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Assessment Work Report

Ontario Mining Claim TB4277965

Gillies Twp., G-0657

Thunder Bay Mining Division

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Description, Location and Access

Ontario Mining Claim TB4227965 is composed of four claim units staked as a block claim located in Gillies Twp., G-plan map G-0657. The claim is approximately 160 acres in size, and is comprised of a Crown Land portion on the south and a Surface-Rights patent held over the north area of the claim. The claim owner is A.E.Hietapakka of Waterford, ON and the Surface Rights Holder is B.Neufeld of Duluth, MN. There are no dwellings, buildings or other improvements on the property. The S.W. corner of the claim can be accessed by using the Badger Mine Rd. travelling E. off Hwy. 588. The N. portion of the claim, the main shaft, waste dump area and old town site is accessible by a 4-wheel drive trail travelling E. off Hwy. 588 passing thru the Porcupine Mine property and the Porcupine Junior Mine Property. A rough trail system bisects the claim.

History and Previous Work

The Badger Mine was discovered in 1885 by a Dr.Eischweler. Between 1882 and 1892, many Silver properties were prospected and several mines went into production in the immediate area. Notably, they were the Beaver Mine, the Badger, the Rabbit, the Porcupine, the Porcupine Junior, the Keystone...all had underground workings.

Notably, the Badger Mine produced incredibly high grades of Silver ore, reaching 19,000 o.p.t Ag...a Gold Equivalent of 250 o.p.t. Numerous newspaper reports attest to the extremely valuable material encountered, and the Badger Mine was on it's way to eclipsing the famous Silver Islet Mine.

The Badger Mine operated for approximately 3 years, 1888 to 1891, when all area mines closed due to a Depression. Production is estimated at 400,000 oz. Ag. Most of the work underground consisted of development of several shafts and 4 levels. Much of the ore remains standing along side the tunnels placed alongside the quartzcarbonate vein. Since the closing of the mines in 1891, there has only been modest activities or attempts at reopening the mine. In 1902, Consolidated Mines Ltd. took a look at the Badger and others with the intent to mine, but it never transpired. In the 1930's, the main shaft was de-watered, and high-grade Native Silver was in evidence. In the 1960's, Elgin Lake Mines Ltd.

small number of short diamond drill cores extracted, intersecting the vein zone underground along it's assumed path between the adits on the W. and E. sides of Badger "Mountain". Some stripping and sampling was also performed.

In the late 1990's, the Badger, and other nearby properties were prospected by geologist J.Redden, for P.K.McWilliams, one of the properties past-owners. A substantial exploration effort was recommended for the Badger, including de-watering the shaft, detailed surverying of entire property plus geochemical and fluxgate mag surveying. The Badger Mine was on its way to being the premier silver mine before economic conditions forced all local mines to close.

Geology

In this particular small mining camp of numerous non-operating, historic mines and prospects, the geology in the local area consists of an approximately 100m. layer of black Animikie Shales intruded by 0-30m. Archean Diabase dikes and capped by similar sills. Below the shales are 4 layers of differentiated Gunflint Iron Formation. Vertical and horizontal faulting occurs throughout the area in ENE to NE and NNW. Displacement vertically ranges between 0 and 30m. Horizontal displacements have not been established on the property. Glaciation has eroded many of the faults into shallow valleys, creating small, mesatype hills in the area. In many cases, these mostly-vertical faults are in-filled with subsequently-emplaced quartz-carbonate veins and stockworks. They are referred to as "simple 5-element" ore veins. Many contain plentiful Silver.

Type of Work Performed

Physical work consisted of prospecting the N. portion of claim TB4277965, inspecting claim lines, stripping and trenching in two locations and a BeepMat survey of the four bedrock outcroppings, the three waste rock areas and the buried implied vein zone between the main shaft and the collapsed adits on the W. boundary of the claim. The two trenches were re-habilitated.

Tools used were a chainsaw, axe, branch lopping tools, shovels, miner's picks, scaling bar, etc. A GDD engineering BeepMat Model 8 was employed for metal detecting.

Substantial time was spent digitizing and reading thru a comprehensive collection of historic reports and records of the Thunder Bay area silver mines. These photocopied records were sourced primarily from gov't databases and library records collected in 1998 by amateur historian, S.Ross of Thunder Bay.

Dates of Work Performed (1)

2015 June 26	A.Hietapakka	travel to T.Bay
2015 June 27	R.Hietapakka R.Deschamp J.W.Scott A.Hietapakka	assemble/travel assemble/travel assemble/travel assemble/travel
June 28	R.Hietapakka R.Deschamp J.W.Scott A.Hietapakka	prospecting prospecting trenching prospecting
June 29	R.Hietapakka R.Deschamp J.W.Scott A.Hietapakka	strip/trench BeepMat op strip/trench BeepMat dig
June 30	R.Hietapakka R.Deschamp J.W.Scott A.Hietapakka	strip/trench BeepMat op strip/trench BeepMat dig

- July 1 R.Hietapakka R.Deschamp J.W.Scott A.Hietapakka
- strip/trench BeepMat op strip/trench BeepMat dig
- July 2 R.Hietapakka strip/trench R.Descamp BeepMat op J.W.Scott strip/trench A.Hietapakka BeepMat dig
 - July 3 R.Hietapakka fill trenches R.Deschamp BeepMat op J.W.Scott fill trenches A.Hietapakka BeepMat dig
 - July 4R.HietapakkaprospectingR.DeschampBeepMat opJ.W.ScottprospectingA.Hietapakkaprospecting
 - July 5 A.Hietapakka

travel to Waterford









Locations of trenching, sampling

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