

GEOLOGICAL REPORT

OD 1 - 31 CLAIMS

GRANT #

YC35973-YC35988

YC62942-YC62956

NTS # 116 B \ 13

LAT: 64° 48' N

LONG: 139° 35' W

DAWSON MINING DISTRICT

AUTHOR OF REPORT SHAWN RYAN

WORK PERFORMED SEPTEMBER 5-6, 2007

DATE OF REPORT DECEMBER 02, 2008

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Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s
Od 1 - 16	YC35973 - YC35988	2010/06/02	Shawn Ryan	100.00	116B13
OD 17 - 31	YC62942 - YC62956	2010/08/17	Shawn Ryan	100.00	116B13

**ia(s) used for search:**

STATUS: ACTIVE & PENDING DOCUMENT NUMBER: QD00983 REGULATION TYPE: QUARTZ

Left column indicator legend:

- R - Indicates the claim is on one or more pending renewal(s).
- P - Indicates the claim is pending.

Right column indicator legend:

- L - Indicates the Quartz Lease.
- F - Indicates Full Quartz fraction (25+ acres)
- P - Indicates Partial Quartz fraction (<25 acres)

Total claims selected : 31

- D - Indicates Placer Discovery
- C - Indicates Placer Codiscovery
- B - Indicates Placer Fraction

## **SUMMARY**

The Od Property was visited by Tom Borovicka a contract geologist for Full Metal Minerals. Tom mapped the property during his two day visit in early September 2007.

### **1.0 INTRODUCTION**

The Od claims were staked to cover an old Zinc and Lead showing similar to the Og claims situated 18 kilometers west.

### **2.0 LOCATIONS AND ACCESS**

The Od claims are located 87 kilometers north northwest of Dawson City. The claims can be reached via helicopter from Dawson City.

### **3.0 PROPERTY DESCRIPTION**

The Od Property consists of 31 full quartz claims all recorded and registered in the Dawson Mining District. The total land mass covered by the claim block is 620 hectares or 1550 acres.

### **4.0 PHYSIOGRAPHY**

The Og Property is located in the tundra between the elevation of 3700 ft and 4400 ft. The only vegetation seen is willow bushes in the valley bottom.

## **5.0 REGIONAL AND PROPERTY GEOLOGY**

### **5.1 REGIONAL GEOLOGY (Excerpts from GSC Open file 2849)**

The southern Ogilvie Mountains lie within the northwestern extremity of the the Cordilleran fold-thrust belts. The Dawson Thrust marks a major tectonostratigraphic boundary between carbonate-dominated platform rocks to the north (the Mackenzie Platform) and generally finer clastics to the south (Selwyn Basin). All rock units were displaced northward in middle Jurassic to Cretaceous time and most have been tectonically thickened. The Sewyn Basin strata were thrust northward in three overlapping structural sheets. Subcircular syenitic intrusions of about 90-110 Ma age cut these thrusts.

The Mackenzie Platform in the southern Ogilvies consists of thickly bedded Cambrian to Devonian dolostone near Mount Harper. Beneath this Paleozoic carbonates a tripartite succession of Middle and Upper Proterozoic strata are well exposed in an erosional inlier (the Coal Creek Dome of Green, 1972, termed the Coal Creek Inlier). In descending order, the Mount Harper Group consists of thick volcanic and carbonate units separated by thinner or wedge-shaped clastic units; the Fifteenmile group, an informal name, consists of stromatolitic and cherty dolostones; and the Wernecke Supergroup consists of fine-grained clastic rocks. These three groups are bounded by unconformities whose ages can be estimated from spatially related intrusions ( Wernecke breccias; about 1280 Ma, as in Parrish and Bell (1987) and the ca. 750 Ma Mount Harper Group volcanics). They were deposited during periods of repeated extension, including late Proterozoic continental rifting. These middle to late Proterozoic events formed structural features, which to some extent controlled, and are reflected in, the early Paleozoic evolution of the Cordilleran miogeocline.

### **5.2 PROPERTY GEOLOGY**

The Od claims are covering Lower Proterozoic Gillespie Lake Group and Quartet Group rock units.

# YTG Geology Map (web site)

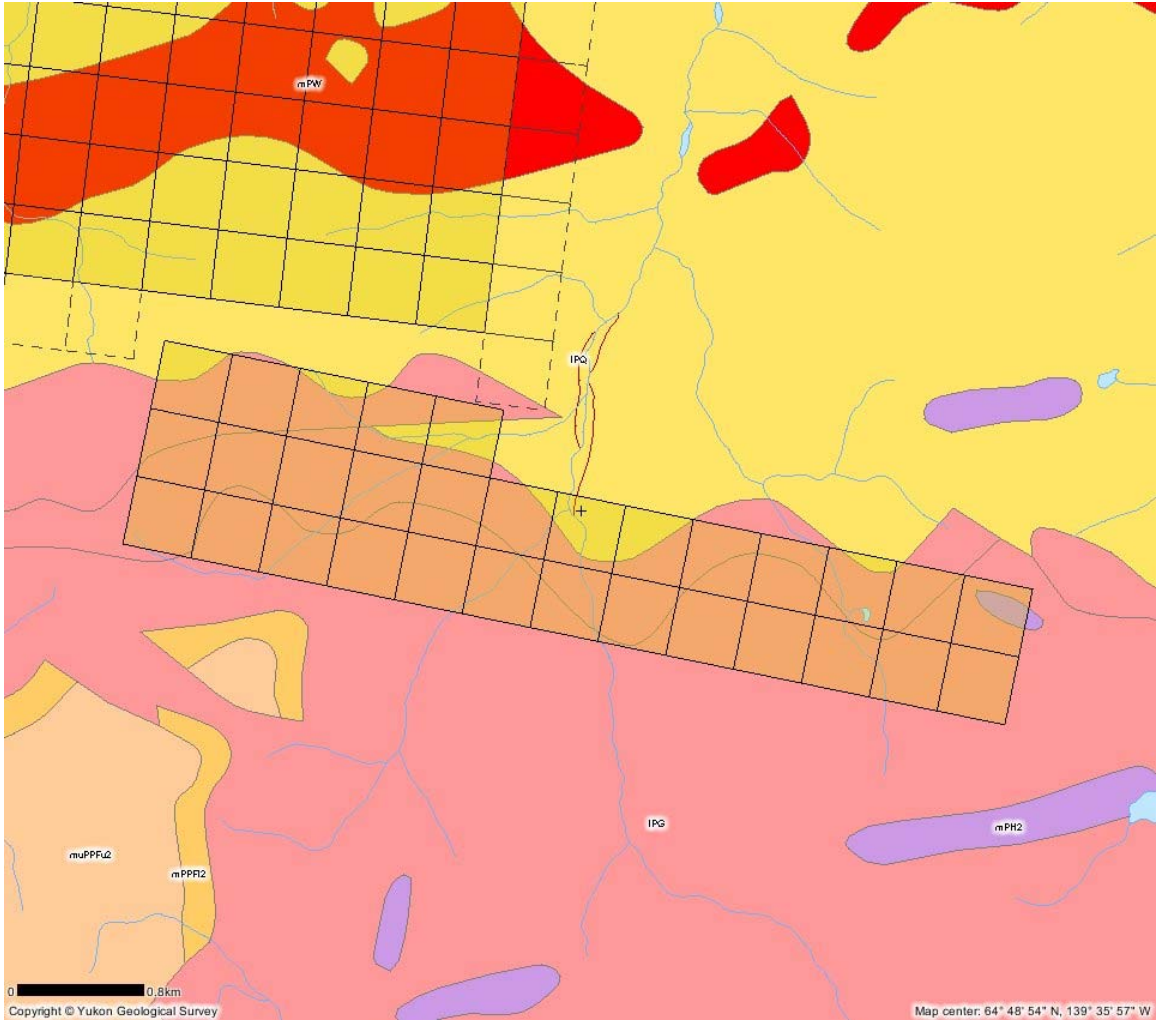


Figure 1

# Yukon Geological Survey Geology Description

## MIDDLE TO UPPER PROTEROZOIC



**muPPFu: PINGUICULA/FIFTEEN MILE (UPPER)**  
siliclastic-carbonate assemblage comprising two regionally correlated units (1) and (2)

2. light-grey, finely crystalline dolomite; shale; pebbly mudstone; gritty mudstone; stromatolitic limestone; quartz sandstone (**Fifteen Mile Gp. (upper)**)

## MIDDLE PROTEROZOIC



**mPPFI: PINGUICULA/FIFTEEN MILE (LOWER)**  
dominantly carbonate assemblage with basal clastics comprising two regionally correlated units (1) and (2); includes possible other correlative carbonate, clastic and volcanic rocks (3) and (4)

2. basal shale to silty dolomite; medium to thick bedded dolomitic mudstone and dolostone breccia, massive dolostone; medium-bedded dolostone with mudstone interbeds; dolostone breccia, oolitic packstone and uncommon stromatolitic dolostone (**Fifteen Mile Gp. (lower)**)

## MIDDLE PROTEROZOIC



**mPH: HART RIVER**  
mafic volcanic flows (1) and (3) and their possible intrusive equivalents (2)

2. resistant dark weathering diorite and gabbro sills and dikes (**Hart River Sills**)

## MIDDLE PROTEROZOIC



### **mPW: WERNECKE BRECCIAS**

hematitic and dolomitic breccia and related metasomatized country rock; breccia contains variably altered rotated siliceous and carbonate clasts (Wernicke Supergroup) and minor dyke rock; breccia and metasomatites enriched in Cu, Co, U, Ag and Au (**Wernicke Breccias**)

## LOWER PROTEROZOIC



### **IPG: GILLESPIE LAKE**

dolostone and silty dolostone, locally stromatolitic, locally with chert nodules and sparry karst infillings, interbedded with lesser black siltstone and shale, laminated mudstone, and quartzose sandstone; local dolomite boulder conglomerate (**Gillespie Lake Gp.**)

## LOWER PROTEROZOIC



### **IPQ: QUARTET**

black weathering shale, finely laminated dark grey weathering siltstone, and thin to thickly interbedded planar to cross laminated light grey weathering siltstone and fine grained sandstone; minor interbeds of orange weathering dolostone in upper part (**Quartet Gp.**)



## **6.0 WORK PROGRAM / METHODS**

### **6.1 GEOLOGY WORK**

**PERIOD:** Sept. 5-6, 2007      **SUBJECT:** Mapping results at OD Claims

**SUBMITTED BY:** T. Borovicka      **REPORT DATE:** September 17, 2007

**FOR:** Rob McLeod, Full Metal Minerals      **TOTAL PAGES:** 6

#### **Work completed during the period**

Two days (September 5 and 6) were spent conducting geological mapping at the OD claim block (1: 25,000-scale).

#### **Results**

##### **Geology/mineralization**

The OD claim block covers an east-west-striking package of carbonate and pelitic sedimentary rocks nearly identical, but reversed in order, to the stratigraphic succession of the "Lower Plate" package at the OG property. Four distinct sedimentary rock units were mapped on the OD property. From north to south these comprise; 1) a black slate/argillite unit, 2) a light-gray-colored thinly laminated carbonate rock unit, 3) a pink-colored massive carbonate unit, and 4) a brownish-orange-colored, "rusty shaly" thin bedded carbonate rock unit that locally displays small scale chevron folding. One or more faults disrupt the stratigraphic succession in the western portion of the property, and more mapping would be needed in order to complete the geological picture in this portion of the property. Based on bedding attitude measurements, the black slate unit appears to be in fault contact with the gray carbonate unit.

No visible Pb-Zn sulfide mineralization, and no gossan or ferricrete associated with weathered massive or disseminated sulfides was encountered on the property. The reduced, gray-colored "thinly laminated" carbonate unit is located in the center of the claim block and thus may be the unit targeted by past workers as a possible host to Pb-Zn sulfide mineralization (?). The contact between the gray carbonate unit and the black pelitic unit to the north may also be a target as may the pelitic unit itself. Pelitic/gray carbonate rock contacts are the loci of Pb-Zn sulfide mineralization at the OG claims and pelitic units themselves host Pb-Zn sulfide occurrences at both OZ West and OZ East claim blocks. Thus it appears that the OD claims were staked in order to cover an area similar in geology to the OG lead-zinc occurrence or possibly the OZ occurrence (?).

## **Recommendations**

Results of soil sampling, stream sediment sampling, and other visual or geochemical prospecting completed by the present owner or historical owners of the claims should be overlain with the geological map included with this report in order to get a clearer picture of what rock units underlie zones of anomalous geochemistry (if any anomalous geochemistry exists). If geochemical exploration appears to be incomplete, then I recommend conducting detailed stream sediment sampling of all drainages on the property as a first, and possibly a final step in evaluating the property. Systematic “ridge and spur” reconnaissance-type soil sampling and or rock chip sampling would be an acceptable alternative to stream sediment sampling.

If geochemical exploration results are encouraging, then continued outcrop mapping is recommended in portions of the property where limited data was collected during September, 2007's effort and in areas of anomalous geochemistry.

## **Attachments**

- 1) Geological map of the OD claims (Figure 1)
- 2) Photograph of the stratigraphic succession at the OD claims (Figure 2)
- 3) Photograph of rock types (Figures 3 through 6)

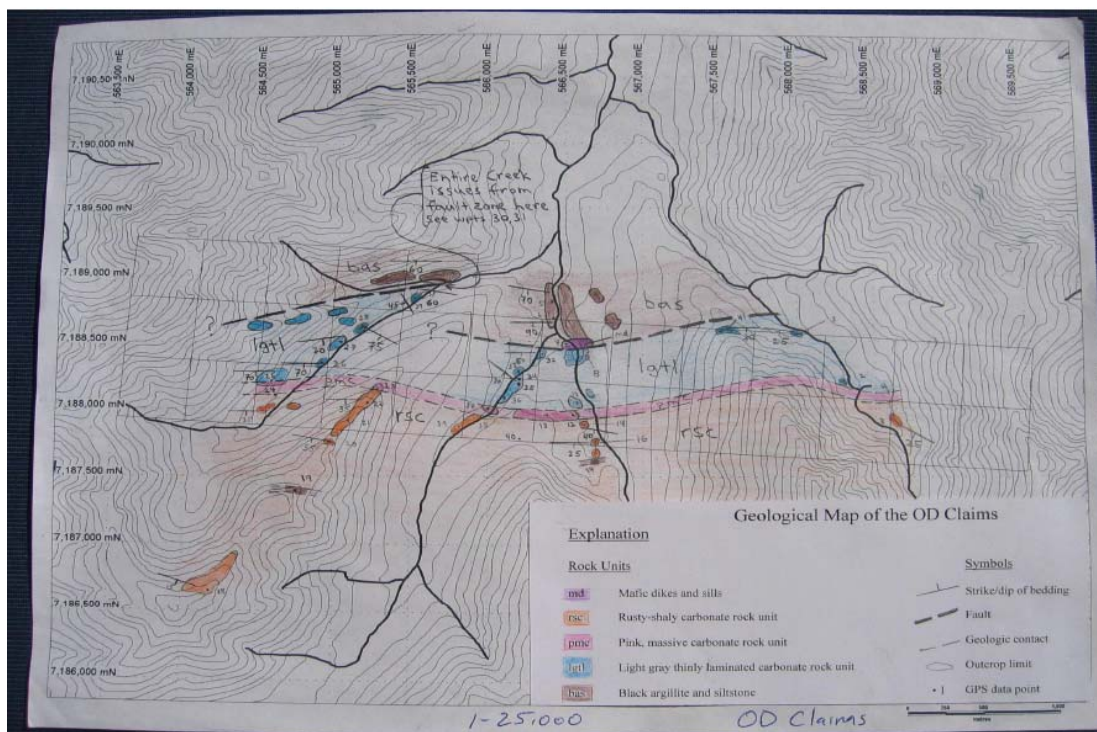


Figure 1: Geological Map of the OD Claims

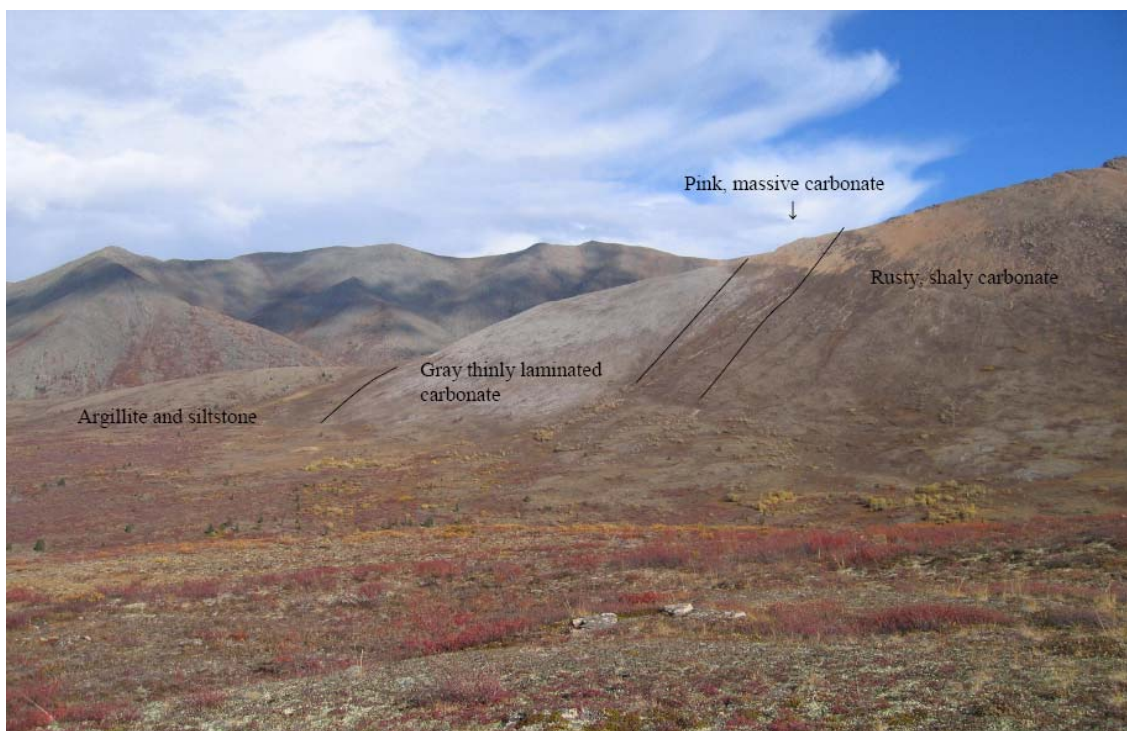


Figure 2: Photograph, looking northeastward at the east-central ridgeline of the OD claims, showing all four of the sedimentary rock units





**Figure 3: “Light gray thinly laminated dolomitic limestone”**



**Figure 4: “Pink, massive dolomitic limestone”**





**Figure 5: "Rusty Shaly dolomite"**



**Figure 6: Black argillite and siltstone**

## **9.0 REFERENCES CITED**

Thompson R.I. GSC Open File 3223, Geological Compilation (1-250,000) of Dawson Map Area (116B,C) (northeast of Tintina Trench)

## **10.0 QUALIFICATION**

I Shawn Ryan located in Dawson City, Yukon work as a professional prospector. I run a small exploration company located in Dawson city.

I have worked in the exploration business for the last 25 years. I worked the first 15 years as a contractor working on numerous projects in the NWT, Ontario, Quebec and the Yukon. I have worked for the last 10 years as a local prospector for myself.

I have overseen and help expedites the OD Project.

I own 100 % of the Od claims and have option it to Full Metal Minerals.

Dated this 02 of December, 2008 in Dawson City, Yukon.

Respectfully submitted

Shawn Ryan

## 11.0 Cost

Hotel + Food \$150.00 per day for 2 days	\$300.00
1 geologist @ \$600.00 per day for 2 days	\$1,200.00
Helicopter Cost 4 hours @ \$1250.00	\$5,000.00
Report	\$350.00
Total	\$6,850.00