86-814-15338

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,338

FILMED

1986 GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT ON THE JOANNA III AND IV MINERAL CLAIMS

12/87

Toodoggone River Area
Omineca Mining Division
NTS 94E/6E

Latitude 57°~~28~~ 27.4' N
Longitude 127°~~03~~ 05.3' W

For

Owner/Operator: International Damascus Resources Ltd.
Ste. 810-625 Howe St.
Vancouver, B.C.
V6C 2T6

By

James S. Steel, B.Sc.
J. Paul Sorbara, M.Sc., F.G.A.C.
Hi-Tec Resource Management Ltd.
1590-609 Granville St.
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V7Y 1C6

October 3, 1986

HI-TEC RESOURCE MANAGEMENT LIMITED

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ILLUSTRATIONS

SUMMARY

The Joanna III and IV claims, located in the east-central section of the Toodoggone gold belt north of Toodoggone Lake, are owned by International Damascus Resources Ltd. The property is underlain by plagioclase porphyry flows, tuffs and breccias with interbedded red and green cherts.

A preliminary soil and silt sampling program in 1985 delineated several geochemical anomalies over the property. For the 1986 exploration season, a program of soil and silt geochemistry, rock sampling, mapping and prospecting was undertaken to extend the known anomalies and better assess the property.

The current soil sampling program has outlined a gold anomaly (approximately 300 m x 300 m) with values up to 520 ppb in the southeast corner of the soil grid, and a smaller anomaly in the northwest corner. Silver anomalies were restricted to the area of the gold anomaly and extended south of the grid where 42.1 ppm silver was sampled in rocks. Anomalous base metals were also confined to this area where 24,249 ppm zinc was sampled in frost heave and 60,895 ppm zinc was found in a massive specular hematite outcrop to the east. Arsenic is restricted to the western part of the Joanna IV claim where 80% of samples taken were anomalous. Gold is also anomalous in silt, reaching 200 ppb, and rocks reaching 9500 ppb.

Ground geophysics showed a 350 m northwest-trending VLF-EM conductor in the west-central part of the Joanna IV claim, and a smaller one in the area of the gold, silver, copper and zinc anomalies in the southeast corner. Although magnetometer results are somewhat inconclusive, an area of anomalously high magnetics was detected adjacent to the longer electromagnetic conductor.

The 1986 exploration program has delineated many areas of interest on the Joanna III and IV claims and has shown that further work is warranted.

INTRODUCTION

Location and Access

The property is situated in the Toodoggone River area, some 340 kilometers north of Smithers, B.C. Approximate geographical coordinates are latitude 57°26' north and longitude 127°05' west (Figure 1). The claims are located 4 kilometers northeast of the JD property of Energex Minerals Ltd. Most of the claim area lies above timberline, but the lower areas are covered by scrub brush. The terrain is moderately rugged, with the areas barren of vegetation consisting of exposed rock and/or scree material.

Access is by fixed-wing aircraft to the Sturdee airstrip 290 kilometers north of Smithers, and then by helicopter 50 kilometers to the north.

Property and Ownership

The Joanna III and IV claims, each twenty units in size, are owned by International Damascus Resources Ltd. The claims are situated on Belle Creek, eight kilometers north of the Toodoggone River in the Omineca Mining Division, approximately 340 kilometers north of Smithers, B.C. (Figure 2).

The pertinent claim data are as follows:

Claim	Record No.	Units	Record Date
Joanna III	6941	20	March 25, 1985
Joanna IV	6942	20	March 25, 1985

INTERNATIONAL DAMASCUS RESOURCES LTD.

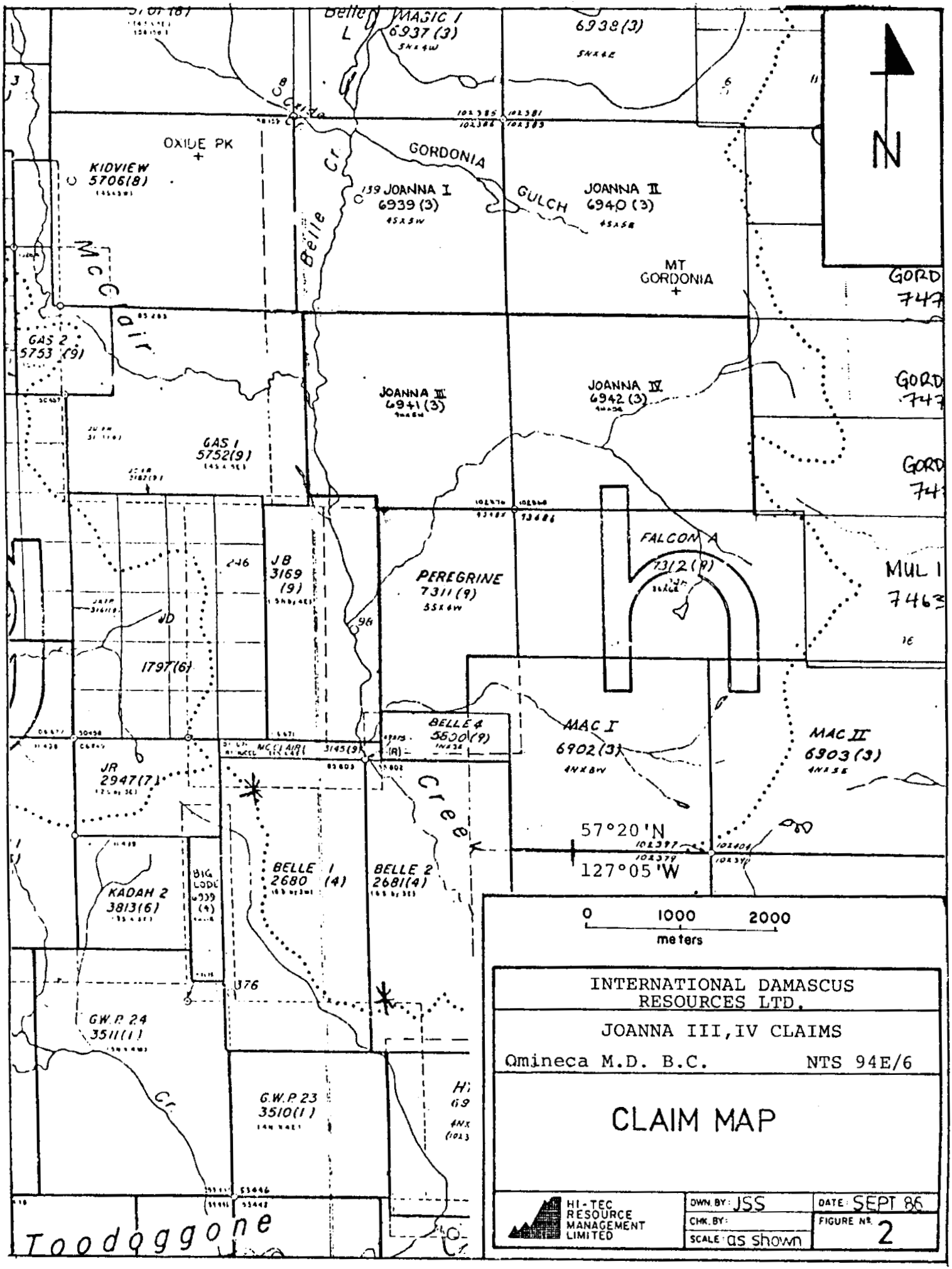
JOANNA III, IV CLAIMS

OMINECA M.C., B.C. NTS 94E/7

LOCATION MAP

HI-TEC RESOURCE MANAGEMENT LIMITED

Dwn. BY	J.W	DATE
Chk. By		FIGURE No. 1
SCALE	As shown	



INTERNATIONAL DAMASCUS RESOURCES LTD.

JOANNA III, IV CLAIMS

Omineca M.D. B.C. NTS 94E/6

CLAIM MAP

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY: JSS	DATE: SEPT 86
CHK. BY:	FIGURE No. 2
SCALE: as shown	

History and Previous Work

The earliest record of exploration and mining in the area relates to placer mining activities on McClair Creek and Toodoggone River in 1930. There was sporadic exploration for gold, copper, lead and zinc between 1934 and 1960. The area was actively explored by Sumitomo, Umex and Texas Gulf Sulphur between 1963 and 1967, and in 1968 for porphyry copper and molybdenum deposits by Kennco Exploration (Western) Ltd., Cominco Ltd., and Cordilleran Engineering Ltd.

Kennco Exploration (Western) Ltd. recognized the precious metal potential of the area, staked the Lawyers and Chappelle claims, and explored them until 1975. The Chappelle property was eventually optioned to Conwest Explorations Ltd. and then to DuPont of Canada Exploration Ltd. This led to the discovery of the Baker deposit. The Baker mine was placed into production with indicated reserves of 70,000 tons with grades of 0.98 oz/T Au and 19.0 oz/T Ag in the A vein. The Baker deposit was mined out in 1983. The Lawyers property is presently held under option to Serem Inc. Surface and underground drilling has defined a deposit containing 1,000,000 tons grading 0.21 oz/T Au and 7.1 oz/T Ag (Schroeter, 1985).

Energex Minerals Ltd., Peralto Resources Corp., Golden Rule Resources Ltd. and Lacana Mining Corporation all had active exploration programs in the Toodoggone River area during the summer of 1986.

REGIONAL GEOLOGY AND MINERALIZATION

The Toodoggone gold camp is a 15 - 20 kilometer wide belt of volcanic, sedimentary and intrusive rocks extending northwesterly from Thutade Lake to the Stikine River, a distance of more than 100 kilometers. The oldest rocks in the area belong to the Asitka Group of Permian age. This group consists

of cherts, argillites, limestone and greenstones. These rocks are overlain by the Takla Group, which consists of intermediate flows and pyroclastics of Upper Triassic age. The Takla is characterized by abundant flows of augite andesite, basalt, porphyritic feldspar andesite and their volcaniclastic sedimentary equivalents.

The volcanic rocks lying stratigraphically above the Takla Group have been classified under two headings: the Toodoggone and the Hazelton. The Toodoggone Group is of Lower Jurassic age and is equivalent to the base of the Hazelton Group (Panteleyev, 1984). The Toodoggone volcanics consist predominantly of subaerial dacite, latite, trachyte and rhyolite pyroclastic rocks more than 500 metres in thickness, which unconformably overlie the Takla Group. The majority of epithermal precious metal occurrences in the area are associated with Toodoggone volcanic rocks. The Baker deposit, however, occurs in Takla volcanic rocks.

The Toodoggone volcanics are bordered on the east by, and are in fault contact with the Hazelton Group, which consists of intermediate volcanic conglomerate, breccia, lahar and abundant pink feldspar porphyry dikes and sills. These rocks range in age from Lower Jurassic to Upper Jurassic.

In addition to the intrusive dikes and sills noted within the Toodoggone and Hazelton Groups, acid to intermediate and alkaline stocks and plugs also occur in the Toodoggone area.

The Toodoggone camp exhibits at least four types of precious metal mineralization, the most common of which is epithermal in origin. The epithermal deposits occur as massive quartz veins such as at the Baker mine, or as silicified zones and amethystine breccia zones such as at the Lawyers deposit. These deposits are generally close to major northwest faults and are associated with the Toodoggone volcanics. Quartz, barite and

carbonate are the chief gangue minerals. Vein minerals are acanthite, pyrite, electrum, chalcopyrite, native gold, sphalerite and galena. Grades range from 0.1 to 1.0 oz/T Au and 1.0 to 20.0 oz/T Ag.

PROPERTY GEOLOGY & MINERALIZATION

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.

Mapping by the author 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°. 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 silicious matrix. This is in turn underlain by a massive, slightly foliated feldspathic breccia with angular to subrounded rock fragments. All units strike 022° to 038° and dip 36°-52° 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. The south ridge has orange-red weathering gossans and silicified zones as well as malachite, galena and pyrite in siliceous-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% is seen in outcrop at about 1700 m on the south ridge also. The north ridge shows several malachite-rich quartz veins and stringers as well as some stratiform malachite bearing tuffaceous zones.

GEOCHEMISTRY

Sampling and Analytical Procedure

A program of soil and silt geochemistry, magnetometer and VLF-EM surveys and geological mapping was performed from August 5 to 11, 1986 on the central part of the Joanna III and IV claims. The program was designed to cover the area between lines of reconnaissance soil sampling done in 1985 which returned several spot highs of gold and silver. Silt sampling was also carried out on the western section of the Joanna III claim. Field work was carried out by T. Archibald and O. Paeseler under the supervision of J. Steel of Hi-Tec Resource Management Limited.

A total of 200 soil, 51 silt and 12 rock samples were collected during the program (Figure 4a). Soil samples were taken with a mattock from the "B" soil horizon at depths of 15-25 cm, placed in numbered kraft paper bags and shipped to Min-En Laboratories in North Vancouver for analysis.

Soil and silt samples were dried overnight at approximately 60°C and then sieved to minus 80 mesh. A 0.5 gram portion of each sample was extracted by digestion with nitric acid and aqua-regia, followed by atomic absorption measurement to determine gold. All other elements were determined by ICP analysis. Rock samples were crushed and then analysed in the same manner as the soils. Results are plotted in Figures 4b to 4d.

Discussion of Results

Threshold and anomalous contour values were calculated by the log-normal frequency method. Anomalous values for gold and silver are 15 ppb and 1.0 ppm, respectively. A large gold anomaly 350 meters in length and up to 300 meters wide with values to 520 ppb occurs on the southeast corner of the soil grid. A lesser zone with values to 90 ppb occurs as a narrow band 400 meters long in the northwest corner of the grid (Figure 4b). Several isolated gold values were also delineated between 2+00S and 1+00N and between 1+00E and 3+00E. Anomalous silver values were very limited and restricted to line 2+00S at 3+00E and at 10+00E in the area of the larger gold anomaly. This area also hosts a malachite in quartz occurrence that returned 42.1 ppm silver and 5 ppb gold.

The Joanna IV claim yielded several anomalous gold and silver silt samples and very anomalous silver in rock samples collected from the ridges to the north and south. Silver values in rocks range from 2.2 ppm in an intense silica alteration zone to 23.4 ppm in a specular hematite occurrence. Gold is also anomalous in rock samples, reaching a high of 9500 ppb in a malachite and quartz occurrence on the north ridge. Several silt samples on the Joanna III claim returned values to 200 ppb.

Arsenic and barium are present only as spot anomalies on the soil grid on the Joanna IV claim, for the most part concentrated

on line 2+00S in the areas previously discussed. Silt and rock samples are predominantly devoid of both elements on the Joanna IV claim with the exception of the occurrence on the north ridge which returned a value of 3532 ppm barium. A small soil grid set up to explore the 1985 arsenic anomaly on the Joanna III claim returned 80% of samples anomalous in arsenic (Figure 4c).

Base metal results were not significant on the International Damascus property, occurring as spot highs in soil, restricted to line 2+00S between 5+00E and 10+00E. Rocks from the malachite occurrence in this area did, however, return 24,249 ppm zinc, and the specular hematite occurrence nearby showed 4353 ppm copper and 60,895 ppm zinc in rocks. No further base metal anomalies were delineated either in the silt samples or on the Joanna III grid.

GEOPHYSICS

Magnetometer Survey

Instrument: Scintrex MP-2, total field, survey corrected for diurnal variation. T.K.

A magnetometer survey covering 6.2 line-kilometers was performed over the soil sampling grid on the Joanna III and IV claims. It returned values from 39,000 gammas to 56,000 gammas. A large magnetic high is located in the area of line 0+00 2+00E and a smaller one at 1+00S 10+00E (Fig. 5a). Due to equipment difficulties, two lines to the north were not surveyed. It is possible that the western magnetic anomaly continues across this ground, which would dramatically increase its size.

VLF-EM Survey

A Phoenix 2 VLF-EM survey was also conducted over the soil sampling grid, using the Seattle, Washington transmitting station. Several conductors were located, all showing northwest trends. The dominant conductor covers an area of 300 m by 50 m in the area of 3+00N to 6+00N. A second conductor trends off the grid at the southeast corner, in the same position as

the smaller magnetometer high (Figure 5a).

Both of these EM conductors are flanked by ones of lesser magnitude, the largest of which is 400 m long, extending from 3+50N 1+00E to 0+50S 4+00E.

CONCLUSIONS

The Joanna III and IV claims cover an area that is both geochemically and geophysically anomalous. The southeast corner of the soil grid on the Joanna IV claim shows a gold and silver anomaly coincident with a VLF-EM conductor, both of which are open to the south and east. Rock samples in this area have also returned anomalous precious and base metal values. A gold anomaly and coincident VLF-EM conductor occur in the northwest corner of the soil grid. Anomalous precious metal values occur in stream silts in the valley on the Joanna IV claim and in rocks on the ridge to the north. Highly anomalous As in soils and Au in stream silts are also seen on the western part of the Joanna III claim. The number, location and variety of anomalies on the Joanna III and IV claims are indicative of a high potential for the discovery of precious metal deposits on this property.

RECOMMENDATIONS

The geophysical and geochemical surveys performed on the Joanna III and IV claims in 1986 have delineated several areas of interest and the author believes that further work is warranted. A follow-up program should include a continuation of the soil grids from line 2+00S to the claim boundary on the Joanna IV claim to test the soil and rock anomalies, as well as a northern extension of the western soil grid to further test the arsenic anomaly in this area. The northwest corner of the grid with the gold and VLF-EM anomalies should have fill-in geochemistry done. As well, the vicinity of all anomalous rock samples should be prospected and mapped in detail. Pan

concentrates should be taken from the creek on the western section of the Joanna IV claim. Finally, an extension of the geophysical survey should parallel that of geochemistry.

Respectfully submitted,

J. Paul Sorlang

HI-TEC RESOURCE MANAGEMENT LTD.

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APPENDIX I

Statement of Costs

STATEMENT OF COSTS

Geophysical - Geochemical Programs - Project 86BC011
Joanna 3 and 4 Claims

Salaries (August 4 to August 11)		
J. Steel	7.25 days @ $250.00/day	$ 1,812.50
T. Archibald	7.0 days @ $210.00/day	1,470.00
O. Paesler	7.0 days @ $210.00/day	1,470.00
Mobilization/Demobilization		3,146.32
Geochemistry		
200 soil samples - 6 element Trace ICP, Au		2,070.00
51 silt samples - 6 element Trace ICP, Au		527.85
12 rock samples - 6 element Trace ICP, Au		144.00
Freight		111.00
Domicile		478.11
Accomodation		212.50
Camp Equipment and Fuel		140.00
Geophysical Rental		300.00
Communications		175.00
Field Equipment		175.00
Fixed Wing Support		478.73
Helicopter Support		3,500.30
Office Supplies		92.76
Geochemical Report		2,250.00
Data Compilation, Field Report		375.00
Project Management		2,835.31
	TOTAL:	$21,764.38

HI-TEC
RESOURCE
MANAGEMENT
LIMITED

APPENDIX II

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I, JAMES S. STEEL of #1608-1005 Jervis Street, Vancouver, British Columbia hereby certify that:

1. I am a graduate of the University of British Columbia (1984) and hold a B.Sc. degree in geology.

2. I am presently employed as a project geologist with Hi-Tec Resource Management Ltd. of #1509 - 609 Granville Street, Vancouver, British Columbia.

3. I have been employed in my profession by various mining companies for the past two years.

4. The information contained in this report was obtained from an on-site property examination and supervision of the field work program conducted by Hi-Tec Resource Management Ltd. in 1986.

James S. Steel,
Project Geologist

DATED at Vancouver, British Columbia this 8th day of October, 1986.

STATEMENT OF QUALIFICATIONS

I, J. PAUL SORBARA, of the Municipality of Delta, in the Province of British Columbia, hereby certify:

1. THAT I am a geologist residing at 6703 Nicholson Road, in the Municipality of Delta, in the Province of British Columbia.

2. THAT I graduated with a B.Sc. in geology from the University of Toronto, in the City of Toronto, in the Province of Ontario, in 1976, and with a M.Sc. in geology from the University of Toronto in 1979.

3. THAT I have practiced geology professionally from 1979 to 1986, including 5 years as an exploration geologist for Cominco Ltd.

4. THAT I am a registered Fellow of the Geological Association of Canada.

5. THAT I do not have, nor do I expect to receive any material interest in International Damascus Resources claims in the Toodoggone gold belt, or any other claims in that area.

6. THAT I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of private or public financing.

Signed: J. Paul Sorbara

J. Paul Sorbara, M.Sc., F.G.A.C.

October 21, 1986

APPENDIX III

Analtyical Results

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: 02-86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-642

ATTENTION: J.STEEL/P.SORBARA | (604)980-5814 OR (604)988-4524 | * TYPE ROCK GEOCHEM * | DATE:AUGUST 26, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPb
JS 86 D001	.3	26	133	103	95	139	5
JS 86 D002	.7	1	261	49	76	114	5
JS 86 D003	.4	19	414	31	115	147	10
JS 86 D004	2.4	1	140	5	6	5	5
JS 86 D005	2.2	36	34	85	29	17	35
JS 86 D006	6.9	77	3532	5808	125	31	9500
JS 86 D007	2.0	4	45	355	27	18	10
JS 86 D008	.1	1	145	38	11	45	5
JS 86 D009	23.4	336	138	4353	282	60895	20
TA 86 D001	42.1	23	35	4093	233	24249	5
TA 86 D002	5.9	6	20	7773	63	628	790
TA 86 D003	7.3	1	596	6543	30	3646	10

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:GED27) PAGE 1 OF 1

PROJECT NO: D1-86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-642S/P1+2

ATTENTION: J.STEEL/P.SORBARA | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:AUGUST 25, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
0+00 0+00	.2	8	88	15	39	109	5
0+00 0+50E	.4	12	89	13	49	152	10
0+00 1+00E	.1	12	114	11	30	118	5
0+00 1+50E	.1	11	78	8	21	103	5
0+00 2+00E	.3	4	94	18	39	157	30
0+00 2+50E	.1	9	104	9	23	119	5
0+00 3+00E	.3	9	76	10	25	93	10
0+00 3+50E	.2	6	485	17	39	135	5
0+00 4+00E	.2	9	113	13	39	121	5
0+00 4+50E	.2	16	112	15	38	90	5
0+00 5+00E	.5	7	100	14	23	98	5
0+00 5+50E	.2	14	93	17	37	108	15
0+00 6+00E	.1	3	69	11	32	79	25
0+00 6+50E	.1	8	87	16	33	96	20
0+00 7+00E	1.1	10	67	12	22	88	35
0+00 7+50E	.4	8	103	11	33	102	5
0+00 8+00E	.7	2	171	21	43	94	5
0+00 8+50E	1.6	1	277	28	49	120	10
0+00 9+00E	.2	1	97	28	26	109	5
0+00 9+50E	.4	18	90	16	67	97	40
0+00 10+00E	.3	3	96	26	38	97	30
0+00 10+50E	.5	1	76	11	36	82	35
0+00 11+00E	.1	1	282	10	22	65	5
1+00S 0+00	.1	2	338	47	55	261	10
1+00S 0+50E	.4	8	214	32	38	172	5
1+00S 1+00E	.4	7	214	39	28	154	15
1+00S 1+50E	.4	5	157	24	34	135	25
1+00S 2+00E	.2	1	213	24	31	137	15
1+00S 2+50E	.2	1	209	29	39	140	5
1+00S 3+00E	3.2	1	152	14	31	131	30
1+00S 3+50E	.2	18	86	14	32	134	5
1+00S 4+00E	.2	11	95	18	45	160	5
1+00S 4+50E	.3	5	96	11	48	83	35
1+00S 5+00E	.4	12	111	19	49	133	15
1+00S 5+50E	.1	21	93	15	46	136	5
1+00S 6+00E	.3	21	88	15	48	138	20
1+00S 6+50E	.6	4	120	26	63	155	25
1+00S 7+00E	.2	1	77	9	35	106	5
1+00S 7+50E	.6	17	128	9	46	119	5
1+00S 8+00E	.5	12	94	14	58	100	20
1+00S 8+50E	.3	3	154	70	23	91	150
1+00S 9+00E	.6	18	117	13	38	144	40
1+00S 9+50E	.4	28	114	14	58	126	25
1+00S 10+00E	.4	10	116	8	53	63	35
1+00S 10+50E	.5	11	194	14	79	190	5
1+00S 11+00E	N/S						
1+00N 0+00	1.2	1	494	97	34	194	5
1+00N 0+50E	.1	1	57	6	15	34	5
1+00N 1+00E	.3	12	79	15	33	106	10
1+00N 1+50E	1.3	1	487	213	39	134	15
1+00N 2+00E	.4	1	343	34	28	107	5
1+00N 2+50E	.7	5	357	52	22	177	5
1+00N 3+00E	.7	3	91	15	29	110	5
1+00N 3+50E	.9	5	308	29	16	96	10
1+00N 4+00E	.4	1	245	24	28	111	5
1+00N 4+50E	.3	4	258	29	17	110	5
1+00N 5+00E	.5	1	195	15	21	96	5
1+00N 5+50E	.1	1	103	9	24	92	5
1+00N 6+00E	.3	7	168	16	32	115	10
1+00N 6+50E	.6	2	110	36	36	96	5

COMPANY: HI TEC RESOURCE MANAGEMENT — MIN-EN LABS ICP REPORT — (ACT:GE027) PAGE 1 OF 1

PROJECT NO: D1-86 — 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 — FILE NO: 6-6425/P3+4

ATTENTION: J.STEEL/P.SORBARA — (604)980-5814 OR (604)988-4524 — * TYPE SOIL GEOCHEM * — DATE:AUGUST 25, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
1+00N 7+00E	.3	15	89	16	45	106	5
1+00N 7+50E	.3	11	75	9	32	94	5
1+00N 8+00E	.4	14	94	17	40	113	5
1+00N 8+50E	.2	4	74	10	33	76	10
1+00N 9+00E	.4	4	65	10	16	84	5
1+00N 9+50E	.3	8	189	27	25	100	5
1+00N 10+00E	.8	5	143	15	26	116	5
1+00N 10+50E	.7	6	372	23	30	107	5
1+00N 11+00E	.6	4	230	18	11	119	5
2+00N 0+00	.1	1	82	9	19	53	5
2+00N 0+50E	.1	1	123	7	18	37	5
2+00N 1+00E	.3	1	63	6	24	52	5
2+00N 1+50E	.2	1	69	3	18	38	5
2+00N 2+00E	.1	1	137	13	18	48	5
2+00N 2+50E	.4	7	102	10	23	69	10
2+00N 3+00E	.6	18	345	33	46	191	5
2+00N 3+50E	.1	1	587	35	14	308	5
2+00N 4+00E N/S							
2+00N 4+50E 40M	.1	1	177	9	18	88	15
2+00N 5+00E	.1	1	98	8	15	42	5
2+00N 5+50E	.1	6	103	11	22	84	5
2+00N 6+00E N/S							
2+00N 6+50E	.7	3	111	6	23	45	5
2+00N 7+00E	.6	4	91	10	33	80	10
2+00N 7+50E	.4	1	57	6	14	50	5
2+00N 8+00E	.7	13	94	21	51	111	10
2+00N 8+50E	.3	9	102	10	32	100	15
2+00N 9+00E	.4	8	298	12	54	100	10
2+00N 9+50E	.8	4	276	15	36	80	10
2+00N 10+00E	.2	1	91	5	29	79	5
2+00N 10+50E	.2	1	58	10	19	47	5
2+00N 11+00E	1.8	1	510	132	26	87	15
2+00N 11+50E	.1	1	155	42	15	54	10
2+00N 12+00E 40M	.1	3	295	108	38	130	15
2+00S 0+00	.5	1	248	8	41	40	10
2+00S 0+50E	.1	1	67	10	24	34	5
2+00S 1+00E	1.2	35	784	15	85	114	5
2+00S 1+50E	.1	16	184	24	62	90	10
2+00S 2+00E	.3	16	236	22	75	76	5
2+00S 2+50E	.3	4	84	14	56	66	10
2+00S 3+00E	1.2	44	209	39	70	59	35
2+00S 3+50E	1.0	68	494	43	87	103	5
2+00S 4+00E	.2	16	145	26	68	119	5
2+00S 4+50E	3.6	41	111	64	79	98	10
2+00S 5+00E	.9	8	191	124	50	346	5
2+00S 5+50E	.5	17	197	53	49	290	5
2+00S 6+00E	.5	20	224	94	46	216	5
2+00S 6+50E	.1	1	54	13	19	73	3
2+00S 7+00E	.1	4	201	40	35	149	5
2+00S 7+50E	.6	9	296	42	26	136	10
2+00S 8+00E	.3	1	141	21	30	136	15
2+00S 8+50E	.8	13	177	19	100	109	15
2+00S 9+00E	.8	13	139	10	80	80	520
2+00S 9+50E	3.2	1	527	27	36	120	10
2+00S 10+00E N/S							
2+00S 10+50E	1.2	20	160	33	44	485	5
2+00S 11+00E	.1	7	358	17	32	173	5
2+00S 11+50E	.1	3	465	9	26	178	5
2+00S 12+00E	.1	9	339	11	35	122	5
3+00N 0+00	.1	14	135	8	16	96	5

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: D1-86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-642S/P5+6

ATTENTION: J.STEEL/P.SORBARA | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:AUGUST 25, 1986

(VALUES IN PPM)		AG	AS	BA	CU	PB	ZN	AU-PPB
3+00N 0+50E		.1	3	414	22	48	79	5
3+00N 1+00E		.1	1	288	16	23	82	5
3+00N 1+50E		.1	9	187	10	33	90	10
3+00N 2+00E		.1	1	135	10	26	60	5
3+00N 2+50E		.1	1	144	10	19	61	5
3+00N 3+00E		.1	13	138	21	29	70	3
3+00N 3+50E		.1	2	143	11	23	84	10
3+00N 4+00E		.1	2	158	16	23	108	10
3+00N 4+50E		.1	1	384	17	30	87	5
3+00N 5+00E	N/S							
3+00N 5+50E		.1	13	172	9	34	85	5
3+00N 6+00E		.1	5	266	11	21	73	15
3+00N 6+50E		.1	7	206	11	27	93	10
3+00N 7+00E		.3	15	283	13	39	115	10
3+00N 7+50E		.1	1	217	11	28	55	5
3+00N 8+00E		.3	4	148	11	25	89	10
3+00N 8+50E		.4	1	303	100	38	89	20
3+00N 9+00E		.5	22	189	14	28	122	5
3+00N 9+50E		.4	21	159	20	51	109	15
3+00N 10+00E		.1	1	180	19	30	106	5
3+00N 10+50E		.3	1	412	21	21	59	10
3+00N 11+00E		.7	1	178	11	34	81	5
3+00N 11+50E		.4	1	97	18	35	69	5
3+00N 12+00E		.8	1	88	14	31	63	15
3+00N 12+50E		.5	4	109	28	28	88	10
4+00N 0+00		.1	1	132	10	26	85	5
4+00N 0+50E		.3	3	105	12	22	80	5
4+00N 1+00E		.2	8	140	12	21	79	20
4+00N 1+50E	N/S							
4+00N 2+00E		.2	12	112	11	34	98	5
4+00N 2+50E		.3	8	302	59	44	151	3
4+00N 3+00E		.2	6	391	30	46	118	5
4+00N 3+50E		.1	21	149	13	43	133	5
4+00N 4+00E		.2	12	196	16	37	135	5
4+00N 4+50E		.2	18	254	13	52	111	5
4+00N 5+00E		.3	8	218	12	36	110	10
5+00N 0+00		.3	1	117	9	20	91	5
5+00N 0+50E		.5	1	89	18	16	93	10
5+00N 1+00E		.3	1	92	16	25	98	90
5+00N 1+50E		.1	4	117	11	29	83	5
5+00N 2+00E		.4	14	233	26	41	133	10
5+00N 2+50E		1.0	17	503	98	27	99	15
5+00N 3+00E		.5	16	302	100	55	116	5
5+00N 3+50E		.2	6	220	62	38	88	3
5+00N 4+00E		.3	21	278	19	51	131	5
5+00N 4+50E		.2	20	238	12	60	139	5
5+00N 5+00E		.3	4	169	11	17	88	5
6+00N 0+00		.4	6	145	18	22	89	5
6+00N 0+50E		.8	22	121	28	38	105	20
6+00N 1+00E		.6	19	368	32	55	107	10
6+00N 1+50E		.3	14	336	19	34	77	5
6+00N 2+00E		.3	1	254	20	40	65	5
6+00N 2+50E		.4	1	303	13	22	73	3
6+00N 3+00E		.3	5	338	10	48	85	5
6+00N 3+50E		.3	13	324	13	58	107	5
6+00N 4+00E		.1	4	254	16	46	95	5
6+00N 4+50E		.5	23	274	16	59	131	5
6+00N 5+00E		.4	1	188	8	30	87	5
7+00N 0+00		.7	16	101	14	32	82	5

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: D1-86 & D3-86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-642S/P7+8

ATTENTION: J.STEEL/P.SORBARA | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:AUGUST 25, 1986

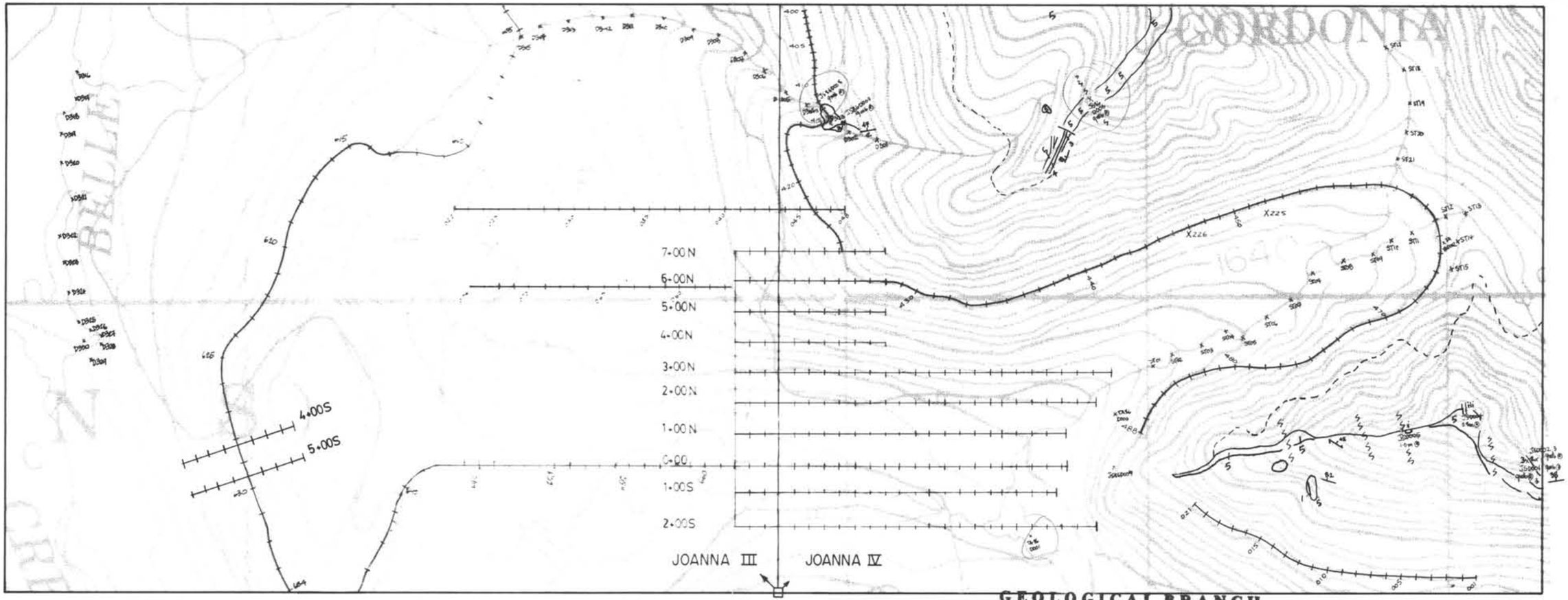
(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
7+00N 0+50E	.5	19	102	24	27	94	20
7+00N 1+00E 40M	.1	4	94	12	22	69	5
7+00N 1+50E	.2	1	99	23	22	56	3
7+00N 2+00E	.2	1	69	19	16	74	5
7+00N 2+50E	.5	12	95	22	28	78	15
7+00N 3+00E	.1	1	104	17	22	78	5
7+00N 3+50E	.1	1	188	15	23	72	10
7+00N 4+00E	.1	12	153	9	27	74	5
7+00N 4+50E 40M	.1	1	414	10	22	68	10
7+00N 5+00E	.3	13	140	6	21	118	10
D1-ST-1	1.0	1	189	60	33	166	35
D1-ST-2 40M	.6	1	133	36	26	138	10
D1-ST-3 40M	.6	2	130	36	27	130	5
D1-ST-4	.9	5	160	41	20	141	10
D1-ST-5	.9	1	158	41	29	128	5
D1-ST-6	1.2	2	170	50	16	149	10
D1-ST-7	1.3	7	220	64	31	150	20
D1-ST-8 40M	1.2	10	155	51	35	200	10
D1-ST-9	2.2	4	278	88	101	268	15
D1-ST-10	.9	1	277	85	42	181	10
D1-ST-11	.6	2	258	80	35	175	5
D1-ST 12	.6	1	271	95	49	189	10
D1-ST 13	.5	1	239	106	50	169	30
D1-ST-14	.8	1	238	166	42	213	15
D1-ST-15	1.1	1	398	93	48	170	5
D1-ST-16	.9	1	402	86	47	222	5
D1-ST-17	.5	1	318	173	38	107	10
D1-ST-18	.3	1	346	95	39	82	3
D1-ST-19	.3	1	171	83	15	80	5
D1-ST-20	.5	1	252	123	26	99	10
D1-ST-21	.7	3	253	94	18	110	10
D3-1	.3	8	269	30	35	72	5
D3-2 20M	.3	18	196	24	26	104	5
D3-3 20M	.2	13	307	58	36	109	5
D3-4	.3	14	279	51	36	92	5
D3-5	.3	1	263	76	32	102	10
D3-6	.2	16	228	75	80	108	15
D3-7	.3	16	214	64	52	103	5
D3-8 20M	.3	13	134	55	28	90	5
D3-9 20M	.7	1	135	39	24	92	3
D3-10 40M	.6	11	179	55	30	97	5
D3-11	.4	10	251	73	58	112	5
D3-12	.6	22	219	61	41	109	5
D3-13	.4	16	228	60	30	116	3
D3-14	.3	16	151	41	22	101	5
D3-15 40M	.6	48	173	44	26	121	5
D3-16	.4	19	147	37	39	151	10
D3-17	.7	22	166	43	42	176	5
D3-18 20M	.5	56	73	25	30	122	5
D3-19 20M	.4	30	100	29	35	155	5
D3-20 20M	.1	3	105	34	23	160	10
D3-21	.6	78	142	37	48	179	15
D3-22	.3	18	100	26	40	145	10
D3-23 20M	.5	52	99	22	39	123	10
D3-24	.5	7	75	23	18	137	10
D3-25	.5	16	236	58	51	217	200
D3-26	1.1	51	228	38	46	189	5
D3-27 40M	1.9	192	118	28	25	162	20
D3-28 40M	1.5	167	155	32	40	172	125
D3-29	.6	34	179	25	32	153	5

COMPANY: HI TEC RESOURCE MANAGEMENT | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: D3-86 & D2-86 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 6-642S/P9

ATTENTION: J.STEEL/P.SORBARA | (604)980-5814 OR (604)988-4524 * TYPE SOIL GEOCHEM * | DATE:AUGUST 25, 1986

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
D3-30	.1	4	123	17	52	158	65
4+00S 2+00E	.1	42	88	41	82	101	10
4+00S 1+50E	.4	21	103	34	85	90	5
4+00S 1+00E	.4	45	117	50	126	154	10
4+00S 0+50E	.5	53	182	44	117	135	5
4+00S 0+00	.6	49	171	44	152	170	5
4+00S 0+50W 40M	.1	1	311	14	22	297	5
4+00S 1+00W	.2	5	441	17	67	216	5
4+00S 1+50W 40M	54.1	3	639	25	48	306	5
4+00S 2+00W	.1	1	377	21	34	233	3
5+00S 2+00E	.6	57	151	50	98	106	5
5+00S 1+50E	.1	41	111	23	60	110	5
5+00S 1+00E	.3	26	132	23	42	100	10
5+00S 0+50E	.3	50	212	29	78	184	5
5+00S 0+00	.3	42	189	25	129	406	15
5+00S 0+50W N/S							
5+00S 1+00W	.2	33	145	23	52	100	10
5+00S 1+50W	.1	29	232	28	74	175	5
5+00S 2+00W	.9	43	292	22	75	216	5



LEGEND

5	GREY, GREEN, ORANGE BROWN MEDIUM TO COARSE GRAINED HORNBLENDE PLAGIOCLASE PORPHYRY
4	MAUVE - PURPLE MASSIVE, FINE GRAINED SILICEOUS VOLCANIC LT GREY TO GREEN
3	PLAGIOCLASE PORPHYRY BRECCIA
2	RED GREEN CHERT, COMMONLY WELL BEDDED
1	LT. BLUE TO GREY MEDIUM GRAINED ARGILLITE, COMMONLY SLIGHTLY SILICIFIED

- 78 STRIKE & DIP OF BEDDING
- 82 ATTITUDE OF FOLIATION
- LIMIT OF OUTCROP
- LIMIT OF TALUS OR FLOAT
- FAULT - OBSERVED
- FAULT - INFERRED

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,338

0 200 400 m

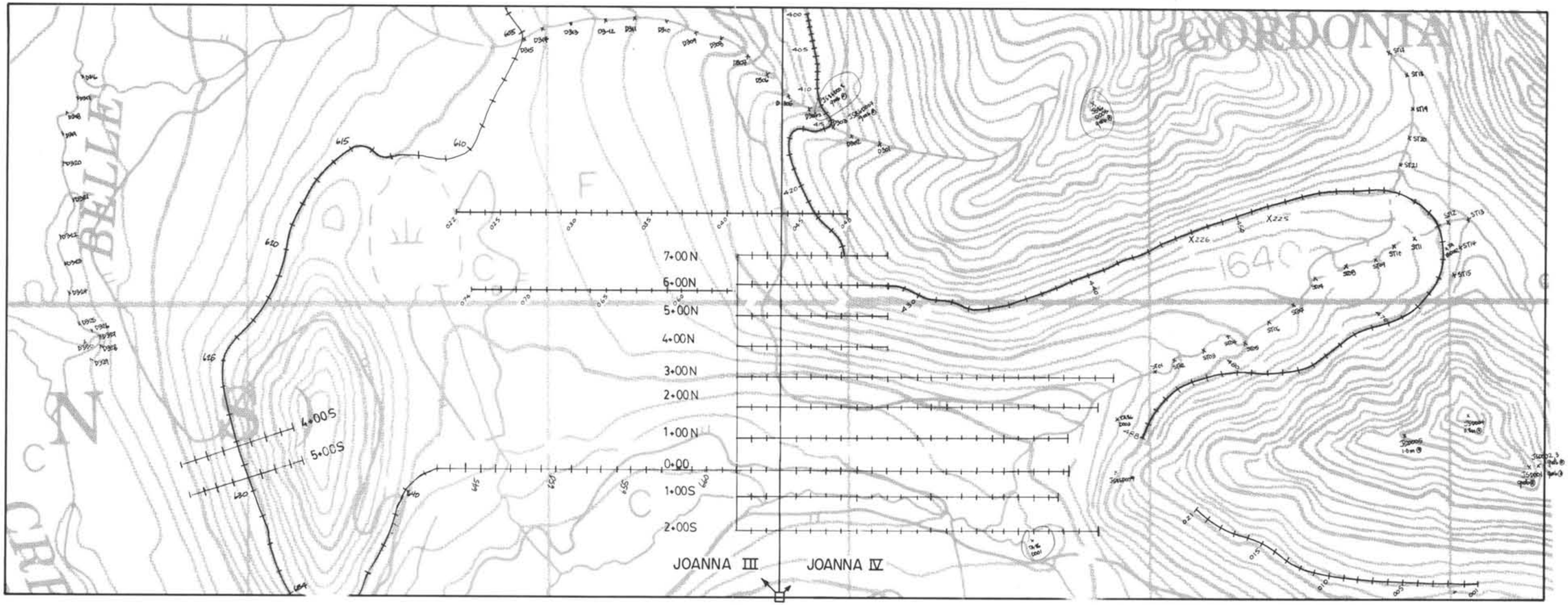
INTERNATIONAL DAMASCUS RESOURCES

JOANNA III, IV CLAIMS

OMINECA M.D., B.C. N.T.S. 94E/6

GEOLOGY

		jss	sept 86
		1:10,000	3



GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,338

LEGEND

Soil samples

× D3 or ST Silt sample

× JS or TA Rock sample with width

0 200 400
m

INTERNATIONAL DAMASCUS RESOURCES

JOANNA III IV CLAIMS

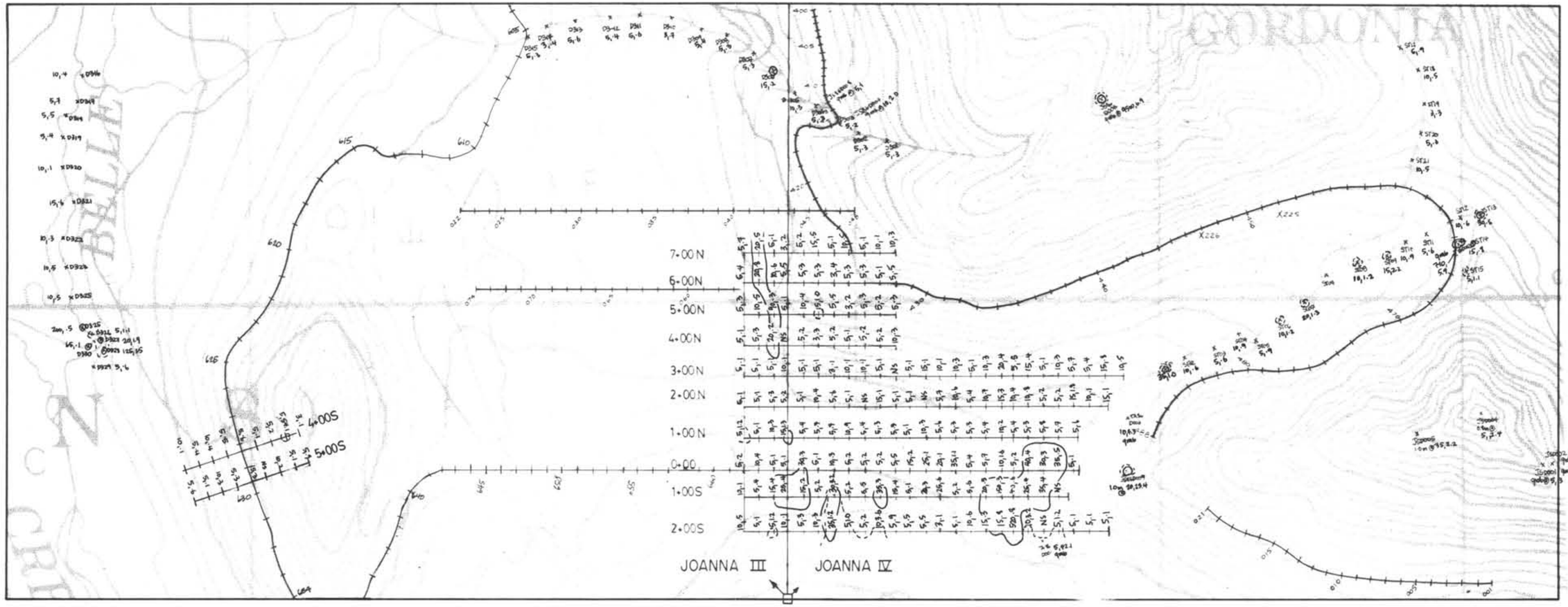
OMINECA M.D., B.C. N.T.S. 94E/6

SAMPLE LOCATION MAP

T.G. RESOURCE MANAGEMENT LIMITED

Drawn by: JSS Date: sept86

Scale: 1:10,000 Figure No. 4a



LEGEND

15.3 Au (ppb) Ag (ppm)
x Rock, Silt sample
Areas of anomalous (> 15 ppb) gold
Areas of anomalous (> 1.0 ppm) silver

GEOLOGICAL BRANCH ASSESSMENT REPORT

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0 200 400 m

INTERNATIONAL DAMASCUS RESOURCES

JOANNA III, IV CLAIMS

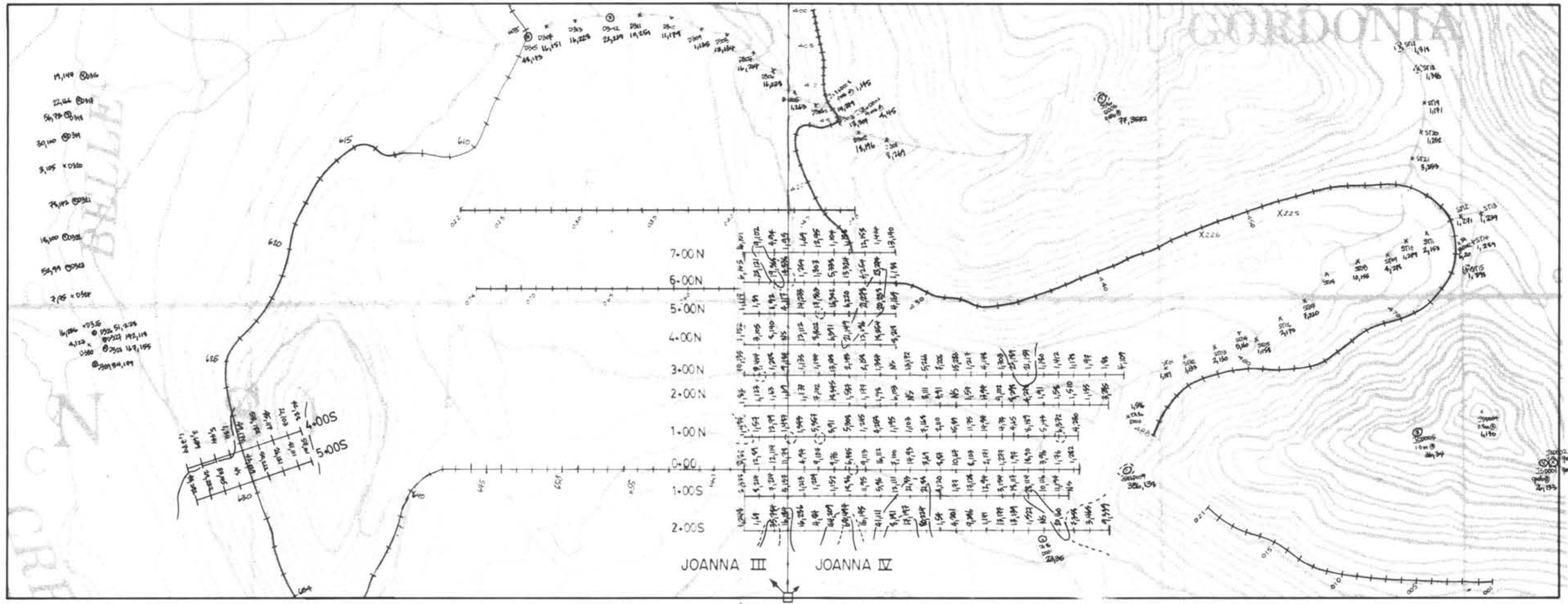
OMINECA M.D., B.C. N.T.S. 94E/6

GEOCHEMISTRY

GOLD AND SILVER

jss | sept 86

SCALE 1:10,000 | 4b



LEGEND

- As (ppm), Ba (ppm)
- Rock, Silt samples
- Areas anomalous inarseric (> 19 ppm)
- Areas anomalous in barium (360ppm)

GEOLOGICAL BRANCH ASSESSMENT REPORT

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200 400 m

INTERNATIONAL DAMASCUS RESOURCES

JOANNA III,IV CLAIMS

OMINECA M.D., B.C. N.T.S. 94E/6

GEOCHEMISTRY

ARSENIC AND BARIUM

HI TEC RESOURCE MANAGEMENT LIMITED

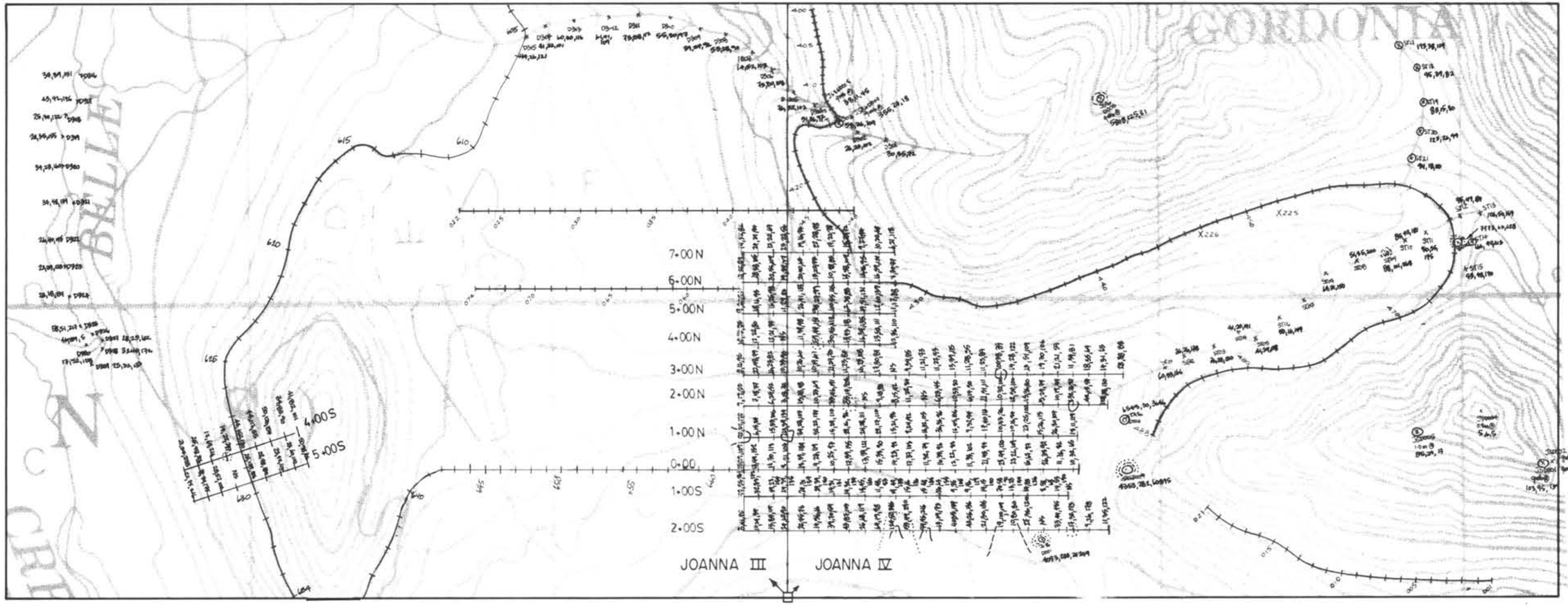
DWN BY jss

CHK BY

SCALE 1:10,000

DATE sept 86

FIGURE NO. 4c



LEGEND

- Cu (ppm), Pb (ppm), Zn (ppm)
- Rock, Silt samples
- Areas anomalous in copper (>80 ppm)
- Areas anomalous in lead (>95 ppm)
- Areas anomalous in zinc (>160ppm)

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,338

0 200 400 m

INTERNATIONAL DAMASCUS RESOURCES

JOANNA III, IV CLAIMS

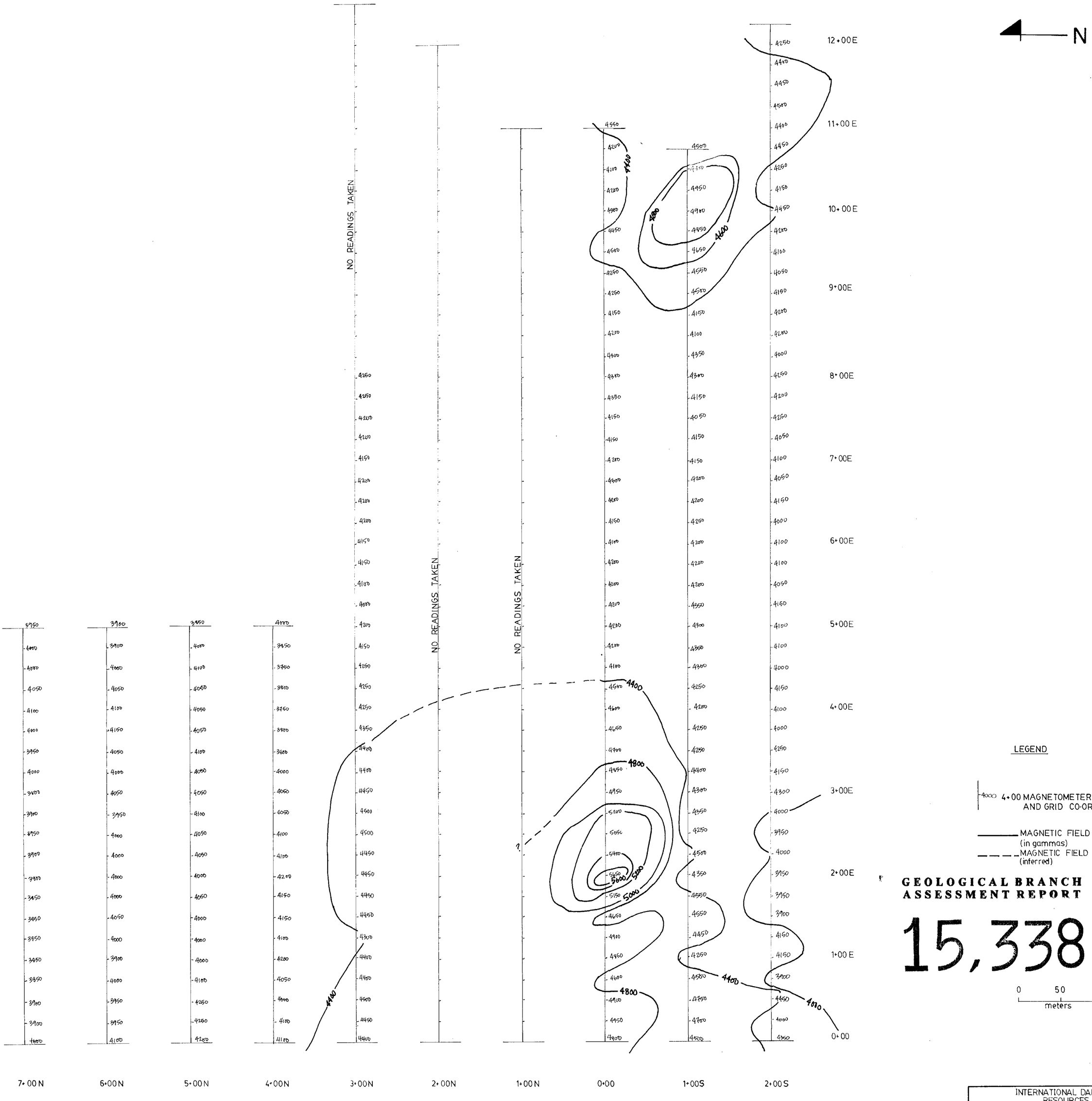
OMINECA M.D., B.C. N.T.S. 94E/6

GEOCHEMISTRY

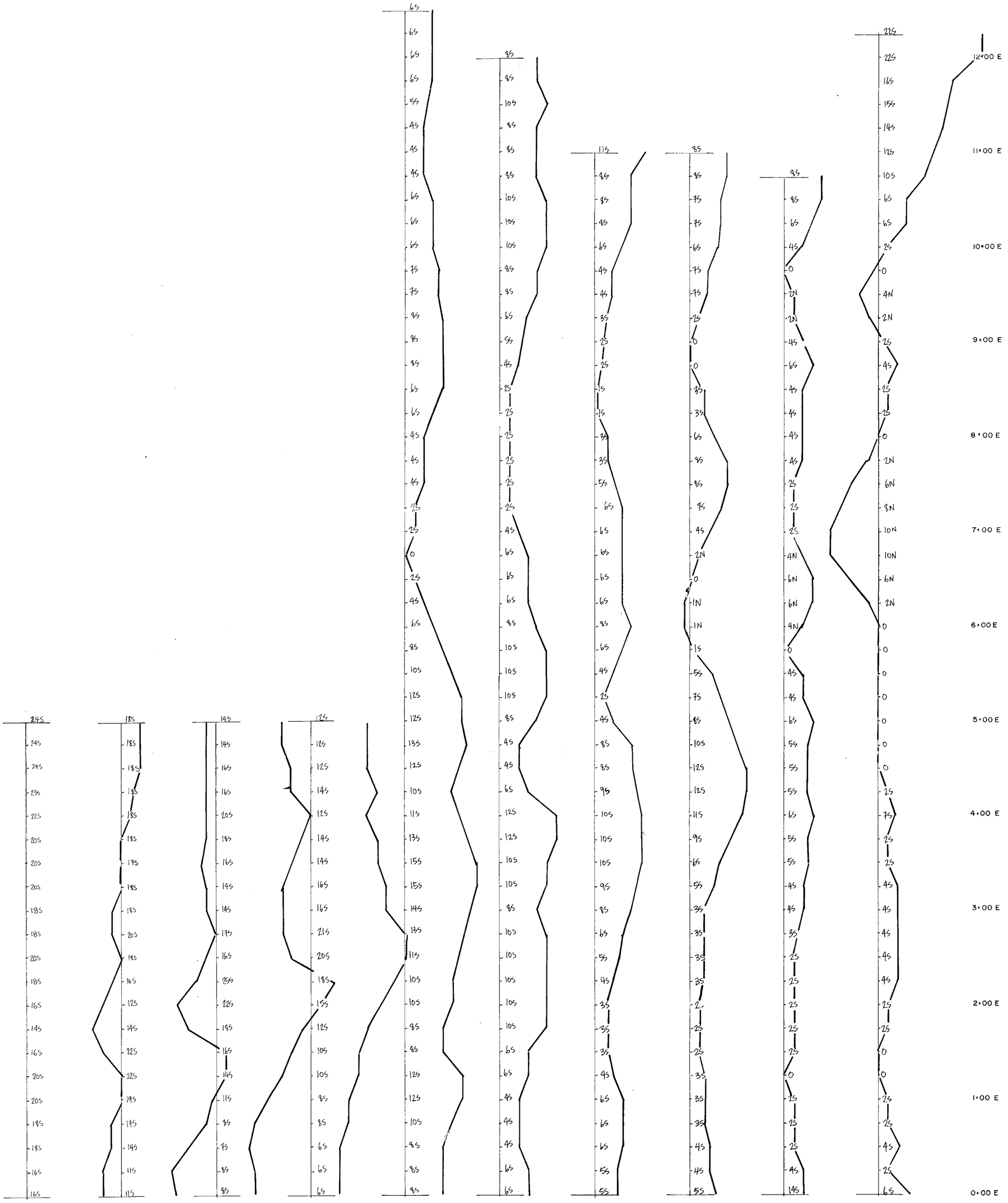
COPPER LEAD AND ZINC

jss | sept 86

SCALE 1:10,000 | FIGURE NO. 4d


N
12+00E
11+00E
10+00E
9+00E
8+00E
7+00E
6+00E
5+00E
4+00E
3+00E
2+00E
1+00E
0+00
NO READINGS TAKEN
NO READINGS TAKEN
4400
4800
5000
5200
5000
4800
4400
4400
4800
?
7+00N
6+00N
5+00N
4+00N
3+00N
2+00N
1+00N
0+00
1+00S
2+00S
LEGEND
4000 4+00 MAGNETOMETER READING AND GRID CO-ORDINATE
MAGNETIC FIELD CONTOURS (in gammas)
MAGNETIC FIELD CONTOURS (inferred)
GEOLOGICAL BRANCH
ASSESSMENT REPORT
15,338
0 50 100
meters
INTERNATIONAL DAMASCUS RESOURCES
JOANNA III, IV CLAIMS
OMINECA MD B C NTS 94E/6
MAGNETOMETER SURVEY
HI-TEC RESOURCE MANAGEMENT LIMITED
dwn: jss
chk:
scale: shown
date: sept 86
fig: 5a

N 163° SEATTLE, WA.



LEGEND

PROFILE OF DIP ANGLE OF SECONDARY ELECTROMAGNETIC FIELD

INSTRUMENT: PHOENIX VLF-2
FREQUENCY: 24.8 KHZ
TRANSMITTER: SEATTLE, WA.

0 50 100
meters

0 10 20
DEGREES OF DIP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

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INTERNATIONAL DAMASCUS RESOURCES LTD

JOANNA III, IV CLAIMS

OMINECA MD B C NTS 94 E/6

VLF-EM SURVEY
DIP ANGLE PROFILE MAP

HI-TEC RESOURCE MANAGEMENT LIMITED	dwn: ISS	date: sept 86
	chk:	fig: 5b
	scale shown	

N 163° SEATTLE, WA.

12+00 E
11+00 E
10+00 E
9+00 E
8+00 E
7+00E
6+00 E
5+00 E
4+00 E
3+00 E
2+00E
1+00 E
0+00 E

7+00N
6+00N
5+00N
4+00N
3+00N
2+00N
1+00N
0+00
1+00S
2+00S

LEGEND

5 FRASER FILTERED
7 DIP ANGLE VALUES

15 UNIT CONDUCTIVITY CONTOUR
10 UNIT CONDUCTIVITY CONTOUR
5 UNIT CONDUCTIVITY CONTOUR

INSTRUMENT: PHOENIX VLF-2
FREQUENCY: 24.8 KHZ
TRANSMITTER: SEATTLE, WA.

0 50 100
METERS

0 10 20
DEGREES OF DIP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,338

INTERNATIONAL DAMASCUS RESOURCES LTD

JOANNA III, IV CLAIMS

OMINECA MD B C NTS 94 E/6

VLF-EM SURVEY
CONTOURED FRASER FILTERED DATA

HI-TEC RESOURCE MANAGEMENT LIMITED	dwn: JSS	date: sept 86
	chk:	fig: 5c
	scale: shown	