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ASSESSMENT REPORT

describing

PROSPECTING, MAPPING AND DIAMOND DRILLING

at the

RICH PROPERTY

Rich 1-46 YC45138-YC45185
49-186 YC45388-YC45525

NTS 116I/08
Latitude 66°19'N; Longitude 136°14'W

in the

Dawson Mining District
Yukon Territory

prepared by

Archer, Cathro & Associates (1981) Limited

for

SOUTHAMPTON VENTURES INC.
and
STRATEGIC METALS LTD.

by

Dan Gregory B.Sc., GIT
November 2008

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INTRODUCTION

The Rich property hosts a thin, sheet like massive sulphide layer enriched with nickel, molybdenum and zinc. The Rich property and seven others are under option to Southampton Ventures Inc. from Strategic Metals Ltd. as part of the NiMo Project, which can earn a 100% interest by performing exploration on the properties and making certain cash and stock payments to Strategic.

This report describes exploration work that was conducted between May 8 and May 25, 2008 by Archer, Cathro & Associates (1981) Limited on behalf of Southampton Ventures. The work was supervised by the author and consisted of mapping and diamond drilling. The author's Statement of Qualifications appears in Appendix I.

PROPERTY LOCATION, CLAIM DATA AND ACCESS

The Rich property consists of 186 contiguous mineral claims located in north-central Yukon Territory on NTS map sheet 116I/08 at latitude 66° 19'N and longitude 136° 14'W (Figure 1). The claims are registered with the Dawson Mining Recorder in the name of Archer Cathro, which holds them in trust for Strategic Metals. Claim data are listed below while the locations of individual claims are shown on Figure 2.

<u>Claim Number</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Rich 1-48	YC45138-YC45185	February 22, 2012
49-161	YC45388-YC45500	February 22, 2012
162-186	YC52501-YC52525	February 22, 2012

* Expiry dates do not include 2008 work which has not yet been filed for assessment credit.

The Rich property is located 23 km east of Eagle Plains Lodge, which is accessible via the Yukon highway system using the Klondike Highway and Dempster Highway. Eagle Plains is situated 866 km by road north of Whitehorse.

In 2008, daily access to the property was provided by a Bell 206L helicopter operated by Fireweed Helicopters Ltd. from Eagle Plains Lodge.

HISTORY

The potential for nickel-molybdenum-zinc rich mineralization along the contact between the Earn and Road River Groups within the Richardson Trough was first recognized during a mineral potential assessment conducted by the Yukon Geological Survey in 1997 (Héon, 2006). This assessment identified a number of stream sediment anomalies over which Strategic staked the Rich property in 2006.

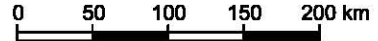
In 2007 a total of 2485.98 m of diamond drilling were completed in 25 holes on the Rich property by Archer, Cathro and Associates (1981 limited) on behalf of Southampton Ventures. Twelve of these intersected the massive sulphide layer. The mineralized horizon was on average

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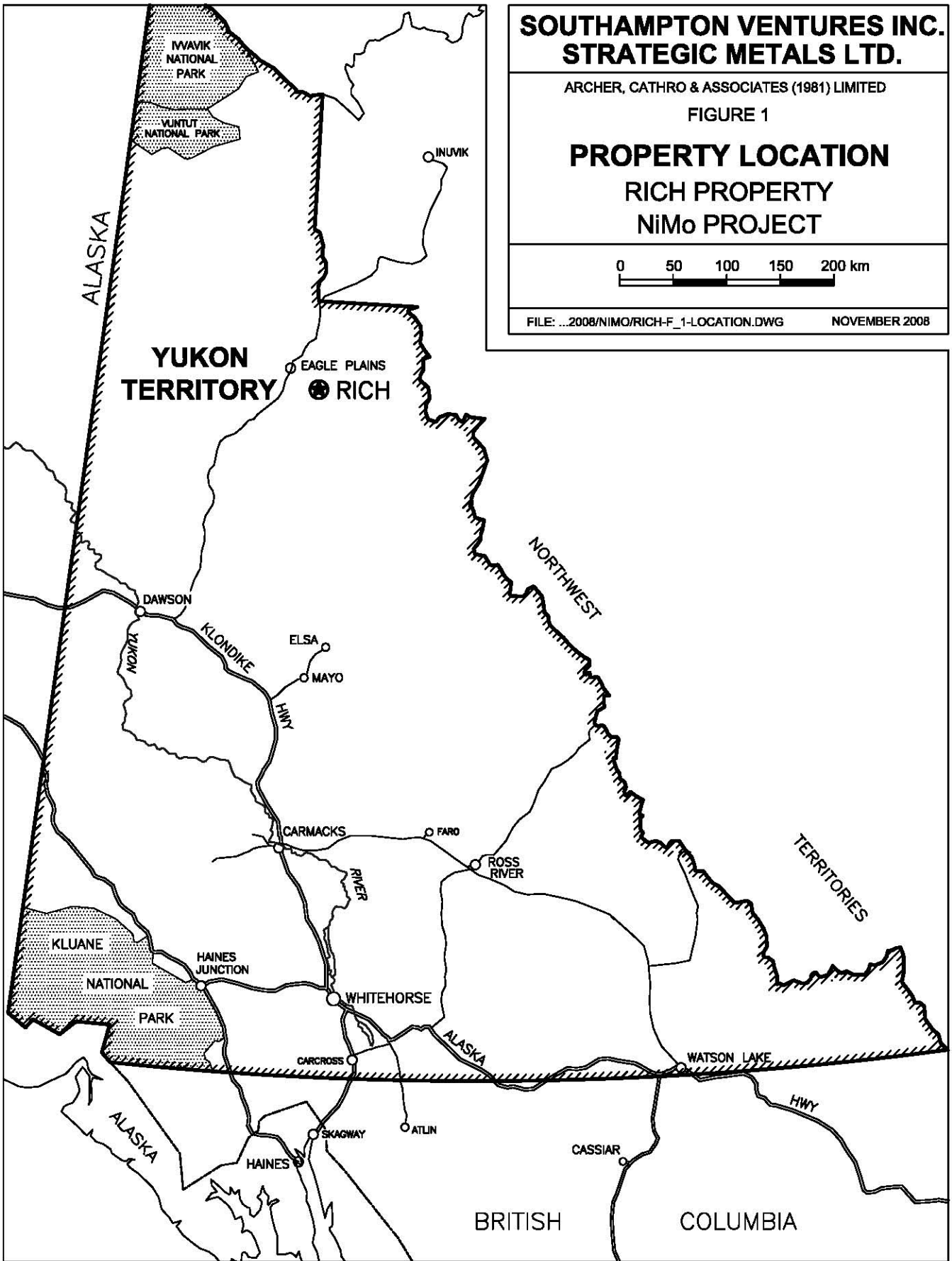
FIGURE 1

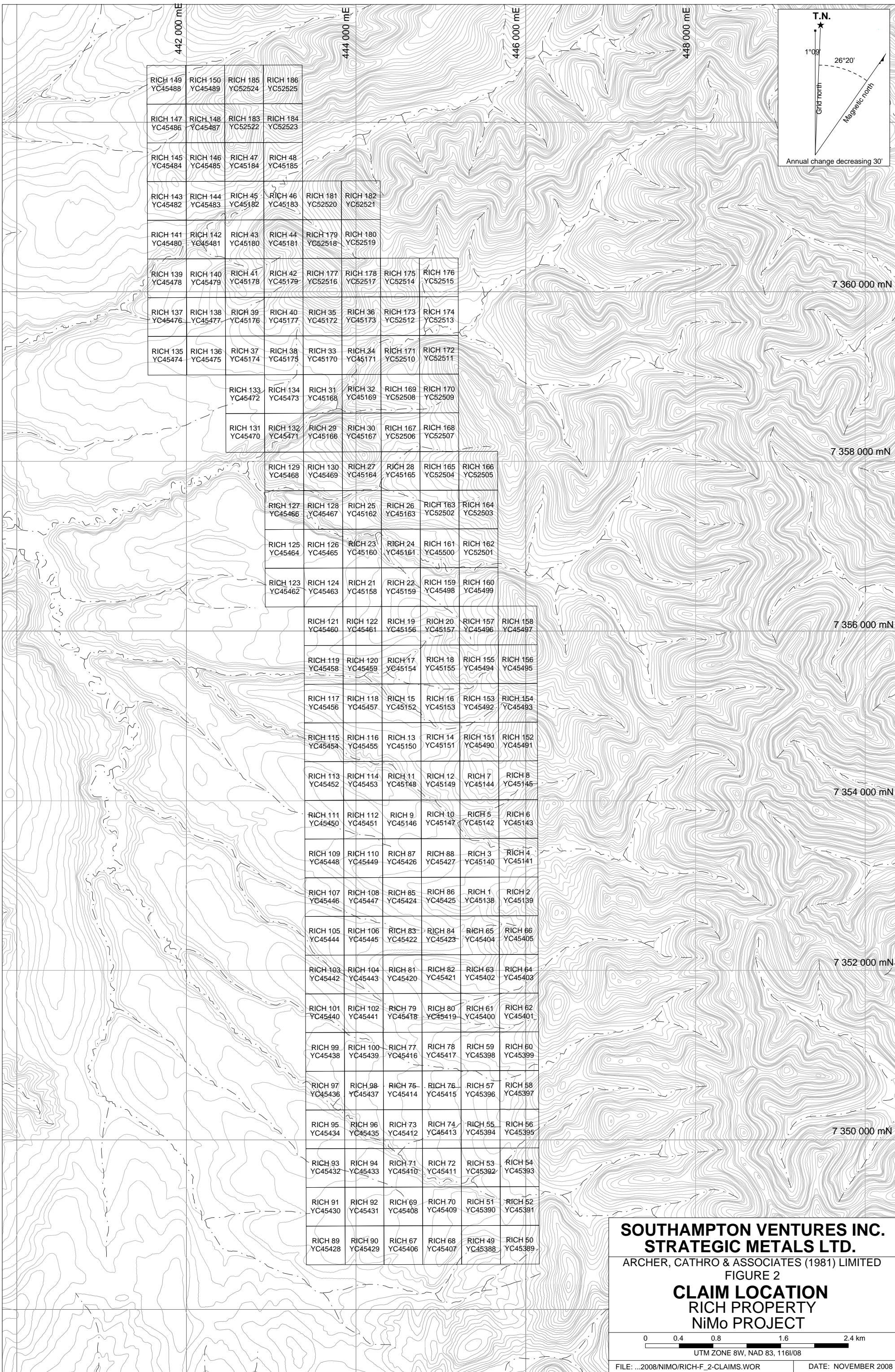
**PROPERTY LOCATION
RICH PROPERTY
NiMo PROJECT**



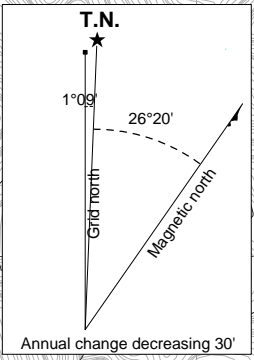
FILE: ...2008/NIMO/RICH-F_1-LOCATION.DWG

NOVEMBER 2008

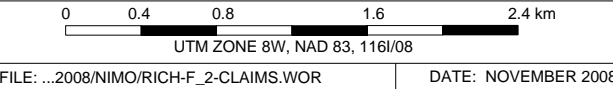




RICH 149 YC45488	RICH 150 YC45489	RICH 185 YC52524	RICH 186 YC52525				
RICH 147 YC45486	RICH 148 YC45487	RICH 183 YC52522	RICH 184 YC52523				
RICH 145 YC45484	RICH 146 YC45485	RICH 47 YC45184	RICH 48 YC45185				
RICH 143 YC45482	RICH 144 YC45483	RICH 45 YC45182	RICH 46 YC45183	RICH 181 YC52520	RICH 182 YC52521		
RICH 141 YC45480	RICH 142 YC45481	RICH 43 YC45180	RICH 44 YC45181	RICH 179 YC52518	RICH 180 YC52519		
RICH 139 YC45478	RICH 140 YC45479	RICH 41 YC45178	RICH 42 YC45179	RICH 177 YC52516	RICH 178 YC52517	RICH 175 YC52514	RICH 176 YC52515
RICH 137 YC45476	RICH 138 YC45477	RICH 39 YC45176	RICH 40 YC45177	RICH 35 YC45172	RICH 36 YC45173	RICH 173 YC52512	RICH 174 YC52513
RICH 135 YC45474	RICH 136 YC45475	RICH 37 YC45174	RICH 38 YC45175	RICH 33 YC45170	RICH 34 YC45171	RICH 171 YC52510	RICH 172 YC52511
		RICH 133 YC45472	RICH 134 YC45473	RICH 31 YC45168	RICH 32 YC45169	RICH 169 YC52508	RICH 170 YC52509
		RICH 131 YC45470	RICH 132 YC45471	RICH 29 YC45166	RICH 30 YC45167	RICH 167 YC52506	RICH 168 YC52507
				RICH 129 YC45468	RICH 130 YC45469	RICH 27 YC45164	RICH 28 YC45165
				RICH 127 YC45466	RICH 128 YC45467	RICH 25 YC45162	RICH 26 YC45163
				RICH 125 YC45464	RICH 126 YC45465	RICH 23 YC45160	RICH 24 YC45161
				RICH 123 YC45462	RICH 124 YC45463	RICH 21 YC45158	RICH 22 YC45159
				RICH 121 YC45460	RICH 122 YC45461	RICH 19 YC45156	RICH 20 YC45157
				RICH 119 YC45458	RICH 120 YC45459	RICH 17 YC45154	RICH 18 YC45155
				RICH 117 YC45456	RICH 118 YC45457	RICH 15 YC45152	RICH 16 YC45153
				RICH 115 YC45454	RICH 116 YC45455	RICH 13 YC45150	RICH 14 YC45151
				RICH 113 YC45452	RICH 114 YC45453	RICH 11 YC45148	RICH 12 YC45149
				RICH 111 YC45450	RICH 112 YC45451	RICH 9 YC45146	RICH 10 YC45147
				RICH 109 YC45448	RICH 110 YC45449	RICH 8 YC45426	RICH 8 YC45145
				RICH 107 YC45446	RICH 108 YC45447	RICH 85 YC45424	RICH 86 YC45425
				RICH 105 YC45444	RICH 106 YC45445	RICH 83 YC45422	RICH 84 YC45423
				RICH 103 YC45442	RICH 104 YC45443	RICH 81 YC45420	RICH 82 YC45421
				RICH 101 YC45440	RICH 102 YC45441	RICH 79 YC45418	RICH 80 YC45419
				RICH 99 YC45438	RICH 100 YC45439	RICH 77 YC45416	RICH 78 YC45417
				RICH 97 YC45436	RICH 98 YC45437	RICH 75 YC45414	RICH 76 YC45415
				RICH 95 YC45434	RICH 96 YC45435	RICH 73 YC45412	RICH 74 YC45413
				RICH 93 YC45432	RICH 94 YC45433	RICH 71 YC45410	RICH 72 YC45411
				RICH 91 YC45430	RICH 92 YC45431	RICH 69 YC45408	RICH 70 YC45409
				RICH 89 YC45428	RICH 90 YC45429	RICH 67 YC45406	RICH 68 YC45407
						RICH 49 YC45388	RICH 50 YC45389
						RICH 157 YC45496	RICH 158 YC45497
						RICH 163 YC52502	RICH 164 YC52503
						RICH 161 YC45500	RICH 162 YC52501
						RICH 159 YC45498	RICH 160 YC45499
						RICH 155 YC45494	RICH 156 YC45495
						RICH 153 YC45492	RICH 154 YC45493
						RICH 151 YC45490	RICH 152 YC45491
						RICH 149 YC45488	RICH 150 YC45489



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FIGURE 2
**CLAIM LOCATION
RICH PROPERTY
NiMo PROJECT**



3 cm thick with an average grade of 3.28% nickel, 0.15% molybdenum, 1.03% zinc, 108 ppb gold, 177 ppb platinum, 132 ppb palladium and 18.2 ppb rhenium.

Other mineral exploration in the immediate vicinity of the Rich property has been limited. The closest significant work programs occurred in the Eagle Plain Basin. This is located approximately 20 km west of the property and was the focus of extensive petroleum exploration between the mid 1950s and mid 1980s. This work included drilling of 33 wells and 9952 line-km of reflection seismic surveys. A total of 83.7 Bcf of natural gas and 11.05 MM bbls of crude oil was identified within the basin (Osadetz, 2005).

GEOMORPHOLOGY

The Rich property is located within foothills on the southwestern edge of the Richardson Mountains. The property is drained by the tributaries of Eagle River, which ultimately flows into the Bering Sea via the Porcupine and Yukon Rivers.

Local elevations range from 530 m in the west to 860 m in the east. Outcrop is only found in some deeply incised drainages and on steep hillsides. Vegetation consists of stunted spruce, buckbrush, moss and grass.

REGIONAL GEOLOGY

The Rich property lies along the western margin of the Richardson Fault Array, a cluster of north-trending curvilinear, near vertical faults. Episodic reactivation of the Richardson Fault Array in Early and Middle Paleozoic formed a north- to northwest-trending intracratonic depression known as the Richardson Trough (Figure 3). Deep water shale and argillaceous limestone of the Ordovician to Silurian Road River Group were deposited within the trough atop Cambrian- and Proterozoic-age strata. Younger Paleozoic sediments conformably cap the Road River Group within the trough and in the surrounding basin. The entire stratigraphic section is folded by a large-scale anticline that plunges to the north. This anticline is called the Richardson Anticlinorium and its axis approximately coincides with the centre of the trough. The Richardson Trough is bounded by the Trevor Fault to the east and the Deception Fault to the west.

The following table summarizes the main lithologies in the Rich area from youngest to oldest.

Table I: Regional Lithological Descriptions (after Norris, 1982)

QUATERNARY

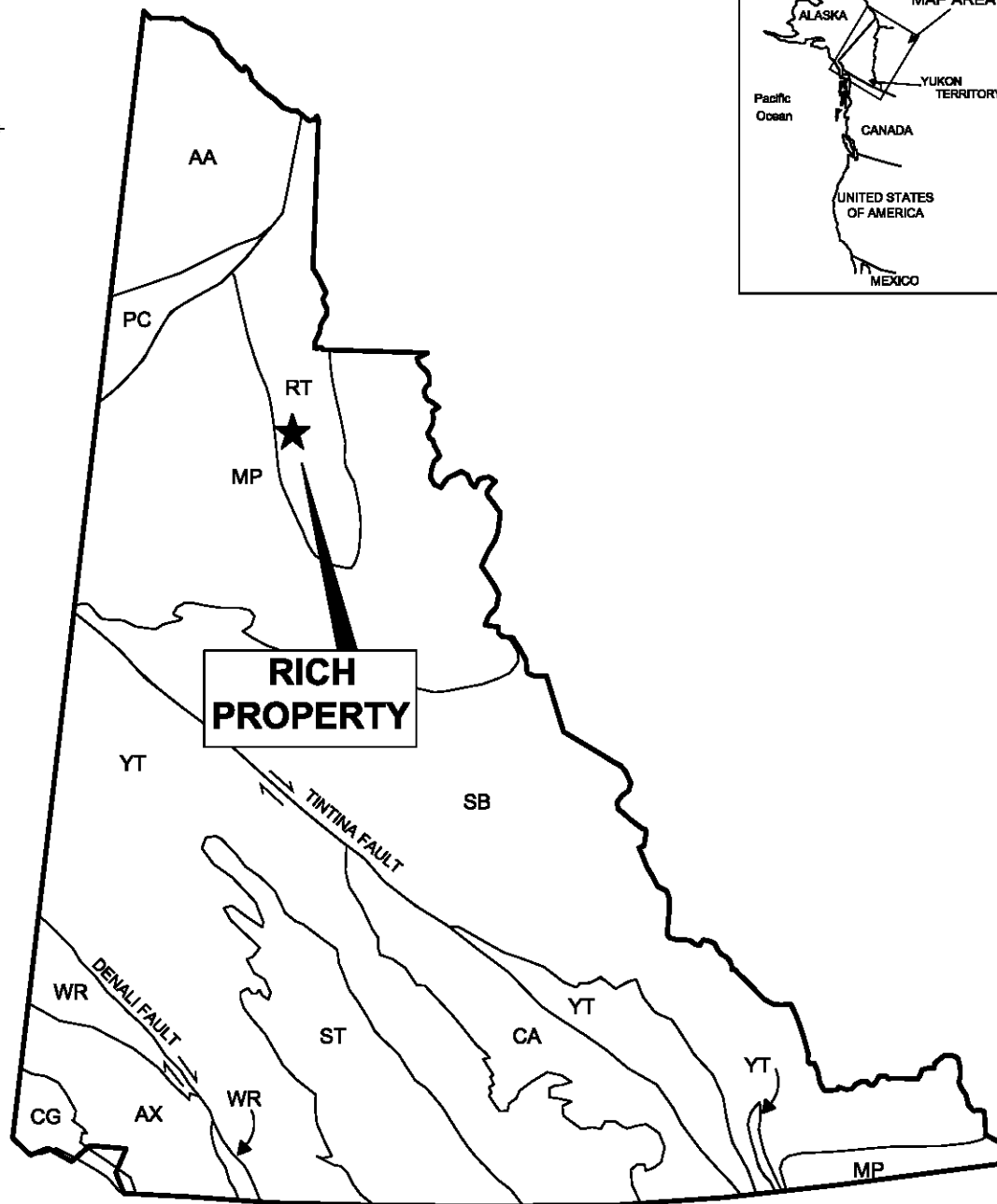
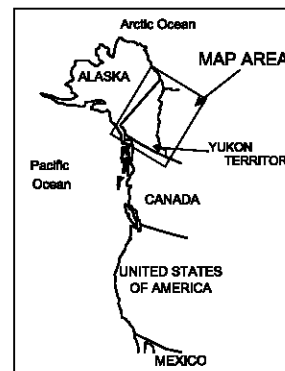
Fluvial silt, sand and gravel.

-UNCONFORMITY-

PERMIAN

Jungle Creek Formation: mudstone, calcareous, cherty; limestone, and silty micrite.

-UNCONFORMITY-



ANCESTRAL NORTH AMERICA

- MP Mackenzie Platform
- SB Selwyn Basin
- RT Richardson Trough

TERRANES
Displaced Continental Margin

- AA Arctic Alaska
- CA Cassiar
- PC Porcupine

Pericratonic Terranes

- YT Yukon-Tanana / Slide Mountain

ACCRETED TERRANES

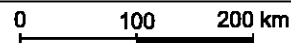
- ST Stikinia / Cache Creek
- AX Alexander
- WR Wrangellia
- CG Chugach

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FIGURE 3

**TECTONIC SETTING
RICH PROPERTY
NiMo PROJECT**



UPPER CARBONIFEROUS

Ettrain Formation: cherty limestone.

Hart River Formation: limestone, dolomite and chert.

UPPER DEVONIAN TO LOWER CARBONIFEROUS

Ford Lake Shale: siliceous shale, chert and limestone.

MIDDLE TO UPPER DEVONIAN

Earn Group: a conformable marine sequence consisting of upper Imperial Formation and basal Canol Formation. Imperial Formation consists of sandstone, siltstone and shale. The Canol Formation is a sequence of siliceous shale representing a rapid rise of sea level in early Late Devonian.

ORDOVICIAN TO SILURIAN

Road River Group: a 150 to 750 m thick sequence of fossiliferous limestone and calcareous shale.

-UNCONFORMITY-

LOWER AND MIDDLE CAMBRIAN

Slats Creek Formation: siltstone, conglomerate, sandstone and limestone.

PROPERTY GEOLOGY

The Rich property is situated over shallowly (15-25°) west dipping shales (Figure 4), which belong to the Middle to Upper Devonian Earn Group and Ordovician to Silurian Road River Group. The Earn Group includes sandy shale belonging to the Imperial Formation, which is conformably underlain to the east by siliceous shale of the Canol Formation. The Canol Formation forms a narrow north-south band through the centre of the property. The Earn Group sits conformably above calcareous shale belonging to the Road River Group. Figure 5 shows a generalized stratigraphic section.

The contact between the Earn Group and Road River Group is marked by a distinctive lithological sequence consisting of a phosphatic chert member, a sulphide horizon, a nodular shale member and a limestone ball member.

The 4 to 8 m thick phosphatic chert member sits at the base of the Canol Formation. It is composed of dark grey weathering, resistant thin to medium bedded cherty shale. Immediately below the phosphatic chert is a massive sulphide horizon that is described in the Mineralization and Geochemistry section in greater detail. Beneath the massive sulphide horizon is a 20 cm to 1.2 m thick nodular shale composed of a black weathering, friable shale containing 5 to 10% barite rich nodules. These nodules range from 1 to 15 cm in diameter.

The underlying limestone ball member is between 1.5 and 10 m thick and consists of black to grey weathering, moderately phosphatic, siliceous shale containing 35 to 40% limestone spheroids. The spheroids consist of laminated micritic limestone ranging from 5 cm to 1.5 m in diameter. Layering within the spheroids is sub-parallel to the adjacent bedding.

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FIGURE 4




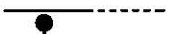


**PROPERTY GEOLOGY
RICH PROPERTY
NiMo PROJECT**

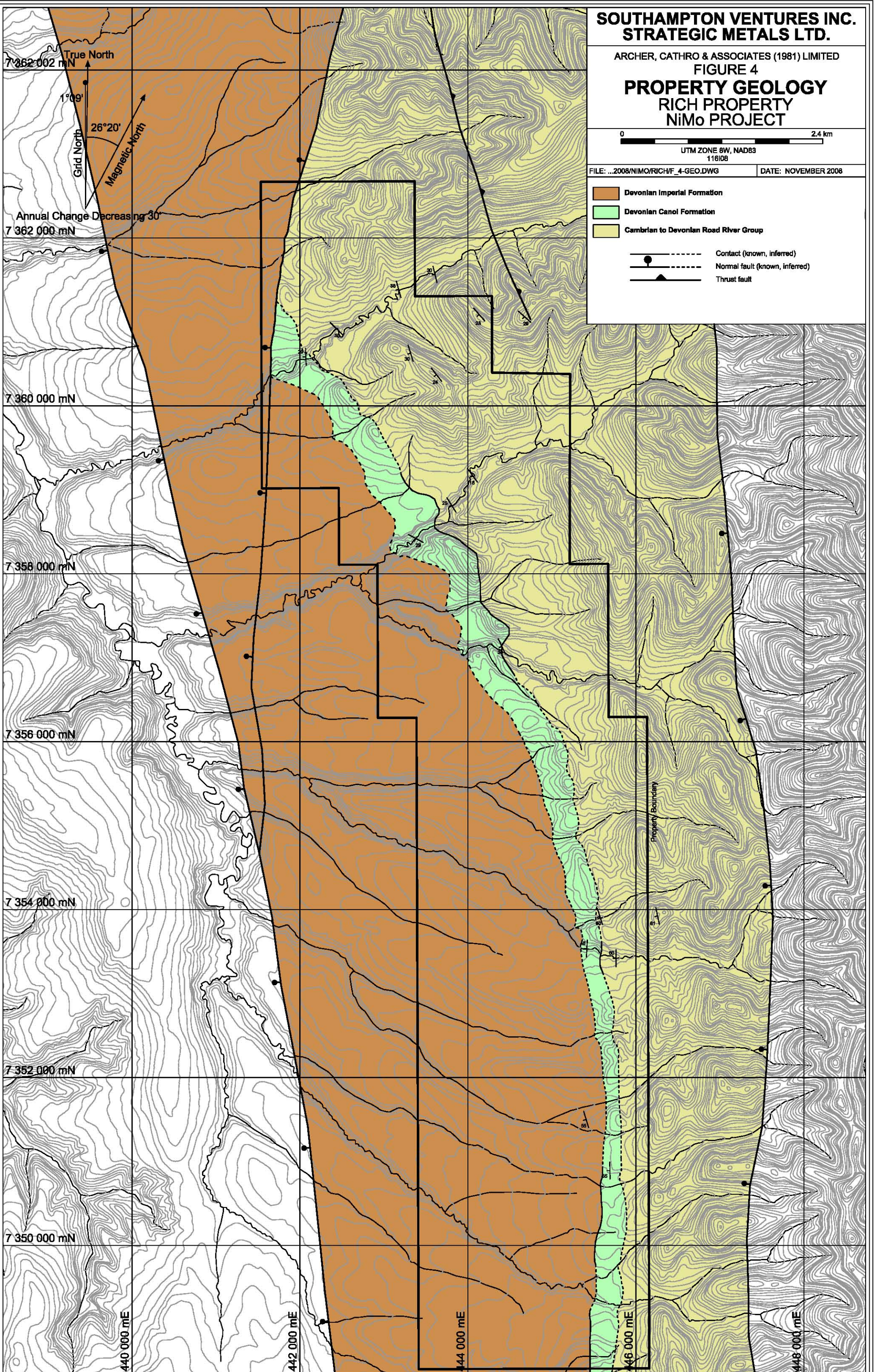


UTM ZONE 8W, NAD83
116108

FILE: ...2008/NIMO/RICH/F_4-GEO.DWG

DATE: NOVEMBER 2008

-  Devonian Imperial Formation
-  Devonian Canol Formation
-  Cambrian to Devonian Road River Group
-  Contact (known, inferred)
-  Normal fault (known, inferred)
-  Thrust fault



True North
7 362 002 mN
1°09'
Grid North
26°20'
Magnetic North

Annual Change Decreasing 30'
7 362 000 mN

7 360 000 mN

7 358 000 mN

7 356 000 mN

7 354 000 mN

7 352 000 mN

7 350 000 mN

440 000 mE

442 000 mE

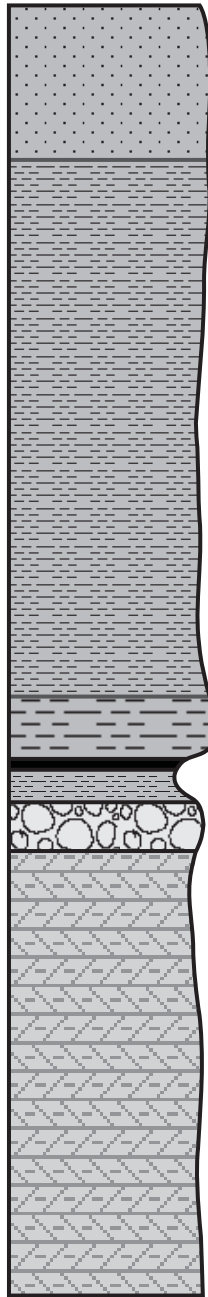
444 000 mE

446 000 mE

448 000 mE

Property Boundary

<p style="text-align: center;">ROAD RIVER GROUP</p>	<p style="text-align: center;">EARN GROUP CANOL FORMATION</p>	<p style="text-align: center;">IMPERIAL FORMATION</p>
<p style="text-align: center;">ORDOVICIAN TO SILURIAN</p>	<p style="text-align: center;">MIDDLE TO UPPER DEVONIAN</p>	<p style="text-align: center;">UPPER DEVONIAN</p>



- Phosphatic Chert
- NiMo Horizon
- Nodular Shale Membe
- Limestone Ball Member

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FIGURE 5

**STRATIGRAPHIC SECTION
RICH PROPERTY
NiMo PROJECT**

not to scale

MINERALIZATION AND GEOCHEMISTRY

A thin, nickeliferous, massive sulphide layer, known as the NiMo horizon, is found along the Canol-Road River contact at the Rich property. This massive sulphide layer is exposed in several deep canyons. The best exposure is in a large canyon on a major drainage, known as Moss Creek, in the centre of the property.

A similar massive sulphide horizon is reported at the same stratigraphic location at the Nick property, 177 km to the southwest. The Nick massive sulphide horizon covers an area greater than 80 km² and consists of pyrite, vaesite, melnikovite-type pyrite, sphalerite and wurtzite hosted in a gangue of phosphatic-carbonaceous chert, silica and bitumen (Hulbert et al, 1992). Assays from the Nick horizon average 3.01% nickel, 0.20% molybdenum, 0.82% zinc, 0.82% vanadium, 310 ppb platinum and 150 ppb palladium. Anomalous rhenium (up to 61 ppm), uranium (up to 107.7 ppm), barium (up to 4300 ppm), selenium (up to 2400 ppm) and arsenic (up to 4200 ppm) were also reported. This horizon was the type deposit for exploration at the Rich property.

DIAMOND DRILLING

General

Drilling was conducted between July 15 and August 19 and was contracted to Orofino Drilling Inc. of Oliver, BC. The work was completed with a Zinex A5 B20 diesel powered drill using NQ2 equipment. A total of 909.21 m of diamond drilling were completed in 2 holes.

The 2 holes tested a strong VTEM conductor where it was believed that the Canol-Road River contact was brought close to surface by a steeply dipping reverse fault (Figure 6 and 7). All drill sites were constructed by hand atop the natural ground cover using 6"x 6" timbers. Drill data for the holes is listed in Table II.

Table II: Drill Hole Data

Hole	Easting	Northing	Elevation (m)	Azimuth	Angle	Depth (m)
RI07-024	448753	7356495	609	090°	-70°	565.71
RI07-025	444390	7354600	618	090°	-70°	343.5

Core was transported from the drill sites to a logging area on the property, where recovery was measured and geological and geotechnical logging was performed. All core was stored on the property. Appendix II contains the geological and geotechnical logs.

Results

Diamond drilling intersected shales belonging to the Imperial and Canol Formations of the Earn Group. In drill core the Imperial Formation is a medium to dark grey mudstone with minor light brown interbeds. Several thin pyrite beds are present within the Imperial Formation and they are believed to be responsible for the VTEM conductor reported in 2007.

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FIGURE 6

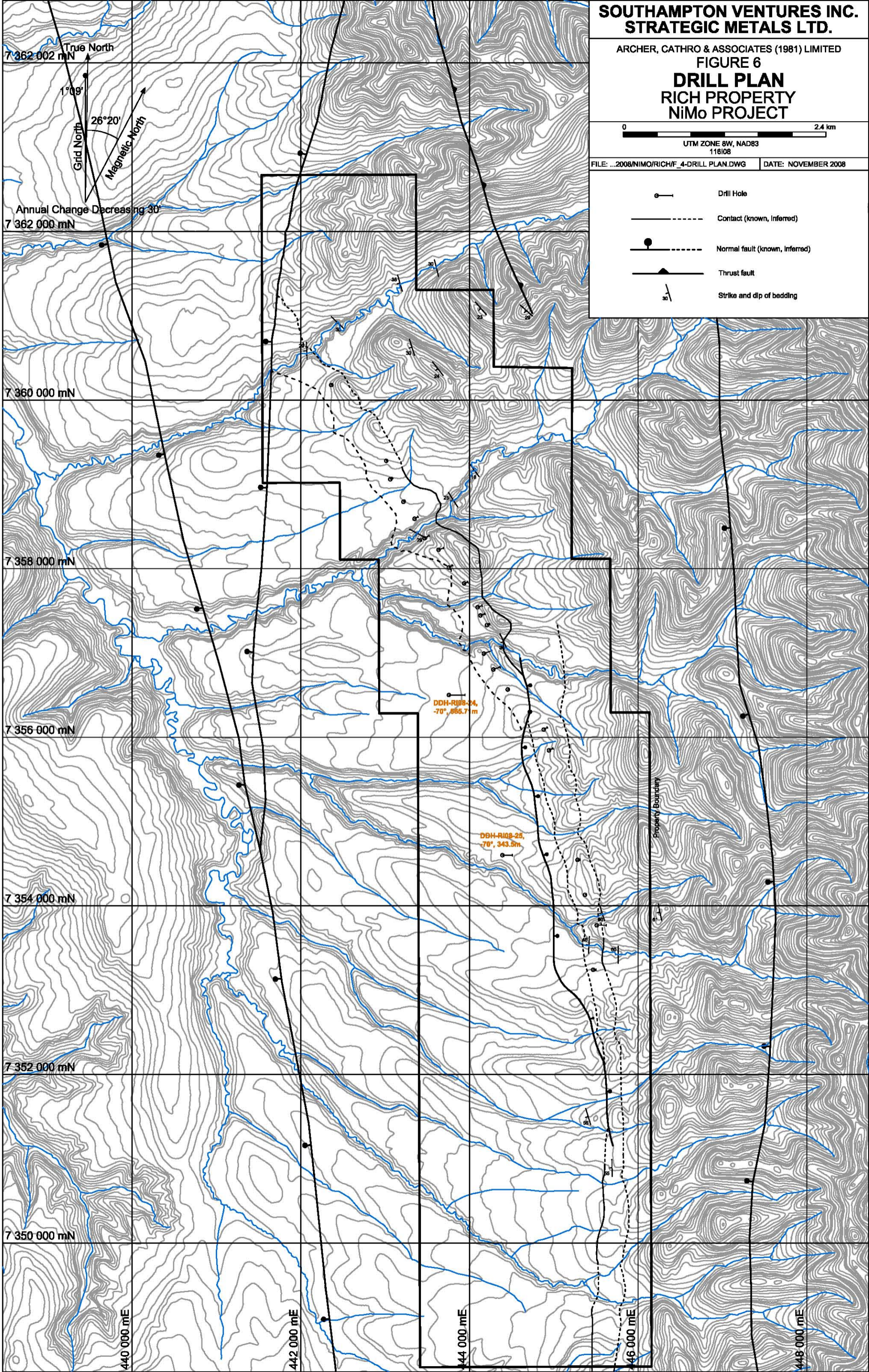
**DRILL PLAN
RICH PROPERTY
NiMo PROJECT**



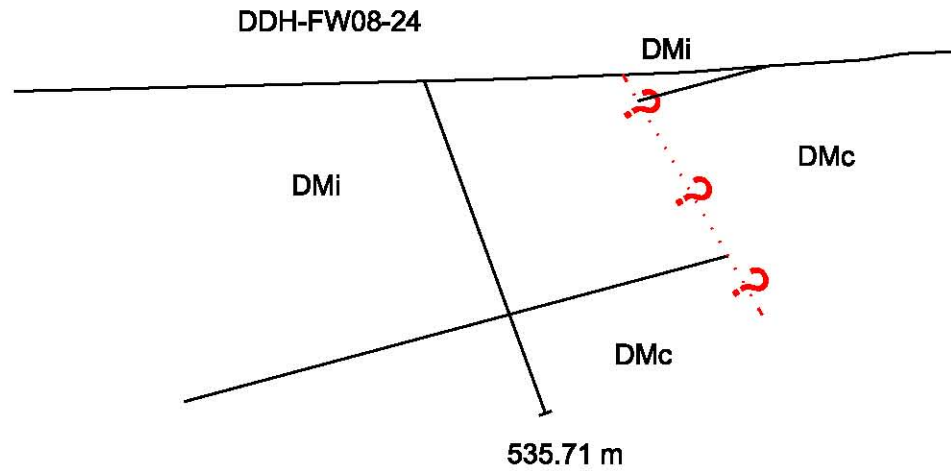
UTM ZONE 8W, NAD83
116108

FILE: ...2008/NIMO/RICH/F_4-DRILL PLAN.DWG DATE: NOVEMBER 2008

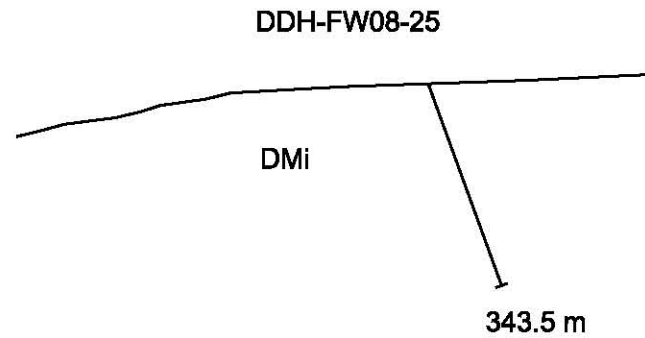
- Drill Hole
- Contact (known, inferred)
- Normal fault (known, inferred)
- Thrust fault
- Strike and dip of bedding



FACING
NORTH



FACING
NORTH



DMi Imperial Formation

DMc Canol Formation

.....?..... Assumed fault location

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FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
DDH-RI08-24 & DDH-RI08-25 SECTIONS
RICH



DRAWN / REVISED BY: D. GREGORY

PROJECT: RICH

FILE: F:\2008\NMs\Rich\Autocad\RICH section

DATE: NOVEMBER, 2008

In drill core, the Canol Formation shale is black, non-calcareous, and finely laminar. It is slightly to moderately weathered, fissile and somewhat friable. Barite rich nodules, phosphate rich nodules, cherty layers, micrite and carbonate laminae/beds are also present towards the lower contact. The Canol Formation exhibits rare to common, thinly bedded, sulphide rich laminae and lenses, as well as uncommon to common, finely laminar, non-fossiliferous, grey to black micritic limestone beds up to several centimetres thick.

The NiMo horizon was not intersected by 2008 diamond drilling on the Rich property. Neither hole was drilled deep enough to intersect the mineralized interval at the base of the Canol Formation.

DISCUSSION AND CONCLUSIONS

The nickel rich, NiMo horizon occurs at a predictable stratigraphic location and has demonstrated considerable lateral continuity. These factors coupled with the horizon's diverse metal suite and consistently high metal values make it an attractive exploration target.

Surface mapping, geochemical sampling and geophysical surveys have traced the NiMo horizon over a 10.5 km strike length on the Rich property. Drilling in 2007 has successfully tested the NiMo horizon over a strike length of 2.7 km and up to 200 m downdip. The target remains open in two directions (north and south). Drilling in the southern half of the property near the strongest soil geochemical results was hindered by deeply weathered bedrock and remains untested.

Unfortunately the horizon does not appear to reach anything close to an economic thickness. Drilling of a VTEM conductor hoped to be the NiMo horizon to the west of the 2007 holes failed to intersect the prospective stratigraphy. As a result no further work is recommended on the property at this time.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

Daniel Gregory BSc, GIT.

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2006 Mineral Assessment of the Eagle Plain Study Area, Yukon; Yukon Geological Survey Open File 2006-3.
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2005 Petroleum Resource Assessment, Eagle Plain Basin and Environs, Yukon Territory, Canada; Yukon Geological Survey Open File 2005-2; Geological Survey of Canada Open File 4922.

APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Daniel Gregory, geologist, with business addresses in Vancouver, British Columbia and Whitehorse, Yukon Territory and residential address in Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 2007 with a B.Sc. (Hons.) in Geology.
2. From 2004 to present, I have been actively engaged in mineral exploration in the Yukon Territory.
3. I have personally participated in the fieldwork reported herein.

Daniel Gregory B.Sc., GIT

APPENDIX II

**GEOLOGICAL AND GEOTECHNICAL
DIAMOND DRILL HOLE LOGS**

PROPERTY: Rich

HOLE: R108-24

Struct.		LITHOLOGY						ALT.		MINERALS		SAMPLES				Blocks			GEOTECHNICAL					JOINTS				
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier			From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC (m)	Percent	RQD (m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
		0	8.97	8.97		OVBD									0.00	10.97	10.97					EW	VW					
		8.97	12.5	3.53		Imp				x clay					10.97	12.50	1.53					EW	VW					
bed	65	12.5	25.3	12.8		Imp				h clay				12.50	14.02	1.52	1.27	9.058				EW	VW					
														14.02	15.55	1.53	1.20	7.717				EW	VW					
														15.55	18.59	3.04	2.27	12.21				HW	VW					
														18.59	21.64	3.05	2.00	9.242				MW	VW					
														21.64	23.17	1.53	1.19	5.136				MW	VW	4	70	5	4	A
														23.17	24.09	0.92	1.10	4.566				MW	VW					
		25.3	28.2	2.9		Imp				x clay				24.09	26.21	2.12	0.69	2.633				MW	VW					
														26.21	27.74	1.53	0.76	2.74				MW	VW					
bed	65	28.2	46.23	18.03		Imp				h clay				27.74	29.26	1.52	0.86	2.939				MW	VW					
														29.26	30.79	1.53	0.99	3.215				MW	VW					
														30.79	32.31	1.52	0.83	2.569				MW	VW	1	70	5	4	A
														32.31	33.83	1.52	1.22	3.606	0.10	7	MW	VW						
														33.83	35.36	1.53	1.14	3.224	0.00	0	MW	VW	1	70	5	4	A	
														35.36	36.88	1.52	1.12	3.037	0.24	16	MW	W						
														36.88	38.40	1.52	1.00	2.604	0.00	0	MW	W						
														38.40	39.93	1.53	0.84	2.104	0.10	7	MW	W						
														39.93	41.45	1.52	1.12	2.702	0.00	0	MW	W						
														41.45	42.98	1.53	1.27	2.955	0.00	0	MW	W						
														42.98	44.50	1.52	1.03	2.315	0.00	0	MW	W						
?F?	??	46.23	46.27	0.04						x clay				46.03	47.56	1.53	1.31	2.754	0.00	0	MW	W						
bed	75	46.27	62.09	15.82		Imp				h clay				47.56	49.03	1.47	1.08	2.203	0.24	16	MW	W		90				
														49.03	50.60	1.57	1.38	2.727	0.11	7	MW	W	1	70	5	4	A	
														50.60	52.12	1.52	1.30	2.494	0.10	7	MW	W	2	70	2	2	A	
														52.12	53.65	1.53	1.33	2.479	0.00	0	MW	W	2	70	2	2	A	
														53.65	56.69	3.04	2.29	4.04	0.56	18	MW	W	1	70	2	2	A	
														56.69	59.74	3.05	2.84	4.754	0.40	13	FR	W	2	70	2	2	A	
?F?		62.09	62.15	0.06		Imp				x clay				59.74	62.79	3.05	2.69	4.284	0.58	19	FR	W	3	70	2	2	A	
		62.15	63.89	1.74		Imp				h clay				62.79	65.84	3.05	2.71	4.116	0.46	15	FR	W	1	70	2	2	A	
?F?		63.89	63.99	0.1		Imp				x clay				65.84	68.89	3.05	2.72	3.948	1.09	36	FR	W	3	70	2	2	A	
		63.99	65.13	1.14		Imp				h clay				68.89	71.92	3.03	2.55	3.546	0.74	24	FR	W	2	70	2	2	A	
bed	65	65.13	71.92	6.79		Imp				m clay																		

PROPERTY: Rich

HOLE: R108-24

Struct.		LITHOLOGY							ALT.		MINERALS		SAMPLES				Blocks			GEOTECHNICAL					JOINTS						
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier			From (m)	To (m)	Interval (m)	Sample			From (m)	To (m)	Intvl. (m)	REC (m)	Percent	RQD (m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
bed	62	71.92	73.94	2.02		Imp											71.92	74.98	3.06	2.55	3.401	0.72	24	FR	W	2	70	2	2	A	
bed	62	73.94	94.45	20.51		Imp											74.98	78.03	3.05	2.87	3.678	1.30	43	FR	W	2	70	2	2	A	
																	78.03	81.08	3.05	2.78	3.429	1.26	41	FR	W	3	70	2	2	A	
																	81.08	84.13	3.05	2.94	3.495	0.97	32	FR	W	2	70	2	2	A	
																	84.13	87.17	3.04	2.74	3.143	1.02	34	FR	W	3	70	2	2	A	
																	87.17	90.22	3.05	2.91	3.225	0.92	30	FR	W	1	70	2	2	A	
																	90.22	93.27	3.05	2.75	2.948	1.14	37	FR	W	1	75	2	2	A	
v	90	94.45	94.53	0.08													93.27	96.32	3.05	3.02	3.135	1.70	56	FR	W	2	75	2	2	A	
v	70	94.53	94.82	0.29		Imp																									
bed	60-70	94.82	114.3	19.44		Imp											96.32	99.37	3.05	2.92	2.939	1.57	51	FR	W	2	75	2	2	A	
																	99.37	102.41	3.04	2.69	2.627	1.27	42	FR	W	2	75	2	2	A	
																	102.41	105.46	3.05	2.80	2.655	1.85	61	FR	W	3	75	2	2	A	
																	105.46	108.51	3.05	3.01	2.774	1.56	51	FR	W	1	75	2	2	A	
																	108.51	111.56	3.05	2.81	2.519	1.56	51	FR	W	2	75	2	2	A	
																	111.56	114.61	3.05	2.91	2.539	1.19	39	FR	W	2	75	2	2	A	
bed	75	114.3	135.9	21.68		Imp											114.61	117.65	3.04	2.81	2.388	1.47	48	FR	W	2	75	2	2	A	
																	117.65	120.70	3.05	2.88	2.386	1.63	53	FR	W	3	75	2	2	A	
																	120.70	123.35	2.65	2.71	2.197	1.70	64	FR	W	3	75	2	2	A	
																	123.35	126.80	3.45	2.77	2.185	2.18	63	FR	W	2	75	2	2	A	
																	126.80	129.85	3.05	3.02	2.326	2.69	88	FR	W	2	75	2	2	A	
																	129.85	132.89	3.04	2.85	2.145	2.41	79	FR	W	1	75	2	2	A	
																	132.89	135.94	3.05	3.02	2.222	1.94	64	FR	W	2	75	2	2	A	
bed	75	135.9	147.5	11.56		Imp											135.94	138.99	3.05	2.92	2.101	1.90	62	FR	W	2	75	2	2	A	
																	138.99	142.04	3.05	2.76	1.943	1.59	52	FR	W	4	75	2	2	A	
																	142.04	145.09	3.05	2.92	2.013	1.56	51	FR	W	3	75	2	2	A	
																	145.09	148.13	3.04	2.94	1.985	1.07	35	FR	W	3	75	2	2	A	
bed	50-65	147.5	151.3	3.84		Imp											148.13	151.18	3.05	3.05	2.017	1.37	45	FR	W	2	75	2	2	A	
bed	50-65	151.3	162.6	11.25		Imp												151.18	154.23	3.05	2.86	1.854	2.04	67	FR	W	2	75	2	2	A
																		154.23	157.28	3.05	2.90	1.844	1.92	63	FR	W	2	75	2	2	A

PROPERTY: Rich

HOLE: RI08-24

Struct.		LITHOLOGY							ALT.			MINERALS			SAMPLES				Blocks			GEOTECHNICAL					JOINTS																			
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:												REC	RQD																								
																					(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling															
bed	75	230.2	251	20.75		Imp			interbedded dark grey/black beds non-calcareous mudstone, ~5% black mudstone in thin (< 1 mm wide) black beds with slightly wavy bedding. @ 236.27 m a zone of 2 (60 degree dipping) 1 mm thick quartz veins 1.5 cm apart connected by several quartz stringers occurs @ 239.5 m. From 238.75-239.25 m 1-3 mm wide quartz veins occur every 10-20 cm dipping 70-80 degrees. The entire interval shows evidence of minor soft sediment deformation. At 238.71 m minor pyrite clot (3x6 mm) - along bedding. At 250.87 m three 75 degree dipping 3-4 mm wide quartz veins occur next to each other. Small amounts (5%) void space in thickest one.	w clay											230.43	233.48	3.05	2.88	1.234	2.51	82	FR	W	2	75	2	2	A												
bed	75	251	261.3	10.31		Imp			dark grey non-calcareous mudstone with trace <1 mm wide black beds. @ 252.07 m a 2 cm wide crack-seal texture quartz vein with thin DMe layers between 1 mm wide quartz layers dipping 75 degrees.	t clay																																				
bed	70	261.3	261.6	0.27		Imp			med grey fine grained non-calcareous sandstone with ~10% thin black interbeds.																																					
bed	60	261.6	266.4	4.85		Imp			Dark grey non-calcareous mudstone with rare black interbeds	t clay																																				
bed	65 to	266.4	276.7	10.29		Imp			Dark grey non-calcareous mudstone with 2-3% black mudstone beds (tend to be slightly wavy, occasionally with a rip-up like fabric) rarely beds get up to 2 cm thick. From 267.5-270.0 m 4x10 mm blebs of pyrite occur every 20-50 cm. @ 275.65 m a 1 cm thick quartz vein with a crack-seal texture; 0.5-1 mm quartz layers between thin DMe layers.																																					
bed	72	276.7	291.1	14.37		Imp			Dark grey non-calcareous mudstone with rare thin black beds. @ 278.10 m a 1 cm wide crack-seal quartz vein with ~1 mm wide quartz layers. Every ~1.5 m after 280.06 m 0.5 cm thick comb textured quartz veins occur.																																					

PROPERTY: Rich

HOLE: RI08-24

Struct.		LITHOLOGY						ALT.		MINERALS		SAMPLES				Blocks			GEOTECHNICAL					JOINTS					
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier			From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC (m)	Percent	RQD (m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
bed	70	291.1	303.6	12.57		Imp									291.39	294.44	3.05	2.88	0.978	2.80	92	FR	W	2	70	2	2	A	
															294.44	297.49	3.05	3.04	1.022	2.78	91	FR	W	2	70	2	2	A	
bed	70-74	303.6	317.7	14.09		Imp									297.49	300.53	3.04	3.08	1.025	2.93	96	FR	W	2	70	2	2	A	
															300.53	303.58	3.05	2.71	0.893	2.61	86	FR	W	1	70	2	2	A	
															303.58	306.63	3.05	3.20	1.044	3.08	##	FR	W	2	70	2	2	A	
															306.63	309.68	3.05	3.01	0.972	2.90	95	FR	W	1	70	2	2	A	
															309.68	312.73	3.05	3.01	0.962	1.98	65	FR	W	5	70	2	2	A	
															312.73	315.77	3.04	3.02	0.956	1.72	57	FR	W	5	70	3	3	A	
bed	50-60	317.7	321.7	4.01		Imp									315.77	318.82	3.05	3.02	0.947	0.36	12	FR	W	10	70	2	2	A	
v	78														318.82	321.87	3.05	2.99	0.929	0.60	20	FR	W	8	70	2	2	A	
bed	62	321.7	324.3	2.6		Imp									321.87	324.92	3.05	2.28	0.702	1.03	34	FR	W	3	70				
bed	60	324.3	340.3	16		Imp									324.92	327.96	3.04	2.98	0.909	2.89	95	FR	W	1	70	2	2	A	
v	10														327.96	331.01	3.05	3.01	0.909	2.78	91	FR	W	2	70	2	2	A	
															331.01	334.06	3.05	2.90	0.868	2.70	89	FR	W	2	70	2	2	A	
															334.06	337.11	3.05	3.04	0.902	2.65	87	FR	W	2	70	2	2	A	
															337.11	340.16	3.05	3.03	0.891	2.46	81	FR	W	3	70	2	2	A	
bed	55-65	340.3	343.1	2.74		Imp									340.16	343.21	3.05	3.03	0.883	2.58	85	FR	W	3	70	2	2	A	
bed	50-55	343.1	351.2	8.14		Imp									343.21	346.25	3.04	2.85	0.823	2.07	68	FR	W	4	70	2	2	A	
															346.25	349.28	3.03	3.03	0.867	1.95	64	FR	W	3	70	2	2	A	
															349.28	352.30	3.02	2.88	0.817	2.60	86	FR	W	2	70	2	2	A	
bed	60	351.2	353.1	1.92		Imp									352.30	355.40	3.10	2.93	0.824	2.70	87	FR	W	2	70	2	2	A	
bed	45																												
bed	55	353.1	353.8	0.71		Imp																							
bed	55	353.8	354	0.23		Imp																							

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HOLE: RI08-24

Struct.		LITHOLOGY							ALT.			MINERALS			SAMPLES				Blocks			GEOTECHNICAL					JOINTS											
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier													REC	RQD																
								Notes:													(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling							
bed	56	354	355.4	1.36		Imp		dark grey non-calcareous mudstone with 1% disseminated pyrite and 2% 1-5 mm wide black siltstone horizons.																														
bed	55	355.4	365.2	9.84		Imp		dark grey non-calcareous mudstone with t disseminated pyrite and 5 mm fine grained pyrite beds in groups of 1-4 every 1-1.5 m. (bedding 35 @ beginning and end of interval and 25 in the middle)																														
	65																																					
	55																																					
bed	56	365.2	367.5	2.25		Imp		dark grey non-calcareous mudstone with 10% black siltstone beds (minor soft sediment deformation) - 1% disseminated pyrite.																														
bed	51	367.5	371.8	4.28		Imp		dark grey non-calcareous mudstone with 2% 1-5 mm wide black beds (more prevalent at start of interval). 0.5-0.8 cm wide pyrite beds every 50 cm, changing to lines of blebs near end of interval. @ 368.37-368.49 m quartz veining parallel to bedding 3-6 mm wide for - 40% of rock.																														
bed	59	371.8	377.4	5.59		Imp		Heavily fractured dark grey mudstone with minor pyrite bands. On -25% of fractures shiny graphitic coating.																														
bed	51	377.4	377.8	0.47		Imp		dark grey non-calcareous mudstone with 1% disseminated pyrite and 1 mm wide pyrite bands every 2-3 cm.																														
bed	58	377.8	382.8	4.94		Imp		dark grey non-calcareous mudstone with t disseminated pyrite and 1-3 mm wide pyrite bands every 50 cm disseminated pyrite more prevalent near pyrite bands. 1-2% quartz veinlets from 379.15 to 379.28 m.																														
F?	??	382.8	383.1	0.3		Imp		dark grey highly fractured clayey fault gauge.																														
bed	57	383.1	385.7	2.64		Imp		dark grey highly fractured non-calcareous mudstone with trace disseminated pyrite and 3 mm wide pyrite bands - every 1.5 m. -25% of fractures have shiny graphitic coating.																														
bed	58	385.7	390	4.27		Imp		dark grey non-calcareous mudstone with 1% disseminated pyrite (occurring along v thin beds) with 3 mm wide pyrite beds every 10-40 cm.																														
bed	56	390	390.2	0.24		Imp		med-dark grey calcareous siltstone with minor pyrite beds.																														
bed	57	390.2	397	6.82		Imp		dark grey non-calcareous mudstone with t disseminated pyrite and 0.5 cm wide pyrite bands - every 1.5 m. Near end of the interval -20% of fractures have shiny graphitic coating. Trace <1 mm wide calcite veining along bedding at end of interval.																														
bed	45	397	397.5	0.48		Imp		med-dark grey calcareous siltstone interbedded with ~30% black beds.																														

PROPERTY: Rich

HOLE: RI08-24

Struct.		LITHOLOGY						ALT.	MINERALS	SAMPLES				Blocks			GEOTECHNICAL					JOINTS					
Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:	From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC (m)	Percent	RQD (m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
bed	55	397.5	407.7	10.22		Dme			dark grey non-calcareous cherty siltstone. Fractures easily along bedding t disseminated pyrite and pyrite beds 2-4 mm wide every 1 m. Thickness of pyrite beds decreases to < 1mm and frequency increases to every 50 cm by end of interval. Calcite vein, apparently steeply dipping at least 0.5 cm wide just nicked by drill, @402.62 m.				pyrite	401.12	404.17	3.05	2.56	0.633	0.00	0	FR	W	17	70	2	2	A
										404.17	407.21	3.04					2.13	0.523	0.00	0	FR	W	21	70	2	2	A
bed	50	407.7	408.8	1.02		Dme			med-dark grey calcareous slightly sandy siltstone with minor calcite stringers -parallel to bedding (though slightly erratic).					407.21	410.26	3.05	2.88	0.702	0.92	30	FR	W	13	70	2	2	A
bed	58	408.8	410.9	2.13		Dme			dark grey non-calcareous cherty siltstone with t disseminated pyrite and 0.5-1 cm wide pyrite occurring				pyrite														
F?	???	410.9	411.3	0.4		Dme			dark grey-black heavily fractured gauge; fault?					410.26	413.31	3.05	1.20	0.29	0.00	0	FR	W	27	70	2	2	A
bed	70	411.3	413.3	2.02		Dme			heavily fractured dark grey non-calcareous cherty siltstone																		
bed	65	413.3	414.3	0.99		Dme			med-dark grey calcareous siltstone with rare 1 mm pyrite beds and minor calcite stringers @ 10 degrees.					413.31	416.36	3.05	2.43	0.584	0.89	29	FR	W	18	70	2	2	A
bed	59	414.3	418.1	3.76		Dme			dark grey non-calcareous cherty siltstone with rare 1 mm wide pyrite beds.				pyrite	416.36	419.41	3.05	2.45	0.584	0.37	12	FR	W	10	70	2	2	A
bed	59	418.1	432.2	14.13		Dme			dark grey non-calcareous cherty siltstone with t disseminated pyrite and 1-4 mm wide pyrite bands every 10-30 cm.				pyrite	419.41	422.25	2.84	2.15	0.509	0.38	13	FR	W	13	70	2	2	A
bed	65									422.25	425.50	3.25		422.25	425.50	3.25	2.26	0.531	0.00	0	FR	W	11	70	2	2	A
bed	56									425.50	428.55	3.05		425.50	428.55	3.05	2.62	0.611	0.00	0	FR	W	15	70	2	2	A
bed	59									428.55	431.60	3.05		428.55	431.60	3.05	2.66	0.616	0.00	0	FR	W	15	70	2	2	A
bed	45	432.2	432.9	0.75		Dme			med-dark grey calcareous siltstone					431.60	434.65	3.05	2.95	0.679	0.72	24	FR	W	8	70	2	2	A
bed	50	432.9	444.3	11.33		Dme			dark grey non-calcareous cherty siltstone. First 5 cm -40% 3 mm wide calcite veins @ 80 degrees. Thin pyrite beds -every 50-75 cm.				pyrite	434.65	437.69	3.04	2.95	0.674	0.00	0	FR	W	14	70	2	2	A
bed	58									437.69	440.74	3.05		437.69	440.74	3.05	2.18	0.495	0.00	0	FR	W	18	70	2	2	A
bed	55									440.74	443.79	3.05		440.74	443.79	3.05	2.34	0.527	0.00	0	FR	W	19	70	2	2	A
bed	62	444.3	460.4	16.08		Dme			dark grey non-calcareous cherty siltstone with t 2 mm wide pyrite beds, heavily fractured. Concentration of pyrite beds increases with depth until -1 every 50 cm near bottom of int.				pyrite	443.79	446.84	3.05	1.90	0.425	0.61	20	FR	W	15	70	2	2	A
	59									446.84	449.88	3.04		446.84	449.88	3.04	1.80	0.4	0.00	0	FR	W	13	70	2	2	A
	56									449.88	452.93	3.05		449.88	452.93	3.05	2.50	0.552	0.00	0	FR	W	14	70	2	2	A
	55									452.93	455.98	3.05		452.93	455.98	3.05	1.94	0.425	0.23	8	FR	W	9	70	2	2	A
	55									455.98	459.03	3.05		455.98	459.03	3.05	3.02	0.658	0.11	4	FR	W	9	60	2	2	A
	55									459.03	462.08	3.05		459.03	462.08	3.05	1.70	0.368	0.10	3	FR	W	15	60	2	2	A
F?	??	460.4	460.6	0.2		Fault?			heavily fractured DMe; slightly gaugey, fault?					462.08	465.12	3.04	2.55	0.548	0.32	11	FR	W	16	60	2	2	A
bed	58	460.6	468	7.41		Dme			dark grey non-calcareous cherty siltstone with -1-2% 1 mm thick pyrite bands/band of blebs				pyrite	465.12	468.17	3.05	0.69	0.147	0.00	0	FR	W	7	60	2	2	A
	75									468.17	471.22	3.05		468.17	471.22	3.05	2.60	0.552	0.16	5	FR	W	7	70	2	2	A
F?	??	468	468.2	0.21		Fault?			dark grey gauge (fault?) poor recovery in this area																		
bed	70	468.2	468.8	0.66		Dme			dark grey non-calcareous cherty siltstone with 1-2 mm pyrite bands every 10-30 cm.				pyrite														

PROPERTY: Rich

HOLE: RI08-24

Struct.		LITHOLOGY							ALT.			MINERALS			SAMPLES				Blocks			GEOTECHNICAL					JOINTS															
Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:													REC	RQD																			
																					(m)	Percent	(m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling											
bed	50	468.8	470.1	1.24	Dme					med-dark grey non-calcareous cherty siltstone with ~3% < 1mm wide pyrite beds - equally spaced (beds thicker near top of interval). Trace erratic thin calcite veins.																																
bed	60	470.1	488.7	18.67	Dme					dark grey non-calcareous cherty siltstone with minor <1 mm wide calcite veining. 0.5% pyrite blebs along bedding.																																
v	15																																									
v	60																																									
bed	60	488.7	500.6	11.83	Dme					dark grey non-calcareous cherty siltstone with ~ 2% pyrite blebs along bedding planes (blebs ~ 0.5 mm x 1 mm but can be up to 1 mm x 5 mm). Trace v thin calcite veins.																																
v	70																																									
		500.6	501.7	1.17	Dme					dark grey non-calcareous cherty siltstone t pyrite and extensive graphitic coating																																
		501.7	502.7	1	Dme					dark grey non-calcareous cherty siltstone with ~3% pyrite occurring as blebs along bedding planes.																																
bed	32	501.7	502.7	1	Dme					dark grey non-calcareous cherty siltstone with ~1% pyrite in small flakes parallel to bedding. @ 504.61 m a 0.5 cm wide calcite vein offset 1 cm by a healed fracture at 20 degrees.																																
bed	42	502.7	508.3	5.58	Dme																																					
bed	60																																									
bed	60-63	508.3	512.6	4.25	Dme					dark grey non-calcareous cherty siltstone with minor disseminated pyrite and ~2% pyrite occurring as bands of blebs throughout interval. Trace calcite veining <1 mm wide																																
v	20																																									
bed	45	512.6	521.1	8.55	Dme					dark grey non-calcareous cherty siltstone with ~0.5% pyrite occurring as 1-2 mm blebs along bedding. Erratic calcite veining occurs between 512.90-513.09 m and between 518.16-518.30 m (~2% of rock) as 1 mm wide veins. Calcite coats ~10% of fractures and minor graphite coats some other fractures.																																
bed	35																																									
bed	20																																									
		521.1	522.4	1.24	Dme					dark grey non-calcareous cherty siltstone with erratic quartz veining (~4% of rock) veins are predominantly parallel to bedding but also cut across beds. Veins range from <1 mm to 1 cm wide. Some have a minor calcite component. Large fracture @ 521.63 m contains extensive graphitic coating. 0.5% pyrite blebs along bedding.																																
bed	65	522.4	524.3	1.9	Dme					dark grey non-calcareous cherty siltstone, highly fractured with minor disseminated pyrite.																																

PROPERTY: Rich

HOLE: RI08-24

Struct.		LITHOLOGY						ALT.		MINERALS		SAMPLES				Blocks			GEOTECHNICAL					JOINTS					
Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier			From (m)	To (m)	Interval (m)	Sample	From (m)	To (m)	Intvl. (m)	REC (m)	Percent	RQD (m)	Percent	Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
		556.9	562.5	5.62		Dme									556.56	559.61	3.05	2.22	0.397	0.28	9	FR	W	1	70	2	2	A	
		562.5	565.7	3.2		Dme									559.61	562.66	3.05	1.37	0.243	0.00	0	FR	W	2	70	2	2	A	
		EOH													562.66	565.71	3.05	2.20	0.389	0.12	4	FR	W	8	70	2	2	A	

PROPERTY:

HOLE:

Struct.	LITHOLOGY								Notes:	ALT.			MINERALS			SAMPLES					Blocks			GEOTECHNICAL				JOINTS							
	Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture		Modifier			py			From (m)	To (m)	Interval (m)	Sample			From (m)	To (m)	Intvl. (m)	REC		RQD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling
																									(m)	Percent	(m)	Percent							
bed 55																					60.05	63.09	3.04	2.48	3.93	0.43	14	FR	W	1	60	2	2	A	
bed 50																					63.09	66.14	3.05	2.48	3.75	1.38	45	FR	W	2	60	2	2	A	
bed 60																					66.14	69.19	3.05	2.94	4.25	1.37	45	FR	W	1	60	2	2	A	
bed 61																					69.19	72.24	3.05	3.08	4.26	1.89	62	FR	W	1	60	2	2	A	
bed 53																					72.24	75.29	3.05	2.94	3.9	1.94	64	FR	W	1	60	2	2	A	
bed 59																					75.29	78.33	3.04	2.72	3.47	0.43	14	FR	W	2	60	2	2	A	
bed 63																					78.33	81.38	3.05	2.30	2.83	0.10	3	FR	W	1	60	2	2	A	
bed 62																					81.38	84.43	3.05	2.20	2.61	0.47	15	FR	W	1	60	2	2	A	
bed 50																					84.43	87.48	3.05	2.80	3.2	0.49	16	FR	W	1	60	2	2	A	
bed 50			104.6	105.2	0.56		Imp			dark grey non-calcareous mudstone interbedded with 20% black mudstone beds ranging from 1 mm to 2 cm wide. minor evidence of soft sediment. def.											87.48	90.53	3.05	2.77	3.06	0.98	32	FR	W	1	60	2	2	A	
bed 49			105.2	114.2	9.04		Imp			dark grey non-calcareous mudstone. Trace 1 mm wide black beds with minor soft sediment deformation @ 108.85 1 cm wide calcite crack-seal vein parallel to bedding ~ 40% calcite 60% thin rip-ups of host rock											90.53	93.57	3.04	2.92	3.12	1.93	63	FR	W	1	60	2	2	A	
bed 67			114.2	118.6	4.38		Imp			dark grey non-calcareous mudstone with black beds; for 1st 50 cm of int. ~ 40% black beds 1-2 cm wide after ~ 3% black beds 1-2 mm wide. Rarely pyrite is contained within black beds. @ 114.37m 0.5cm wide crack-seal calcite vein. Calcite makes-up 60% of vein. Significant soft sediment deformation			t									93.57	96.62	3.05	2.68	2.77	1.96	64	FR	W	1	60	2	2	A
			118.6	133.1	14.5		Imp			dark grey non-calcareous mudstone with rare black beds mod-high hardness. 4 mm wide quartz vein parallel to bedding @ 120.83m with ~10% host rock rip-ups (1.5 cm long 2 mm wide and 5% calcite). @124.05 m 1 cm wide gaugey zone; though at end of run possibly caused by drillers.												96.62	99.67	3.05	2.93	2.94	2.20	72	FR	W	1	60	2	2	A
bed 49			133.1	136.9	3.8		Imp			dark grey non-calcareous mudstone interbedded with 23% black mudstone and 7% med grey fine grained sandstone. Minor thin (1 mm) calcite veining parallel to bedding associated with black beds. Large cluster occurs between 133.4-133.46m ~20% is calcite vein. Evidence of soft sediment deformation.											99.67	102.72	3.05	2.83	2.76	1.50	49	FR	W	1	60	2	2	A	
bed 56			136.9	145.6	8.66		Imp			dark grey non-calcareous mudstone with 3% black mudstone interbeds. Non-calcareous with 3 mm wide quartz vein (with t. calcite) @ 140.73 m parallel to bedding.											102.72	105.77	3.05	2.80	2.65	1.40	46	FR	W	1	60	2	2	A	
bed 63																					105.77	108.81	3.04	2.64	2.43	2.09	69	FR	W	1	60	2	2	A	

PROPERTY:

HOLE:

Struct.	LITHOLOGY								Notes:	ALT.			MINERALS			SAMPLES					Blocks			GEOTECHNICAL				JOINTS									
	Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture		Modifier				py			From (m)	To (m)	Interval (m)	Sample			From (m)	To (m)	Intvl. (m)	REC		RQD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
																										(m)	Percent	(m)	Percent								
bed 49			145.6	146.2	0.6					dark grey non-calcareous mudstone interbedded with ~15% black mudstone with ~10% of black mudstone being pyrite. Indicates a fold with top side dipping 49 degrees and the bottom side dipping 47 degrees.				t pyrite								108.81	111.86	3.05	2.30	2.06	0.90	30	FR	W	1	60	2	2	A		
bed 47																						111.86	114.91	3.05	2.90	2.52	1.59	52	FR	W	1	60	2	2	A		
bed 59			146.2	149.6	3.43					dark grey non-calcareous mudstone with t thin black beds t disseminated pyrite				t pyrite								114.91	117.96	3.05	2.73	2.31	1.71	56	FR	W	1	60	2	2	A		
bed 45			149.6	150	0.34					dark grey non-calcareous mudstone interbedded with 20% 2 cm wide black beds. Appear to be folded dipping 45 degrees in one direction and 52 degrees in the opposite direction. Black beds contain ~ 25% pyrite.				5% pyrite								117.96	121.01	3.05	2.71	2.24	1.48	49	FR	W	1	60	2	2	A		
bed 45					0																	121.01	124.05	3.04	2.98	2.4	1.87	62	FR	W	1	60	2	2	A		
bed 55			150	166.2	16.28					dark grey non-calcareous mudstone with rare black flecks. A few 1-6 mm wide black beds near the end of the interval @ 160.95 m there is a 3 cm wide clay gauge zone @ the end of the interval minor quartz stringers and t clay alt.				t clay								124.05	127.10	3.05	2.86	2.25	1.86	61	FR	W	1	60	2	2	A		
bed 68																						127.10	130.15	3.05	2.93	2.25	1.87	61	FR	W	1	60	2	2	A		
bed 59																						130.15	133.20	3.05	3.00	2.25	2.39	78	FR	W	1	60	2	2	A		
bed 65																						133.20	136.25	3.05	2.88	2.11	1.82	60	FR	W	2	60	2	2	A		
bed 61																						136.25	139.29	3.04	2.80	2.01	1.68	55	FR	W	1	60	2	2	A		
bed 56			166.3	174.1	7.76					med grey fine grained non-calcareous sandstone.												139.29	142.34	3.05	3.24	2.28	2.10	69	FR	W	1	60	2	2	A		
bed 71			174.1	175.3	1.2					dark grey non-calcareous mudstone with rare black flecks (0.2x2 mm). 2 med grey mudstone beds from 173.20-173.22m and 173.27-173.29m. @ 173.15m a 0.5 cm thick clay gauge zone.												142.34	145.39	3.05	2.86	1.97	2.16	71	FR	W	1	60	2	2	A		
bed 50																						145.39	148.44	3.05	2.86	1.93	2.25	74	FR	W	1	60	2	2	A		
bed 59			175.3	183	7.72					dark grey non-calcareous mudstone with t black flecks and rare black beds. @ 176.00-176.02 m and 176.86-176.88 m light-med grey beds. @ 179.84-179.88 m a med grey slightly sandy bed with minor cross bedding from 182.49-182.82 m several milky quartz veins with t calcite (~20 % of rock ~4 mm wide generally dipping along bedding but small stringers connecting veins.														148.44	151.49	3.05	2.77	1.83	2.33	76	FR	W	1	60	2	2	A
bed 67																						151.49	154.53	3.04	2.84	1.84	2.28	75	FR	W	2	60	2	2	A		
bed 66																						154.53	157.58	3.05	2.56	1.62	2.19	72	FR	W	1	60	2	2	A		
bed 75																						157.58	160.63	3.05	2.80	1.74	2.40	79	FR	W	1	60	2	2	A		
bed 50																						160.63	163.68	3.05	3.03	1.85	3.03	99	FR	W	1	60	2	2	A		
bed 72																						163.68	166.73	3.05	3.05	1.83	3.00	98	FR	W	1	60	2	2	A		

PROPERTY:

HOLE:

Struct.	LITHOLOGY								ALT.			MINERALS			SAMPLES					Blocks			GEOTECHNICAL					JOINTS								
	Type	Attitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:			py			From (m)	To (m)	Interval (m)	Sample			From (m)	To (m)	Intvl. (m)	REC		RQD		Weathering	Hardness	Frequency	Attitude	Shape	Roughness	Infilling	
																									(m)	Percent	(m)	Percent								
bed 52			218.8	241.5	22.65		Imp			dark grey non-calcareous mudstone with rare black beds (show minor soft sediment deformation). @ 230.08m, 230.48m and 233.84m a 5 mm wide milky crack-seal quartz vein with minor quartz stringer veins near it. @ 233.93m, 236.30m and 235.47m 0.5-1 cm wide ~15% fine grained disseminated pyrite bands occur.			t										249.02	252.07	3.05	2.83	1.12	2.16	71	FR	W	1	60	2	2	A
bed 66																						252.07	255.12	3.05	2.88	1.13	1.44	47	FR	W	1	60	2	2	A	
bed 61																						255.12	258.17	3.05	2.82	1.09	2.09	69	FR	W	1	60	2	2	A	
bed 58																						258.17	261.21	3.04	2.87	1.1	0.96	32	FR	W	1	60	2	2	A	
bed 64																						261.21	264.26	3.05	3.01	1.14	2.59	85	FR	W	1	60	2	2	A	
bed 58																						264.26	267.31	3.05	2.86	1.07	2.34	77	FR	W	1	60	2	2	A	
bed 67			241.5	242.6	1.16		Imp			dark grey non-calcareous mudstone heavily fractured with 3 cm thick x clay alt @ 241.48 and 242.93 m. T. thin quartz stringer veins occur @ 242.00m, 242.42m and 242.63m (dip same as bedding) @242.33 m a 3 cm wide crack-seal quartz vein with a 3 mm wide black seam in the middle ~5% mudstone included in crack-seal texture. Minor shiny (graphitic?) coating on fractures. For 3 cm above crack-seal ~2% vertical. to bedding v. thin white quartz stringer veins.			t										267.31	270.36	3.05	2.86	1.06	2.56	84	FR	W	0				
bed 69																						270.36	273.41	3.05	2.85	1.04	2.80	92	FR	W	1	60	2	2	A	
bed 59			242.6	247.4	4.73		Imp			dark grey non-calcareous mudstone with t. 2-3 mm wide black beds with 15% v fine grained pyrite. Minor shiny coating on ~20% of fractures. @ 245.97m broken-up but likely driller breaks.			t									273.41	276.45	3.04	2.75	0.99	2.71	89	FR	W	1	60	2	2	A	
bed 57																						276.45	279.50	3.05	3.00	1.07	2.62	86	FR	W	1	60	2	2	A	
bed 44			247.4	249	1.65		Imp			dark grey non-calcareous mudstone with quartz stringers along bedding (or rarely @ 80 degrees) ~2mm wide every 10-20 cm. In last 75 cm on int. becomes interbedded with med grey fine grained sandstone (grades from no sandstone to ~ 60% sandstone).												279.50	282.55	3.05	2.63	0.93	1.85	61	FR	W	0					
bed 57			249	252.7	3.71		Imp			dark grey non-calcareous mudstone with t black beds and minor shiny coating on fractures.												282.55	285.60	3.05	2.86	1	2.54	83	FR	W	1	60	2	2	A	

PROPERTY:

HOLE:

Struct.		LITHOLOGY							ALT.			MINERALS			SAMPLES					Blocks			GEOTECHNICAL				JOINTS																
Type	Altitude	From (m)	To (m)	Interval (m)	Type	Unit	Texture	Modifier	Notes:																																		
bed 53	298.1	306	7.92		Imp					dark grey non-calcareous mudstone with t black beds exhibiting minor soft sediment deformation. Beds tend to concentrate into sections 15-25 cm wide of 2% black beds every 1.5-2 m. @ 298.39 m a 4 mm wide comb texture qtz (30%) and calcite (70%) vein with quartz combs surrounded by fine grained calcite matrix. @303.35-303.38 m med grey/brown mudstone bed. Minor white coating on a few of the fractures.																																	
bed 64																																											
bed 72																																											
bed 58																																											
bed 66																																											
bed 58	306	322.1	16.04		Imp					dark grey non-calcareous mudstone with minor black beds 1-5 mm wide (near end of interval all beds are 1 mm or less). @306.17m glassy 3mm thick quartz vein with t calcite and @306.42 m 1 mm thick quartz vein with t calcite. @ 309.92 m a 1 mm wide pyrite bed. @309.98-310.04 m a med brown/grey bed. @313.43 m a 4mm wide quartz breccia? with ~10% small angular mudstone pieces (>1 mm diameter) appears to follow bedding then flatten out to 80 degrees, only goes half way across core. 2 and 3 cm wide med brown/grey beds occur @ 305.34 and 317.09m. @ 317.62 and 321.15 m 3 and 5 cm wide brown/grey mudstone nodules. From 319.90-319.93 m crack seal quartz vein with glassy quartz nodules (~40%) cemented by fine grained quartz incorporating ~ 15% mudstone.																																	
bed 59																																											
bed 62																																											
bed 66																																											
bed 58																																											
bed 61																																											
bed 65																																											
bed 61																																											
bed 50	322.1	331.3	9.25		Imp					dark grey non-calcareous mudstone (top 30 cm slightly sandy) with t thin black beds at top of the interval steadily increasing in amount until 20% of rock at end of int. (though still <3% until last 75 cm). Beds are 0.5-3 cm wide at end of the interval. From 326.34 to 326.41 m med grey sandy bed.																																	
bed 64																																											
bed 54																																											

2001048

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 – 510 West Hastings Street
Vancouver, B.C. V6B 1L8

Telephone: 604-688-2568

Fax: 604-688-2578

AFFIDAVIT

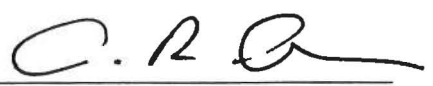
I, Joan Mariacher, of Vancouver, B.C. make oath and say:

That to the best of my knowledge the attached Statement of
Expenditures for exploration work on the Rich 1-186 mineral
claims on Claim Sheet 116I/8 is accurate.


Joan Mariacher

Sworn before me at Vancouver, B.C.
this 5th day of December 2008.




Notary Public, Yukon Territory

2001048

Statement of Expenditures
Rich Mineral Claims
November 3, 2008

Contract Diamond Drilling

Orofino Drilling

\$187,480.74

Total Footage – 909.21 metres = \$206.20/m

<u>Claim Name</u>	<u>Grant Number</u>	<u>Depth (m)</u>	<u>Cost</u>
Rich 13	YC45150	343.50	\$ 70,830.32
Rich 124	YC45463	<u>565.71</u>	<u>116,650.42</u>
		909.21	\$187,480.74



2001048

OROFINO DRILLING

PO Box 958
38812-99 St.
Olliver, BC, British Columbia V0H 1T0
1a

INVOICE

Invoice No: 9
Date: 22/05/2008
Page: 1

Sold To:
SOUTHAMPTON VENTURES INC.
NiMo Project
Nimo Drilling Program

Ship To:

SOUTHAMPTON VENTURES INC
NiMo Project
1016-510 W. Hastings St.
Vancouver, BC
V6B 1L8
Canada



Business No.: 844264952

A^u

Item No.	Quantity	Unk	Description	Tax	Unit Price	Amount	
			May 8 - 18, 2008 DDH# RI-24-08				
1.	15.8	Meter	HW casing	G	145.00	2,291.00	
2.	46.9	Meter	HW coring	G	135.00	6,331.50	
3.	12.2	Meter	NW casing	G	135.00	1,647.00	
4.	249.4	Meter	NQ2 coring	G	120.00	29,928.00	
5.	97	Meter	NQ2 coring	G	140.00	13,580.00	
6.	165.7	Meter	NQ2 coring	G	154.00	25,517.80	
7.	218	Hour	Man field rate	G	70.00	15,260.00	
8.	91	Hour	Equipment field rate	G	120.00	10,920.00	
9.	1	Each	HQ reaming shell 100%	G	504.00	504.00	
10.	1.5	Each	NQ2 core bit 100%	G	606.00	909.00	
11.	48	Each	Bentonite	G	17.50	840.00	
12.	17	Each	Bentonite chip	G	18.50	314.50	
13.	1	Each	Rod grease	G	115.00	115.00	
14.	5	Each	550X	G	190.00	950.00	
15.	2	Each	Soda ash	G	60.00	120.00	
16.	1.5	Each	HQ core bit 100%	G	1,060.00	1,590.00	
17.			15% S/H on items 9 - 16	G		801.37	
			Subtotal;			111,619.17	
			G - GST 5%				
			GST			5,580.97	
Comments						Freight	0.00
574.8m @ 204/m						Total Amount	117,200.14

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2001048

OROFINO DRILLING

PO Box 958
38812-98 St,
Oliver, BC, British Columbia V0H 1T0
Canada

INVOICE

Invoice No.: 12
Date: 25/06/2008
Page: 1

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SOUTHAMPTON VENTURES INC
NIMO Project
Nimo Drilling Program

Ship To:

SOUTHAMPTON VENTURES INC.
NIMO Project
1016-510 W. Hastings St
Vancouver, BC
V6B 1L8
Canada

A ✓

Business No.: 844264952

Item No.	Quantity	Unit	Description	Tax	Unit Price	Amount	
			May 19 - 24, 2008 DDH# RI-25-08				
1.	10.7	Meter	HW casing	G	145.00	1,551.50	
2.	33.2	Meter	HQ coring	G	135.00	4,482.00	
3.	57.9	Meter	NW casing	G	135.00	7,816.50	
4.	280.6	Meter	NQ2 coring	G	120.00	31,272.00	
5.	40.5	Meter	NQ2 coring	G	140.00	5,670.00	
6.	78	Hour	Man field rate	G	70.00	5,460.00	
7.	17	Hour	Equipment field rate	G	120.00	2,040.00	
8.	1	Each	3-7/8" tricone 100%	G	1,166.00	1,166.00	
9.	1	Each	NQ2 core bit 80%	G	484.80	484.80	
10.	1	Each	HQ core bit 60%	G	636.00	636.00	
11.	1	Each	HQ reaming shell 100%	G	504.00	504.00	
12.	1	Each	HW casing shoe 100%	G	489.00	489.00	
13.	1	Each	NW casing shoe 100%	G	448.00	448.00	
14.	1	Each	NQ2 reaming shell	G	425.15	425.15	
15.	2	Each	555X	G	190.00	380.00	
16.	1	Each	Soda ash	G	60.00	60.00	
17.			15% S/H on items 8 - 16	G		688.94	
			Subtotal:			63,573.89	
			G - GST 5%				
			GST			3,178.71	
Comments						Freight	0.00
						Total Amount	66,752.60



✓

2001048

OROFINO DRILLING

PO Box 868
38812-99 St.
Oliver, BC, British Columbia V0H 1T0
C 'a

INVOICE

Invoice No.: 15
Date: 05/06/2008
Page: 1

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NIMo Project
Nimo Drilling Program

Ship To:

SOUTHAMPTON VENTURES INC.
NIMo Project
1016-510 W. Hastings St.
Vancouver, BC
V6B 1L8
Canada

A ↗

Business No.: 844284952

Item No.	Quantity	Unit	Description	Tax	Unit Price	Amount
1.	48	Hour	May 24, 25, 2008 Demobilization of crew and equipment Man field rate	G	70.00	3,360.00
			Subtotal:			3,360.00
			G - GST 5%			
			GST			168.00
nments						0.00
Rich ↗						Freight
						Total Amount
						3,528.00 ↗

