HAND TRENCHING
REPORT

CATHY 23-38 CLAIMS
YC20464-YC20469

LATITUDE : 63'13 NORTH
LONGITUDE : 139'31 WEST

NTS # 115 O / 4
DAWSON MINING DIVISION

BY
SHAWN RYAN, PROPECTOR
DAWSON CITY

DATES WORKED
JULY 2001

DATE OF REPORT
APRIL 2002
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 $600.00.

M.B.

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

The Cathy 23-28 claims, grant number YC20464-69, belonging to Shawn Ryan will be renewed for a period of one year. I conducted a small hand trenching program for two days in July of 2001 on a 50 centimeter wide quartz breccia vein running anomalous values in Cu, As, Zn.

LOCATIONS

The property is located 80 air miles south of Dawson City. The property borders the Yukon River about a kilometer north of Frisco Creek.

ACCESS

I access the property is by traveling by river boat on the Yukon River. It takes about 7-8 hours from Dawson City to reach the property with a 30 H.P. outboard motor on a 20 foot freighter canoe.

GEOLOGY

The Cathy 23-28 claims are located on a new regional mapping program area conducted by the GSC. Jim Ryan and Steve Gordey of the GSC has map the claim area as lying in potential Cambian, metasedimentary rocks describe as a Quartz-Mica Schist or Mica-Quartz Schist / Paragneiss.

DESCRIPTION OF WORK AND METHODS

I travel up the Yukon river in July of 2001 and worked on the Cathy 23-24 claims. I found quartz breccia float running anomalous copper, arsenic and zinc values. I followed breccia float to the potential outcrop and proceeded to hand trench the area. I worked for 1.5 days on the trench and uncovered a area of 3 meters by 1 meter. The breccia unit is about 50 centimeters wide and is dipping around 85-87 degrees and is striking N-E around 45 degrees.

I followed the breccia unit on surface for another 8 meters across a small creek. The breccia unit is a mix of quartz clasp with potential massive fine grain tourmaline holding the quartz clasp together. The breccia change composition over a short distance to having various minerals associated with the unit. I have noted chalcopyrite in some specimens and some have sphalerite.
INTERPRETATION

The Breccia unit found with hand trenching is indicating that it’s steeply dipping and continuing in a north east direction for at least 8 meters. The breccia unit is indicating sporadic base metal value which may indicated a larger base metal system close by.

CONCLUSION

The hand trenching program was successful in locating a new mineralized breccia unit. The trenching program also showed that the breccia is steeply dipping and continuing for at least 8 meters until at that point it run under the overburden. The breccia unit is mineralized sporadically with copper, arsenic and zinc.

RECOMMENDATION

I would recommended follow up with more hand trenching on the north side of the small creek. I would also conducted a soil survey for a few hundred meters along the north-east strike of the breccia unit. This should give some idea on how far the breccia is moving.

COST

3 DAYS @ 250.00 per day Prospector wage $750.00

3 Days @ 100.00 per day Boat Rental $300.00

Gas / Oil Expense $150.00

Report Writing $250.00

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Total $1450.00
Cathy 23-28

Claims

N7s # 11501/04

Copper in Breccia Float

Small Creek

Hand Trench Area

Sphalerite Found in Breccia Outcrop

Quartz Breccia

Strike 45° N-E

 Dip 85°-87°

50 cm wide average

1 meter

Scale
QUALIFICATION

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.

SHAWN RYAN
MAFIC GNEISS: intermediate to mafic orthogneiss; generally grey; banded to layered; commonly valued; derived from intermediate granitoid (tonalite to diorite) sheets; usually interlayered with amphibolite schist and gneiss.

Metavolcanic(? and Volcanioclastic Rocks

3 MAFIC SCHIST: metabasite? biotite-hornblende + /plagioclase + /quartz; generally associated with amphibolite; main locality on Thistle Mountain.

7 QUARTZ-SERICITE SCHIST: quartz-sericite schist or metafelsite, possibly derived from felsic volcanic or hypabyssal intrusive rocks, e.g. tholeite or quartz-feldspar porphyry.

6 AMPHIBOLITE: amphibolite schist and gneiss; metabasite; usually containing garnet; hornblende-plagioclase or hornblende-plagioclase with local chlorite and biotite; local associated psammitite or interlayering with orthogneiss; probably derived from felsic volcanic to volcanioclastic rocks; locally seen as trains of boulders, which may represent disrupted mafic sills; intermediate varieties locally contain rosettes of large hornblende crystals in discusate texture.

Metasedimentary Rocks

5 MARBLE: marble (metacarbonate) derived from pure to impure limestones; associated calc-silicate schist derived from calcareous metapelite.

3/4 QUARTZ-MICA SCHIST AND MICA-QUARTZ SCHIST/PARAGNEISS UNITS

4 QUARTZ-MICA SCHIST: quartz-muscovite-biotite schist possibly derived from siliceous silstone; commonly finely interlayered with garnet metapelites; commonly contains beds of micaceous quartz arenite.

3 MICA-QUARTZ SCHIST/PARAGNEISS: undivided metasedimentary rocks dominated by metaquartzite, siltstone and metapelite; commonly garnet; biotite-muscovite + /plagioclase schist; generally heterogeneous layering; grades locally to paragneiss; varies to quartz-mica schist.

CONGLOMERATE: pebble to boulder sized rounded clasts; mainly massive bulgy white quartz, but some granitoid clasts as well (tonalite?); has an arkosic matrix; grades into quartzite.

1 QUARTZITE: banded to massive, grey to white quartzite; unclear if clastic in origin, or possibly derived from metachert; possibly correlated with Nasina Quartzite.

SYMBOLS

Geological contact (defined, approximate, assumed)

Fault, sense of movement uncertain (defined, approximate, assumed)

Limit of mapping

Transposition foliation

Mineral lineation

Mineral Prospect