

2 - 55617

Blasting/Prospecting Report on Claim No. 4265719

Thunder Bay Mining Division

May 28 to June 04, 2014

by

Larry Kowtuski

Norwich, Ontario

December 29-2014

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## **Introduction**

This report covers the Blasting/Prospecting work carried out from May 28, 2014 to June 04, 2014 on claim No. 4265719 located north east of Thunder Bay. This work was performed under Exploration Permit No. PR-13-10160-A

## **Location and Property Description**

Claim No. 4265719 is a single unit staked for this author in November-2011 and is located north of Pearl On from highway #17 near Thunder Bay, Ont. This claim is contiguous with 3 other single claim units (4267144, 4269322, 4269324), all recorded 100% in the authors name, client #401973

See LSM 2, claims map.

Access is by seasonal gravel road (Pearl Rd #5 north of hwy 17 at Pearl, On.) Cross over rail way tracks then turn left (west) and go north for about 1 kilometer and take the first left on a private road (the locals refer to this road as the "David Bac" road) for about 1 K, thru a private property gate and continue north, on crown land, between Sward lake and Pike lake, to claim # 4265719 (about 100 meters north of these lakes) This road dead ends on my claims. I am also the surface rights owner of these four claims.

## **Blasting/Prospecting Report**

The purpose of this blasting/prospecting trip was to perform assessment work on claim #4265719, in my search for amethyst.

The original intention was to rock drill, blast, and strip the upper area of the eastern part of the 100 meter ridge where I have done previous work, see picture LSM 5:1

The area to be worked is directly above a platform area, with a slope rising sharply northward 20 to 30 meters to the top of a ridge. This flat "platform/parking" area is at the end of the access road.

The eastern area of this sloping face has shown the best amethyst occurrence's along this 100 meter ledge.

All work will start and stop at this platform location.

This author is present at all times of work, mostly in a supervisory role.

In this report the short form "amy" is used for amethyst.

Upon my arrival I first visited Blue Points Amythest mine, also at Pearl. Track drill operator was doing drilling at the quarry and he told me he had just finished drilling a similar job up the road at the Old Dan Bill Mine and said I should have a look. I visited that quarry and came back to him and discussed with him if he thought that method

would work for me, (similar to what one would see on highway construction: volume movement with less fly rock). I invited him to my exploration area to discuss drilling. He came over to discuss how blasting would work for me. This method, although more expensive short term, would be a lot faster, compared to multiple 4 foot hand drilling. We came to an agreement, laid out proposed drill hole locations (which I would have to clean to bedrock) and decided on access for his track drill. His machine would require a ramp on the east side of the pit/platform area and a trail up the western end of ridge and back to the most eastern end.

The original intent of this report changed to a blasting/prospecting report.

For the drill access work I hire Dan Arsenault RR #3 Thunder Bay, 1-807-621-4901 operating a John Deere 410C Back hoe for this project.

For the drilling and blasting I hire Bill Dietrich Blasting, 3331 hwy 11-17, Shuniah, On. 1-807-624-7953 His machine is a Furukawa HCR ES track drill (for 3 ½" holes)

On Wed May 28-14

Dan, on the hoe, & I start at 9.00 am, in the pit area, he starts to make a ramp, on the east side of the pit, for the drill while I pick up amy rocks in this area. See picture LSM 5-1 of work area at start of assessment work. The hoe brings in loose rock debris from the west end of ridge and gravel from the east end of access road. This lower access ramp starts at the "platform" area and up to the rock face. See picture LSM 5:7 of drill rig working on ramp. The ramp is finished about 1.00 PM.

He then moves to the far western lower ramp, (see picture LSM 5:2) This ramp pre-

dates this author, but it is a good starting point to begin a trail up onto the top of the ridge. Dan thought he could make this trail but first had to clear a wider area mid way up to allow for bringing down material which could be then pushed over the side. I took picture LSM 5:3. We stopped work at 5.00PM

Thurs May 29-14

Dan and I start work at 9.00 AM. All day the hoe digs away at the hillside. The goal is to make a cut wide enough so that the track drill can access the top of the ridge and then go east 100 metres to the drill locations. When we get around the 90 degree turn at the top we will have to widen this area as the track machine will need more width. As Dan works I am always watching the removed rocks for sign of any veining and watching as hoe pulls at the western wall of rock to warn of any landside. This is slow work as the bucket has to dislodge everything and be taken back down hill and pushed over edge. No pictures are taken this day. We stop work at 5.00 PM

Friday May 30-14

Dan and I start work at 9.00 AM. We are about half way through our cut to the top of the ridge. We continue with the same routine as Thursday. About noon I take picture LSM 5:4, which shows the size of some of the rock being removed. The cut is mostly bedrock granite on the east side and larger blocks of fractured granite and silt stone on the taller west side (there are any stringers on the south side of the silt stone on the lower levels. No any is noted on any of the rocks removed from either side of this cut.

By the end of the day we are almost over the top and some fill is being pushed

over the top to prepare for widening. About 10 feet from the top, on the right side, bed rock granite is infringing on our cut width and would hinder the track clearing it, so I will have to drill 3 holes into it. I take picture LSM 5:5 and we stop work at 5.00 PM

Sat May 31-14

Dan and I start work at 9.00 AM. Dan starts work at the top of the west cut using any fill he can find to widen this end as it goes around the 4 foot high granite bedrock knob. This very end of the ridge is narrower than the drill tracks, and both sides are very steep. About 30 feet from the west end, the ridge slowly widens out to about the last 30 meters which will drop about 6 feet into a very uneven area, (planned drill location). This rough area will require leveling so as to prevent the heavy drill head end from going over the edge. While Dan works away I bring along a compressor and bring up the hill a hand drill to sink 3 holes, the blaster can blow this obstruction.

By 2.00 PM Dan is heading down to the upper drill location and I take picture LSM 5:6. From 2.00 PM to 5.00 PM Dan moves fill to level the drill platform.

We both stop work at 5.00 PM

Tues June 03-14

Author only starts work at 9.00 PM. With a small shovel and a 3 claw rake I begin to clean off the previously marked out drill holes. The locations to be drilled from the bottom are easy to do, but the holes to be drilled from the top side are covered with rubble up to 2 feet thick. This work is done by 2.00 PM

From 2.00 PM to 5.00 PM I prospect with my 3 claw rake from the new drill pad about 10 meters into the spruce trees on the east side. Before the hoe leveled the

platform area the bed rock of either granite or silt stone was showing multiple amy stringers running south west to north east into the spruce stand. I zig zag thru the trees from south to north from the white pine tree to the backside of the ridge. There are some granite surface rocks, less than 10 lbs with lighter shades of lavender amy with small points, less than ½". About the middle of the top of the ridge there are 3 larger rocks, (100 to 150 lbs),with medium shades of purple and 2 " points with some damage. There is no sign of moss or lichen on any of the rocks, and as there are no signs of previous blasting on the top of the ridge these specimens probably flew up here from somewhere below.

About 10 meters into the spruce stand and just north of the ridge middle I found a 4 foot high x 15 foot long raised area, slightly fractured orangish silt stone with light lavender small amy points and amy stringers running thru. At some future time this will be looked at again but for now it is 5.00 PM and I stop work.

Wed June 04-14

Bill Dietrich Blasting and I start work at 9.00 PM. We first charge the three holes on the western cut obstruction and then blow them, cut is clear now. Bill then brings his rig into the platform area and onto the eastern ramp and sets up to drill holes 1,2, & 3 on the right side of ramp to a depth of 2.5 meters, (the intent to lower the right side of pit, which should show 2 veins that on surface run uphill into the tree line). I assist by bringing blasting supplies from his magazine as needed. I take picture LSM 5:7

He then repositioned the drill head to drill holes 3 & 4 on top of the rock face to a depth of 3 meters. He then moved the rig to the old ramp on the west side of pit area



and drilled holes 6,7, & 8, (also 3 meters deep).

With timed fuses, holes 1 & 2 should go first, (so that after stripping the east side wall it should show if the 2 veins continue at depth. Hole 2 was in front of an amy 2-4" vein running up to the white pine tree and hole 1 was in front of a 4-8" mostly quartz vein running east to south east). Holes 3 to 8 will blow together and should show if amy is present.

The drill rig then moves up the trail to the upper drill pad and proceeds to drill holes 9-12, 5 meters deep and about 1 meter out from the 3-4 foot drop off and about 2 meters apart. When done drilling the rig is removed from the exploration area and we begin to load the lower holes which are to be blown first. After these holes are blown we return to the area to see the results. Although there is fly rock 50-100 feet out into the platform/parking area the rock from holes 3-5 appear to be fairly close to the wall. As I look behind this area I see a clean break with 2 small soccer ball size cavities with nice medium purple amy points of less than 1". However this wall is not well fractured as I would have expected with 3 meter 3 ½" holes, but there is a lot to be searched thru.

I then catch up to the blaster and use my ATV to bring up powder supplies to blow holes 9-12. When Bill is done loading the holes I leave the area and he sets the fuses and leaves. When safe to return, we inspect the results, not what I expected to see, I take picture LSM 5-8 at 5.00 PM and stop work.

This ends the field work for this report.

## Conclusion

I tried a different method of blasting as a prelude to stripping, hopefully exposing the west and east sides of the top blast area, (where my previous work showed surface amy showings). However, the blast may have broken up the sub surface, most of the original bedrock did not come off the ridge. This did not provide any new insight, although there is a large number of amy covered rocks in the blast field, from very small up to 2 tons. There is a shortage of water at this time to wash the blasted rock. With washing there should be a large number of stock pile rocks found.

On the pit level the rocks moved some what away from the face but between the two blasts have left a huge amount of stripping work for a later date.

The decision to ever again blast by this method will be determined after the stripping is done.

Larry Kowtusi



Client #401973



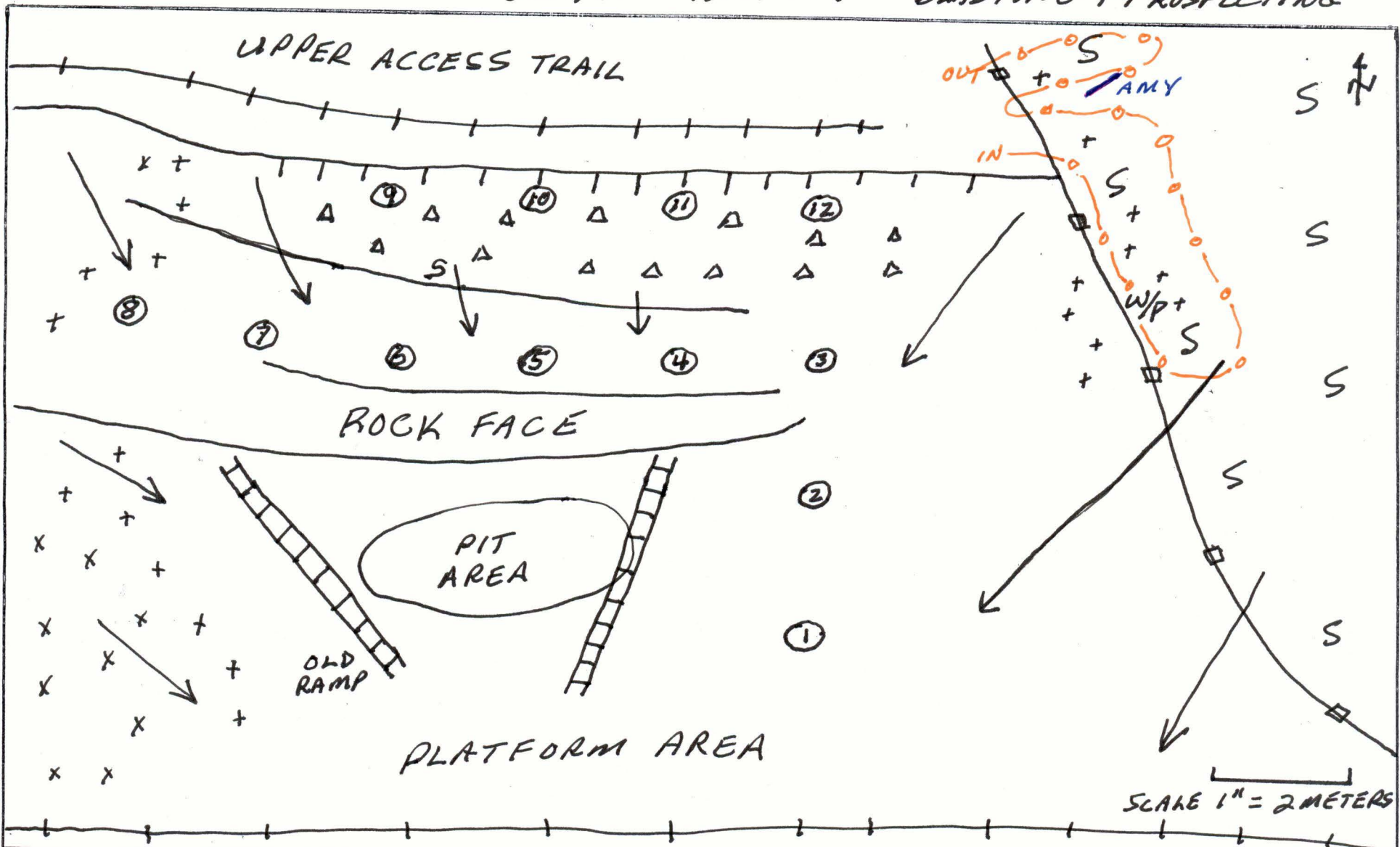
See Map 28

See Inset Map

NWN Maps

See Map 16

Nipigon  
LSM-1



- |               |              |                    |                |  |
|---------------|--------------|--------------------|----------------|--|
| ↘ DOWNSLOPE   | □ TREE LINE  | + LOOSE ROCKS      | W/P WHITE PINE | DRAWN BY L. KOWTUSKI<br>DEC 29, 2014<br>MCTAVISH TWP<br>MAP G-0675 |
| ▤ RAMP        | △ BOLDERS    | + ASTRONOMIC NORTH |                |  |
| ① DRILL HOLES | + ACCESS RD. | ○ PROSPECTING      |                |  |
| S SPRUCE      | ▤ LEDGE      |                    |                |  |
|               |              |                    |                |  |

LSM-3

CLAIM # 4265719

"ACCESS TRAIL"



DRILL MACHINE TRAIL

OPEN CUT  
NEW

OLD RAMP

xxx  
xx  
xx  
UPPER  
NEW  
DRILL  
PLATFORM

PLAT  
FORM  
AREA

ACCESS ROAD

PARKING AREA  
"YARD"

xxx UPPER  
xx DRILL  
PLATFORM

SCALE  
1" = 10 METERS

DRAWN BY L. KOWTUSKI  
DEC 29, 2014  
MC TAVISH TWP  
MAP G0675

LSM 3-A



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Development and Mines

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## Mining Claim Client Reports

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**THUNDER BAY Mining Division - 401973 - KOWTUSKI, LARRY ROBERT**

Township/Area	Claim Number	Recording Date	Claim Due Date	Status	Percent Option	Work Required	Total Applied	Total Reserve	Claim Bank
MCTAVISH	<a href="#">4265719</a>	2011-Nov-24	2018-Nov-24	A	100 %	\$ 400	\$ 2,000	\$ 18,560	\$ 0
MCTAVISH	<a href="#">4267144</a>	2011-Nov-24	2018-Nov-24	A	100 %	\$ 400	\$ 2,000	\$ 0	\$ 0
MCTAVISH	<a href="#">4269322</a>	2011-Nov-24	2018-Nov-24	A	100 %	\$ 400	\$ 2,000	\$ 3,444	\$ 0
MCTAVISH	<a href="#">4269324</a>	2011-Nov-24	2015-Nov-24	A	100 %	\$ 272	\$ 928	\$ 0	\$ 0

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9-MS7

4269324	4265719
4269322	4267144

WORK AREA →

↕

Date / Time of Issue: Tue Apr 03 14:45:49 EDT 2012

**TOWNSHIP / AREA**  
 MCTAVISH

**PLAN**  
 G-0675

**ADMINISTRATIVE DISTRICTS / DIVISIONS**  
 Mining Division: Thunder Bay  
 Land Titles/Registry Division: THUNDER BAY  
 Ministry of Natural Resources District: THUNDER BAY

**TOPOGRAPHIC**

- Administration Boundary
- Township
- Cassiarian List
- Provincial Park
- Indian Reserve
- C&E P&S Pipe
- Centreline
- Mine Road
- Mine Road Center
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Urban
- Tower

**Land Tenure**

- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Jointly Held Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Jointure of Ownership
- Use Not Specified
- Surface and Mining Rights
- Surface Rights Only
- Mining Rights Only
- Land Use Permit
- Order in Council - Mining Rights Only
- Water Power License Agreement
- Mining Claim
- Free City Mining Claims

**LAND TENURE WITHDRAWALS**

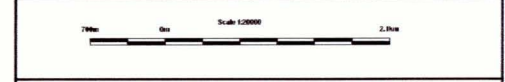
Areas Withdrawn from Disposal

- Area Withdrawn from Disposal - Mining Rights Only
- Area Withdrawn from Disposal - Surface and Mining Rights Only
- Area Withdrawn from Disposal - Mining Rights Only
- Area Withdrawn from Disposal - Surface and Mining Rights Only
- Area Withdrawn from Disposal - Mining Rights Only
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- Area Withdrawn from Disposal - Surface and Mining Rights Only

**IMPORTANT NOTICES**

Areas of Interest

- Areas of Interest - Mining Rights Only
- Areas of Interest - Surface and Mining Rights Only
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- Areas of Interest - Surface and Mining Rights Only
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- Areas of Interest - Surface and Mining Rights Only
- Areas of Interest - Mining Rights Only
- Areas of Interest - Surface and Mining Rights Only



**LAND TENURE WITHDRAWAL DESCRIPTIONS**

Year	Type	Area	Description
1974	Free	7,288.5	Area of 7,288.5 ha in the Township of Mctavish, County of Thunder Bay, Province of Ontario, was withdrawn from disposal for the purpose of being reserved for the use of the public as a park.
1978	Free	1,000.0	Area of 1,000.0 ha in the Township of Mctavish, County of Thunder Bay, Province of Ontario, was withdrawn from disposal for the purpose of being reserved for the use of the public as a park.
1979	Free	1,000.0	Area of 1,000.0 ha in the Township of Mctavish, County of Thunder Bay, Province of Ontario, was withdrawn from disposal for the purpose of being reserved for the use of the public as a park.
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2012	Free	1,000.0	Area of 1,000.0 ha in the Township of Mctavish, County of Thunder Bay, Province of Ontario, was withdrawn from disposal for the purpose of being reserved for the use of the public as a park.

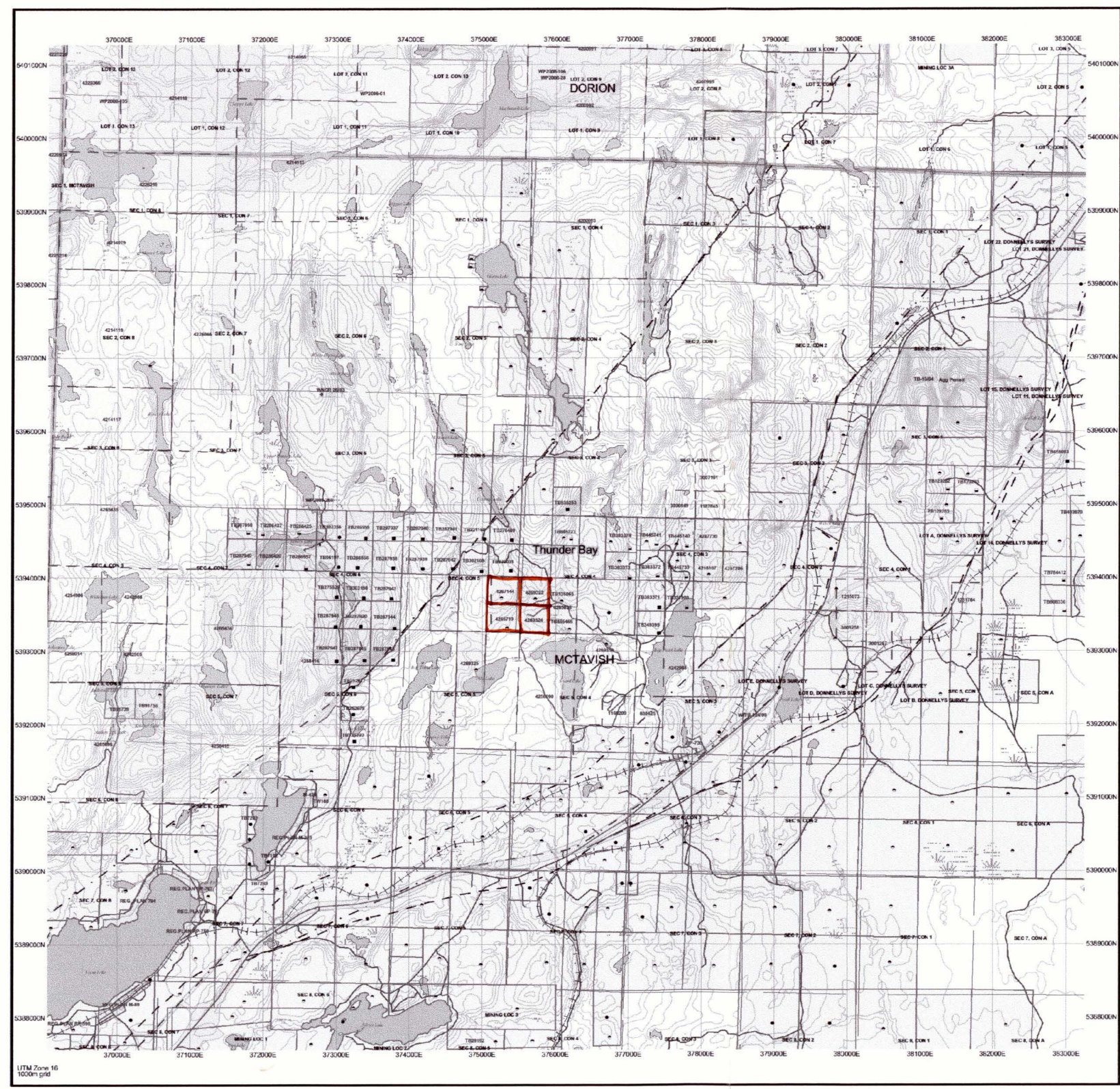
**IMPORTANT NOTICES**

Areas of Interest

1. Areas of interest are shown on this map for information only. They do not constitute a guarantee of the accuracy or completeness of the information shown on this map.

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*LSM-2*





5:8

LSM 5:8 JUNE 04-2014  
 THIS PICTURE SHOWS THE BEST FIELD, WHEN COMPARED TO LSM 5:1 OR LSM 5:7 NOT MUCH OF INTENDED ROCK MOVED VERY FAR. IT DOES SHOW HOW MUCH STRIPPING & SORTING WILL HAVE TO BE DONE AT A LATER DATE



5:7

LSM 5:7 JUNE 04-2014  
 THIS PICTURE SHOWS THE DRILL RIG ON THE EAST NEW RAMP. PINK KINES SHOW 2 AMY AND QUARTZ VEINS THAT SHOW ON SURFACE PROSPECTING ON JUNE 03-2014 IS BETWEEN TALL WHITE PINE ABOVE TOP PINK KINE AND NORTH OVER THE RIDGE, IN THE SPRUCE STAND

LSM 5:5 MAY 30-2014 5:5

THIS PICTURE SHOWS THE HOE  
JUST BEFORE THE TOP WHERE  
IT TURNS 90 DEGREES RIGHT  
THIS IS THE AREA THAT WILL  
NEED TO BE WIDENED



LSM 5-5

LSM 5:6 MAY 31-2014

THIS PICTURE SHOWS THE HOE  
AT THE FAR WEST END ON TOP  
AND HEADING EAST TO FILL  
DROP OFF AND DRILL LOCATION  
WHICH IS TO BE MADE OVER  
PUDDLE, IN FOR GROUND OF PICTURE  
AND 4 FOOT ROCK KNOB ON RIGHT  
SIDE OF WATER



LSM 5-6

5:6

LSM 5:3 MAY 28-2014  
THIS PICTURE SHOWS HOE AT END  
OF OLD EXISTING KAMP MOVING  
MATERIAL OVER THE SIDE



LSM 5-3

LSM 5:4 MAY 30-2014  
5:4  
THIS PICTURE SHOWS THE SIZE  
OF SOME OF THE ROCKS PULLED  
OUT AND PILED. THEN PULLED  
DOWN HILL AGAIN AND AGAIN  
UNTIL ABLE TO PUSH OVER EDGE.



LSM 5-4

LSM 5:1

5:1

THIS IS A 2013 PICTURE TO SHOW THE BLAST AREA BEFORE THIS WORK REPORT. NOTE THE LARGER ROCKS ON SURFACE THAT NEED TO BE PICKED UP AND STOCKPILED

4  
N



LSM 5:2

THIS IS A 2013 PICTURE TO SHOW THE FAR WESTERN EXISTING RAMP THAT IS TO BE USED AS A STARTING POINT FOR A TRAIL UP AND ONTO THE TOP OF THE RIDGE AND THEN BACK TO THE EAST END

~~4~~

5:2

