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CLAIM # 4278901; DAM PROPERTY  
FINAL REPORT:

Assessment Work Performed on Mining Lands Submission

Submitted by Michael Frymire and Adam Schneider

August 20, 2017

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## LOCATION AND ACCESS

Claim 4278901 located in Houck Township about 20 km northeast of Geraldton in the Thunder Bay Mining division. The property is accessed using Highway No. 11 and bush roads, has excellent infrastructure, is covered with open bush and has flat topography with little outcrop exposure.



Figure 1.0: General location of Claim 4278901.

## GEOLOGY

From WNW Prospecting Syndicate 1997. “ The property lies in the eastern part of the Archaen Wabigoon Subprovince, Superior Province of the Canadian Shield. The rocks consist of an assemblage of felsic to mafic metavolcanics, metasediments and igneous intrusives, with the rocks striking easterly and having steep dips. The units are isoclinally folded and metamorphosed to greenschist facies. The property is underlain by mafic to intermediate metavolcanics, striking easterly with steep dips, which are probably isoclinally folded and faulted. The gold mineralization in the region is hosted in several

rock types within quartz-carbonate veins and altered wall rock having a few percent of pyrite, arsenopyrite, and pyrrhotite, and lesser amounts of chalcopyrite, sphalerite and galena (often an indicator of higher gold values). An 8-20 cm wide quartz-carbonate vein, in a 3.0 m wide shear zone in metabasalts, has been traced by drilling over 180 m. The vein is reported to be mineralized with pyrite, pyrrhotite, arsenopyrite and traces of chalcopyrite. A grab sample taken from this vein in 1961 returned 3.80 ounces gold per ton. Intersections of 0.42 ounces gold per ton over 9 cm and 0.44 ounces per ton over 15.2 cm were reported from diamond drilling programs that occurred in 1962 and 1984. The 1995 drill hole, totalling 154.5 m, intersected anomalous gold in its upper sections. The main vein was not encountered in this hole. In 1997 diamond drilling intersected significant gold values in two holes. Hole 97KD-2 intersected an average 0.21 oz, Au/ton over 0.87 m (2.85 ft.) including 0.67 oz. Au/ton over 0.18m (0.60 ft.). Hole 97KD-1 intersected geochemically-anomalous gold of 580 ppb over 0.12 m (0.39 ft.) and 300 ppb over 0.30 m (0.98 ft.). Hole 98KD-1 drilled underneath 97KD-2 intersected two significant narrow gold zones and several geochemically anomalous gold zones. All significant intersections consist of quartz-carbonate veins with several percent sulfide content."

## HISTORICAL WORK AND SURVEYS

From WNW Prospecting Syndicate 1997. "The Keno Dam property lies at the eastern end of the Beardmore-Geraldton mining camp, a camp with historic gold production of approximately 4,000,000 ounces. Prospecting began during 1901 in the region with gold prospecting booms occurring in the 1930's and 1980's. In 1961, during the construction of a dam, a gold and sulfide-bearing quartz vein was located in the bottom of Kenogamisis River. In 1962, Scope Mining and Exploration Consultants conducted detailed grid surveys and diamond drilling. In 1984, T. Johansen drilled a vertical x-ray hole. In 1987, an airborne geophysical survey was flown for H. Coulson over an area including the Keno Dam claims. The author acquired the claims in 1993 and transferred them to the WNW Prospecting Syndicate in 1995. In 1995, the WNW Prospecting Syndicate drilled one B-thinwall hole to a depth of 154.4m to try to intersect the vein zone near the dam. Anomalous gold was intersected. In 1996, the WNW Prospecting Syndicate diamond drilled two BQ holes totalling 275 m to try intersect the vein zone near the dam. A significant gold intersection was made in hole 97KD-2 and anomalous gold was located in KD97-1. Ontario Geological Survey mapping exists for the area on a scale of 1:20,000."

## ASSESSMENT WORK PREFORMED TARGETS

Because the 3.80pt au grab sample in 1964 was taken from the water's edge of the Kenogamisis River our initial prospecting target was to try and locate the vicinity of this quartz vein and to verify that there are elevated gold values associated with this structure. Due to water levels, it was difficult to determine exactly where this quartz vein was, but several quartz veins were assayed in 2015 with little success at duplicating the initial 1964 results. In 2016 a prospecting and sampling program was initiated on the property to broaden our scope and look for similar quartz veins both north and south of the Kenogamisis River. A large quartz carbonate vein was discovered north of the Kenogamisis River, however initial results did not verify substantial gold mineralization and exposure of this vein is fairly poor (surrounded by glacial till).



★ Sample locations 2015

Figure 2. Prospecting and sample locations of Dam Claim 4278901 in August 2015.



 **Sample Location June 2016**

Figure 3. Prospecting and sample locations of Dam Claim 4278901 in June 2016.

Table 1.0.Coordinates of samples assayed from Claim 4278901 (UTM ZONE 16 NAD83).

|          | E      | N       |
|----------|--------|---------|
| DM 001V  | 521532 | 5515588 |
| DM 002I  | 521545 | 5515535 |
| DM 003FL | 521562 | 5515603 |
| DM 001   | 521535 | 5515655 |

### COMPLETED WORK

Prospecting and a large sampling of rocks were completed throughout the Dam property (Table 1.0). Observations were made throughout both prospecting trips (Table 2.0).

Table 2.0.Daily log of activities.

| Date            | Work Performed   |
|-----------------|--|
| August 20, 2015 | Travelled to the Dam Gold Occurrence from Thunder Bay and spent the day prospecting and sampling the waters edge.            |
| August 21, 2015 | Spent the day prospecting and sampling the waters edge and travelled back to Stratford Ontario.                              |
| June 04, 2016   | Travelled to the Dam Gold Occurrence from Stratford Ontario and spent the day prospecting and sampling within claim 4278901. |
| June 05, 2016   | Spent the day prospecting and sampling within claim 4278901 and travelled to Thunder Bay Ontario.                            |



Table 3.0. Observational notes from prospecting within claim # 4278901.

| Date      | Time            | Location                      | Comments  |
|-----------|-----------------|-------------------------------|---|
| 20-Aug-15 | 9:00am-11:30:am | Kenogamisis River South       | Mafic Volcanic rock at waters edge, quartz stringers through outcrops, little mineralization. Mineralization seems to disipate the further NE you travel from the Dam |
|           | 11:30am -5:00pm | Kenogamisis River South       | Directly NE of the Dam there are very well mineralized quartz veins (<5cm). These veins were assayed and are listed in this report.                                   |
| 21-Aug-15 | 9:00am-11:30:am | Kenogamisis River North       | Mafic Volcanic rock at waters edge, quartz stringers through outcrops, little mineralization. Mineralization seems to disipate the further NE you travel from the Dam |
|           | 11:30am -5:00pm | Kenogamisis River North       | Directly NE of the Dam there are very well mineralized quartz veins (<5cm). These veins were assayed and are listed in this report.                                   |
| 04-Jun-16 | 9:00am-11:30:am | North shore Kenogamisis River | Very little exposure of outcrop north of river however the outcrop that was found was mafic in origin. Little mineralization  |

|           |                 |                               |   |
|-----------|-----------------|-------------------------------|---|
|           | 11:30am -5:00pm | North shore Kenogamisis River | Quartz strockwork discovered approximately 50 meters east of the Dam and 20 meters north of the Kenogamisis River. Very little mineralization is present and exposure is very limited. More work needs to be done at this location at a different date. |
| 05-Jun-16 | 9:00am-11:30:am | North of Kenogamisis River    | Exposure very limited. Mafic volcanics found but no mineralization  |
|           | 11:30am -5:00pm | North of Kenogamisis River    | Exposure very limited. Mafic volcanics found but no mineralization  |

## PROJECT EXPENDITURES

Project expenditures included two day trips to the Dam property. Prospecting, travel costs, and food allowance were charged and summarized in Table 4.0.

Table 4.0. A summary of project expenditures charged to the Assessment Work Performed on mining lands

| Date      | Explanation  | Amount |
|-----------|--|--------|
| 20-Aug-15 | Prospecting/Sampling (2 days @ \$350/pro prospector) | 700    |
| 20-Aug-15 | Travel costs (311km @ \$0.40/km)                     | 124    |
| 20-Aug-15 | Food allowance (\$25/day)                            | 50     |
| 21-Aug-15 | Prospecting/Sampling (2 days @ \$350/pro prospector) | 700    |
| 21-Aug-15 | Travel costs (1275km @ \$0.40/km)                    | 510    |
| 21-Aug-15 | Food allowance (\$25/day)                            | 50     |

|              |  |             |
|--------------|--|-------------|
| 04-June-16   | Prospecting/Sampling (2 days @ \$350/pro prospector) | 700         |
| 04-June-16   | Travel costs (1275km @ \$0.40/km)                    | 510         |
| 04-June-16   | Food allowance (\$25/day)                            | 50          |
| 05-June-16   | Prospecting/Sampling (2 days @ \$350/pro prospector) | 700         |
| 05-June-16   | Travel costs (311km @ \$0.40/km)                     | 124         |
| 05-June-16   | Food allowance (\$25/day)                            | 50          |
| Assays       | 32.00/assay x 4 assays                               | 128         |
| 19-August-17 | Report Creation (1/2 day)                            | 175         |
|              | <b>Total</b>   | <b>4571</b> |

## RESULTS AND RECOMMENDATIONS



Figure 4. New quartz vein(stock work) discovered north of the Kenogamisis River. Only 1 assay was taken (148 ppb au).

Table 4. Assays from Dam property.

2016

| Sample | Label     | Au ppm |
|--------|-----------|--------|
| 139687 | DM001     | 0.148  |
| 139688 | DM001 Dup | 0.088  |

2015

| Analyte Symbol  | Au      | Au   | Ag         | Cu     |
|-----------------|---------|------|------------|--------|
| Unit Symbol     | g/tonne | ppb  | ppm        | ppm    |
| Detection Limit | 0.03    | 2    | 0.3        | 1      |
| Analysis Method | FA-GRA  | INAA | A / TD-ICP | TD-ICP |
| DM001V          | < 0.03  | 5    | < 0.3      | 29     |
| DM002I          | < 0.03  | 21   | 0.5        | 345    |
| DM003FL         | < 0.03  | 8    | < 0.3      | 27     |

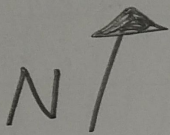
Although initial assay results are low in gold values, because a new quartz stock work structure was found north of the Kenogamisis River and because exposure was poor, there is more work warranted on the property. Historically the property has had high gold values within it and drill results have showed that gold is in the system. More detailed prospecting and sampling is required to determine if there is a viable gold system in the vicinity.

2015+2016 Prospecting Map: Claim 4278901

by: Michael Frymire  
Adam Schneider

Claim 4278901

4



1  
granite boulders

Sb, Po, Bf  
Alder Swamp  
58° dip 82°  
Sb, Po, Bf  
Kerogamsis River

Qrtz

DAM

Qrtz v. Sulphides

clearing (parking)

granite boulders

Sb Swamp

Kerogamsis Dam Rd

1:1658

\*All bedrock while prospecting was mafic-ultra mafic in composition.  
prospecting route.





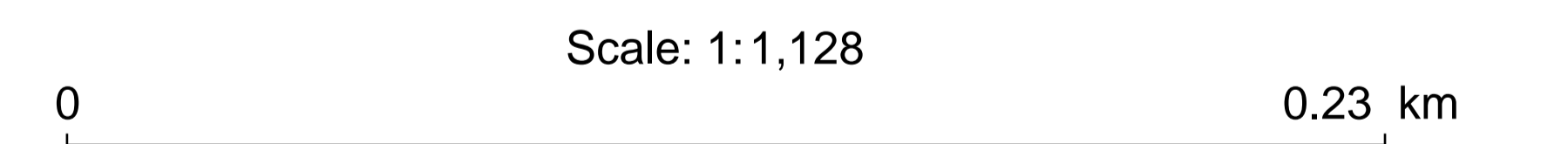
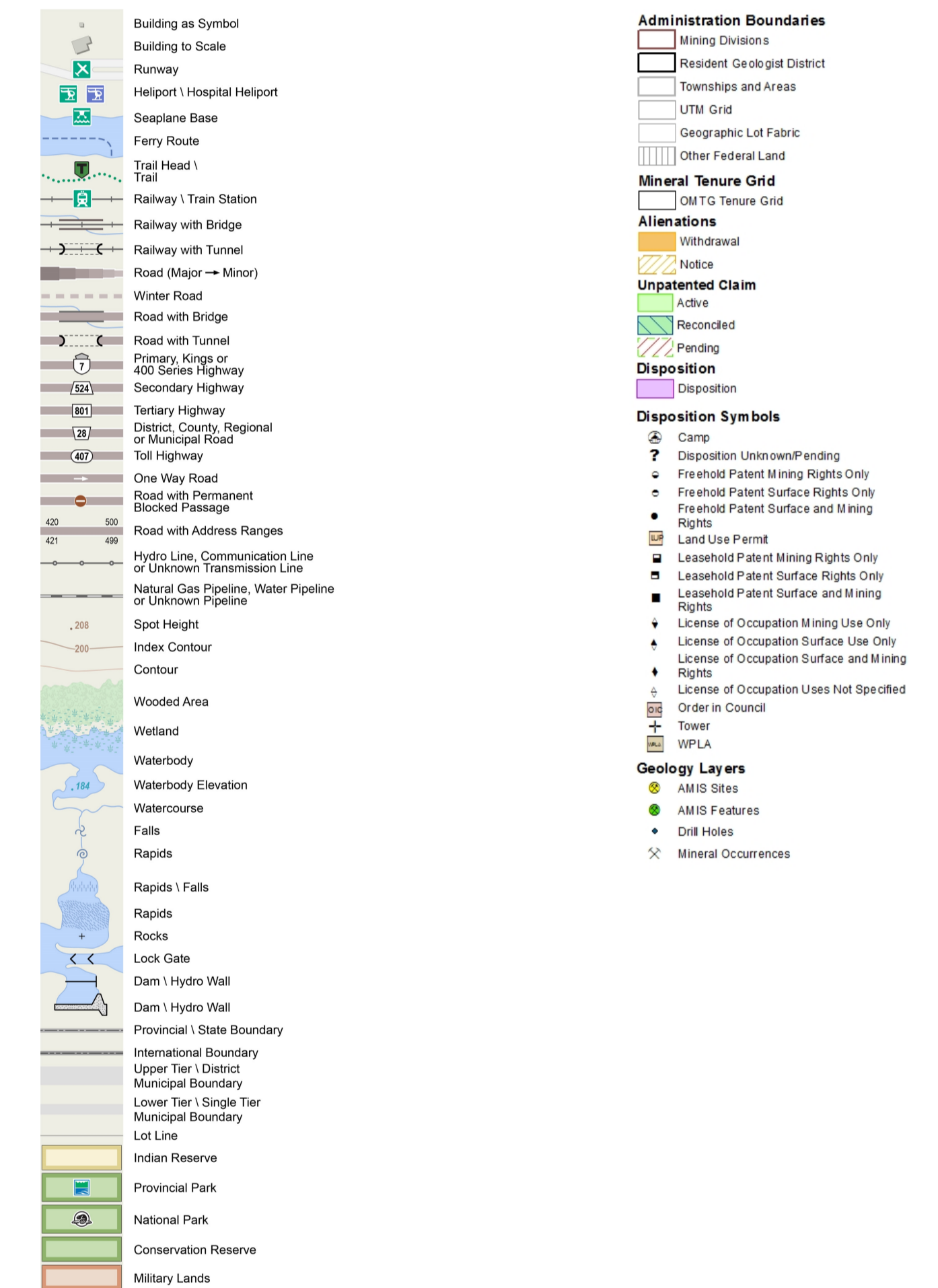
Ontario Ministry of Northern Development and Mines  
Mining Lands Tenure Map



**Administrative Districts**

Township  
**HOUCK**  
Mining Division  
**Thunder Bay**  
Land Registry  
**THUNDER BAY**  
MNR District Office  
**NIPIGON**

**Topographic**



Map Datum: NAD 83  
Projection: Web Mercator



Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources.

Completeness and accuracy are not guaranteed.

Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources and Forestry.

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**Map Notes:**

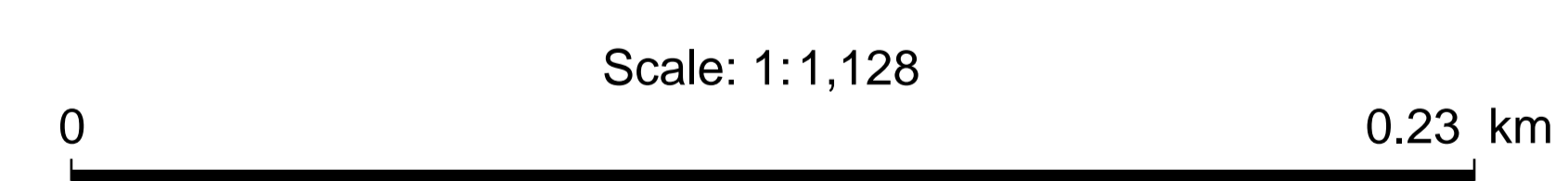
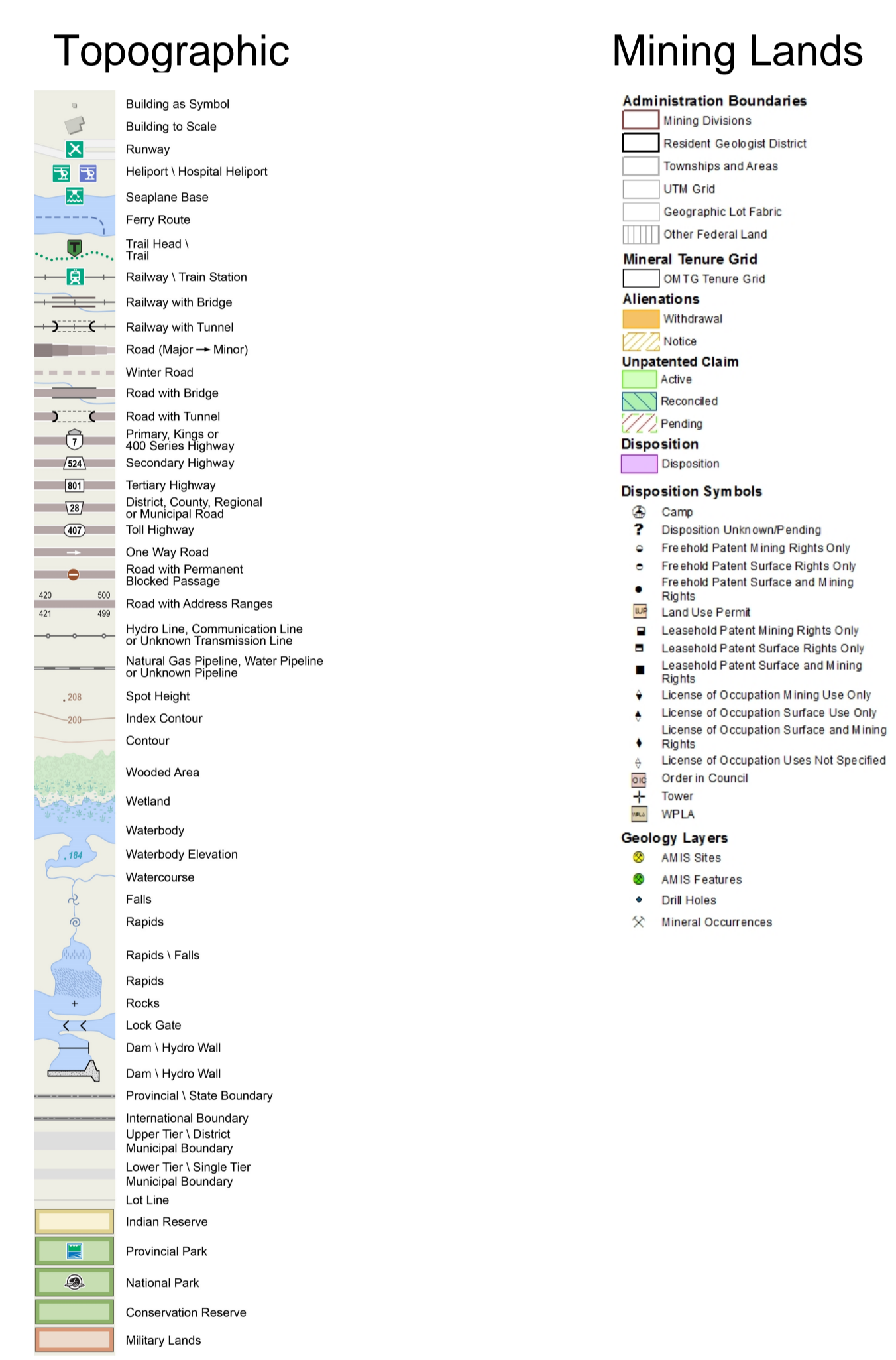
Shoreline was prospected on June 04, 05 2016. Assays(1) are included in report.



Ontario Ministry of Northern Development and Mines  
Mining Lands Tenure Map

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