

ARIS SUMMARY SHEET

District Geologist, Smithers

Off Confidential: 90.03.10

ASSESSMENT REPORT 18536

MINING DIVISION: Omineca

PROPERTY: Joana

LOCATION: LAT 57 26 00 LONG 127 05 00  
UTM 09 6367034 615072  
NTS 094E06E

CAMP: 051 Toodoggone Camp

CLAIM(S): Joanna III-IV

OPERATOR(S): Int. Damascus Res.

AUTHOR(S): Adamec, J.D.

REPORT YEAR: 1989, 41 Pages

COMMODITIES

SEARCHED FOR: Gold, Silver, Lead

KEYWORDS: Jurassic, Takla Group, Hazelton Group, Toodoggone Volcanics  
Feldspar Porphyry, Malachite, Galena

WORK

DONE: Geochemical

ROCK 52 sample(s) ;AG,AS,CU,NI,PB,ZN,AU

SOIL 177 sample(s) ;AG,AS,CU,NI,PB,ZN,AU

Map(s) - 1; Scale(s) - 1:10 000

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**GEOLOGICAL AND GEOCHEMICAL REPORT**

ON THE

**JOANNA III AND IV MINERAL CLAIMS**

Toodoggone River Area, B.C.

Omineca Mining Division

NTS 94 E/6

Latitude: 57° 26'N  
Longitude: 127° 65'W

FOR

**INTERNATIONAL DAMASCUS RESOURCES LTD.**  
810 - 625 Howe Street  
Vancouver, B.C.  
V6C 2T6

BY

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Vancouver, B.C.  
V7Y 1G5



December 1988

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,536



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**SUMMARY**

The Joanna property is situated in the Toodoggone River area of north central British Columbia, approximately 340 km north of Smithers. Access is by fixed-winged aircraft and helicopter. The Omineca Resource Road has recently been completed to allow overland access to the Toodoggone area.

The Joanna property claims (the Joanna III and Joanna IV) comprise a total of 40 claim units covering some 10 square kilometers in the Omineca Mining Division. The claims are owned by International Damascus Resources Ltd.

The Toodoggone River area has been intensively explored since the late 1960's, resulting in the discovery of a number of significant precious metal deposits. More than thirty companies, including many major mining companies, are now actively exploring or holding ground in the Toodoggone River area.

In August 1988, Hi-Tec Resource Management Ltd. conducted a geological and geochemical examination of the subject property on behalf of International Damascus Resources Ltd. Most of the work was confined to the alpine areas.

The claims are underlain by rocks of the Toodoggone Volcanics in fault contact to the north with Tertiary volcanics of the Takla Group and separated from an intrusive unit to the south by a minor northwest-trending fault zone which may crosscut the southwestern corner of the property. The geology is favourable for precious and base metal mineralization since most



mineral occurrences in the Toodoggone area occur within the Toodoggone Volcanics and are associated with faults.

The 1988 exploration program resulted in the discovery of very strong precious and base metal rock and soil anomalies in association with quartz veining. Rock samples returned values of up to 7.8 g/t (0.22 oz/t) gold, 90.0 ppm (2.6 oz/t) silver, and 1.13% copper.

The property definitely has the potential to host significant precious metal epithermal mineralization similar to major discoveries in the Toodoggone area, and additional exploration is warranted. A \$100,000 combined geological, geochemical, and geophysical exploration program is recommended to test the potential of the Joanna property.



## 1.0 INTRODUCTION

At the request of International Damascus Resources Ltd., Hi-Tec Resource Management Ltd. conducted a mineral exploration program on the Joanna III and Joanna IV claims in the Toodoggone River Area in August, 1988. This program consisted of limited geological mapping, prospecting, and rock and soil sampling.

The report summarizes the results of the exploration program, including sample results and recommendations for further exploration of the property.

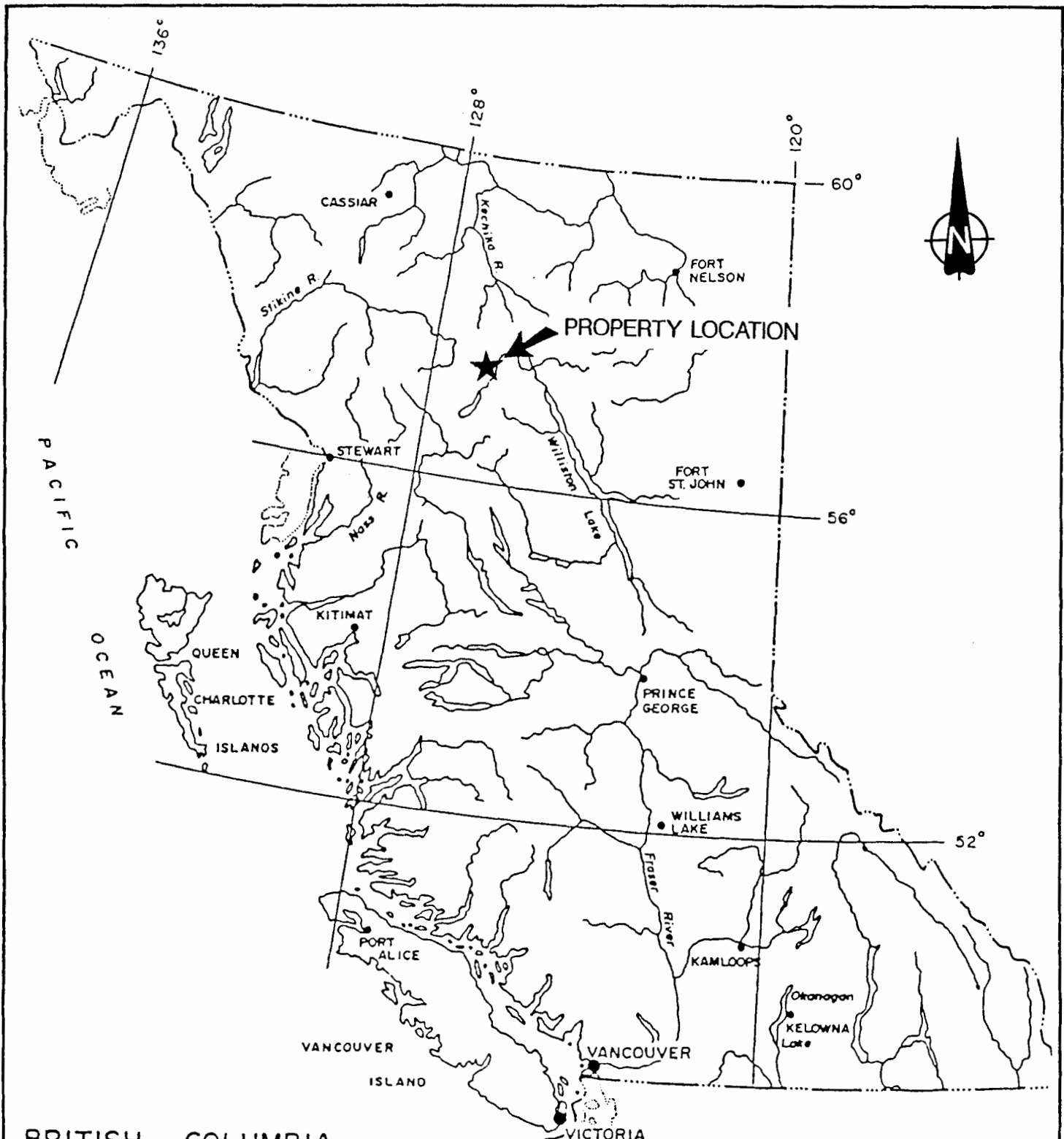
### 1.1 Location, Access and Physiography

The property is situated in the Toodoggone River Area, some 340 km north of Smithers, B.C. Approximate geographical coordinates are latitude  $57^{\circ} 26'$  north and longitude  $127^{\circ} 05'$  west on NTS map sheet 94E/6 (Figure 1).

Access is by fixed winged aircraft from Smithers to the Sturdee Airstrip or by the recently completed Omineca Mining Access Road to the Sturdee River Airstrip.

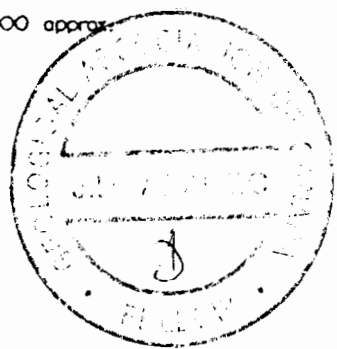
The claims are situated east of McClair Creek. Elevations on the property range from 1,350 to 2,180 metres above sea level, including the summit of Mt. Gordon. Part of the claim block lies above treeline, and the lower areas around McClair Creek are covered by scrub brush.





BRITISH COLUMBIA

Scale 1:7,500,000 approx.



INTERNATIONAL DAMASCUS RESOURCES LTD

JOANNA III and IV CLAIMS

GENERAL LOCATION MAP



HI-TEC  
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SCALE: As shown	N.T.S.: 94E/6	FIGURE No: <b>1</b>
OWN. BY: H.V.	DATE: Dec /1988	
CHKD. BY: D. Adamec	PROJECT No: 88BC 033	FILE No:

The terrain is moderately rugged with the non-vegetated areas consisting of exposed rock and/or scree material. Well developed soil horizons occur on the vegetated areas.

### 1.2 Property Status

The property consists of the Joanna III and IV modified grid mineral claims, comprising 40 claim units, situated on Belle Creek in the northern part of Omineca Mining Division, B.C. (Figure 2).

The pertinent claim data is as follows:

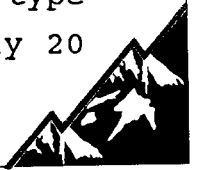
<u>Claim Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Record Date</u>
Joanna III	6941	20	March 25, 1985
Joanna IV	6942	20	March 25, 1985

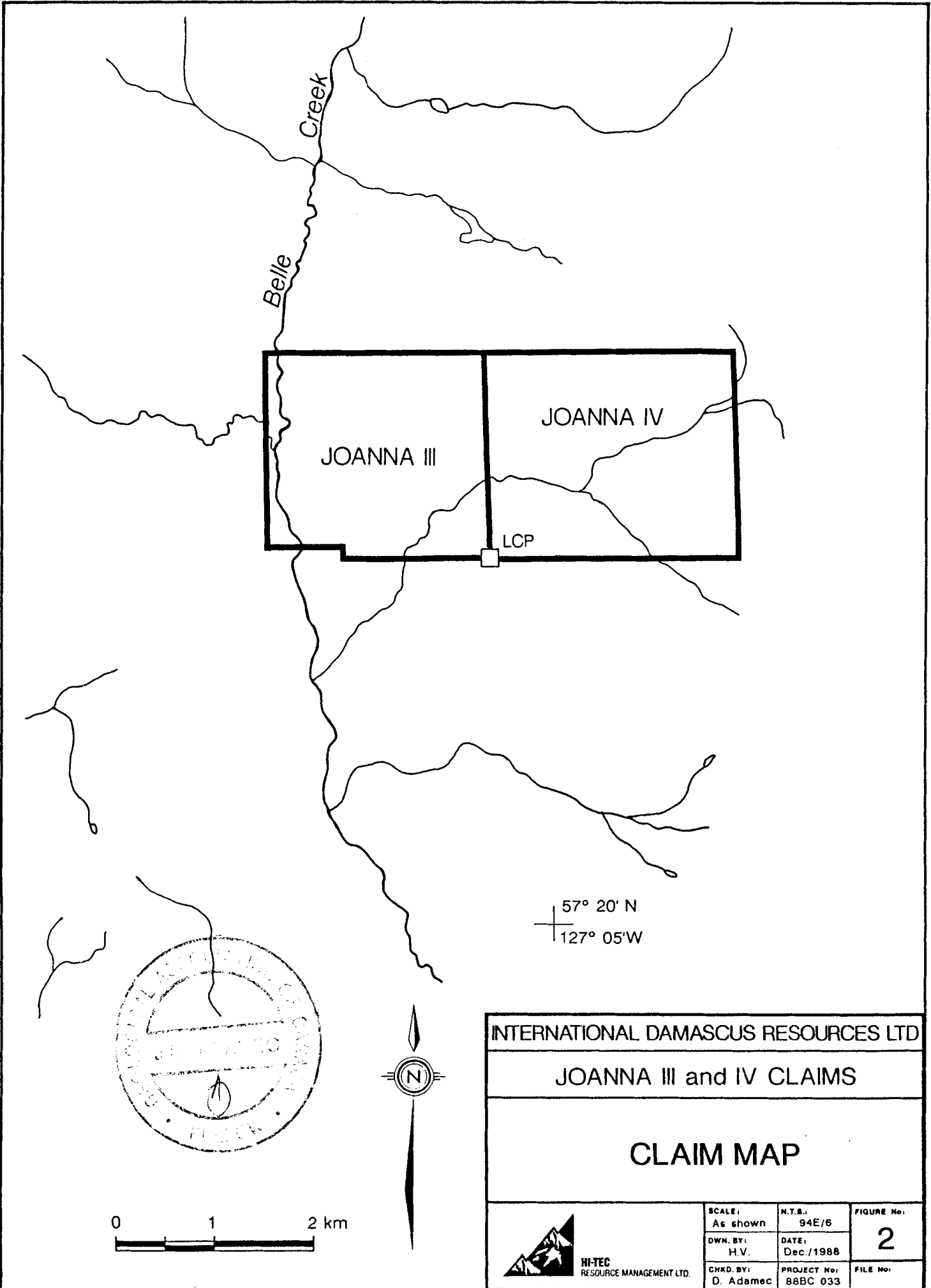
The claims are owned 100% by International Damascus Resources Ltd.

### 1.3 History and Previous Work

The earliest record of exploration and mining in the area are related to placer mining activities on McClair Creek and the Toodoggone River in 1930. These records indicate that minor amounts of gold were taken out of the Toodoggone River area. There was sporadic exploration for gold, copper, lead and zinc between 1934 and 1960.

The Toodoggone gold belt was explored in the late 1960's for base metal deposits associated with Omineca intrusive-driven porphyry environments, and later in the 1970's for precious metal epithermal vein-type deposits. Within a northwest trending belt roughly 20





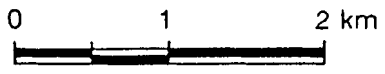
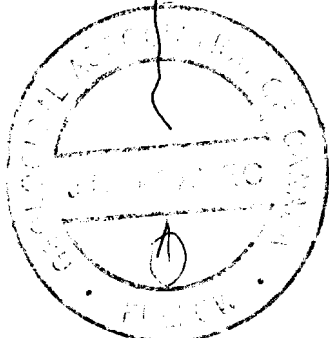
Belle  
Creek

JOANNA III

JOANNA IV

LCP

57° 20' N  
127° 05' W



INTERNATIONAL DAMASCUS RESOURCES LTD  
JOANNA III and IV CLAIMS  
CLAIM MAP



HI-TEC  
RESOURCE MANAGEMENT LTD.

SCALE: As shown	N.T.S.: 94E/6	FIGURE No: <b>2</b>
DWN. BY: H.V.	DATE: Dec./1988	
CHKD. BY: D. Adamec	PROJECT No: 88BC 033	FILE No:

km wide and 100 km long, four sizeable deposits have been defined, two of which achieved production. A summary of these properties is presented in Table I.

Table I. Production and Reserves, Toodoggone gold camp.

<u>Company Name</u>	<u>Property Name</u>	<u>Reserves (tons)</u>	<u>Gradesg/t(oz/t)</u>	
			<u>Au</u>	<u>Ag</u>
Cheni Gold Mines Ltd.	Lawyers	1,937,000	6.71 (0.196)	243.3 (7.10)
Multinational Resources Inc.	Baker (Chapelle)	85,500	15.00 (0.44)	297.8 (8.68)
Energex Minerals	AL, Moose, JD	360,000	9.94 (0.29)	---
International Shasta	SHAS  (inc.)	2,400,000	2.7 (0.079)	---
		520,000	5.9 (0.172)	---

The first three properties lie south of the Joanna property between the Toodoggone River and Sturdee Airstrip. The AL property deposits lie west of the subject property. Energex recently reported a new discovery on JD claims, which lie immediately to the southwest of the Joanna III and IV claims. "A high grade gold and silver discovery has been found on the JD property, part of the company's wholly owned Toodoggone project in north-central British Columbia where the company recently completed a \$1.6 million exploration program. An extensive geochemical survey was followed up by trenching and sampling on the JD claims. A well mineralized fault was trenched and sampled over a strike length of 5,000 feet. Broad widths of gold and silver mineralization were discovered at the JD west zone and the Finn zone, in an



area of a very large coincident geophysical-geochemical anomaly measuring approximately 1,300 by 2,000 feet and open in all directions." (Birkeland, 1988)

Kidd Creek Mines Ltd. has conducted surface exploration on the Gas claims to the west of the Joanna property and Multinational Resources Inc. completed reconnaissance stream sediment, rock and contour soil sampling on the Falcon and Peregrine claims immediately south of the Joanna III and IV claims. On the subject claims, a reconnaissance soil and stream sediment survey was completed in 1985 and in 1986, a program of soil, silt geochemistry, rock sampling, mapping and geophysical surveying was completed.

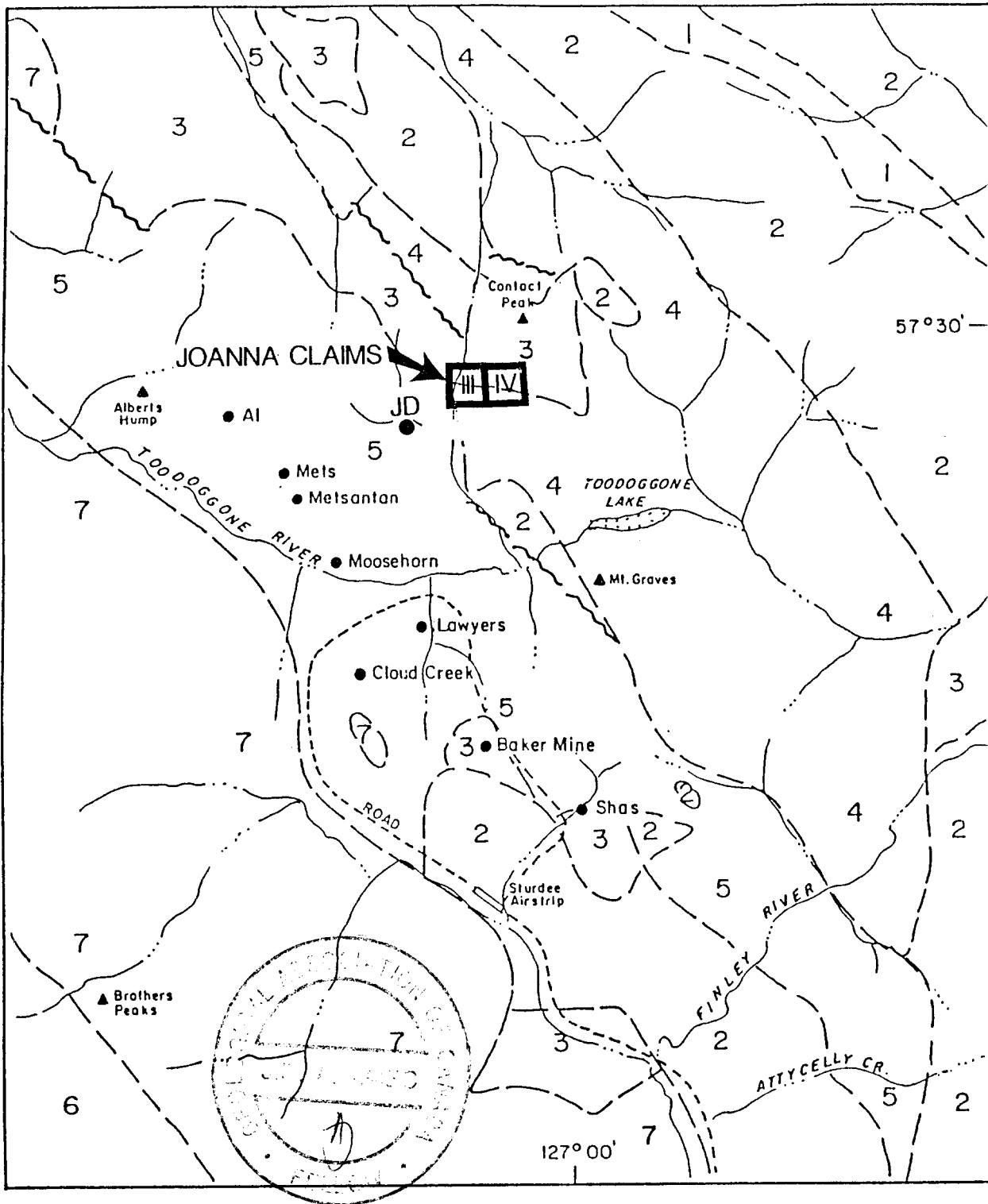
The 1988 program has delineated several areas of interest including a gold and silver geochemical anomaly coincident with a VLF-EM conductor. Anomalous precious metal values were noted in stream sediments and rock samples.

## 2.0 REGIONAL GEOLOGY AND MINERALIZATION

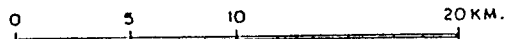
The Toadogone River precious metal district lies in a northwesterly trending belt near the eastern margin of the Intermontane Belt, which is a major tectonic feature of central British Columbia (Figure 3). The Toadogone belt extends for more than 100 kilometers, from McConnell Creek to the Stikine River, and is approximately 20 kilometers wide. It is bounded on the west by the Stikine Plateau and on the east by the Omineca Mountains.


The rock types within the Toadogone belt are volcanic, sedimentary and intrusive. The Toadogone's numerous epithermal precious metal occurrences usually occur





- 7 SUSTUT GROUP: Tertiary - Cretaceous
- 6 BOWSER GROUP: Middle - Late Jurassic
- 5 TOODOGGONE VOLCANICS: Early Jurassic
- 4 HAZELTON GROUP: Early Jurassic
- 3 TAKLA GROUP: Late Triassic
- 2 OMINECA INTRUSIONS: Late Triassic - Early Jurassic
- 1 ASITKA GROUP: Permian
- APPROX. GEOLOGICAL CONTACT
- ~~~~ FAULT
- ..... MAJOR DRAINAGE
- MINERAL DEPOSIT



<b>INTERNATIONAL DAMASCUS RESOURCES LTD</b>			
<b>JOANNA III and IV CLAIMS</b>			
<b>REGIONAL GEOLOGY and MINERAL DEPOSITS</b>			
 <b>HI-TEC</b> RESOURCE MANAGEMENT LTD.	SCALE: As shown	N.T.S.: 94E/6	<b>3</b>
	DWN. BY: H.V.	DATE: Dec./1988	
	CHKD. BY: D. Adamec	PROJECT No: 88BC 033	FILE No:

within the Toodoggone Volcanics. The Baker deposit, however, as well as a number of other prospects, occur within Takla volcanic rocks, which unconformably underlie the Toodoggone Volcanics.

Other rocks in the area include Permian Limestones of the Asitka Group and Jurassic and Cretaceous Omineca Intrusions. The intrusive rocks range in composition from granodiorite to quartz granodiorite with quartz monzonite being most abundant. The intrusives are generally considered to be coeval with the Toodoggone Volcanics and were probably responsible for the circulation of hydrothermal fluids, believed to be a factor in localizing precious metal mineralization in the area (Schroeter, 1981).

Regional northwest trending faults are important factors in the development of gold-silver epithermal veins in the area. Many major deposits are located on or near a well-developed regional fault. These include the Chappelle (the Baker Mine orebody), and the Lawyers, Al, Mets, Metsantan, Moosehorn, Silver Pond, Marmot, and Perry Mason deposits. In addition to proximity to faults, siliceous volcanic centres, exhalative vents and zones of alteration are all important features of precious metal deposits within the volcanics.

### **3.0 PROPERTY GEOLOGY**

The Joanna III and IV claims are underlain by feldspar porphyry flows, tuffs and breccias and associated sediments of the uppermost unit of the Lower and Middle Jurassic Toodoggone volcanics (Figure 3). These are in fault contact with Upper Triassic augite porphyry basalt flows of the Takla Group to the north of the claim unit



and are separated from an intrusive unit to the south by a minor northwest-trending fault zone which may crosscut the southwestern corner of the property. The majority of mineral occurrences in the Toodoggone area occur within the Toodoggone stratigraphy and are associated with faults.

Previous mapping (Steel, 1986) on the Joanna III and IV claims revealed that the stratigraphy of a west-trending ridge on the Joanna IV claim is dominated by grey-green weathering plagioclase feldspar porphyry with small interbedded units of tan-orange, fine-grained, friable tuff and a blue-grey argillaceous rock. Contacts between units, where visible, are oriented almost due west and dip gently north. A large undulating well-bedded chert layer outcrops on the lower slopes and trends  $336^{\circ}$ . The ridge top is cut throughout its length by small faults, all trending north to northwest.

A west-trending ridge north of the valley on the Joanna IV claim is composed of plagioclase feldspar porphyry underlain by a marker bed of feldspar porphyry with biotite and hornblende in a purple siliceous matrix. This is in turn underlain by a massive, slightly foliated feldspathic breccia with angular to subrounded rock fragments. All units strike  $022^{\circ}$  to  $038^{\circ}$  and dip  $36^{\circ}$ - $52^{\circ}$  north. A well stratified section of chert and interbedded green tuff occurs at 1700 m elevation with similar strike and dip.

Three types of mineralization were observed on the property.

An orange-red weathering gossanous and silicified zone as well as malachite, galena and pyrite in silica-rich



volcanic rocks occurring on the flanks of the south ridge just above the valley and in the south cirque on the Joanna IV claim. Specular hematite up to 80-100% can be seen in outcrop at about 1700 m on the south ridge also. The north ridge shows several malachite-rich quartz stringers and veins up to 40 cm in width which can be followed on the surface up to 20 m. They generally strike north and dip steeply west and east. These veins usually occur at or near the contact between overlying volcanic breccia and andesite porphyry.

The best assay values to date from these veins were: 7.8 g/t gold (0.228 oz/t) across 15 cm, 90.0 ppm silver, 1.13% copper 1.06% zinc, with accessory lead, nickel and arsenic. The sample results show the presence of vein type precious metal mineralization on the property.

#### **4.0 GEOCHEMISTRY**

##### **4.1 The 1988 Work Program**

The 1988 field program was conducted between August 23 and August 25, 1988. The work consisted of three contour soil sampling lines at approximately 1400, 1800 and 1900 metre elevations and three grid fill-in soil sampling lines (Figure 4). Soil samples were taken at 50 metre intervals with a cast iron mattock from the "B" horizon where developed (generally from depths of 20 - 30 cm), and placed in numbered kraft paper bags. A total of 177 soil samples were taken from the property during the program.



A total of 52 rock chip and grab samples were collected while prospecting. Sample descriptions are given in Appendix II.

The bulk of the work was confined to the alpine areas.

The geochemical samples were shipped to Min-En Laboratories, 705 West 15th Street, North Vancouver, B.C. and analyzed for 6 elements by ICP and gold by fire geochemistry. Certificates of analyses and analytical methods are included in Appendices III and IV.

#### 4.2 Discussion of Results

Anomalous gold values from rocks (>1000 ppb) and soil (>15 ppb), anomalous silver values (>2.0 ppm) and anomalous copper values (>100 ppm) indicate two areas of interest on the Joanna IV claim (Figure 4). The first area lies on the southern side of the unnamed hill (south ridge). Within this area values up to 4.31 g/t gold, 3.1 ppm silver, 5.7% copper, with scattered values of lead to 155 ppm and molybdenum to 364 ppm were obtained from rocks samples. Three soil samples from this area exceeded 15 ppb Au and one 2 pmm Ag.

The second area of interest is on the southern side of the north ridge. A number of quartz veins were noted in this area. Four soils returned anomalous values up to 72 ppb gold. Very encouraging values were recorded from rock samples. Two samples (of 24 taken in the area) yielded over 3000 ppb gold including a sample with 7.8 g/t (0.22 oz/t). Very anomalous silver values up to 90.0 ppm were returned. Eleven of the 24 samples are anomalous (>2.0 ppm Ag). Thirteen samples were



anomalous in copper, returning values up to 1.13% Cu. There is slight correlation between silver and copper.

Zinc values varied from 42 to 10,614 ppm with only one sample considered anomalous (> 1000 ppm). Lead values were very spotty with a high value of 774 ppm.

## 5.0 CONCLUSIONS AND RECOMMENDATIONS

The Joanna III and IV mineral claims are situated in the Toodoggone River Area which is noted for epithermal gold-silver deposits and occurrences.

The claims feature varied geology including volcanic rocks of the Toodoggone, Hazelton and Takla groups, all of which are known to host precious metals mineralization elsewhere in the district.

Previous work in the area of the claims has indicated the presence of a gold and silver anomaly coincident with a VLF-EM conductor, both of which are open to the south and east.

A recent exploration program of the Joanna III and IV claims has defined strong precious and base metal rock and soil anomalies in association with some quartz veining. Gold values up to 7.80 g/t (0.228 oz/t) across 15 cm and silver values up to 90.0 ppm (90 g/t) were recorded from rock samples.

In addition, the existence of a high grade gold and silver discovery on the JD property, immediately southwest of the subject property and in a similar geological setting, is an encouraging factor.



The number, location and variety of anomalies on the Joanna III and IV claims indicate potential for the discovery of precious and base metal deposits. Additional work is warranted and recommended.

A \$100,000 program of detailed geological mapping, VLF-EM and magnetometer survey along with soil and rock geochemistry in the areas of interest defined during the 1988 program is recommended. This program would better define the geochemically anomalous areas as well as add valuable geophysical data to aid in the definition of future trench and drill targets.

#### 6.0 ESTIMATED COST OF PROPOSED PROGRAM

Project Preparation	\$	2,500.00
Mob/Demob	\$	20,000.00
Salaries:		
Geologist (15 days @ \$350.00/day)	\$	5,250.00
2 Technicians (2 x 1.5 days @ \$250 day)	\$	7,500.00
Cook (1.5 days @ \$200/day)	\$	3,000.00
Supervision	\$	1,600.00
Geophysics (35km @ \$400/km - VLF & MAG)	\$	14,000.00
Helicopter Support (8 hrs. @ \$800/hr)	\$	6,400.00
Geochemistry:		
150 rocks @ \$18/sample	\$	2,700.00
350 soils @ \$16/sample	\$	5,600.00
Domicile		
Camp (75 days @ \$95/day)	\$	7,125.00
Food (75 days @ \$8.35/day)	\$	2,625.00
Communications, Freight, Accounting	\$	2,200.00
Field Supplies	\$	600.00



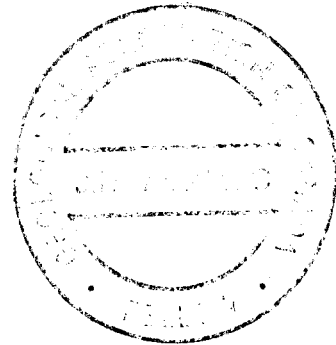
Field Equipment (75 mandays @ \$25/day)	\$ 4,875.00
Report	\$ 6,000.00
Project Management (15% of \$65,925.00)	<u>\$ 9,888.75</u>
	\$ 99,863.75
<b>SAY:</b>	<b>\$ 100,000.00</b>

Respectfully Submitted,

**HI-TEC RESOURCE MANAGEMENT LTD.**

*J. D. Adamec*

J. Duro Adamec, Ph.D., F.G.A.C.



**December, 1988**



**7.0 REFERENCES**

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**APPENDIX I**

**Statement of Qualifications**

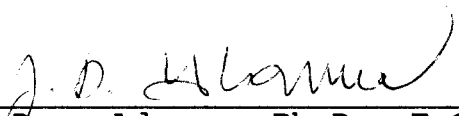


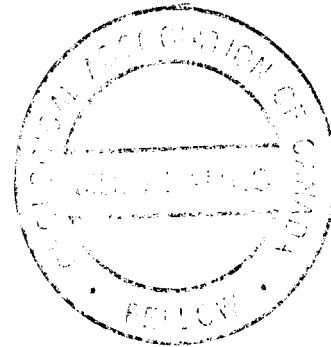
STATEMENT OF QUALIFICATIONS

I, J. Duro Adamec, of 1154 Premier Street, North Vancouver, B.C., hereby certify that:

1. I graduated in geology from Comenius University of Bratislava, Czechoslovakia (1978) and I hold a Ph.D. in Engineering Geology (1982) from the same University.
2. I am a Fellow, in good standing, of the Geological Association of Canada.
3. I have been practicing my profession in Europe, and North America since 1978.
4. The information contained in this report was obtained from field work conducted by myself and others in 1988.
5. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of a private or public financing.

Dated in Vancouver, B.C. this 29 day of December, 1988.

  
J. Duro Adamec, Ph.D., F.G.A.C.



**APPENDIX II**

**Rock Sample Descriptions**



## Rock Sample Descriptions

<u>Sample No.</u>	<u>*Sample Type</u>	<u>Width (cm)</u>	<u>Sample Description</u>
18427	R	180	Greenish grey, medium grained feldspar porphyry.
18428	R	50	Greenish grey, andesitic porphyry with extremely oxidized quartz veins (4cm).
18429	R	200	Greenish grey feldspar porphyry with abundant rust stains, 1-5% pyrite, chalcopyrite.
18430	R	200	Greenish feldspar porphyry with pyrite and hematite.
18431	R	50	Narrow (3 cm) quartz vein.
18432	R	100	Maroon feldspar porphyry with hematitic stain.
18433	R	250	Grey feldspar porphyry.
18434	R	150	Medium grained feldspar porphyry dyke.
18435	R	200	Rusty zone in andesitic porphyry, minor pyrite.
18436	R	200	Greenish andesitic porphyry? with rusty quartz-carbonate veins, minor malachite, pyrite.
18437	R	250	Very oxidized andesitic porphyry with hematite < 2%.
18438	R	50	Andesitic porphyry with hematite < 2%.
18439	R	200	Extremely rusty andesitic porphyry.
18440	R	100	Quartz veined andesite, very rusty, malachite 5% fine pyrite.
18441	R	200	Andesitic porphyry very rusty, 5% pyrite and chalcopyrite.
18442	R	150	Feldspar porphyry, medium grained, rusty.
18443	R	100	Medium grained andesitic porphyry, hematite, malachite < 5%.
18444	G	-	Medium grained feldspar porphyry with numerous quartz veins up to 5 cm

18445	R	100	1-5% pyrite, chalcopyrite, malachite. Very rusty, andesitic porphyry with hematite and malachite < 2%.
18446	R	200	Very rusty, medium grained porphyry.
18447	R	50	3 cm wide quartz vein in porphyry.
18448	R	50	Rusty andesitic porphyry with 1-5% pyrite, chalcopyrite.
18449	R	300	Very rusty andesitic porphyry.
18450	R	200	Very oxidized quartz vein (25 cm) 1-5% pyrite.
18451	R	50	Very rusty quartz vein.
18452	R	100	Quartz veins with minor pyrite and malachite.
18453	R	150	Rusty medium grained feldspar porphyry.
18454	R	200	Very rusty feldspar porphyry with 1-5% pyrite and chalcopyrite.
33211	R	20	Greenish porphyritic andesite, epidotized chalcopyrite, pyrite < 2%.
33212	R	25	Greenish grey andesitic porphyry, rusty.
33213	R	20	Buff, andesitic porphyry with quartz veins (3 cm) malachite, pyrite, chalcopyrite < 5%.
33214	R	15	Quartz vein, bit rusty.
33215	R	10	Quartz vein at the contact, porphyry and breccia, malachite, pyrite 2%.
33216	R	20	Quartz vein with malachite 2%.
33217	R	25	Purple, medium volcanic breccia.
33218	R	15	Quartz vein in the light grey, fine grained tuff, 10 m long, malachite, pyrite <2%.
33219	R	20	Quartz vein.
33220	R	25	Brown, andesitic porphyry with pyrite, chalcopyrite < 5%.
33221	R	25	Dark grey porphyry with malachite, pyrite and chalcopyrite.

33222	R	15	Quartz vein, 10 m long at the contact volcanic breccia and porphyry, malachite, pyrite, chalcopryrite < 5%.
33223	G	-	Brown, iron stained quartz, malachite, pyrite.
33224	R	15	Reddish, very fine tuff.
33225	R	25	Quartz veins (3-5 cm) in the volcanic breccia, chalcopryrite, bornite, malachite.
33226	R	5	Quartz vein, malachite 2%.
33227	R	20	Pink porphyritic tuff, fine grained.
33228	G	-	Light brown porphyry with malachite < 2%.
33229	R	40	Quartz vein with chalcopryrite, malachite, azurite < 5%.
33230	R	20	Greenish quartz vein.
33231	R	150	Greenish quartz vein (3 cm) in purple volcanic breccia.
33232	G	-	Dark grey epidotized porphyry.
33233	R	20	Dark grey porphyry with quartz stringers.
33234	R	25	Light pink porphyry, rusty, minor pyrite.

**\*Note**

R - Rock chip samples

G - Grab samples

**APPENDIX III**

**Analytical Methods**



## GEOCHEMICAL RESULTS AND LABORATORY ANALYTICAL METHODS

After initial preparation, all samples were analyzed by the Inductively Coupled Plasma (ICP) method for Ag, As, Cu, Pb, Sb and Zn. Gold was determined by the fire assay and atomic absorption method.

After drying soil and stream sediment samples at 95°C, they were screened with an 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. For some of the silt samples, 40 mesh or 20 mesh sieves were used. Rock samples were put through a jaw crusher and a ceramic-plotted pulverizer.

For ICP analyses, 1.0 gram of sample material was digested for 6 hours with a hot HNO<sub>3</sub> - HClO<sub>4</sub> mixture. After cooling, samples were diluted to a standard volume. The solutions were then analyzed by a computer-operated Jarrell Ash ICP Analyzer. Reports are formatted by a route computer dotline printout.

For Au analyses, a suitable sample weight of 15 or 30 grams was fire assay preconcentrated. Samples were then digested with an Aqua Regia solution and then taken up to suitable volume by adding a 25% HCl solution. Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with methyl isobutyl ketone. Gold is analyzed by Atomic Absorption instruments using a suitable standard solution. The detection limit is 1 ppb.

## *MIN-EN Laboratories Ltd.*

*Specialists in Mineral Environments*

Corner 15th Street and Bewicke  
705 WEST 15TH STREET  
NORTH VANCOUVER, B.C.  
CANADA V7M 1T2

### FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95<sup>o</sup>C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

**APPENDIX IV**

**Geochemical Data**



PROJECT NO: JOANNA 88BC033

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: B-1400/P1+2

ATTENTION: V.KURAN

(604)980-5814 OR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: SEPTEMBER 9, 1988

(VALUES IN PPM)	AG	AS	CU	NI	PB	ZN	AU-PPB
32287	.9	25	25	8	33	144	2
32288	.6	25	57	12	32	155	6
32289	.5	24	63	15	150	209	8
32290	.6	31	29	15	23	100	10
32291	.3	34	28	8	24	108	5
32292	.5	30	40	14	8	112	8
32293	.7	29	35	10	22	129	7
32294	.6	26	49	16	24	105	12
32295	.5	16	45	22	13	99	2
32296	.8	1	28	10	30	110	3
32297	.3	15	42	8	35	100	2
32298	.6	23	60	15	32	120	4
32299	.6	23	45	16	21	129	4
32300	1.5	33	137	3	73	120	15
33001	.4	27	28	8	52	65	5
33002	1.0	32	25	4	37	136	3
33003	1.4	26	28	6	39	155	4
33004	.7	30	19	5	54	103	5
33005	1.1	1	30	6	60	168	2
33006	1.8	22	38	12	50	181	2
33007	.9	6	19	8	12	109	1
33008	.5	27	13	5	13	110	8
33009	.6	24	17	6	12	116	6
33010	1.0	1	16	6	18	94	4
33011	.6	2	17	7	25	80	6
33012	.8	18	19	9	23	84	7
33013	.8	24	13	6	20	79	2
33014	.4	22	17	8	5	71	2
33015	.9	12	18	10	18	83	7
33016	1.0	24	18	10	21	84	3
33017	.7	25	22	14	9	76	5
33018	.4	31	20	10	7	103	2
33019	.4	19	15	7	7	79	3
33020	.4	30	16	6	13	62	1
33021	.7	6	16	7	10	86	1
33022	.4	28	17	7	5	75	3
33023	.4	1	18	8	9	93	2
33024	.5	28	20	9	17	132	2
33025	.4	30	39	8	20	101	1
33026	.8	4	25	9	13	112	4
33027	.5	1	43	8	30	115	1
33028	.4	1	44	8	9	110	2
33106	.5	13	74	4	6	128	3
33107	.8	28	98	1	40	104	51
33108	.7	32	43	1	33	86	3
33109	.8	29	45	2	31	95	2
33110	.7	30	40	2	21	86	2
33111	.6	20	31	5	15	98	36
33112	.8	1	25	1	32	68	2
33113	2.9	22	253	1	61	260	49
33114	.4	4	133	6	14	60	1
33115	.4	20	14	1	57	141	2
33116	.7	1	38	5	21	120	1
33117	.4	1	14	3	14	90	1
33118	.6	1	100	3	19	103	1
33119	.8	16	79	2	26	107	3
33120	.5	1	13	2	15	53	2
33121	.6	13	90	1	28	131	1
33122	.4	28	31	3	11	90	1
33123	.4	2	20	3	19	119	2

PROJECT NO: JOANNA 88BC033

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1400/P3+4

ATTENTION: V.KURAN

(604)980-5814 DR (604)988-4524

\* TYPE SOIL GEOCHEM \*

DATE: SEPTEMBER 9, 1988

(VALUES IN PPM)	AG	AS	CU	NI	PB	ZN	AU-PPB
33124	.8	7	28	4	14	116	1
33125	.6	1	243	3	7	116	2
33127	.5	2	29	6	6	125	1
33128	3.0	10	184	4	118	1004	5
33129	.4	7	32	5	12	102	1
33130	1.2	7	170	4	39	136	10
33131	.7	37	24	14	11	154	2
33132	.6	11	28	19	14	175	1
33133	.5	11	17	9	8	162	3
33134	.9	29	33	8	21	161	2
33135	.8	7	26	5	68	149	1
33136	.7	17	30	7	42	173	2
33137	.5	1	26	5	70	261	1
33138	.6	21	33	8	68	249	1
33139	.4	4	23	6	40	199	1
33140	.7	19	23	7	40	229	1
33141	.3	16	24	9	26	152	4
33142	.4	19	25	10	43	314	1
33143	.4	26	20	7	24	155	5
33144	.9	22	20	5	40	153	1
33145	.8	10	20	7	22	148	2
33146	.3	16	20	5	19	146	1
33147	2.3	33	21	3	37	161	3
33148	.8	21	19	6	17	106	1
33149	.7	2	32	3	56	141	2
33150	1.0	16	33	4	57	128	2
33251	.9	13	61	14	35	134	4
33252	1.2	18	53	15	14	110	2
33253	.9	27	44	11	9	90	3
33254	.5	21	72	5	89	99	1
33255	.6	24	26	6	30	91	18
33256	.4	24	22	9	21	77	5
33257	.6	6	49	12	49	100	4
33258	.5	17	37	8	11	103	2
33259	.4	6	20	7	41	119	6
33260	.6	13	101	9	8	107	2
33261	.5	5	60	6	19	124	3
33262	.3	11	92	5	14	98	2
33263	.3	35	28	9	11	81	7
33264	.5	1	21	8	16	121	4
33265	.6	1	42	9	9	107	2
33266	.6	37	14	8	12	98	2
33267	.5	16	20	9	8	88	1
33268	.4	18	20	4	18	111	3
33269	.6	26	27	10	9	108	2
33270	.5	21	17	6	15	150	25
33271	.8	3	8	8	10	124	3
33272	.8	23	24	13	10	112	4
33273	.7	27	14	12	11	103	2
33274	1.0	1	11	6	13	247	72
33275	.5	33	17	7	14	162	6
33276	.5	23	15	11	9	93	2
33277	.4	16	22	20	7	94	1
33278	.4	18	26	8	8	80	7
33279	.4	14	24	10	7	104	2
33280	.5	22	33	11	11	96	6
33281	.3	19	38	18	10	106	1
33282	.4	1	68	22	12	108	5
33283	.5	25	34	17	7	100	4
33284	.4	13	23	14	11	103	2

(VALUES IN PPM )	AG	AS	CU	NI	PB	ZN	AU-PPB
33285	.7	11	21	9	10	90	2
33286	.4	4	30	10	9	86	3
33287	.8	3	13	6	12	89	2
33288	.6	2	24	15	7	97	2
33289	.4	22	28	13	7	108	6
33290	.5	23	16	11	12	96	1
33291	.8	1	36	7	13	127	5
33292	.7	1	17	6	7	101	3
33293	.4	1	26	4	13	115	2
33294	.4	4	16	9	11	102	1
33295	.4	22	12	5	6	99	1
33296	.7	40	20	12	10	121	3
33297	.8	49	18	7	12	89	1
33298	.6	54	24	11	13	106	1
33299	.6	4	45	18	10	100	1
33300	.4	10	15	6	8	66	2
33351	.8	53	17	10	14	98	1
33352	.5	52	16	8	11	105	4
33353	.7	3	14	6	6	96	1
33354	.5	5	12	6	6	69	2
33355	.8	1	17	7	11	76	1
33356	.8	4	15	8	6	83	2
33357	.5	1	14	5	12	102	3
33358	.6	1	14	6	9	74	2
33359	.7	5	13	5	8	72	1
33360	.8	11	13	5	7	74	1
33361	.8	1	17	16	13	94	3
33362	.6	7	13	5	11	66	2
33363	.7	1	15	10	11	87	2
33364	.8	5	15	6	7	109	1
33365	.9	24	18	6	9	76	1
33366	.6	1	27	6	9	99	2
33367	.4	14	21	5	8	50	4
33368	.5	38	24	9	7	89	2
33369	.4	43	25	7	11	95	1
33370	.6	5	19	6	6	87	3
33371	.7	38	24	10	9	81	2
33372	.3	1	21	7	8	59	2
33373	.6	28	20	10	12	91	3
33374	.6	34	25	12	7	92	5
33375	.5	21	19	6	9	79	4
33376	.6	26	20	8	10	84	1
33377	.4	37	12	4	10	83	3
33378	.8	1	17	7	10	73	2
33379	.6	13	24	9	9	103	6
33380	.7	30	20	10	11	84	2
33381	.5	36	24	9	9	85	1
33382	.8	37	19	8	10	88	2
33383	.9	18	17	6	6	94	3
33384	.4	3	25	8	10	71	1
33385	.6	33	23	5	10	97	4
33386	1.2	70	92	10	14	178	2
33387	.4	4	25	6	8	93	1
33388	.5	14	18	6	9	65	16
33389	.3	1	18	6	6	54	4
33390	.4	41	20	7	7	92	1
33391	.4	17	17	6	10	75	2

(VALUES IN PPM )	AG	AS	CU	NI	PB	ZN	AU-PFB
33211	.6	7	97	6	38	146	2
33212	.9	34	53	6	40	104	4
33213	8.5	8	9364	4	158	148	361
33214	3.1	1	4597	10	81	131	67
33215	4.6	15	1112	13	774	60	421
33216	2.0	3	6329	13	41	70	103
33217	.7	20	27	10	10	56	159
33218	7.6	17	3778	4	66	81	6900
33219	.9	24	388	14	17	36	455
33220	1.2	20	36	3	8	70	18
33221	1.1	21	3526	2	67	122	57
33222	90.0	4	11300	3	69	144	3000
33223	2.3	61	2088	4	70	66	400
33224	.6	4	74	9	22	67	18
33225	3.2	7	2134	6	80	10614	221
33226	8.7	12	5838	7	44	125	104
33227	.5	6	94	9	11	125	3
33228	18.0	14	3693	6	41	329	36
33229	3.5	10	1681	14	25	55	177
33230	1.1	15	1214	13	15	42	8
33231	.4	2	40	12	5	51	41
33232	.9	8	14	12	19	132	3
33233	1.4	29	334	5	11	208	34
33234	.6	1	60	5	21	65	4



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CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

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**TIMMINS OFFICE:**  
33 EAST IROQUOIS ROAD  
P.O. BOX 867  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

***Certificate of ASSAY***

Company: HI TEC RESOURCE MANAGEMENT  
Project: 88 BC 033 JOANNA  
Attention: P. SORBARA/V. KURAN

File: 8-1400/P1  
Date: SEPT 9/88  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
33 218	7.80	0.228
33 222	3.50	0.102

Certified by   
MIN-EN LABORATORIES LTD.

(VALUES IN PPM )	AG	CU	MO	NI	PB	ZN
18427	.8	20	2	8	9	131
18428	3.1	744	9	4	47	130
18429	1.3	21	2	7	13	138
18430	.9	19	1	9	7	124
18431	1.7	21	4	3	58	114
18432	.9	12	6	5	11	124
18433	.8	16	4	7	11	134
18434	1.3	4	27	2	11	244
18435	.8	18	8	3	25	165
18436	1.2	982	4	3	107	286
18437	.8	174	16	4	16	185
18438	1.4	402	2	4	7	178
18439	.9	59	6	7	8	137
18440	2.9	5709	8	7	46	170
18441	1.7	56	22	3	62	111
18442	.6	30	2	6	9	155
18443	1.2	40	3	8	24	231
18444	4.3	89	9	4	155	535
18445	2.4	977	3	3	7	283
18446	1.7	249	3	4	13	189
18447	7.6	5205	11	3	52	182
18448	1.2	93	1	3	6	175
18449	1.8	26	68	3	10	124
18450	2.9	11	364	3	47	102
18451	2.1	430	77	3	17	105
18452	.9	882	8	5	26	122
18453	.7	33	3	7	9	112
18454	.6	23	10	6	9	83



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**TIMMINS OFFICE:**  
33 EAST IROQUOIS ROAD  
P.O. BOX 887  
TIMMINS, ONTARIO CANADA P4N 7G7  
TELEPHONE: (705) 264-9996

*Certificate of ASSAY*

Company: HI-TEC RESOURCE MANAGEMENT  
Project: 8BBC033 JOANNA  
Attention: V. KURAN/D. ADAMEC

File: 8-1400/P1  
Date: SEPT. 13/88  
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU G/TONNE	AU OZ/TON
18 427	.01	0.001
18 428	.02	0.001
18 429	.01	0.001
18 430	.01	0.001
18 431	.03	0.001
-----		
18 432	.02	0.001
18 433	.03	0.001
18 434	.05	0.001
18 435	.02	0.001
18 436	.04	0.001
-----		
18 437	.05	0.001
18 438	.02	0.001
18 439	.03	0.001
18 440	4.31	0.126
18 441	.05	0.001
-----		
18 442	.02	0.001
18 443	.03	0.001
18 444	.02	0.001
18 445	.01	0.001
18 446	.02	0.001
-----		
18 447	.13	0.004
18 448	.04	0.001
18 449	.09	0.003
18 450	.03	0.001
18 451	.19	0.006
-----		
18 452	.16	0.005
18 453	.04	0.001
18 454	.03	0.001

Certified by \_\_\_\_\_

MIN-EN LABORATORIES LTD.

**APPENDIX V**

**Statement of Costs**



STATEMENT OF COSTS

INTERNATIONAL DAMASCUS RESOURCES LTD.

JOANNA III AND IV CLAIMS

PROJECT 88BC033

Field Work Period:

August 6 - August 29, 1988

Salaries

J. Adamec, Geologist	
3 days @ \$375/day	\$ 1,125.00
W. Kushner, Assistant Geologist	
3 days @ \$250/day	750.00
Z. Bobinski, prospector	
3 days @ \$250/day	750.00
S. Carnogursky, technician	
3 days @ \$225/day	<u>675.00</u>

\$ 3,300.00

Project Expenses

Project Preparation

590.38

Mobilization/Demobilization

966.89

Helicopter Support 4.5 hours

2,955.56

Geochemistry

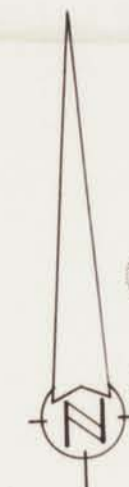
177 soil sample preparation  
@ \$1/sample \$ 177.00

177 soil sample analysis for  
6 element ICP and gold fire geochem  
@ \$12.25/sample 2,168.25



24 rock sample analysis for 6 element ICP and gold fire geochem @ \$12.25/sample	294.00
28 rock sample analysis for 6 element ICP @ \$5/sample	140.00
30 rock gold assays @ \$8.50/sample	255.00
Misc. Lab Charges	<u>4.00</u>
	3,038.25
Domicile 12 man days @ \$70/man/day	840.00
Field Supplies	293.80
Field Equipment 12 man days @ \$30/day	360.00
Fixed Wing Support	220.98
Freight	10.24
Maps	1.41
Expediting	28.73
Assessment Filing (not including assessment filing fees)	350.00
Communciations	21.86
Radio Rental 3 days @ \$25/day	75.00
Accounting	536.76
Report Compilation	2,500.00
Project Management Fee 15% (not charged on salaries)	
	<u>1,612.63</u>
	\$17,702.49





GEOCHEMICAL DATA TABLE

Sample no.	Ag(ppm)	Cu(ppm)	Mo(ppm)	Ni(ppm)	Pb(ppm)	Zn(ppm)	As(ppm)	Au(ppb)	Sample no.	Ag(ppm)	As(ppm)	Cu(ppm)	Ni(ppm)	Pb(ppm)	Zn(ppm)	Au(ppb)	Sample no.	Ag(ppm)	As(ppm)	Cu(ppm)	Ni(ppm)	Pb(ppm)	Zn(ppm)	Au(ppb)	
18427	0.8	20	2	8	9	131	0.01	0.001	32287	0.9	25	25	9	11	144	2	32225	3.2	7	2134	6	89	10614	221	
18428	3.1	744	9	4	47	130	0.02	0.001	32288	0.6	25	57	12	32	155	6	32226	8.7	12	5838	7	44	125	104	
18429	1.3	21	2	7	13	139	0.01	0.001	32289	0.5	24	63	16	150	209	8	32227	0.6	10	1214	13	15	42	8	
18430	0.9	19	1	9	7	124	0.01	0.001	32290	1.1	29	15	21	100	100	10	32228	18.0	14	3693	6	41	329	36	
18431	1.7	21	4	3	58	114	0.03	0.001	32291	0.3	34	28	9	24	108	5	32229	3.5	10	1681	14	25	55	177	
18432	0.9	12	6	5	11	124	0.02	0.001	32292	0.5	10	48	8	112	8	32230	1.1	15	1214	13	15	42	8		
18433	0.8	16	4	7	11	134	0.03	0.001	32293	0.7	29	35	10	22	129	7	32231	0.4	2	40	12	5	51	41	
18434	1.3	4	27	2	11	244	0.05	0.001	32294	0.6	26	49	16	24	105	12	32232	1.4	29	334	5	11	208	34	
18435	0.8	18	8	3	75	165	0.02	0.001	32295	0.5	16	45	13	95	2	32233	0.6	1	60	5	21	65	4		
18436	1.2	982	4	3	107	286	0.04	0.001	32296	0.8	1	28	10	30	119	3	32234	0.6	1	60	5	21	65	4	
18437	0.5	174	16	4	16	195	0.05	0.001	32297	0.3	15	42	8	100	3	32235	0.9	13	61	14	35	134	4		
18438	1.8	492	2	4	7	178	0.02	0.001	32298	0.6	23	60	15	32	120	4	32236	1.2	10	53	15	14	110	2	
18439	0.9	59	6	7	8	137	0.03	0.001	32299	0.5	23	45	10	41	129	5	32237	0.5	21	72	5	89	99	1	
18440	2.9	9799	8	7	46	374	4.11	0.126	32300	1.5	33	137	3	93	120	15	32238	0.5	21	72	5	89	99	1	
18441	1.7	56	22	3	62	111	0.05	0.001	33001	1.4	27	28	6	52	65	5	32239	0.6	24	26	6	30	91	18	
18442	0.6	30	2	6	9	155	0.02	0.001	33002	1.0	32	25	4	17	116	1	32240	0.4	24	22	9	23	77	5	
18443	1.2	40	3	8	24	231	0.03	0.001	33003	1.4	26	28	6	39	155	4	32241	0.6	49	12	49	100	4	4	
18444	0.3	89	9	4	155	535	0.02	0.001	33004	1.1	10	10	6	24	103	5	32242	0.5	17	37	8	11	183	2	
18445	0.4	977	3	3	7	283	0.01	0.001	33005	1.1	10	6	60	168	2	32243	0.5	6	20	7	41	119	6		
18446	1.7	249	3	4	13	189	0.02	0.001	33006	1.0	22	38	12	50	101	2	32244	0.6	13	103	9	8	197	2	
18447	1.6	5285	11	3	52	182	0.13	0.004	33007	0.9	6	19	6	12	109	1	32245	0.5	6	19	12	4	124	3	
18448	1.6	93	1	3	6	175	0.04	0.001	33008	0.5	27	13	5	13	110	8	32246	0.3	11	92	5	14	98	2	
18449	1.8	26	68	3	10	124	0.09	0.003	33009	0.6	24	17	6	18	116	6	32247	0.5	35	20	9	11	81	7	
18450	1.9	11	364	3	47	182	0.03	0.001	33010	1.0	1	16	6	18	94	4	32248	0.5	1	21	8	16	121	4	
18451	2.1	430	77	3	17	195	0.19	0.006	33011	0.6	2	17	7	25	88	6	32249	0.6	1	42	9	9	197	2	
18452	0.9	882	8	5	26	122	0.16	0.005	33012	0.9	19	84	7	32	104	7	32250	0.6	37	14	8	12	98	2	
18453	0.7	33	3	7	9	112	0.04	0.001	33013	0.8	24	13	6	20	79	2	32251	0.5	16	20	9	8	88	1	
18454	0.6	23	10	6	9	83	0.03	0.001	33014	0.4	22	17	10	18	71	2	32252	0.4	16	20	4	10	111	3	
									33015	1.0	18	83	7	32	83	7	32253	0.6	26	27	10	6	15	150	25
									33016	1.0	24	10	10	21	84	3	32254	0.5	21	17	6	15	150	25	
									33017	0.5	22	14	9	7	9	3	32255	0.8	3	8	8	18	124	3	
									33018	0.4	31	20	10	7	103	2	32256	0.8	23	24	13	10	112	4	
									33019	0.4	19	15	7	7	78	3	32257	0.7	27	14	12	11	193	2	
									33020	0.4	19	15	7	7	78	3	32258	1.1	11	6	6	18	124	3	
									33021	0.7	6	16	7	10	86	1	32259	0.5	33	17	7	14	162	6	
									33022	0.4	28	17	8	9	93	2	32260	0.4	16	22	20	7	94	1	
									33023	0.5	28	20	9	17	132	2	32261	0.4	18	26	8	8	80	7	
									33024	0.5	28	20	9	17	132	2	32262	0.4	18	26	8	8	80	7	
									33025	0.4	30	39	10	14	101	1	32263	0.4	14	18	4	10	184	6	
									33026	0.8	4	25	9	13	112	4	32264	0.5	22	33	11	11	96	6	
									33027	0.5	1	43	8	30	165	1	32265	0.5	19	38	10	10	186	6	
									33028	0.4	1	44	8	9	110	2	32266	0.4	1	68	22	12	108	5	
									33105	0.5	13	74	4	6	128	3	32267	0.5	25	34	13	7	100	4	
									33107	0.8	98	1	40	184	81	1	32268	0.4	13	23	14	11	9	86	6
									33108	0.7	32	43	1	33	86	3	32269	0.7	11	21	9	10	90	2	
									33109	0.8	29	65	2	31	95	5	32270	0.4	10	8	10	8	86	6	
									33110	0.7	30	40	2	31	86	2	32271	0.8	3	13	9	12	89	2	
									33111	0.6	20	31	5	15	98	16	32272	0.6	2	24	15	7	97	2	
									33112	0.8	25	1	6	28	68	2	32273	0.4	27	20	13	7	108	4	
									33113	2.9	22	253	1	41	240	49	32274	0.5	23	16	11	12	96	1	
									33114	0.4	4	133	6	14	60	1	32275	0.7	1	17	6	7	101	3	
									33115	0.4	20	14	1	57	141	2	32276	0.4	4	16	9	11	127	1	
									33116	0.7	1	30	5	21	129	1	32277	0.4	1	26	4	13	115	2	
									33117	0.4	1	14	3	14	90	1	32278	0.4	4	16	9	11	122	1	
									33118	0.6	1	100	3	19	103	1	32279	0.4	22	12	5	6	99	1	
									33119	0.8	16	79	2	26	107	3	32280	0.7	40	20	12	10	121	3	
									33120	0.5	1	13	2	15	33	2	32281	0.8	49	18	7	12	89	1	
									33121	0.6	13	90	1	20	131	1	32282	0.6	54	24	11	13	106	1	
									33122	0.4	20	3	2	3	90	1	32283	0.6	4	45	18	10	100	1	
									33123	0.4	2	20	3	19	119	2	32284	0.4	10	15	6	8	66	2	
									33124	0.8	7	28	4	14	116	1	32285	0.7	53	17	10	14	98	1	
									33125	0.6	1	243	3	7	116	2	32286	0.5	52	16	8	11	105	4	
									33127	0.5	2	29	6	6	125	1	32287	0.7	3	14	6	6	96	1	
									33128	0.4	10	184	4	18	180	5	32288	0.5	5	12	6	6	69	1	
									33129	1.2	7	170	4	39	136	19	32289	0.8	4	15	8	6	83	2	
									33130	0.5	11	37	1	14	24	1	32290	0.5	1	14	6	15	182	2	
									33131	0.6	11	28	19	14	175	1	32291	0.6	1	14	6	9	74	2	
									33132	0.5	11	28	19	14	175	1	32292	0.7	5	13	5	9	92	1	
									33133	0.5	11	28	19	14	175	1	32293	0.8	11	13					