

ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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Report on
HAND TRENCHING

on the

JET PROPERTY

Jet 1-86 YB03442-YB03527
87-104 YB18309-YB18326



Latitude 63° 12' North, Longitude 131° 16' West
NTS 1050/3

in the

Mayo Mining District, Yukon Territory

Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

by

RF. Gish, B.Sc.

April, 1999

094012

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 41,600.00.

M. B. B.
for Regional Manager, Exploration and
Geological Services for Commissioner
of Yukon Territory.

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SUMMARY AND RECOMMENDATIONS

The Jet property was staked in 1990 when reanalyses of reconnaissance scale soil and silt sample pulps collected in 1976 and 1977 by Archer, Cathro & Associates Limited returned elevated values of zinc, nickel and other metals indicative of polymetallic massive sulphide mineralization similar to that found in Lower Devonian shales at the Nick showing in central Yukon. Results of soil sampling in 1990 by NDU Resources Ltd. and 1991 by Falconbridge Limited (under an option agreement with NDU) confirmed the earlier analyses. The 1998 program of hand trenching and geological mapping was funded by the present property owner, Expatriate Resources Ltd.

The potential for sedimentary exhalative (sedex) zinc-nickel mineralization is demonstrated by intense multi-element silt and soil geochemical response on the Jet property. Chip sampling from the floor of five hand trenches excavated in 1998 returned elevated zinc (1.29%), nickel (428 ppm), copper (326 ppm), cadmium (205 ppm) and silver (4.6 ppm). This suite of metals is characteristic of the Nick polymetallic sedex mineralization but values returned are not high enough to explain the enhanced levels of the same metals returned from analyses of overlying soil samples. This is probably due to a complex secondary geochemical history involving detrital dispersion along with deep weathering and hydromorphic remobilization of the target mineralized horizon, possibly from upslope of the 1998 trenches.

Initial priority should be given to carefully controlled detailed (100 by 50 m) soil sampling over the favourable horizon across the property. Continued hand trenching should be carried out on the most promising targets generated by detailed geological mapping and sampling.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



R.F. Gish, B.Sc.

INTRODUCTION

The Jet property was staked in April 1990 by NDU Resources Ltd. to cover coincident zinc-nickel geochemical anomalies revealed by multi-element reanalyses of old geochemical pulps from samples collected by Archer, Cathro & Associates Limited in 1976 and 1977 during the course of regional exploration. NDU merged with United Keno Hill Mines Limited in the spring of 1998. Expatriate Resources Ltd. explored the claims in the summer of 1998 under an agreement with NDU which transferred to United Keno Hill. Expatriate purchased a 100% interest in the property from United Keno Hill on October 5, 1998 along with other claims in the area explored as part of the NR Project.

The 1998 exploration program consisted of hand trenching and geological mapping. This work was performed under the supervision of the author by a three-person crew in August based at a camp on the North Canal Road and in September from a fly camp on the property.

The Author's Statement of Qualifications is given in Appendix I while a list of personnel who worked on the project appears in Appendix II.

HISTORY

The Jet target was previously staked and explored by Atlas Exploration Ltd. in 1967-70, by Itsi Joint Venture (Union Oil Ltd., Aquitaine Company of Canada Ltd. and St. Joseph Explorations Ltd.) in 1976, by Hudson Bay Exploration & Development Co. Ltd. in 1981-82 and AGIP Canada Ltd. in 1983. These operators were attracted by highly anomalous values of zinc and silver in silt and water samples of local drainages. The lack of supportive lead geochemistry and the inability of prospectors to find a source for the anomalies led to abandonment of most of the properties with the geochemical response attributed to high metal backgrounds in supposed Silurian Road River Group shales. However, later mapping by the Geological Society of Canada supported with fossil evidence reassigned the country rocks to the Lower Devonian Road River Group-Earn Group contact.

The Jet Claims were staked by NDU in April 1990 based on geochemical and geological similarities with the Nick silver-zinc sedex deposit in north-central Yukon. Additional claims were added in June 1991 and the property was optioned by Falconbridge. Exploration work in 1991 consisted of geological mapping and soil sampling. This work was funded by Falconbridge and carried out by Archer Cathro. A 1992 program of geological mapping and soil sampling was conducted by Falconbridge contract and full-time staff.

During the spring of 1998 NDU merged with United Keno Hill. Expatriate Resources explored the Jet claims in the summer of 1998 under an earlier agreement with NDU which was transferred to United Keno Hill. Expatriate purchased a 100% interest in the property in October 1998.

PROPERTY, LOCATION AND ACCESS

The Jet property is located in eastern Yukon about 7 km south of Niddery Lake, approximately 35 km northwest of the North Canal Road and 140 km northeast of the community of Ross River (Figure 1). The area lies near an established winter road route through the Selwyn Mountains. The property trends roughly northwest-southeast, centred at latitude 63°12'N and longitude 131°16'W on mapsheet 105O/3. The claim block covers the north face of a southeasterly-trending ridge incised by northerly-trending drainages. Elevations on the property range from 1450 to 2050 m.

The property is comprised of 104 contiguous mineral claims registered with the Mayo Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate Resources (Figure 2). Claim registration is listed below.

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date*</u>
Jet 1-86	YB03442-YB03527	March 5, 2003
87-104	YB18309-YB18326	March 5, 2003

*Expiry dates include work done in 1998 which has been filed but not yet accepted for credit.

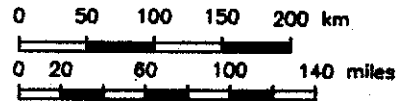
The 1998 exploration was carried out from two locations: 1) from a base camp on the North Canal Road just north of the Macmillan #1 bridge crossing where a Heli Dynamics Ltd. Bell 206B Jet Ranger provided daily set outs and pick ups; and, 2) from a fly camp on the property supported by a Bell 206B Jet Ranger supplied by Trans North Helicopters of Ross River, 140 km southwest of the property.

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FIGURE 1

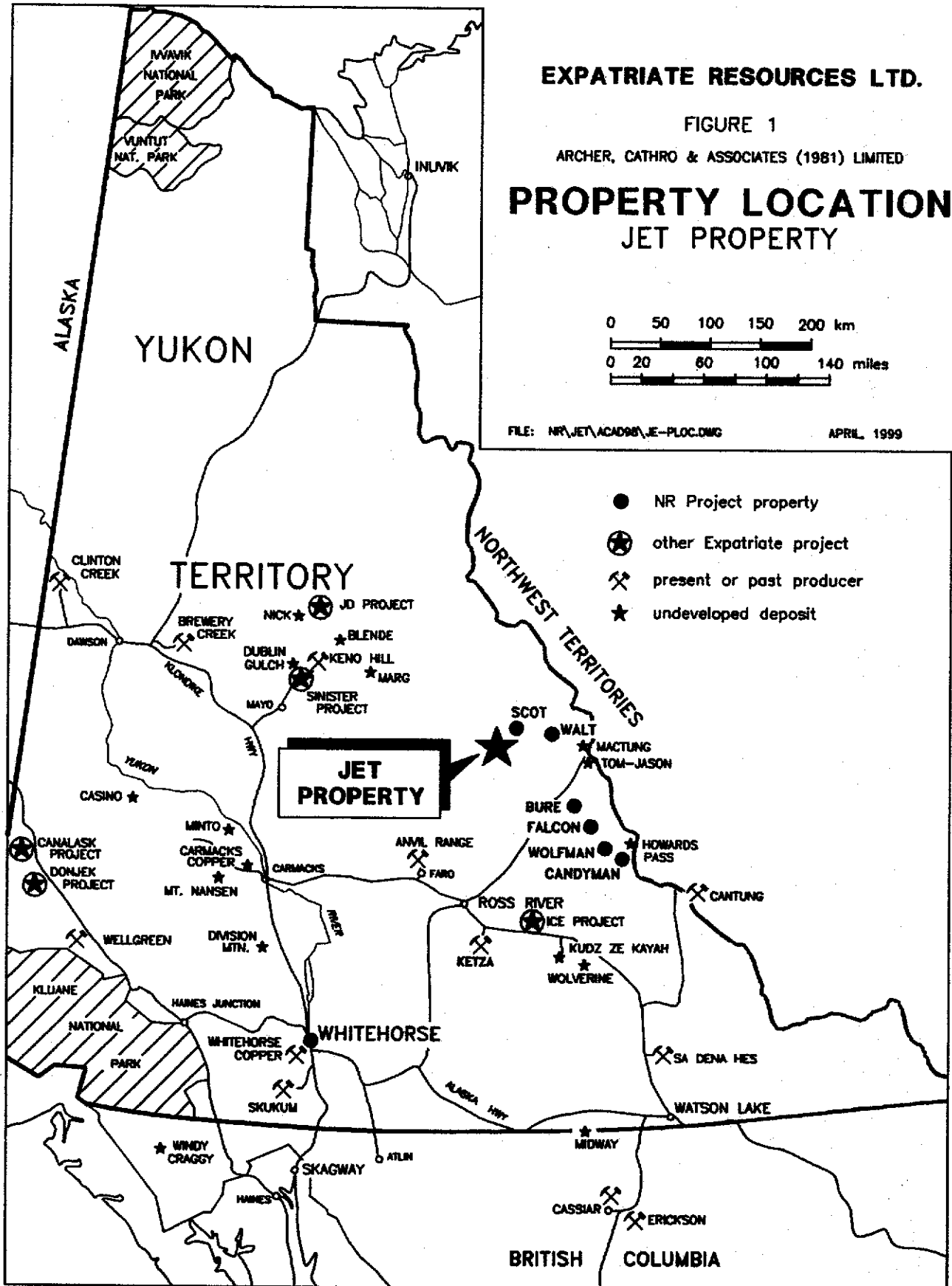
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION
JET PROPERTY



FILE: NR\JET\ACAD98\JE-PLOC.DWG

APRIL, 1999



- NR Project property
- ⊙ other Expatriate project
- ⚒ present or past producer
- ★ undeveloped deposit

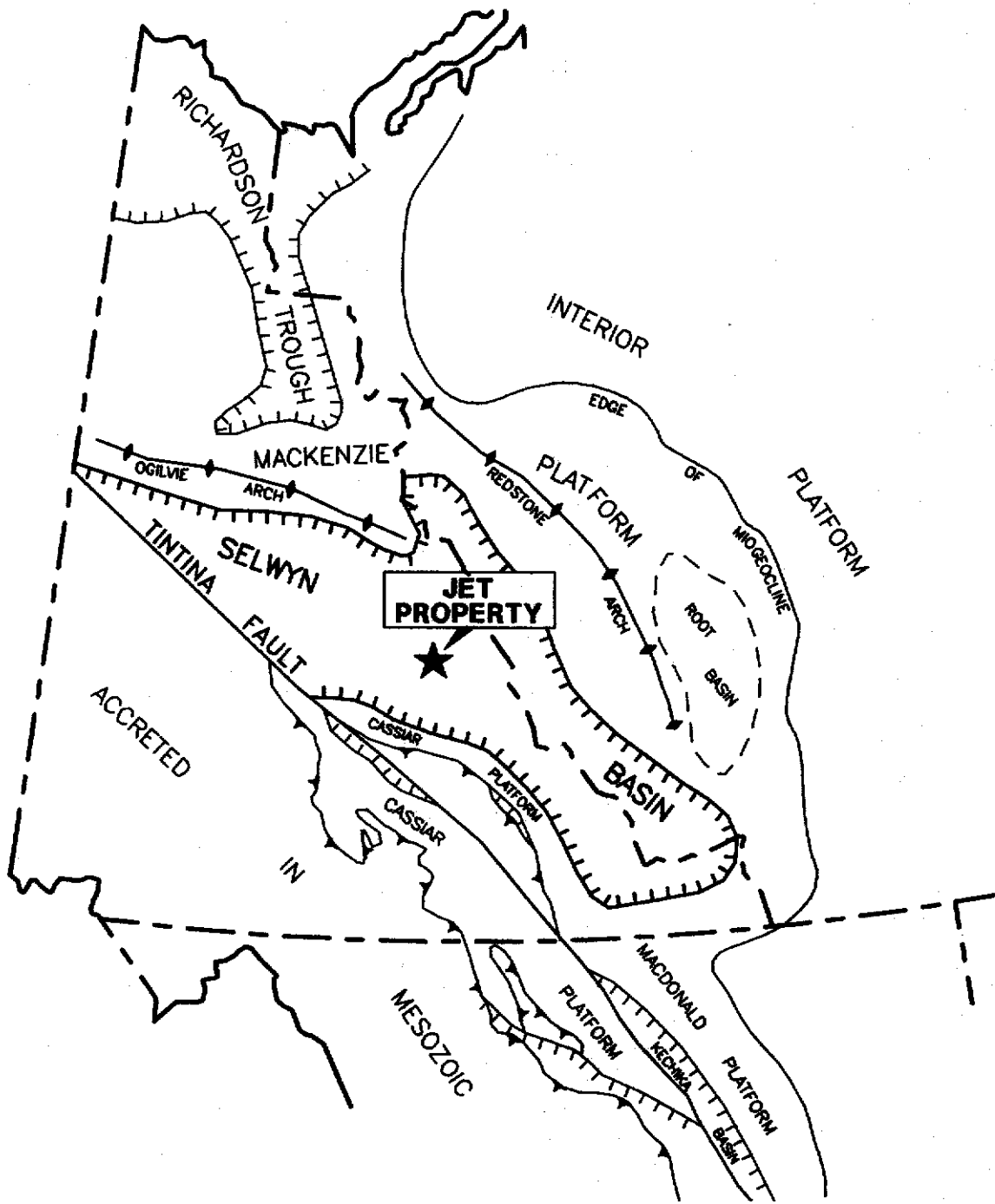
GEOLOGY

The Jet property lies along the northeast edge of Selwyn Basin, a northwest-trending belt of deep water offshore sedimentation that formed from Lower Ordovician to Lower Devonian time. This basin is bounded to the north and east by MacKenzie Platform and to the west by Cassiar Platform and Tintina Fault Zone (Figure 3).

Stratigraphy on the property is broken into two main sequences. The Lower Ordovician to Upper Silurian Road River Group comprises a variably calcareous or dolomitic starved basin shale, mudstone and chert assemblage. The overlying Early to Middle Devonian Lower Earn Group consists of fine grained siliceous argillite and black shale interfingered with coarse grained siliciclastic rocks deposited as turbidites and debris flows. Geology of the immediate area around the 1998 trenching targets is shown on Figures 4 and 5 while stratigraphy is summarized on Table I. Geology of the property is detailed in reports describing results of 1991 and 1992 exploration.

The Road River Group hosts the 500+ million tonne Howards Pass zinc-lead sedex deposit 140 km southeast of the Jet property while the unique stratiform shale hosted, nickel zinc-platinum group element bearing Nick massive sulphide mineralization in central Yukon occurs at the base of the Earn Group. The Tom and Jason barite-hosted lead-zinc-silver sedex deposits occur in Upper Devonian Earn Group siliceous argillites at Macmillan Pass, 45 km to the southeast.

Structural geology of the Jet property area is relatively simple at a large scale. The underlying strata have an overall dip of 30 to 70° southwest and are exposed along the rugged face of a southeast-trending ridge. Structural geology is more complex in detail, however. Numerous small scale faults and upright, isoclinal, low amplitude folds locally modify the essentially homoclinal strata. Normal faults and fold axes strike northeasterly paralleling regional structural trends.



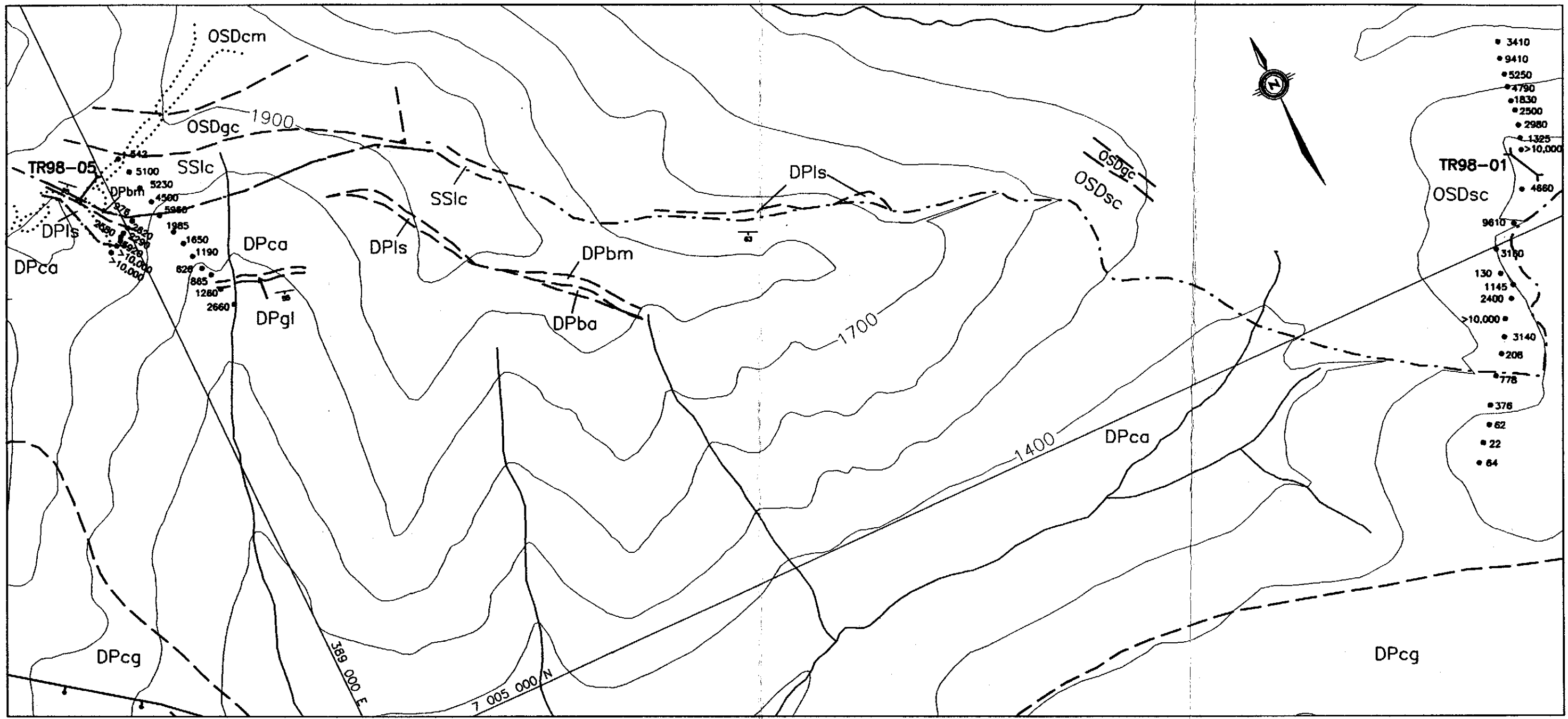
EXPATRIATE RESOURCES LTD.

FIGURE 3
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL TECTONICS
 JET PROPERTY

0 300 km

DRAFTED/REVISED BY: AG	PROJECT: NR
FILE: NR/JET/ACAD00/E-TECTONIC	DATE: APRIL, 1988



**EARLY TO MIDDLE DEVONIAN
LOWER EARN GROUP**

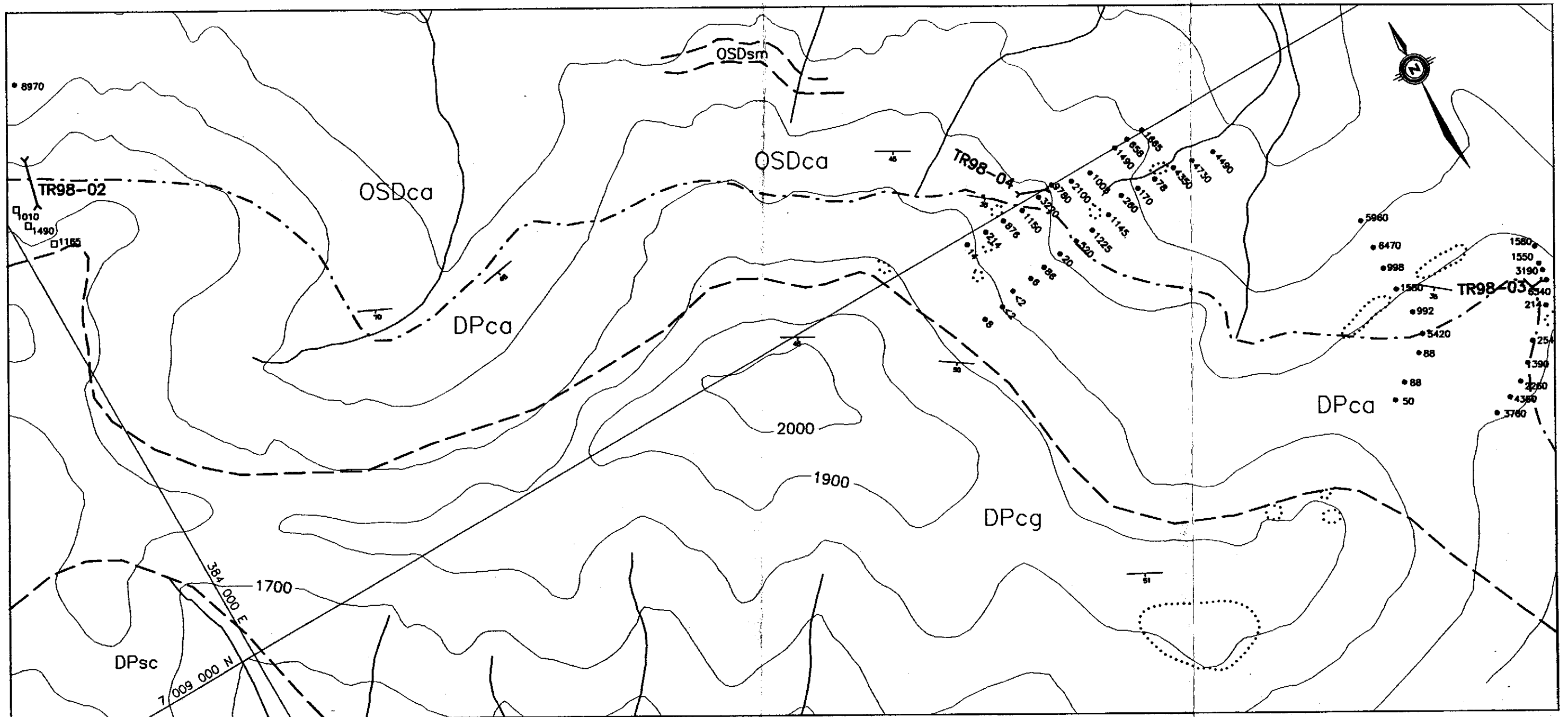
- DPcg** massive chert pebble conglomerate
- DPgl** bioclastic to micritic limestone
- DPca** black chert, cherty argillite
- DPis** grey pyritic limestone
- DPba** laminated barite, nodular barite, barium carbonate
- DPbm** sooty black, non-siliceous silty mudstone

**LOWER ORDOVICIAN TO UPPER SILURIAN
ROAD RIVER GROUP**

- SSic** pyritic chert; fossiliferous limestone lenses and pods
- OSDsc** calcareous shale, siliceous argillite and chert
- OSDgc** banded chert, pyritic chert, minor nodule limestone
- OSDcm** thin bedded calcareous mudstone and silty shale

- normal fault
- geological contact
- possible favourable horizon
- outcrop mapped in 1998
- 1991 soil sample, zinc value in ppm
- trench

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FIGURE 4 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
COMPILATION JET SE	
SCALE 1:10,000 0 100 200 300 400 500 m	
DRAFTED/REVISED BY: RFG	PROJECT: NR
FILE: ...NR\JET\ACAD98\J-COMPSE.DWG	DATE: APRIL, 1999



EARLY TO MIDDLE DEVONIAN
LOWER EARN GROUP

- DPsc bluish white weathering black shale and chert
- DPcg massive chert pebble conglomerate and thick bedded chert grit with silty shale interbeds
- DPca black chert and cherty argillite

LOWER ORDOVICIAN TO UPPER SILURIAN
ROAD RIVER GROUP

- OSDca calcareous black shale, siliceous argillite and chert
- OSDsm tan weathering dolomitic siltstone, limestone, and calcareous mudstone

- geological contact
- - - - - geological contact and possible favourable horizon
- (dotted) outcrop mapped in 1998
- (solid) 1991 soil sample, zinc value in ppm
- (solid) 1991 rock sample, zinc value in ppm
- ⌋ trench

EXPATRIATE RESOURCES LTD

FIGURE 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
COMPILATION
 JET NW

SCALE 1:10,000
 0 100 200 300 400 500 m

DRAFTED/REVISED BY: RFG	PROJECT: NR
FILE: ...NR\JET\ACAD98\J-COMP\NW.DWG	DATE: APRIL, 1999

TABLE I
STRATIGRAPHIC COLUMN - JET CLAIMS

EARLY TO MIDDLE DEVONIAN

LOWER EARN GROUP

Portrait Lake Formation

DPsc	bluish white weathering, black siliceous shale and chert
DPcg	massive chert pebble conglomerate and thick bedded chert with silty shale interbeds (debris flows and proximal turbidites)
DPgl	minor lenses of buff to grey weathering, massive to laminated, bioclastic to micritic limestone
DPca	black chert, cherty argillite
DPIs	lenses or mounds of fossiliferous, grey pyritic limestone; often with irregular masses of bitumen
DPba	dark grey laminated barite, nodular barite, barium carbonate lenses; apparently the same stratigraphic interval as DPIs
DPbm	sooty black, non-siliceous silty mudstone

LOWER ORDOVICIAN TO UPPER SILURIAN

ROAD RIVER GROUP

Steel Formation

SSlc	grey weathering, black to grey pyritic chert; discontinuous grey fossiliferous limestone lenses and pods
------	----------------------------------------------------------------------------------------------------------

Duo Lake Formation

OSDsc	calcareous, sooty black mudstone; discontinuous
OSDca	calcareous black shale, siliceous argillite and chert
OSDsm	tan-brown weathering dolomitic siltstone, limestone, calcareous mudstone
OSDgc	black and grey banded chert; rusty brown weathering grey pyritic chert; minor chert nodule limestone
OSDcm	thin bedded calcareous mudstone and silty shale

Road River Group

On the Jet property the generally recessive Road River Group consists of five units of the Duo Lake Formation and one unit of the overlying Steel Formation.

The oldest rocks exposed on the property are thin bedded calcareous mudstones and silty shales (Unit OSDcm) of the Duo Lake Formation. This unit is overlain by black and grey banded chert and rusty brown weathering pyritic grey chert with minor chert nodule limestone intervals (Unit OSDgc). Tan-brown weathering dolomitic siltstone, limestone and calcareous mudstone (Unit OSDsm) forms a reliable marker horizon within the Road River assemblage. A calcareous black shale, siliceous argillite and chert sequence (Unit OSDca) overlies the dolomitic marker unit. These rocks may display a high degree of internal structural complexity, probably due to abrupt changes in ductility between the chert and argillite members. The uppermost member of the Duo Lake Formation is a poorly exposed, relatively recessive, discontinuous, calcareous sooty black mudstone unit (Unit OSDsc).

The Steel Formation is comprised of grey weathering, black to grey pyritic chert and discontinuous grey fossiliferous limestone lenses and pods (Unit SS1c). This is the youngest unit of the Road River Group.

Geological mapping has confirmed that anomalous geochemical response is probably related to an intermittent metalliferous horizon located stratigraphically above the discontinuous limestone unit (Unit SS1c) in a setting similar to the Nick mineralization. Unlike the latter occurrence, which has carbonate concretions in the footwall, the Jet limestone is generally bedded or podiform carrying a diverse assortment of macrofossils, including trilobite carapaces, single and double ossicle crinoid fragments, as well as bryozoan and coral debris. The faunal assemblage is indicative of an upper Early

Devonian (Emsian) age of deposition in a relatively shallow water environment. This is in contrast to the apparently deep water shale facies which enclose the limestone. In addition to the unusual faunal assemblage, the carbonate is often sulphide rich with irregular pyrite masses distributed throughout. Vug fillings and scattered disseminations of bituminous material are also often present. Lenses of grey weathering, black to grey pyritic chert (Unit SS1c) occasionally occur as lateral equivalents to limestone bodies.

The unusual association of a metalliferous horizon with a sulphide rich, yet biologically diverse limestone/chert unit, might be indicative of proximity to hydrothermal vent areas in a manner analogous to present day "shallow water" biota that exist in deep water by deriving energy from oxidation of sulphide sulphur near hydrothermal vent areas rather than depending on a food chain based on photosynthesis.

Lower Earn Group

The Early to Middle Devonian Lower Earn Group on the property consists of seven units of variably fine to coarse grained siliciclastic rocks of the Portrait Lake Formation. This stratigraphy is relatively well defined because these resistant lithologies occur at higher elevations on the property. The lowest member (Unit DPbm) of the Earn Group consists of a thin, dark grey weathering, sooty, black, non-siliceous silty mudstone which overlies the Road River Group stratigraphy. Dark grey laminated barite, nodular barite and barium carbonate lenses (Unit DPba) and lenses or mounds of fossiliferous, grey, pyritic limestone, often with irregular masses of bitumen (Unit DPls) occur above the sooty black mudstone unit. Although this barite is probably correlative with baritic lead-zinc-silver sedex deposits at Macmillan Pass, results of geochemical surveys suggest that similar mineralization is

not present on the Jet property. Overlying these units is a black chert and cherty argillite sequence (Unit DPca). Minor lenses of buff to grey weathering, massive to laminated, bioclastic to micritic limestone (Unit DPgl) appear stratigraphically above the chert and cherty argillite. Resistant, massive chert pebble conglomerate and thick bedded chert with silty shale interbeds (Unit DPcg) were deposited as debris flows and proximal facies turbidites, respectively, from topographic highs to the northwest (Figure 5). The uppermost member of the Lower Earn Group and Portrait Lake Formation is a bluish white weathering, black siliceous shale and chert (Unit DPsc).

GEOCHEMISTRY AND RESULTS OF 1998 PROGRAM

Geochemistry of the Jet claims is documented in detail in reports describing 1991 and 1992 exploration results. Trench locations with geological data are shown on Figures 4 and 5 while individual trench maps with geochemical data are given in Figures 6 to 10. Descriptions of each of the five trenches follows in this section. Complete results of multi-element analyses of the 103 rock samples collected from Jet property trenches in 1998 appear as Appendix III.

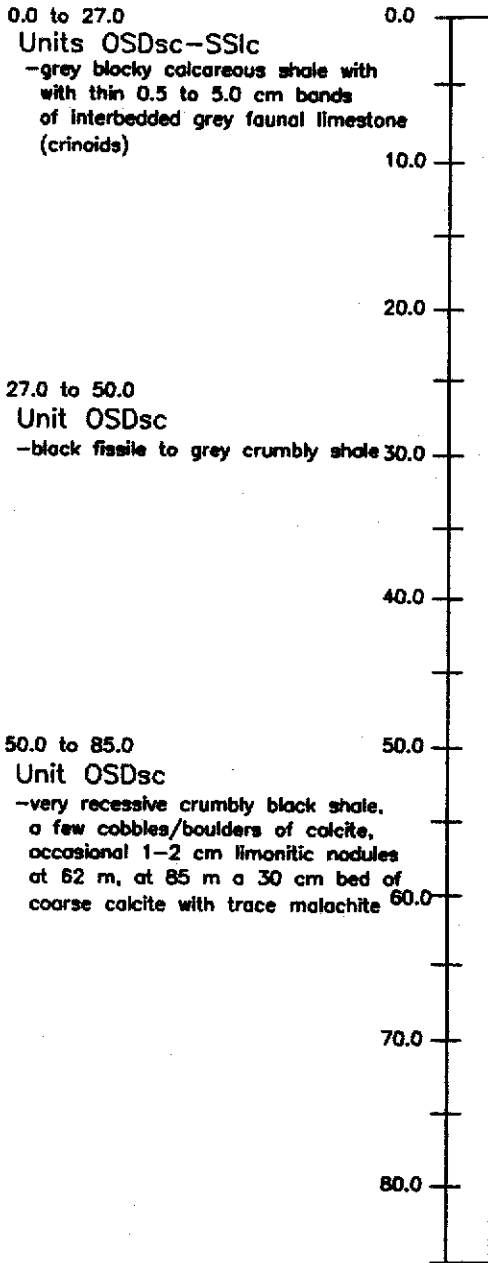
Trench floors were chip sampled at 2.5 or 3.0 m spacing. Control was provided by hand chain and compass. Sample sites are marked with 50 cm lath pickets labelled with the trench name, depth and sample number. Samples were analyzed at Chemex Labs Ltd., North Vancouver, B.C. Trench samples were prepared for geochemical analyses by a standard crushing and pulverizing procedure to -150 mesh. All samples were analyzed for thirty-two elements using induced coupled plasma (ICP) determination on nitric acid-aqua regia digestions of two gram sample splits.

Anomalous zinc, nickel, copper, cadmium and silver values reflect a source horizon at the Lower Devonian contact between the Road River and Earn Groups. This is a relatively recessive stratigraphic interval and no fresh sulphide mineralization was seen in any of the five trenches. The following peak values were obtained from trench chip sampling.

<u>Trench</u>	<u>Silver</u>	<u>Cadmium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Lead</u>	<u>Zinc</u>
TR98-01	3.6	205.0	326	428	64	12600
TR98-02	6.8	27.5	189	78	34	1335
TR98-03	4.6	4.0	80	44	42	142
TR98-04	1.8	152.5	251	223	54	5680
TR98-05	2.2	169.0	323	324	38	7600

All values are in ppm.

TRENCH TR98-01: PLAN VIEW



From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
0.0	2.5	30801	3.8	16.0	160	69	64	676
2.5	5.0	30802	3.4	19.0	192	78	38	1460
5.0	7.5	30803	3.2	180.0	231	271	34	8700
7.5	10.0	30804	3.0	205.0	326	428	28	12600
10.0	12.5	30805	2.2	147.0	226	288	30	7610
12.5	15.0	30806	2.6	80.5	155	193	34	4160
15.0	17.5	30807	1.2	35.5	54	145	18	2550
17.5	20.0	30808	1.0	38.5	63	190	24	3510
20.0	22.5	30809	0.8	33.5	41	142	16	2470
22.5	25.0	30810	0.4	14.0	22	82	6	1235
25.0	27.5	30811	0.6	10.0	26	72	4	1080
27.5	30.0	30812	2.2	17.0	118	169	14	1545
30.0	32.5	30813	2.2	17.5	133	190	14	1980
32.5	35.0	30814	3.0	21.0	179	219	22	2050
35.0	37.5	30815	2.8	25.0	189	241	20	2470
37.5	40.0	30816	2.2	28.0	158	246	18	2540
40.0	42.5	30817	1.8	29.0	126	285	28	2880
42.5	45.0	30818	1.2	23.0	85	279	28	2670
45.0	47.5	30819	0.8	26.0	60	254	20	2300
47.5	50.0	30820	0.6	11.5	57	190	22	1250
50.0	52.5	30821	0.4	9.5	50	111	8	978
52.5	55.0	30822	0.8	14.5	68	136	10	1565
55.0	57.5	30823	0.4	12.5	31	86	8	1095
57.5	60.0	30824	0.2	3.5	38	98	10	836
60.0	62.5	30825	0.4	4.0	34	92	6	762
62.5	65.0	30826	0.6	4.5	31	71	10	630
65.0	67.5	30827	0.6	3.5	20	48	6	464
67.5	70.0	30828	2.0	4.0	42	98	12	892
70.0	72.5	30829	2.0	10.0	156	143	12	986
72.5	75.0	30830	2.6	22.0	231	236	6	1630
75.0	77.5	30831	2.6	22.0	204	228	10	2010
77.5	80.0	30832	2.2	10.0	154	178	6	626
80.0	82.5	30833	1.0	13.5	53	195	8	1380
82.5	85.0	30834	1.0	35.5	95	283	10	1950

All values in ppm

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FIGURE 6 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
TRENCH TR98-01	
JET SE PROPERTY	
0 5 10 15 20 m	
DRAWN/REVISED BY: RFG	PROJECT: NR
FILE: ...\\NR\JET\ACAD\98\TR98-1.DWG	DATE: APRIL 1988

TRENCH TR98-02: PLAN VIEW

0.0 to 30.0

Unit DPca

-grey to black moderately blocky siliceous competent argillite with 1 to 3 mm bands of orange/yellow calcite

30.0 to 62.0

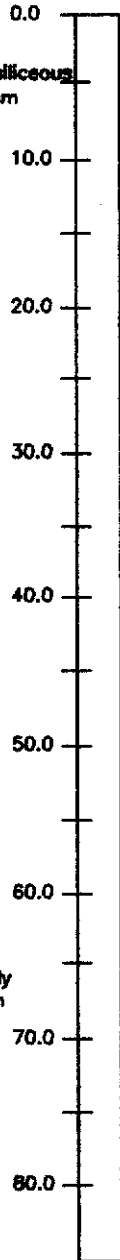
Unit DPca

-very recessive black crumbly mudstone

62.0 to 85.0

Units OSDca-SSlc

-grey fissile silty shales, moderately calcareous, at 85 m a 2 to 4 m zone of bedded limestone



From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
0.0	2.5	30635	2.2	6.0	100	52	22	350
2.5	5.0	30636	3.6	4.5	100	46	34	300
5.0	7.5	30637	3.2	4.0	79	35	12	248
7.5	10.0	30638	2.8	3.5	77	39	16	172
10.0	12.5	30639	1.8	1.5	42	29	8	82
12.5	15.0	30640	1.8	1.5	30	22	6	58
15.0	17.5	30641	2.4	2.5	54	23	10	92
17.5	20.0	30642	2.8	3.5	63	45	8	244
20.0	22.5	30643	3.0	11.0	41	78	10	768
22.5	25.0	30644	3.6	27.5	22	68	14	1335
25.0	27.5	30645	3.8	7.0	26	30	18	324
27.5	30.0	30646	3.0	6.0	118	35	16	330
30.0	32.5	30647	3.0	6.5	133	37	14	326
32.5	35.0	30648	3.6	8.0	179	37	18	310
35.0	37.5	30649	2.4	6.5	189	36	6	308
37.5	40.0	30650	2.0	3.0	158	32	10	128
40.0	42.5	30651	2.0	3.5	126	29	6	118
42.5	45.0	30652	6.8	3.5	65	14	18	92
45.0	47.5	30653	4.2	5.5	60	19	14	170
47.5	50.0	30654	3.0	2.0	57	13	14	66
50.0	52.5	30655	2.8	5.0	50	27	12	158
52.5	55.0	30656	2.2	5.0	68	34	10	172
55.0	57.5	30657	2.0	2.0	31	28	12	72
57.5	60.0	30658	2.0	2.0	38	26	8	56
60.0	62.5	30659	2.4	0.5	34	24	14	20
62.5	65.0	30660	3.6	1.5	31	17	10	32
65.0	67.5	30661	2.8	1.5	20	19	12	46
67.5	70.0	30662	2.8	2.5	60	22	12	56
70.0	72.5	30663	2.6	3.0	52	19	10	64
72.5	75.0	30664	3.2	2.0	41	31	14	44
75.0	77.5	30665	2.0	2.0	50	33	10	56
77.5	80.0	30666	2.0	2.5	59	26	10	46
80.0	82.5	30667	2.2	0.5	51	11	10	16
82.5	85.0	30668	1.0	9.5	91	54	<2	572

All values in ppm

EXPATRIATE RESOURCES LTD

FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR98-02

JET NW PROPERTY



DRAWN/REVISED BY: RFG

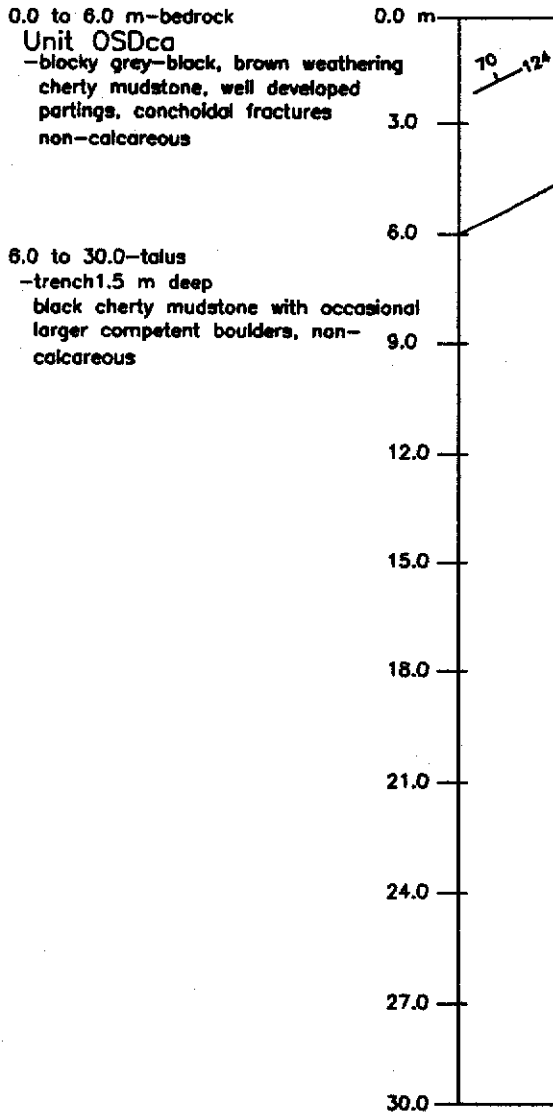
PROJECT: NR

FILE: _NR/JET/ACONS/TR98-2.DWG

DATE: APRIL, 1989

TRENCH TR98-03: PLAN VIEW

2004



From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
0.0	3.0	24166	2.8	3.0	67	43	32	132

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
3.0	6.0	24167	4.4	2.5	73	20	32	76

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
6.0	9.0	24168	3.2	3.0	51	25	42	86

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
9.0	12.0	24169	3.0	2.5	58	24	28	80

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
12.0	15.0	24170	4.6	2.5	80	32	28	98

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
15.0	18.0	24171	4.0	3.0	74	28	14	102

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
18.0	21.0	24172	3.8	4.0	78	44	28	142

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
21.0	24.0	24173	3.8	2.5	65	22	24	74

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
24.0	27.0	24174	2.6	1.5	45	21	24	64

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
27.0	30.0	24175	2.6	1.5	56	30	22	112

All values in ppm

EXPATRIATE RESOURCES LTD

FIGURE 8
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR98-03

JET NW PROPERTY



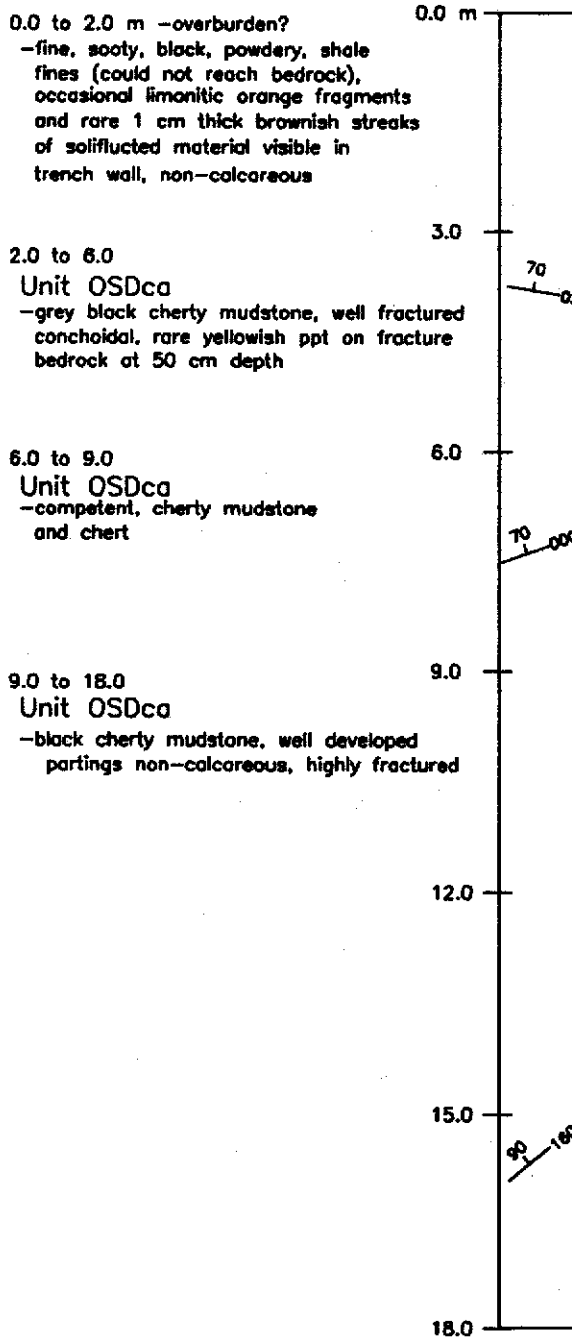
DRAWN/REVISED BY: RFG

PROJECT: MR

FILE: ...MR, JET, ACAD088, TR98-03.DWG

DATE: APRIL, 1988

TRENCH TR98-04: PLAN VIEW



0.0 to 2.0 m -overburden?
 -fine, sooty, black, powdery, shale
 fines (could not reach bedrock),
 occasional limonitic orange fragments
 and rare 1 cm thick brownish streaks
 of soliflucted material visible in
 trench wall, non-calcareous

2.0 to 6.0
 Unit OSDca
 -grey black cherty mudstone, well fractured
 conchoidal, rare yellowish ppt on fracture
 bedrock at 50 cm depth

6.0 to 9.0
 Unit OSDca
 -competent, cherty mudstone
 and chert

9.0 to 18.0
 Unit OSDca
 -black cherty mudstone, well developed
 partings non-calcareous, highly fractured

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
0.0	2.0	24176	1.8	1.5	131	30	46	196

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
2.0	6.0	24177	1.0	0.5	102	26	46	148

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
6.0	9.0	24178	1.4	4.5	179	44	44	310

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
9.0	12.0	24179	1.2	17.5	219	58	48	490

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
12.0	15.0	24180	1.0	152.5	251	223	48	5680

From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
15.0	18.0	24181	1.2	38.5	244	104	54	1505

All values in ppm

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FIGURE 9
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR98-04

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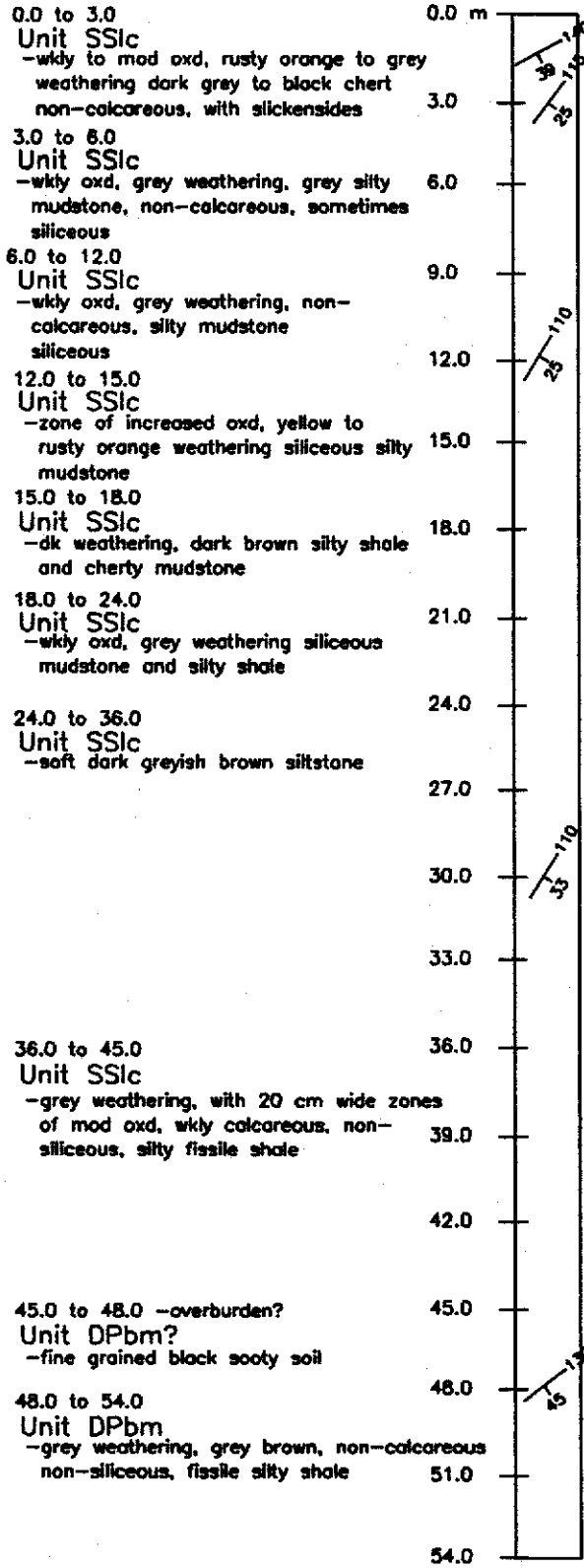
PROJECT: NR

FILE: ...NR\JET\ACAD\TR98-4.DWG

DATE: APRIL, 1999

TRENCH TR98-05: PLAN VIEW

4
1981



From	To	Sample #	Ag	Cd	Cu	Ni	Pb	Zn
0.0	3.0	24182	2.2	169	323	240	22	2550
3.0	6.0	24183	0.8	161	81	104	18	1680
6.0	9.0	24184	1.8	19	88	85	38	956
9.0	12.0	24185	1.0	43	38	90	20	1870
12.0	15.0	24186	0.6	45	34	140	14	4020
15.0	18.0	24187	1.2	12	82	156	28	2550
18.0	21.0	24188	1.6	29	95	324	20	6550
21.0	24.0	24189	1.0	50	59	193	20	4600
24.0	27.0	24190	1.2	38	80	259	38	7600
27.0	30.0	24191	1.2	17	95	183	34	3670
30.0	33.0	24192	1.0	17	71	168	34	2390
33.0	36.0	24193	0.8	31	41	96	20	1330
36.0	39.0	24194	0.8	22	31	88	16	1040
39.0	42.0	24195	0.8	3	29	58	14	638
42.0	45.0	24196	0.6	4	38	61	10	710
45.0	48.0	24197	0.6	5	40	102	10	2900
48.0	51.0	24198	1.0	7	69	83	16	1240
51.0	54.0	24199	0.8	16	66	88	14	1500

All values in ppm

EXPATRIATE RESOURCES LTD

FIGURE 10
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TRENCH TR98-05

JET SE PROPERTY

0 2.5 5 7.5 10 m

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FILE: ...MR/JET/ACAD/98/988-5.0MG	DATE: APRIL, 1989

This suite of metals is characteristic of polymetallic sedex mineralization comprising the Lower Devonian Nick deposit in central Yukon. Lead values are uniformly low suggesting that conventional barite-lead-zinc sedex mineralization is not present.

Trench 98-01 was cut uphill of an anomalous 1991 soil sample that returned values of >10,000 ppm zinc and 1550 ppm nickel (Figure 4). The 85 m long trench encountered primarily calcareous recessive crumbly black mudstone of the Duo Lake Formation Unit OSDsc (Figure 6). Within the mudstone are grey fossiliferous lenses and pods of limestone of Unit SS1c. Results of TR98-01 were generally anomalous throughout including a 2.5 m interval of 1.26% zinc, 428 ppm nickel, 326 ppm copper, 205.0 ppm cadmium and 3.0 ppm silver. Portrait Lake Formation stratigraphy was not encountered in this trench so it is not possible to speculate if the source of the anomalous soil geochemistry is from the anomalous 2.5 m interval of TR98-01 or reflects hydromorphic dispersion from a favourable horizon uphill (upsection). This trench should be continued uphill until Portrait Lake Formation is encountered.

Trench 98-02 was cut in the general locality of anomalous rock (1165 ppm zinc and 151 ppm nickel) and soil samples (8970 ppm zinc, 421 ppm nickel) (Figure 5). Bedrock of both Portrait Lake Formation Unit DPca and Duo Lake Formation Unit OSDca were exposed and sampled (Figure 7). A 2 to 4 m bed of limestone (Unit SS1c) was found within the shales of Unit OSDca. Results from the trench floor chip sampling varied from background values to moderately anomalous. Peak values of 1335 ppm zinc, 78 ppm nickel, 189 ppm copper, 27.5 ppm cadmium and 6.8 ppm silver were returned from a very recessive black crumbly shale unit. Although trench samples did not return values as anomalous as the rock and soil samples taken in the area, the favourable stratigraphic contact was encountered.

Trench 98-03 is located uphill of an anomalous soil sample which returned values of 6430 ppm zinc and 332 ppm nickel (Figure 5). Only the initial 6 m of the trench reached bedrock, consisting of cherty mudstone and chert of Unit OSDca of the Duo Lake Formation (Figure 8). The remaining 24 m of TR98-03 did not reach bedrock. Sampled bedrock and talus returned background values. Trenching did not expose the favourable horizon, therefore the source of the soil anomaly likely remains uphill of the existing trench.

Trench 98-04 was cut uphill of an anomalous soil sample that returned values of 9780 ppm zinc and 402 ppm nickel (Figure 5). The first 2 m of the trench encountered overburden consisting of fine, sooty, black, powdery, recessive shale fines (Figure 9). Bedrock in the remainder of the trench comprises cherty mudstone and chert of the Duo Lake Formation Unit OSDca. A 3 m chip sample of highly fractured cherty mudstone returned anomalous values for zinc (5680 ppm), nickel (223 ppm), copper (251 ppm) and cadmium (152.5 ppm). Trench samples were unable to duplicate the intensity of the anomalous soil sample. It is therefore possible that the targeted mineralized horizon is uphill of TR98-04 and that hydromorphic remobilization is the mechanism for the elevated soil and trench results.

Trench 98-05 was cut in a saddle, approximately 100 m north, uphill and along strike from an anomalous 1991 soil sample which returned values of >10,000 ppm zinc and 1060 ppm nickel (Figure 4). Trench stratigraphy comprises Road River Group and Lower Earn Group sediments (Figure 10). Sampled bedrock was generally badly broken however, bedding attitudes did conform to the property trend. Results of TR98-05 were generally anomalous throughout the 54 m trench including 9.0 m averaging 6200 ppm zinc and 259 ppm nickel.

APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, R. Frank Gish, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address on Bowen Island, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.Sc. majoring in Geological Sciences.
2. From 1976 to 1980 and 1986 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently employed with Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in and supervised the field work reported herein.



R.F. Gish, B.Sc.

APPENDIX II

LIST OF PERSONNEL

<u>Name</u>	<u>Position</u>	<u>Period</u>
Greg Duso	Geologist	August 4 and 5, 1998 September 1 to 7, 1998
Charles Laudadio	Field Assistant	August 4 and 5, 1998 September 1 to 7, 1998
Mark Bolton	Field Assistant	August 5, 1998
Frank Gish	Geologist	September 1 to 7, 1998

APPENDIX III
ANALYTICAL CERTIFICATES



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Page Number: 1-A
 Total Pages: 1
 Certificate Date: 22-SEP-1998
 Invoice No.: 19831073
 P.O. Number:
 Account: MPO

CERTIFICATE OF ANALYSIS A9831073

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
24046	205	294	1.8	0.67	360	250	0.5	< 2	0.01	5.0	< 1	32	404	>15.00	< 10	< 1	0.03	< 10	0.01	75	37
24166	205	294	2.8	1.14	64	670	0.5	< 2	1.49	3.0	< 1	152	67	1.27	< 10	< 1	0.29	10	0.09	10	30
24167	205	294	4.4	1.19	46	780	0.5	< 2	1.31	2.5	1	185	73	1.11	< 10	< 1	0.31	10	0.11	10	26
24168	205	294	3.2	0.95	48	580	0.5	< 2	0.94	3.0	1	180	51	1.04	< 10	< 1	0.23	10	0.16	10	19
24169	205	294	3.0	0.78	36	450	0.5	< 2	1.00	2.5	< 1	164	58	0.76	< 10	< 1	0.17	10	0.07	5	17
24170	205	294	4.6	0.98	60	830	0.5	< 2	0.75	2.5	1	191	80	1.14	< 10	< 1	0.24	10	0.17	10	20
24171	205	294	4.0	0.87	52	1390	0.5	< 2	0.84	3.0	< 1	179	74	0.94	< 10	< 1	0.22	10	0.10	5	19
24172	205	294	3.8	1.03	56	560	0.5	< 2	1.24	4.0	< 1	228	76	0.95	< 10	< 1	0.25	10	0.14	15	21
24173	205	294	3.8	0.97	46	570	0.5	< 2	0.55	2.5	< 1	187	65	0.83	< 10	< 1	0.26	10	0.09	5	25
24174	205	294	2.6	0.81	34	500	0.5	< 2	0.77	1.5	< 1	179	45	0.76	< 10	< 1	0.22	10	0.08	5	22
24175	205	294	2.6	0.89	38	530	0.5	< 2	0.42	1.5	< 1	172	56	0.97	< 10	< 1	0.24	10	0.11	10	33
24176	205	294	1.8	0.83	44	500	0.5	< 2	0.48	1.5	< 1	190	131	0.92	< 10	< 1	0.19	10	0.07	5	37
24177	205	294	1.0	0.55	46	380	< 0.5	< 2	0.05	0.5	< 1	186	102	0.71	< 10	< 1	0.14	10	0.05	5	37
24178	205	294	1.4	0.58	54	330	0.5	< 2	0.05	4.5	4	179	179	0.93	< 10	< 1	0.14	10	0.05	65	49
24179	205	294	1.2	0.89	80	490	0.5	< 2	0.10	17.5	7	172	219	1.20	< 10	< 1	0.22	10	0.07	160	67
24180	205	294	1.0	0.89	82	310	0.5	< 2	2.83	152.5	11	101	251	1.30	< 10	< 1	0.19	10	1.77	325	66
24181	205	294	1.2	0.91	80	380	0.5	< 2	0.26	38.5	10	138	244	1.10	< 10	< 1	0.22	10	0.14	195	56
24182	205	294	2.2	1.40	58	200	1.5	< 2	2.48	169.0	12	92	323	4.17	< 10	< 1	0.23	< 10	1.27	235	40
24183	205	294	0.8	0.60	22	210	0.5	< 2	3.44	161.0	10	34	81	2.75	< 10	1	0.22	< 10	1.80	185	3
24184	205	294	1.8	0.78	36	260	1.0	< 2	1.01	19.0	5	42	88	3.15	< 10	< 1	0.28	10	0.30	55	9
24185	205	294	1.0	0.67	32	340	0.5	< 2	3.89	43.5	8	33	38	2.29	< 10	< 1	0.24	10	2.45	325	10
24186	205	294	0.6	0.62	16	150	0.5	< 2	2.66	45.0	14	45	34	2.83	< 10	< 1	0.17	< 10	1.41	305	5
24187	205	294	1.2	0.56	52	200	0.5	< 2	0.72	12.0	9	52	62	2.81	< 10	< 1	0.18	10	0.43	100	39
24188	205	294	1.6	0.71	58	300	0.5	< 2	4.41	29.0	18	83	95	2.22	< 10	< 1	0.21	< 10	2.10	435	25
24189	205	294	1.0	0.75	24	410	0.5	< 2	1.68	50.5	16	49	59	2.96	< 10	< 1	0.27	< 10	1.12	325	4
24190	205	294	1.2	0.93	42	280	1.0	< 2	0.98	36.0	15	59	80	3.53	< 10	1	0.34	10	0.59	265	15
24191	205	294	1.2	0.84	42	310	0.5	< 2	0.43	17.5	8	50	95	2.66	< 10	< 1	0.29	10	0.24	115	34
24192	205	294	1.0	0.81	66	330	0.5	< 2	0.69	17.5	11	61	71	2.85	< 10	< 1	0.29	10	0.41	160	47
24193	205	294	0.8	1.01	16	290	0.5	< 2	3.51	31.5	10	51	41	3.47	< 10	< 1	0.39	< 10	2.03	245	6
24194	205	294	0.6	1.41	20	300	0.5	< 2	4.63	22.0	9	58	31	2.40	< 10	< 1	0.52	< 10	2.50	255	5
24195	205	294	0.8	1.49	18	80	0.5	< 2	2.87	3.5	10	52	29	3.28	< 10	< 1	0.65	< 10	1.92	145	1
24196	205	294	0.6	2.32	26	370	0.5	< 2	6.19	4.0	10	58	38	2.28	< 10	< 1	0.83	< 10	3.55	255	2
24197	205	294	0.6	2.21	16	190	0.5	< 2	5.02	5.0	11	60	40	2.70	< 10	< 1	0.80	< 10	2.90	250	7
24198	205	294	1.0	1.52	34	770	0.5	< 2	0.71	7.0	7	81	69	3.03	< 10	< 1	0.63	10	0.90	80	7
24199	205	294	0.8	1.20	44	140	0.5	< 2	2.49	16.5	6	63	66	4.57	< 10	< 1	0.46	< 10	0.81	110	15

CERTIFICATION:

Hartfelder



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CERTIFICATE OF ANALYSIS A9831073

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24166	205	294	< 0.01	43	7950	32	22	4	160	< 0.01	< 10	10	1055	< 10	132
24167	205	294	< 0.01	20	7160	32	26	4	139	< 0.01	< 10	10	1165	< 10	76
24168	205	294	< 0.01	25	5630	42	20	4	104	< 0.01	< 10	< 10	724	< 10	86
24169	205	294	< 0.01	24	5220	28	18	3	111	< 0.01	< 10	< 10	768	< 10	80
24170	205	294	< 0.01	32	4990	28	20	4	104	< 0.01	< 10	10	857	< 10	98
24171	205	294	< 0.01	28	4790	14	22	3	107	< 0.01	< 10	10	784	< 10	102
24172	205	294	< 0.01	44	6270	28	24	4	140	< 0.01	< 10	10	1165	< 10	142
24173	205	294	< 0.01	22	3390	24	20	4	66	< 0.01	< 10	10	1715	< 10	74
24174	205	294	< 0.01	21	4060	24	14	3	75	< 0.01	< 10	< 10	1215	< 10	64
24175	205	294	< 0.01	30	2600	22	14	3	66	< 0.01	< 10	10	1435	< 10	112
24176	205	294	< 0.01	30	2650	46	20	3	105	< 0.01	< 10	< 10	1445	< 10	196
24177	205	294	< 0.01	26	610	46	14	1	34	< 0.01	< 10	10	1405	< 10	146
24178	205	294	< 0.01	44	530	44	26	2	32	< 0.01	< 10	< 10	1255	< 10	310
24179	205	294	< 0.01	58	700	48	32	3	46	< 0.01	< 10	10	1810	< 10	490
24180	205	294	< 0.01	223	1020	48	36	4	161	< 0.01	< 10	10	1420	< 10	5680
24181	205	294	< 0.01	104	950	54	24	3	63	< 0.01	< 10	10	2120	< 10	1505
24182	205	294	< 0.01	240	2530	22	42	6	132	< 0.01	< 10	10	203	< 10	2550
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24184	205	294	< 0.01	85	1040	38	10	5	67	< 0.01	< 10	< 10	59	< 10	956
24185	205	294	< 0.01	90	690	20	10	4	181	< 0.01	< 10	< 10	60	< 10	1870
24186	205	294	< 0.01	140	500	14	8	5	100	< 0.01	< 10	< 10	32	< 10	4020
24187	205	294	< 0.01	156	820	26	18	5	52	< 0.01	< 10	10	125	< 10	2550
24188	205	294	< 0.01	324	4500	20	24	3	332	< 0.01	< 10	10	212	< 10	6550
24189	205	294	< 0.01	193	1400	20	8	4	98	< 0.01	< 10	< 10	54	< 10	4600
24190	205	294	< 0.01	259	1950	38	16	5	67	< 0.01	< 10	< 10	105	< 10	7600
24191	205	294	< 0.01	183	1530	34	12	4	53	< 0.01	< 10	10	167	< 10	3870
24192	205	294	< 0.01	168	1280	34	10	4	53	< 0.01	< 10	10	152	< 10	2390
24193	205	294	< 0.01	96	1190	20	6	6	168	< 0.01	< 10	< 10	71	< 10	1330
24194	205	294	< 0.01	88	1500	16	4	5	218	< 0.01	< 10	< 10	96	< 10	1040
24195	205	294	< 0.01	56	280	14	< 2	5	115	0.01	< 10	< 10	56	< 10	638
24196	205	294	< 0.01	61	600	10	< 2	6	239	0.03	< 10	< 10	94	< 10	710
24197	205	294	< 0.01	102	970	10	< 2	4	171	0.03	< 10	< 10	133	< 10	2900
24198	205	294	< 0.01	83	1650	16	6	3	80	0.01	< 10	< 10	126	< 10	1240
24199	205	294	< 0.01	88	1480	14	8	4	143	< 0.01	< 10	< 10	162	< 10	1500

CERTIFICATION:

Hart Richler



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A9828763

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BB30604	244 --	1.26									

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CERTIFICATE OF ANALYSIS

A9828173

SAMPLE	PREP CODE		Ag	Al	As	Ba	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB30601	205	226	3.6	0.79	66	250	0.5	< 2	2.02	16.0	3	139	160	0.94	< 10	2	0.20	10	0.13	70	39
BB30602	205	226	3.4	0.75	68	210	0.5	< 2	1.07	19.0	1	151	192	0.89	< 10	3	0.18	< 10	0.16	60	44
BB30603	205	226	3.2	0.96	80	550	0.5	< 2	4.02	160.0	10	134	231	1.46	< 10	1	0.22	10	1.29	340	46
BB30604	205	226	3.0	1.13	90	490	1.0	< 2	7.23	205	18	155	326	2.23	< 10	< 1	0.28	10	2.92	575	54
BB30605	205	226	2.2	0.89	62	400	0.5	< 2	7.79	147.0	13	130	226	1.80	< 10	< 1	0.24	10	3.90	460	50
BB30606	205	226	2.6	0.83	54	320	0.5	2	6.11	80.5	8	124	155	1.34	< 10	< 1	0.23	10	2.48	255	38
BB30607	205	226	1.2	0.31	32	440	< 0.5	< 2	14.80	35.5	6	56	54	1.36	< 10	< 1	0.09	< 10	6.38	415	27
BB30608	205	226	1.0	0.44	46	410	< 0.5	< 2	13.65	38.5	8	70	63	1.63	< 10	< 1	0.12	< 10	5.59	500	29
BB30609	205	226	0.8	0.20	20	350	< 0.5	< 2	>15.00	33.5	5	39	41	1.32	< 10	< 1	0.05	< 10	7.90	545	19
BB30610	205	226	0.4	0.11	8	300	< 0.5	2	>15.00	14.0	3	34	22	1.13	< 10	< 1	0.03	< 10	8.31	515	16
BB30611	205	226	0.6	0.14	8	300	< 0.5	6	>15.00	10.0	3	35	26	0.93	< 10	< 1	0.04	< 10	8.45	430	10
BB30612	205	226	2.2	0.69	34	380	0.5	< 2	11.90	17.0	5	148	118	1.18	< 10	< 1	0.20	10	3.91	295	19
BB30613	205	226	2.2	0.74	32	350	0.5	< 2	8.35	17.5	5	188	133	1.10	< 10	< 1	0.22	10	3.02	235	20
BB30614	205	226	3.0	1.00	52	410	1.0	< 2	7.84	21.0	6	204	179	1.44	< 10	< 1	0.30	20	2.06	215	25
BB30615	205	226	2.8	0.88	56	490	1.0	< 2	6.67	25.0	6	153	189	1.55	< 10	< 1	0.26	10	2.17	220	37
BB30616	205	226	2.2	0.69	66	260	0.5	< 2	6.79	26.0	9	72	158	1.43	< 10	< 1	0.23	10	2.54	175	60
BB30617	205	226	1.8	0.67	56	330	0.5	2	6.40	29.0	11	56	126	1.85	< 10	< 1	0.22	< 10	2.58	220	91
BB30618	205	226	1.2	0.55	46	240	0.5	< 2	5.61	23.0	11	43	85	1.84	< 10	< 1	0.18	< 10	2.65	235	82
BB30619	205	226	0.6	0.60	36	230	0.5	< 2	5.53	26.0	12	43	60	2.12	< 10	< 1	0.18	10	2.81	335	74
BB30620	205	226	0.6	0.82	30	230	0.5	< 2	4.34	11.5	10	48	57	2.22	< 10	1	0.24	10	2.49	255	50
BB30621	205	226	0.4	0.79	22	220	0.5	< 2	3.93	9.5	11	41	50	2.53	< 10	< 1	0.24	< 10	1.83	290	16
BB30622	205	226	0.6	0.81	26	210	0.5	< 2	2.20	14.5	10	44	68	2.60	< 10	< 1	0.24	< 10	1.05	195	21
BB30623	205	226	0.4	0.52	10	390	0.5	< 2	8.28	12.5	9	34	31	2.12	< 10	< 1	0.17	< 10	3.05	400	4
BB30624	205	226	0.2	0.80	12	170	0.5	< 2	3.07	3.5	12	41	38	2.80	< 10	< 1	0.26	< 10	1.55	220	5
BB30625	205	226	0.4	0.73	10	210	0.5	< 2	3.08	4.0	13	38	34	2.74	< 10	< 1	0.25	10	1.84	225	4
BB30626	205	226	0.6	0.69	8	410	0.5	2	2.16	4.5	12	35	31	2.25	< 10	< 1	0.23	10	1.25	200	3
BB30627	205	226	0.6	0.40	< 2	900	< 0.5	< 2	10.05	3.5	6	25	20	1.80	< 10	< 1	0.14	< 10	5.66	465	< 1
BB30628	205	226	2.0	0.68	22	490	0.5	< 2	5.95	4.0	11	46	42	3.11	< 10	< 1	0.22	< 10	2.89	375	7
BB30629	205	226	2.0	1.03	22	270	0.5	< 2	5.75	10.0	9	94	156	2.05	< 10	< 1	0.28	10	1.83	245	10
BB30630	205	226	2.6	1.15	28	410	1.0	< 2	4.74	22.0	8	206	231	1.35	< 10	< 1	0.28	10	1.06	170	20
BB30631	205	226	2.6	1.09	36	350	0.5	< 2	6.90	22.0	6	220	204	1.14	< 10	< 1	0.24	10	1.54	210	16
BB30632	205	226	2.2	1.05	24	430	0.5	2	8.16	10.0	5	189	154	1.05	< 10	< 1	0.20	10	2.39	185	20
BB30633	205	226	1.0	0.47	38	170	0.5	< 2	12.35	13.5	10	52	53	1.56	< 10	< 1	0.10	< 10	2.72	370	48
BB30634	205	226	1.0	0.76	48	240	0.5	< 2	6.05	35.5	11	64	95	1.84	< 10	< 1	0.21	10	3.62	245	69
BB30635	205	226	2.2	0.53	56	550	0.5	< 2	0.33	6.0	< 1	113	100	1.07	< 10	< 1	0.14	< 10	0.04	20	28
BB30636	205	226	3.6	0.47	78	350	< 0.5	< 2	0.20	4.5	1	131	100	1.80	< 10	< 1	0.14	10	0.03	20	31
BB30637	205	226	3.2	0.63	52	510	< 0.5	< 2	0.27	4.0	1	142	79	1.36	< 10	1	0.17	< 10	0.03	25	26
BB30638	205	226	2.8	0.58	44	460	< 0.5	2	0.42	3.5	1	159	77	1.06	< 10	< 1	0.16	< 10	0.11	35	30
BB30639	205	226	1.8	0.43	34	620	< 0.5	< 2	0.21	1.5	1	135	42	0.71	< 10	< 1	0.13	< 10	0.04	5	26
BB30640	205	226	1.8	0.40	24	730	< 0.5	< 2	0.11	1.5	< 1	127	30	0.68	< 10	< 1	0.14	< 10	0.03	5	32

CERTIFICATION:

Hart Kishler



Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver
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 PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

Page Number : 1-B
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 P.O. Number :
 Account : MPO

Project : NR JET
 Comments:

CERTIFICATE OF ANALYSIS A9828173

SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB30601	205	226	< 0.01	69	8030	64	46	3	154	< 0.01	< 10	10	1390	< 10	676
BB30602	205	226	< 0.01	78	3500	36	30	3	83	< 0.01	< 10	10	1445	< 10	1460
BB30603	205	226	< 0.01	271	6460	34	58	4	197	< 0.01	< 10	10	1200	< 10	8700
BB30604	205	226	< 0.01	428	9950	28	80	4	351	< 0.01	< 10	10	815	< 10	>10000
BB30605	205	226	0.01	288	5660	30	48	3	341	< 0.01	< 10	10	734	< 10	7610
BB30606	205	226	< 0.01	193	3900	34	30	3	222	< 0.01	< 10	< 10	835	< 10	4160
BB30607	205	226	0.01	145	2120	18	20	1	595	< 0.01	< 10	10	232	< 10	2550
BB30608	205	226	0.01	190	3920	24	22	2	532	< 0.01	< 10	10	315	< 10	3510
BB30609	205	226	0.01	142	1560	16	14	1	649	< 0.01	< 10	< 10	238	< 10	2470
BB30610	205	226	0.01	82	870	6	8	< 1	698	< 0.01	< 10	10	200	< 10	1235
BB30611	205	226	0.01	72	1060	4	6	1	745	< 0.01	< 10	10	223	< 10	1080
BB30612	205	226	0.01	169	6510	14	14	3	494	< 0.01	< 10	10	466	< 10	1545
BB30613	205	226	0.01	190	>10000	14	16	3	401	< 0.01	< 10	10	399	< 10	1980
BB30614	205	226	0.01	219	>10000	22	20	4	480	< 0.01	< 10	10	670	< 10	2050
BB30615	205	226	< 0.01	241	8570	20	26	4	322	< 0.01	< 10	< 10	684	< 10	2470
BB30616	205	226	< 0.01	246	2670	16	22	4	195	< 0.01	< 10	10	586	< 10	2540
BB30617	205	226	< 0.01	285	1490	28	18	4	181	< 0.01	< 10	10	481	< 10	2880
BB30618	205	226	< 0.01	279	520	26	16	4	122	< 0.01	< 10	10	338	< 10	2670
BB30619	205	226	< 0.01	254	670	20	16	5	149	< 0.01	< 10	< 10	230	< 10	2300
BB30620	205	226	< 0.01	190	610	22	10	5	121	< 0.01	< 10	< 10	285	< 10	1250
BB30621	205	226	< 0.01	111	680	8	10	5	160	< 0.01	< 10	< 10	112	< 10	978
BB30622	205	226	< 0.01	136	1360	10	10	5	78	< 0.01	< 10	< 10	165	< 10	1565
BB30623	205	226	0.01	86	1180	8	8	4	217	< 0.01	< 10	< 10	50	< 10	1095
BB30624	205	226	< 0.01	96	410	10	8	5	67	< 0.01	< 10	< 10	40	< 10	836
BB30625	205	226	< 0.01	92	410	6	8	6	88	< 0.01	< 10	< 10	37	< 10	782
BB30626	205	226	< 0.01	71	390	10	8	4	65	< 0.01	< 10	< 10	29	< 10	630
BB30627	205	226	0.01	46	390	6	8	3	522	< 0.01	< 10	< 10	18	< 10	464
BB30628	205	226	0.01	98	1510	12	14	5	198	< 0.01	< 10	< 10	68	< 10	892
BB30629	205	226	< 0.01	143	7520	12	16	5	305	< 0.01	< 10	< 10	214	< 10	986
BB30630	205	226	< 0.01	238	>10000	6	12	4	271	< 0.01	< 10	10	533	< 10	1630
BB30631	205	226	< 0.01	228	>10000	10	12	4	386	< 0.01	< 10	10	504	< 10	2010
BB30632	205	226	< 0.01	178	>10000	6	10	4	480	< 0.01	< 10	10	387	< 10	826
BB30633	205	226	< 0.01	195	930	8	16	4	248	< 0.01	< 10	10	172	< 10	1360
BB30634	205	226	0.01	263	570	10	12	5	189	< 0.01	< 10	10	606	< 10	1950
BB30635	205	226	< 0.01	52	720	22	18	2	68	< 0.01	< 10	< 10	518	< 10	350
BB30636	205	226	< 0.01	46	1500	34	24	3	91	< 0.01	< 10	< 10	454	< 10	300
BB30637	205	226	< 0.01	35	1480	12	14	2	67	0.01	< 10	< 10	522	< 10	248
BB30638	205	226	< 0.01	39	1210	16	14	2	62	< 0.01	< 10	< 10	506	< 10	172
BB30639	205	226	< 0.01	29	720	8	10	1	47	< 0.01	< 10	< 10	417	< 10	82
BB30640	205	226	< 0.01	22	490	8	12	1	46	< 0.01	< 10	< 10	400	< 10	58

CERTIFICATION:

Hart Richter



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CERTIFICATE OF ANALYSIS A9828173

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB30641	205	226	2.4	0.48	32	1110	< 0.5	< 2	0.17	2.5	< 1	129	44	0.77	< 10	< 1	0.14	< 10	0.05	15	31
BB30642	205	226	2.8	0.74	54	310	0.5	< 2	0.34	3.5	1	159	67	1.41	< 10	1	0.14	< 10	0.03	10	33
BB30643	205	226	3.0	0.90	62	530	0.5	< 2	0.69	11.0	3	193	115	1.47	< 10	< 1	0.13	< 10	0.10	50	31
BB30644	205	226	3.6	0.96	74	460	0.5	< 2	0.82	27.5	2	129	130	2.04	< 10	1	0.15	10	0.06	130	30
BB30645	205	226	3.8	0.76	52	470	0.5	< 2	0.68	7.0	< 1	135	65	1.74	< 10	2	0.20	10	0.08	45	29
BB30646	205	226	3.0	0.69	52	560	0.5	< 2	0.43	6.0	< 1	142	73	1.39	< 10	< 1	0.15	10	0.08	45	28
BB30647	205	226	3.0	0.90	40	680	0.5	< 2	1.01	6.5	< 1	121	55	1.26	< 10	< 1	0.21	10	0.08	40	23
BB30648	205	226	3.6	0.94	42	670	0.5	< 2	0.85	8.0	1	109	71	1.28	< 10	1	0.24	10	0.15	60	38
BB30649	205	226	2.4	1.21	30	240	0.5	< 2	1.80	6.5	1	137	70	0.92	< 10	< 1	0.22	< 10	0.06	30	35
BB30650	205	226	2.0	0.79	34	480	0.5	< 2	0.74	3.0	< 1	126	57	0.83	< 10	< 1	0.17	< 10	0.06	15	30
BB30651	205	226	2.0	0.77	32	290	0.5	< 2	0.95	3.5	< 1	122	57	0.75	< 10	< 1	0.17	< 10	0.08	10	38
BB30652	205	226	6.8	0.75	52	140	0.5	< 2	1.78	3.5	< 1	99	53	1.15	< 10	1	0.21	< 10	0.07	10	20
BB30653	205	226	4.2	0.51	58	250	< 0.5	< 2	0.73	5.5	< 1	86	58	1.80	< 10	< 1	0.20	< 10	0.11	30	35
BB30654	205	226	3.0	0.43	30	470	< 0.5	< 2	0.15	2.0	< 1	110	38	0.88	< 10	1	0.13	< 10	0.04	5	37
BB30655	205	226	2.8	0.67	30	710	< 0.5	< 2	0.55	5.0	< 1	119	62	1.14	< 10	< 1	0.17	< 10	0.06	25	25
BB30656	205	226	2.2	0.73	30	780	0.5	< 2	0.87	5.0	< 1	125	63	0.87	< 10	< 1	0.17	< 10	0.07	30	26
BB30657	205	226	2.0	0.49	20	490	< 0.5	< 2	0.18	2.0	< 1	155	73	0.76	< 10	< 1	0.16	< 10	0.05	10	27
BB30658	205	226	2.0	0.63	20	540	0.5	< 2	0.10	2.0	< 1	125	72	0.63	< 10	< 1	0.18	< 10	0.04	5	31
BB30659	205	226	2.4	0.57	20	680	< 0.5	< 2	0.03	0.5	< 1	129	72	0.64	< 10	< 1	0.15	< 10	0.04	< 5	43
BB30660	205	226	3.6	0.57	66	250	< 0.5	< 2	0.21	1.5	< 1	112	61	1.75	< 10	< 1	0.19	< 10	0.07	5	32
BB30661	205	226	2.8	0.42	38	510	< 0.5	< 2	0.03	1.5	< 1	106	46	0.91	< 10	< 1	0.13	< 10	0.03	< 5	38
BB30662	205	226	2.8	0.51	34	560	< 0.5	< 2	0.17	2.5	< 1	141	60	0.87	< 10	< 1	0.12	10	0.04	5	24
BB30663	205	226	2.6	0.48	30	670	< 0.5	< 2	0.09	3.0	< 1	109	52	0.71	< 10	< 1	0.14	10	0.05	15	40
BB30664	205	226	3.2	0.55	40	570	< 0.5	< 2	0.05	2.0	< 1	108	41	1.10	< 10	< 1	0.15	10	0.04	5	48
BB30665	205	226	2.0	0.72	24	690	0.5	< 2	0.53	2.0	< 1	123	50	0.73	< 10	< 1	0.16	< 10	0.05	5	21
BB30666	205	226	2.0	0.52	38	510	< 0.5	< 2	0.34	2.5	< 1	109	59	1.07	< 10	1	0.09	10	0.14	25	31
BB30667	205	226	2.2	0.50	32	400	< 0.5	< 2	0.13	0.5	< 1	79	51	1.45	< 10	1	0.19	10	0.07	5	27
BB30668	205	226	1.0	0.30	8	1330	< 0.5	< 2	14.45	9.5	1	62	91	0.74	< 10	< 1	0.03	< 10	0.69	145	23

CERTIFICATION: *Hart Kichler*



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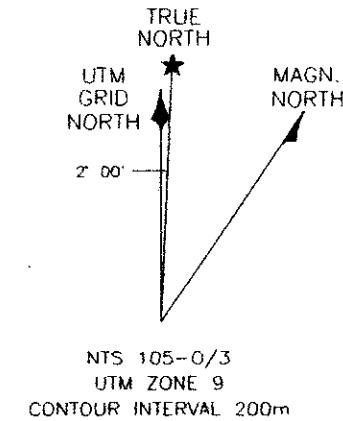
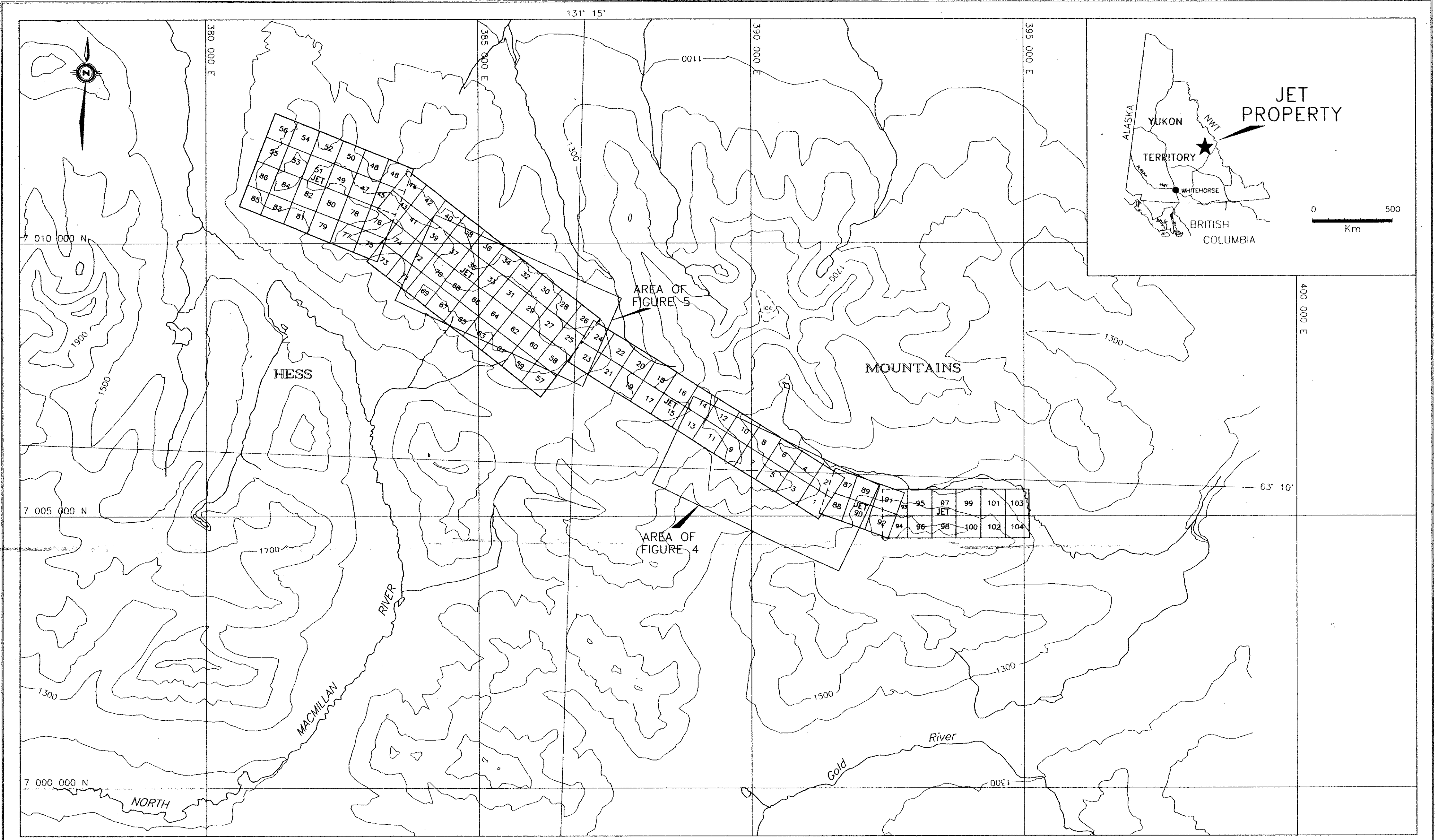
CERTIFICATE OF ANALYSIS

A9828173

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB30641	205	226	< 0.01	23	870	10	14	1	73	< 0.01	< 10	< 10	431	< 10	92
BB30642	205	226	< 0.01	45	1950	8	20	2	130	0.02	< 10	< 10	654	< 10	244
BB30643	205	226	< 0.01	78	2610	10	24	3	129	0.03	< 10	< 10	693	< 10	788
BB30644	205	226	< 0.01	68	4520	14	28	4	218	0.01	< 10	< 10	516	< 10	1335
BB30645	205	226	< 0.01	30	4210	18	20	3	128	< 0.01	< 10	< 10	449	< 10	324
BB30646	205	226	< 0.01	35	2760	16	16	2	87	< 0.01	< 10	< 10	459	< 10	330
BB30647	205	226	< 0.01	37	4470	14	20	3	135	< 0.01	< 10	< 10	445	< 10	328
BB30648	205	226	< 0.01	37	3780	18	22	3	146	< 0.01	< 10	< 10	381	< 10	310
BB30649	205	226	< 0.01	36	5870	6	14	3	163	0.01	< 10	< 10	469	< 10	308
BB30650	205	226	< 0.01	32	2660	10	14	2	153	< 0.01	< 10	< 10	504	< 10	128
BB30651	205	226	< 0.01	29	2610	6	14	2	133	< 0.01	< 10	< 10	527	< 10	118
BB30652	205	226	< 0.01	14	3900	18	18	2	233	< 0.01	< 10	< 10	409	< 10	92
BB30653	205	226	< 0.01	19	3170	14	14	2	96	< 0.01	< 10	< 10	371	< 10	170
BB30654	205	226	< 0.01	13	1710	14	12	1	67	< 0.01	< 10	< 10	344	< 10	66
BB30655	205	226	< 0.01	27	3510	12	12	2	107	< 0.01	< 10	< 10	413	< 10	158
BB30656	205	226	< 0.01	34	3220	10	12	2	99	0.01	< 10	< 10	478	< 10	172
BB30657	205	226	< 0.01	28	860	12	6	1	47	< 0.01	< 10	< 10	517	< 10	72
BB30658	205	226	< 0.01	26	750	8	10	1	29	< 0.01	< 10	< 10	617	< 10	56
BB30659	205	226	< 0.01	24	620	14	14	1	44	< 0.01	< 10	< 10	664	< 10	20
BB30660	205	226	< 0.01	17	2560	10	16	4	114	< 0.01	< 10	< 10	656	< 10	32
BB30661	205	226	< 0.01	19	1180	12	16	1	60	< 0.01	< 10	< 10	443	< 10	46
BB30662	205	226	< 0.01	22	1980	12	14	1	117	< 0.01	< 10	< 10	524	< 10	56
BB30663	205	226	< 0.01	19	1290	10	10	1	87	< 0.01	< 10	< 10	517	< 10	64
BB30664	205	226	< 0.01	31	2200	14	18	1	68	< 0.01	< 10	< 10	680	< 10	44
BB30665	205	226	< 0.01	33	3690	10	12	1	101	< 0.01	< 10	< 10	350	< 10	56
BB30666	205	226	< 0.01	26	1960	10	14	1	93	< 0.01	< 10	< 10	236	< 10	46
BB30667	205	226	< 0.01	11	2180	10	8	2	97	< 0.01	< 10	< 10	262	< 10	16
BB30668	205	226	< 0.01	54	850	< 2	6	2	458	0.03	< 10	< 10	478	< 10	572

CERTIFICATION:

Hart Riebler



EXPATRIATE RESOURCES LTD.

FIGURE 2
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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