GEOCHEMISTRY and PROSPECTING

REPORT

HEM 1-6 CLAIMS

GRANT #

YC19966-YC19970

094249

DAWSON MINING DISTRICT

NTS# 116 G\1

LAT: 65' 03 N

LONG: 138' 08 W

AUTHOR OF REPORT : SHAWN RYAN

WORK PERFORMED JUNE 15,2000

DATE OF REPORT OCTOBER, 2001

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 $ 1200.00.

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

TABLE OF CONTENT

SUMMARY

The HEM 1-6 claims grant # yc19966-yc19970 owned by Shawn Ryan will be renewed for two years I staked the HEM claims to cover a Hematite Breccia along the Dempster highway. I sample new float outcrop with sample running up to .9% Cu.

INTRODUCTION

The Hem claims are staked on a Hematite Breccia of Proterozoic age. The model deposit is Olympic Dam type. I have prospected the area for the last few years and feel this area has great potential. The potential comes in by meeting some key geological criteria.

One is structural control, the second is regional magnetic high. The GSC colour regional magnetic map shows exactly a regional magnetic high on a what appears to be a regional structural trend with both the Olympic and Monster Claim groups.

The Hem claims also has a third critical feature which is elevation in the Breccia system. The Devil claims assessment report points to silicification, and serite alteration. Both these alteration are found in the more prospected environment of the upper 2 kilometers of a potential 6 kilometer system.

So it seems that the Hem claim area warrants further prospecting.

LOCATION

The Hem claims are located 80 miles north of Dawson City.

ACCESS

The property can be reach via vehicle along the Dempster hwy at the 158 kilometer mark.

PROPERTY GEOLOGY

The property geology is mainly in a Proterozoic rock unit called the Quartet group which is intruded by a hematite breccia.

WORK PERFORMED/ METHODS

I prospected for new float coming from the side hill of the highway. I found four new copper float along the highway all within the same 200 meter area. I concentrated my efforts along a mafic gabro and hematite breccia. Most of the copper was from the green mafic gabroic rocks.

GEOCHEMISTRY SURVEY

I assay seven rocks in which six was from the Hem claims. The rocks where assyed for gold plus 34 elements. All assay where done at the Chemex Lab in Vancouver B.C. The gold value where done by fire assay of 15 gram samples and the 34 elements where process by ICP method.

INTERPRETATION

The rock sample processed show positive copper value with the highest sample running 9310 ppm Cu. The anomalous Cu in rocks give more support to the Olympic Dam type model for the area.

RECOMMONDATION

I would recommend regional prospecting to be done to define the extent of the Hematite breccia. I would then recommended staking new claims over any Breccia found. Once this is done I would recommend a flagged grid with a magnetic survey followed by a gravity survey over the magnetic anomaly. If any gravity anomalies are found the next step would be to follow up with drilling.

COST

3 days prospecting at 250.00 daily		750.00
3 days truck rental plus gas		300.00
Assay cost		150.00
Report writing		300.00
	Total	$1500.00

ROCK DESCRIPTION

HEMHWYR01 Rock, float, pyrrhotite with chalcopyrite

HEM20R02 Rock, float, felsic, limy

HEM20R03 Rock, float, green lots of visible chalcopyrite, hematite breccia.

HEM20R04 Rock, float, green, hematite breccia, chalcopyrite.

HEM20R0111 Rock, float, purple, hematite breccia.

HEM20R22 Rock, float, purple, hematite breccia.

HEM20R0333 Rock, float, massive hematite, breccia.

QUALIFICATIONS

I have being involved in the exploration business for the last 19 years.

I have trained as a geophysical technician with Kidd Creek Exploration for eight years.

I have worked as a geophysical contractor for 11 years.

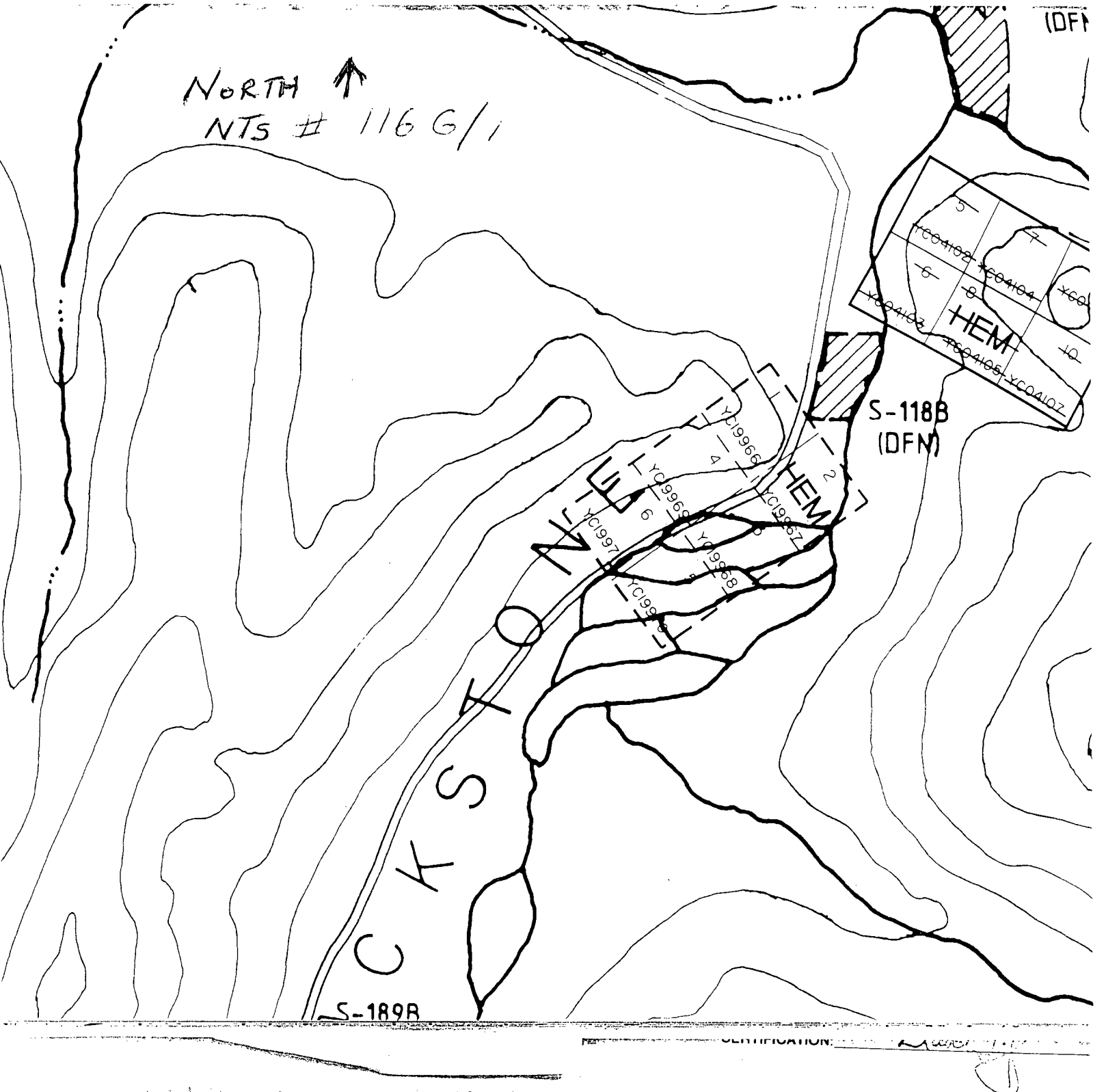
I have ran numerous geophysical surveys and soil sampling surveys in the Yukon and Ontario.

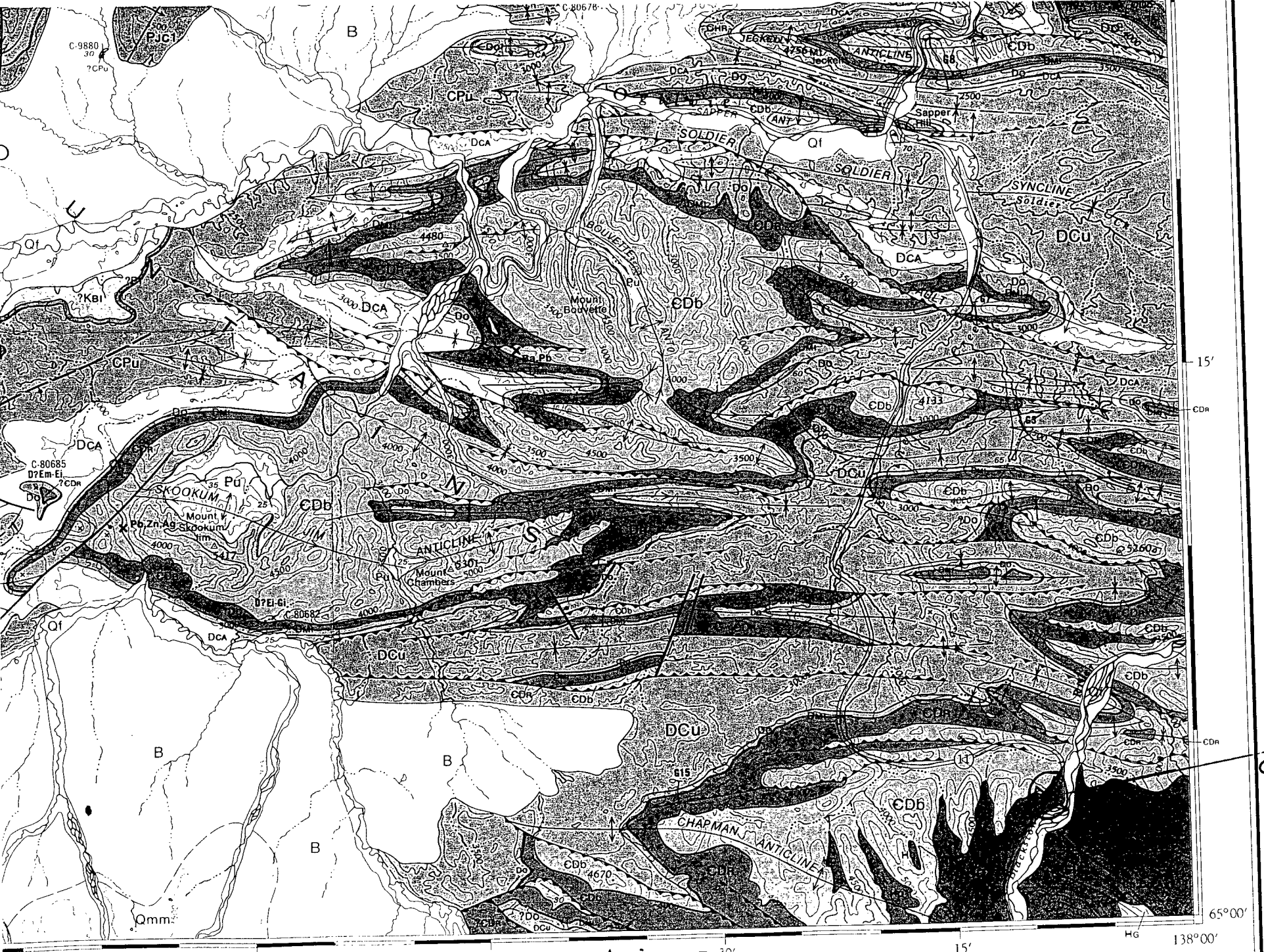
I have being actively prospecting in the Yukon for the last seven years.

I have being the prospector in charge of gathering the data and have overview the whole project.

I owned 100 percent in the HEM 1-6 Claims

PROSPECTOR


NORTH
NTS # 116 G/1
(DFN
HEM
S-118B
(DFN)
HEM
CKS FONTAINE
S-189B



HEM Claims

OGilvie River

1-250,000 Scale

GEOLOGY MAP

G.S.C. MAP # 1526A

Printed by Surveys and Mapping Branch, Published, 1982

PALEOZOIC

Cb — *Sandstone, brown weathering; conglomerate; limestone, skeletal; marine*

LOWER AND UPPER CARBONIFEROUS

CHR — *HART RIVER FORMATION: limestone, brownish grey weathering, skeletal, micritic; dolomite; chert; marine; may include equivalents of Ford Lake Shale and Blackie Formation*

The new formation name Blackie is after D.C. Pugh (in press)

Cu — *HART RIVER FORMATION, Cb AND ETTRAIN FORMATION, undivided*

DEVONIAN AND CARBONIFEROUS

UPPER DEVONIAN AND LOWER CARBONIFEROUS

DCF — *FORD LAKE SHALE, shale, greyish black, siliceous; chert and limestone; marine; may include Canol and Imperial Formations*

DEVONIAN

UPPER DEVONIAN

DCA — *CANOL FORMATION: shale, black, siliceous; marine*

LOWER AND MIDDLE DEVONIAN

DO — *OGILVIE FORMATION: limestone, fine grained, dark grey and black; marine; may include equivalents of Gossage Formation*

LOWER DEVONIAN

DMI — *MICHELLE FORMATION: shale, black, calcareous; limestone, black, richly fossiliferous; dolomite, orange brown weathering*

CAMBRIAN TO DEVONIAN

UPPER CAMBRIAN TO LOWER DEVONIAN

€Db — *Limestone and dolomite, grey and brown; shale, dark grey to black; marine; may include equivalents of Gossage and Ogilvie Formations*

€DR — *ROAD RIVER FORMATION: shale, black, graptolitic; limestone, medium crystalline, dark grey; marine; includes lateral equivalents of Michelle Formation*

€Db *and* €DR *are facies equivalents in part*

CAMBRIAN AND ORDOVICIAN

LOWER CAMBRIAN TO MIDDLE OR UPPER ORDOVICIAN

€OJR — *JONES RIDGE LIMESTONE: limestone, biogenic, oolitic, siliceous, massive; marine; may include Ogilvie Formation locally*

PROTEROZOIC

HADRYNIAN

HTI — *TINDIR GROUP: shale, greyish black; limestone; dolomite; diabase sills and dykes; undivided*

HELIKIAN

HG — *GILLESPIE LAKE GROUP: dolomite, algal, siliceous, orange weathering; undivided; marine*

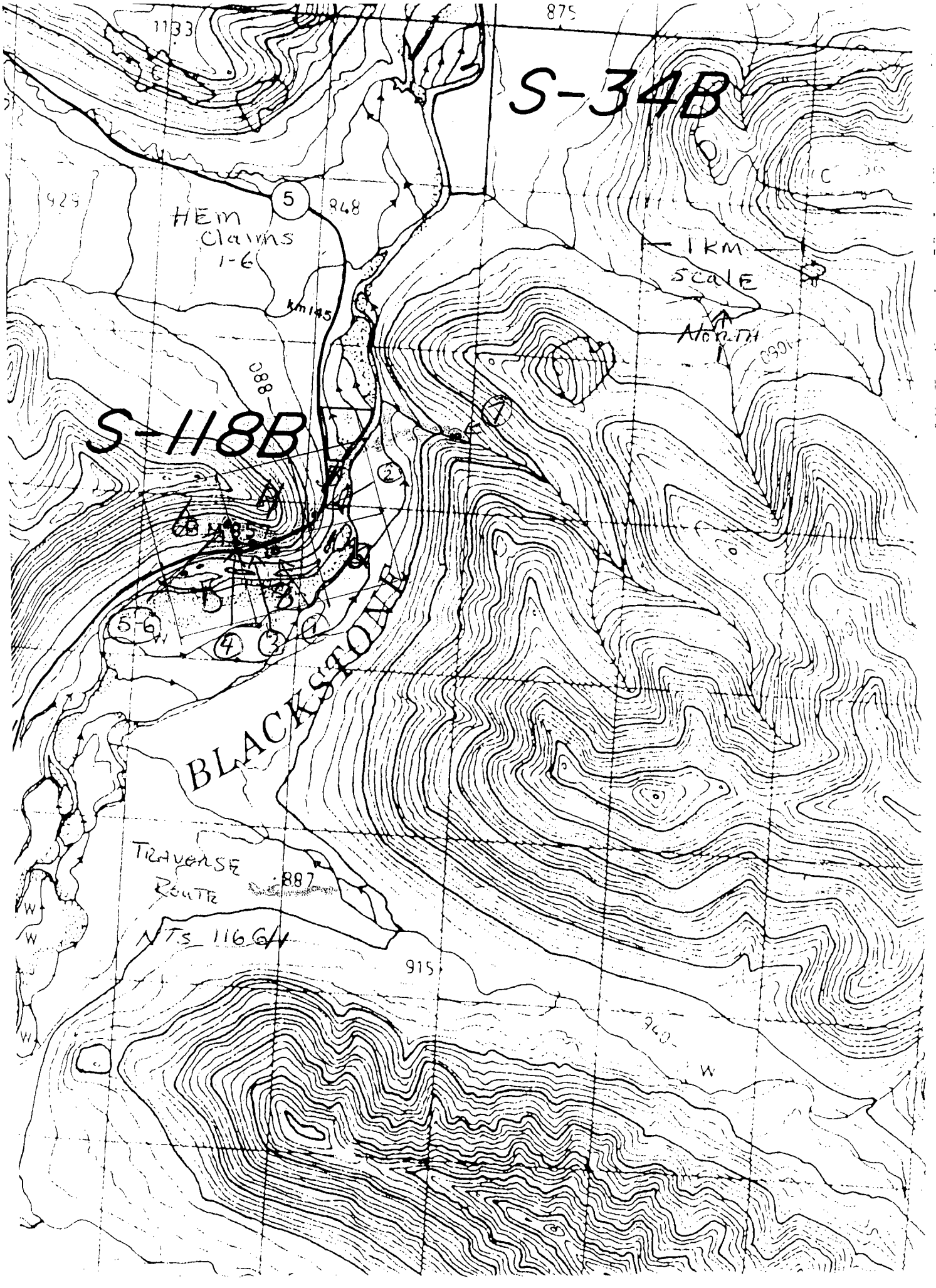
Pu — *Siltstone, quartzite, and dolomite; undivided; may include Middle Cambrian beds in Nahoni Range; marine?*

?APHEBIAN

HQ — *QUARTET GROUP: argillite, red, green and grey, slaty; quartzite, fine grained, light grey; marine?*

Note: Structure and stratigraphy within Kandik Basin is poorly known and is oversimplified

Canada


S-34B
S-118B
HEM
claims
1-6
1 KM
SCALE
North
BLACKSTONE
TRAVERSE
ROUTE
NTS 116G/4
1133
875
848
925
915
887

ALS
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

DAWSON CITY, YT
Y0B 1G0

Project :
Comments: ATTN: SHAWN RYAN

Invoice No. : I0034975
P.O. Number :
Account : PRP

CERTIFICATE OF ANALYSIS A0034975

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
[illegible] RBY R01	205	226	< 5	0.2	0.61	< 2	< 10	50	< 0.5	< 2	0.89	< 0.5	30	38	104	2.81	< 10	< 1	0.11	< 10	0.35
[illegible] R05	205	226	< 5	< 0.2	0.25	2	< 10	90	< 0.5	< 2	0.20	< 0.5	1	55	4	0.22	< 10	< 1	0.14	< 10	0.03
[illegible] BEODRA	205	226	< 5	< 0.2	1.49	< 2	< 10	10	< 0.5	< 2	1.39	< 0.5	24	38	85	3.11	< 10	< 1	0.11	< 10	1.16
[illegible] R03	205	226	< 5	< 0.2	0.59	< 2	< 10	150	< 0.5	< 2	0.65	< 0.5	55	54	62	1.41	< 10	< 1	0.06	< 10	0.09
[illegible] R04	205	226	< 5	< 0.2	0.49	< 2	< 10	120	< 0.5	< 2	0.13	< 0.5	11	78	21	0.74	< 10	< 1	0.19	< 10	0.13
[illegible] R07	205	226	< 5	< 0.2	0.74	< 2	< 10	10	< 0.5	< 2	0.20	< 0.5	6	29	1	2.08	< 10	< 1	0.07	< 10	0.57
[illegible] R09	205	226	< 5	< 0.2	1.96	< 2	< 10	390	2.5	< 2	1.10	0.5	22	24	31	5.62	10	< 1	0.50	20	2.44
[illegible] BLACK DRA	205	226	< 5	< 0.2	1.58	52	< 10	100	1.0	< 2	2.16	0.5	14	20	43	4.28	< 10	< 1	0.14	< 10	1.59
[illegible] 20 R03	205	226	-----	< 0.2	1.88	2	< 10	170	0.5	< 2	0.22	0.5	8	107	48	3.60	< 10	< 1	0.85	20	0.73
[illegible] SK 11	205	226	10	0.6	5.85	< 2	< 10	< 10	1.5	< 2	3.91	< 0.5	29	54	513	3.46	10	< 1	0.03	10	0.08
[illegible] SK-03	205	226	< 5	1.0	2.82	< 2	< 10	< 10	0.5	< 2	2.12	< 0.5	26	26	518	4.33	< 10	< 1	0.01	< 10	0.05
[illegible] 100W R03	205	226	10	< 0.2	3.75	< 2	< 10	10	0.5	4	2.85	< 0.5	3	59	38	0.90	< 10	< 1	0.08	10	0.07
[illegible] 50W R04	205	226	5	< 0.2	3.83	6	< 10	130	0.5	< 2	1.23	< 0.5	16	130	41	3.02	10	< 1	1.27	10	1.34
[illegible] 50W R06	205	226	30	0.2	0.93	< 2	< 10	10	< 0.5	< 2	1.01	< 0.5	6	103	162	1.82	< 10	< 1	0.04	< 10	0.07
[illegible] 75W R08	205	226	15	0.2	2.11	< 2	< 10	< 10	0.5	2	2.98	< 0.5	6	31	149	2.24	< 10	< 1	0.08	< 10	0.07
[illegible] 75W R09	205	226	60	0.6	3.61	4	< 10	< 10	1.5	22	2.47	< 0.5	13	43	330	4.10	< 10	< 1	0.09	10	0.09
[illegible] 25E R10	205	226	60	0.2	4.60	< 2	< 10	< 10	0.5	46	4.69	< 0.5	6	23	142	2.87	10	< 1	0.01	10	0.05
[illegible] 175E R11	205	226	45	0.6	3.00	< 2	< 10	< 10	0.5	26	2.35	< 0.5	9	21	385	3.70	< 10	< 1	0.05	10	0.04
[illegible] 175E R12	205	226	525	1.6	1.45	8	< 10	< 10	0.5	324	1.18	< 0.5	17	55	594	5.67	< 10	< 1	0.02	10	0.11
[illegible] 50E R13	205	226	5	< 0.2	0.94	6	< 10	20	< 0.5	< 2	0.30	< 0.5	7	98	50	2.20	< 10	< 1	0.09	< 10	0.13
[illegible]	205	226	< 5	0.2	2.71	< 2	< 10	60	0.5	< 2	0.89	< 0.5	10	74	37	3.00	10	< 1	0.64	10	0.57
[illegible] P.T 2 BTR	205	226	< 5	0.6	5.00	< 2	< 10	30	2.0	6	3.63	< 0.5	8	59	116	1.83	10	< 1	0.04	10	0.73
L100N-50ER	205	226	< 5	2.6	3.86	26	< 10	< 10	1.5	8	2.32	2.5	21	40	1815	13.30	10	< 1	0.01	< 10	0.09
HEM HWY R01	205	226	5	< 0.2	2.62	< 2	< 10	2230	0.5	< 2	1.58	0.5	33	54	716	5.16	10	< 1	0.16	30	3.57
HEM 20 R02	205	226	5	1.8	5.16	20	< 10	40	0.5	< 2	0.07	2.5	48	153	61	13.60	20	< 1	0.10	< 10	4.12
HEM 20 R03	205	226	< 5	2.0	0.58	< 2	< 10	40	< 0.5	< 2	4.12	< 0.5	10	140	9310	3.31	< 10	< 1	0.02	< 10	2.53
HEM 20 R04	205	226	5	0.6	2.92	2	< 10	680	0.5	< 2	0.19	1.5	75	45	824	8.80	10	< 1	0.14	< 10	3.00
HEM 20 R0111	205	226	10	0.6	0.40	96	< 10	310	0.5	< 2	3.22	1.5	96	33	2860	6.88	< 10	< 1	0.10	< 10	2.04
HEM 20 R022	205	226	< 5	0.2	0.28	8	< 10	300	< 0.5	2	9.44	< 0.5	23	11	144	1.98	< 10	< 1	0.19	10	5.59
HEM 20 R0333	205	226	5	0.8	0.98	6	< 10	1560	0.5	< 2	0.04	1.0	12	24	1445	11.00	< 10	< 1	0.01	< 10	1.10
JL 20 R01	205	226	< 5	< 0.2	1.23	< 2	< 10	330	< 0.5	< 2	0.10	< 0.5	10	130	34	2.37	< 10	< 1	0.72	< 10	0.54
JL 20 R02	205	226	50	1.8	1.37	10	< 10	10	0.5	< 2	0.53	3.0	102	85	277	>15.00	10	< 1	0.37	< 10	0.73

HEM - Series Rock sample From HEM 1-6 claims 116 6/1
[illegible] 11, [illegible] SK-03, L100N-50ER : Rock samples From [illegible]
Claim AREA NTS [illegible]

[illegible] : Rock sample from [illegible]
NTS [illegible]

CERTIFICATION: [signature]

CERTIFICATION: [signature]

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

Project :
Comments: ATTN: SHAWN RYAN

CERTIFICATE OF ANALYSIS A0034975

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
PHY R01	205	226	255	1	0.09	16	780	6	1.25	< 2	3	31	0.12	< 10	< 10	20	< 10	30
20 R05	205	226	40	1	0.06	1	10	8	0.03	< 2	< 1	19	< 0.01	< 10	< 10	1	< 10	6
20 BEODRA	205	226	470	1	0.17	49	1170	2	0.88	< 2	8	17	0.14	< 10	< 10	62	< 10	50
20 R03	205	226	100	14	0.01	46	150	4	0.52	< 2	1	32	0.06	< 10	< 10	11	< 10	28
20 R04	205	226	35	10	0.08	28	150	6	0.21	< 2	< 1	29	0.05	< 10	< 10	9	< 10	24
20 R07	205	226	220	< 1	0.14	1	570	< 2	< 0.01	< 2	5	7	0.06	< 10	< 10	65	< 10	38
20 R09	205	226	1240	< 1	0.10	14	2470	8	< 0.01	< 2	13	76	0.25	< 10	< 10	168	< 10	106
BLACK DRA	205	226	615	6	0.01	12	960	14	0.79	< 2	7	120	< 0.01	< 10	< 10	63	< 10	62
20 R03	205	226	280	< 1	0.01	34	820	10	0.02	< 2	4	18	0.11	< 10	< 10	54	< 10	226
SK 11	205	226	90	< 1	0.25	46	190	8	2.16	< 2	< 1	209	0.06	< 10	< 10	8	10	30
SK-03	205	226	220	< 1	0.09	30	150	2	2.08	< 2	< 1	79	0.04	< 10	< 10	3	80	50
100W R03	205	226	105	< 1	0.49	11	180	4	0.24	< 2	1	152	0.06	< 10	< 10	11	< 10	26
50W R04	205	226	165	< 1	0.21	40	90	6	0.35	< 2	8	87	0.17	< 10	< 10	56	< 10	46
50W R06	205	226	95	< 1	0.11	16	60	2	0.70	< 2	< 1	51	0.03	< 10	< 10	3	< 10	22
75W R08	205	226	235	< 1	0.57	18	500	2	1.01	< 2	< 1	63	0.04	< 10	< 10	3	< 10	42
75W R09	205	226	225	< 1	0.54	27	200	8	2.31	< 2	1	115	0.06	< 10	< 10	9	< 10	56
25E R10	205	226	325	< 1	0.19	7	860	4	1.08	< 2	< 1	209	0.05	< 10	< 10	6	< 10	32
175E R11	205	226	230	< 1	0.35	13	880	6	2.09	< 2	< 1	96	0.03	< 10	< 10	3	< 10	64
175E R12	205	226	345	< 1	0.12	34	120	4	3.39	< 2	< 1	48	0.04	< 10	< 10	6	< 10	52
50E R13	205	226	75	< 1	0.08	8	70	2	0.40	< 2	1	38	0.03	< 10	< 10	10	< 10	16
75E R16	205	226	105	< 1	0.19	19	200	8	0.49	< 2	4	85	0.11	< 10	< 10	31	< 10	40
P.T 2 BTR	205	226	130	7	0.47	27	340	14	0.77	< 2	1	188	0.05	< 10	< 10	33	< 10	30
ON-50ER	205	226	40	1	0.30	9	410	10	>5.00	< 2	< 1	184	0.02	< 10	< 10	5	< 10	16
HEM HWY R01	205	226	1175	1	0.01	39	580	< 2	0.08	< 2	4	92	0.01	< 10	< 10	54	< 10	44
HEM 20 R02	205	226	350	< 1	< 0.01	94	320	56	3.51	< 2	9	6	0.01	< 10	< 10	155	< 10	140
HEM 20 R03	205	226	2690	4	0.01	12	60	4	0.52	< 2	7	31	< 0.01	< 10	< 10	20	< 10	16
HEM 20 R04	205	226	365	1	< 0.01	45	580	2	0.11	< 2	6	11	0.03	< 10	< 10	164	< 10	44
HEM 20 R0111	205	226	1775	4	< 0.01	24	570	6	0.23	2	2	117	0.01	< 10	< 10	17	< 10	12
HEM 20 R022	205	226	3620	< 1	0.01	6	380	< 2	0.05	< 2	3	33	< 0.01	< 10	< 10	5	< 10	6
HEM 20 R0333	205	226	310	< 1	< 0.01	18	80	2	0.09	< 2	6	35	< 0.01	< 10	< 10	78	20	12
20 R01	205	226	85	< 1	0.04	39	160	6	0.51	< 2	6	9	0.15	< 10	< 10	57	< 10	80
20 R02	205	226	145	3	0.08	33	440	14	>5.00	< 2	3	10	0.08	< 10	< 10	25	10	118

CERTIFICATION:

CERTIFICATION: