

# EXPLORATION REPORT

## ROD-STIR PROPERTY

Clinton Mining Division, British Columbia

**LATITUDE 51°07' / LONGITUDE 122°15'**  
**NTS: MAP 0920/1**

**By**

**J.M. STEWART**  
**R.M. DURFELD, B.Sc., P.GEO.**

1840 LARSON ROAD  
NORTH VANCOUVER, BC V7M 2Z6

NOVEMBER, 2006

**GEOLOGICAL SURVEY BRANCH**  
A MINING REPORT

**2006**

**RECEIVED**  
NOV 20 2006  
Gold Commissioner's Office  
VANCOUVER, B.C.

# TABLE OF CONTENTS

A.)	PROPERTY DESCRIPTION .....	- 2 -
1)	Location .....	- 2 -
2)	Access and Physiography .....	- 2 -
3)	Claims .....	- 2 -
4.)	Regional History ( Stirrup / Roderick Creek).....	- 4 -
5.)	2006 Exploration Program.....	- 4 -
C.)	CLAIM SURVEY.....	- 4 -
D.)	GEOLOGY .....	- 6 -
1)	Regional & Property Geology .....	- 6 -
2)	Mineralization.....	- 7 -
E.)	GEOCHEMISTRY .....	- 7 -
1)	Sample Collection and Mapping.....	- 7 -
F.)	RESULTS .....	- 8 -
F.)	COST STATEMENT.....	- 9 -
G.)	STATEMENT OF QUALIFICATIONS .....	- 10 -

## ILLUSTRATIONS

Figure 1	ROD-STIR PROPERTY LOCATION MAP	Page 1
Figure 3	ROD-STIR CLAIM LOCATION MAP	Page 3
Figure 4	ROD-STIR GEOLOGY MAP	Attached
Figure 5	ROD-STIR GEOLOGY MAP WITH SAMPLE LOCATION	*
Figure 6	ROD-STIR CLAIM MAP WITH SAMPLE LOCATION	*

## APPENDICES

APPENDIX I	- 2006 Analytical Results
------------	---------------------------

**ROD-STIR PROPERTY**



Map Center: 54.4781N 124.7082W

**Figure 1 ROD-STIR PROPERTY LOCATION MAP**

**FIGURE 1**

## A.) PROPERTY DESCRIPTION

### 1) Location

The Rod-Stir Property is located, on the west side of the Fraser River, 92 kilometers north of the community of Lillooet. The property is centered at 51°07' north latitude and 122°15' west longitude, UTM NAD 83 5663066 mN and 552495 mE. (Figure 1)

### 2) Access and Physiography

The property is accessed from Lillooet via the West Pavilion Forestry road on the west side of the Fraser River. At kilometre 92 on the West Pavilion road a secondary mining road takes off to the west and at 9 kilometres bisects the property. The closest helicopter service is located in Lillooet. (Figure ?)

The property is on the Fraser Plateau in south central British Columbia. The topography of the property is dominated by the east-west trending 9-mile ridge with elevations ranging from 1600 to 2010 metres above sea level.

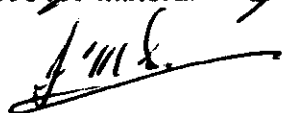
### 3) Claims

The Rod-Stir Property consists of 5 contiguous tenures covering some 872.13 hectares of mineral tenure in the Clinton Mining Division. (Figure 2)

The following table lists the current status of the claims. The Good Until date reflects work that was filed as SOW Exploration and Development Work / Expiry Date Change (4099182).

#### ROD-STIR TENURE DATA

Tenure Number	Type	Claim Name	Good Until	Area (ha)
518186	Mineral	DAVE	20070826	486.777
518257	Mineral	DAVE 2	20070826	223.084
518258	Mineral	DAVE 3	20070826	101.426
538455	Mineral	GAP 1	20070801	40.56
538457	Mineral	GAP 2	20070801	20.282
				<del>872.129</del>



#### **4.) Regional History ( Stirrup / Roderick Creek)**

Mineral claims owned by H.V. Warren and his associates, located on the ridge between the headwaters of Stirrup Creek and Roderick Creek in the Clinton Mining Division, have been investigated for the source of several thousand ounces of placer gold. Warren reports that placer gold was discovered at Stirrup Creek during World War 1 and over the following 25 years, some 3000 to 5000 ounces of gold were produced. Placer operations have continued intermittently since that time.

The 1933 B.C. Minister of Mines Report notes that a 100 foot cross-cut with an 80 foot winze and a connecting 12 foot drift were completed that year. A number of veins and lenses of stibnite were located in 1942.

Rio Tinto Explorations Ltd. optioned the property in 1969. That company carried out geochemical surveys and drilled nine percussion holes aggregating 494 metres (1622 feet). A piece of float found on the ridge saddle at this time assayed 0.66 opt gold. Placer Development Ltd. optioned the property in 1973 and undertook geochemical and trenching programs. Then Chevron optioned the property in 1974. Chevron also conducted geochemical and geological programs, trenching, and in 1975 drilled two 300 foot vertical core holes. Asarco made detailed examinations of the claims in 1980, and Placer Development are reported to have conducted a limited VLF-EM test in 1984. Interest in the property was again revived in 1986 when the high grade Blackdome gold deposit located about 30 kilometers north of Stirrup Creek was brought into production.

Chevron Canada Resources Limited again optioned the property in 1987 along with the adjacent Brent property to the west. The properties were acquired with a view to re-evaluating a number of known gold showings within the Warren claims, and in particular to determine whether smaller, structurally controlled deposits may be present. In June and July of 1987, a number of old trenches were cleaned, a limited amount of new trenching was completed and sampled. In October, four shallow drill tests were completed. (Assessment Report 17336-T.E. Lisle, Dec. 18, 1987)

#### **5.) 2006 Exploration Program**

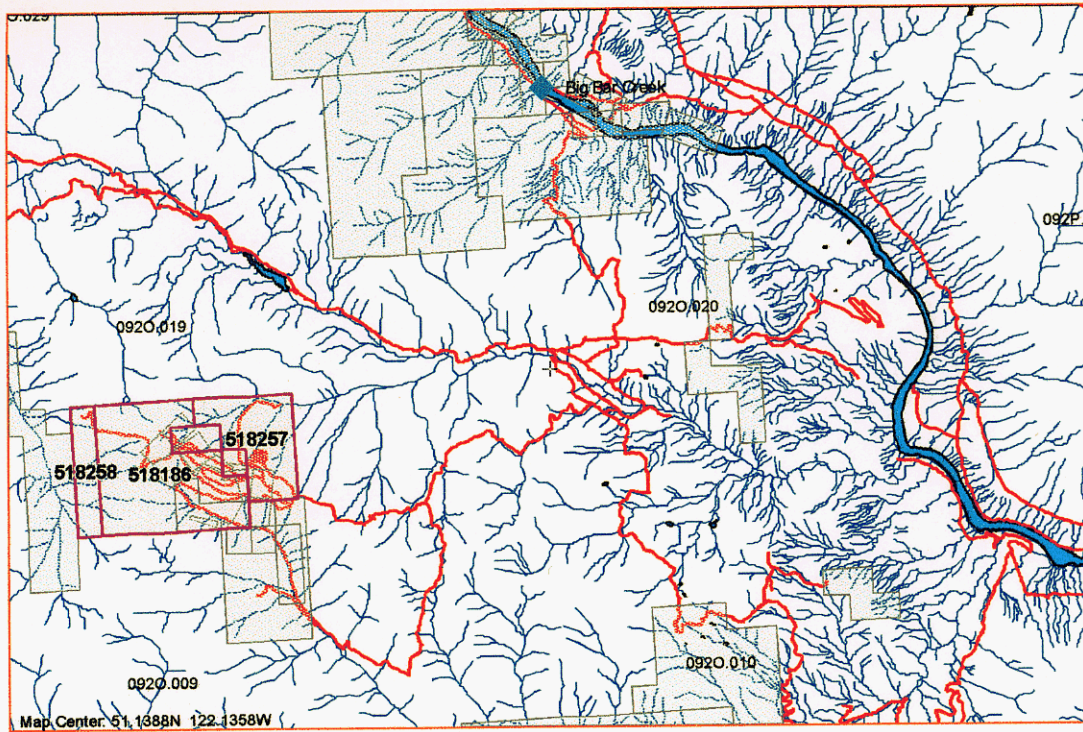
The objective of the 2006 program was:

- 1/ To determine what ground was actually acquired with the MTO staking system in view of the apparent discrepancy in a) the location of the underlying crown grants and b) the location of the underlying 12, two post claims .
- 2/ To research and compile all previous reports on the property.
- 3/ To prospect the tenure area with a particular focus on the intrusive contact areas.

The 2006 work is described in this report.

#### **C.) CLAIM SURVEY**

A Claim Survey was conducted on July 6 and 7, 2006 by R.M.Durfeld , B. Sc., P. Geo. and J.M. Stewart, utilizing a Model Trimble Pro-XL. Survey points were collected for



**Figure 3: ROD-STIR CLAIM LOCATION MAP**

ROD-STIR CLAIM LOCATION MAP  
FIGURE 3

claim posts and monuments and differentially corrected. The corrected data points are listed in the following table and plotted on the previous claim location map (Figure 3).

GPS field coordinates were taken at three Legal monuments (north west, north east & south east corners) on D.L. 8192. GPS field coordinates were also taken on all claim posts of Stirrup 1 to 6 claims and on the claim posts of Stirrup 7,8,9,11 and the initial post of Stirrup 12 & 13 claims.

This corrected field data was compiled, a data plan prepared and forwarded to the claims inspector at Kamloops. A second GPS survey was conducted on October 18, 2006 by Don Smith-Claims Inspector- of Kamloops. This survey duplicated the first but added several more legal corners of the old Crown Grants to the list of coordinated points. Those added include two angle irons on the west boundary of L. 7981, one angle iron on the north boundary of L. 7979 and one angle iron at the south east corner of L. 7979. This survey was conducted using a Trimble GPS and correcting the data. The ministry claim survey verified our original survey and defined Rod-Stir property, the area we had acquired by staking.

		Mels Claim Survey				
		UTM NAD 83				
			Height	Northing	Easting	
1	SE8192	#####	01:06:07pm	1856.666	5663921.618	553890.785
2	NE8192	#####	01:14:59pm	1886.894	5663991.509	553888.393
3	NW8192	#####	01:30:28pm	1871.143	5663978.592	553691.1
4	STIR I 1,2	#####	02:06:42pm	1828.418	5663565.003	555415.803
5	STIR F1,2 I3,4	#####	02:27:17pm	1839.375	5663608.495	555041.508
6	STIR F3,4 I5,6	#####	02:34:42pm	1839.175	5663580.087	554589.963
7	STIR F 5,6	#####	02:44:10pm	1842.977	5663749.144	554105.403
8	STIR F9,18	#####	03:13:49pm	1918.827	5663766.717	554450.192
9	STIR F8,17 11	#####	03:22:35pm	1980.201	5664110.204	554056.358
10	DRILL HOLE 1	#####	03:29:59pm	1993.81	5664460.441	553824.799
11	DDH SC 05 02	#####	03:36:09pm	1993.266	5664450.216	553824.533
12	DRILL HOLE 2	#####	03:38:28pm	2001.994	5664493.082	553874.313
13	DRILL HOLE 3	#####	03:39:08pm	2002.766	5664494.284	553871.882
14	STIR F7,11 I12,13	#####	04:08:43pm	2003.522	5664550.549	553773.841
15	STIR I9	#####	04:29:45pm	1862.423	5663677.538	554972.272
16	DAVIS CABIN	#####	04:45:38pm	1839.447	5663910.309	553775.781





limited exposure, the nature of the intrusives are not defined but are believed to be part of the sill and Dyke system present at Stirrup Creek. Some locations, the mineralized intrusions form prominent gossans on the open slopes.

Close to the northwest corner of the claim, small stibnite occurrences have been partly exposed in bulldozer trenches. The stibnite occurs as narrow seams near the contacts of a quartz-feldspar porphyry sill that may trend west to northwest in an argillaceous siltstone host. Nearby rocks are locally highly altered, cream-coloured and clay rich with dark brown fractures. This setting and the geochemistry are similar to other occurrences on the adjacent Stirrup Creek property.

Two small hand pits near the intersection of the Sun, Shine and Brent claims reveal grey stibnite bearing quartz veins and stringers in a gossanous quartz-feldspar porphyry. The extent or trend of this zone is presently uncertain. Poorly defined quartz veins assaying up to 200 ppb gold are present near the northwest margin of the Shine claim. This material appears to mark a contact between quartz-feldspar porphyry and Jackass sandstone.

(Assessment Report 16303, T.E. Lisle, Oct. 18, 1987)

## 2) Mineralization

In the north west area of the property, the mineralized zone referred to by T. E. Lisle in Assessment Report 16303 was identified in the field. This area was prospected further to determine the extent of the mineralization

## E.) GEOCHEMISTRY

### 1) Sample Collection and Mapping

The 2006 program of prospecting and mapping included collecting samples. Eight rock samples were collected, marked and later sent for assay. Mapping of sample locations, and features was done with handheld GPS, compass and belt chain. Rock types, faults and mineralized areas were noted. The following table summarizes the results.

		PROJECT		ROD/STIR	Aug. 23/06
WPT	Sample No.	Northing	Easting	Elev.	Description
					Old DDH north of Cross
	216	5664518	553807		2013trench trench
	217	5663932	554549		2001OIP #11 Mel's number)
					On cat rd to NE trenches
	220	5663897	555625		1814(N side of ridge)
	222	250491	5665137	553567	2048Fault in pass
	222	250495	"	"	" White & gray contact
					Fault in pass-embedded
	223	5664997	553517		2042glacial rocks-photo
	224	5664390	553682		2028Old DDH on cat rd.
	225	5664420	553693		2025Pld DDH on cat rd
	226	250489	5664496	553738	2011Bag 1, N,S, trench (az 300*)

				Trench	
226	250493	“	“	“ Bag 2, N,S, trench	“
226	250494	“	“	“ Bag 3, N,S, trench	“
227	250487	5665163	552153	1868End of north'ly cat rd ( Sb vein)	
228	250488	5665163	552168	187315m E of end of cat rd	

## 2.) Sample Analysis

Samples were shipped to Assayers Canada for analysis for fire geochem gold and 34 element ICP.

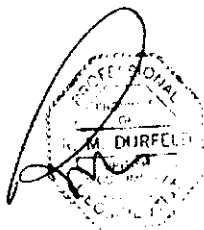
## F.) RESULTS

The rock sampling shows strongly anomalous arsenic and weakly anomalous gold in samples 240489, 93 and 94 from trenches at waypoint 226. The samples are of quartz carbonate veining in altered sediments near a quartz porphyry intrusion. Sample 250487 from an area of stibnite veining at waypoint 227 is strongly anomalous in antimony, sulphur and mercury. The gold with arsenic, more distal antimony and mercury, alteration, veining and quartz porphyry intrusive would support an epithermal gold model for the property area. Follow-up as more detailed soil and rock sampling would identify mineral zoning in the area and vector toward the gold component.

**F.) COST STATEMENT**

<b>Rod-Stir Project</b>			
<b>GPS Claim Survey</b>			
<b>July 7 to 8, 2006</b>			
Truck Rental	2trucks 2days @ \$100 / day		200.00
Mob - Demob			250.00
Quad Rental	2 days @ \$50/day		100.00
Room and Board	2 mandays @ \$80/day		160.00
Wages	Durfeld, Guido	2 days @\$250	500.00
		<b>Total Field Cost July 7 to 8, 2006.</b>	<b>2,110.00</b>
<b>Prospecting</b>			
<b>July 6 to 8 Aug 19 to 24, 2006</b>			
Truck Rental	9 days @\$100/ day		900.00
Truck Fuel			200.00
Quad Rental	9 days @ \$50/day		400.00
Room and Board	9 mandays @ \$80/day		720.00
Wages	Stewart, Mel	9 days	2,700.00
Mob - Demob		200	200.00
		<b>Total Field Cost Aug 10 to 13</b>	<b>5,120.00</b>
<b>Reporting</b>			
Analyses	gold and ICP		300.00
Report			500.00
		<b>Total Field Cost Sept 26 to 30</b>	<b>800.00</b>
		<b>Total Project Cost</b>	<b>8,030.00</b>

Dated at Williams Lake, British Columbia  
this 6<sup>th</sup> day of December 2005.



**R.M. DURFELD, B.SC., P.GEO.**

**G.) STATEMENT OF QUALIFICATIONS**

I, Rudolf M. Durfeld, do hereby certify that:

- 1.) I am a geologist with offices at 2029 South Lakeside Drive, Williams Lake, BC.
- 2.) I am a graduate of the University of British Columbia, B.Sc. Geology 1972, and have practised my profession with various mining and/or exploration companies and as an independent geological consultant since graduation.
- 3.) I am a member Canadian Institute of Mining and Metallurgy.
- 4.) That I am registered as a Professional Geoscientist by the Association of Engineers and Geoscientists of B.C. (No. 18241).
- 5.) That this report is based on:
  - a.) my supervision, of Mel Stewart's work and reporting on the Rod-Stir property.
  - b.) compilation of the 2006 data.
  - b.) my personal knowledge of the property area and a review of available government maps and assessment reports.

**Dated at Williams Lake, British Columbia**  
this 6<sup>th</sup> day of December 2005.

**R.M. DURFELD, B.SC., P.GEO.**



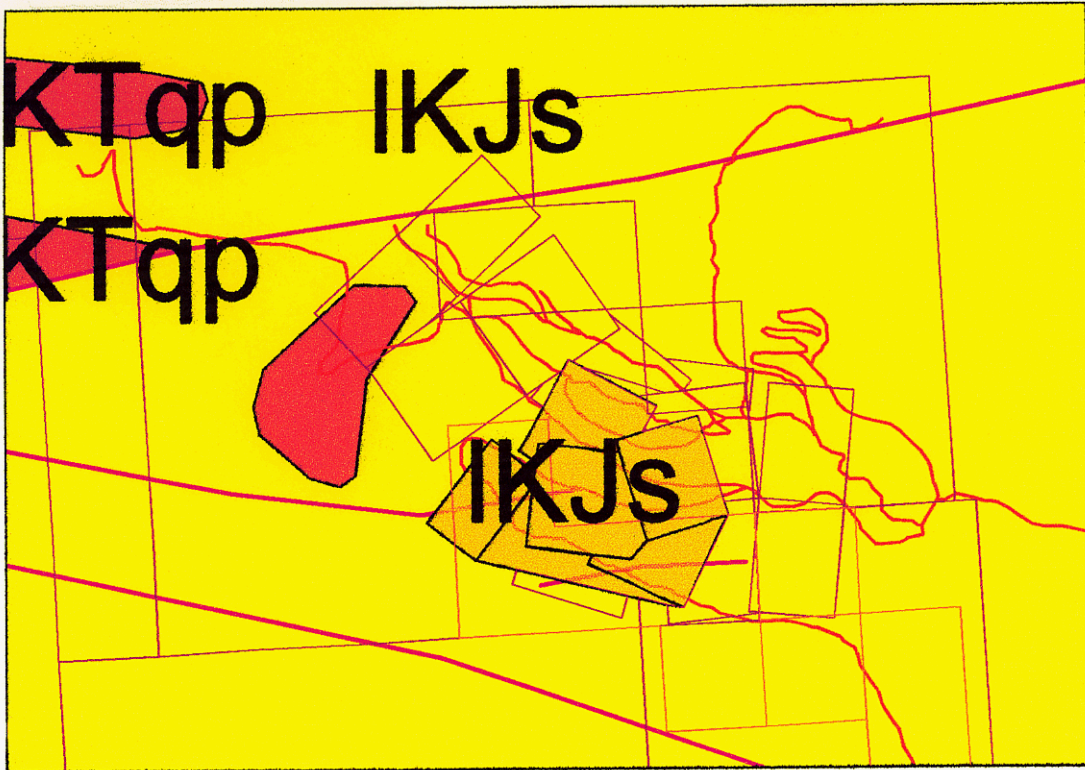
**APPENDICES**

**APPENDIX I - 2006 Analytical Results**

ANALY RESULTS ROD-411R PROJECT 2088

Certificate Number	Sample Name	Ag	Al	As	Ba	Be	Bi	Ce	Cl	Co	Cr	Cu	Pb	Hg	K	La	Mg	Mn	Mo	Ni	Nr	P	Pb	S	Sb	Se	Si	Tb	Ti	Tl	U	V	W	Zn	Zr
SV1787RJ	250487	<0.2	0.1	109	<0.5	<0.5	<0.5	0.98	<1	8	67	10	0.98	34	0.08	<10	0.02	220	<2	0.01	<1	33	<2	>5.00	>10000	<1	01	<0.01	<10	<10	6	<10	24	<1	
SV1787RJ	250488	<0.2	0.07	102	0.0	<0.5	<0.5	5	<1	21	80	51	4.3	3	0.05	<10	1.53	760	<2	0.01	107	784	13	0.18	0.00	14	247	<0.01	<10	<10	82	<10	85	6	
SV1787RJ	250489	<0.2	0.42	2411	0.07	<0.5	<0.5	8.68	<1	7	51	21	3.87	1	0.1	<10	0.84	1104	<2	0.01	18	297	7	0.2	294	4	117	<0.01	<10	<10	28	<10	18	3	
SV1787RJ	250491	<0.2	2.33	27	0.1	<0.5	<0.5	2.63	<1	21	70	30	4.31	1	0.08	<10	1.88	1008	<2	0.05	21	710	8	0.02	87	8	38	<0.01	<10	<10	108	<10	87	28	
SV1787RJ	250492	<0.2	1.18	24	0.0	<0.5	<0.5	0.88	<1	9	38	5	2.73	1	0.1	<10	0.8	833	<2	0.05	9	807	7	0.01	58	2	20	<0.01	<10	<10	48	<10	52	18	
SV1787RJ	250493	<0.2	0.51	1748	774	<0.5	<0.5	6.42	<1	10	54	37	4.88	1	0.12	<10	1.12	1034	<2	0.05	23	468	9	0.24	48	8	113	<0.01	<10	<10	54	<10	30	4	
SV1787RJ	250494	<0.2	0.25	1859	238	<0.5	<0.5	10.28	<1	5	20	18	3.88	1	0.08	<10	1.29	1128	<2	0.01	11	300	5	0.11	65	4	158	<0.01	<10	<10	22	<10	19	3	
SV1787RJ	250498	<0.2	0.28	28	30	<0.5	<0.5	0.14	<1	1	77	21	0.48	1	0.05	<10	0.1	163	<2	0.04	4	86	6	0.01	173	<1	11	<0.01	<10	<10	4	<10	18	1	
		Geochem																																	
Certificate Number	Sample Name	Au	Au-check																																
SV1787RJ	250487	0	4																																
SV1787RJ	250490	2																																	
SV1787RJ	250489	85																																	
SV1787RJ	250491	2																																	
SV1787RJ	250492	0																																	
SV1787RJ	250493	31																																	
SV1787RJ	250494	24																																	
SV1787RJ	250495	1																																	
SV1787RJ	"AUS"	0.00																																	
SV1787RJ	"BLANK"	<1																																	

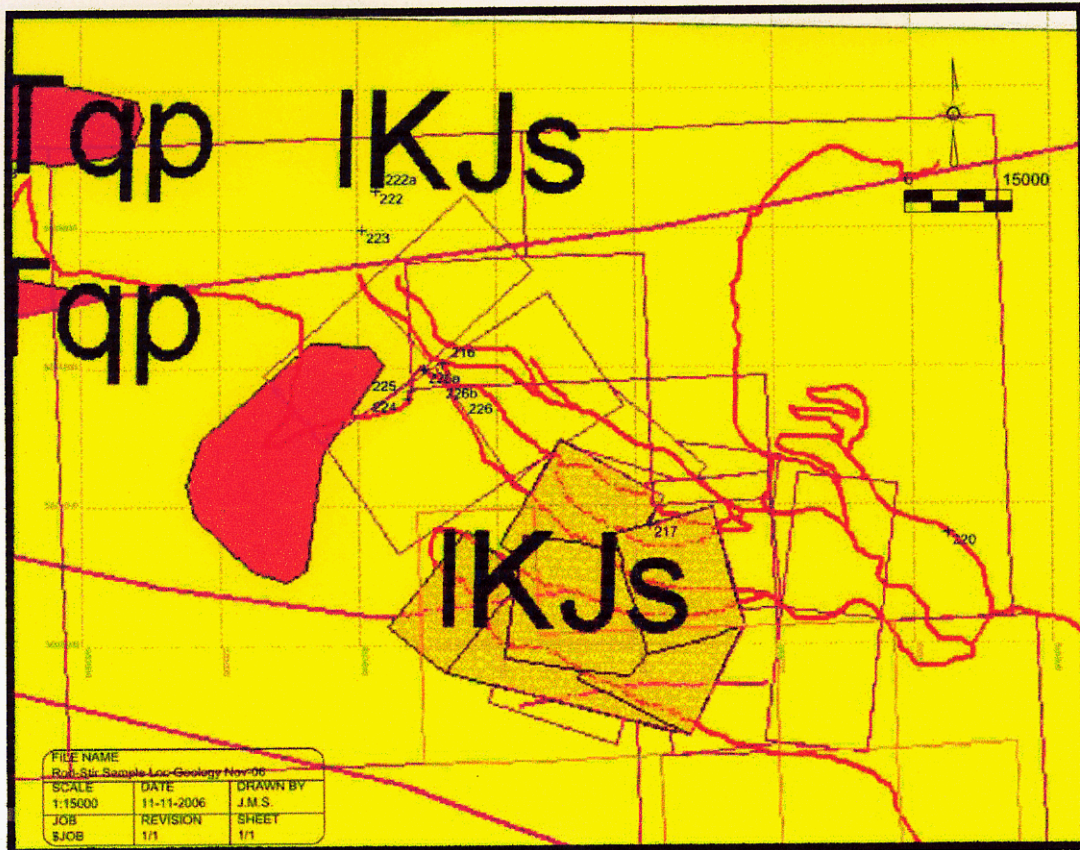




**Figure 4: ROD-STIR GEOLOGY MAP**

ROD-STIR GEOLOGY MAP  
FIGURE 4





**Figure 5: ROD-STIR GEOLOGY MAP WITH SAMPLE LOCATION**

SAMPLE LOCATION GEOLOGY MAP

FIGURE 5



