LOG NO: 16-01 RD.
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GEOLOGICAL AND GEOCHEMICAL REPORT

JAMBOREE 15 MINERAL CLAIM

SUB-RECORDER
RECEIVED
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M.R. # ..... $.....
VANCOUVER, B.C.

JAMBOREE PROPERTY

CARIBOO MINING DIVISION

NTS 93A/7W

LATITUDE 52 15' W
LONGITUDE 122 50' W

20,805
GEOLOGICAL BRANCH
ASSESSMENT REPORT

for

IMPERIAL METALS CORPORATION

DENNIS GORC
OCTOBER, 1990
VANCOUVER, B.C.

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1.0 INTRODUCTION

In June of 1990 a geological and soil geochemical program was completed on the Jamboree 15 mineral claim. The aim of the program was to examine the geological units traversing this portion of the property as well as investigate an airborne magnetic and VIF electromagnetic anomaly outlined in 1983. Soil samples were also taken in areas in which only sparse sampling had previously been completed.

2.0 CLAIM DATA

The Jamboree claim block consists of 5 modified grid claims totalling 265 units. These claims are listed as owned by Imperial Metals Corporation, but are subject to an agreement including E & B Exploration Inc., Geomex Development Inc., Ruanco Enterprises Ltd., and International Display Corporation. E & B Exploration Inc. is managed by Corona Corporation.

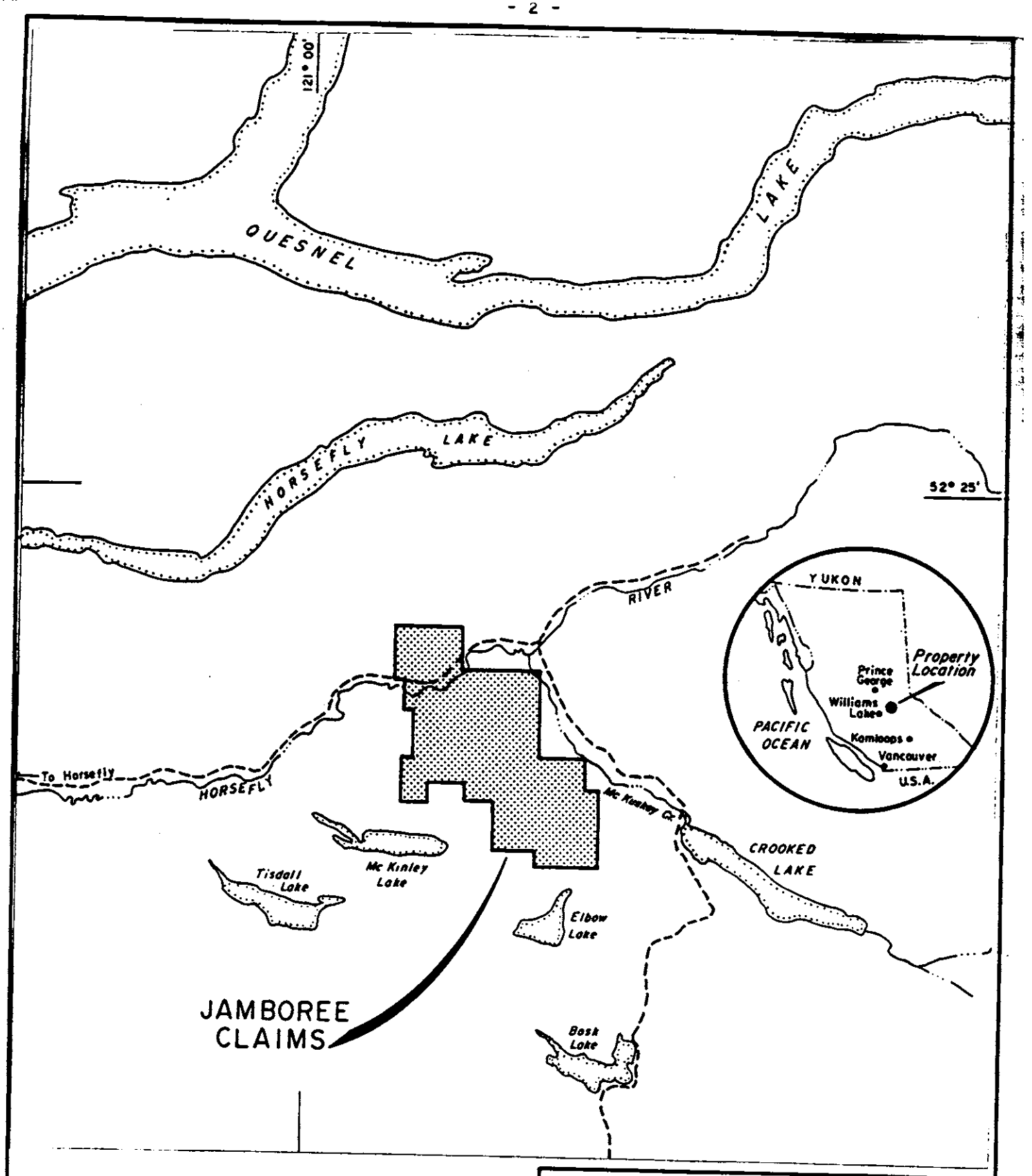
As of June 24, 1988 the Jamboree property has been divided into the following groups for assessment purposes:

Group 1	Claim Name	# of Units
	Jamboree 1	20
	Jamboree 2	20
	Jamboree 3	20
	Jamboree 4	20
	Jamboree 18	20
		100 units

Group 2	Claim Name	# of Units
	Jamboree 5	20
	Jamboree 6	8
	Jamboree 15	20
	Jamboree 16	9
	Jamboree 17	8
		65 units

Group 3	Claim Name	# of Units
	Jamboree 7	20
	Jamboree 8	20
	Jamboree 9	20
	Jamboree 10	20
	Jamboree 11	20
		100 units

Claims Jamboree 12, 13 and 14 (Record Numbers 4180, 4181, 4186) were allowed to lapse November 26, 1990.



IMPERIAL METALS CORPORATION

JAMBOREE

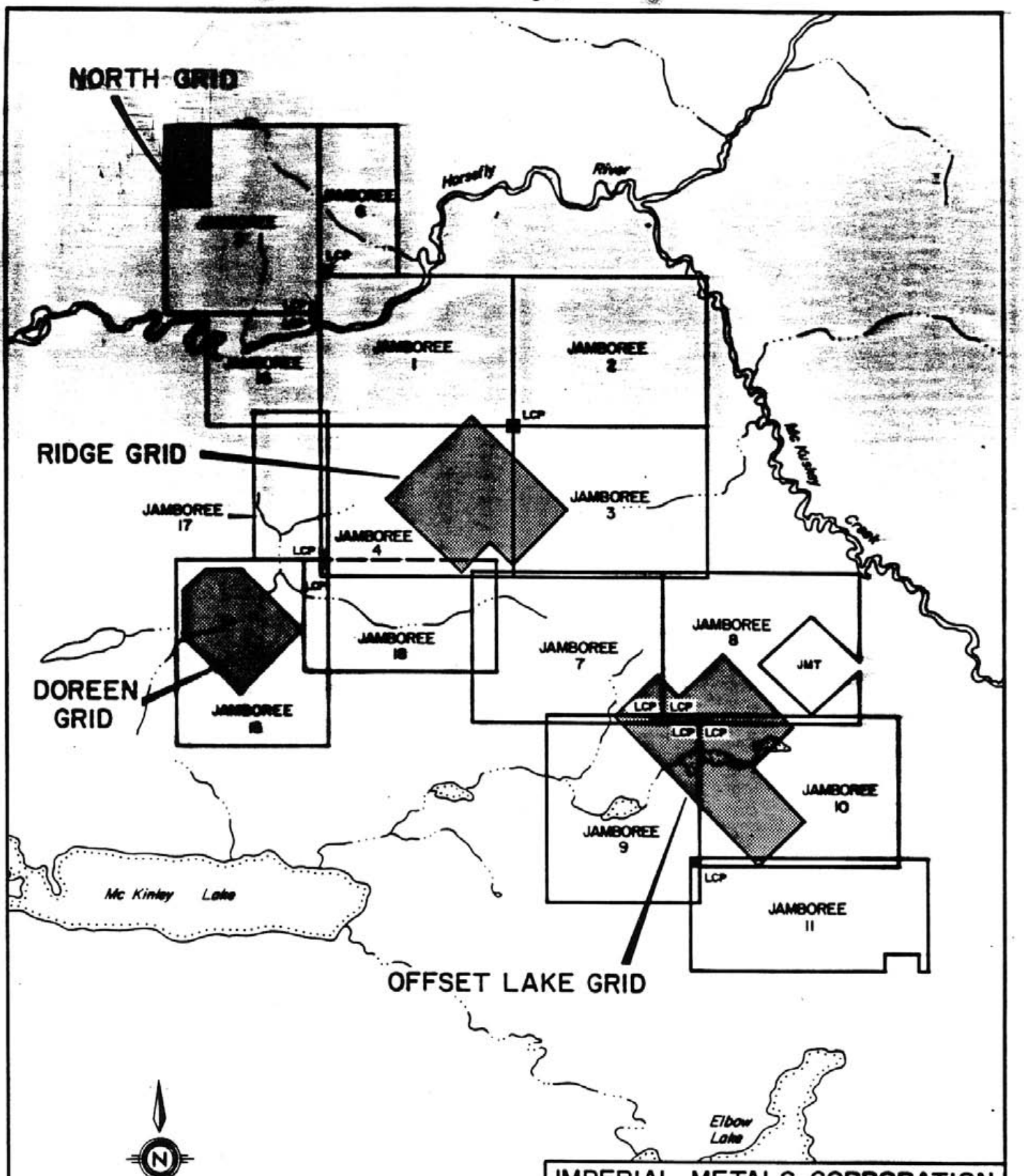
FIGURE 1

N.T.S. 93A 7W

LOCATION MAP

km 0 5 10 15 km

SCALE: 1:250,000	GEOLOGIST: D. GORC
DATE: JANUARY 1981	DRAWN BY: JC/SEH



IMPERIAL METALS CORPORATION

JAMBOREE

FIGURE 2 N.T.S. 93A 7W

CLAIM MAP

km 0 1 2 3 4 km

SCALE: AS SHOWN	GEOLOGIST: D. GORC
DATE: JANUARY 1991	DRAWN BY: JC/SEH

TABLE 1 - CLAIM DATA

NAME	UNITS	RECORD NO.	RECORD DATE
Jamboree 1	20	3783 (6)	24/06/81
Jamboree 2	20	3784 (6)	24/06/81
Jamboree 3	20	3785 (6)	24/06/81
Jamboree 4	20	3786 (6)	24/06/81
Jamboree 5	20	3787 (6)	24/06/81
Jamboree 6	8	3788 (6)	24/06/81
Jamboree 7	20	4176 (11)	26/11/81
Jamboree 8	20	4177 (11)	26/11/81
Jamboree 9	20	4178 (11)	26/11/81
Jamboree 10	20	4185 (11)	26/11/81
Jamboree 11	18	4179 (11)	26/11/81
Jamboree 15	20	4182 (11)	26/11/81
Jamboree 16	9	4183 (11)	26/11/81
Jamboree 17	8	4184 (11)	26/11/81
Jamboree 18	20	4353 (7)	12/07/82

3.0 LOCATION, ACCESS AND TOPOGRAPHY

The Jamboree property is situated approximately 85 km east of Williams Lake, B.C. in the Cariboo Mining Division. The claims straddle the Horsefly River near its junction with McKusky Creek. The latitude is 52°15'N and longitude is 120°50'W on NTS map sheet 93A/7W.

Access is by an all-weather logging road from the town of Horsefly, 20 km to the west. Secondary logging roads provide good access to peripheral areas of the claims, including the North Grid and Offset Grid areas. In 1989 and 1990 new logging roads have been cleared on the Jamboree 1-4, 18 claim area. A road extends into the Ridge area although the road was not passable in 1990. During this program the area was affected by flooding which closed roads and necessitated use of a helicopter during the first part of the program.

The Jamboree claims are located in the western foothills of the Cariboo Mountains. Elevations range between 900 meters on the Horsefly River to 1700 meters on the Ridge area in the central portion of the claim group. Much of the lower areas have been logged providing good exposure while the mature forests on the upper mountain slopes allow good walking. The central Ridge Area is relatively flat with several marshes and swamps among large stands of evergreen.

4.0 EXPLORATION HISTORY

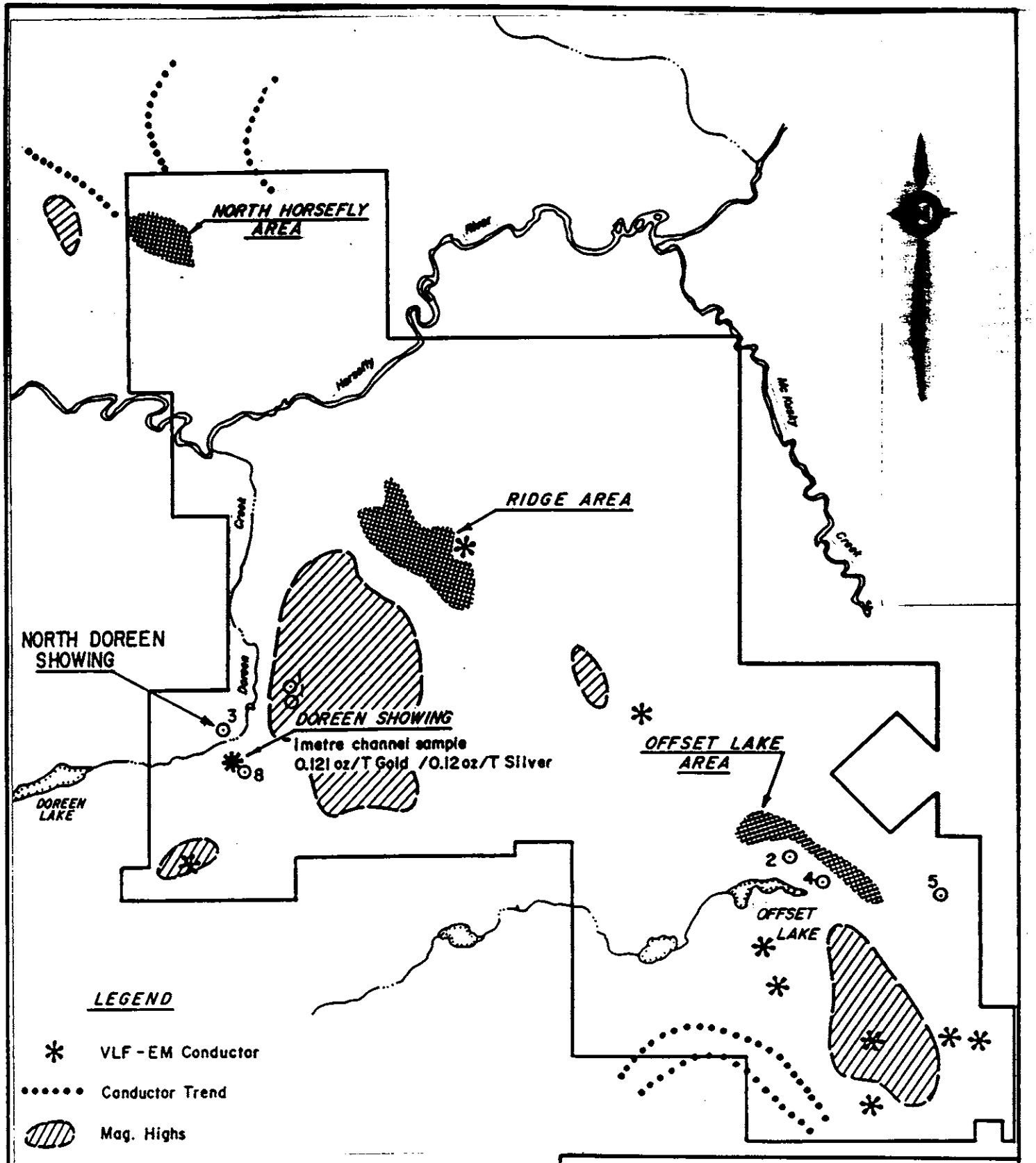
The Jamboree claims 1-6 were staked in June, 1981 in response to the release of geochemical data by the British Columbia Government indicating the area was anomalous in arsenic. The Jamboree 7-17 claims were staked in October, 1981 after traditional soil and silt sampling was carried out in the region. The Jamboree 18 claim was staked in July, 1982 to fill in open ground between Jamboree 7 and 15.

The 1982 exploration program began with the establishment of a geochemical sampling grid on the central area of the claim block. Reconnaissance lines were run elsewhere. Results were encouraging with several gold-arsenic anomalies outlined. One rock sample from outcrop in the Doreen Lake area assayed 0.121 oz/ton Au over 1 meter.

In 1983 the geochemical grid was expanded to cover a much larger portion of the claim group. The original grid's baseline was extended to the Horsefly River in the northwest and to the Jamboree 11 claim in the southeast corner of the claim block.

A program of soil and rock geochemical sampling and geological mapping was carried out. A total of 1760 soil samples were taken of which 103 returned gold values of greater than 25 ppb. The maximum value obtained was 5250 ppb Au. Over the course of geological mapping 230 rock chip samples were taken and geochemically analyzed.

During July, 1983 an airborne magnetometer and EM survey was completed. Results of this initial phase of exploration outlined three major target areas warranting further exploration. A trenching



IMPERIAL METALS CORPORATION

JAMBOREE

FIGURE 3 N.T.S. 93A/7W

EXPLORATION HISTORY COMPILATION

km 0 1 2 3 km

SCALE: 1:60 000	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM

and subsequent rotary/percussion drilling program was carried out on the Doreen Creek area (Jamboree 15 claim block) and the Offset Lake area (Jamboree 8 and 10). This phase of exploration yielded encouraging results including two trench samples at Doreen Lake which ran 0.145 and 0.118 oz/t Au over 2 meters. The third exploration target outlined was the Ridge area which includes most of Jamboree 1, 3, 4 and 7 claims. In the Ridge area geochemical soil sampling outlined several areas of anomalous gold and arsenic. A large soil anomaly along a creek on the north-central area of Jamboree 4 also yielded high Au values from outcrop exposed along the canyon walls.

In June 1987, a VLF electromagnetic and magnetometer survey was completed along 17 kilometers of new grid on the above Ridge area. In addition, 639 soil samples and 31 rock samples were collected.

In October 1987, grids were completed in the Offset Lake and North Horsefly areas. A total of 385 soil samples were taken on the North Grid and outlined several weak gold anomalies.

A total of 562 soil samples were taken on the Offset Grid. Results from the soil sampling defined soil anomalies for gold, copper, arsenic, nickel and chromium.

In 1988, induced polarization surveys were completed over the Ridge, Doreen and Offset target areas. Several anomalous zones were outlined. In addition, four diamond drill holes (417.5 m) tested geophysical/geochemical targets on the Doreen and Offset target areas. Two drill holes (320 m) in the Offset target area returned a high of 880 ppb Au over 2.1 m from a chloritized fault zone.

Two diamond drill holes (194.1 m) completed on the Doreen grid returned a high of 610 ppb Au over 1.4 m.

In 1989, a VLF electromagnetic and magnetometer survey was completed on the Doreen Creek area.

In 1990, a geological and geochemical survey was completed on the Ridge Area.

5.0 REGIONAL GEOLOGY

The Jamboree property lies near the boundary between the Intermontane and Omineca Belts within the Quesnel Terrane of the Intermontane Belt. The Quesnel Terrane is comprised of a Mesozoic island arc assemblage of volcanic and sedimentary rocks which form a narrow NW-SE belt extending nearly the length of the province.

In the vicinity of the Jamboree property the rocks of the Quesnel Terrane have been labelled the Quesnel River Group and consisted on a basal black argillite phyllite unit overlain by interbedded volcaniclastics, argillites and augite porphyry flows and breccias. These rocks are bounded to the east by the Eureka thrust which marks the boundary with the Barkerville Terrane of the Omineca Belt. The Quesnel Terrane is bounded to the east by the Pinchi Fault and the Cache Creek Group.

The Quesnel Terrane is characterized by mid Jurassic alkalic intrusives which range from syenogabbro to alkalic syenite in composition. In the vicinity of the Jamboree property these intrusive are 175-201 Ma in age and form small plugs and stocks up to a few kilometres in diameter. The intrusives are believed to be cogenetic with the volcanics. Copper-gold and gold-copper mineralization, including the Mount Polley and QR deposits, are believed to be associated with these intrusives.

This portion of the Quesnel Terrane has been folded into a broad northwest trending syndine which has been extensively block faulted. Three sets of faults have been determined including northwest, northeast and north-south with the northwest set as oldest and north-south set as youngest.

6.0 ECONOMIC GEOLOGY

Several significant deposits have been discovered within the Quesnel Terrane in the vicinity of the Jamboree property, including the Mount Polley, QR and Frasergold deposits. These deposits can be divided into three deposit types:

(a) Alkalic Porphyry Copper-Gold (Mount Polley)

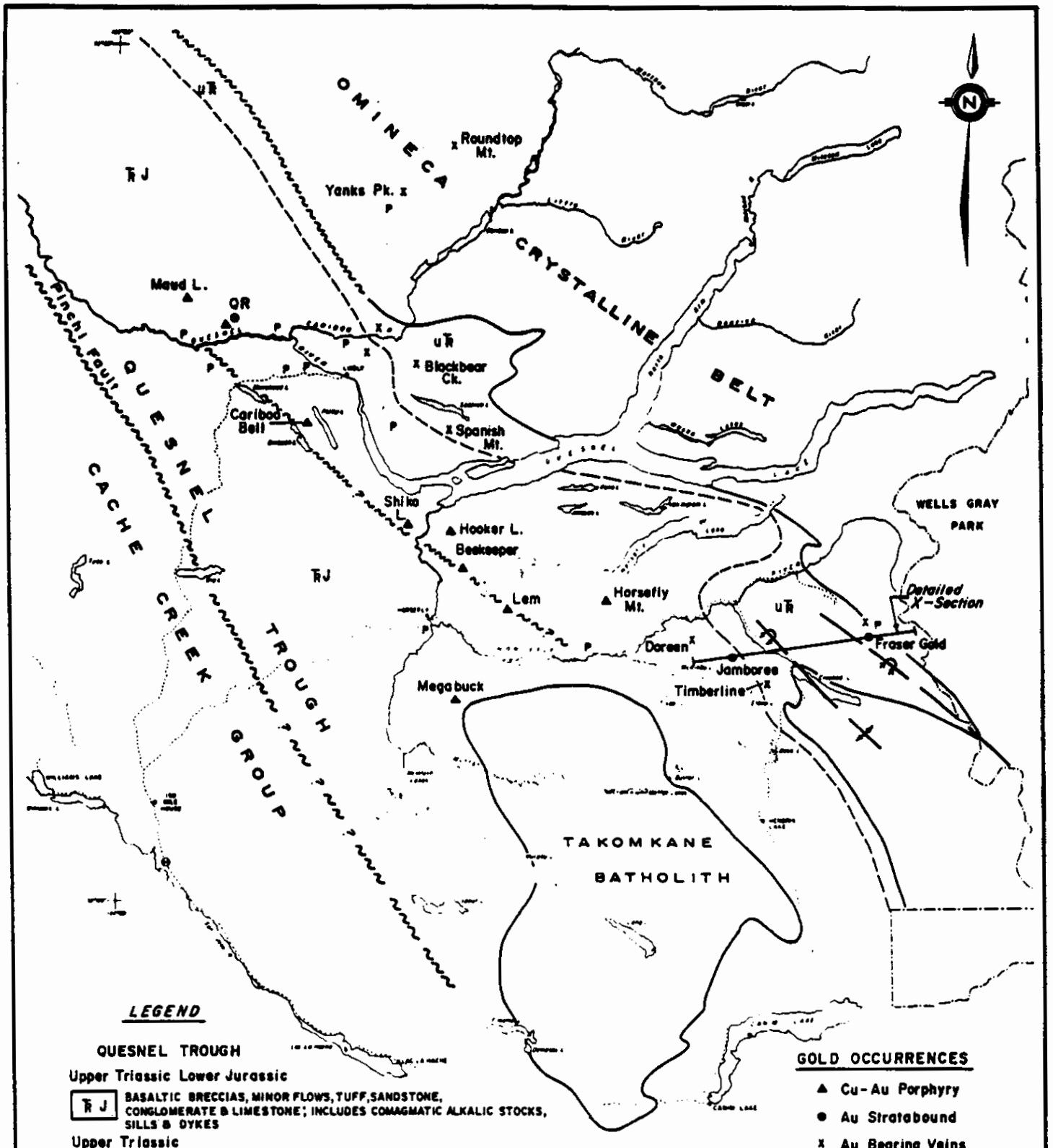
A series of Jurassic magnetite-rich intrusive stocks ranging in composition from syenogabbro to syenite in composition intrude the Quesnel Terrane in this region. Copper-gold mineralization has been discovered associated with these intrusives. The most important discovery of this type has been the Mount Polley deposit (53,760,000 tons of 0.38% Cu, 0.016 oz/ton Au). Similar mineralization have been found near the Lemon Lake, Kuwun Lake and Shiko Lake stocks.

(b) Gold Deposits Associated with Pyritic-Propylitic Alteration Zones (QR Deposit)

Gold mineralization associated with pyritic propylitic alteration zones adjacent to a Jurassic stock have been outlined on the QR property (1.5 million tonnes 5.09 gr/tonne).

The deposit is semi-conformable and is partially controlled by a siltstone-basalt contact. The rocks hosting the mineralization are propylitzed containing variable pyrite and chlorite. The most favourable horizons also appear to be carbonate-rich. It is unclear if there is much carbonate alteration associated with the main mineralizing event. The gold occurs along pyrite, chalcopyrite grain boundaries. Pyrite is the most common sulphide with lesser pyrrhotite, chalcopyrite, arsenopyrite and galena.

Soil sampling over the deposit has indicated anomalous Au, As, Cu, Fe, Co, Sb, Zn, V, Mo values associated with the mineralization although glaciation has often displaced the anomalies.



LEGEND

QUESNEL TROUGH

Upper Triassic Lower Jurassic

TRJ — BASALTIC BRECCIAS, MINOR FLOWS, TUFF, SANDSTONE, CONGLOMERATE & LIMESTONE; INCLUDES COMAGMATIC ALKALIC STOCKS, SILLS & DYKES

Upper Triassic

uTR — ARGILLITE, AUGITE-PORPHYRY BRECCIA, BASALTIC TO ANDESITIC TUFF POSSIBLE DYKES & SILLS

GOLD OCCURRENCES

- ▲ Cu-Au Porphyry
- ● Au Stratabound
- x Au Bearing Veins
- P Placer Au (major occurrence)

AFTER WESTERN MINER, APRIL 1984

IMPERIAL METALS CORPORATION

JAMBOREE

FIGURE 4 N.T.S. 93A/7W

REGIONAL GEOLOGY

km 0 10 20 30 40 km

SCALE: AS SHOWN	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM

Au - 20-300 ppb -- peak 300 ppb
As - 50-300 ppm -- some values greater than 300 ppm
Mo 6 ppm
Fe 4.5%
Co 25
Sb 6 ppm
Zn 150 ppm
Mg 0.9%
V 135 ppm

(c) Gold-Quartz Veins in Black Argillite-Phyllite (Frasergold)

Upper Triassic black argillites and phyllites near the eastern boundary of the Quesnel terrane host gold-quartz veins. The most significant occurrence of this type is the Frasergold deposit near the McKay River (11 million tons 0.04-0.5 oz/ton Au). At Frasergold semi-conformable gold mineralization was discovered along a porphyroblastic phyllitic unit. Thin discontinuous quart veins and disseminated pyrite, pyrrhotite and chalcopyrite are both associated with the gold mineralization. The mineralization is interpreted as syngenitic later remobilized by regional metamorphism.

7.0 PROPERTY GEOLOGY

The Jamboree Property is underlain by sediments, tuffs and volcanic breccias of the Upper Triassic-Lower Jurrassic Quesnel River Group. These rocks strike northwesterly and have an apparent moderate dip to the north east. The current structural interpretation of the area is that this volcaniclastic sequence is the overturned western limb of a northwest trending antiform with strata that are progressively younger towards the west.

7.1 Unit 1 - Argillite-Phyllite

The eastern portion of the property is underlain by a sequence of black argillite and phyllite with minor phyllitic tuff. The Quesnel-Barkerville Terrane boundary is marked by increased metamorphism which has converted the argillite and tuffs of much of the lowermost member of the Quesnel Terrane to phyllite. This metamorphism does not appear to extend more than 10 km from the boundary and its effects are felt on just the easternmost portion of the Jamboree property.

7.2 Unit 2 - Andesite Breccia

An andesite breccia unit overlies Unit 1 and forms a resistive ridge through much of the property. The unit is characterized by angular clasts up to 40 cm across. These clasts consist largely of porphyritic andesite characterized by hornblende phyocrysts and diorite. Gabbro and hornblendite clasts were also noted in the southern portion of the property near Offset Lake. There appears to be a reverse grading within the sequence with the size of clasts increasing from the base of the unit. Also near Offset Lake, massive andesite units with no apparent breccia texture were noted. Some members within this unit were found to contain considerable carbonate.

7.3 Unit 3 - Interbedded Tuff-Argillite

Thinly bedded, laminated argillites and tuffs underlie much of the western portion of property. This proportion of tuff to argillite varies considerably but tuffacious rocks were more commonly noted towards the andesite breccia unit. This volcaniclastic sandstone and limestone were other rocks types noted within these sequence although they are minor constituents.

7.4 Diorite

Several diorite plugs occur within the Doreen Creek valley. The diorite is fine to medium grained, pale green to grey. Hornblende phenocrysts to 3 mm are not uncommon. Occasional phenocrysts are altered to epidote. Micro diorite dykes are also common within the Doreen Creek valley and may be related to the diorite stocks.

7.5 Field Observations - Geology (1990)

In the southwestern portion of Jamboree 15, at approximately 4200 feet in elevation, diorite float was located (Sample 92003). It was medium grained, unaltered, with approximately 1% pyrite. The tuffs in this area were usually limonite stained, slightly silicified and contained approximately 1-2% pyrite (Samples 92101, 92102, 92103, 92109 and 92110). The argillites were similarly altered with approximately 1% pyrite (Samples 92001, 92002 and 92104). One specimen of augite andisite porphyry float was collected here. It was not altered (Sample 92005).

Near the crest of the ridge, on the southern claim boundary of Jamboree 15, diorite was not observed. Tuffs and argillites in this area were not altered significantly although they still contained minor pyrite and limonite staining (Sample 92004). Northeast of this ridge the cover is thicker, consequently little rock was observed here. One sample of argillite was collected (Sample 92006).

Doreen Creek was traversed but only one outcrop of unaltered tuff was observed (Sample 92115). One strike east and west of the Doreen Showing was traversed but, due to the boggy nature of this terrain, no outcrop or float was observed.

The North Doreen showing was examined and three samples were collected here (Sample 92007, 92009 and 92112). A gossan was observed directly west of this showing on some old logging road cuts. These rocks were limonite stained argillites with approximately 2% pyrite but little alteration (Samples 92008, 92113 and 92114). No extensive areas of intrusive rock was observed on this portion of the property but a large diorite plug was previously mapped further to the northeast.

Two samples of quartz float were collected on the southern portion of the claim (Sample 92105 and 92108). These were both considered not local but possibly originating from the ridge above.

8.0 ALTERATION

Ankerite is the most widespread alteration mineral on the property. It is very commonly found alongside even the smallest fracture. Even small fractures will have 5-10 cm alteration envelopes of ironstained carbonate alongside. Larger, more extensive structures such as in the Ridge or Offset Lake have much more extensive and intensive patches of ankerite alteration. Mariposite has been noted associated with such alteration although not abundant. Mariposite was commonly noted in the Offset Lake area.

The widespread nature of the ankerite alteration suggests that there may be much more carbonate within the Jamboree volcaniclastic sequence than previously thought. This may be especially true of the Unit 3 tuff-argillite sequence. Although outcrop of this unit is relatively sparse, mapping to date has revealed a significant number of limestone exposures. Drilling in 1988 in the Offset Lake area also indicated significant carbonate.

Hornfels have been noted adjacent to the diorite intrusive near Doreen Creek.

Chlorite alteration has been noted in some fault zones. Such alteration was noted in drill logs of past drilling. Alteration was not noted in the 1990 mapping.

Epidote alteration was noted in the andesite breccia unit near Offset Lake.

9.0 MINERALIZATION

9.1 Doreen Showing

Gold-bearing limionitic, silicified zones up to 4 m wide are associated with a zone of E-W shearing in the Doreen Creek Valley. The showing is exposed alongside a switchback on the main logging road. Trenching by E & B Explorations Inc. in 1983 further exposed the showing. Original sampling of the showing returned up to 0.12 oz/ton Au over 1 m. Sampling from the 1983 trenching program returned 2 m grading 0.145 oz/ton, 2 m samples on either side returned, 0.010 and 0.011 oz/ton respectively. True width of the zone exposed in the trench is about 4 m. An additional silicified zone returned an assay of 0.012 oz/t Au over 1 m.

Exposures in the area are very limited, even the heavy equipment used in the 1983 trenching program had difficulty in reaching outcrop. However, the exposures observed in the vicinity indicate a monotonous sequence of interbedded, dark grey tuff and argillite. These rocks are fine grained, thinly bedded and generally contain 1-2% disseminated pyrite. The gold-bearing zones are gossanous and are silicified with several percent disseminated pyrite. Thin hornblende porphyry dykes also occur in the area.

In 1983, eight percussion drill holes (684.6 m) tested an approximate 100 m strike length of the Doreen Zone. The holes intersected interbedded tuffs and argillites cut by hornblende andesite-microdiorite dykes. Six of the holes intersected a gold bearing zone 1 m to 16 m in width, striking east-west and dipping 60°S. The best zone averaged 560 ppb Au over 2 m. The gold-bearing zones were not altered or otherwise distinguishable from the surrounding unmineralized rock.

9.2 North Doreen Showing

A soil sample in 1983 returned 4100 ppb Au. Subsequent prospecting located a massive pyrrhotite vein to 20 cm thick in an area of black argillite and andesite dykes. These veins trend roughly east-west. Subsequently, three percussion drill holes (JD-03-9, 10, 22) (175.9 m) tested the Showing although drilling was compromised by topography and could not completely test the target. The drilling intersected black argillite with minor andesite dykes. Thin pyrite-pyrrhotite seams were observed along fractures. The best intersection was 6 m, averaging 226 ppb Au.

Sampling in 1990 returned up to 3490 ppb Au.

Sample No.	Au (ppb)	Cu (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)
92007	82	148	37	0.4	15
92009	3490	5105	1081	10.3	15
92112	930	105	43	0.7	5

Iron stained argillites containing 1-3% disseminated pyrite (Samples 92008, 92113 and 92114) located east of the North Doreen Showing returned up to 250ppb Au.

9.3 DOR Claims - Eureka Resources

On the neighbouring DOR claims to the east, Eureka Resources Inc. has outlined broad gold-in-soil anomalies, horizontal-loop E.M. anomalies and massive sulphide pods within shear zones, all of which trend roughly east-west. The massive pyrrhotite-pyrite mineralization appears to be restricted to small pods although the extensive HLEM anomaly would suggest that there may be some more extensive bodies not exposed. Rock chip sampling of surface showings has indicated very sporadic gold values with some samples returning up to 68,000 ppb Au and others returning background values.

A second type of mineralization characterized by silification returned assays of up to 0.186 oz/ton Au.

In 1984, two drill holes tested the HLEM anomaly and returned a high of 0.026 oz/ton Au over 2.1 m.

10.0 GEOCHEMISTRY

A total of 105 samples were taken in 1990 and submitted to Acme Laboratories in Vancouver for gold analysis by atomic absorption and 30 element I.C.P. analysis. Of these were 24 rock samples, 9 silt samples and 72 soil samples. Soil samples were taken of "B" horizon at a depth of 25 cm. Samples were approximately 300 grams each. Soils were, for the most part, well developed and well drained though some deep organic material was encountered along U5. Results are given in Appendix 1.

10.1 Soil Geochemistry

A line of soil samples was taken along the 4250 foot contour in the southwestern portion of the Jamboree 15 claim. This line of samples is likely underlain by a thin layer of overburden and was taken to investigate an airborne magnetic and VIF electromagnetic anomaly outlined in 1983. A total of 47 soil samples and a silt sample (JA-3-10) were taken. Of these, 13 samples returned greater than 20 ppb Au including a high of 126 ppb Au; 17 samples returned greater than 100 ppm Cu including a high of 308 ppm Cu; and 6 samples returned greater than 100 ppm As including a high of 240 ppm As.

A portion of the 1983 grid was established near L15E, 49N and 24 soil samples taken at 25 m intervals along the flagged grid lines. This portion of the grid was re-established to further investigate. A gold value of 135 ppb Au returned from a 1983 soil sample. Although three samples returned greater than 20 ppb Au including a high of 93 ppb Au, the sampling failed to establish a gold anomaly of any extent.

10.2 Stream Silt Geochemistry

Silt sampling (JA-3-1 to 10) returned gold values greater than 20 ppb Au (JA-3-1, 5). One should note that JA-3-1 also returned 123 ppm Cu.

10.3 Rock Geochemistry

Rock chip sampling (24 samples) returned a high of 3490 ppb Au from a sample of iron-stained argillite containing 5% disseminated pyrite. This sample was taken at the North Doreen Showing. One should note that this sample also returned 5105 ppm Cu, 1001 ppm Zn, and 10.3 ppm Ag. Descriptions of rock samples are given in Appendix II. Results from the sampling are given on the following page. One should note that 16 samples returned more than 100 ppm Cu.

TABLE 2 - ROCK GEOCHEMISTRY

Sample No.	Cu (ppm)	Zn (ppm)	Ag (ppm)	As (ppm)	Au (ppb)
A92001	1197	276	8.3	158	60
A92002	90	55	0.1	19	3
A92003	156	59	0.2	18	148
A92004	67	107	0.1	16	2
A92005	273	31	0.2	11	4
A92006	88	104	0.1	15	2
A92007	148	37	0.4	15	82
A92008	81	55	0.2	8	10
A92009	5105	1081	10.3	15	3490
A92101	589	30	0.2	11	97
A92102	103	43	0.1	9	47
A92103	66	79	0.1	18	4
A92104	68	41	0.2	16	1
A92105	6	1	0.1	2	2
A92106	115	28	0.1	3	2
A92107	138	38	0.1	8	33
A92108	7	8	0.1	3	1
A92109	656	20	0.3	5	37
A92110	573	51	0.2	4	5
A92111	233	70	0.1	6	7
A92112	105	43	0.7	5	930
A92113	258	27	0.4	29	250
A92114	163	39	0.1	6	5
A92115	105	62	0.1	10	1

11.0 CONCLUSIONS

Several diorite plugs and associated andesite-microdiorite dykes occur within the Doreen Creek Valley. Gold mineralization associated with east-west shearing has also been discovered within the valley. This mineralization occurs as massive pyrite-pyrrhotite pods and within silicified zones. The mineralization discovered to date has been discontinuous, erractic and generally low grade, however, the scarcity of outcrop slows exploration and more work must be done to evaluate the area.

12.0 STATEMENT OF QUALIFICATIONS

I, DENNIS M. GORC, residing at #103, 2083 Coquitlam Avenue in Port Coquitlam, British Columbia, V3B 1J4, state that:

1. I graduated from Queen's University, Kingston, Ontario with a B.Sc. (Eng.) degree in mineral exploration in May, 1976;

2. Since 1976, I have supervised mineral exploration programs in British Columbia, North West Territories, Manitoba and Ontario;

3. I am presently employed as a geologist with Imperial Metals Corporation, Suite 800, 601 West Hastings Street in Vancouver, British Columbia;

4. I supervised the work on the Jamboree property.

DATED THIS 9 DAY OF January, 1990.

Dennis M. Gorc
Imperial Metals Corporation
Vancouver, British Columbia

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APPENDIX I

GEOCHEMICAL ANALYSES

E A TIC LAB ORI TD. 8! . H NGS . V2 UVE C. 1R E E(6[ ]53-[ ]) F[ ]04)[ ]-17:[ ]

GEOCHEMICAL ANALYSIS CERTIFICATE

Imperial Metals Corporation PROJECT 6307 File # 90-1800 Page 1

800 - 601 W. Hastings St., Vancouver BC V6B 5A6 Submitted by: D. JOHANNESEN

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
JA-1-1	3	202	14	207	.3	38	20	439	6.75	57	5	ND	2	28	.5	2	3	123	.36	.097	6	47	.84	144	.11	2	3.58	.01	.07	2	1
JA-1-2	1	49	9	114	.3	11	9	483	4.28	36	5	ND	1	25	.4	2	2	118	.29	.068	5	18	.50	69	.09	3	2.25	.01	.06	1	2
JA-1-3	3	218	9	158	.1	30	13	307	6.39	240	5	ND	1	24	.2	2	3	122	.29	.089	5	35	.61	104	.07	3	3.26	.01	.06	1	39
JA-1-4	2	119	29	157	.5	13	18	565	6.79	224	5	ND	2	68	.5	2	5	115	.60	.130	5	22	.47	106	.14	4	2.18	.01	.07	1	64
JA-1-5	2	134	11	124	.4	39	17	1060	4.00	44	5	ND	1	78	.4	2	2	75	.77	.039	9	42	.77	85	.10	9	2.25	.01	.07	1	13
JA-1-6	1	127	9	188	.3	43	25	742	6.78	36	5	ND	1	45	.9	2	5	161	.93	.161	4	78	1.49	80	.18	7	3.82	.02	.07	2	11
JA-1-7	2	131	15	201	.5	34	17	398	8.52	160	5	ND	1	31	1.2	2	3	137	.61	.141	5	66	.96	95	.13	2	3.44	.01	.06	2	36
JA-1-8	1	78	12	148	.5	15	13	447	5.92	49	5	ND	1	34	.5	2	2	141	.48	.089	5	29	.77	92	.15	3	3.49	.01	.05	2	21
JA-1-9	10	65	40	213	.4	8	7	354	8.37	51	5	ND	1	18	1.1	2	12	153	.44	.109	5	32	.58	78	.17	3	2.85	.01	.05	1	73
JA-1-10	2	45	13	161	.3	16	11	401	5.78	47	5	ND	1	53	.4	2	2	145	.48	.071	5	34	.57	81	.15	5	3.28	.02	.04	2	11
JA-1-11	3	152	21	254	.6	43	23	539	7.58	78	5	ND	2	66	.6	2	2	125	.47	.115	6	50	.95	117	.08	5	3.95	.01	.08	3	24
JA-1-12	2	106	6	140	.1	33	15	361	5.34	39	5	ND	2	53	.5	2	2	106	.48	.054	7	50	.97	120	.14	7	3.50	.01	.07	2	9
JA-1-13	2	79	10	137	.4	24	17	497	4.96	39	5	ND	1	43	.5	2	4	107	.46	.065	7	39	.80	137	.11	5	3.10	.01	.04	2	16
JA-1-14	1	32	8	126	.2	16	8	248	4.58	27	5	ND	1	113	.4	2	2	129	.43	.105	6	35	.51	89	.15	3	2.27	.01	.05	1	9
JA-1-15	2	58	10	198	.1	18	14	334	6.94	61	5	ND	1	50	.7	2	2	155	.42	.099	6	40	.60	102	.15	6	2.92	.01	.05	1	6
JA-1-16	2	43	11	113	.2	11	10	361	4.58	49	5	ND	1	30	.5	2	2	113	.42	.094	6	27	.39	93	.13	10	2.12	.01	.04	1	12
JA-1-17	2	52	6	139	.1	27	11	380	5.18	30	5	ND	1	38	.4	2	2	107	.51	.111	7	53	.85	126	.11	7	2.78	.01	.08	2	6
JA-1-18	2	78	7	110	.4	29	13	692	4.55	39	5	ND	1	38	.5	2	2	90	.52	.097	8	52	.98	145	.10	8	2.68	.01	.09	1	13
JA-1-19	1	37	5	94	.1	18	10	424	3.10	21	5	ND	1	39	.2	2	2	64	.41	.086	6	36	.62	101	.14	9	1.65	.01	.08	1	4
JA-1-20	1	25	8	104	.1	18	8	303	3.17	20	5	ND	1	33	.2	2	2	73	.39	.097	7	40	.51	101	.10	4	1.83	.01	.06	1	14
JA-1-21	3	99	15	104	.1	11	8	207	6.80	24	5	ND	1	26	.2	2	3	103	.28	.106	6	24	.32	90	.11	2	1.82	.01	.04	1	28
JA-1-22	3	91	14	197	.3	21	14	342	7.28	61	5	ND	2	31	.6	2	2	112	.29	.187	7	41	.61	108	.09	2	2.70	.01	.06	2	9
JA-1-23	3	58	8	108	.1	39	12	315	4.27	30	5	ND	2	35	.2	2	2	77	.31	.083	10	72	1.00	128	.10	10	2.23	.01	.07	1	17
JA-1-24	1	43	7	116	.3	27	13	375	4.09	29	5	ND	1	41	.3	2	2	79	.47	.079	7	51	.77	120	.13	11	2.20	.01	.08	1	13
JA-1-25	2	36	7	87	.5	21	12	641	3.37	22	5	ND	1	32	.4	2	2	75	.36	.065	8	46	.58	153	.12	5	1.70	.01	.06	1	10
JA-1-26	3	66	9	120	.6	37	16	472	3.89	40	5	ND	1	37	.4	3	2	71	.31	.072	10	65	.83	148	.09	2	1.99	.01	.09	1	16
JA-1-27	2	66	10	146	.1	37	19	601	4.54	39	5	ND	1	38	.5	3	2	83	.44	.100	8	59	.97	134	.11	6	2.57	.01	.08	1	8
JA-1-28	2	46	6	105	.1	22	10	343	4.63	80	5	ND	1	22	.2	2	2	109	.34	.075	7	44	.53	101	.11	6	2.56	.01	.05	1	25
JA-1-29	3	75	9	107	.1	24	10	675	4.53	61	5	ND	1	32	.2	3	2	94	.49	.087	7	44	.68	131	.09	4	2.09	.01	.08	1	15
JA-1-30	15	262	14	169	.3	28	32	918	9.08	67	6	ND	2	25	1.0	2	2	117	.54	.166	5	41	.69	92	.09	6	3.66	.01	.06	2	126
JA-1-31	6	139	9	190	.1	20	26	502	6.40	106	5	ND	1	31	.7	2	2	109	.50	.104	6	37	.60	118	.10	2	2.43	.01	.08	1	8
JA-1-32	7	135	13	205	.1	21	17	414	8.68	119	5	ND	1	24	1.3	2	4	134	.31	.150	6	40	.59	115	.08	4	2.87	.01	.07	2	87
JA-1-33	2	52	7	114	.1	32	12	414	4.10	39	5	ND	1	30	.2	2	2	75	.33	.076	9	65	.87	103	.10	5	2.14	.01	.07	1	9
JA-2-1	1	12	11	67	.1	7	5	398	2.75	18	5	ND	1	19	.2	2	2	82	.36	.067	4	13	.17	75	.14	5	1.22	.01	.02	1	3
JA-2-2	2	117	8	168	.1	28	15	557	5.56	50	5	ND	1	30	.4	2	2	115	.53	.107	6	42	.72	124	.12	2	3.00	.01	.06	1	16
JA-2-3	2	92	9	170	.2	18	13	472	4.44	96	5	ND	1	25	.5	2	2	95	.53	.164	6	28	.41	113	.10	2	2.46	.01	.05	1	7
STANDARD C/AU-S	18	57	36	132	7.3	68	31	950	3.83	43	17	7	36	50	17.9	15	18	56	.45	.082	37	57	.81	178	.08	33	1.73	.06	.13	11	47

ICP - .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 SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P3 Soil P4 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: JUN 18 1990 DATE REPORT MAILED: June 25/90 SIGNED BY. [signature] D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
JA-2-4	7	388	40	142	.5	40	22	697	7.65	56	5	ND	3	80	.2	2	2	102	.50	.065	12	23	.96	139	.03	5	2.80	.01	.10	1	3
JA-2-5	5	199	37	354	1.2	46	31	593	9.07	97	5	ND	3	41	1.0	2	2	85	.64	.080	7	36	.87	114	.09	2	3.34	.01	.09	1	2
JA-2-6	4	181	22	449	2.8	59	24	1534	5.01	74	6	ND	3	74	1.9	2	2	62	.88	.037	17	50	.94	155	.09	5	2.83	.01	.13	1	32
JA-2-7	4	99	26	206	.4	31	22	906	5.05	203	5	ND	2	43	.2	4	2	82	.42	.130	8	31	.78	171	.04	2	2.66	.01	.10	2	31
JA-2-8	3	66	22	133	.6	9	9	413	3.62	20	5	ND	2	23	.8	4	2	75	.52	.102	8	15	.36	114	.06	4	1.94	.01	.07	1	6
JA-2-9	4	19	16	95	.6	7	6	192	3.02	11	5	ND	2	15	.2	3	2	77	.24	.043	7	14	.26	93	.06	2	1.76	.01	.05	2	1
JA-2-10	4	50	24	202	.4	19	13	377	4.15	58	5	ND	2	27	.2	2	2	76	.30	.050	7	25	.52	102	.03	2	2.33	.01	.05	1	60
JA-2-11	2	41	19	168	.6	22	12	762	3.92	24	5	ND	2	23	.2	3	2	70	.28	.060	7	32	.63	141	.06	3	2.38	.01	.07	1	12
JA-2-12	4	58	30	239	.9	23	13	852	6.81	25	5	ND	3	37	.2	4	2	126	.20	.178	4	33	1.22	137	.03	4	3.90	.01	.07	1	2
JA-2-13	20	377	34	505	1.3	74	37	773	11.63	44	5	ND	4	16	3.4	4	8	81	.15	.145	21	33	.96	180	.01	4	3.59	.01	.09	1	18
JA-2-14	3	122	17	197	.3	34	21	864	5.84	54	5	ND	2	27	.2	2	2	113	.43	.084	8	37	1.25	137	.03	4	3.18	.01	.11	1	2
JA-3-1	4	123	15	160	.6	56	20	803	4.02	46	5	ND	2	77	.6	3	2	58	1.04	.113	10	64	1.15	104	.08	10	1.93	.01	.16	1	21
JA-3-2	3	78	23	128	.4	31	20	1041	4.50	38	5	ND	2	60	.8	2	5	64	.97	.092	9	39	.94	101	.14	7	1.85	.01	.09	1	13
JA-3-3	2	62	14	96	.5	28	13	811	3.17	25	5	ND	2	56	.4	2	4	53	.90	.075	8	38	.83	80	.09	5	1.48	.01	.07	1	6
JA-3-4	3	76	15	146	.9	50	16	944	3.36	34	5	ND	2	61	.6	2	2	45	.84	.090	10	53	.87	146	.06	2	1.51	.01	.11	2	5
JA-3-5	3	70	17	116	.5	31	14	961	3.31	28	5	ND	2	58	.3	2	2	50	.92	.082	8	40	.81	105	.08	8	1.50	.01	.08	1	2
JA-3-6	3	67	14	122	.6	34	15	914	3.54	34	5	ND	2	57	.2	2	2	54	.88	.082	9	43	.89	108	.09	5	1.58	.01	.09	1	27
JA-3-7	3	70	17	123	.6	37	15	915	3.42	30	5	ND	1	60	.7	2	5	52	.95	.082	9	45	.88	112	.08	4	1.60	.01	.09	1	2
JA-3-8	3	69	10	117	.5	35	15	851	3.42	29	5	ND	1	57	1.0	2	2	54	.88	.079	9	44	.90	107	.09	4	1.58	.01	.09	1	1
JA-3-9	3	75	15	131	.6	37	16	1015	3.67	32	5	ND	2	64	1.2	2	7	56	1.00	.084	9	47	.92	126	.08	9	1.69	.01	.10	1	1
JA-3-10	5	64	18	113	.7	55	18	2048	3.88	44	5	ND	2	61	1.2	2	5	47	.72	.091	10	62	.94	194	.05	8	1.53	.01	.12	1	10
STANDARD C/AU-S	17	58	38	132	7.3	67	31	1029	4.01	42	16	7	36	47	17.6	14	22	56	.52	.089	36	55	.93	172	.09	36	1.93	.06	.14	11	54

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
JA-90 14E 47+00N	4	37	5	92	.6	32	9	303	2.82	28	5	ND	1	34	.6	3	2	50	.40	.104	12	48	.77	143	.05	4	1.35	.01	.09	1	11
JA-90 15E 49+00N	5	116	10	191	2.3	60	27	1298	4.67	48	5	ND	1	67	1.7	4	3	67	.85	.105	16	70	.93	281	.05	5	2.72	.01	.17	1	10
JA-90 15E 48+50N	4	60	5	120	1.5	36	13	1079	3.06	32	5	ND	1	185	2.2	2	2	37	3.32	.108	5	48	.53	157	.03	6	1.54	.01	.08	1	2
JA-90 15E 48+25N	5	71	6	152	1.4	48	17	799	3.91	35	5	ND	1	44	1.4	3	2	63	.48	.061	12	68	.91	259	.04	5	2.20	.01	.13	1	9
JA-90 15E 48+00N	5	76	7	143	1.7	49	13	375	4.01	39	5	ND	2	41	.5	2	2	64	.39	.048	11	73	.99	189	.04	6	2.31	.01	.12	2	10
JA-90 15E 47+50N	3	53	5	123	.4	46	13	462	3.34	30	5	ND	3	46	.2	4	3	50	.50	.086	15	73	1.11	153	.07	5	1.75	.01	.12	1	7
JA-90 15E 47+25N	3	38	9	98	.4	36	11	362	2.58	20	5	ND	2	37	.2	2	2	43	.42	.067	14	56	.82	140	.06	4	1.42	.01	.09	1	4
JA-90 15E 47+00N	4	54	16	145	.8	36	17	1192	3.43	32	5	ND	1	31	.3	4	2	57	.38	.075	12	54	.73	285	.04	3	1.70	.01	.12	1	24
JA-90 15+50E 49+00N	2	8	8	47	.7	8	3	159	.91	8	5	ND	1	18	.2	3	2	30	.22	.018	11	16	.18	122	.05	2	.70	.01	.04	1	93
JA-90 15+50E 48+75N	5	32	8	100	.7	27	8	527	2.81	31	5	ND	1	27	.2	3	2	55	.38	.070	12	41	.62	173	.05	3	1.18	.01	.09	1	15
JA-90 15+50E 48+25N	5	85	6	180	5.8	54	13	444	3.56	39	5	ND	1	116	2.8	3	2	50	1.68	.053	20	67	.69	270	.04	3	2.23	.01	.14	1	3
JA-90 15+50E 48+00N	5	64	17	173	1.3	42	21	1425	3.90	33	6	ND	2	41	1.2	6	2	64	.50	.080	14	64	.84	366	.04	4	2.12	.01	.15	1	6
JA-90 15+50E 47+75N	5	60	7	160	2.2	46	17	1049	3.72	30	5	ND	1	48	1.8	5	2	65	.60	.056	14	72	.88	301	.05	6	2.07	.01	.14	2	8
JA-90 15+50E 47+50N	5	37	11	110	.7	31	9	358	2.94	27	5	ND	2	28	.3	5	2	53	.32	.078	12	46	.71	190	.04	5	1.35	.01	.09	1	10
JA-90 15+50E 47+25N	4	42	11	115	1.5	32	10	297	2.74	20	5	ND	1	48	1.2	2	2	54	.49	.039	12	47	.55	222	.04	4	1.45	.01	.09	1	5
JA-90 16E 49+00N	3	27	11	120	2.2	19	8	849	2.42	22	5	ND	1	25	.2	2	2	42	.39	.061	9	28	.50	160	.04	2	1.09	.01	.08	1	13
JA-90 16E 48+75N	4	44	4	129	1.3	30	13	877	3.49	34	5	ND	2	22	.9	3	2	57	.30	.088	10	48	.77	176	.05	8	1.51	.01	.07	1	23
JA-90 16E 48+50N	4	44	10	152	.9	36	10	263	3.36	35	5	ND	2	19	.4	2	2	53	.25	.108	9	48	.70	156	.04	3	1.56	.01	.08	1	8
JA-90 16E 48+25N	5	29	20	125	1.2	27	9	235	3.17	27	5	ND	3	18	.2	4	2	51	.20	.111	13	46	.68	111	.04	5	1.50	.01	.07	1	6
JA-90 16E 48+00N	4	33	17	114	.7	27	9	199	3.21	24	5	ND	3	21	.3	3	2	52	.26	.086	10	43	.65	104	.06	3	1.65	.01	.07	1	7
JA-90 16E 47+75N	4	28	9	101	.5	25	8	229	2.81	22	5	ND	2	22	.2	4	2	52	.28	.072	12	39	.60	136	.06	6	1.24	.01	.07	1	3
JA-90 16E 47+50N	4	40	8	133	.5	33	11	317	3.80	22	5	ND	2	21	.2	3	2	63	.28	.069	9	54	.81	132	.06	2	1.90	.01	.08	1	8
JA-90 16E 47+25N	5	53	19	137	.7	39	14	447	3.39	34	5	ND	3	23	.2	4	2	55	.29	.062	12	53	.88	131	.06	2	1.76	.01	.10	1	7
JA-90 16E 47+00N	3	20	11	74	.7	23	6	233	1.98	15	5	ND	1	16	.2	3	2	45	.21	.030	10	40	.52	113	.05	2	1.12	.01	.06	1	5
STANDARD C/AU-S	18	57	35	132	7.0	68	30	1030	4.04	42	19	7	37	47	17.1	15	19	56	.53	.092	36	56	.94	173	.09	36	1.89	.06	.14	13	52

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
A 92001	3	1197	69	276	8.3	28	34	484	5.65	158	6	ND	2	16	3.0	5	2	95	1.27	.090	5	34	1.05	32	.17	2	1.84	.03	.10	1	60
A 92002	1	90	2	55	.1	29	23	580	5.06	19	6	ND	2	28	1.2	2	2	180	2.12	.093	7	47	1.86	43	.40	2	3.08	.03	.09	1	3
A 92003	1	156	5	59	.2	10	15	411	4.36	18	6	ND	1	62	.7	2	2	107	2.50	.158	3	4	.86	48	.15	2	2.53	.05	.14	1	148
A 92004	1	67	3	107	.1	9	16	905	4.85	16	5	ND	2	47	.8	2	2	113	2.33	.090	5	11	1.96	45	.27	2	3.49	.02	.05	1	2
A 92005	1	273	2	31	.2	16	18	469	4.74	11	7	ND	2	49	.6	2	2	109	2.18	.129	9	33	1.07	33	.21	2	2.42	.09	.11	1	4
A 92006	3	88	19	104	.1	10	12	528	4.76	15	5	ND	2	13	.3	2	2	37	.18	.092	7	14	.65	140	.01	2	1.52	.02	.20	1	2
A 92007	1	148	2	37	.4	6	9	561	9.40	15	5	ND	2	22	1.6	2	2	127	.63	.099	5	23	1.43	64	.44	2	2.63	.01	.19	2	82
A 92008	4	81	5	55	.2	32	12	137	2.13	8	5	ND	2	22	.7	2	2	74	1.31	.070	4	32	.41	54	.23	2	1.39	.02	.12	1	10
A 92009	1	5105	90	1081	10.3	34	125	215	39.42	15	5	ND	2	4	11.8	2	10	2	.44	.005	2	2	.05	6	.01	2	.19	.01	.03	1	3490
A 92101	4	589	2	30	.2	12	20	335	5.63	11	5	ND	1	15	.6	2	2	115	1.01	.099	4	25	1.16	39	.20	2	1.82	.02	.12	1	97
A 92102	1	103	2	43	.1	9	9	385	4.54	9	5	ND	2	27	.8	2	2	98	1.21	.117	8	20	.82	47	.26	2	1.75	.05	.10	1	47
A 92103	1	66	2	79	.1	15	15	607	4.13	18	5	ND	1	24	.9	2	2	95	1.68	.088	5	23	1.20	46	.24	2	2.40	.04	.09	1	4
A 92104	1	68	2	41	.2	27	14	440	4.13	16	5	ND	3	56	.6	2	2	151	2.24	.080	7	41	1.34	19	.23	2	2.65	.03	.04	2	1
A 92105	3	6	9	1	.1	9	1	50	.49	2	5	ND	1	1	.2	2	2	1	.02	.001	2	8	.01	3	.01	2	.03	.01	.01	1	2
A 92106	1	115	2	28	.1	19	14	339	3.80	3	5	ND	1	17	.2	2	2	43	1.12	.096	4	19	.56	95	.18	2	1.23	.03	.18	1	2
A 92107	3	138	3	38	.1	31	18	424	4.34	8	5	ND	2	17	.8	2	2	104	1.64	.096	8	27	.96	41	.21	2	2.00	.03	.08	1	33
A 92108	3	7	4	8	.1	9	1	58	.76	3	5	ND	4	4	.2	2	2	3	.11	.030	12	9	.10	8	.01	6	.18	.02	.02	1	1
A 92109	8	656	2	20	.3	4	6	311	7.98	5	5	ND	2	34	.6	2	2	131	.32	.088	5	36	.92	88	.15	2	1.76	.02	.15	1	37
A 92110	2	573	2	51	.2	23	20	442	5.38	4	5	ND	2	16	.6	2	2	106	1.77	.103	6	24	.91	34	.16	2	1.99	.03	.11	1	5
A 92111	1	233	3	70	.1	18	19	547	5.02	6	5	ND	2	17	.7	2	2	119	1.67	.112	7	22	1.48	48	.23	5	2.39	.03	.11	1	7
A 92112	1	105	6	43	.7	7	7	646	11.71	5	5	ND	2	29	1.8	2	2	95	.78	.063	7	20	1.29	54	.33	2	3.03	.01	.23	1	930
A 92113	3	258	2	27	.4	4	3	499	7.01	29	5	ND	3	16	.6	2	2	78	.34	.045	2	27	1.14	45	.17	2	2.33	.01	.11	2	250
A 92114	7	163	2	39	.1	33	11	391	4.88	6	5	ND	2	21	.5	2	2	177	1.06	.100	7	52	1.20	33	.24	3	2.02	.03	.10	1	5
A 92115	1	105	4	62	.1	15	19	795	4.58	10	5	ND	2	27	.5	2	2	117	2.43	.119	7	19	1.46	20	.19	11	3.33	.03	.04	1	1
STANDARD C/AU-R	18	58	40	131	7.2	71	32	1029	3.93	42	20	7	37	53	18.4	16	19	56	.50	.087	37	58	.91	179	.09	34	1.90	.06	.14	11	530

APPENDIX II

ROCK SAMPLE DESCRIPTIONS

ROCK SAMPLE DESCRIPTIONS

Sample #	Description
92001-Float	Argillite-Light grey, fine grained, limonite stained. 2% pyrite as fine disseminations.
92002-Grab	Argillite, quartz veinlets, 1% pyrite as disseminations.
92003-Float	Diorite, medium grained, 1% pyrite as bleby stringers. Minor magnetite.
92004-Grab	Argillite-tuff-laminated, quartz and calcite veinlets.
92005-Float	Andesite, grey blue, fine grained. Augite phenocrysts $\leq$1 mm.
92006-Float	Argillite, dark grey, fine grained. Limonite stained, boxwork of ankerite and hematite.
92007-Grab	Argillite, dark grey to black, fine grained. Siliceous fractured. Limonite stained.
92008-Grab	Argillite, dark grey to black, limonite stained $\leq$2% pyrite, disseminated.
92009-Float	Argillite, fine grained, limonite stained, 5% pyrite as disseminations.
92101-Float	Tuff, slightly hornfelsed? <1m stains on fract and minor boxwork, minor pyrite and quartz as fracture filling.
92102-Float	Tuff, fine grained, slightly silicified, fractured, limonite stained.
92103-Float	Tuff, slightly silicified, quartz veinlets. Minor chlorite alteration, limonite stains, 1-2% pyrite as blebs.
92104-Float	Argillite, silicified and 1-3 mm quartz veinlets. Limonite stained. Minor sphalerite? 1% pyrite on fractures and 1-2 mm blebs.
92105-Float	Quartz boulder, possibly not local, hematite and limonite stained.
92106-Float	Tuff, medium grained, slightly silicified, quartz veinlets. Limonite on fractures, 1-3% pyrite as fracture filling and 1 mm blebs.
92107-Float	Argillite, slightly silicified, 2-3% pyrite as blebs and on fractures.
92108-Float	Quartz-similar to 92105. Limonite and hematite stained. 1-2% phlogopite. <1% pyrite as 1 mm blebs.
92109-Float	Tuff, weathered, limonite stained, minor chlorite and pyrite.
92110-Float	Tuff, slightly silicified, limonite on fractures. 2-3% pyrrhotite as .25-.5 mm disseminations and veinlets up to .5 mm veinlets.

Sample #	Description
92111-Grab	Tuff, grey green, slightly silicified, limonite stained 1-2% pyrite as fine disseminations and fracture coatings.
92112-Grab	5 cm fault, achlorite, chlorite, 1-3% pyrrhotite. In argillite.
92113-Grab	Argillite, limonite stained, anchlorite on weathered surfaces. 2-3% pyrite as disseminations and fracture fillings.
92114-Grab	same - 5 metres along outcrop.
92115-Grab	Tuff, grey green, fresh, slightly gossanous from weathering of <1% pyrite as disseminations.

APPENDIX III

COST STATEMENT

COST STATEMENT

Jamboree 15 Mineral Claim

Geological Mapping, Soil and Rock Geochemistry

Wages

D. Gorc	May 25-29	$1,100	
D. Johannessen	May 25-29, June 11-17	1,800	
T. East	June 6-9, 11-17	1,700	
A. Saltiel	June 6-8, 11-17	1,000	$ 5,600

Travel, Accommodation, Transportation

Hotel	250	
Meals	250	
Truck rental June 8-15	400	
Gasoline, suppliers, equipment	800	
Helicopter (2 hrs)	1,385	
Room and board 6 man-days @ $45	270	3,355

Geochemical

81 soil samples analyzed for Au by atomic adsorption and Au element ICP	
24 rock samples analyzed for Au by atomic adsorption and Au element ICP	970

Miscellaneous

Report (drafting, computer, typing, etc.)	1,500
	$11,425

DOR 2

JAMBOREE 17

JAMBOREE 15

NORTH DOREEN SHOWING

TALUS

Doreen Creek

L 17 E
L 16 E
L 15 E
L 14 E
L 13 E
L 12 E
L 11 E
L 18 E
L 19 E
L 20 E
L 21 E
L 22 E
L 23 E
L 16 E
L 15+50 E
L 15 E

4500
4000
3500
3500
4000
4000

57+00 N
56+00 N
55+00 N
54+00 N
53+00 N
52+00 N
51+00 N
50+00 N
49+00 N
48+00 N
47+00 N
Baseline

JA-3-1
JA-3-2
JA-3-3
JA-3-4
JA-3-5
JA-3-6
JA-3-7
JA-3-8
JA-3-9
JA-3-10
JA-2-1
JA-2-5
JA-2-10
JA-2-14
JA-1-33
JA-1-30
JA-1-25
JA-1-20
JA-1-15
JA-1-10
JA-1-5
JA-1-1

92113, 92114 Arg
92008
92112 Arg
92007 Arg
92009 Arg
92115 Tuff
92111 Trench Tuff
92106
92110 Tuff
92108
92107 Arg, fg. Dior
92104 Arg
92103
92102 Tuff
92005 Ag And Arg
92006 Arg
92004
x 92001 Arg
x 92002 Arg
x 92003 Dior
x 92105 Qtz
Tuff/Arg x 92101, 92109
Tuff/Arg
Tuff
Dior
xx Dior xx
xx Tuff/Arg

GEOCHEMISTRY

SAMPLE #	Cu ppm	Zn ppm	Ag ppm	As ppm	Au* ppb
JA-1-1	202	207	0.3	57	1
JA-1-2	49	114	0.3	36	2
JA-1-3	218	158	0.1	240	39
JA-1-4	119	157	0.5	224	84
JA-1-5	134	124	0.4	44	13
JA-1-6	127	188	0.3	38	11
JA-1-7	131	201	0.5	160	38
JA-1-8	78	148	0.5	49	21
JA-1-9	85	213	0.4	51	73
JA-1-10	45	161	0.3	47	11
JA-1-11	152	254	0.8	78	24
JA-1-12	108	140	0.1	39	9
JA-1-13	79	137	0.4	39	18
JA-1-14	32	126	0.2	27	9
JA-1-15	58	198	0.1	61	9
JA-1-16	43	113	0.2	49	12
JA-1-17	52	139	0.1	30	8
JA-1-18	78	110	0.4	39	13
JA-1-19	37	94	0.1	21	4
JA-1-20	25	104	0.1	20	14
JA-1-21	99	104	0.1	24	28
JA-1-22	91	197	0.3	61	9
JA-1-23	58	108	0.1	30	17
JA-1-24	43	118	0.3	29	13
JA-1-25	36	87	0.5	22	10
JA-1-26	86	120	0.8	40	18
JA-1-27	86	148	0.1	39	8
JA-1-28	46	105	0.1	80	25
JA-1-29	75	107	0.1	81	15
JA-1-30	262	189	0.3	87	126
JA-1-31	139	190	0.1	106	8
JA-1-32	135	205	0.1	119	87
JA-1-33	52	114	0.1	39	9
JA-2-1	12	67	0.1	18	3
JA-2-2	117	168	0.1	50	16
JA-2-3	92	170	0.2	96	7
JA-2-4	388	142	0.5	56	3
JA-2-5	199	354	1.2	97	2
JA-2-8	181	449	2.8	74	32
JA-2-7	99	208	0.4	203	31
JA-2-8	68	133	0.6	20	8
JA-2-9	19	95	0.8	11	1
JA-2-10	50	202	0.4	58	60
JA-2-11	41	168	0.6	24	12
JA-2-12	58	239	0.9	25	2
JA-2-13	377	505	1.3	44	18
JA-2-14	122	197	0.3	54	2
JA-3-1	123	160	0.6	46	21
JA-3-2	78	128	0.4	38	13
JA-3-3	62	98	0.5	25	6
JA-3-4	76	146	0.9	34	5
JA-3-5	70	116	0.5	28	2
JA-3-6	87	122	0.6	34	27
JA-3-7	70	123	0.6	30	2
JA-3-8	69	117	0.5	29	1
JA-3-9	75	131	0.6	32	1
JA-3-10	64	113	0.7	44	10
JA-90 14E 47+00N	37	92	0.6	28	11
JA-90 15E 49+00N	118	191	2.3	48	10
JA-90 15E 49+50N	60	120	1.5	32	2
JA-90 15E 48+25N	71	152	1.4	35	9
JA-90 15E 48+00N	76	143	1.7	39	10
JA-90 15E 47+50N	53	123	0.4	30	7
JA-90 15E 47+25N	38	88	0.4	20	4
JA-90 15E 47+00N	54	145	0.8	32	24
JA-90 15+50E 49+00N	8	47	0.7	8	93
JA-90 15+50E 48+75N	32	100	0.7	31	15
JA-90 15+50E 48+25N	85	180	5.8	39	3
JA-90 15+50E 48+00N	64	173	1.3	33	6
JA-90 15+50E 47+75N	60	160	2.2	30	8
JA-90 15+50E 47+50N	37	110	0.7	27	10
JA-90 15+50E 47+25N	42	115	1.5	20	5
JA-90 16E 49+00N	27	120	2.2	22	13
JA-90 16E 48+75N	44	129	1.3	34	23
JA-90 16E 48+50N	44	152	0.9	35	8
JA-90 16E 48+25N	29	125	1.2	27	6
JA-90 16E 48+00N	33	114	0.7	24	7
JA-90 16E 47+75N	28	101	0.5	22	3
JA-90 16E 47+50N	40	133	0.5	22	8
JA-90 16E 47+25N	53	137	0.7	34	7
JA-90 16E 47+00N	20	74	0.7	15	5
A 92001	1197	276	8.3	158	60
A 92002	90	55	0.1	19	3
A 92003	156	59	0.2	18	148
A 92004	67	107	0.1	16	2
A 92005	273	31	0.2	11	4
A 92006	88	104	0.1	15	2
A 92007	148	37	0.4	15	82
A 92008	81	55	0.2	8	10
A 92009	5105	1081	10.3	15	3480
A 92101	589	30	0.2	11	97
A 92102	103	43	0.1	9	47
A 92103	66	79	0.1	18	4
A 92104	68	41	0.2	16	1
A 92105	6	1	0.1	2	2
A 92106	115	28	0.1	3	2
A 92107	138	38	0.1	8	33
A 92108	7	8	0.1	3	1
A 92109	558	20	0.3	5	37
A 92110	573	51	0.2	4	5
A 92111	233	70	0.1	8	7
A 92112	105	43	0.7	5	930
A 92113	258	27	0.4	28	250
A 92114	183	39	0.1	8	5
A 92115	105	62	0.1	10	1

NOTE: Claim boundary between DOR 2 and Jamboree 15,17 claims is uncertain.

LEGEND

- Property Boundary
- Road
- Traverse Line
- Stream
- Swamp
- Elevation Contour (Feet)
- Outcrop
- Joint
- Silt Sample
- Soil Sample
- Rock Sample
- x Float Sample

Ag And	Augite Andesite Porphyry
Arg	Argillite
Dior	Diorite
Qtz	Quartz
fg	Fine grained

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,805

IMPERIAL METALS CORPORATION

JAMBOREE
CARIBOO M.D., B.C.

FIGURE 5 — N.T.S. 93A 7W

1990 EXPLORATION PROGRAM
GEOLOGY & SAMPLE LOCATIONS

metres 0 50 100 150 200 250 metres

SCALE: 1:2500	GEOLOGIST: D.GORC, D. JOHANNESEN
DATE: JANUARY 1991	DRAWN BY: JC/SEH