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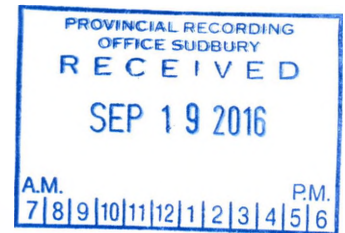
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ASSESSMENT WORK REPORT 2015-2016

AMETHYST CREEK PROPERTY

TARTAN LAKE AREA – THUNDER BAY MINING DIVISION

CLAIM HOLDER: AKI K. SILTAMÄKI



2-57149

Mining Claims: 4221448, 4249813, 4251311, 4272711, 4272712

Location

North of MacGregor Twp. approximately 28 km (driving distance) northeast of Thunder Bay Ontario.

Access (motor vehicle)

East from the City of Thunder Bay Ontario along Hwy 11/17 (Trans-Canada) to Hwy 527

North on Hwy 527 approximately 15 km to Magone Rd.

East on Magone Rd. 9 km to west part of Amethyst Creek Property.

A further 1 km east to an old logging road/trail to access the east part of property.

Introduction

In 1990, a new logging road (now named Magone Road) made this area accessible for exploration. As a result, amethyst veins were discovered in bedrock at a small waterfall beside the new road on an unnamed creek (Amethyst Creek), approximately 9 km east of Hwy 527. Subsequently, a few local (Thunder Bay) prospectors staked mining claims on the prospective ground. Most of the Amethyst Creek Deposit has been covered by staked claims since the original discovery.

Current mining claim holders on this deposit are: A. Siltamäki (this author), S. Grieve, A. Hietapakka

Topography and Vegetation

The area of the Amethyst Creek Property 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 soil and humus over glacial till, gravel and boulders. Muskeg is present in low ground and along the intermittent streams and beaver ponds. Some of the logged areas are over 25 years old and are now grown in with natural secondary growth or the planted softwoods (jack pine) in the southwest part of claim 4221448.

Geology

The area is predominantly underlain by Precambrian-age Archean felsic intrusive rocks of the MacKenzie Stock and Penassen Lakes Stock, mostly pink granite (monzonite?) with occasional, local syenitic phases. Interspersed

among the intrusive rocks are small areas of gray metasedimentary rock (quartz/mica schist) which is a common lithology north of the claims area. A main east-north-east trending fault strikes through the center of the mining claims. On the south side of this fault, the rocks are mainly granite, whereas, along the fault and north of it, there is an intermingling of both rock types. Brecciation is evident in numerous locations along the fault zone.

Mineralization

Amethyst and quartz occur along the main fault as hydro-thermal deposits filling fractures in the intrusive granite as well as the adjacent metasedimentary quartz-mica schist. Diverse colours of quartz and amethyst are present as veins, crystallized in vugs and in brecciated zones. Other minerals observed as inclusions in the amethystine quartz are hematite (common for the amethyst deposits of the Thunder Bay area), silvery-metallic needles of possibly rutile, goethite, or marcasite?, disseminated pyrite and chalcopyrite. Minor malachite was seen as staining or coating of some fractures where disseminated chalcopyrite was present. A little barite was also found in some of the veins. The vein zone at the Amethyst Creek Deposit is over 400 meters wide in the west part and over 3800 meters in length extending from Amethyst Creek in the west to beyond claim 1194773 to the east.

Previous Work (2009 – Present)

Previous physical work consisting of prospecting, manual overburden-stripping, manual trenching and sampling has been reported by this author for claims 4221448, 4249813 and 4251311.

Current Work (2015-2016)

Prospecting, GPS tracking of traverses and marking of amethyst occurrences, cutting brush and small trees for access trail to work sites on claim 4251311. (refer to maps for traverses and occurrence locations)

(refer to work log for dates, personnel, work performed, costs)

Equipment Used

Transporting: GMC VANDURA 2500

YAMAHA BIG BEAR 350 ATV

Work Tools: Husqvarna 365 chain saw

Stihl FS 55 brush saw

Fiskars brush hook, pruning loppers, Geotul, prospector pick, chisel

GPS unit: GARMIN *GPSmap 62s*

Camera: Canon *PowerShot A590 IS*

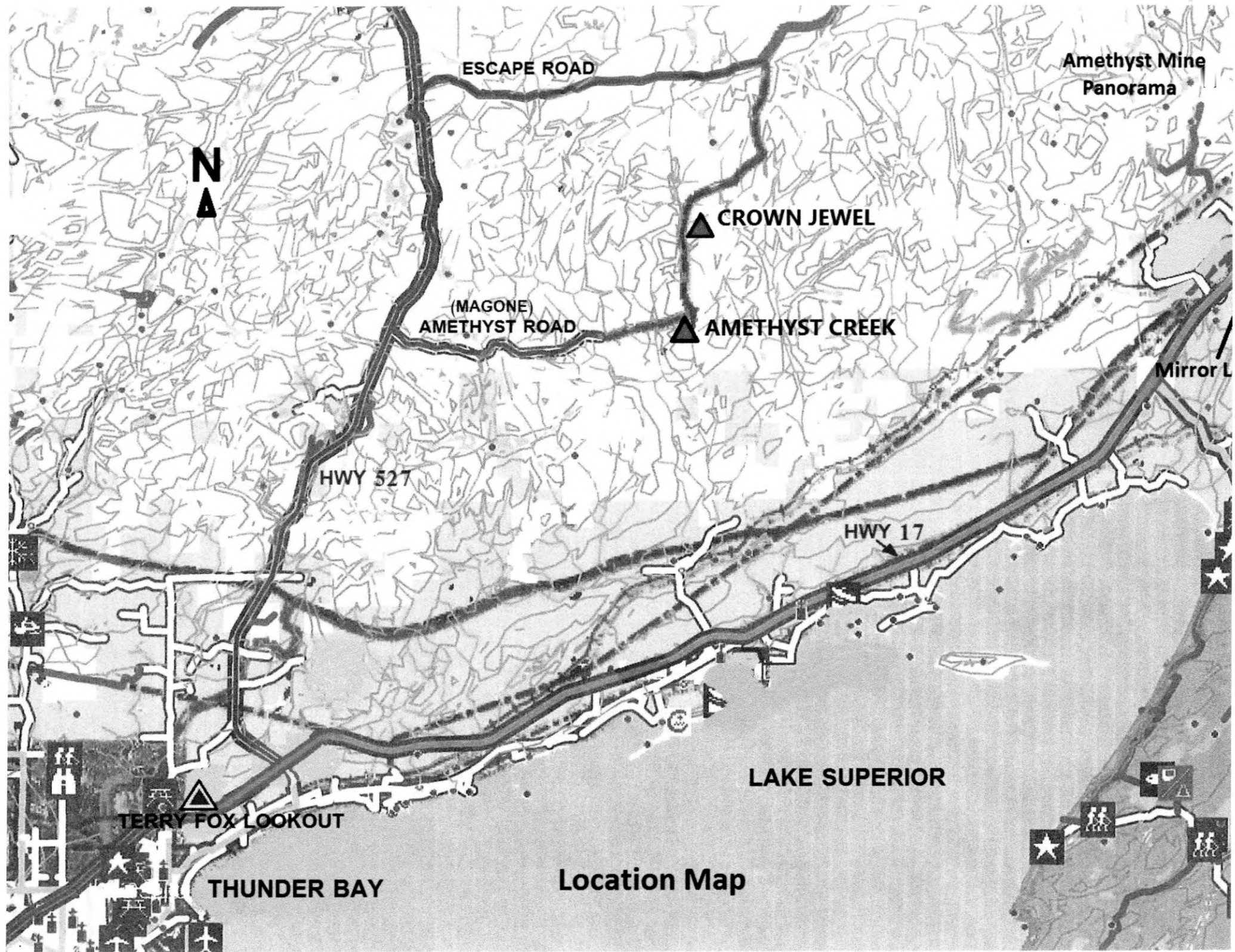
Recommendation

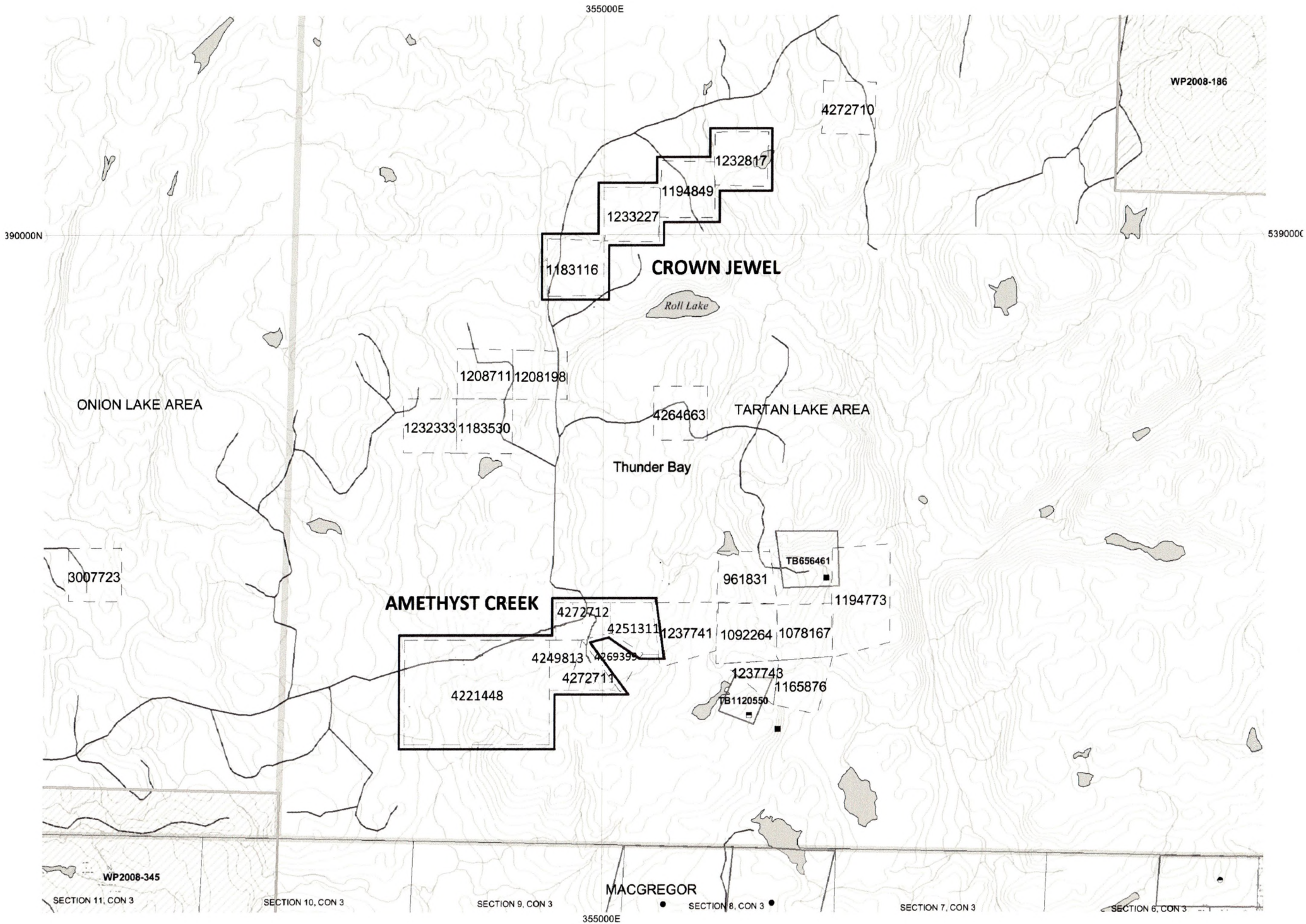
Further work is warranted to determine if an economic mineral deposit is present.

Report prepared by: Aki K. Siltamäki

Client number: 194389

Prospector Licence number: E33284





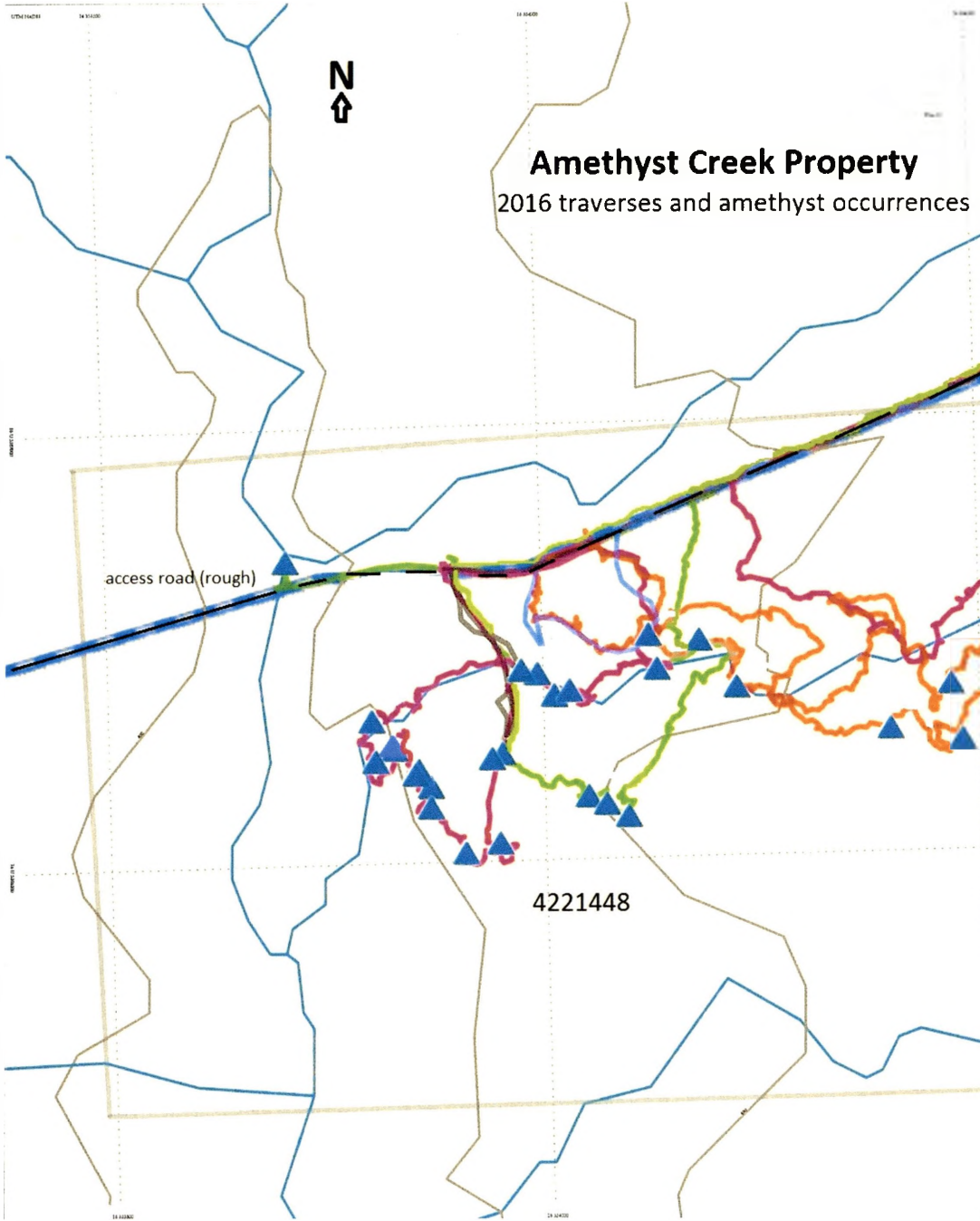
Amethyst Creek Property

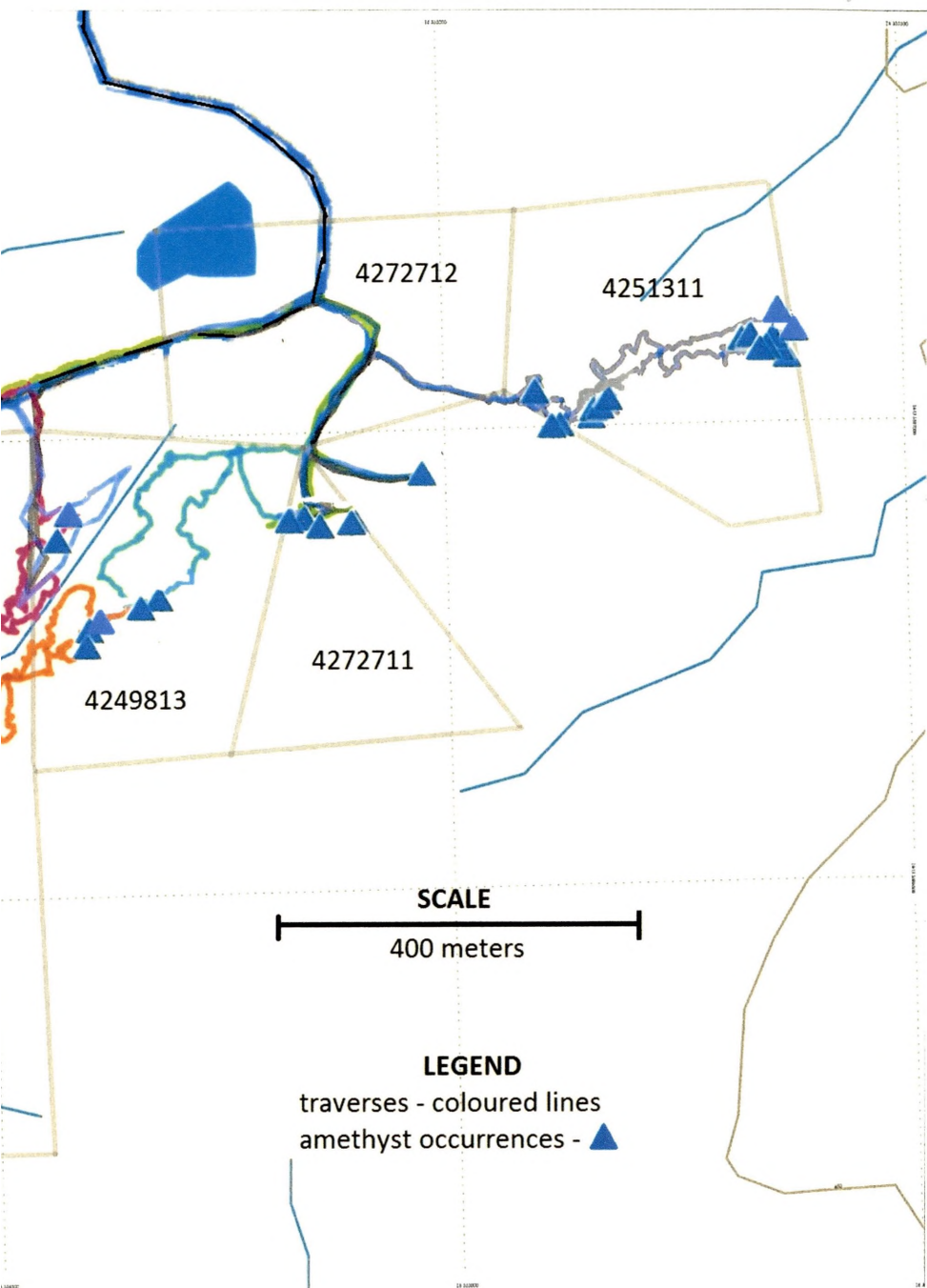
2016 traverses and amethyst occurrences



access road (rough)

4221448





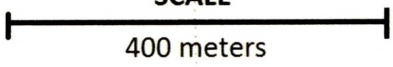
4272712

4251311

4272711

4249813

SCALE



400 meters

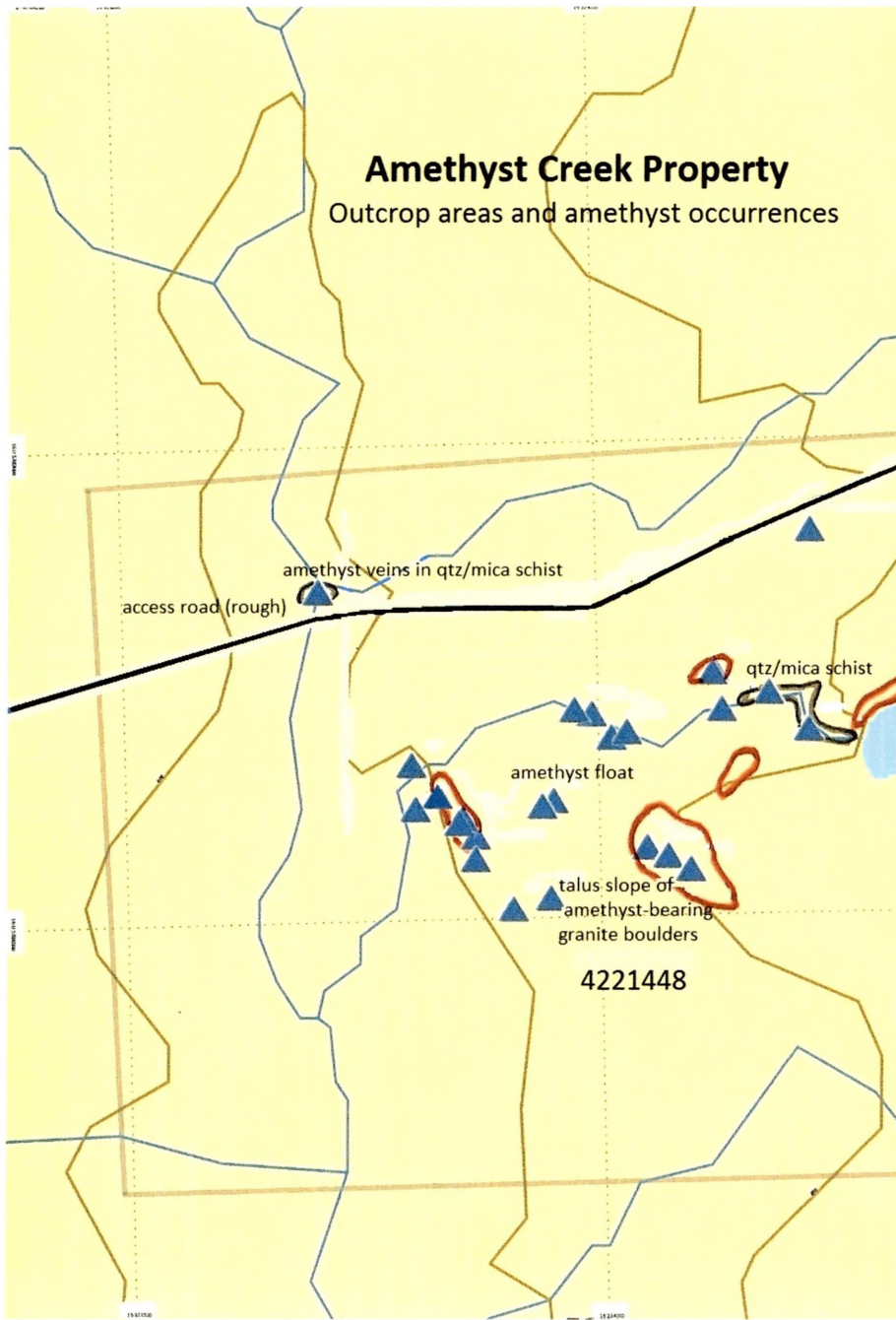
LEGEND

traverses - coloured lines

amethyst occurrences - ▲

Amethyst Creek Property

Outcrop areas and amethyst occurrences



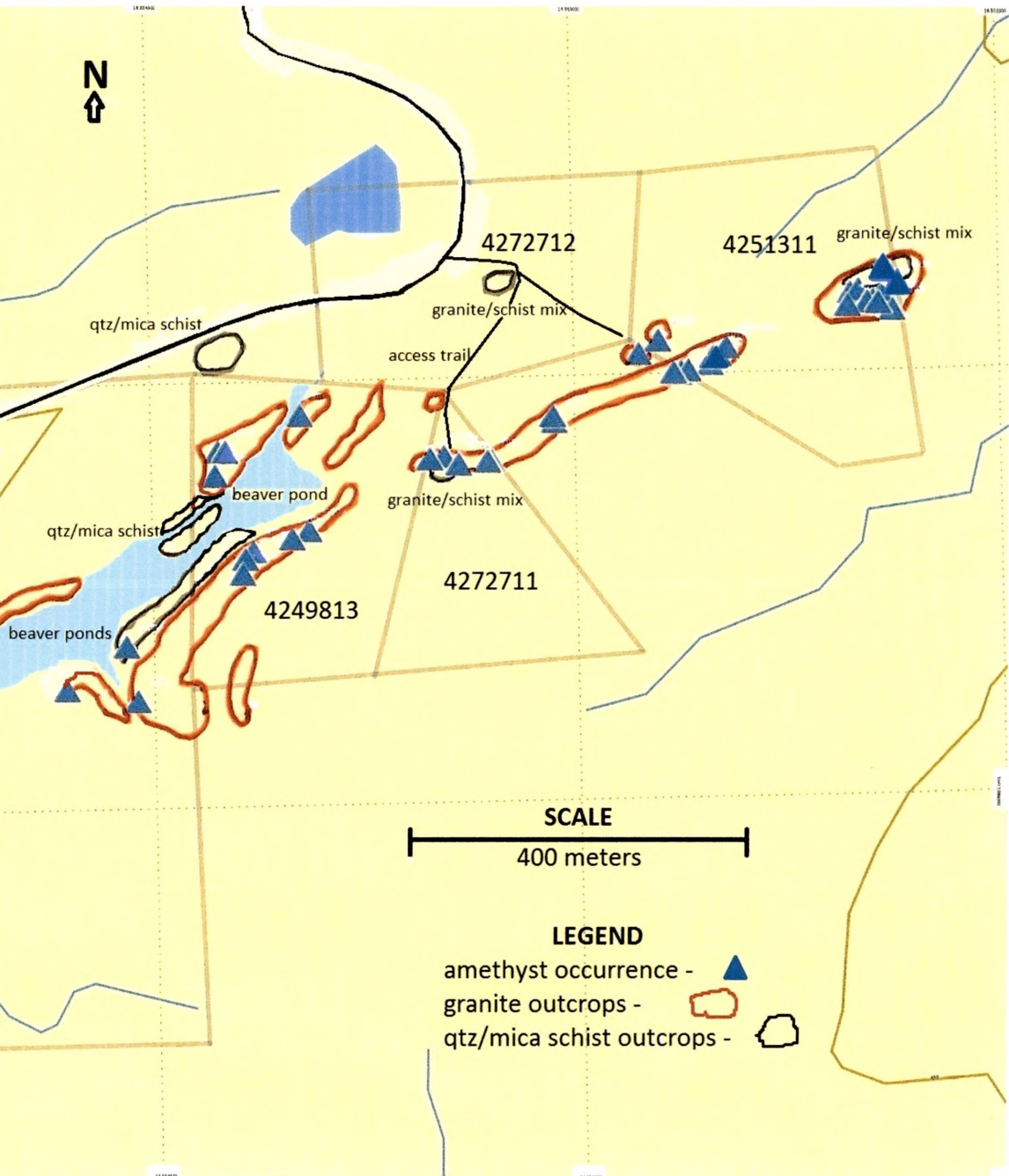
amethyst veins in qtz/mica schist
access road (rough)

amethyst float

talus slope of
amethyst-bearing
granite boulders

qtz/mica schist

4221448





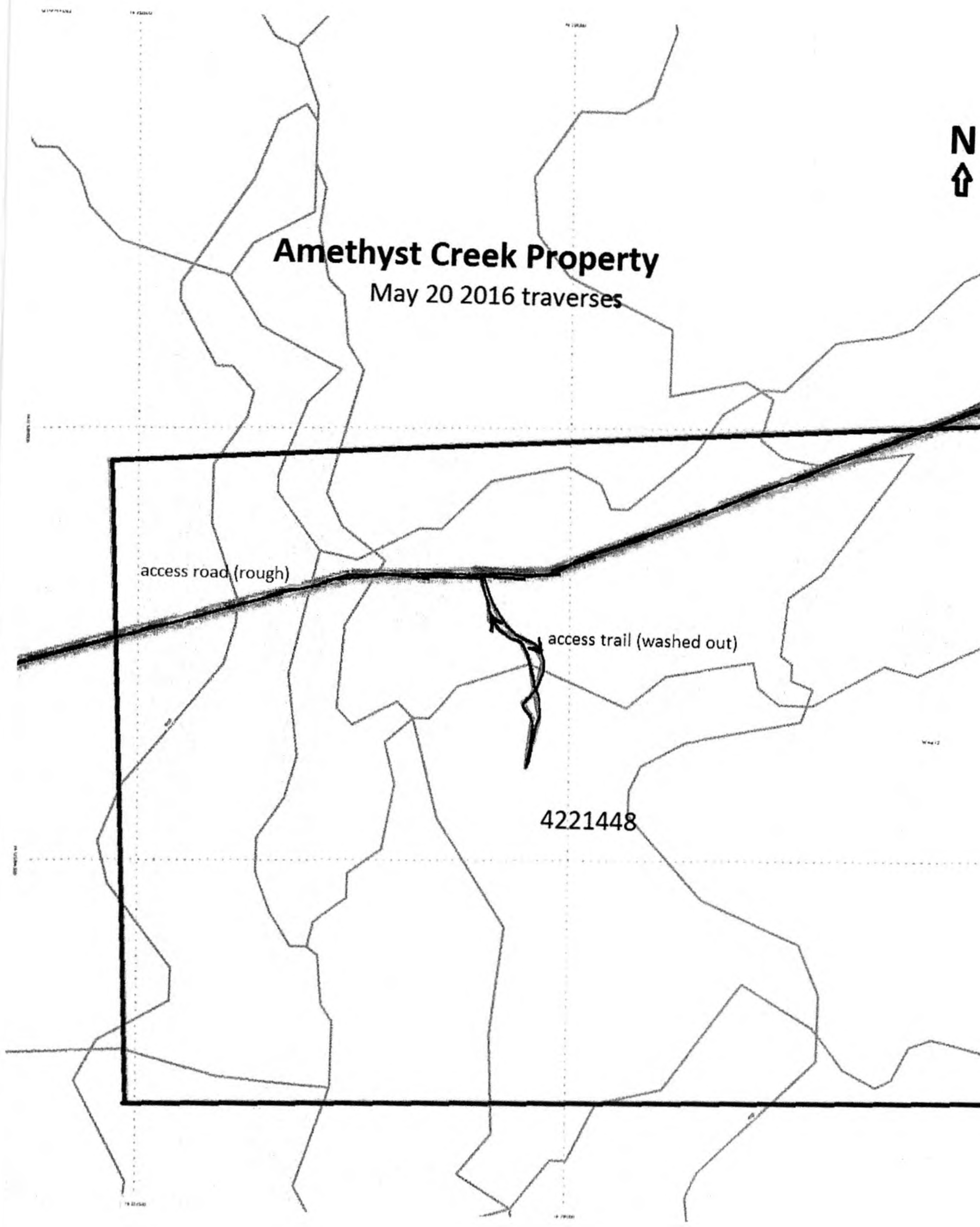
Amethyst Creek Property

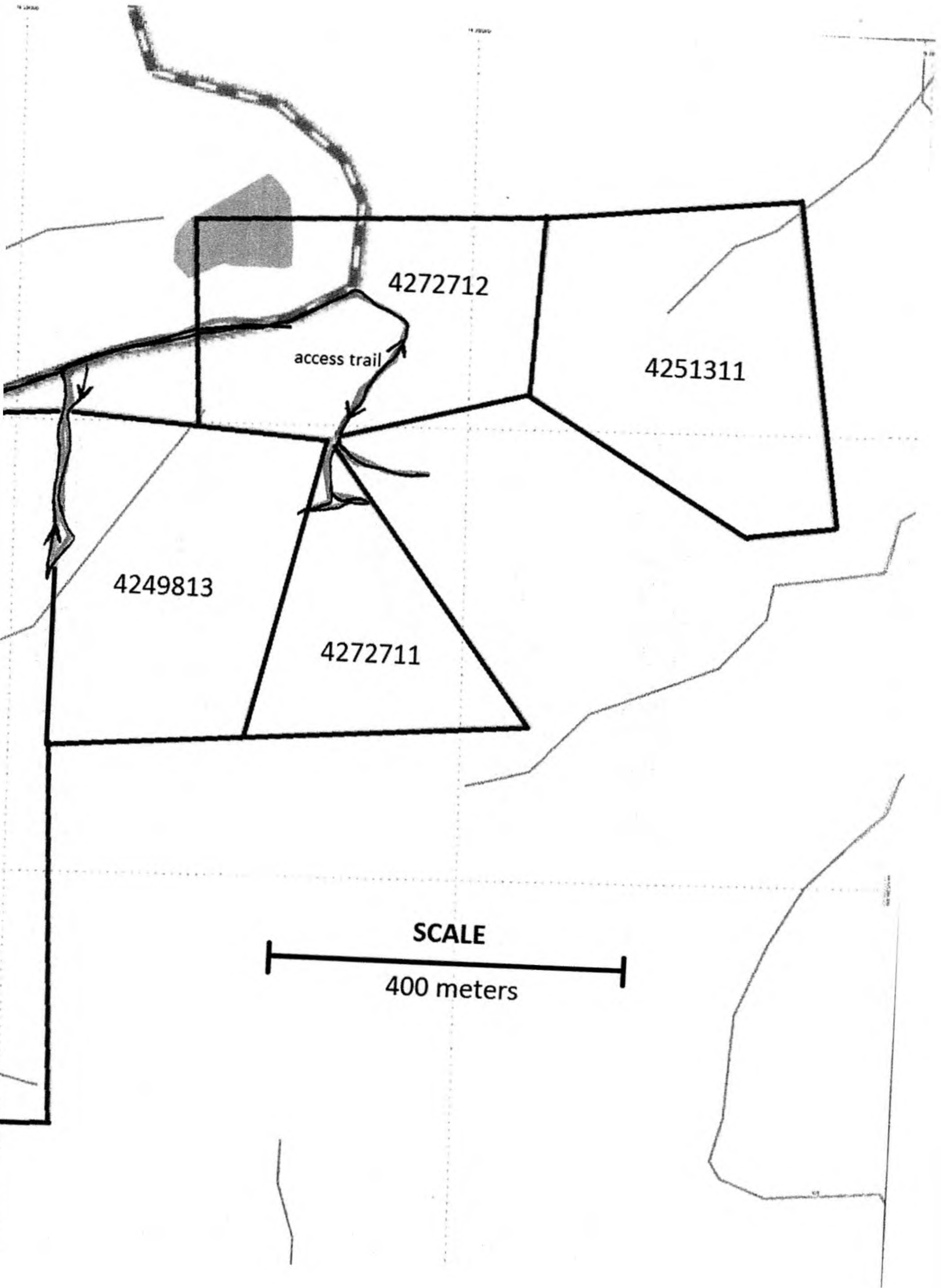
May 20 2016 traverses

access road (rough)

access trail (washed out)

4221448





4272712

4251311

access trail

4249813

4272711

SCALE

400 meters

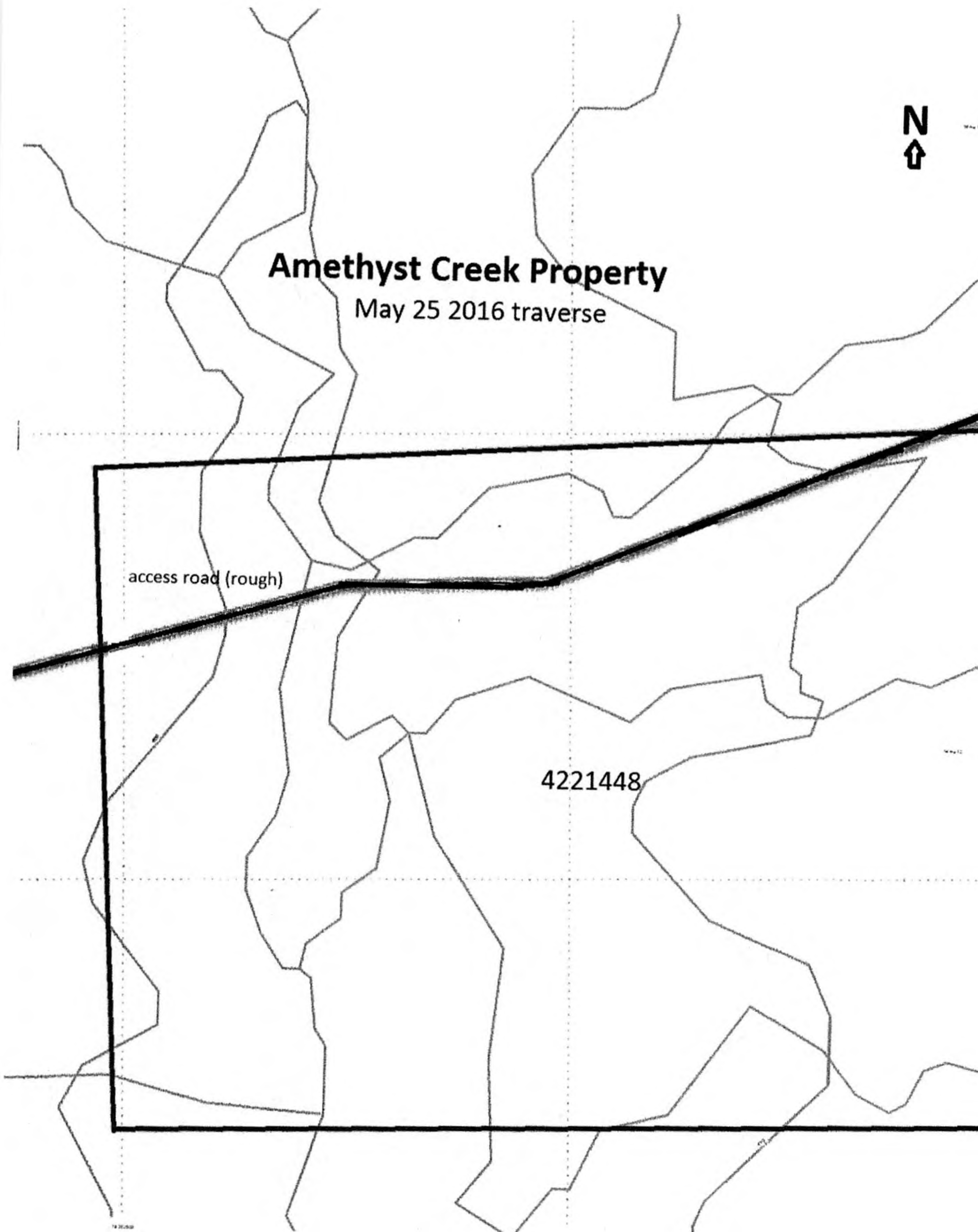


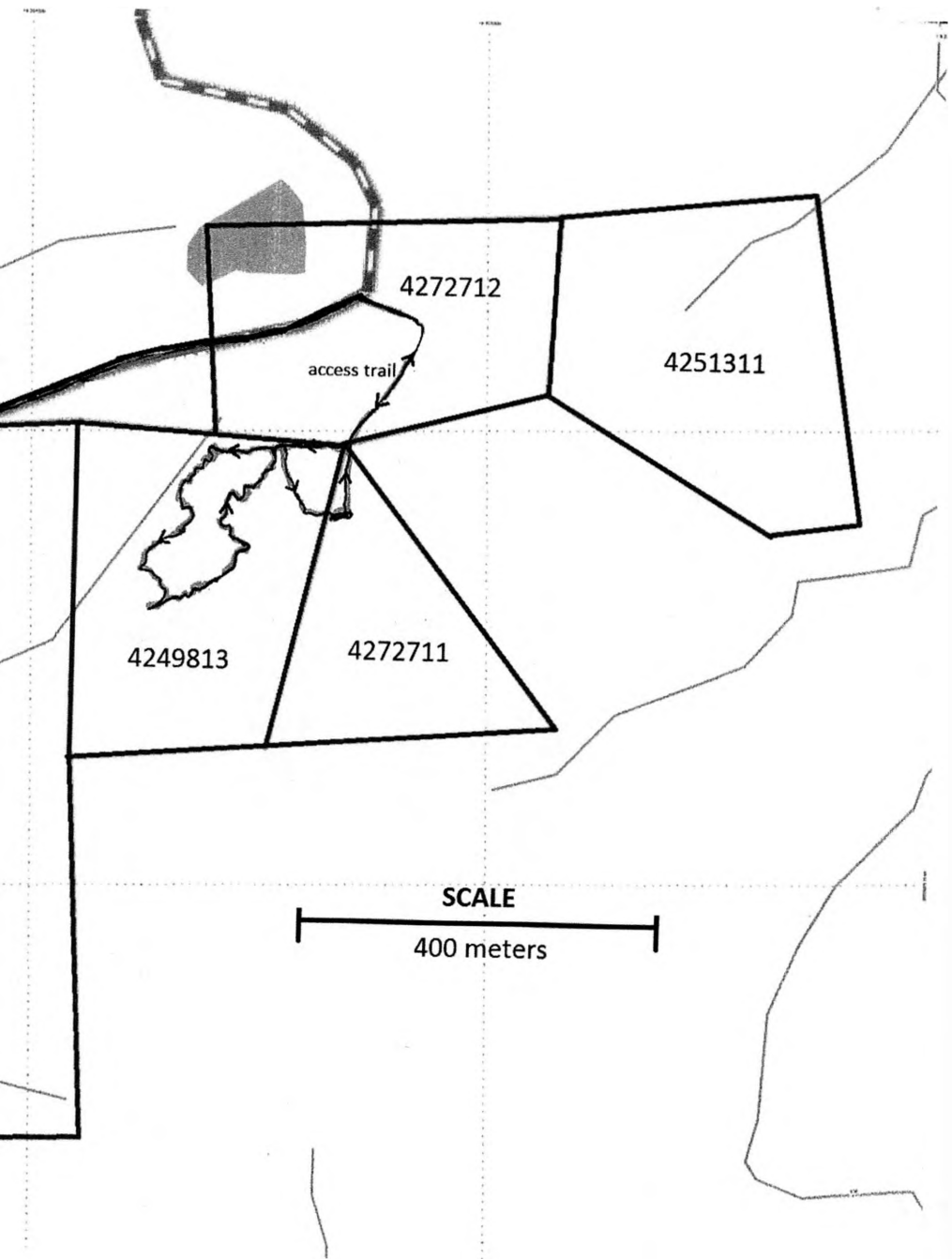
Amethyst Creek Property

May 25 2016 traverse

access road (rough)

4221448





4272712

4251311

access trail

4249813

4272711

SCALE

400 meters

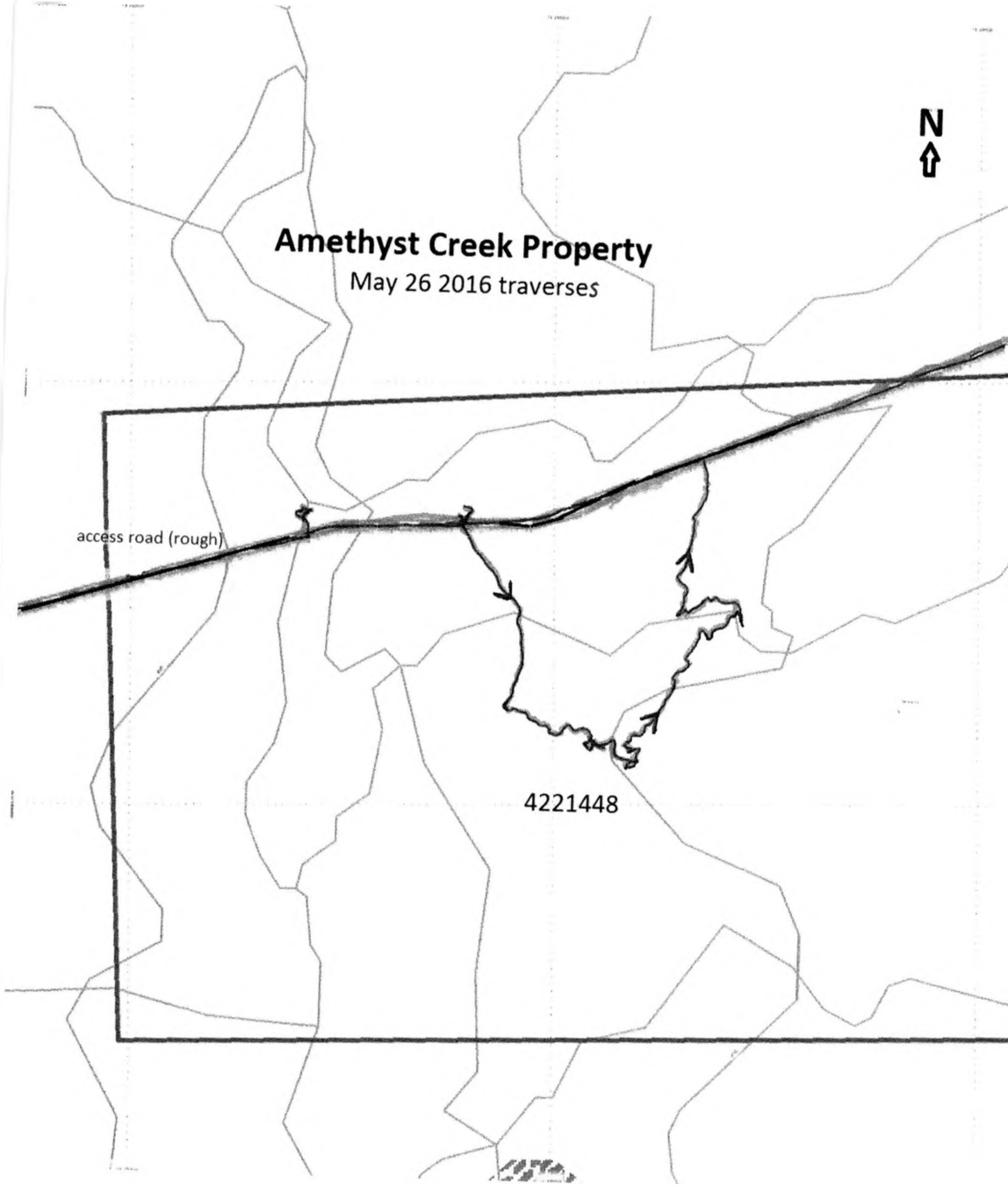


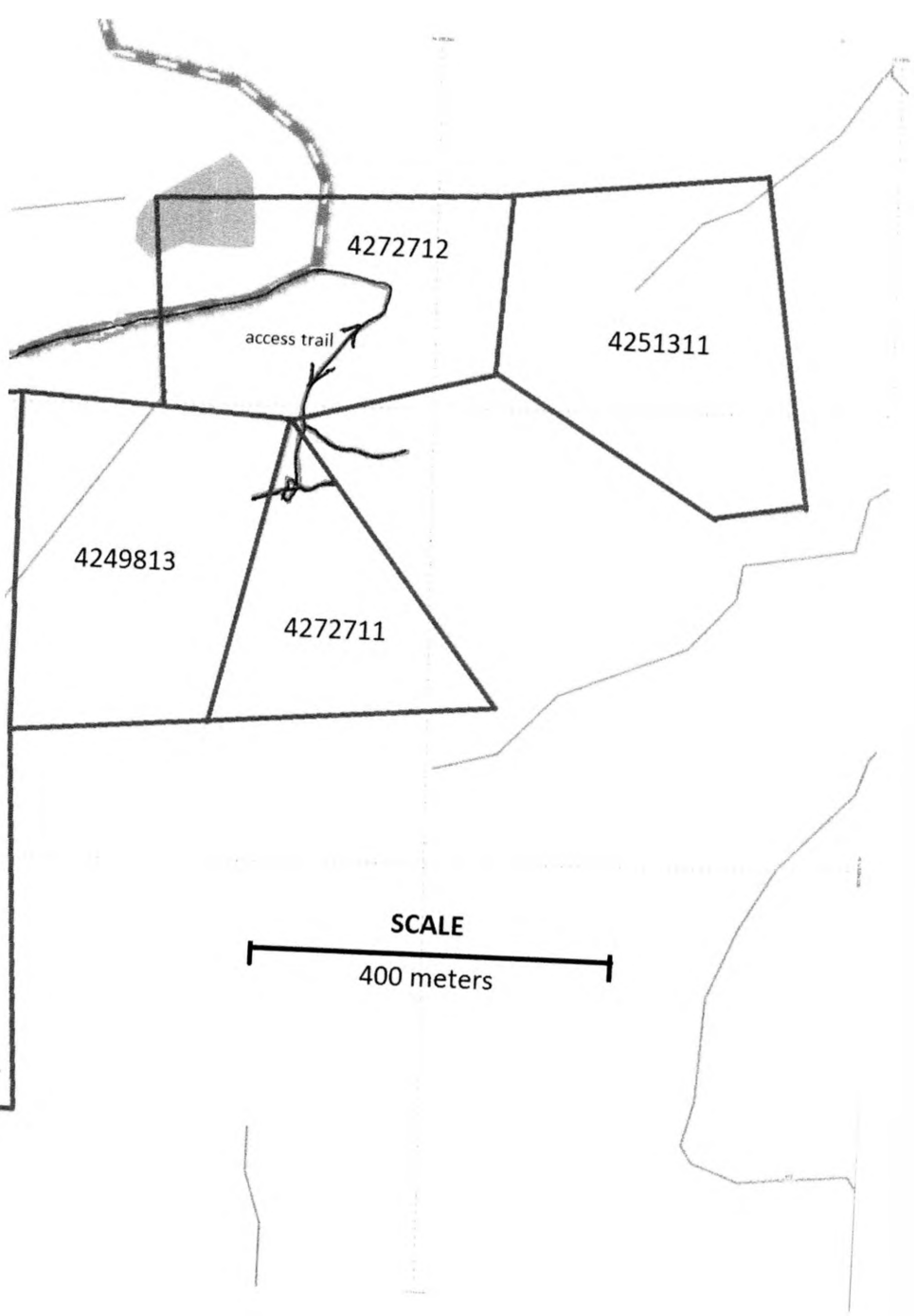
Amethyst Creek Property

May 26 2016 traverses

access road (rough)

4221448





4272712

4251311

access trail

4249813

4272711

SCALE

400 meters

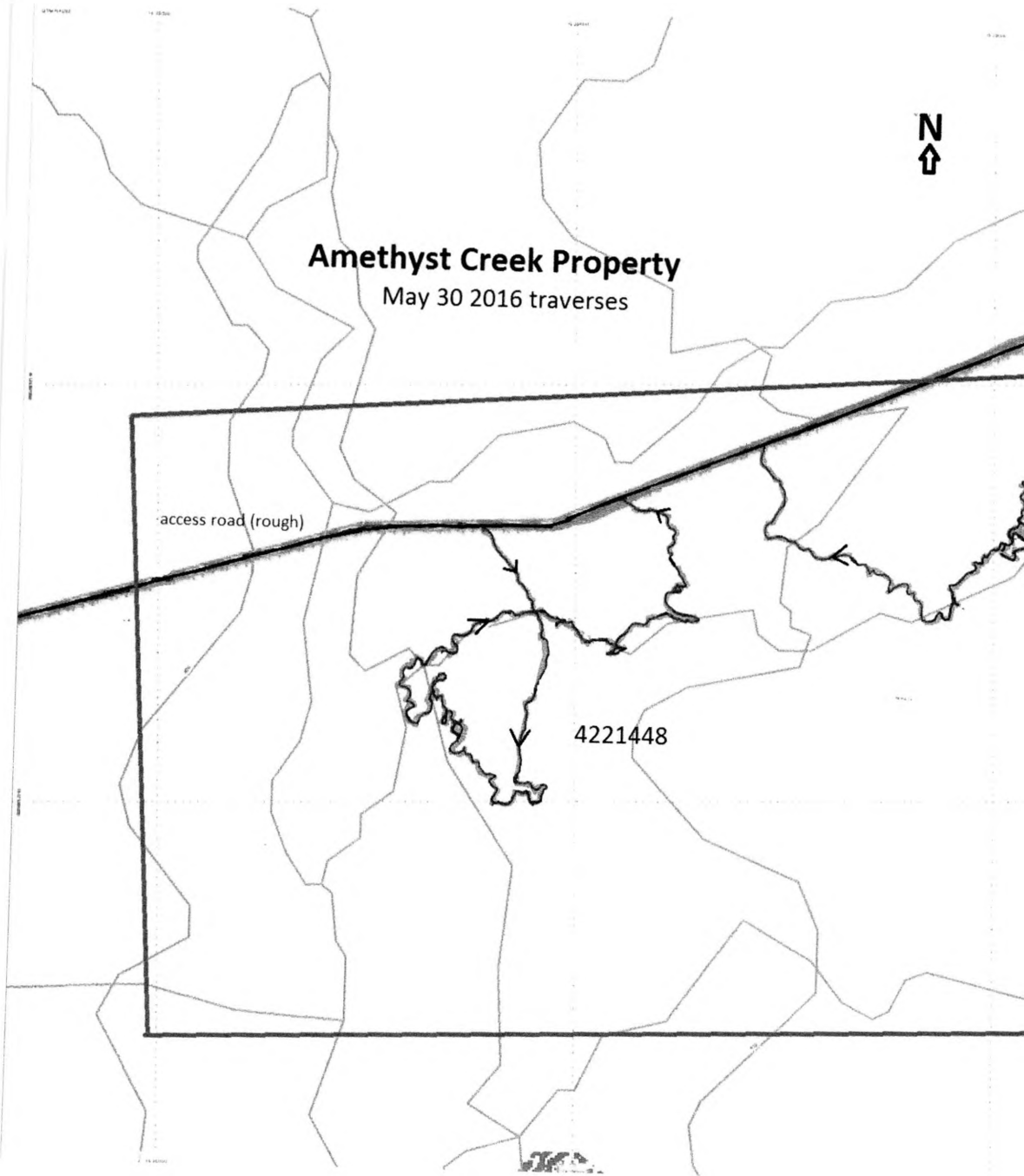


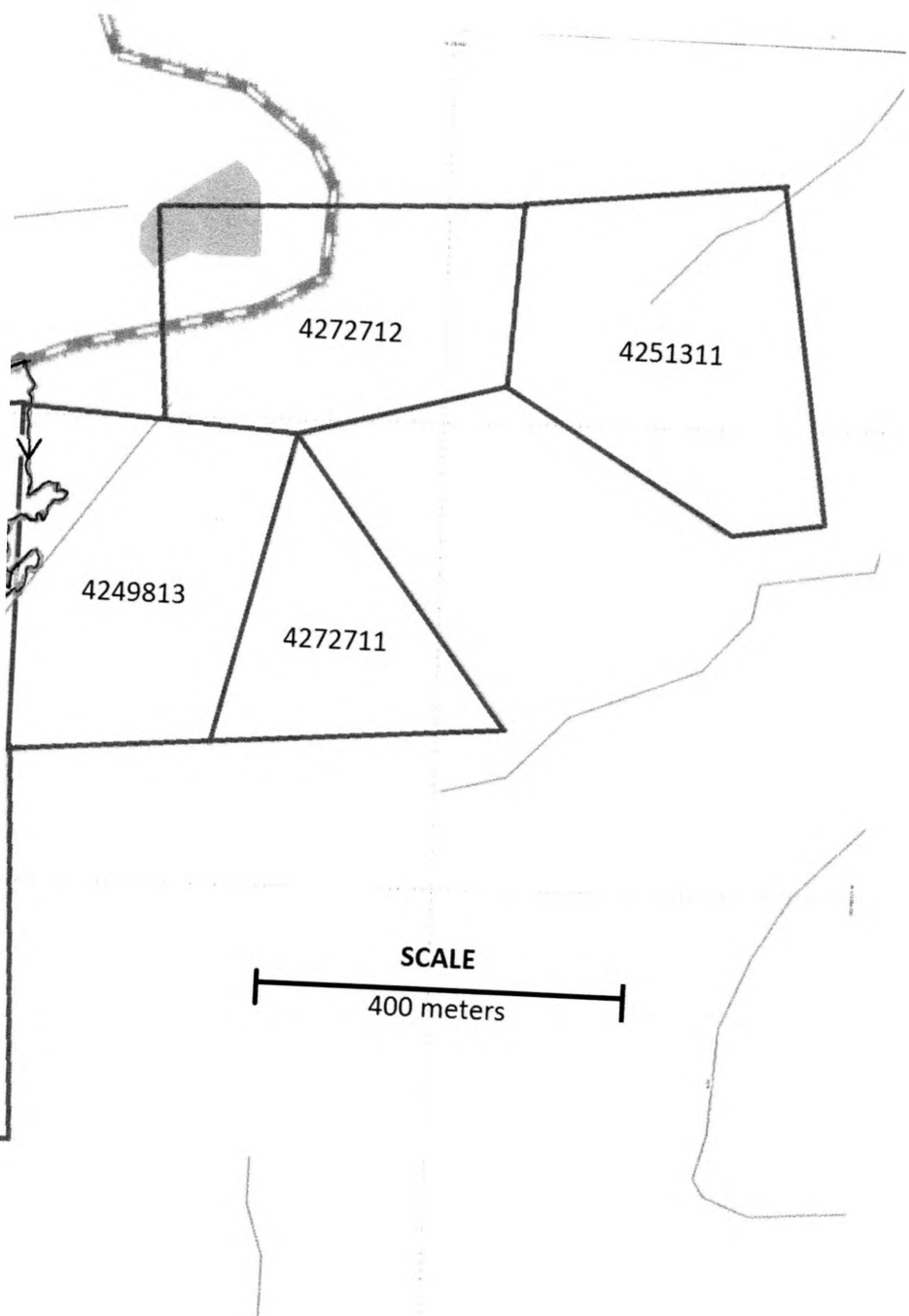
Amethyst Creek Property

May 30 2016 traverses

access road (rough)

4221448





4272712

4251311

4249813

4272711

SCALE

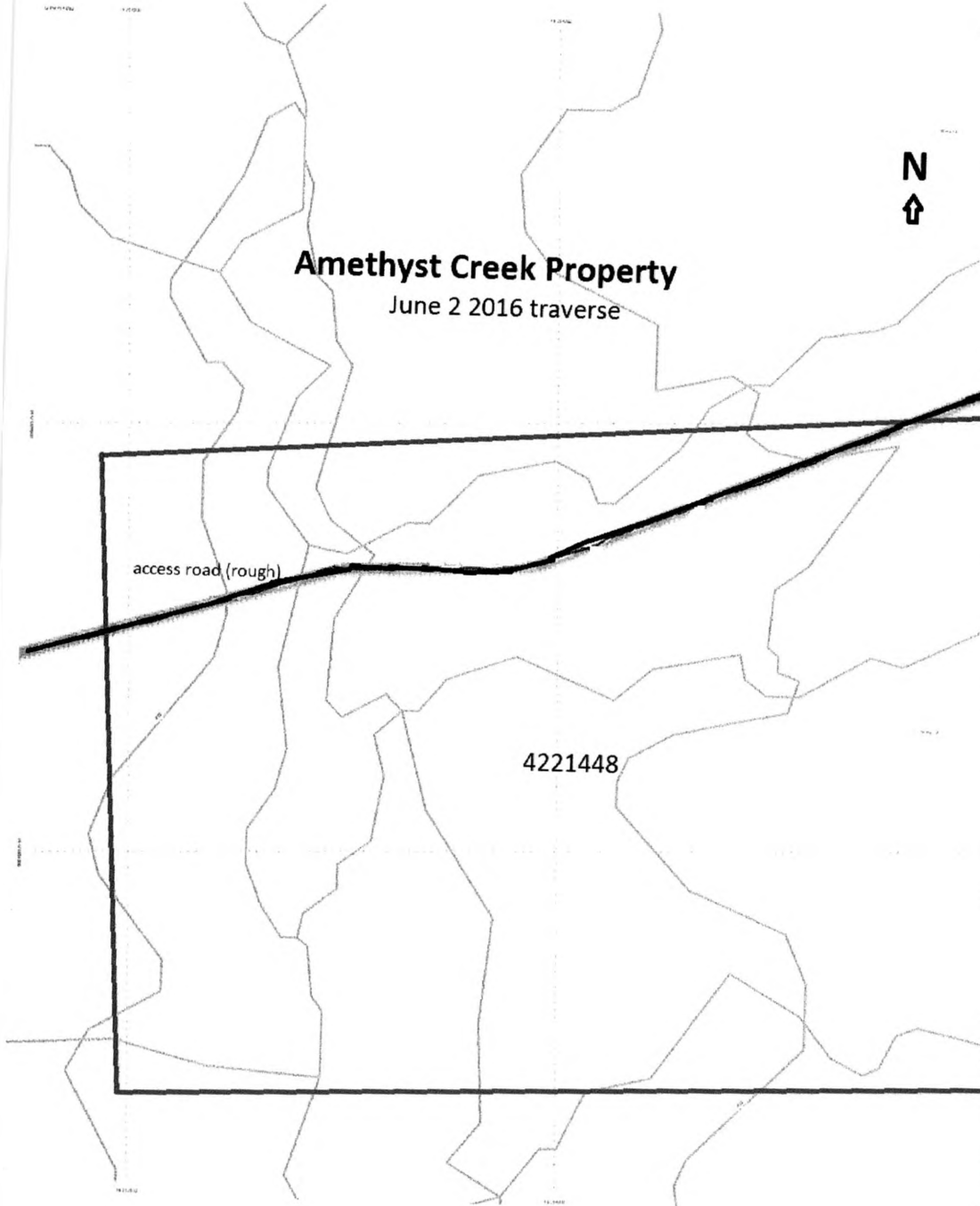
400 meters

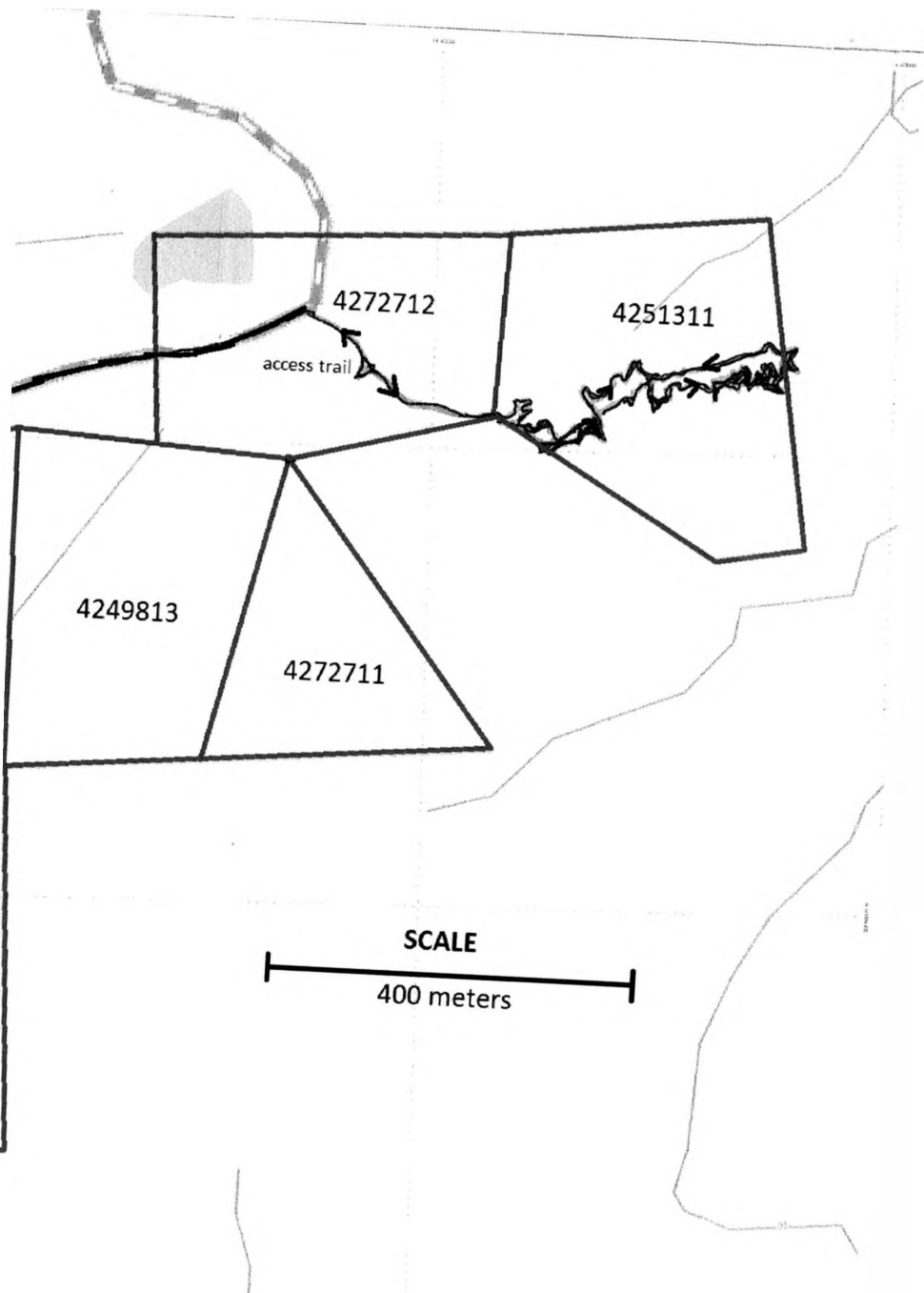


Amethyst Creek Property
June 2 2016 traverse

access road (rough)

4221448





4272712

4251311

access trail

4249813

4272711

SCALE

400 meters



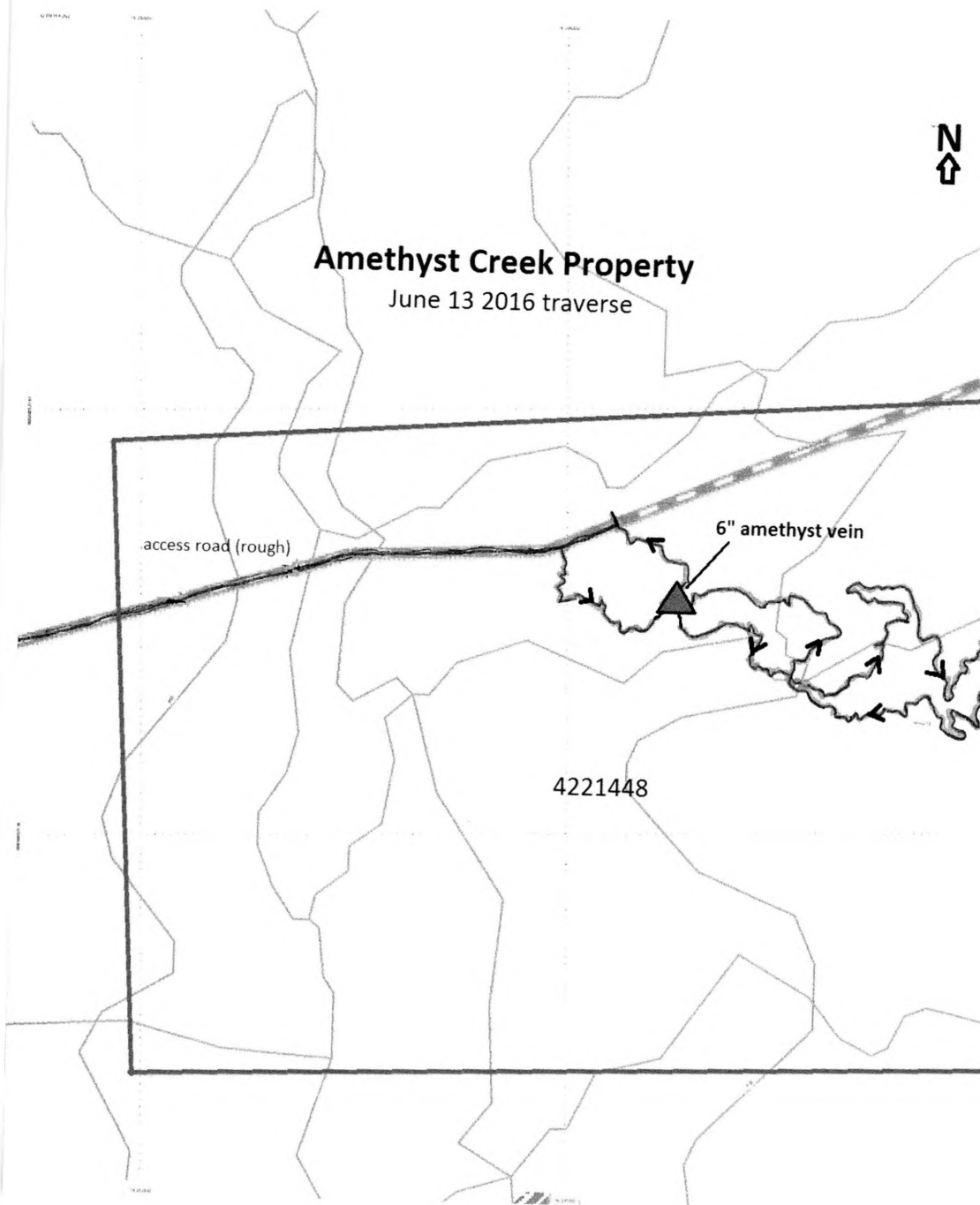
Amethyst Creek Property

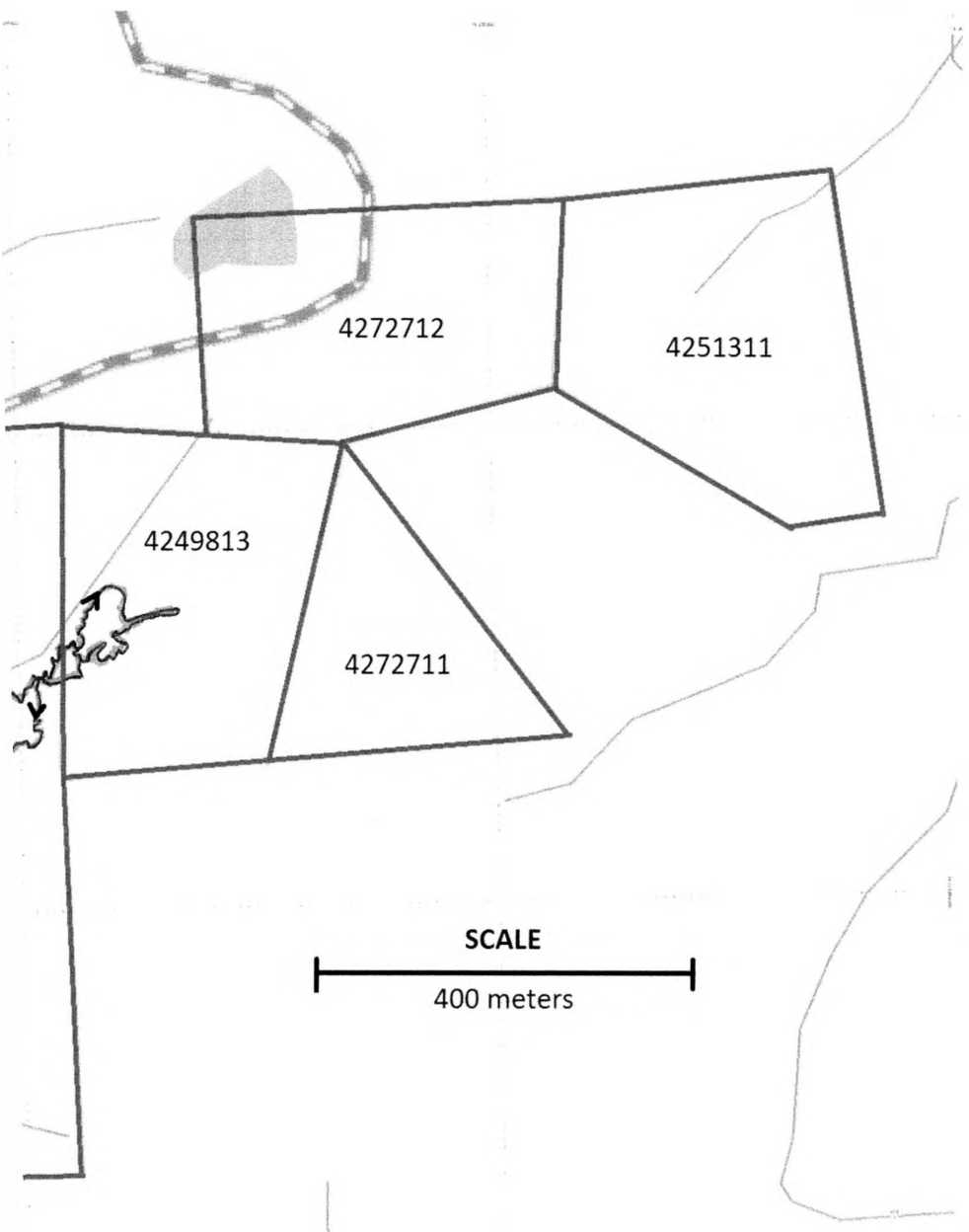
June 13 2016 traverse

access road (rough)

6" amethyst vein

4221448





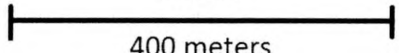
4272712

4251311

4249813

4272711

SCALE



400 meters

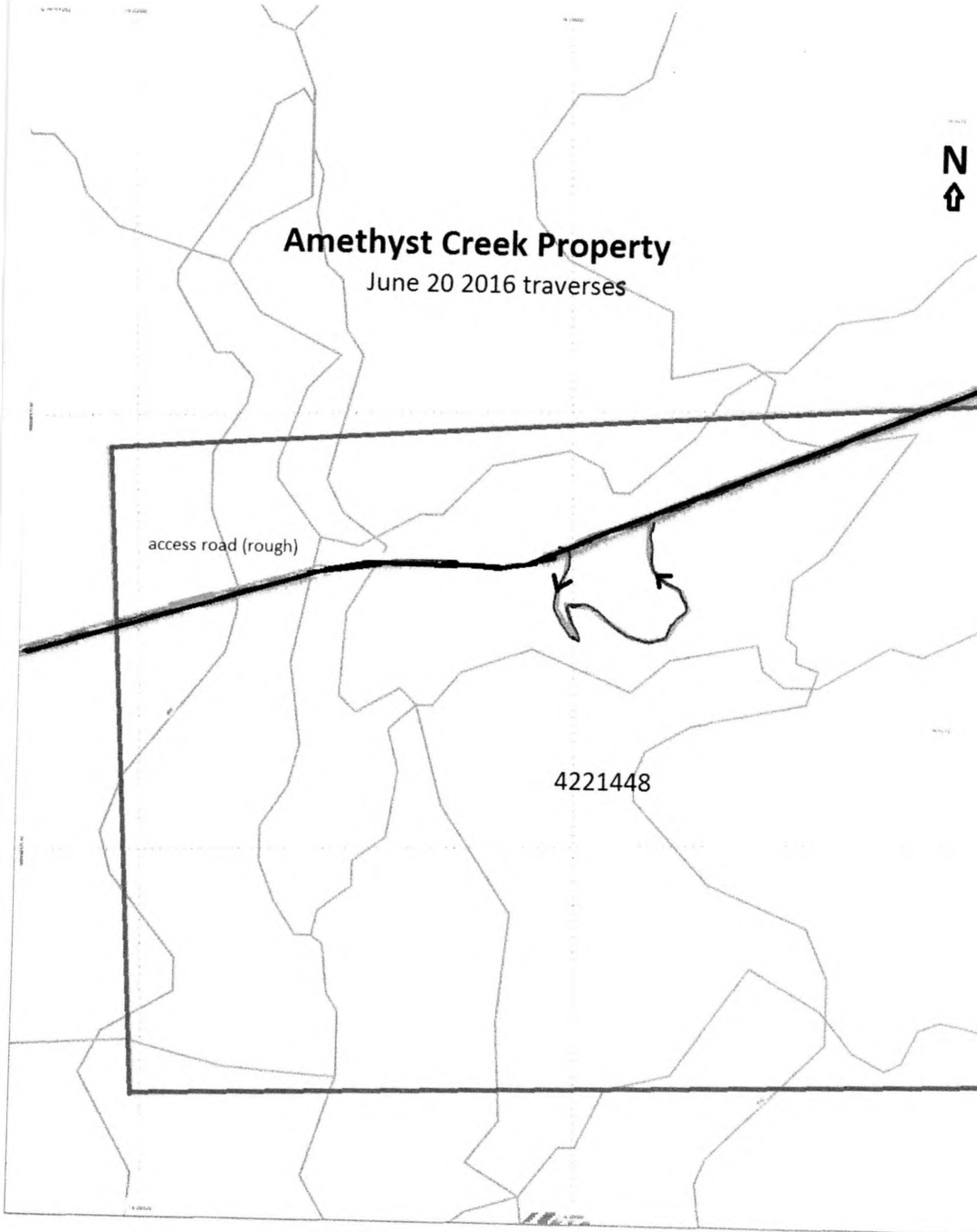
Amethyst Creek Property

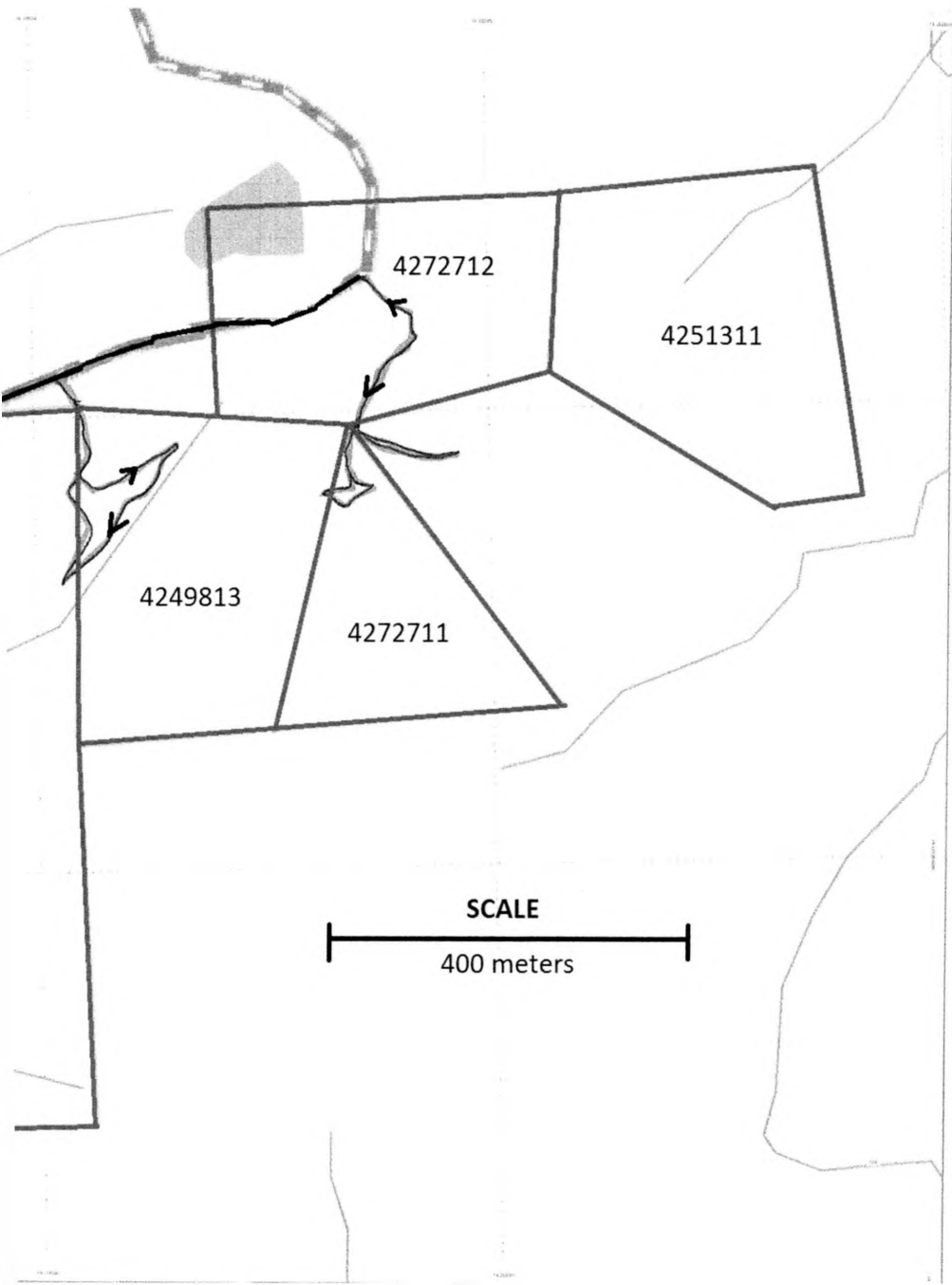
June 20 2016 traverses



access road (rough)

4221448





4272712

4251311

4249813

4272711

SCALE

400 meters

1700000 1800000

1800000



Amethyst Creek Property

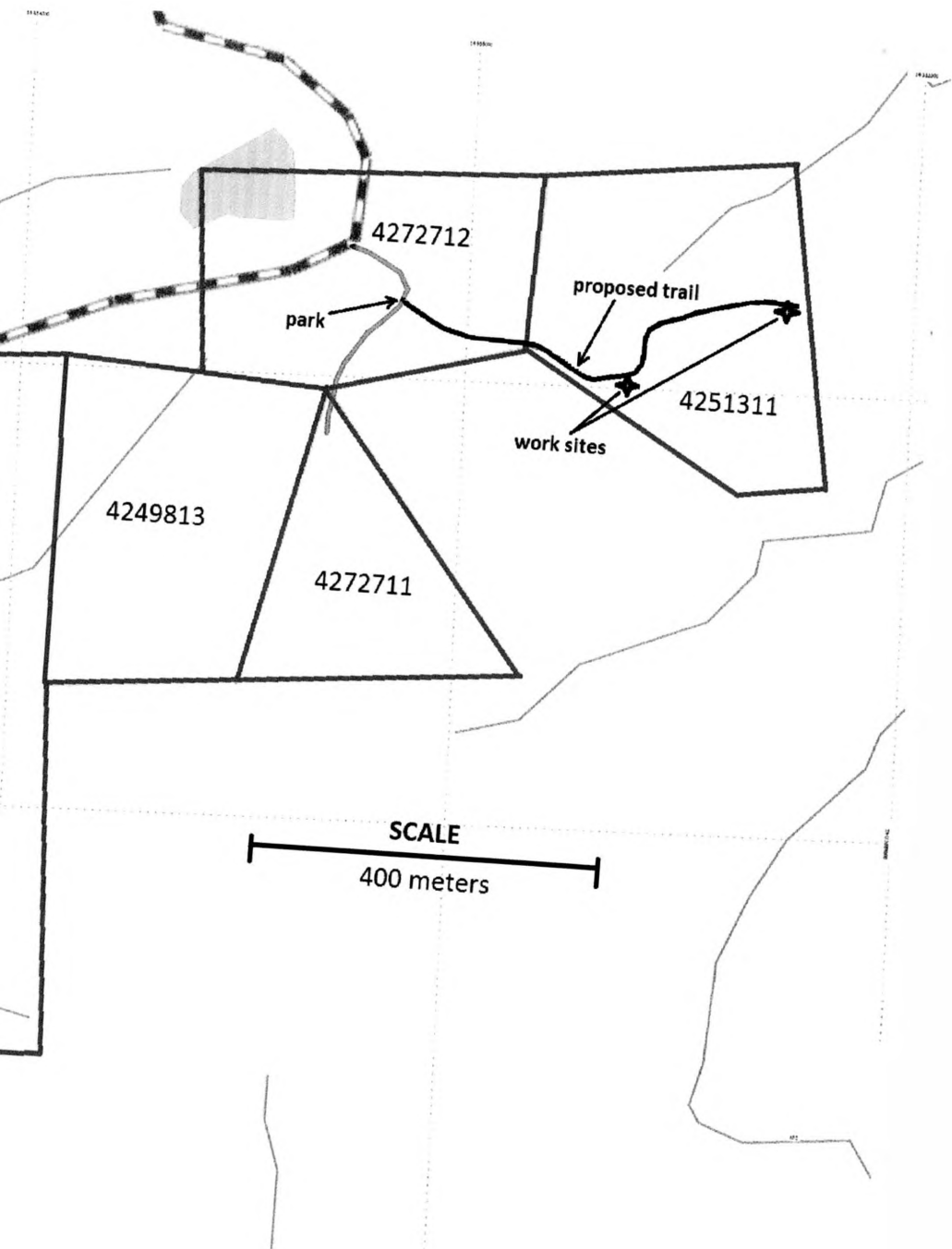
Aug 23 2016

- trail planning traverse

access road (rough)

4221448





amethyst Creek

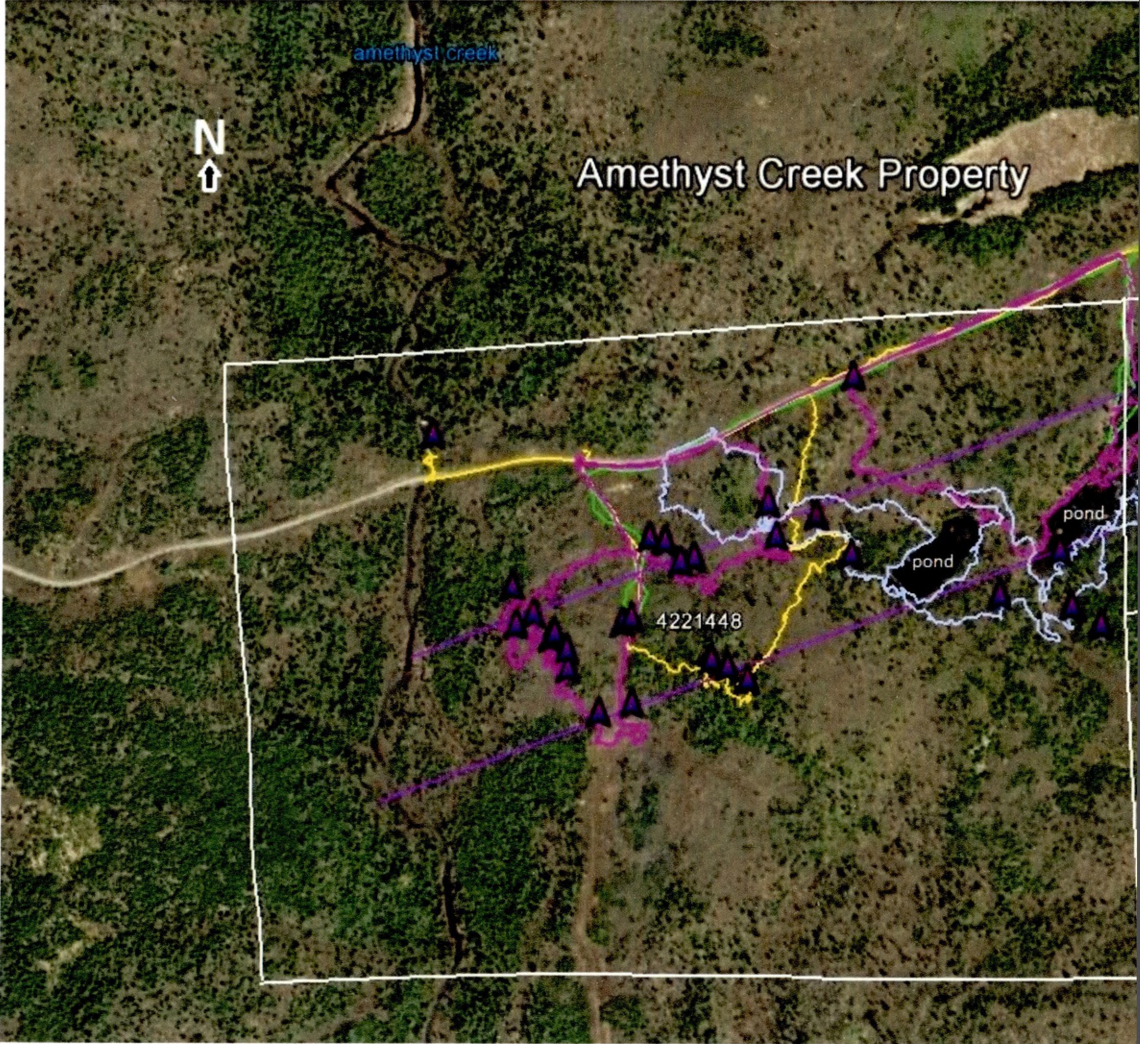


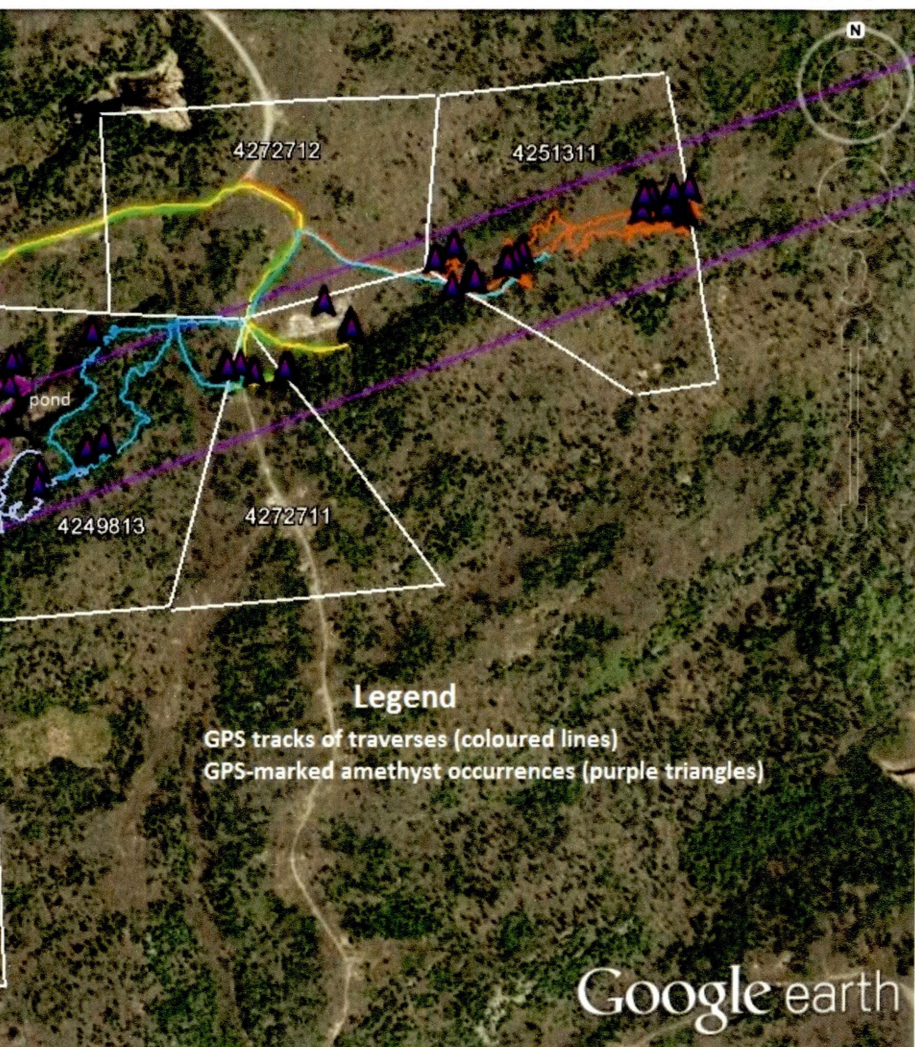
Amethyst Creek Property

pond

pond

4221448





Amethyst Creek Property Work Log 2015 - 2016

Date	Claim	Work Type	Personnel	Work Performed	Days	Equipment Used	Daily rates					Costs
							Labour	Motor Vehicle	ATV	Chain saw	Brush saw	
Oct 22/15	4221448	Physical	A. Siltamäki	re-cut claim lines west of Amethyst Creek	1 @ 50%	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , Suunto compass, FISKARS brush hook	\$500	\$150				\$400
May 20/16	4221448	Prospecting	A. Siltamäki	prospecting traverses	1	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , ESTWING prospector pick	\$500	\$150				\$650
"	"	"	V. Bowns	"	1	TOYOTA 4X4, prospect tools	\$450	\$150				\$600
May 24/16	4251311	Physical	A. Siltamäki	re-cut claim lines and prospect/sample at east line area	1	GMC VANDURA 2500, FISKARS brush hook, GARMIN <i>GPSmap 62s</i> , ESTWING prospector pick	500	150				650
May 25/16	4249813	Prospecting	A. Siltamäki	prospecting traverse	1	GMC VANDURA 2500, Geotul, ESTWING prospector pick, chisel	500	150				650
May 26/16	4221448	"	A. Siltamäki	prospecting traverses	1	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , ESTWING prospector pick	\$500	\$150				\$650
"	"	"	N. Dicks	"	1	FORD F250 4X4 Truck, prospect tools	\$450	\$150				\$600
"	"	"	J. Hochins	"	1	"	\$450	n/a				\$450
May 30/16	4221448	"	A. Siltamäki	prospecting traverses	1	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , Geotul	\$500	\$150				\$650
"	"	"	N. Dicks	"	1	FORD F250 4X4 Truck, prospect tools	\$450	\$150				\$600
"	"	"	J. Hochins	"	1	"	\$450	n/a				\$450
June 2/16	4251311	"	A. Siltamäki	prospecting traverse along both sides of fault...	1	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , ESTWING prospector pick	500	150				650
"	"	"	"	GPS tracking and marking occurrences								
June 3/16	4251311	Physical	A. Siltamäki	brush-cutting old access trail and plan/flag...	1	GMC VANDURA 2500, YAMAHA BIG BEAR 350 atv, STIHL FS 55 brush saw, GARMIN <i>GPSmap 62s</i>	500	150	85		45	785
"	"	"	"	new route to future work sites								
June 5/16	4251311	Physical	A. Siltamäki	cutting access trail to future work sites	1	GMC VANDURA 2500, YAMAHA BIG BEAR 350 atv, HUSQVARNA 365 chain saw, GARMIN <i>GPSmap 62s</i>	500	150	85	45		785
June 13/16	4221448	Prospecting	A. Siltamäki	prospecting traverse to south side of beaver ponds	1	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , ESTWING prospector pick	\$500	\$150				\$650
June 20/16	4221448	"	A. Siltamäki	prospecting traverses	1	GMC VANDURA 2500, GARMIN <i>GPSmap 62s</i> , Geotul	\$500	\$150				\$650
"	"	"	T. Jokela	"	1	DODGE CARAVAN, prospecting tools	\$450	\$150				\$600
"	"	"	L. Macfadden	"	1	"	\$450	n/a				\$450
Aug 23/16	4251311	Prospecting	A. Siltamäki	prospecting traverse and planning access trail to work sites	1	GMC VANDURA 2500	500	150				650
Aug 27/16	4272711	Prospecting	A. Siltamäki	prospecting/digging at showings along S. side of fault	1	GMC VANDURA 2500, prospecting/digging tools	500	150				650
"	"	"	W. Rogers	"	1	Volkswagen Tuareg, prospecting/digging tools	450	150				600
"	"	"	H. Rogers	"	1	"	450	n/a				450
"	"	"	J. Perron	"	1	"	450	n/a				450
Fin Sep 13/16			A. Siltamäki	Work Report Preparation (accumulated hours/days)	5		\$2,500	n/a				\$2,500
											Total	\$16,220

