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ASSESSMENT WORK REPORT 2017

CROWN JEWEL and AMETHYST CREEK PROPERTIES

CLAIMS: 107861, 142828, 142827, 284597, 211604, 164761, 327942,164762, 325287

TARTAN LAKE AREA

THUNDER BAY MINING DIVISION

Introduction

In 1990, while prospecting for amethyst deposits in the area, this author (claim holder), discovered amethyst-bearing granite 'float' boulders along a new forest access road (now named Magone Road) approximately 13 km east of Hwy 527. During a follow-up prospecting trip in 1991, he found the bedrock source of the amethyst and staked a single-unit mining claim (legacy claim 1183116) on the occurrence. Under the new conversion process from legacy claim to cell claim, the new claim no. is now 107861.

Subsequent prospecting in the following years, revealed that the mineral deposit continued >2650 meters to the northeast. Additional claims were staked along strike of the deposit to cover the prospective ground. These are current claims (after conversion), numbered: 107861, 142828, 284597, 142827, 211604,164761, 327942, 164762.

Location and Access

The mining claims are located on crown land approximately 32 km (driving) northeast of the City of Thunder Bay in unsurveyed territory north of MacGregor Township. Access is by motor vehicle travelling east from Thunder Bay along Hwy 11/17 to Hwy 527, then north along Hwy 527 approximately 15 km to Magone Road (forest access road), then 13 km east on Magone Road to the access trail/driveway into the work area at legacy claim 1183116 (now 107861). The access trail to legacy claim 1194849 (now 211604) is a further 1.2 km beyond legacy claim 1183116 (now 268165, 107861). UTM coordinates for the work sites are: Claim 107861 - NAD83 U16 354704E, 5389778N. Claim 211604 - NAD83 U16 355703E, 5390296N

Geology

The area of the mining claims is predominantly underlain by Precambrian age Archean felsic intrusive rocks (pink granite) of the MacKenzie Stock. Interspersed within the granite are small areas (blocks or rafts?) of metasedimentary rock (gray quartz-mica schist). The topography is rugged and hilly with abundant outcrop and elevations as high as 550 meters above sea level. Vegetation is mixed boreal forest and brush with overburden consisting of glacial till, gravel, boulders, humus, muskeg (in low ground). Some of the logged areas have been re-planted with evergreen softwoods, while some areas have been allowed to re-seed naturally

Mineralization

Amethystine quartz occurs along several north-east trending faults in the area. The amethyst and quartz are found as hydro-thermal deposits filling fractures in the granite as well as in small areas of the adjacent mica schist where it is in contact with the faulted intrusive rocks. Diverse colours of quartz (clear, white, purple (amethyst) and green (prasiolite)) are present in veins, crystallized in vugs and in brecciated zones. Other minerals identified as inclusions: hematite (common for the Thunder Bay area), disseminated pyrite and chalcopyrite, rutile (goethite, marcasite?) as well as an unidentified mineral tentatively named as Siltamäkiite (name to be established if it is a newly identified mineral). Some minor malachite was observed as staining or coating along fractures where disseminated chalcopyrite was seen. The mineralized zone has been traced along outcrops for a distance of >2650 meters and up to 35 meters in width at legacy claim 1183116.

Samples of mineral specimens, lapidary stone and landscape/garden rock have been collected from this deposit.

Sampling

All samples were collected manually (physical work) using hand tools. Most samples were of amethystine quartz of various sizes, colours and habits. Material consisted of crystallized mineral specimens, lapidary-grade rock and decorative home and garden stone. Much of the material collected has host rock, intrusive (pink granite (monzonite) or metasedimentary quartz-mica-schist attached. Samples were transported to town for cleaning and storage at my home and also my country property.

Equipment Used

**Transporting: GMC VANDURA 2500
YAMAHA BIG BEAR ATV**

Work tools: prospector pick, Geotul, sledge hammer, chisel, scaling bar, pry bar, broom, Honda water pump, watering can/buckets, shovel, hoe, Husqvarna chain saw, hand saw and loppers for brush-cutting

GPS unit: Garmin *GPSmap 62s*

Camera : Canon *PowerShot A590is*

Sample-cleaning tools: various brushes and dental picks, Maxilum (soap/acid solution), and much 'elbow grease'

Report prepared by qualified person:

Aki K. Siltamäki (Claim Holder)

Licence # E33284

Client # 194389

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Fig. 1 amethyst/quartz veins at T-3 trench on claim 107861



Fig. 2 Amethyst and amethyst/prasiolite samples collected from the “ameprase” pocket on claim 211604



Fig 3 test pit (“ameprase” pocket) at T1 trench on claim 211604



**This pocket (vug) produced the samples shown in Fig 2.
The samples were all dug by hand/hand tools from glacier-packed vug-filling
(cemented material consisting of clay, till and gravel).**

Fig 4 Vein of quartz and crystal-lined vug with white, purple (amethyst) and smoky quartz banding at TP-2 test pit on claim 107861





**Fig. 5 Claim 107861 “Discovery Mine” work site at NE outcrop
View to the ENE**

Amethyst/quartz veins in granite exposed along strike of deposit on claim 107861. This outcrop has been stripped of overburden and outcrop-washed in preparation for trenching during future work programs.

Fig. 6 amethyst vein in granite at T-4 trench on claim 107861



Fig. 7 sketch map of claim 107861 Work Area

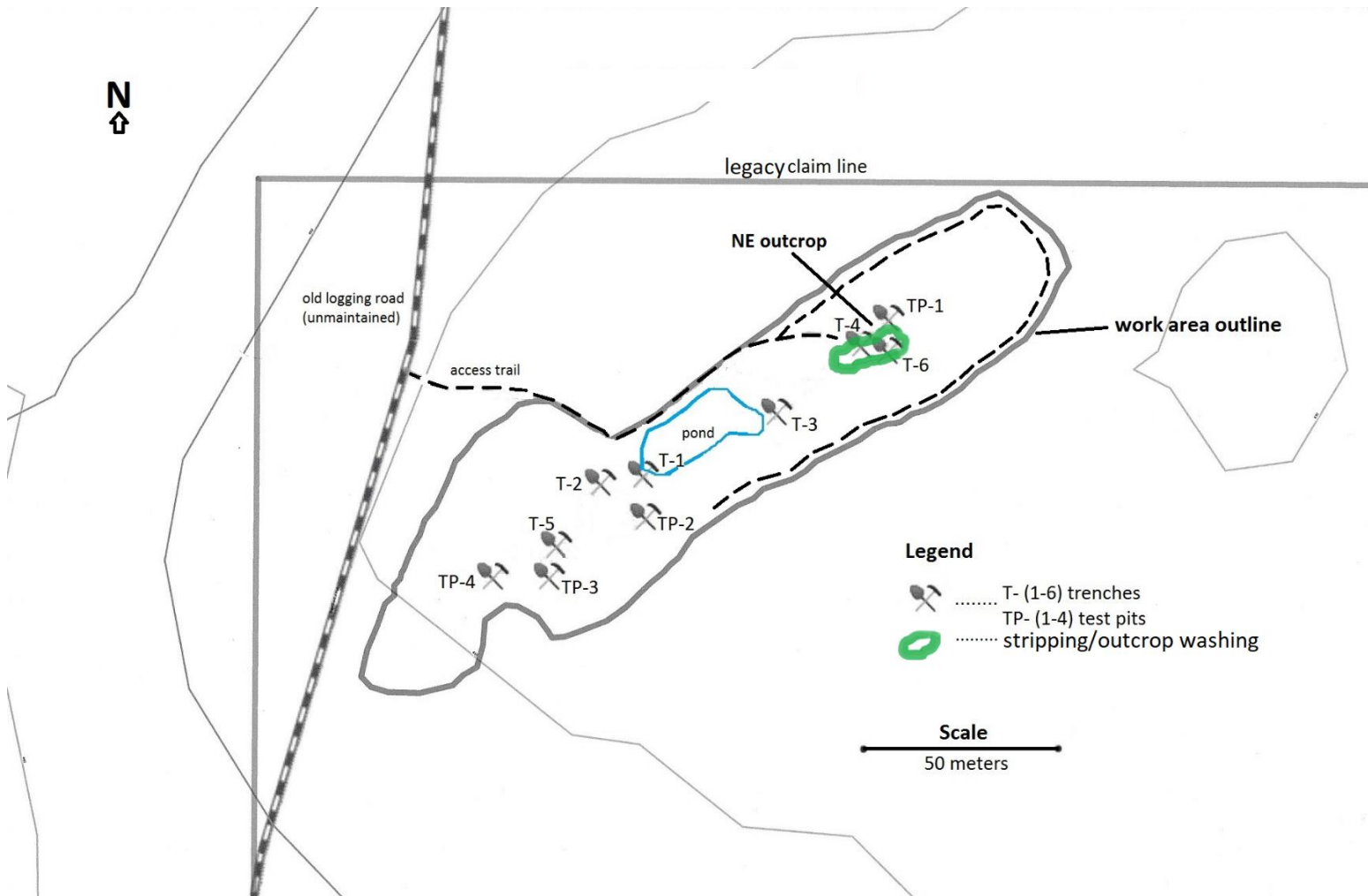


Fig. 8 sketch map of claim 211604 Work Area

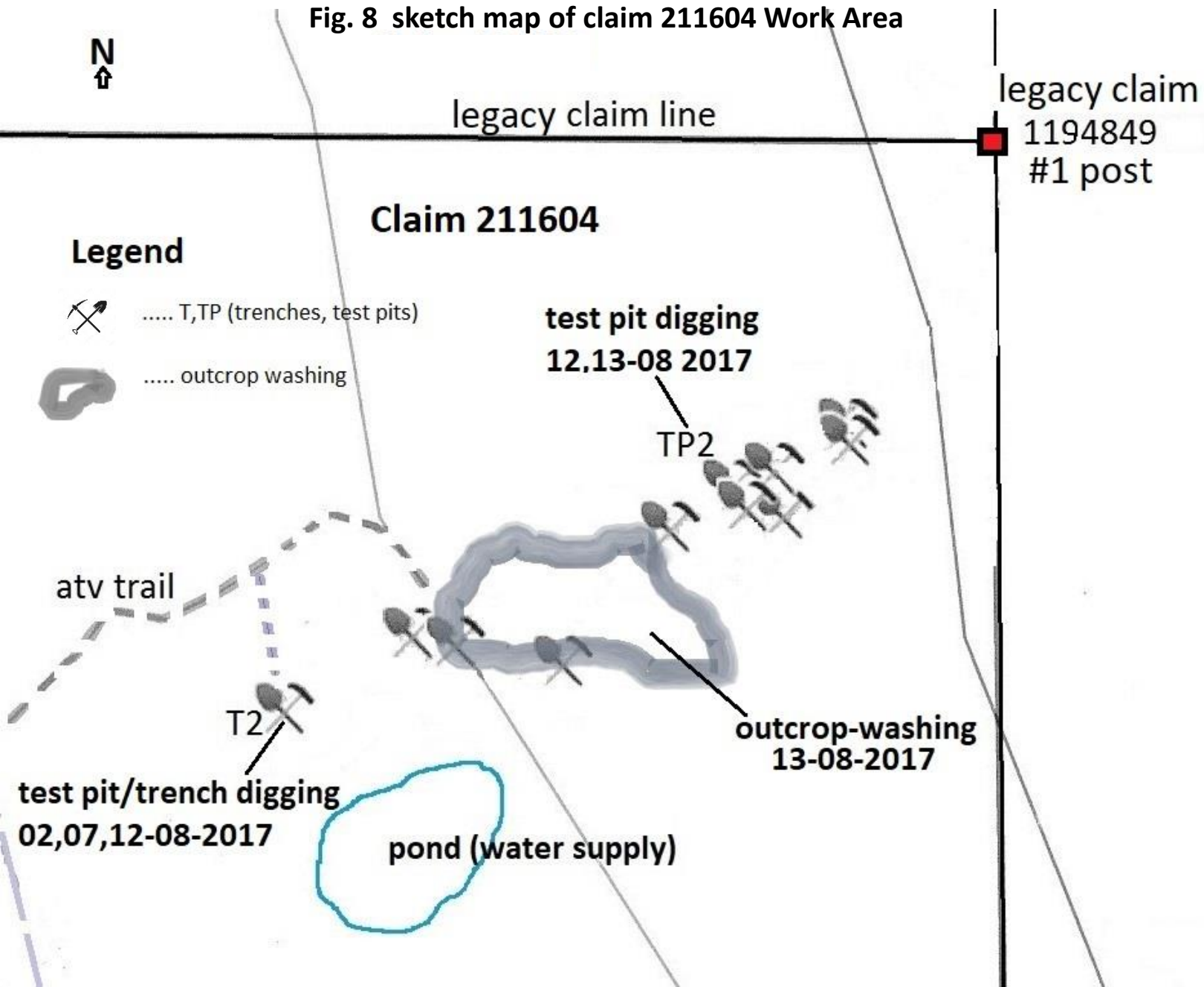
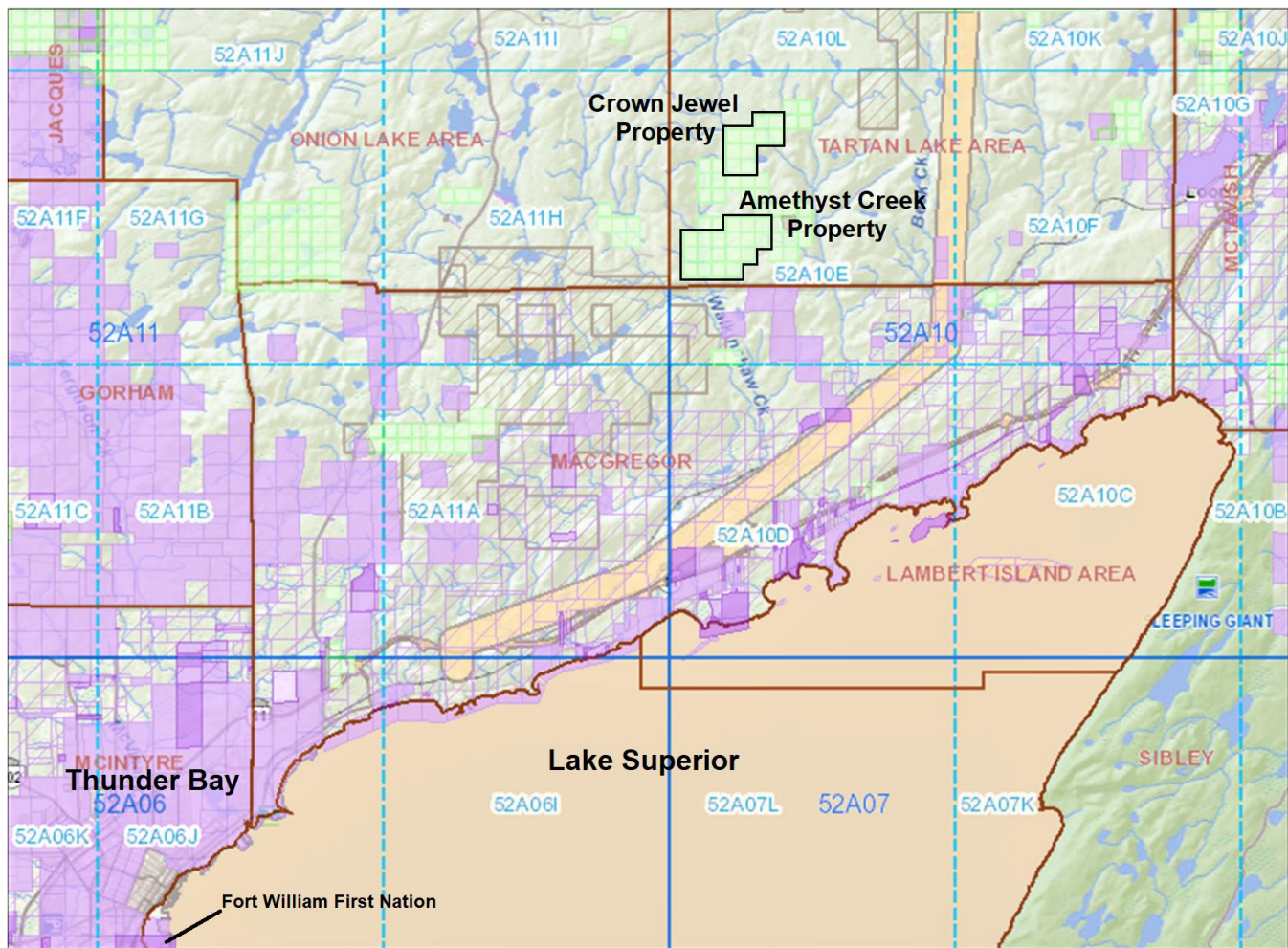


Fig. 9 Location Map of Cown Jewel and Amethyst Creek Properties



MINISTRY OF NORTHERN DEVELOPMENT AND MINES
MLAS Map Viewer

Location Map of Crown Jewel and
Amethyst Creek Properties



Legend

- Mining Claim
- Mining Lease**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Licence of Occupation**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Patent**
 - Surface Rights Only
 - Mining Rights Only
 - Surface and Mining Rights
- Mining Division
- MNDM Townships and Areas
- Provincial Grid 50K
- Provincial Grid Group
- Non-Mining Land Tenure**
 - Patent, Surface Rights Only
 - Patent, Mining Rights Only
 - Patent, Surface and Mining Rights
 - Lease, Surface Rights Only
 - Lease, Mining Rights Only
 - Lease, Surface and Mining Rights
 - Water Power Lease Agreement
 - Licence of Occupation, Surface Rights Only
 - Licence of Occupation, Surface and Mining Rights
 - Order-in-Council
- Alienation**



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Fig. 10 Claim Map of Crown Jewel Property

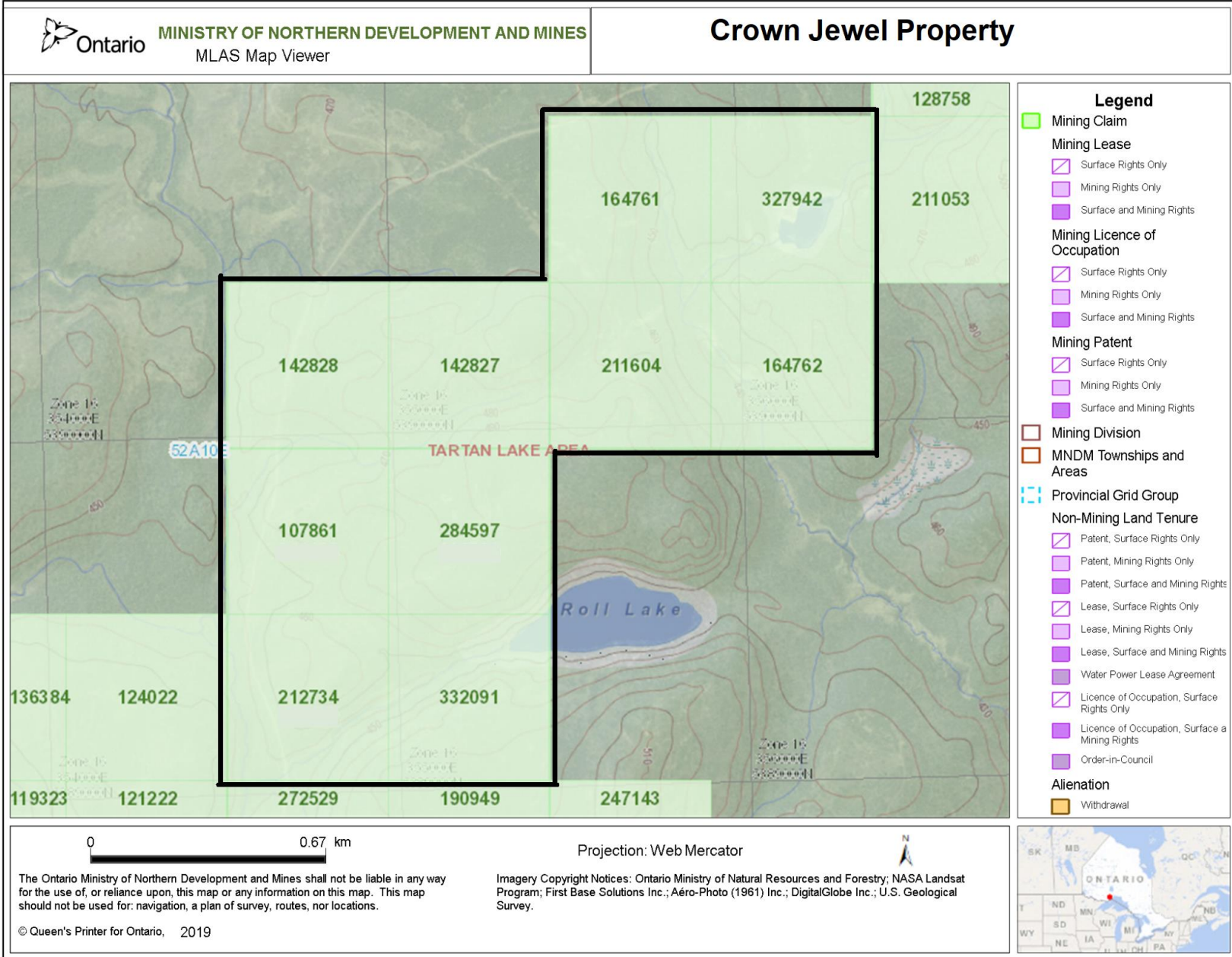
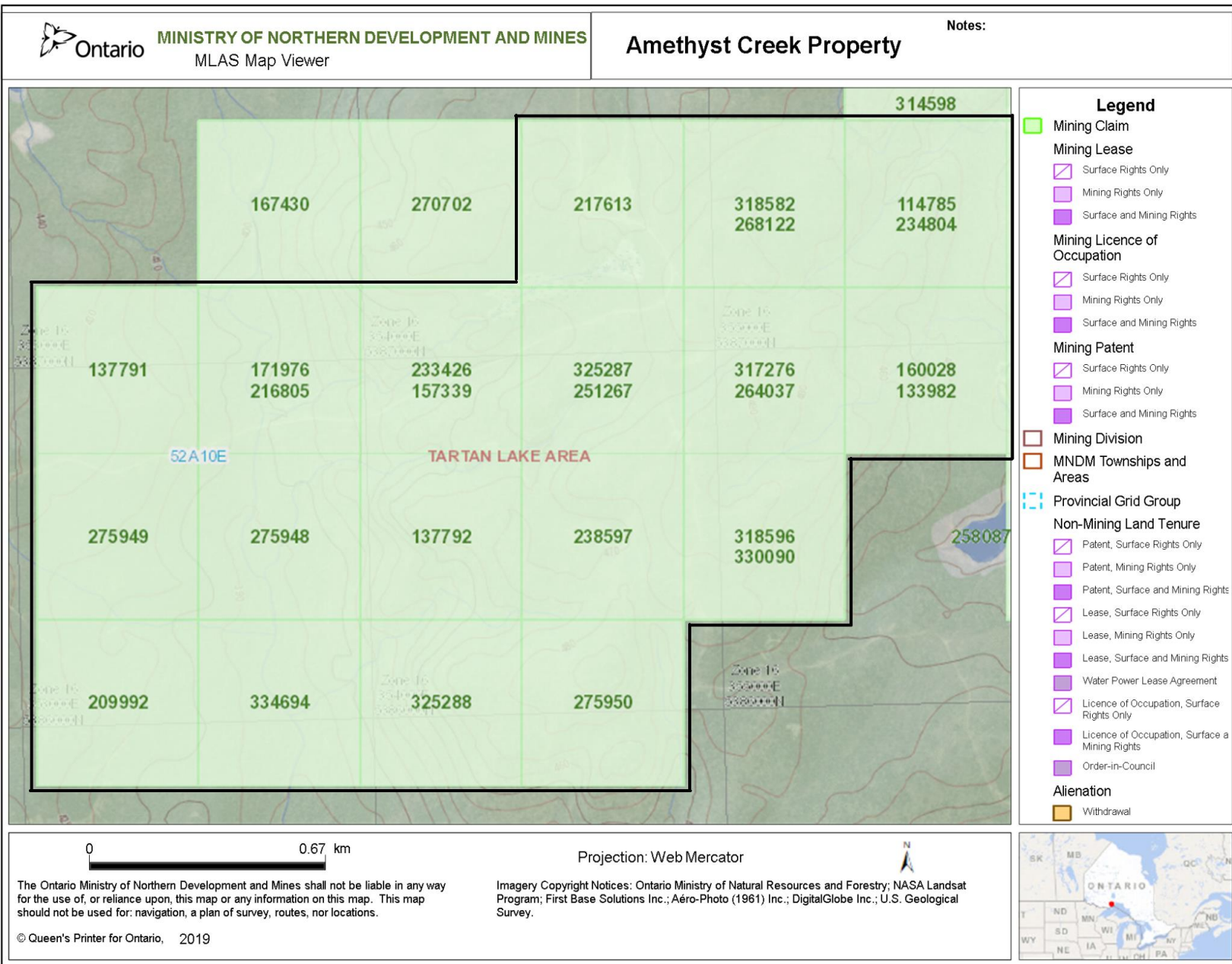


Fig. 11 Claim map of Amethyst Creek Property



0 0.67 km

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Fig. 12

Claim 107861 work area (2017)

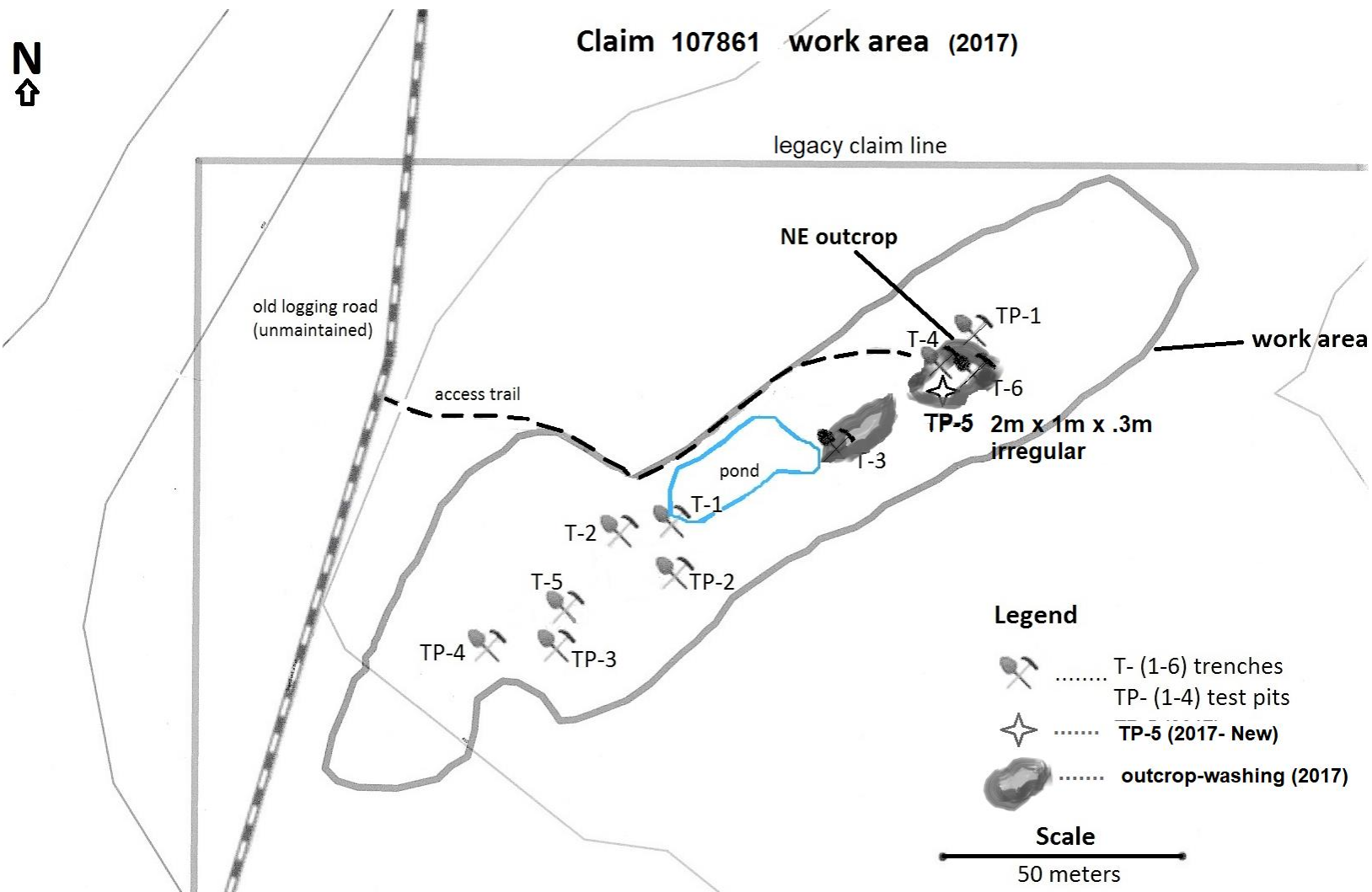


Fig. 13 sketch of outcrop-washing outline, claim 211604

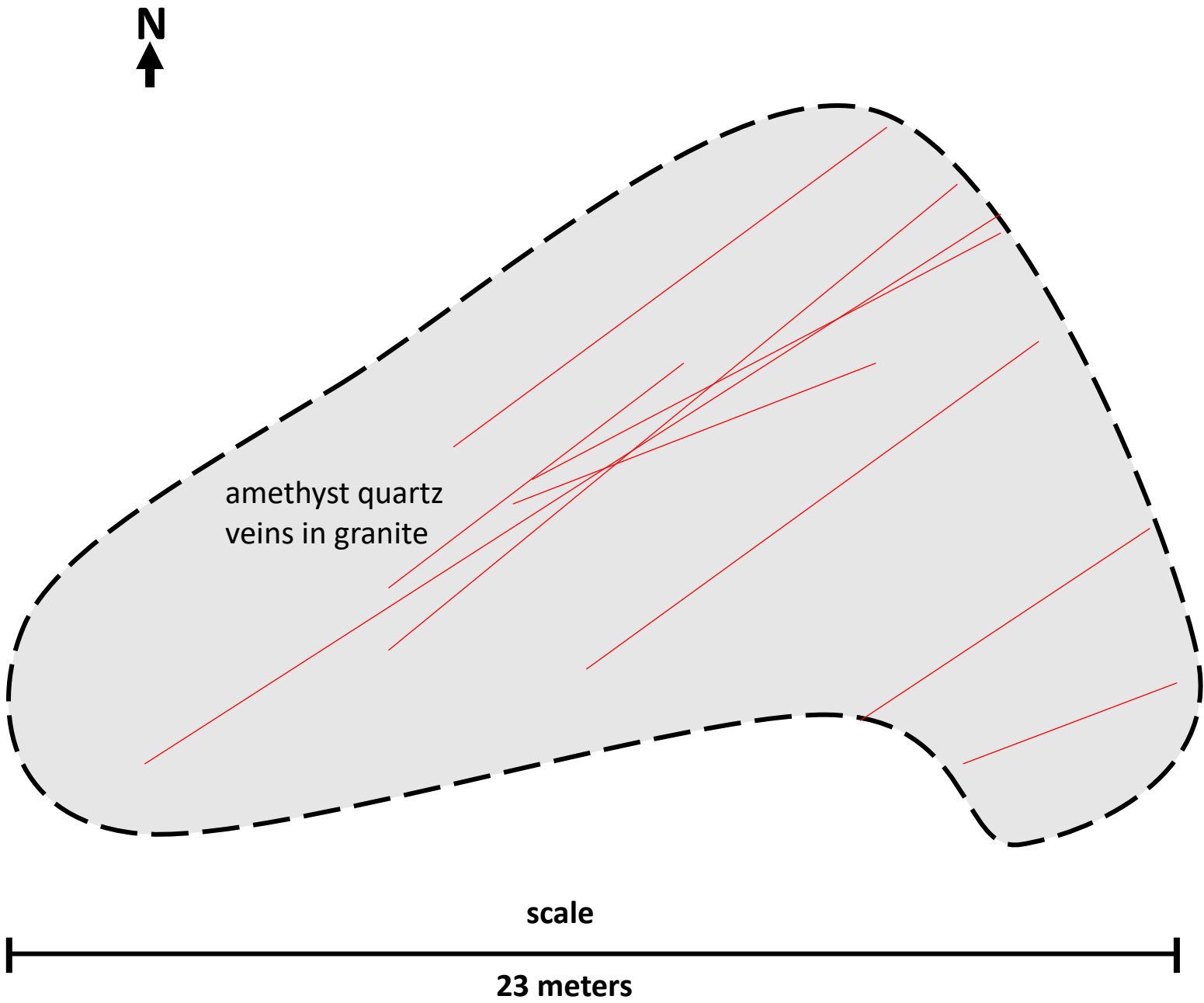
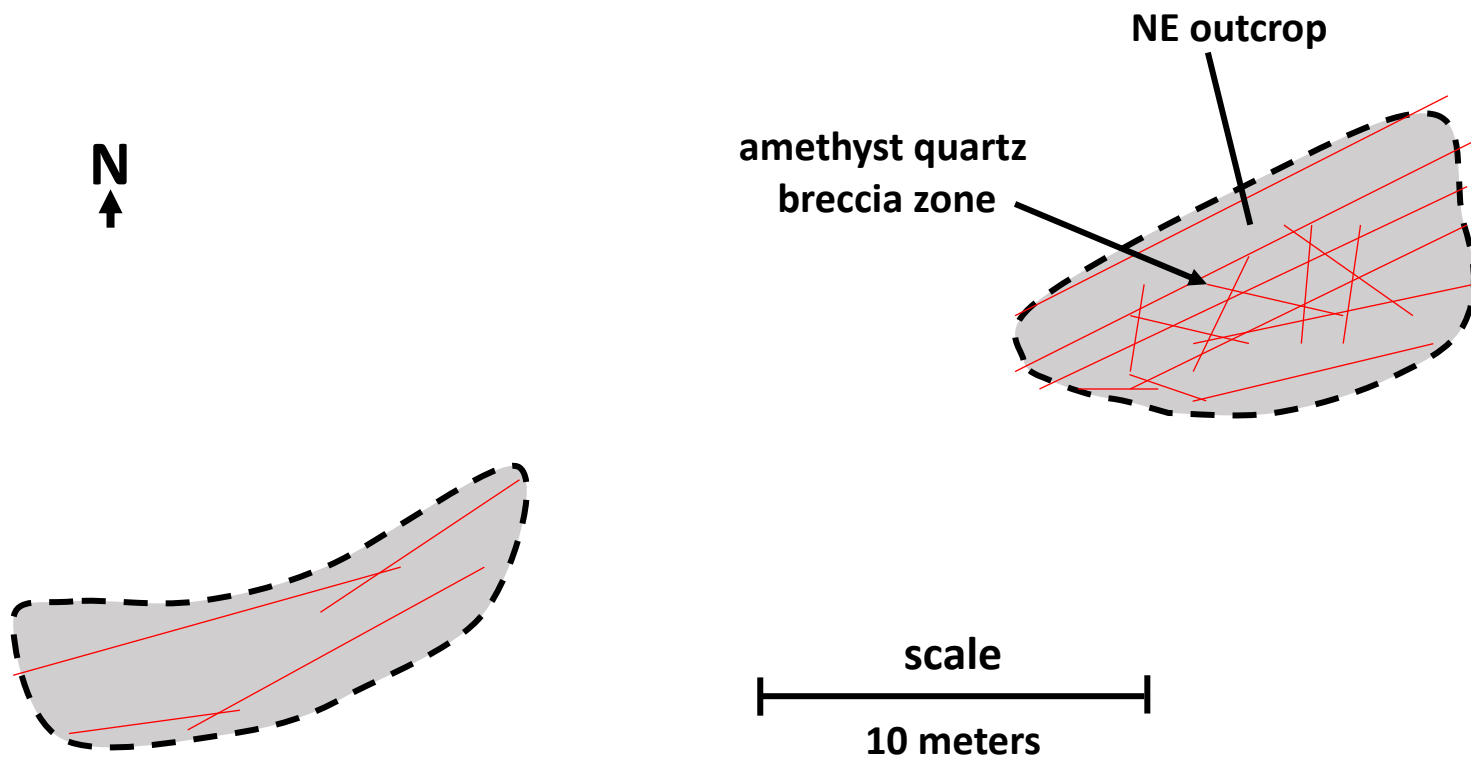


Fig. 14 sketch of outcrop-washing outlines, claim 107861



Legend



- amethyst quartz veins 
- outcrop-washing 

Fig. 15 sketch of T-5 test pit, claim 107861

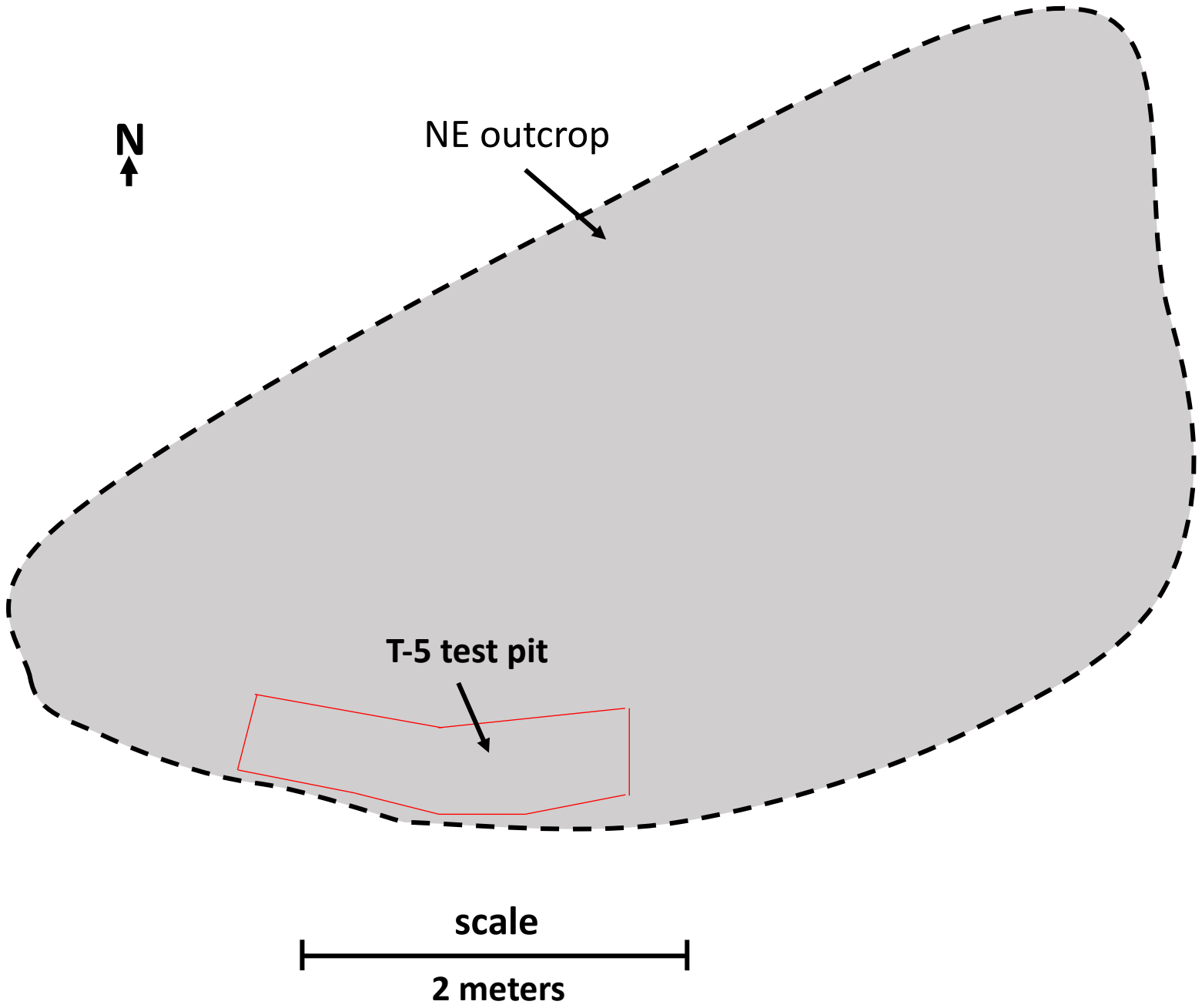
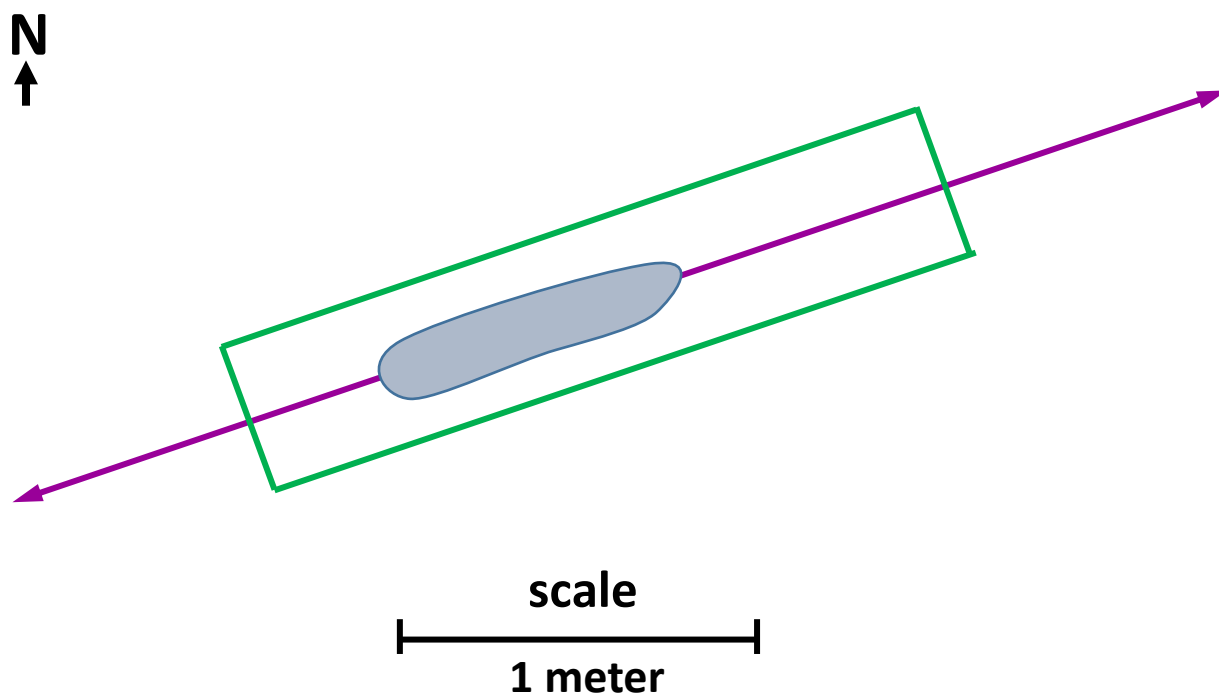





Fig. 16 sketch of TP2 test pit, claim 211604



Legend

- test pit outline 
- amethyst vein 
- crystal pocket (vug) 

Work Log

Date	Claim	Personnel	Work Type	Mileage km	Food/ Bev.	ATV	Water Pump	Days	\$ Cost
May 31 2017	107861	A.Siltamäki	test-pitting at NE outcrop	88	45			.5	272.5
June 1 2017	107861	A. Siltamäki	I test-pitting at NE outcrop	88	45			1	589
June 2 2017	107861	A. Siltamäki	digging, outcrop-washing at NE outcrop	88	45	85	45	1	719
June 7 2017	107861 211604	A. Siltamäki J. Chen	recon. site assessments for potential investors	92	90				1086
June 8 2017	107861 and Amethyst Cr. Property	A. Siltamäki J. Chen	Day 2 recon. site assessments for potential investors	2 vehicles 184 km (total)	90			1	1142
June 9-17	107861 211604	A. Siltamäki	home/town samples transport and storage get fuel and supplies	66	135			1.5	318
June 18 2017	107861	A. Siltamäki	site planning for exploration permit	96	45			.5	343
June 22 2017	107861 211604	A. Siltamäki	claim 107861 photos/recon. claim 211604 trail maintenance brushing	92	45			1	591
June 24 2017	107861 211604	A. Siltamäki	claim 107861 site photos claim 211604 trail maintenance brushing	92	45			1	591
June 26 2017	211604	A. Siltamäki	trail maintenance brushing, shoveling, moving rocks	92	45			1	591
June 27 2017	107861 211604	A. Siltamäki	trail maintenance	92	45			.5 .5	591
June 30 2017	211604	A. Siltamäki	trail maintenance	92	45			1	591
July 4 2017	107861 211604	A. Siltamäki	claim 107861 job site recon./security claim 211604 trail maintenance	92	45			1	591
July 7 2017	107861 211604	A.Siltamäki	claim 107861 test pits, samples at NE outcrop claim 211604 trail maintenance	92	45			.5 .5	591
July 13 2017	107861 211604	A. Siltamäki	transport samples from home to property	22	22.5			.5	283.5

Date	Claim	Personnel	Work Type	Mileage km	Food/ Bev.	ATV	Water Pump	Days	\$ Cost
July 14 2017	107861 211604	A.Siltamäki	work vehicle maintenance oil, filter, lube, inspection	12	22.5			.5	278.5
July 25 2017	107861	A. Siltamäki	test-pitting at NE outcrop	88	45			1	589
Aug. 2 2017	107861 211604	A. Siltamäki	claim 211604 test pit, trench at T2	92	45	85		1	676
Aug. 7 2017	107861 211604	A. Siltamäki B. Hasler P. Nichols	test-pitting, sampling at NE outcrop: 3 test pits and 1 trench – 2 atvs	92	135	170		1	1751
Aug. 11 2017	107861 211604	A. Siltamäki	THP (FW First Nation) for fuel, transport samples from home to property	40	22.5			.5	292.5
Aug. 12 2017	107861 211604	A. Siltamäki B. Hasler	claim 107861 outcrop-washing at NE outcrop claim 211604 test-pitting at T2, TP2, TP4 collect samples	92	90	85	45	.25 .75	1216
Aug. 13 2017	211604	A. Siltamäki B. Hasler	outcrop-washing at NE slope and T5 trench digging at TP2	92	90	85	45	1	1216
Aug. 15 2017	211604	A. Siltamäki	digging at TP2, collect samples	92	45	85		1	676
Aug. 24 2017	211604	A. Siltamäki	digging at TP2, collect samples	92	22.5	85		.5	403.5
Aug. 28 2017	107861 211604	A. Siltamäki	recon. claim 211604 and site plan photos for future work at claim 107861 NE outcrop	92	22.5			.5	318.5
Sept. 4 2017	107861 211606	A. Siltamäki	recon. / work sites security patrol	92	45			1	591
Sept. 6 2017	325287	A. Siltamäki	recon., flag site for exploration permit	82	22.5			.5	313.5
Sept. 7-12 2017	107861 211604	A. Siltamäki	3 trips to transport samples from home to property	66	67.5			1.5	850.5
Sept. 21,22 2017	107861 211604	A. Siltamäki	2 trips to transport samples from home to property	44	45			1	612
Sept. 24 2017	211604	A. Siltamäki	digging at TP2, collect samples	92	45	85		1	721
Oct. 1 2017	107861 211604 325287	A. Siltamäki J. Koppel	show claims and work sites to potential investor	92	90			1	1086
Oct. 21 2017	211604 107861	A. Siltamäki	claim 211604 work site recon./security claim 107861 test-pitting at T-5	92	45			1	591

