

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 90.05.04

ASSESSMENT REPORT 18756

MINING DIVISION: Cariboo

PROPERTY: Jamboree  
LOCATION: LAT 52 16 30 LONG 120 55 00  
UTM 10 5793451 642140  
NTS 093A07W

CAMP: 036 Cariboo - Quesnel Belt

CLAIM(S): Jamboree 15  
OPERATOR(S): Imperial Metals  
AUTHOR(S): Gorc, D.M.  
REPORT YEAR: 1989, 33 Pages

COMMODITIES

SEARCHED FOR: Gold

KEYWORDS: Triassic, Jurassic, Quesnel River Group, Argillites, Diorites, Tuffs

WORK

DONE: Drilling, Geochemical  
DIAD 194.2 m 2 hole(s);NQ  
Map(s) - 1; Scale(s) - 1:2500  
SAMP 67 sample(s);ME

RELATED

REPORTS: 14923  
FILE: 093A 149

LOG NO.	0525	RD.
FILE NO:		

DIAMOND DRILLING

on the

DOREEN AREA

JAMBOREE PROPERTY

FILMED

CARIBOO MINING DIVISION

NTS 93A 7W

SUB-RECORDER  
RECEIVED  
MAY - 4 1989  
M.R. # ..... \$ .....  
VANCOUVER, B.C.

LATITUDE 52° 15' W  
LONGITUDE 122° 50' W

for

IMPERIAL METALS CORPORATION

Field Work Period: June 18 - July 11, 1988

Work Completed On: Jamboree 15

DENNIS GORC  
APRIL, 1989  
VANCOUVER, B.C.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,756

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## 1.0 INTRODUCTION

This report discusses the results of a diamond drilling program completed during the period June 18 - July 11, 1988 on the Doreen Creek area of the Jamboree Property, Cariboo M.D.

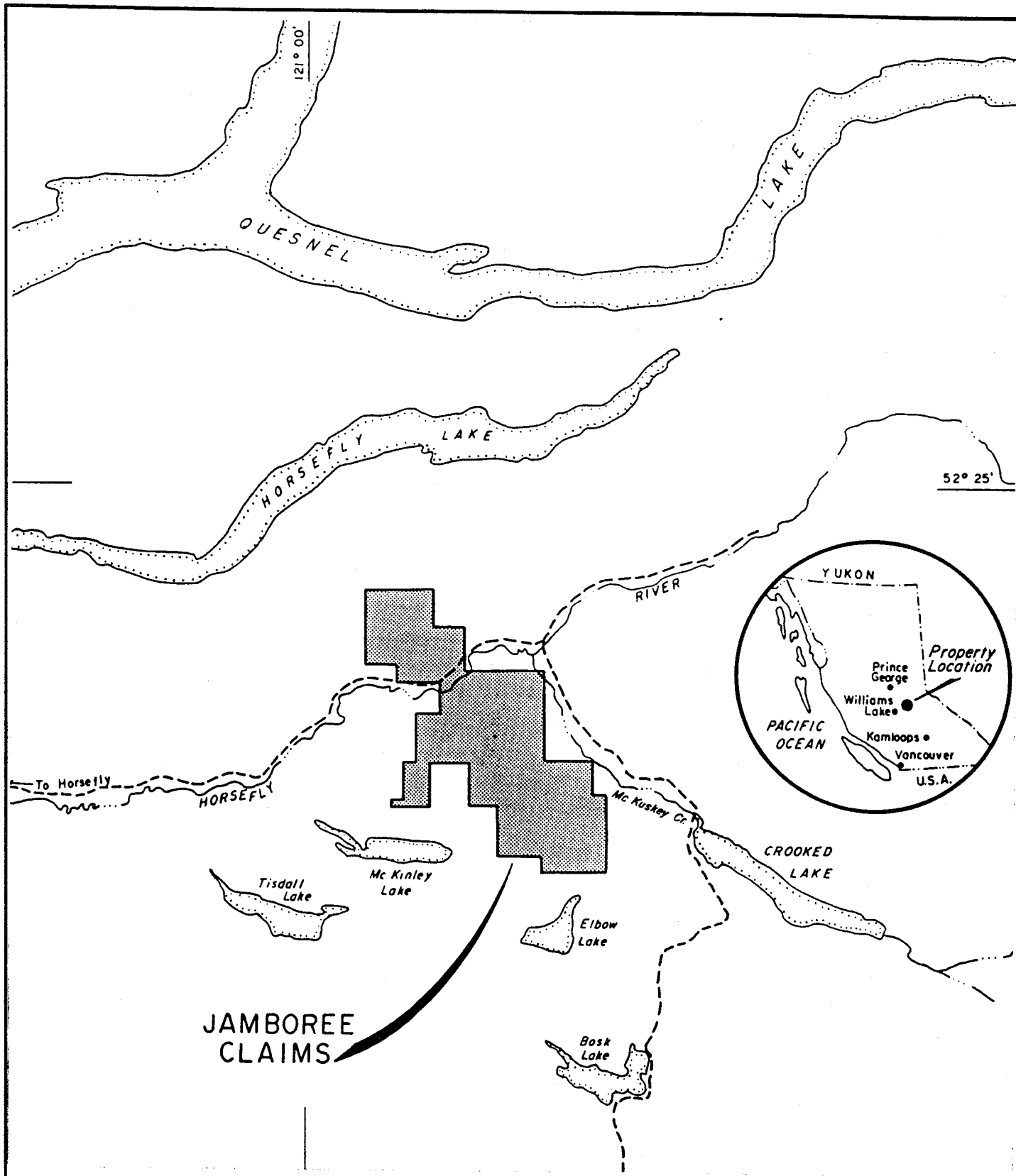
The drill program was designed to test anomalies outlined during an induced polarization survey completed during the period June 18 - July 11, 1988 on the Doreen Creek area.

The widespread overburden covering much of the Doreen Creek valley makes mineral exploration more difficult. The two gold showings discovered to date both occur where a small area of outcrop is exposed on surface. In the case of the main Doreen showing the outcrops were exposed during road building.

Previous rock chip sampling of the Doreen showing returned up to 0.121 oz/ton Au over 1 meter. A total of 10 percussion drill holes tested this showing in 1983. The best gold value returned from drilling was 0.024 oz/ton Au over 2.1 meters.

Previous sampling from the North Doreen showing include a soil sample which returned 4100 ppb Au. A grab sample in 1987 returned 1390 ppb Au. Three percussion drill holes tested the showing in 1983 returning a high of 413 ppb Au over 1 meter.

The Dor property of Eureka Resources Inc. adjoins the Jamboree property to the west of the Doreen Creek target Area. Work there has outlined massive pyrite-pyrrhotite lodes within east-west shear structures. Such lodes contain sporadic gold values up to 68,000 ppb Au. In addition, rock chip samples of silicified pyritic andesite have returned up to 0.186 oz/ton Au over 2 meters.



<b>IMPERIAL METALS CORPORATION</b>	
<b>JAMBOREE</b>	
FIGURE 1	N.T.S. 93A 7W
<b>LOCATION MAP</b>	
km 0 5 10 15	
SCALE: 1:250,000	GEOLOGIST: D. BORG
DATE: SEPTEMBER, 1988	DRAWN BY: J. CORKUM

## 2.0 CLAIM DATA

The Jamboree claim block consists of 18 modified grid claims totalling 290 units. These claims are listed as owned by Imperial Metals Corporation, but are subject to a joint venture partnership which also includes Geomex Development Inc., Ruanco Enterprises Ltd., and International Display Corporation.

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

<u>Group 1</u>	<u>Claim Name</u>	<u># of Units</u>
	Jamboree 1	20
	Jamboree 2	20
	Jamboree 3	20
	Jamboree 4	20
	Jamboree 18	<u>20</u>
		<u>100</u> units

<u>Group 2</u>	<u>Claim Name</u>	<u># of Units</u>
	Jamboree 5	20
	Jamboree 6	8
	Jamboree 12	9
	Jamboree 13	9
	Jamboree 14	9
	Jamboree 15	20
	Jamboree 16	9
	Jamboree 17	<u>8</u>
		<u>92</u> units

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

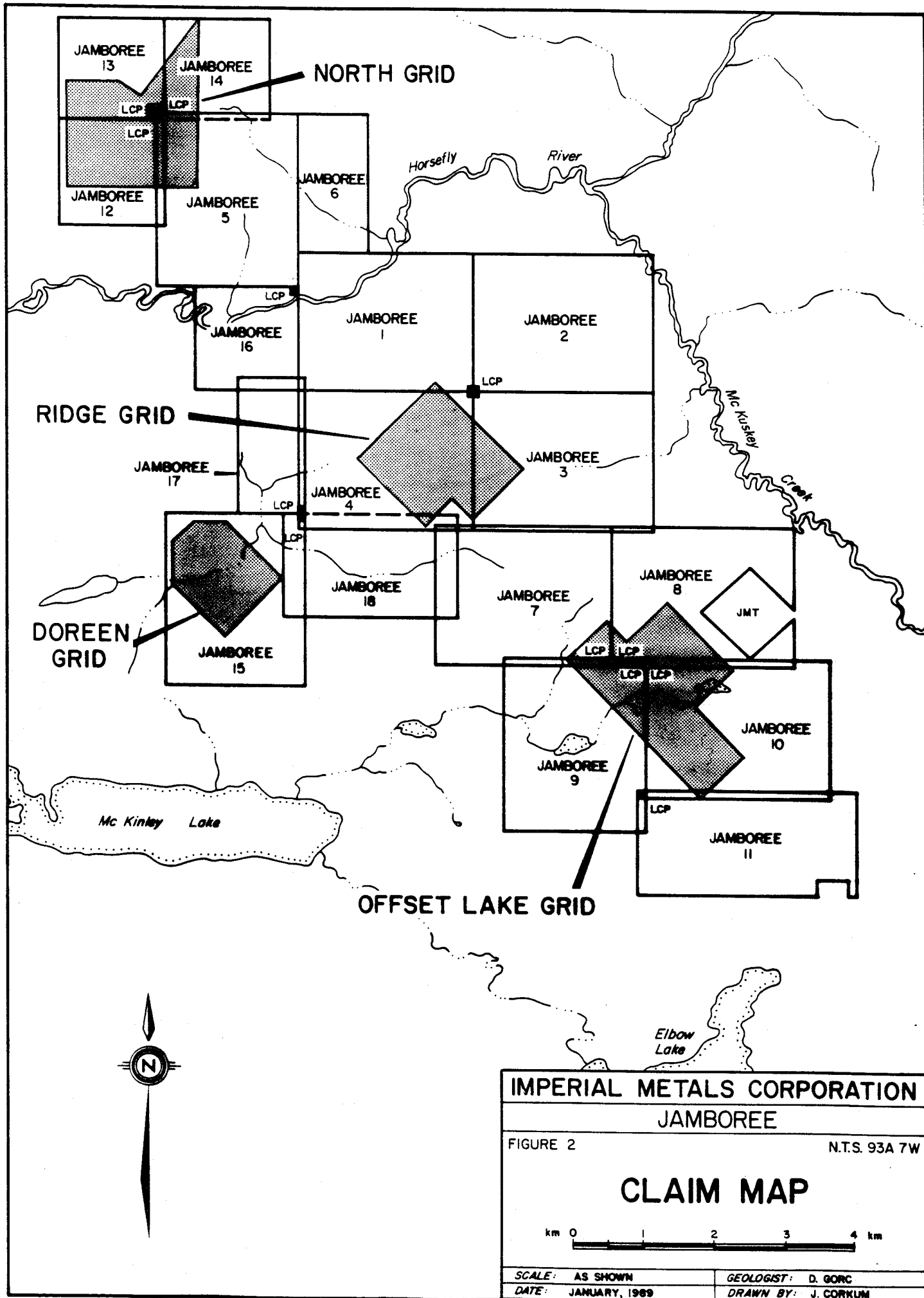
TABLE 1 - CLAIM DATA

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<u>Name</u>		<u>Units</u>	<u>Record No.</u>	<u>Record Date</u>
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	12	9	4180 (11)	26/11/81
Jamboree	13	9	4181 (11)	26/11/81
Jamboree	14	9	4186 (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





IMPERIAL METALS CORPORATION  
 JAMBOREE  
 FIGURE 2 N.T.S. 93A 7W  
**CLAIM MAP**  
 km 0 1 2 3 4  
 SCALE: AS SHOWN GEOLOGIST: D. GORC  
 DATE: JANUARY, 1969 DRAWN BY: J. CORKUM

### 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.

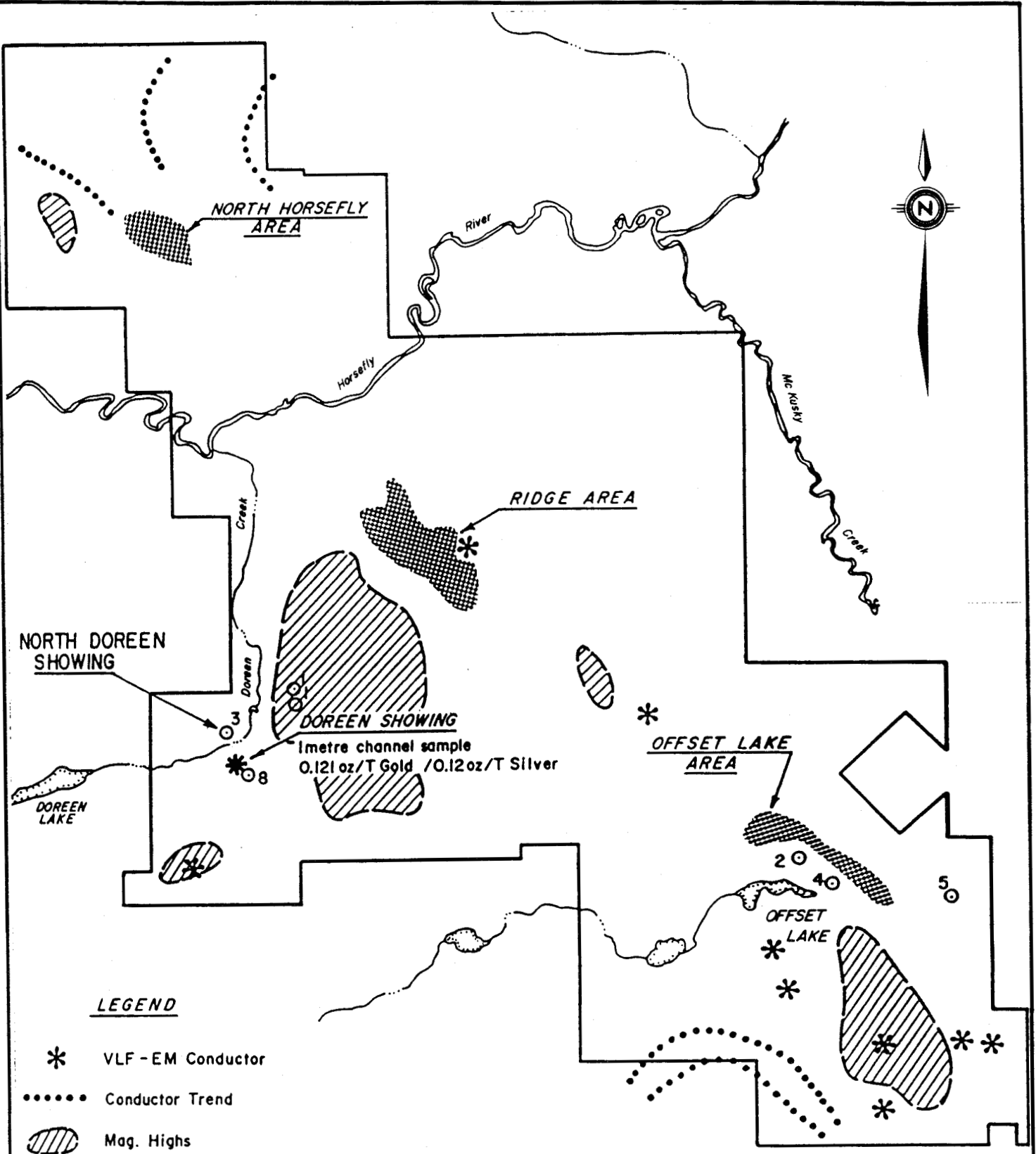
The Jamboree claims are located in the western foothills of the Cariboo Mountains. Elevations range between 900 meters on the Horsefly River to 1700 meters on the Ridge area in the central portion of the claim group. Much of the lower areas have been logged providing good exposure while the mature forests 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 additional 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.



**LEGEND**

- \* VLF - EM Conductor
- ..... Conductor Trend
- Mag. Highs
- Areas Of Anomalous Gold Geochem. Values
- 6 Drill Area and number of holes

**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

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 analysed.

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 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.

## 5.0 REGIONAL GEOLOGY

The Jamboree claims lies within the Quesnel Trough, a narrow tectonic depression in which Mesozoic sedimentary and volcanic rocks were deposited. The Trough extends from the U.S. border to 57°N latitude.

In the vicinity of the Jamboree property the Quesnel Trough is fault-bounded to the west by the Paleozoic Cache Creek Group and to the east by Paleozoic and Precambrian strata. The prevailing structural trend is northwesterly.

The Quesnel Trough is the host for several important gold and copper-gold deposits included the Cariboo-Bell deposit (100,000,000 tons grading 0.37% Cu and 0.015 oz/ton Au); QR deposit (950,000 tons grading 0.21 oz/ton); Ingerbelle-Copper Mountain (200,000,000 tons grading 0.5% Cu, 0.005 oz/ton Au).

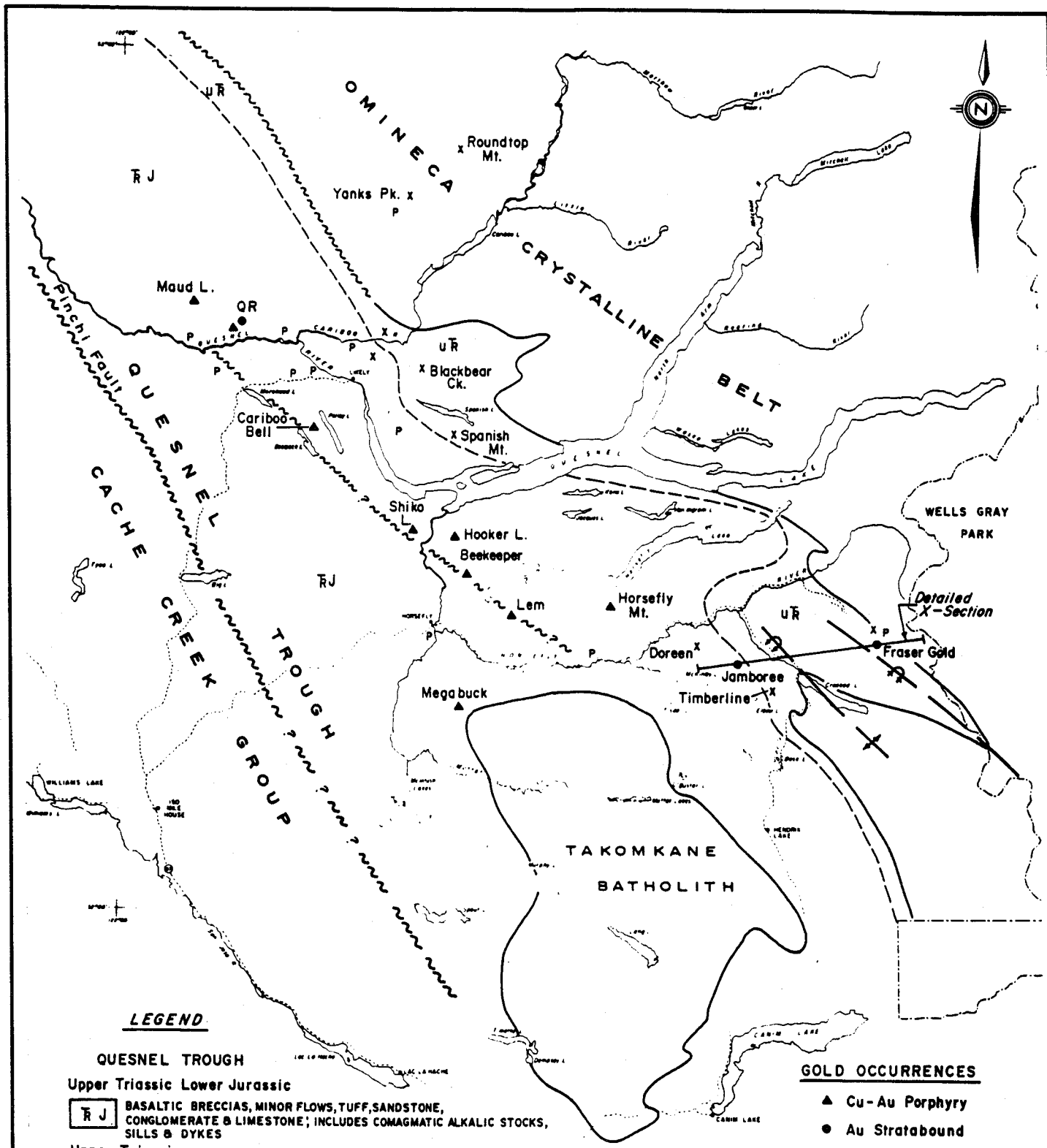
## 6.0 PROPERTY GEOLOGY

### 6.1 Lithologies

The Jamboree claim group is underlain by an Upper Triassic - Lower Jurassic volcanoclastic - sedimentary assemblage assigned to the Quesnel River Group by Campbell (G.S.C. open file 544, 1978).

The regional bedding trend strikes north to the northwesterly with moderate to steep easterly dips. Regional metamorphism increases in intensity to the east where interbedded tuffs and argillites have been converted to phyllites.

The rocks underlying the property have been divided into three main units based largely upon field geological mapping carried out by G. Richards and R. Simpson from June 9 to October 15, 1983. These are a lower tuff-argillite sequence, a middle volcanic breccia zone and an upper, predominantly argillitic sequence. The lower unit is intruded by a dioritic stock and associated andesitic sills and/or dykes assigned to a fourth unit.



**LEGEND**

- QUESNEL TROUGH**  
 Upper Triassic Lower Jurassic
- RJ BASALTIC BRECCIAs, MINOR FLOWS, TUFF, SANDSTONE, CONGLOMERATE & LIMESTONE; INCLUDES COMAGMATIC ALKALIC STOCKS, SILLS & DYKES
  - Upper Triassic
  - UR 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)

<b>IMPERIAL METALS CORPORATION</b>	
<b>JAMBOREE</b>	
FIGURE 4	N.T.S. 93A/7W
<b>REGIONAL GEOLOGY</b>	
km 0      10      20      30      40 km 	
SCALE: AS SHOWN	GEOLOGIST: D. GORC
DATE: JANUARY, 1988	DRAWN BY: J. CORKUM

AFTER WESTERN MINER, APRIL 1984

The lower part of the unit 1 assemblage is exposed near Doreen Creek and consists of interbedded and commonly laminated, argillites and tuffs. The rocks are virtually unmetamorphosed with the exception of a hornfels halo developed around a dioritic stock. Equivalent rocks exposed north of the Horsefly River are cherty tuffs overlain by laminated tuffs with occasional lapilli tuff horizons.

Higher in the section, resistant andesitic tuffs, including minor crystal and lapilli tuff, form cliffs and knobs on the upper slopes of the central hill. These are overlain by more recessive interbedded tuff and argillite with minor volcanoclastic sandstone near the top.

Massive uniform andesite containing hornblende needles 1-4 mm long and aphanitic, dark green andesite containing small (.5 mm) hornblende crystals and no readily discernable breccia texture. These rock types are commonly foliated and chloritized.

The andesite breccia is overlain by unit 3, a predominantly sedimentary sequence of black to brownish argillite and shaly phyllite with minor interbedded phyllitic tuff. This unit is recessive and poorly exposed.

In the Doreen lake vicinity, argillites and tuffs of unit 1 have been intruded by a fine grained diorite stock resulting in a hornfels halo extending 200 to 300 meters from the contact exposed in two creek beds east of Doreen Creek. Hornfels development is more widespread on the hillside north of Doreen Lake. The diorite and related hornblende andesite - microdiorite sills and/or dykes are assigned to unit 4 but may be contemporaneous with the andesite breccia of unit 2.

The presence of numerous, sub-angular, glacial float boulders combined with a prominent magnetic anomaly located southeast of Offset Lake, indicates the presence of a gabbro-hornblendite body. Thick glacial deposits cover this area and no outcroppings have been uncovered.

Unit 1 is conformably overlain by a resistant andesite breccia zone (unit 2) which varies from 150 to 300 meters in thickness. On top of the central hill, fragments of the andesite breccia are of two types; andesite fragments characterized by tabular hornblende crystals 4 to 10 mm long and 3 to 5 mm wide; and andesite fragments with acidular hornblende crystals 1 mm wide and 3 to 4 mm in length. The size of the clasts is generally greater than 10 cm in diameter but decreases to 1 cm

within 100 m of the top. Graded bedding is more evident in the top 100 m with fragments decreasing in size to less than 3 mm within 50 m of the top. A dust tuff horizon, normally less than 10 m in thickness, occurs with fragments decreasing in size to less than 3 mm within 50 m of the top. A dust tuff horizon, normally less than 10 m in thickness, occurs at the top of unit 2. Finer grained lenses occur within the coarser breccias and the most southeasterly outcrops of this unit. In the Offset lake area, the andesite breccia typically contain 10% dioritic fragments with some gabbro and hornblendite fragments in a microdiorite matrix. Fragments are extremely angular and vary widely in diameter from a few centimeters to several decimeters.

## 6.2 Hydrothermal Alteration

Ankerite is the most widespread alteration mineral on the property. It occurs in all rock types but is most commonly associated with fault zones and with silicified phyllite zones of unit 1 northeast of Offset Lake.

Quartz veins cut all units and silicification is common within argillite and argillite-tuff sequences of units 1 and 3. Strongly silicified zones occur in unit 1 rocks below the andesite breccia contact. Large quartz vein fragments exceeding 1 m in width lie in a logged clearing near the southeast corner of the Jamboree 8 claim near recessive outcroppings of unit 3.

Mariposite commonly occurs with ankerite and quartz in silicified phyllites near Offset Lake and in float boulders on the Jamboree 5 claims north of the Horsefly River.

Weak to moderate chlorite alteration of hornblende is widespread in units 2 and 4. Stronger chloritization is associated with fault zones.

Epidote alteration is mainly confined to the andesite breccia in the Offset Lake area. Strongly epidotized boulders occur in old glacial moraines east of Offset Lake.

Gypsum commonly coats fractures and bedding surfaces of argillite in the Doreen Creek area.



## 7.0 DIAMOND DRILLING

During the period June 24 - 27, 1988 two drill holes were completed by J. T. Thomas Drilling of Smithers on the Doreen Creek of the Jamboree Property. The drill holes were designed to test induced polarization anomalies.

Drill Hole	Grid		Azimuth	Dip	Length (m)
	Location				
JD-88-1	L15E	5342N	150°	-45°	96.62m
JD-88-2	L19+05E	5226N	150°	-45°	97.54m

The drilling intersected a sequence of black very fine grained argillites intruded by numerous diorite dykes varying from 10 cm to 20m in thickness. The rocks intersected were essentially unaltered. No hornfelsing or propylitic alteration was noted.

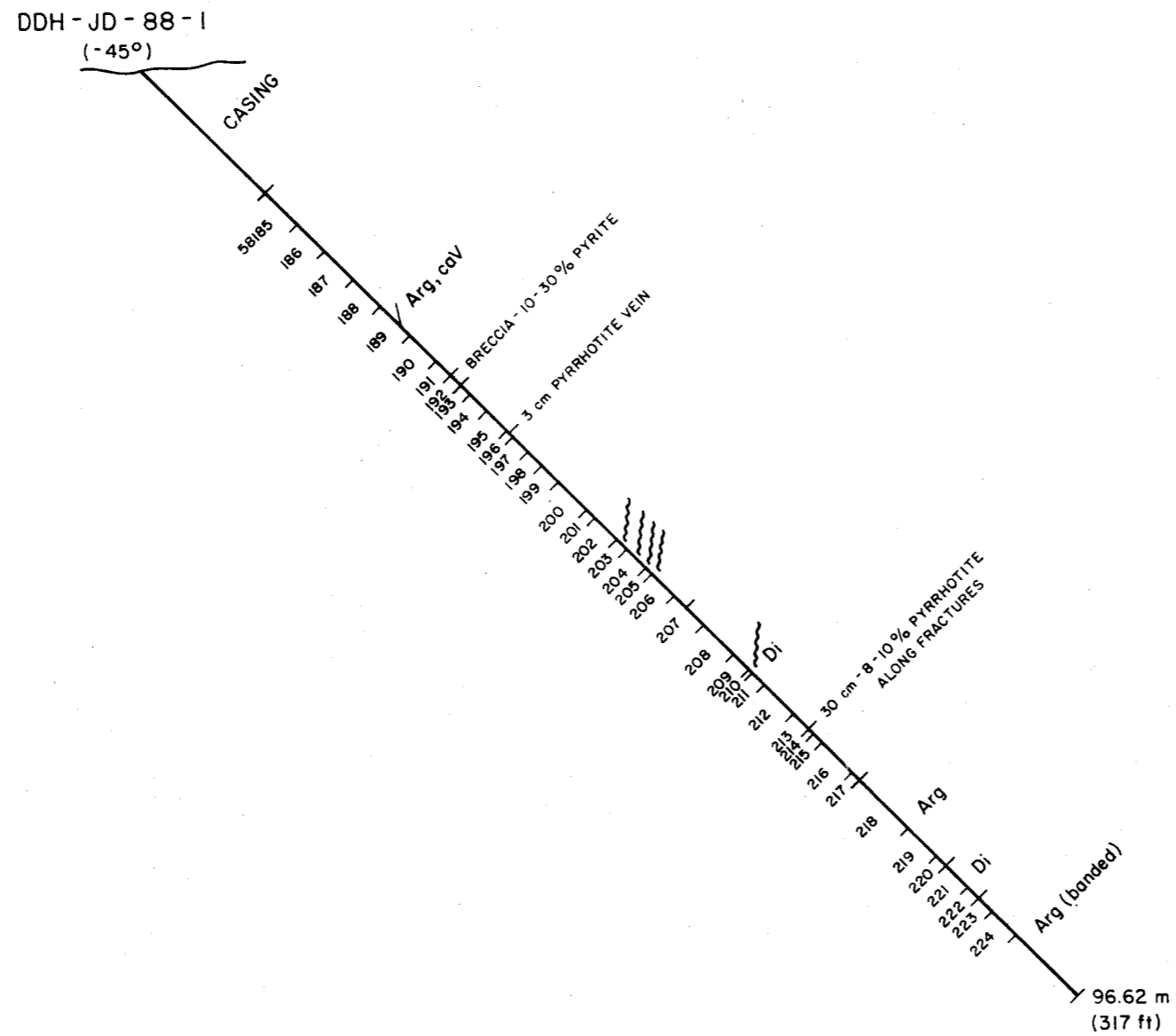
The argillite sequence is thinly bedded and often marked by a distinctly laminated appearance due to thin 1 cm thick light grey calcareous bands of tuff. This feature is not always present and many horizons have no tuff interbands.

The diorite dykes are fine grained, grey to brownish grey and often marked by small hornblende phenocrysts. The dykes are generally slightly mineralized with 0.5% pyrite both disseminated and along fractures.

The rocks intersected by the drilling were marked by pronounced fracturing. The fracturing appears to be randomly orientated and often includes pyrite and/or calcite veinlets. The pyrite-calcite veinlets contain variable amounts of calcite and sulphide varying in composition from calcite veinlets to massive sulphide veinlets. The veinlets are generally less than 0.25 cm thick but some do range up to 3 cm thick. Occasional veins also contain pyrrhotite and more rarely trace chalcopyrite. In addition a 1m wide zone of mineralized breccia containing 8-30% pyrite-pyrrhotite was also intersected (DDH JD-88-1 31.4-32.4).

The best intersections returned from the drilling include a gold value of 585 ppb Au returned from JD-88-1 (48.7-49.8m). This was returned from a sample of a fault zone marked by calcite veining.

A gold value of 610 ppb Au was returned from a 2 cm thick massive pyrite-pyrrhotite vein intersected in JD-88-2 (43.0-44.4m).

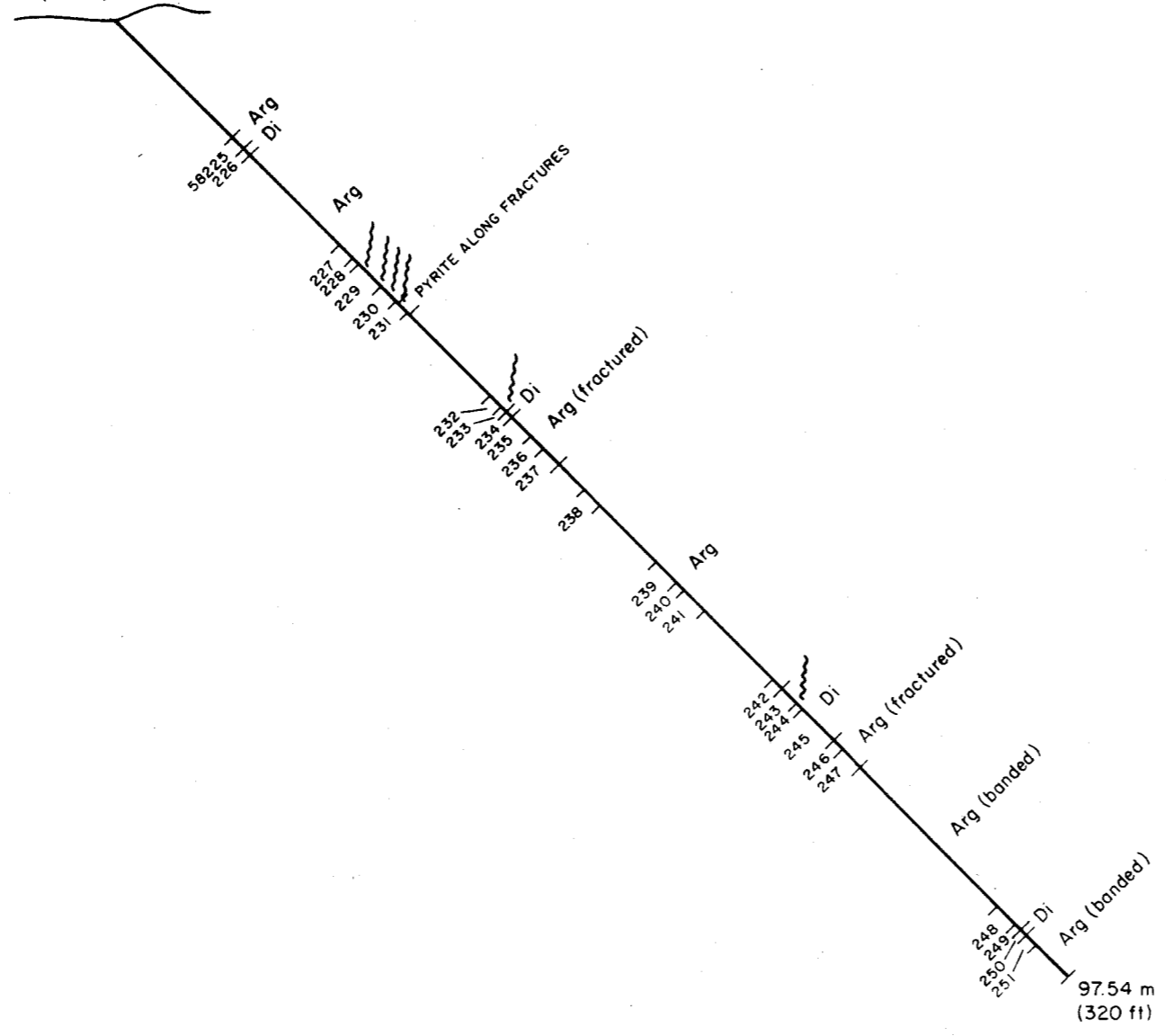


**LEGEND**

- caV CALCAREOUS ANDESITIC TUFF
- Arg ARGILLITE
- Di DIORITE
- BEDDING ORIENTATION
- FAULT
- SAMPLE No. 59185 SAMPLE INTERVAL

<b>IMPERIAL METALS CORPORATION</b>	
JAMBOREE	
FIGURE 6	N.T.S. 93 A/7 W
<b>DOREEN GRID DRILL PROFILE</b> DDH JD-88-1 (LOOKING NORTHWEST)	
SCALE: 1:500	GEOLOGIST: D. GORC
DATE: MARCH, 1989	DRAWN BY: J. CORKUM

DDH - JD - 88 - 2  
(-45°)



**LEGEND**

- caV CALCAREOUS ANDESITIC TUFF
- Arg ARGILLITE
- Di DIORITE
- BEDDING ORIENTATION
- FAULT
- SAMPLE INTERVAL

<b>IMPERIAL METALS CORPORATION</b>	
JAMBOREE	
FIGURE 7	N.T.S. 93 A/7 W
DOREEN GRID DRILL PROFILE DDH JD - 88 - 2 (LOOKING NORTHWEST)	
SCALE: 1:500	GEOLOGIST: D. GORC
DATE: MARCH, 1989	DRAWN BY: J. CORKUM

## 8.0 CONCLUSIONS

The drilling indicated that the induced polarization anomalies are due to widespread thin pyrite-pyrrhotite veinlets and rare small pods of sulphide breccias. No significant gold intersections were returned. Occasional intersections returning 100 ppb to 610 ppb from both fault structures and massive sulphide veins do indicate that there is some gold in the vicinity. The massive sulphide mineralization encountered in the drilling seems similar to the massive pyrite-pyrrhotite lodes discovered by Eureka Resources on their neighbouring Dor property. They state that such lodes contain sporadic gold values.

It would appear that the sulphide mineralization and numerous diorite dykes are due to either the nearby diorite stock, several hundred metres to the southwest, or another buried stock underlying Doreen Creek.

It is unclear whether the moderate to intense fracturing encountered in the drill core is also due to these intrusives or whether it is due to a major fault structure.

9.0 STATEMENT OF QUALIFICATIONS

I, DENNIS M. GORC, residing at 406-1176 Falcon Drive, in Coquitlam, British Columbia, V3E 2N0 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, N.W.T., 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:

2 day of May, 1989

  
\_\_\_\_\_  
DENNIS M. GORC  
IMPERIAL METALS CORPORATION

Vancouver, British Columbia

## 10.0 REFERENCES

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Assessment Report, March 25, 1982.
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Inc., August 25, 1987.
- Simpson, R.G., 1983  
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- Simpson, R.G., 1983  
Percussion Drilling Report on the Jamboree #8, 10 and 15  
Mineral Claims; in-house report, December 15, 1983.

A P P E N D I X     I

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COST STATEMENT

COST STATEMENT

Diamond Drilling  
Doreen Creek Area  
Jamboree Property, Cariboo M.D.

June 18, 1988 - July 11, 1988

Wages

D. Gorc	June 20, 22, 24-30		
	July 3-11, Sept. 28, 29, 1988		
	April 22, 23, 1989	\$4,500	
L. Lay	June 5-11, 18	<u>900</u>	\$5,400

Camp

Accommodation and Food	810	
Equipment and Supplies	700	
Truck - 14 days @ \$75/day	<u>1,050</u>	2,560

Diamond Drilling

637 feet NQ drilling	12,740	
Site preparation D-8 Cat (19 hr)	1,912	
Supplies for drill	1,722	
Assay costs - 67 core samples	<u>830</u>	17,204

Miscellaneous

Report, computer, drafting, etc.		2,000
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Cost Summary

Wages	\$ 5,400	
Camp	2,560	
Diamond drilling	17,204	
Report	<u>2,000</u>	
		<u>\$27,164</u>



A P P E N D I X    I I

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DRILL LOGS



JAMBOREE PROPERTY

JD-88-1

Page 2 of 4

From Meters	To Meters	Syb	Description	Smp. No.	From Meters	To Meters	Lgth.	Rec.	Analysis					
									Au ppb	Ag ppm	Cu ppm	Zn ppm	Au oz/tn	
			12.5-15.5 - all black argillite.											
			15.5-15.8 - grey tuff.											
			15.8-16.2 - argillite.											
			16.2-16.6 - grey tuff.											
			16.6-16.7 - argillite.											
			16.7-17.1 - grey tuff.											
			17.7-19.1 - argillite.											
			19.1-21.0 - grey tuff.											
			21.0-24.8 - argillite.											
			24.8-25.2 - grey tuff.											
			25.2-26.4 - argillite.											
			26.4-26.6 - grey tuff.											
			26.6-27.3 - argillite.											
			27.3-29.3 - grey tuff.											
			29.3-29.4 - argillite.											
			29.4-29.9 - grey tuff.											
			29.9-33.0 - argillite.											
			33.0-33.2 - grey tuff.											
			33.2-33.8 - argillite.											
			33.8-34.6 - grey tuff.											
			34.6-37.6 - argillite.	58191	30.1	31.4	1.3				14			
				58192	31.4	32.4	1.0				75			
		*	31.4-32.4 - 10-15% pyrite in breccias locally up to 30%, minor pyrrhotite,	58193	32.4	33.5	1.1				18			
			lower contact sharp at 30° to CA.	58194	33.5	35.3	1.8				40			
				58195	35.3	37.5	2.2				23			













A P P E N D I X    I I I

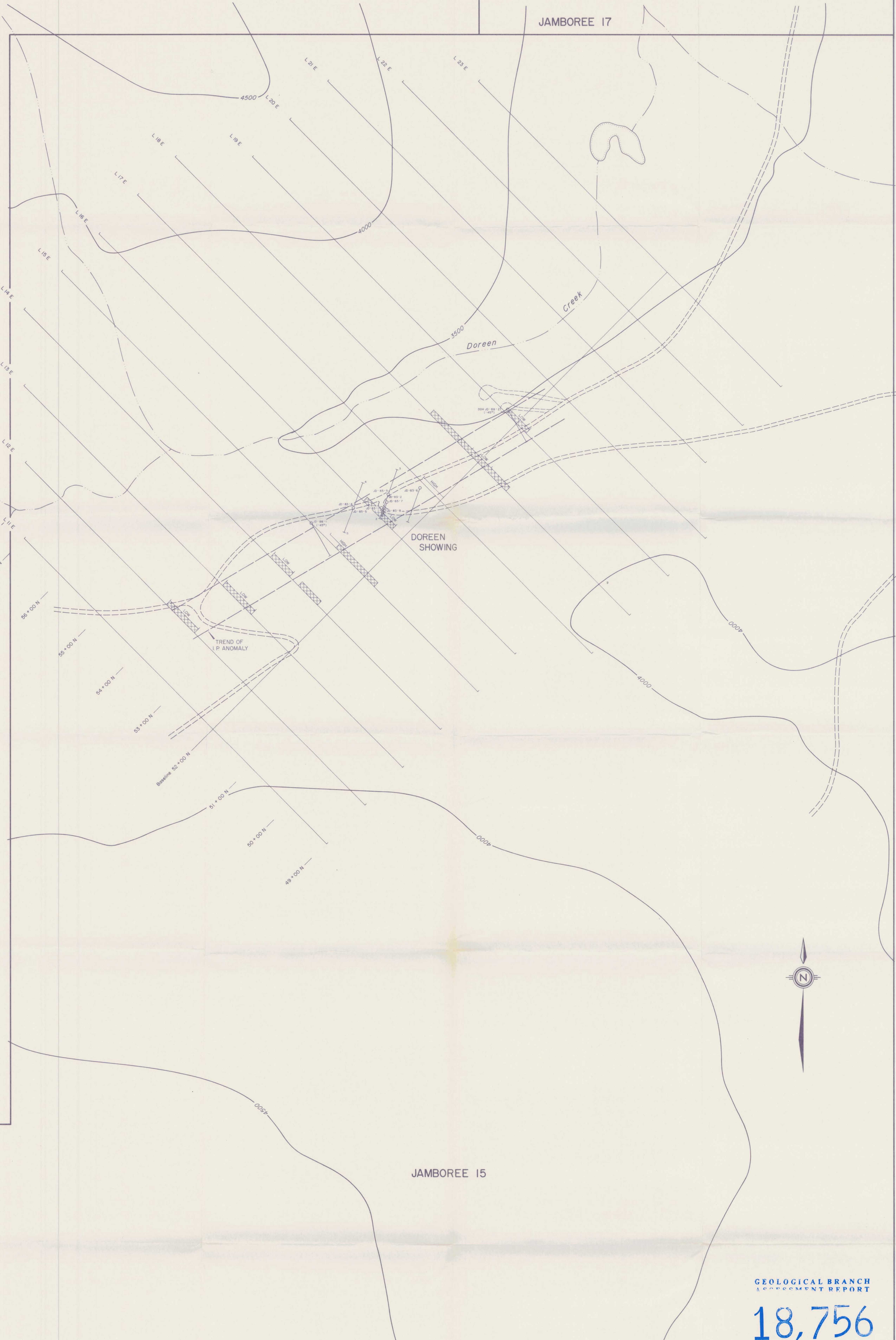
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GEOCHEMICAL RESULTS

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Cc 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
C 58181	1	464	8	33	.6	13	16	954	5.00	32	5	ND	5	776	1	2	2	57	5.94	.118	14	13	1.60	57	.01	3	1.84	.06	.14	4	5
C 58182	2	240	9	31	.2	16	16	835	5.10	10	5	ND	3	476	1	2	2	51	4.58	.117	12	18	1.57	61	.01	3	1.97	.04	.14	1	4
C 58183	1	682	9	44	.4	35	15	996	5.65	20	5	ND	2	524	1	2	4	153	5.18	.102	9	72	3.19	29	.01	4	3.29	.07	.07	2	4
C 58184	1	63	7	42	.2	45	19	1136	5.18	27	5	ND	1	515	1	2	2	53	4.89	.048	2	53	4.35	59	.01	6	1.90	.07	.14	1	3
C 58185	6	174	11	38	.4	32	16	575	5.01	2	5	ND	1	68	1	2	2	119	2.59	.108	7	22	1.18	51	.16	6	2.41	.04	.13	1	5
C 58186	6	146	12	42	.3	21	14	512	4.96	6	5	ND	1	61	1	2	2	101	3.17	.093	5	16	1.03	28	.14	2	2.56	.06	.10	1	1
C 58187	2	136	10	35	.2	22	16	558	4.69	2	5	ND	1	54	1	2	3	94	2.96	.106	5	25	1.12	38	.15	6	2.70	.06	.11	1	1
C 58188	1	138	9	28	.2	21	16	400	5.03	2	6	ND	1	29	1	2	3	96	1.52	.093	5	20	1.18	40	.14	7	2.36	.05	.14	1	18
C 58189	1	121	10	35	.1	16	14	406	4.47	3	5	ND	1	41	1	2	2	95	2.09	.095	5	15	1.08	52	.14	3	2.66	.04	.19	1	15
C 58190	1	118	6	36	.2	17	15	627	4.35	2	5	ND	1	77	1	2	2	84	2.58	.102	10	19	1.00	26	.09	2	2.05	.06	.12	1	10
C 58191	1	128	9	33	.3	17	15	509	4.88	5	5	ND	1	72	1	2	2	108	2.75	.104	7	18	1.16	37	.14	9	2.74	.06	.15	2	14
C 58192	2	103	12	36	1.5	19	16	567	6.04	56	6	ND	1	79	1	21	2	134	2.65	.096	7	24	1.47	45	.21	7	2.99	.06	.15	3	75
C 58193	2	148	9	35	.4	16	14	569	5.30	17	5	ND	1	120	1	2	2	115	2.84	.091	6	21	1.46	40	.16	4	2.61	.06	.14	2	18
C 58194	3	159	11	32	.1	20	15	469	5.19	5	5	ND	1	106	1	2	3	108	3.06	.101	6	19	1.16	27	.15	7	2.20	.05	.13	2	40
C 58195	5	158	9	33	.2	143	18	509	4.99	75	5	ND	1	98	1	5	2	98	2.41	.109	8	117	1.67	27	.13	5	2.26	.03	.13	1	23
C 58196	4	462	9	34	.3	90	24	509	6.92	3	7	ND	1	107	1	2	2	147	1.95	.136	8	68	2.03	39	.15	3	2.72	.07	.17	3	130
C 58197	1	280	10	48	.1	72	19	700	8.02	3	8	ND	2	101	1	2	3	151	1.86	.158	10	98	3.14	34	.15	2	3.63	.08	.17	1	54
C 58198	1	111	8	26	.2	17	11	377	4.71	2	6	ND	1	48	1	2	2	124	1.85	.092	6	22	1.40	36	.16	5	2.57	.08	.15	1	40
C 58199	2	158	9	29	.2	19	16	383	5.55	19	5	ND	1	51	1	2	2	108	1.95	.099	6	20	1.35	36	.15	6	2.57	.05	.15	1	31
C 58200	2	145	12	42	.1	19	17	550	5.58	2	5	ND	1	83	1	2	2	114	2.40	.111	6	20	1.23	39	.14	2	2.41	.04	.17	2	39
C 58201	1	171	11	39	.3	13	17	618	5.25	2	5	ND	1	111	1	2	2	113	2.98	.133	11	14	1.28	25	.12	5	2.48	.03	.14	1	350
C 58202	1	178	13	77	.1	17	16	771	5.29	5	5	ND	2	165	1	2	2	120	3.52	.135	13	18	1.59	36	.10	5	2.38	.06	.13	1	112
C 58203	2	128	11	45	.2	21	15	847	5.09	1654	5	ND	2	242	1	12	2	122	4.65	.104	10	28	1.56	121	.12	5	3.14	.07	.13	1	585
C 58204	1	118	11	55	.3	21	16	726	4.91	5	5	ND	1	143	1	2	2	128	3.25	.118	7	26	1.32	60	.21	3	2.77	.05	.14	1	13
C 58205	10	130	14	227	.4	42	14	527	4.56	16	5	ND	1	68	2	2	2	135	2.25	.098	8	39	1.25	46	.17	5	2.80	.05	.12	1	9
C 58206	6	127	12	163	.4	31	15	794	4.57	5	5	ND	1	82	2	2	2	140	3.00	.110	8	36	1.17	60	.17	6	2.82	.05	.15	1	6
C 58207	1	89	9	88	.2	66	15	804	4.06	34	5	ND	1	129	1	5	2	95	3.77	.104	9	47	1.23	75	.14	5	2.65	.03	.16	1	7
C 58208	1	76	8	39	.1	20	13	774	4.41	4	5	ND	2	208	1	2	2	111	4.02	.130	15	28	1.70	84	.10	4	2.48	.03	.14	1	22
C 58209	1	153	6	40	.2	9	16	809	5.07	19	5	ND	3	399	1	5	2	65	5.18	.137	13	3	.96	85	.01	9	1.69	.03	.23	1	9
C 58210	1	89	8	144	.4	31	14	1124	4.98	100	5	ND	2	323	1	20	2	79	4.63	.147	14	27	1.79	60	.01	8	2.24	.05	.27	1	55
C 58211	1	69	8	47	.2	13	16	1087	5.69	2	5	ND	2	226	1	2	2	146	4.20	.127	13	16	2.02	95	.12	3	2.63	.05	.14	1	20
C 58212	1	87	10	47	.1	11	16	1039	5.19	2	5	ND	2	213	1	2	2	134	4.02	.130	14	16	1.84	108	.11	5	2.67	.05	.12	1	15
C 58213	1	277	11	51	.5	36	30	1052	7.49	7	5	ND	1	176	1	2	2	137	3.70	.113	8	29	1.97	42	.14	5	3.31	.05	.09	1	63
C 58214	9	832	10	37	.5	22	65	565	12.15	2	8	ND	1	132	1	2	2	103	3.12	.083	6	26	1.57	63	.05	2	2.20	.02	.16	1	71
C 58215	1	231	9	34	.2	18	23	644	6.61	2	6	ND	1	122	1	2	2	118	3.08	.095	6	26	1.73	42	.18	6	2.50	.04	.17	2	19
C 58216	1	160	6	48	.3	10	16	608	5.27	2	5	ND	1	143	1	2	3	102	3.38	.123	10	14	1.50	61	.08	4	2.40	.03	.17	1	5
STD C/AU-R	18	57	38	131	6.5	67	28	1058	3.92	39	19	6	36	47	17	16	17	55	.46	.087	38	55	.90	174	.06	37	1.97	.06	.14	11	465

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Cc PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Tb PPM	Sr PPM	Co PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Hg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
C 58217	1	100	10	35	.1	4	16	573	4.15	5	5	ND	1	130	1	2	2	100	2.27	.138	7	6	1.07	50	.15	4	2.43	.03	.14	2	12
C 58218	4	125	13	76	.3	24	12	314	3.52	6	5	ND	1	99	1	2	2	69	2.34	.093	6	20	.73	32	.14	4	1.98	.01	.11	1	4
C 58219	4	115	13	93	.3	22	13	383	3.86	7	5	ND	1	48	1	2	3	71	1.72	.102	5	19	.81	45	.13	5	1.85	.02	.12	1	4
C 58220	2	96	9	31	.1	15	13	347	3.45	7	5	ND	1	59	1	2	3	57	1.66	.102	5	14	.71	67	.14	12	1.48	.04	.15	1	4
C 58221	1	76	7	30	.1	13	14	416	3.18	6	5	ND	1	83	1	2	3	63	1.87	.098	4	14	.75	61	.14	5	1.58	.03	.11	1	6
C 58222	1	106	6	25	.1	17	17	317	3.11	3	5	ND	1	60	1	2	2	55	1.97	.099	4	12	.43	50	.15	4	1.40	.03	.11	1	6
C 58223	3	92	7	44	.2	21	13	303	3.48	4	5	ND	1	66	1	2	2	67	1.68	.079	5	21	.55	63	.12	5	1.48	.05	.15	1	2
C 58224	1	87	9	86	.1	20	12	356	3.96	11	5	ND	1	42	1	2	2	62	1.12	.070	4	23	1.07	50	.11	2	2.07	.05	.14	1	1
C 58225	4	95	11	125	.5	20	12	582	3.72	8	5	ND	1	152	1	2	3	57	3.32	.078	6	12	.78	79	.17	4	1.41	.02	.13	1	1
C 58226	4	72	13	101	.4	15	16	1099	5.08	12	5	ND	1	123	1	2	3	85	3.76	.083	6	16	1.56	76	.20	5	2.44	.01	.13	1	1
C 58227	6	103	17	248	.6	26	12	502	3.82	11	5	ND	1	98	3	3	2	56	2.77	.065	6	17	.69	87	.21	3	1.22	.03	.18	1	1
C 58228	2	96	13	92	.4	16	13	736	4.19	14	5	ND	1	969	1	3	2	53	2.12	.074	6	11	1.05	66	.21	3	2.11	.04	.18	1	1
C 58229	4	74	13	119	.3	23	11	654	3.27	5	5	ND	1	157	1	2	3	67	3.87	.075	7	17	.87	82	.18	9	1.92	.02	.14	1	12
C 58230	3	98	13	94	.5	20	11	621	3.63	6	5	ND	2	130	1	2	4	42	3.40	.094	8	9	.69	79	.15	4	1.39	.02	.14	1	2
C 58231	2	81	13	82	.4	12	9	749	3.14	12	5	ND	1	138	1	2	2	35	3.36	.109	9	7	.71	101	.15	10	1.52	.03	.16	1	6
C 58232	6	107	14	150	.5	25	11	323	3.27	8	5	ND	1	86	2	2	3	35	2.46	.090	8	5	.33	94	.13	20	.92	.02	.18	1	8
C 58233	7	132	14	92	.6	32	12	586	3.76	14	5	ND	2	155	1	2	2	48	3.49	.091	10	9	.57	99	.12	18	1.43	.03	.17	1	1
C 58234	1	68	11	61	.1	9	19	1327	5.55	17	5	ND	1	206	1	2	3	116	4.41	.098	7	9	1.80	64	.04	6	2.57	.04	.12	1	2
C 58235	3	136	10	27	.3	10	8	649	4.01	6	5	ND	1	176	1	2	2	21	4.06	.088	9	6	.54	96	.03	12	1.04	.02	.22	1	4
C 58236	1	260	17	32	.8	12	15	717	6.06	205	7	ND	1	299	1	2	3	15	6.73	.048	6	6	.35	64	.07	4	.90	.01	.16	2	610
C 58237	2	183	12	31	.5	14	9	709	4.32	22	5	ND	1	132	1	2	2	15	4.13	.069	7	10	.40	80	.10	6	.89	.01	.20	1	129
C 58238	2	54	10	116	.2	12	7	464	2.61	9	5	ND	1	98	1	2	2	28	2.38	.090	7	10	.56	90	.11	12	1.18	.03	.14	1	5
C 58239	2	79	12	79	.3	21	9	367	3.02	11	5	ND	1	69	1	2	2	42	1.61	.075	6	17	.59	84	.13	12	1.25	.01	.16	1	1
C 58240	8	76	13	96	.5	19	9	488	3.07	14	5	ND	1	137	1	3	2	46	4.24	.084	5	12	.49	64	.11	3	1.39	.01	.11	1	13
C 58241	2	95	16	103	.6	17	12	552	3.60	11	5	ND	1	162	1	2	3	39	2.87	.084	7	10	.71	78	.15	4	1.29	.02	.17	1	28
C 58242	13	71	11	125	.3	21	11	588	3.25	14	5	ND	1	180	2	2	3	45	4.42	.062	4	8	.58	68	.15	7	1.01	.01	.14	1	10
C 58243	2	66	10	60	.5	14	12	794	4.18	15	5	ND	1	159	1	2	2	56	3.60	.080	6	12	1.12	58	.19	14	1.84	.02	.13	1	12
C 58244	4	51	8	99	.4	20	7	629	2.41	13	5	ND	2	316	1	2	2	30	5.93	.051	5	12	.48	81	.07	3	.94	.01	.14	1	1
C 58245	1	103	24	96	.4	18	18	1660	5.39	25	5	ND	1	270	1	2	2	110	5.80	.073	6	39	1.94	45	.09	3	2.64	.02	.15	1	23
C 58246	3	151	28	138	.7	16	15	869	4.87	13	5	ND	1	216	1	2	2	55	4.13	.062	6	15	1.04	52	.01	15	1.60	.01	.15	1	21
C 58247	6	121	19	67	.6	34	18	941	5.04	15	5	ND	2	238	1	3	3	72	4.25	.084	7	26	1.42	71	.09	8	2.25	.01	.17	1	1
C 58248	2	83	10	52	.4	17	13	786	4.00	11	6	ND	1	128	1	2	2	57	3.02	.070	7	19	1.11	77	.17	3	1.93	.01	.15	1	2
C 58249	1	67	31	34	.5	15	10	723	3.21	11	5	ND	1	112	1	2	3	36	2.53	.062	6	14	.79	87	.16	5	1.49	.02	.18	1	4
C 58250	1	69	41	195	.4	19	15	1419	4.37	13	5	ND	2	219	1	2	2	86	6.19	.066	5	31	1.20	59	.17	7	2.18	.01	.11	1	11
C 58251	5	99	13	113	.4	24	14	758	4.18	15	5	ND	1	135	1	2	2	69	2.95	.084	8	21	1.12	87	.15	6	2.14	.01	.16	1	2
STD C/AU-R	17	58	40	130	6.7	67	28	1061	3.97	39	20	6	36	48	17	17	21	56	.48	.087	39	55	.91	174	.06	36	1.98	.06	.14	12	515

JAMBOREE 17



JAMBOREE 15



GEOLOGICAL BRANCH  
AGGREGATION REPORT  
**18,756**

LEGEND

- |                               |                              |                          |
|-------------------------------|------------------------------|--------------------------|
| RESISTIVITY LOW CHARGEABILITY | INDUCED POLARIZATION ANOMALY | PROPERTY BOUNDARY        |
| 1983 AND 1988 DRILLING        | ROAD                         | STREAM                   |
|                               |                              | ELEVATION CONTOUR (FEET) |

IMPERIAL METALS CORPORATION  
JAMBOREE  
CARIBOO M.D., B.C.

FIGURE 5 NTS 93A 7W

**DDH LOCATION MAP**  
1988 DRILLING  
DOREEN CREEK AREA

metres 0 50 100 150 200 250

SCALE 1:2500 GEOLOGIST: D. GORC  
DATE FEBRUARY, 1989 DRAWN BY: J. CORKUM