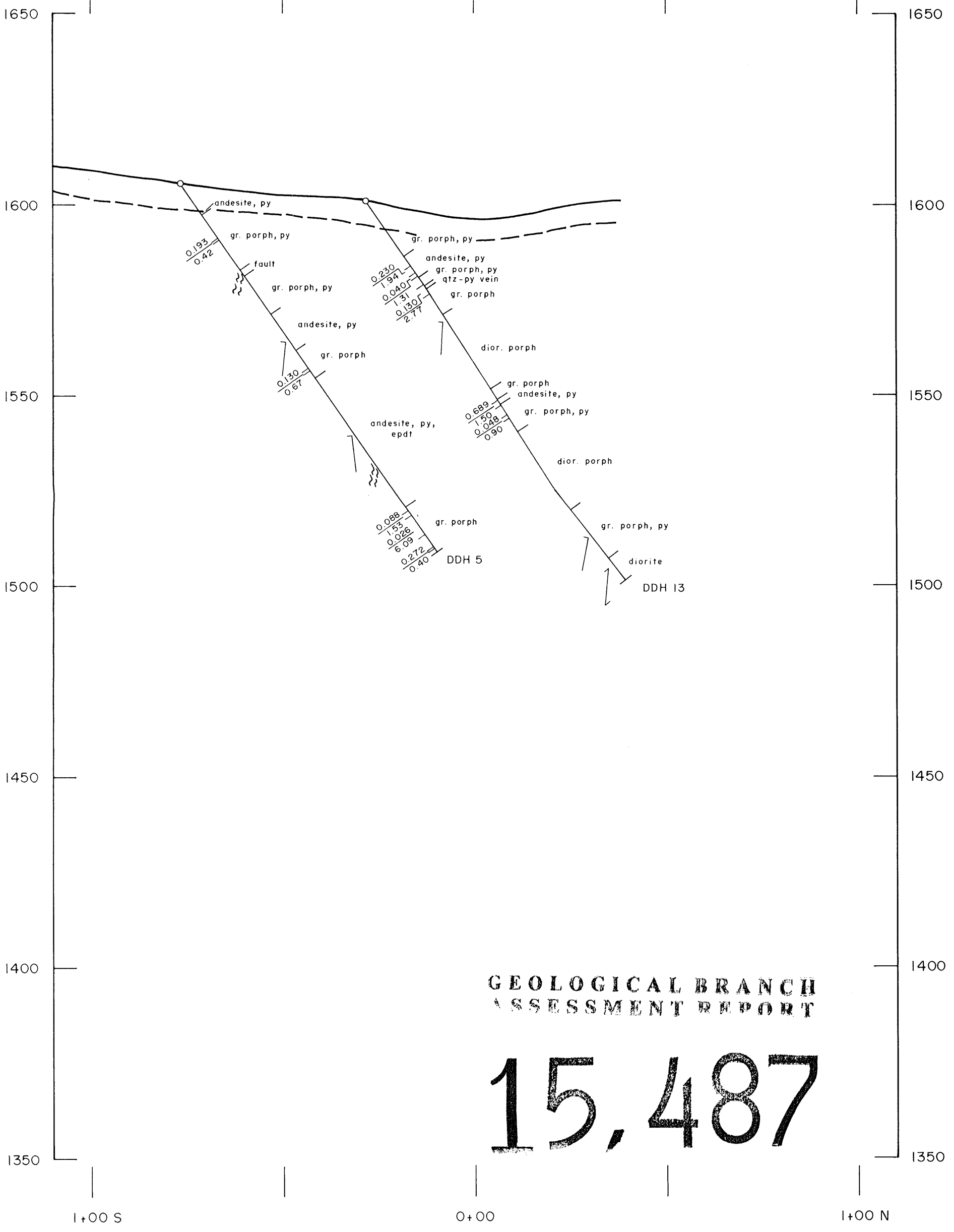
GEOLOGIST: D. GORC

DATE: JANUARY 1987

DRAWN BY: S. HAWORTH

ELEVATION
(Metres)

ELEVATION
(Metres)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,487

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↗ Vein
- Au (oz/ton)
Width (m) Assay

IMPERIAL METALS CORPORATION
TAKLA - RAINBOW

FIGURE 7 N.T.S. 93N/11W
WEST DRILL GRID

DDH5 - DDH13 SECTION



SCALE: 1:1000 GEOLOGIST: R. PESALJ
DATE: JANUARY 1987 DRAWN BY: S. HAWORTH

ELEVATION
(Metres)

ELEVATION
(Metres)

1650

1650

1600

1600

1550

1550

1500

1500

1450

1450

1400

1400

1350

1350

1+00 S

0+00

1+00 N

andesite, py

gr. porph, hem.

andesite, py

qtz vein, shrd

andesite, py

qtz vein, cp

fault
andesite
DDH 6

gr. porph, py

andesite

gr. porph

dior. porph, cp

gr. porph

dior. porph

gr. porph

0.053
1.41

andesite, py

gr. porph, py

dior. porph

gr. porph

diorite, shrd

diorite

qtz vein

diorite

qtz vein

diorite

qtz vein

diorite

DDH 15

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,487

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↙ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION

TAKLA - RAINBOW

FIGURE 8

N.T.S. 93N/11W

WEST DRILL GRID

DDH6 - DDH15 SECTION

Metres 20 0 20 40 Metres

SCALE: 1:1000

GEOLOGIST: R. PESALJ

DATE: JANUARY 1987

DRAWN BY: S. HAWORTH

ELEVATION
(Metres)

ELEVATION
(Metres)

1650

1650

1600

1600

1550

1550

1500

1500

1450

1450

1400

1400

1350

1350

1+00 S

0+00

1+00 N

DDH 16

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,487

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↙ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION

TAKLA - RAINBOW

FIGURE 9

N.T.S. 93N/11W

WEST DRILL GRID

DDH16 SECTION

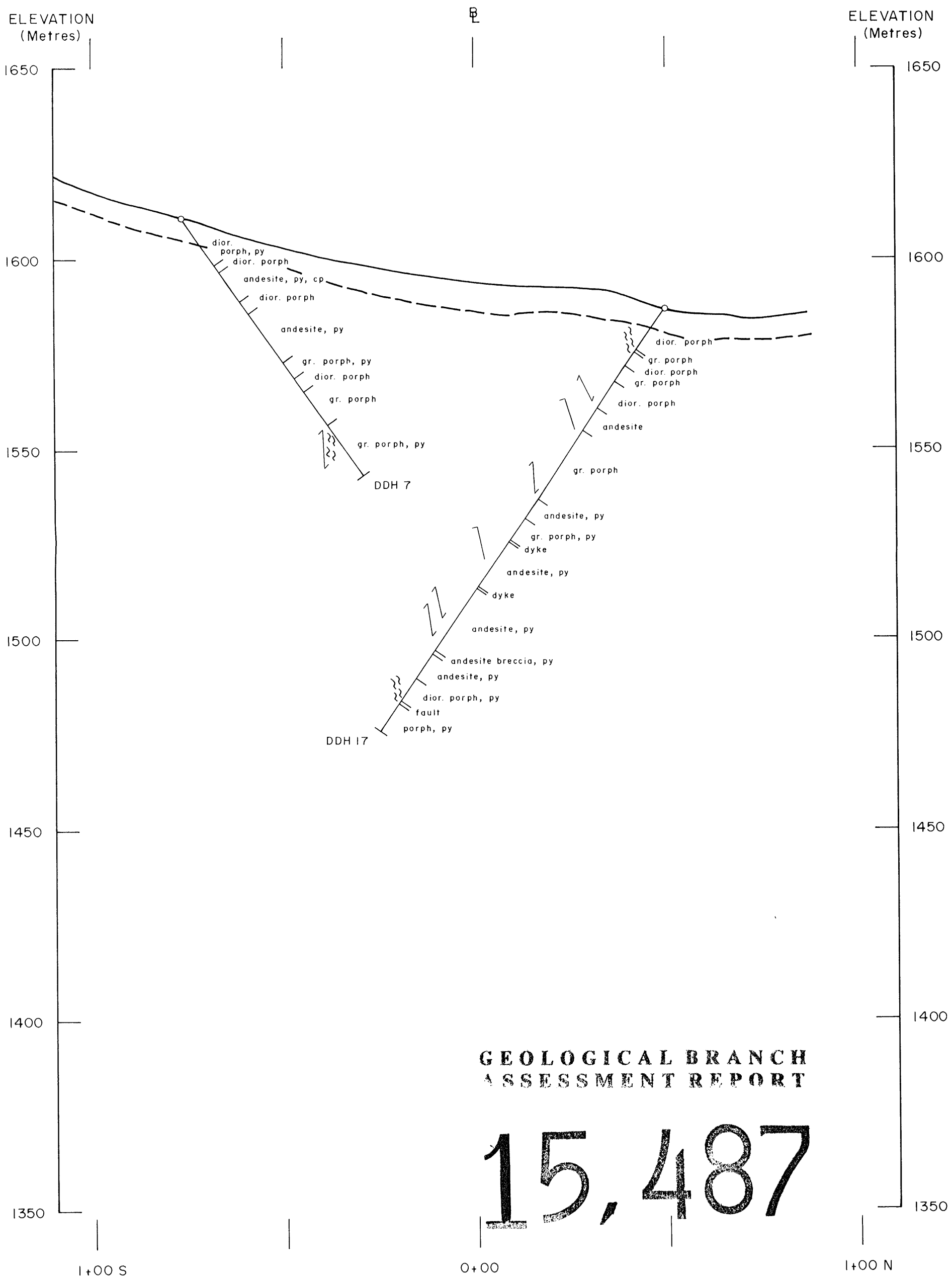
Metres 20 0 20 40 Metres

SCALE: 1:1000

GEOLOGIST: R. PESALJ

DATE: JANUARY 1987

DRAWN BY: S. HAWORTH



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,487

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↗ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION	
TAKLA - RAINBOW	
FIGURE 10	N.T.S. 93N/11W
WEST DRILL GRID	
DDH7 - DDH17 SECTION	
Metres 20 0 20 40 Metres	
SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

ELEVATION (Metres)

B

ELEVATION (Metres)

1650

1650

1600

1600

1550

1550

1500

1500

1450

1450

1400

1400

1350

1350

1+00 S

0+00

1+00 N

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↙ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,487

IMPERIAL METALS CORPORATION
TAKLA - RAINBOW

FIGURE II N.T.S. 93N/11W
WEST DRILL GRID

DDH8 - DDH18 SECTION



SCALE: 1:1000	GEOLOGIST: R. PESALJ
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

dior. porph
gr. porph
dior. porph, py

dior. porph, py

0.055
0.77
andesite, py
dior. porph, py

dior. porph
andesite, py

dior. porph

gr. porph
dior. porph

gr. porph
andesite, py

dior. porph, py
andesite

gr. porph

DDH 8

DDH 18

fault

andesite, py

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

dior. porph

andesite, qtz vein

dior. porph

andesite, py

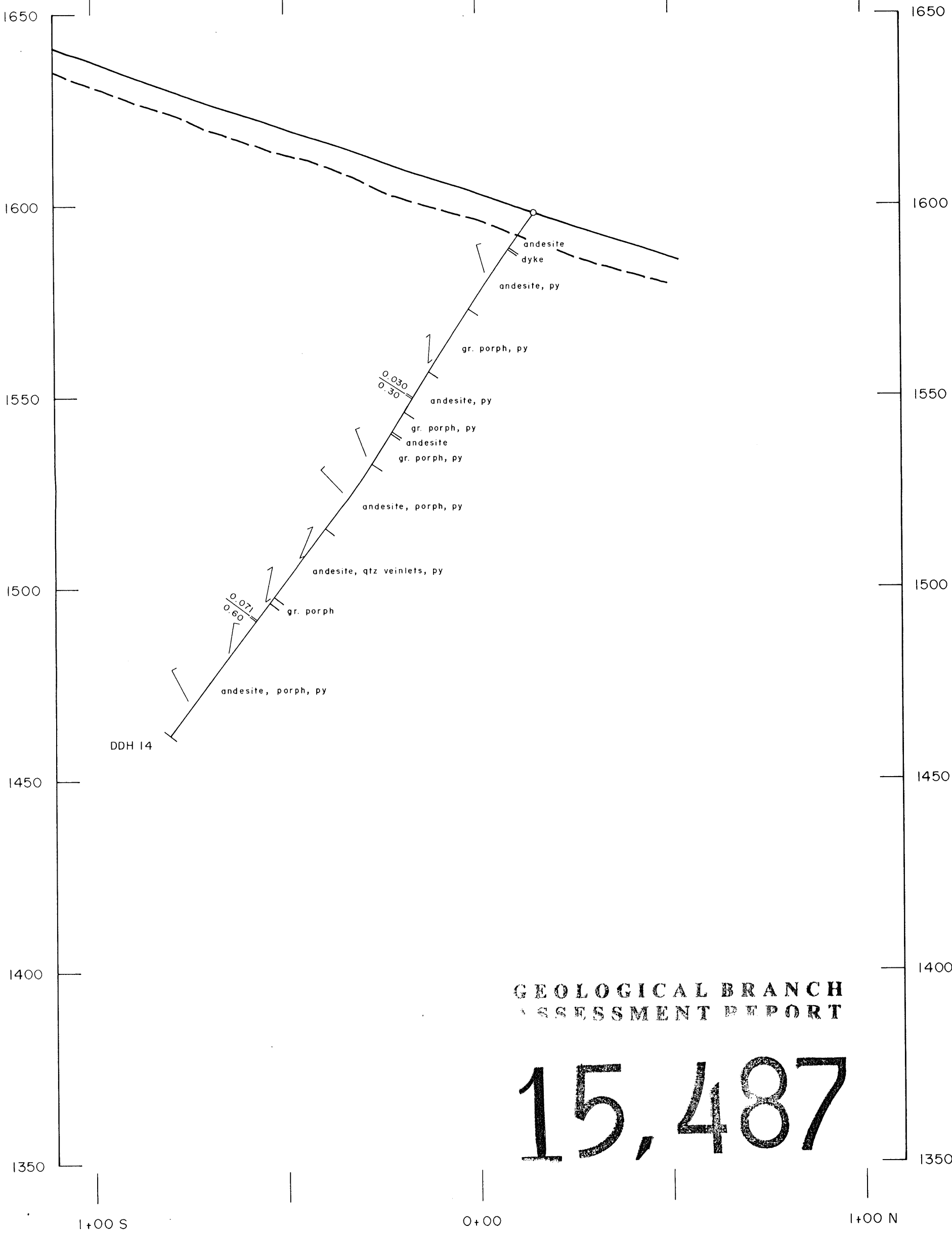
dior. porph

andesite, qtz vein

dior. porph

ELEVATION (Metres)

ELEVATION (Metres)



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,487

LEGEND

- ~~~~~ Fault
- ↘ Foliation
- ↗ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION	
TAKLA - RAINBOW	
FIGURE 12	N.T.S. 93N/11W
WEST DRILL GRID	
DDH14 SECTION	
Metres 20 0 20 40 Metres	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH

ELEVATION
(Metres)

⊕

ELEVATION
(Metres)

1650

1650

1600

1600

1550

1550

1500

1500

1450

1450

1400

1400

1350

1350

1+00 S

0+00

1+00 N

LEGEND

- ~~~~ Fault
- ↘ Foliation
- ↙ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,487

IMPERIAL METALS CORPORATION

TAKLA - RAINBOW

FIGURE 13

N.T.S. 93N/11W

WEST DRILL GRID

DDH9 SECTION

Metres 20 0 20 40 Metres

SCALE: 1:1000

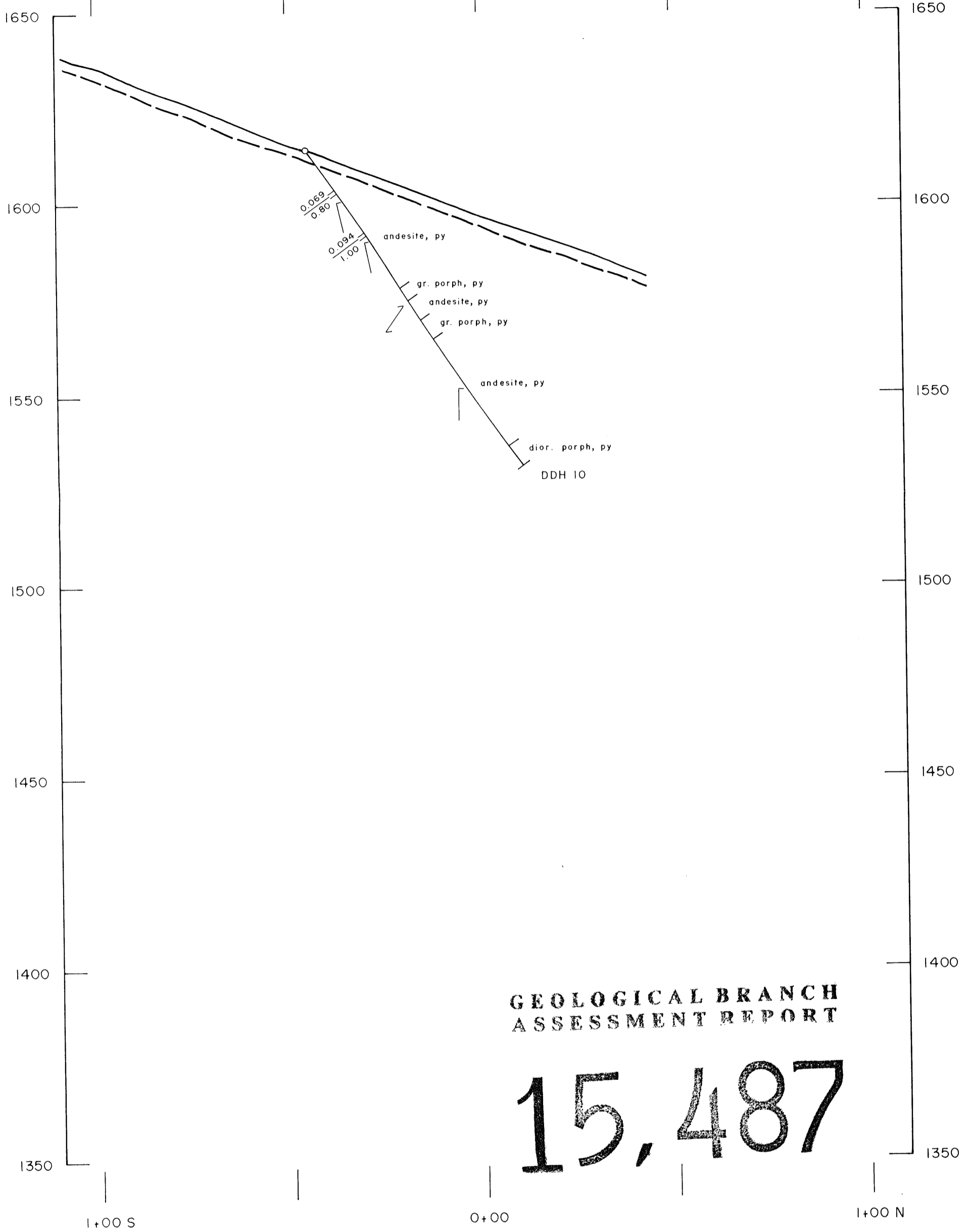
GEOLOGIST: R. PESALJ

DATE: JANUARY 1987

DRAWN BY: S. HAWORTH

ELEVATION (Metres)

ELEVATION (Metres)



**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,487

LEGEND

- ~~~~ Fault
- ↘ Foliation
- ↙ Vein
- $\frac{\text{Au (oz/ton)}}{\text{Width (m)}}$ Assay

IMPERIAL METALS CORPORATION	
TAKLA - RAINBOW	
FIGURE 14	N.T.S. 93N/11W
WEST DRILL GRID	
DDH10 SECTION	
Metres 20 0 20 40 Metres	
SCALE: 1:1000	GEOLOGIST: D. GORC
DATE: JANUARY 1987	DRAWN BY: S. HAWORTH