

**2008 OEC ASSISTANCE PROGRAM  
PROSPECTING PROGRAM  
Long Water Project**

SAMPLE

**Jo Prospector  
November 2008**

## A/ PROJECT LOCATION

### **Long Water Property**

Long Water Township

Thunder Bay South District

Thunder Bay Mining Division

Long Water Claim Map

UTM 5425800N 49000E

NTS 42D / 14SE

## B/Location Maps

- Map #1: O.G.S. Map 43a, Long Water Lake Area, District of Thunder Bay, P.E. Lamkin 1920
- Map #2: O.G.S. Airborne Mag/EM Map 87077, 2000
- Map #3: **CLAIM MAP:** Long Water Township (G-0987), Thunder Bay Mining Division, November 2008
- Map #4: **Long Water Property Compilation Map**, Jo Prospector, November 2008
- Map #5: **Long Water Property Proposed Linecutting**, Jo Prospector, November 2008

## C/Property Access

The property lies 120 km west of the Hemlo area. The property is accessed via the Long Water road that departs northward from Highway 17, 3 kilometres west of the town of Siderly. Travelling north on the Long Water road for approximately 4 kilometres to the Long Water river. At this point an old logging road departs westerly and at 1.5 kilometres the #1 post of the Long Water property can be seen.

## D/List of Claims

TB 4200098, TB 4200099 (See attached abstract)

## E/Prospecting Targets

The primary target is a pyrite rich shear zone defined in the original mapping before 1950. Little exploration in this area is recorded in the MNDM files.

The area was staked during the Hemlo discovery and Left Resources (1983) completed airborne VLF-EM and Magnetics in the area. This survey identified the previously defined pyrite rich shear zone. The conductor was traced with ground geophysics for over 3 kilometres. Left Resources (1984) completed detailed mapping and soil sampling across the conductor. The conductor was found to be overburden covered but the soil sampling indicated a weak gold-zinc anomaly. The gold in soils assayed up to 60 ppb and zinc in soils up to 600 ppm. Sampling of the limited outcropping of the pyrite shear (2 samples) assayed 150 ppb and 1000 ppm and 100 ppb and 500 ppm gold and zinc respectively.

In the fall of 1984, Left Resources collared a diamond drill hole to test the highest gold soil anomaly. The target was on the edge of a swamp at the west end of the conductive pyrite shear. Overburden was extensive (80 metres) and the hole collared in the pyrite

shear. The mineralized section was 2 metres wide and assayed 102 ppb gold and 505 ppb zinc.

The property was held by Left Resources until 1992, when the assessment ran out. In 1993, with renewed exploration in the area, the property was staked as part of a larger claim block by Extralarge Resources. Another airborne electromagnetic and magnetic survey was completed defining the pyrite shear but no further work was completed. The claims came open for staking again in 1997.

The claims remained open until staking in 2007 by Jo Prospector.

### **F/Regional and Local Geology**

The Long Water property lies within the Archean Wawa Subprovince of the Superior Province in the Schreiber-Hemlo District of northwestern Ontario. The property is underlain by intermediate to felsic flow and pyroclastic rocks. Felsic intrusives and metasedimentary rocks are also present through the metavolcanic assemblage. The rocks have an east-west schistosity subparallel to regional strike and are all greenschist metamorphic grade.

The area of the property is fairly rugged with elevation of cliffs up to 30 metres. Swamps and large areas of overburden coverage are common.

The outcrops previously mapped on the property comprise schistose felsic and intermediate pyroclastics crosscut by minor quartz feldspar dikes. In the area of the pyrite bearing shear feldspar intrusions are more prominent with silica and carbonate alteration.

### **G/Previous Work**

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The property was held by Left Resources until 1992, when the assessment ran out. 1993 with renewed exploration in the area the property was staked as part of a large holdings by Extralarge Resources. Another airborne electromagnetic and magnetic survey was completed defining the pyrite shear but no further work was completed. The claims came open for staking again in 1997.

The claims remained open until staking in 2007 by Jo Prospector. During the 2008 field season Jo Prospector completed a GPS survey to tie in all previous exploration features still visible. The pyrite shear sampled by Left Resources was located and a minor amount of hand stripping completed to re-expose the mineralization.

### **H/Reason/Rationale**

The Long Water property has had limited exploration to date. The work completed has not thoroughly tested the potential of the pyrite shear. Previous sampling of the mineralization has indicated the anomalous gold and zinc values but the entire length of the conductive zone has not been tested.

Other showings in the area have had significant gold and zinc numbers from similar environments. The previous exploration companies that worked the Long Water property all recommended further exploration but it wasn't completed.

The Resident Geologist program had identified the area of the Long Water property in there recommendations for exploration in 2007. Part of their recommendations identified the area as a potential VMS-Au target. Due to subsequent discussion with the Resident Geologist Jo Prospector staked the property.

### **F/Proposed Work**

The proposed field work will include 6.0 kilometres of linecutting and magnetic and VLF-EM surveys. The geophysical surveys will help outline the trend and location of the pyrite shear. A 6 day prospecting program will also use the cut grid and geophysics to target areas sample the pyrite shear.

**K/Project Budget**

1. Analyses, Assay Costs.....20 samples@ \$40/sample.....	\$ <u>800.00</u>
2. Equipment Rentals/Supplies .....	\$ <u>500.00</u>
3. Contract Services (state type) linecutting_6 km <u>\$2,400.00</u> Mag/VLF <u>\$900.00</u> Reports/Maps <u>\$825.00</u>	\$ <u>4,125.00</u>
4. Travel (state method: road, air, etc.) 1200 km @ \$0.40/km ____	\$ <u>480.00</u>
5. Food and Accommodation .....6 lunches.....	\$ <u>120.00</u>
6. Other Expenses (specify) helper 6 days@\$150/day \$900	\$ <u>900.00</u>
TOTAL EXPENDITURES .....	\$ <u>6,475.00</u>
Funding Requested	\$ <u>6,475.00</u>

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SAMPLE