# York River Claim

# Claim #4218573
# Lot 11, con. 14, Dungannon Twp.
# Hastings Co.

Submitted by:
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**LOCATION:**
Claim 4218573 is located on lot 11, concession 14, Dungannon Township (G-3144), Hastings County, Southern Ontario. The claim is roughly 12 km east of Bancroft, Ontario, and can be found on topographic map 31F/4, and Geological Map OGS 3385.

**ACCESS:**
From the intersection of Highways 62 and 28 in the Town of Bancroft, head east along Highway #28 for 11.1 km km to a bridge over the York River. Just past the bridge (east side), turn left, (north) onto a road that leads to the former bridge's abutments. Just before the river, stay to the right and continue along a single lane dirt road which follows the east bank of the York River. Follow this road for 2400 m to a cleared area which appears to have been a former sand pit, and park here. Just before the sand pit is a single lane road heading north. Take this road for about 300 m to a small cleared area which has the road going left to short distance to a hunt camp and has a trail leading slightly to the right and uphill. Take this trail for about 300m to a hunting tree stand. From here travel through the bush northwards until you hit the claim line between CP#2 (to the east), and CP#3 (to the west). This route seems to be the best access to the claim found so far.

**HISTORY:**
This claim was originally staked by Chris B. Patrie June 22, 2007 and recorded in the name of Wolverine Exploration & Mineral Recovery. In September 2007 prospecting work in the form of reconnaissance was done by Wolverine. In May 2010 Wolverine performed further prospecting work for nepheline, corundum and granite. The Bancroft Gem & Mineral Club acquired the claim from Wolverine this past spring.

This area has been the focus of exploration and mining activity in the past.
The Goulding-Keene Quarry, lot 12, conc. XI; Morrison Quarry, lot 10, con. XIII; and Davis Quarry, lot 9, conc. XIV, are on nepheline syenite pegmatites which were worked in the 1930's for nepheline/feldspar rock used for ceramics and glass production. Corundum has been reported from lot 18, con. XI; lot 12, con. XII, and lot 12, con. XIV & con. XV. Sapphire grade corundum has been found in this area, and a cut blue sapphire from here is in the collection of the Canadian Museum of Nature in Ottawa.

**TOPOGRAPHY & VEGETATION:**
Elevation at the York River is about 980 m asl. In general, the topography consists of rolling hills, generally trending SW-NE, separated by lowland, often swamps, bogs or lakes. The York River runs through a valley cutting the Madawaska Highlands. The valley area is boggy and swampy and relief is no more than 10 to 20 m. Our claim includes part of a granite gneiss ridge which has very steep sides and reaches a height of 1350 m asl.

Forest cover is mixed bush including maple, poplar, birch, beech and pine trees, all about 10 – 30 years old. Recent numerous "blow downs" are currently making travel through the claim very difficult and tedious.

**GENERAL GEOLOGY:**
The bedrock is part of the Canadian Shield, Grenville Province, Bancroft Terrane, and is described in Geology of Ontario, Ontario Geological Survey, Special Volume 4, part 2, and Hewitt & James, 1956.
The area is dominated by the Great Bend Granite, the Mallard Lake Gabbro intrusion to the east, both intruding calcareous metasediments, plus a band of nepheline syenite rock, (the Hastings Highlands Gneiss Complex; Hewitt & James, 1956). Each of the nearby former quarries, (Goulding-Keene, Morrison and Davis), are located in nepheline syenite pegmatites. Corundum occurs in the band of nepheline syenite rock. A skarn tactite zone, located along the east bank of the York River, about 400 m north of Highway #28, is world famous for quality specimens of grossular garnet (hessonite), vesuvianite, and diopside, among a long list of other minerals.
The area has been mapped by Lumbers & Vertolli, 1998, Hewitt & James, 1956, and Adams and Barlow, 1910, and described by Moyd, 1949, Gummer & Burr, 1946, Thomson, 1943.

**PURPOSE OF WORK:**
The Bancroft Gem & Mineral Club has purchased this claim and wishes to pursue exploration here to determine the possible presence of corundum, especially facet-grade sapphire, or any other collectible mineral material. Finding such occurrence(s) we would determine the quality, accessibility and practicality of a commercial venture or public mineral collecting site.

Our plans are to prospect the claim to obtain an overview of this area, (traversing claim lines, trails, and roads), then flag a grid over the claim towards mapping it in detail. Nepheline syenite, and syenite outcrop, will be closely examined, sampled, and possibly "trenched" to determine any favourable mineralization.

**ASSESSMENT WORK PERFORMED:**

Assessment was performed on July 4, 2011 by members of the Bancroft Gem and Mineral Club and Mr. Dave Hanes of Wolverine Exploration and Mineral Recovery. Work consisted of investigating access points to the claim, and re-flagging the west claim boundary from CP#3 towards CP#4 and investigating and recording any outcrops found along this line.

Members of the Bancroft Gem & Mineral Club, (listed in Table 1) rendezvoused at 10 a.m. at The Princess Sodalite Mine on Hwy #28, just east of Bancroft, Ontario, with Dave Hanes, owner of Wolverine Exploration and Mineral Recovery, (see photos). The Club had wanted Mr. Hanes, to previous claim holder, to orientate our members with the claim. The soonest Mr. Hanes could facilitate this was July 4th.

From here we travelled to the forest access road off of Hwy#28 just east of the York River bridge. Continuing north along the "river road" we travelled to point known to have an access trail to corundum pits worked in the 1960's and 70's. These pits are recorded to be on the lot directly bordering our claim to the west. By following this trail to these pits and then travelling eastwards onto our claim it was reasoned that we could follow any favourable outcrops from this known location onto our claim and be able to take a trail with was known to be relatively flat and easily accessible up to the point of reaching our claim. Topographic maps for the location, along with Mr. Hanes previous work indicated that there were some very steep hills, in places being impassable bluffs. Although the approximate departure point along the road was located no trail was found even after about one hour of scouting. Ten years have pasted since the trail was known to have been present and it would seem that logging has occurred at some time within those years. After not finding this access trail we decided to enter the claim as Mr. Hanes has done in the past. Parking at the sand pit along the "river road" we walked along a single lane forest access road northwards. At a bit of a clearing, about 300 m along the road we took a trail at the north end of the clearing which lead uphill to a hunting tree stand. From the tree stand we bushwhacked northwest, finding the southern claim line and following it to CP#3.

From CP#3 we travelled northwards along the claim line, re-flagging the line and investigating and recording any outcrop we encountered. CP#3 is located on top of a high ridge which runs northward to a point which is about halfway to CP#1, where it drops off precipitously in very steep sides and sheer bluffs.
Numerous recent "windfalls" made travel along the line very slow and tedious, but conversely the uprooted trees uncovered new bedrock exposures.
The overburden along the ridge is very thin and the soil very light and sandy. Just about the entire ridge covered along our line was red granite/syenite gneiss. Three outcrops were sampled for later petrographic descriptions, (see table 2).
At a point halfway to CP#1, in the area of the recorded line post, we encountered a very steep drop off which struck at about an E-W direction. Various points along the edge, in the general vicinity, were investigated for access points which would allow safe travel downwards towards the north. Several party members found a route and continued down, estimating the drop to be about 150 m (500 ft), These members followed the bottom of the ridge eastwards and then southwards back to the road. The rest of the party retraced their path along the boundary. The results of this reconnaissance are outlined on a map, (see Fig. 2).

**CONCLUSIONS:**

Overall our results for the day were a little disappointing both in quantity of data collected and the nature of data collected. All outcrops along the ridge showed fine grained red granite/syenite gneiss with little in the way of accessory minerals. No nepheline syenite, or other alkali syenite was encountered. Metasediments found at the northern edge of the granite gneiss likewise did not show any favourable characteristics for mineralization.
Travelling through the bush on the claim was slow and arduous due to numerous windfallen trees.
Further work should be done on the north part of the claim to find nepheline syenite. If this is found, the area should be grided and mapped in detail.

**Table 1**
**Assessment Work Party for July 4, 2011**

| NAME | ADDRESS | PROSPECTORS LICENCE |
|---|---|---|
| Chris Fouts | 29 Jade Bay Rd., R.R.#1, Bancroft, ON K0L 1C0 | Licence #1008328 |
| Robert Beckett | 2125 Lorraine Dr., Peterborough, ON K9L 1W4 | |
| George Thompson | 4637 Stirling Marmora Rd, R.R.#3, Stirling, ON K0K 3E0 | |
| David Paterson | 1327 Lower Craigmont Rd., Combermere, ON K0J 1L0 | |
| Steve Bates | 46 Lakeside Dr., Grimsby, ON | Licence # 1005A20 |
| Alfred Newham | 739 County Rd 15, R.R.#2, Picton, ON | |
| Jim Curzon | 41 Concession St., Kingston, ON | |
| David Hanes | 100 Kent Ct., Apt. #106, Sudbury, ON P3A 4R5 | Client # 37701 |
| Julia Daubaras | 471B Dog Lake Rd, R.R.#2, Maynooth, ON K0L 2S0 | |

**Table 2**
**Grab Samples from recon work**

| Sample # | Rock Type | Description |
|---|---|---|
| CF-YR-001 | syenitic gneiss | red, fine grained, fsp 90%, qtz 10%; very friable and sandy textured; no mag |
| CF-YR-002 | granite gneiss | red, fine grained, fsp 60%, qtz 30%, blk mica 10%, trace mgt; mag |
| CF-YR-003A | granite gneiss | pink, fine grained; fsp 70%, qtz 30%; no mag |
| CF-YR-003B | amphibolite | dark grey, fine grained; blk mica 60%, white fsp 40%; no mag |

**Table 3**
**Expenses & Costs**

*Time*

| | | |
|---|---|---|
| Geologist, (Chris Fouts) | 1 day field work | $200 |
| | 1 day report work | $150 |
| Licenced prospectors (D. Hanes & S. Bates) | 1 day field work 2 x $150 | $300 |
| Prospecting assistants (Beckett, Thompson, Paterson, Newham, Curzon, Daubaras) | 1 day field work 6 x $100 | $600 |

*Mileage*

| | | | |
|---|---|---|---|
| C. Fouts, Bancroft | 26 km | | |
| J. Daubaras (with C.F.) | | | |
| D. Hanes, Sudbury | 884 km | | |
| B. Beckett, Peterborough | 233 km | | |
| G. Thompson, Stirling | 118 km | | |
| D. Paterson, Combermere | 48 km | | |
| S. Bates, Grimsby | 45 km | | |
| A. Newham, Picton | 268 km | | |
| J. Curzon, (with A.N.) | | | |
| TOTAL | 1,622 km | @ 0.40/km | $648.80 |

*Accommodation & Meals*

| | | |
|---|---|---|
| D. Hanes, Sudbury | 2 nights camping @ $30/day | $60 |
| Total claimed expenses | | $1,958.80 |

**REFERENCES**:


Adams, F.D. and Barlow, A.E., 1910; Geology of the Haliburton and Bancroft areas, Province of Ontario; GSC; Memoir 6.

Easton, R.M., 1992: The Grenville Province and the Proterozoic history of central and southern Ontario; in Geology of Ontario, Ontario Geological Survey, Special Paper vol. 4, part 2.

Gummer, W.K. and Burr, S.V., 1946: Nephelinized Paragneiss in the Bancroft Area, Ontario; The Journal of Geology; v. LIV, no. 3, p.137

Hewitt, D.F., 1961: Nepheline syenite deposits of southern Ontario; ODM, Annual Report, v. 69, pt. 8

Hewitt, D.F. and James, W.F., 1956; Geology of Dungannon and Mayo Townships, Ontario; Ontario Department of Mines Annual Report 64 (8).

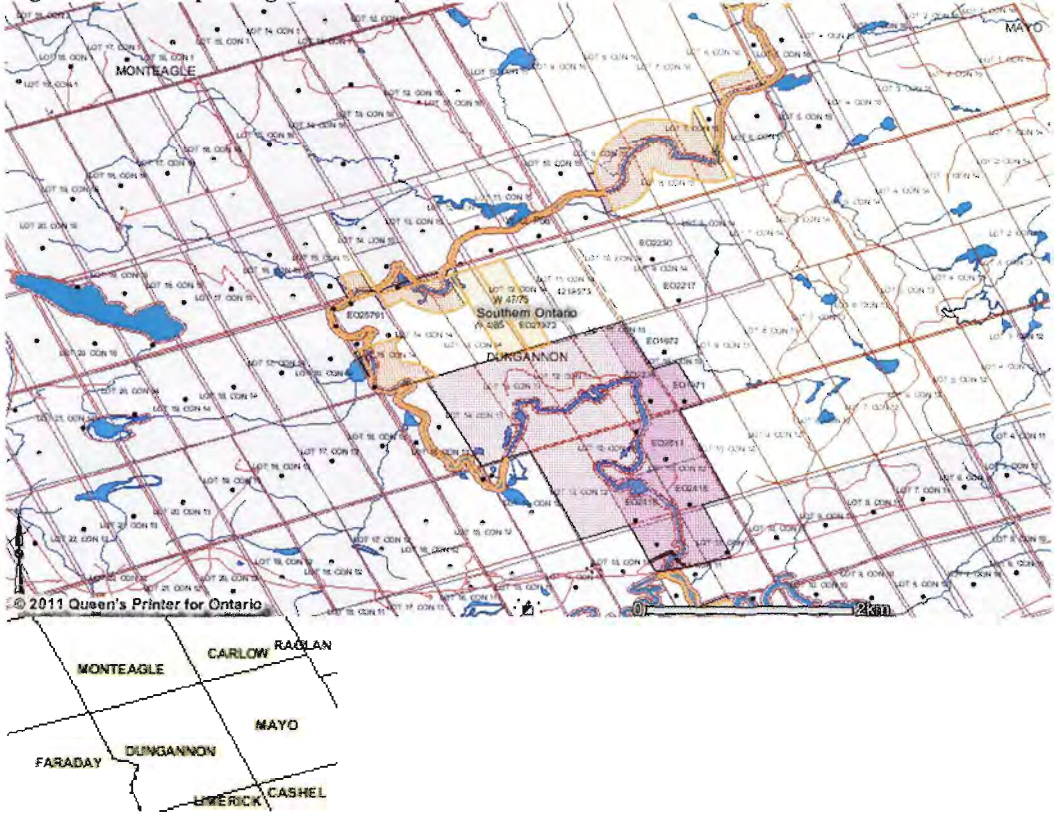
Lumbers, S.B. and Vertolli,V.M., 1998; Geology of the Bancroft Area; Ontario Geological Survey Map 3385, scale 1:50,000.

Moyd, L., 1949; Petrology of Nepheline and Corundum Rocks of Southeastern Ontario, American Mineralogist, v. 34, no.9 & 10.

Thomson, J.E., 1943; Mineral occurrences in the North Hastings area; ODM Annual Report v. 52, part 3.


**APPENDIX**

**Fig. 1 Claim map Dungannon Twp.**



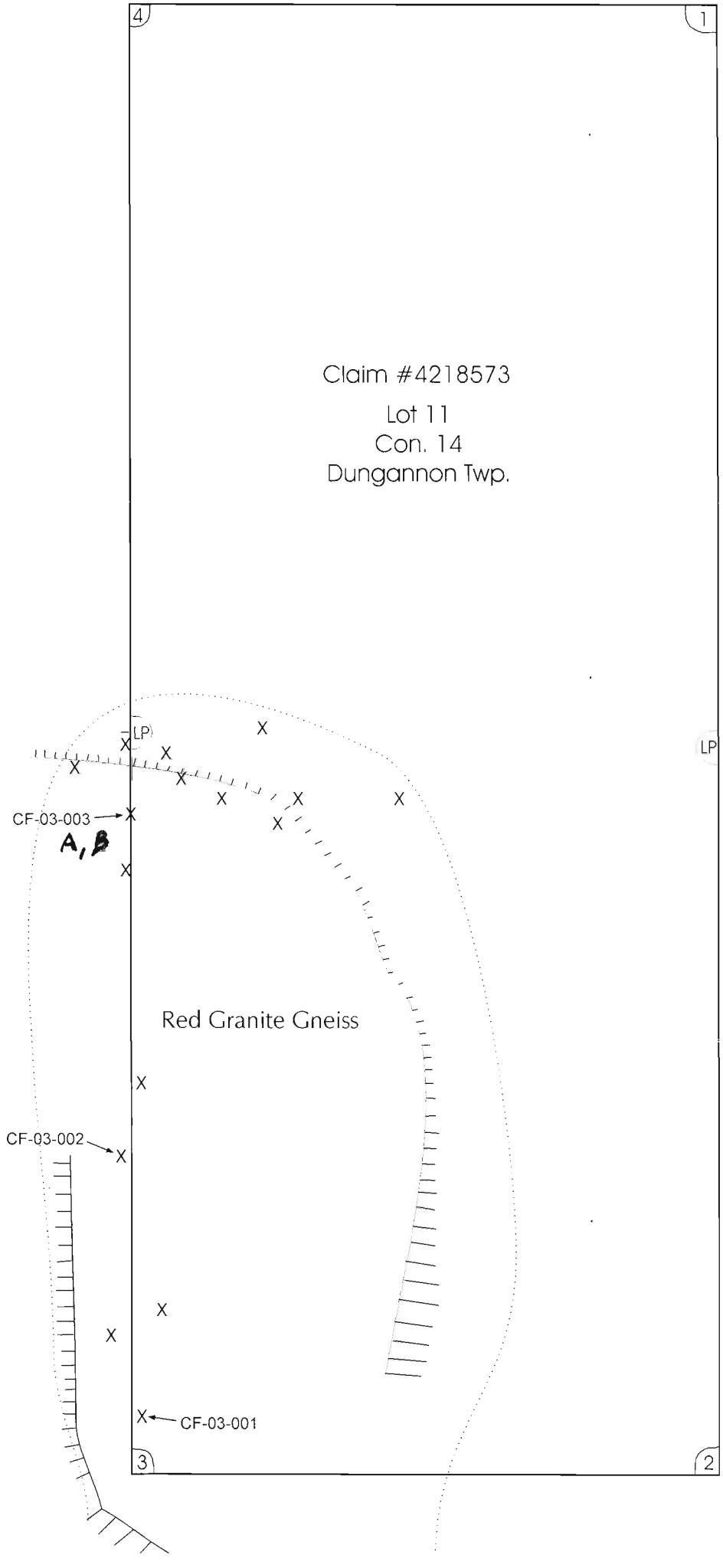
Photos from assessment work party

Assessment work party assembling

Claim post #3

Area of claim post #3

Outcrop at sample location CF-YR-003.




# Fig. 2

Geology map from data collected July 4, 2011
(Revised Oct. 29/11)

Approx. contact of rock types

Approx. edge of slopes

X Outcrop

Hand samples collected and described
CF-03-001
CF-03-002
CF-03-003

Sample locations:
UTM coordinates from GPS
CF-03-001: 0284177 / 4996665
CF-03-002: 0284129 / 4996726
CF-03-003: 0284067 / 4996979