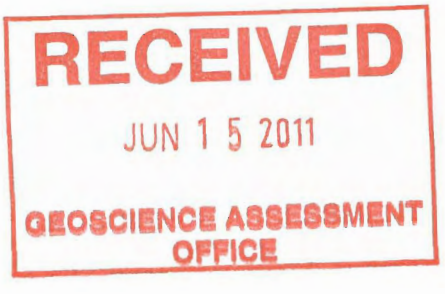
2.48738

2011 Report
of
Radiometric Survey
on
Shields Township
Sault Ste Marie
Mining Division
Pro Minerals Inc

Prepared by: James H Forbes
37 Park Street
Kirkland Lake, ON
P2N 3A6
1-705-567-5845



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Introduction

Project Description

A radiometric survey was on claims #4247770, #4247772, #4247773, from May 11, 2011 to May 29, 20011 on behalf of Pro Minerals Inc. who have been granted an option to acquire the claims from Maverick Investment Corporation.

These claims are situated on the North boundary of Shields Township in the Sault Ste Marie Mining Division.

Location and Access

These claims are located approximately 36 km NE of Sault Ste Marie, ON.

Access is VIA highway 17 West going 16 km North. You then take a secondary highway for 25 km to Searchmont, ON. Going North from Searchmont, ON you travel a gravel road West for 3 km. An ATV is needed from this point on. You then travel North 4 km to a trail going West.

This trail goes directly though the middle of claim #4247770 and then the North half of #4247772.

There is no access into claim #4747773

Geology

The geology of the property found by traverse is as follows;

GRANITE
RED PHASE
BROWN PHASE
GREY PHASE
GNEISSIE PHASE
PEGMATITE

METAVOLCANICS
Granite is the predominate rock formation.

Exploration Program

The Identifier GR-135 PLUS was used to assay the above formations. A digital reading is given as Potassium in percent, Thorium in parts per million and Uranium in parts per million.

Traverses were made to cover as much of the property with the time and budget allowed.

See accompanying maps for details of ground that was covered throughout this project.

Andrew Neville kept track of UTM co-ordinates and stayed on traverse co-ordinates where it was possible. However, when rock was located the traverse changed because we followed out crop rock formations.

James B Forbes sampled using the Identifier and James H Forbes wrote up all data field notes. James H Forbes, James B Forbes and Andrew Neville were present on all traverses.

Conclusion

There is widespread anomalous Thorium and Uranium throughout the Granite phase

Resident Geologist of Kirkland Lake, ON, Dave Guindon suggests that the Uranium crystallized into the Granite groundmass but didn't stay in solution long enough for late stage concentrating into Pegmatites.

It is the author's opinion that the property was covered in enough detail therefore no further Uranium exploration is warranted at this time.

There is a copper showing at the far West end of the property. The trench is located at the South end of Wolf Lake. GPS co-ordinates are as follows; 711202E and 5194639N.

This area may warrant further exploration.

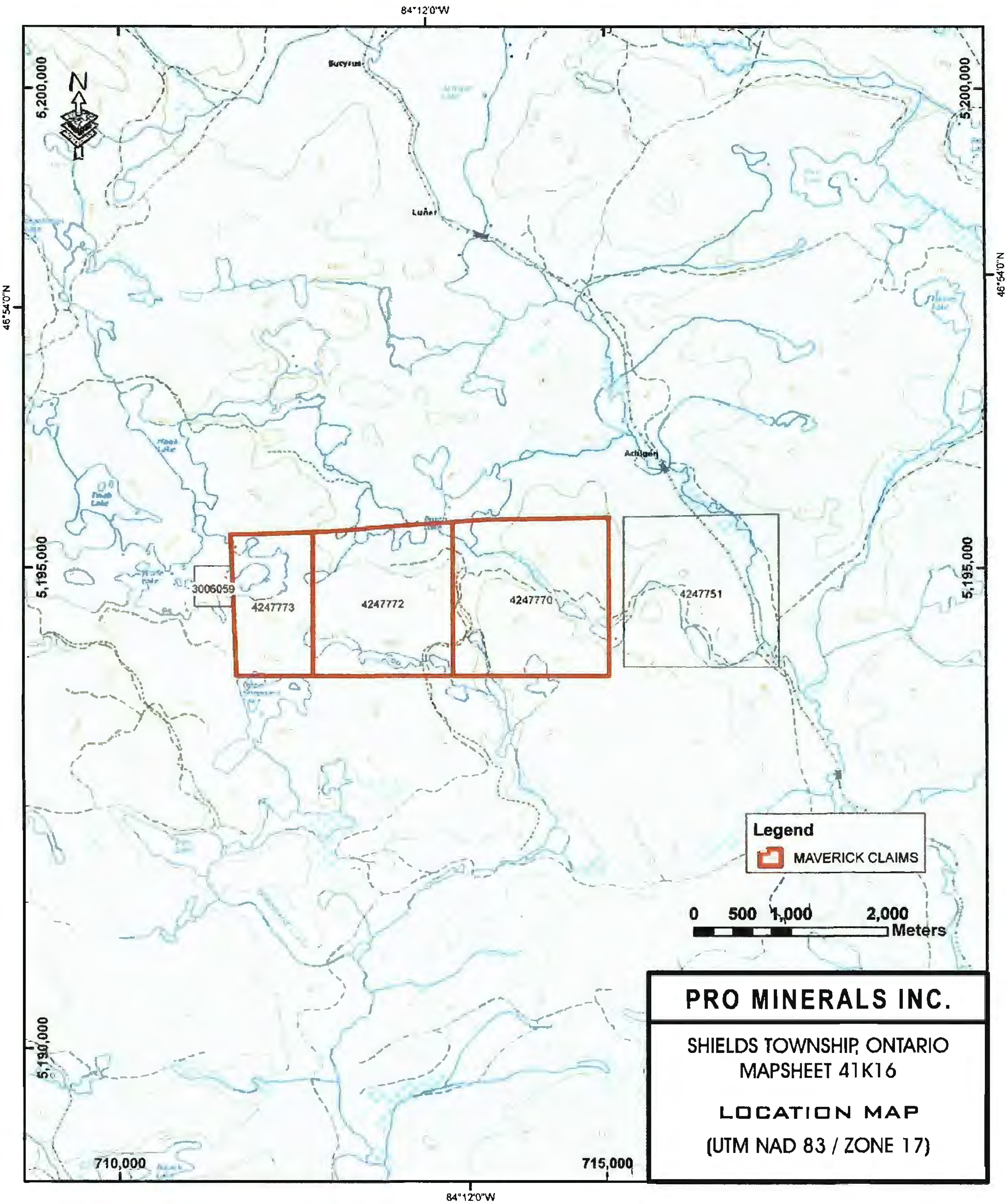
Statement of Qaulifications:

I, James H Forbes, of the Town of Kirkland Lake, ON, DO HEREBY CERTIFY THAT:

1, I was trained as a geophysicist by Texas Gulf Mines in 1975
2, I have performed numerous geophysical surveys for mining companies as well as my own companies.
3, I have my Honorary Prospectors License
4, I have been in the Mining Exploration Business since 1969
5, I conducted this Prospecting Survey and this report with the assistance of Dave Guindon (Conclusion).

James H Forbes 09/06/11

James H Forbes June 09, 2011


84°12'0"W
N
5,200,000
46°54'0"N
5,195,000
5,190,000
710,000
715,000
3006059
4247773
4247772
4247770
4247751
Legend
MAVERICK CLAIMS
0 500 1,000 2,000
Meters
PRO MINERALS INC.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
LOCATION MAP
(UTM NAD 83 / ZONE 17)

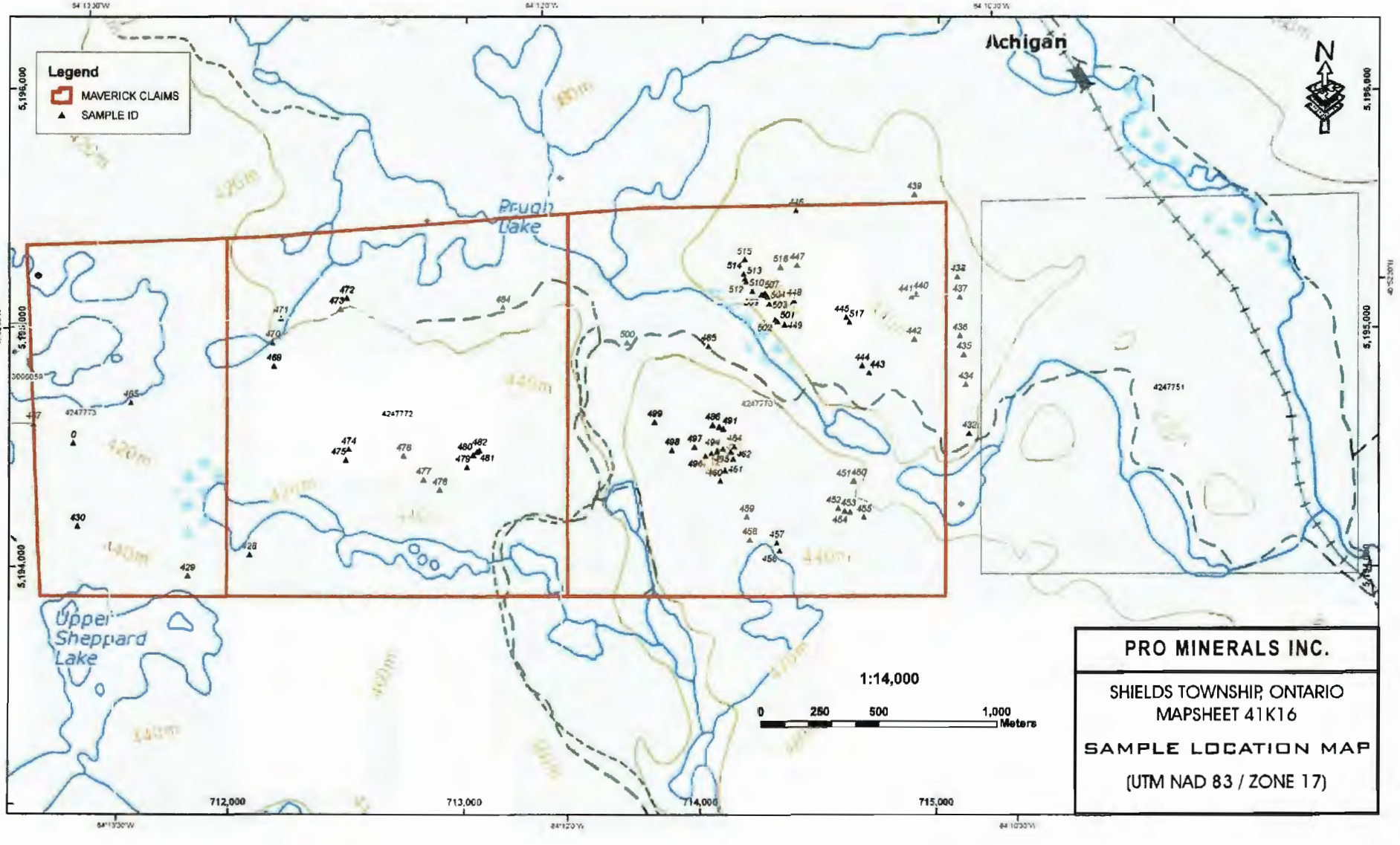
SAMPLE #	LOCATION GPS	ROCK DESCRIPT	CPM	K%	TH-PPM	U-PPM	COMMENTS
428	712084E 5194051N	GR/0C	120	2.1%	69.2	10.8	
429	711826E 5193963N	GR/OC	168	5.1%	52.6	32.7	
430	711363E 5194171N	GR/OC		7.8%	30.4	36.8	
	711343E 5194520N						DD HOLE
432	715135E 5194559N	RED/GR OC		1.4%	22.7	21.7	
434	715121E 5194765N	GR/FINE GRAIN/OC		6%	60.8	8.7	
435	715112E 5194890N	BR/GR/OC		3.6%	25.4	9.1	
436	715095E 5194968N	BR SYENITE OC	550	7.8%	42.1	26.2	
437	715094E 5195129N	GR BOULDER	620	4.8%	62.8	20.6	
438	715084E 5195214N	RED/GR BOULDER	650	5.1%	59.3	28.9	
439	714900E 5195560N	GREY/GR OC	220	0.3%	33.9	12	
440	714909E 5195142N	DIRT	200	2.6%	24.8	5.9	
441	714890E 5195129N	GR/OC	300	4.5%	38.6	10.3	
442	714900E 5194953N	RED/GR OC	400	2.9%	39.1	11	
443	714709E 5194813N	VOL/OC	160	5.1%	17.6	1.4	
444	714680E 5194843N	VOL/GR CONTACT OC	300	3.7%	36.6	10.6	
445	714611E 5195044N	RED/GR OC	240	6.7%	16.7	4.1	
446	714398E 5195490N	RED/GR OC	320	4.9%	37.1	10.7	
447	714403E 5195261N	GR/OC	700	0%	34.7	46.1	
448	714390E 5195112N	GR/OC	520	6.1%	44.1	26.5	
449	714350E 5195013N	GR/OC	320	4.9%	34	5.7	

450	714648E 5194361N	DIRT	350	4.7%	35.2	3.8	
451	714643E 5194357N	GR/OC?		3.7%	41	15.1	
452	714580E 5194245N	BR-GR OC	500	3%	23	39.8	
453	714609E 5194233N	BR-GR OC	400	2.9%	26	21.1	
454	714631E 5194229N	BR-GR OC	650	5%	21.4	44	
455	714690E 5194208N	BR-GR OC	700	3.4%	45.3	37.7	
456	714330E 5194068N	BR-GR OC	620	7.3%	29.8	32	
457	714318E 5194101N	BR-GR OC	560	9%	42.2	20.6	
458	714206E 5194115N	BR-GR OC	420	2.2%	44.3	10.3	
459	714194E 5194211N	BR-GR OC	510	5.2%	31.2	24.4	
460	714081E 5194361N	BR-GR OC	600	5.5%	53.5	23.6	
461	714100E 5194405N	BR-GR OC	530	6.1%	41	20.1	
462	714135E 5194453N	BR-GR OC	750	6.9%	79.2	22.8	
463	714124E 5194484N	BR-GR OC	600	8%	53	22.8	
464	714138E 5194506N	RED-GR OC	400	7.3%	20.4	15.9	
465	711584E 5194691N	GNEISS-GR/OC	550	4.3%	41.3	36	SOUTHEAST SHORE WOLF LAKE
467	711175E 5194599N	VOL/OC	60	0.1%	3.2	4.7	TRENCH
469	712187E 5194842N	BR-GR OC	515	3.9%	32.1	24.8	SOUTH SIDE OF LAKE
470	712180E 5194940N	PEGM DYKE/OC	210	3.7%	6.5	13.2	
471	712216E 5195040N	BR-GR OC	460	5.2%	43.1	36.1	
472	712496E 5195125N	RED-GR OC	630	6.8%	64.9	19.1	
473	712470E 5195079N	PEGM QTZ VEIN OC	190	6.2%	5.7	5.8	

474	712506E 5194494N	BR-GR OC	460	4.9%	52.3	11	
475	712493E 5194450N	BR-GR OC	500	6.8%	56.9	5.3	
476	712739E 5194467N	VOL/OC	380	5.5%	34.8	14.3	
477	712823E 5194367N	BR-GR OC	410	6.4%	58	5.5	
478	712892E 5194323N	GR-GRANIT OC	380	5.3%	30.2	7.7	
479	713007E 5194419N	VR-GR OC	580	6.9%	47	22	

SAMPLE	LOCATION GPS	ROCK DESCRIPT	CPM	K%	TH-PPM	U-PPM	COMMENT
480	713033E 5194470N	GR-GR OC	550	6.4%	53.5	17.5	
481	713049E 5194484N	BR-GR OC	540	7.6%	54.8	10.7	
482	713060E 5194490N	BR-GR OC	710	10.5%	85.4	11.7	
484	713158E 5195084N	BR-GR OC	650	8.3%	69.5	17.6	
485	714028E 5194925N	BR-GR OC	320	3.6%	24.4	14.9	
486	714047E 5194596N	BR-GR OC	430	7.1%	39.5	13.5	
487	714074E 5194585N	BR-GR OC	700	7.1%	30.4	42.8	
488	714073E 5194586N	BR-GR OC	650	6.6%	62.7	31.2	
489	714075E 5194588N	BR-GR OC	790	10.8%	63.2	30.3	
490	714076E 5194587N	BR-GR OC	850	9.8%	72.7	32	
491	714092E 5194579N	RED-GR OC	400	4.6%	46.7	12.4	
492	714090E 5194497N	BR-GR OC	315	4.7%	28.9	14.5	
493	714065E 5194484N	BR-GR OC	480	5.1%	28.5	26.5	
494	714066E 5194488N	BR-GR OC	570	5.9%	63	18.1	
495	714042E 5194477N	BR-GR OC	620	8.5%	64.2	18.7	
496	714017E 5194466N	BR-GR OC	760	6.8%	58.7	27.9	
497	713971E 5194503N	RED-GR OC	600	1.2%	72.9	26.8	
498	713874E 5194490N	BR-GR OC	630	7.7%	59.6	16.7	
499	713800E 5194608N	BR-GR OC	620	7.6%	66.7	21.5	
500	713684E 5194939N	BR-GR OC	600	8.7%	46.4	22.6	
501	714319E 5195026N	BR-GR OC	480	7%	50.4	9.4	
502	714309E 5195034N	BR-GR OC	610	8.4%	55.8	18.6	

503	714285E 5195102N	BR-GR OC	550	5.3%	38.4	27.2	
504	714278E 5195130N	BR-GR OC	630	8.6%	50.6	23.2	
505	714271E 5195137N	BR-GR OC	525	6.6%	46.8	20.5	
506	714269E 5195143N	BR-GR OC	750	8.5%	67.3	22	
507	714265E 5195145N	RED-GRAN/OC	700	2.9%	38.4	40.3	
508	714264E 5195142N	BR-GR OC	740	9.1%	60.2	17.5	
509	714252E 5195140N	BR-GR OC	620	6.7%	52.5	22.7	
510	714213E 5195154N	BR-GR OC	690	7.5%	58.3	19.7	
511	714218E 5145174N	BR-GR OC	630	7.3%	51.2	19	
512	714186E 5195194N	BR-GR OC	750	8.5%	50.1	36.3	
513	714182E 5195206N	PEGM/OC	230	4.6%	33.6	3.2	
514	714176E 5195226N	GR-GRAN OC	470	4.8%	27.2	29.1	
515	714181E 5195286N	GR-GRAN OC	450	6.7%	51.9	14.5	
516	714333E 5195253N	RED-GR OC	680	3.4%	47.9	35.2	
517	714625E 5195023N	BR-GR OC	300	3.3%	35	10.4	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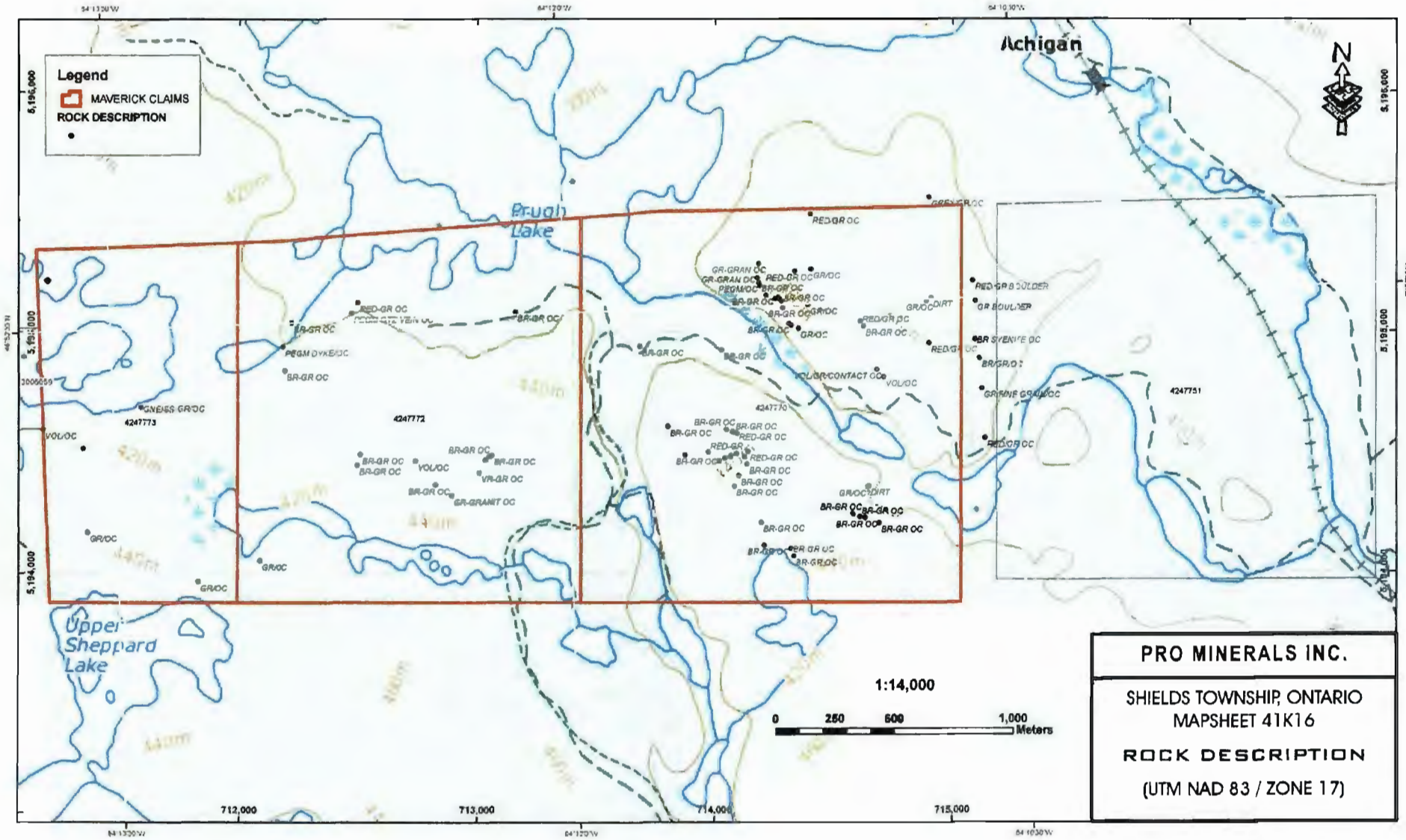
MAVERICK CLAIMS
SAMPLE ID
Prough Lake
Upper Sheppard Lake
Michigan
N
1:14,000
0 250 500 1,000 Meters
712,000
713,000
714,000
715,000
5,196,000
5,195,000
5,194,000
PRO MINERALS INC.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
SAMPLE LOCATION MAP
(UTM NAD 83 / ZONE 17)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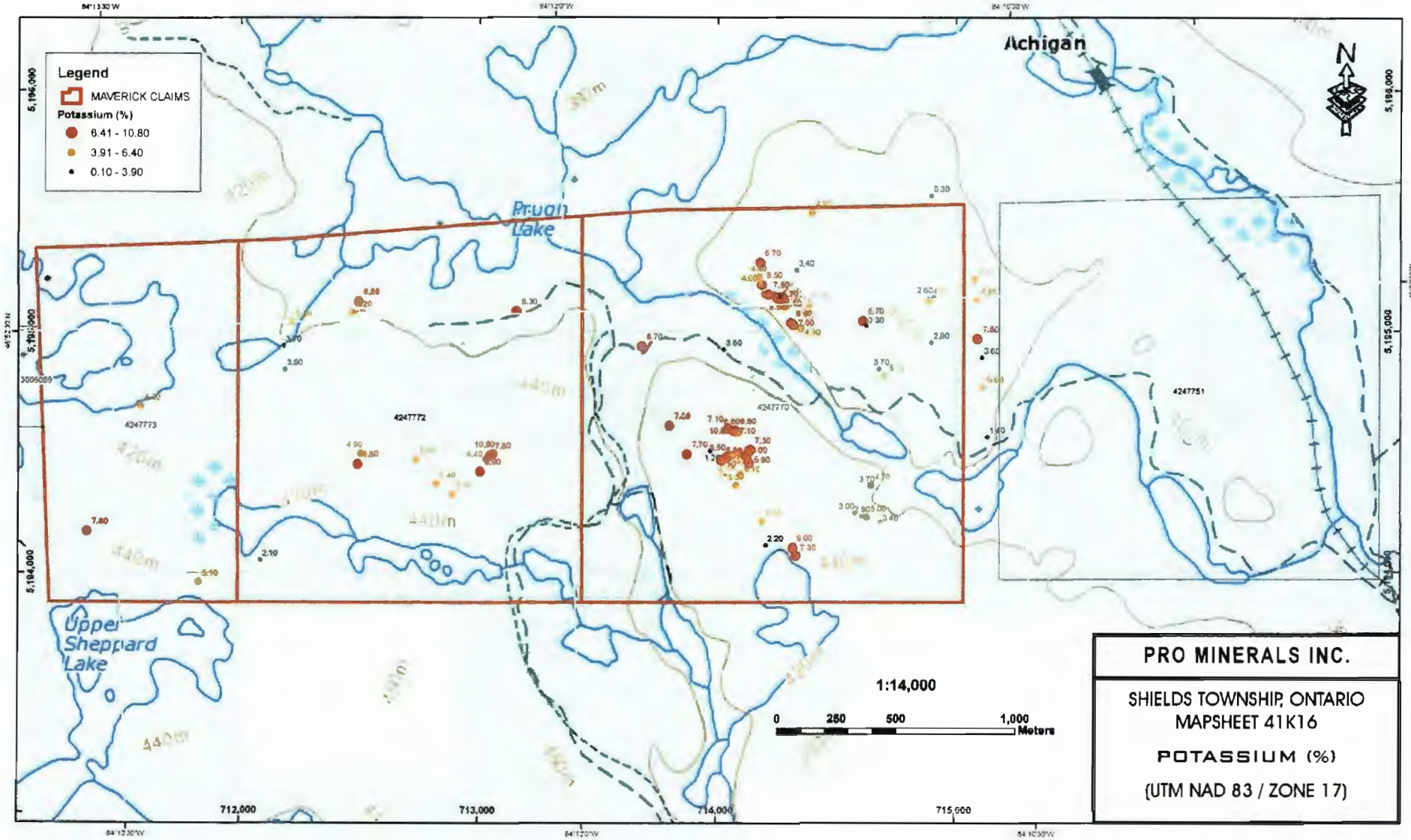
MAVERICK CLAIMS
ROCK DESCRIPTION
Achigan
Prugh Lake
Upper Sheppard Lake
4247772
4247773
4247770
4247751
1:14,000
0 250 500 1,000 Meters
712,000
713,000
714,000
715,000
5,196,000
5,195,000
5,194,000
PRO MINERALS INC.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
ROCK DESCRIPTION
(UTM NAD 83 / ZONE 17)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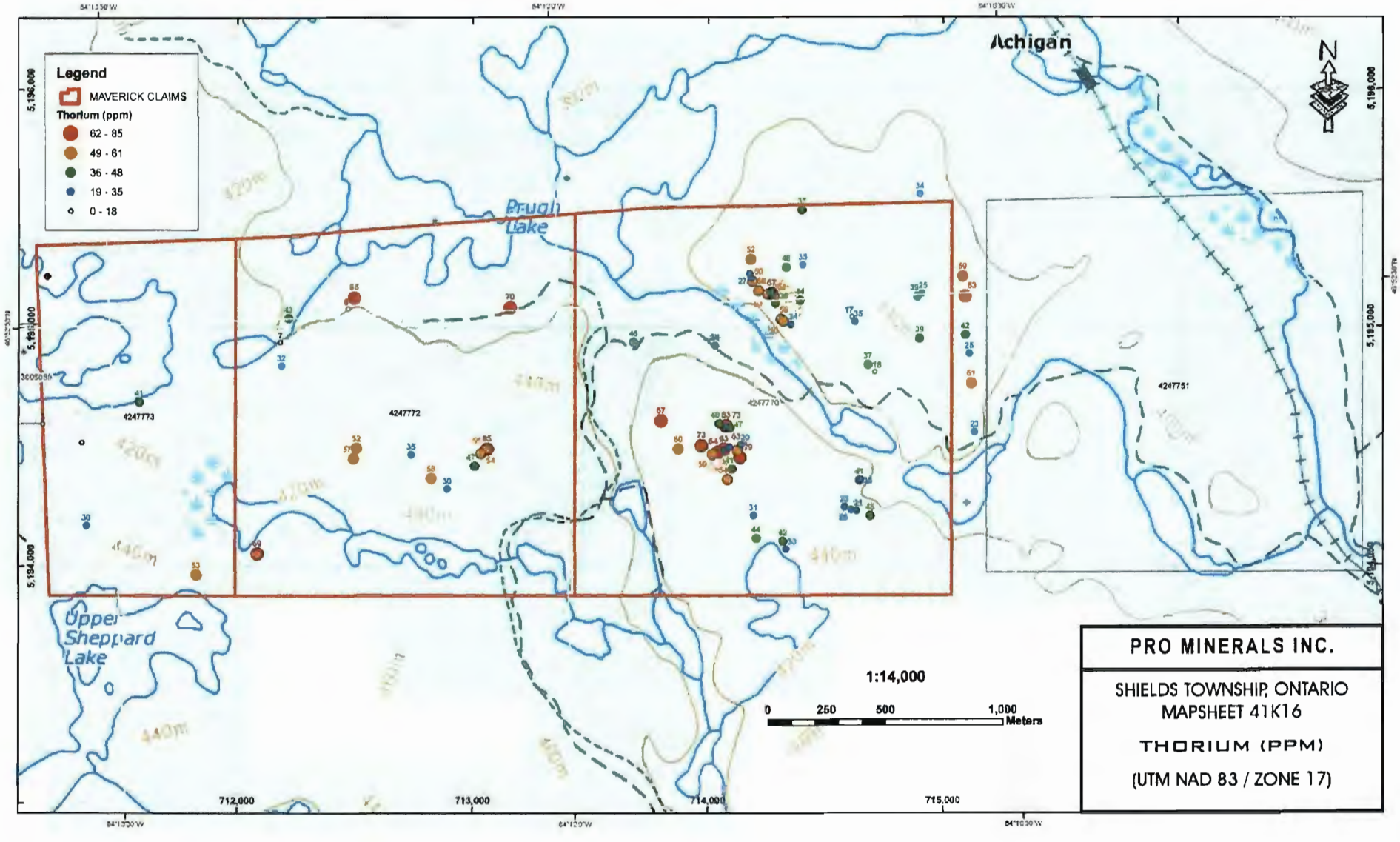
MAVERICK CLAIMS
Potassium (%)
6.41 - 10.80
3.91 - 6.40
0.10 - 3.90
Achigan
Pruden Lake
Upper Sheppard Lake
4247772
4247773
4247770
4247751
712,000
713,000
714,000
715,000
5,196,000
5,195,000
5,194,000
1:14,000
0 250 500 1,000 Meters
PRO MINERALS INC.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
POTASSIUM (%)
(UTM NAD 83 / ZONE 17)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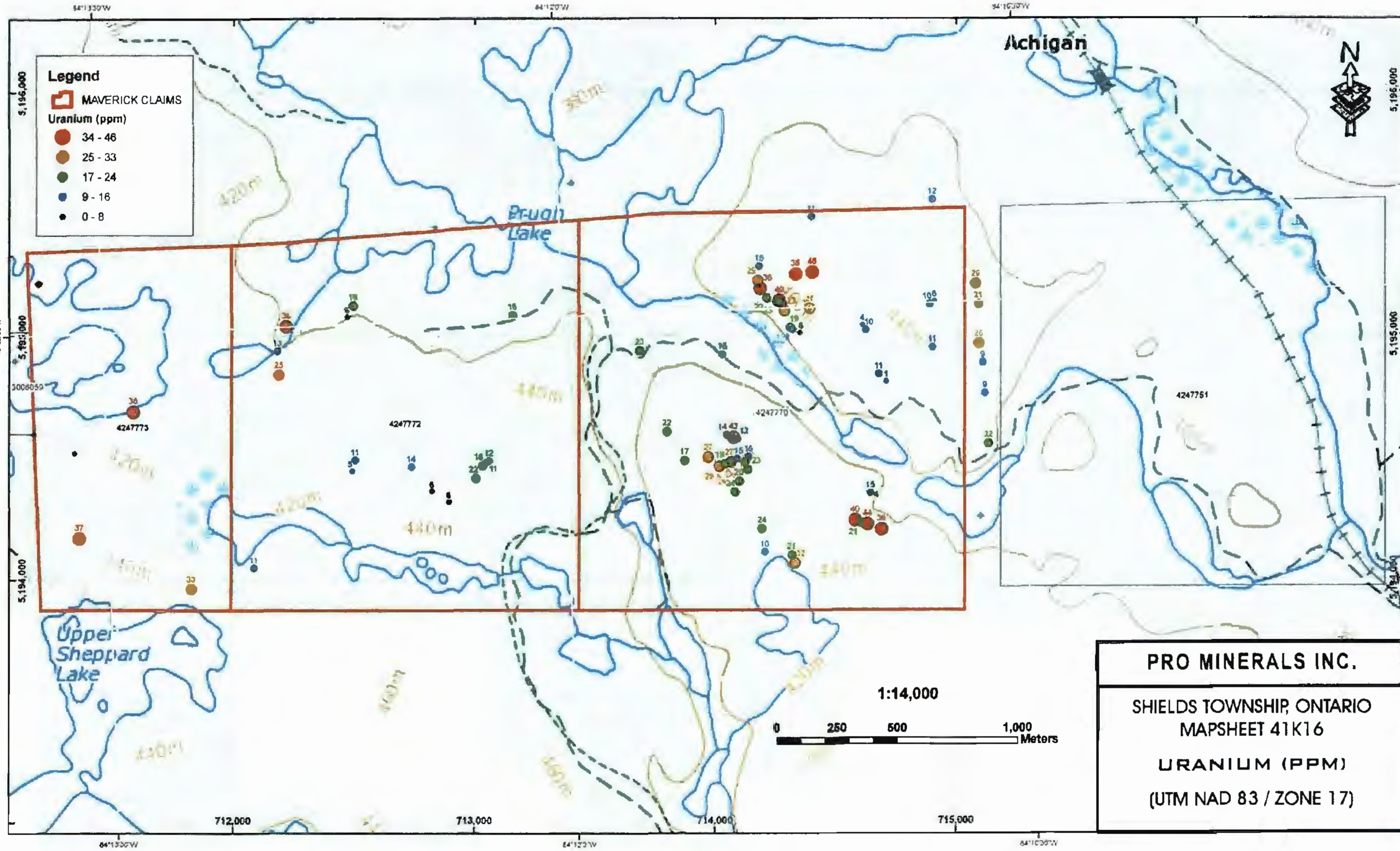
MAVERICK CLAIMS
Thorium (ppm)
62 - 85
49 - 61
36 - 48
19 - 35
0 - 18
Achigan
Pruah Lake
Upper Sheppard Lake
4247773
4247772
4247770
4247751
712,000
713,000
714,000
715,000
5,196,000
5,195,000
5,194,000
1:14,000
0 250 500 1,000 Meters
N
PRO MINERALS INC.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
THORIUM (PPM)
(UTM NAD 83 / ZONE 17)


Legend
MAVERICK CLAIMS
Uranium (ppm)
34 - 46
25 - 33
17 - 24
9 - 16
0 - 8
Achigan
Prugh Lake
Upper Sheppard Lake
N
4247773
4247772
4247770
4247751
1:14,000
0
250
500
1,000
Meters
712,000
713,000
714,000
715,000
5,196,000
5,195,000
5,194,000
PRO MINERALS INC.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
URANIUM (PPM)
(UTM NAD 83 / ZONE 17)

Daily Log

May 11, 2011- Collect gear for prospecting in Shields Twp, Sault Ste Marie (James H Forbes) 8 hours

May 12, 2011- Travel to Ironbridge, ON (James H Forbes, James B Forbes, Andrew Neville) 8 hours

May 13, 2011- Travel to Sault Ste Marie, ON- 2 hours
- Rent Accommodations, organize gear-5 hours (James H Forbes, James B Forbes, Andrew Neville) 7 hours

May 14, 2011- Shopping for groceries/chainsaw oil and gas (James H Forbes, James B Forbes, Andrew Neville) 5 hours. (Rain Day)

May 15, 2011- Travel to and from property -5 hours
- Chainsaw trails-6 hours (James H Forbes, James B Forbes, Andrew Neville) 11 hours

May 16, 2011- Travel to and from property-5 hours
- Chainsaw trails-5 hours (James H Forbes, James B Forbes, Andrew Neville) 11 hours

May 17, 2011- Travel to and from property-5 hours
- Prospect SW part of claims # 4247772 & # 4247773- 7 hours(James H Forbes, James B Forbes, Andrew Neville) 12 hours

May 18, 2011- Travel to and from property-5 hours
- Prospect NE corner claim # 4247770-3 hours (Rained Out)
- (James H Forbes, James B Forbes, Andrew Neville) 8 hours

May 19, 2011- Travel to and from property- 5 hours
- Prospect NE part of claim # 4247770-7 hours (James H Forbes, James B Forbes, Andrew Neville) 12 hours

May 20, 2011- Rain Day

May 21, 2011- Travel to and from property- 5 hours
- Prospect SC part of claim # 4247770- 7 hours (James H Forbes, James B Forbes, Andrew Neville) 12 hours

May 22, 2011- Rain Day

May, 23, 2011- Rain Day

May 24, 2011- Travel to and from property- 5 hours
- Prospect center of claims # 4247772 & # 4247773- 7 hours
-(James H Forbes, James B Forbes, Andrew Neville) 12 hours

May 25, 2011- Travel to and from property- 5 hours
- Prospect NW corner & center of claim # 4247772- 7 hours
(James H Forbes, James B Forbes, Andrew Neville) 12 hours

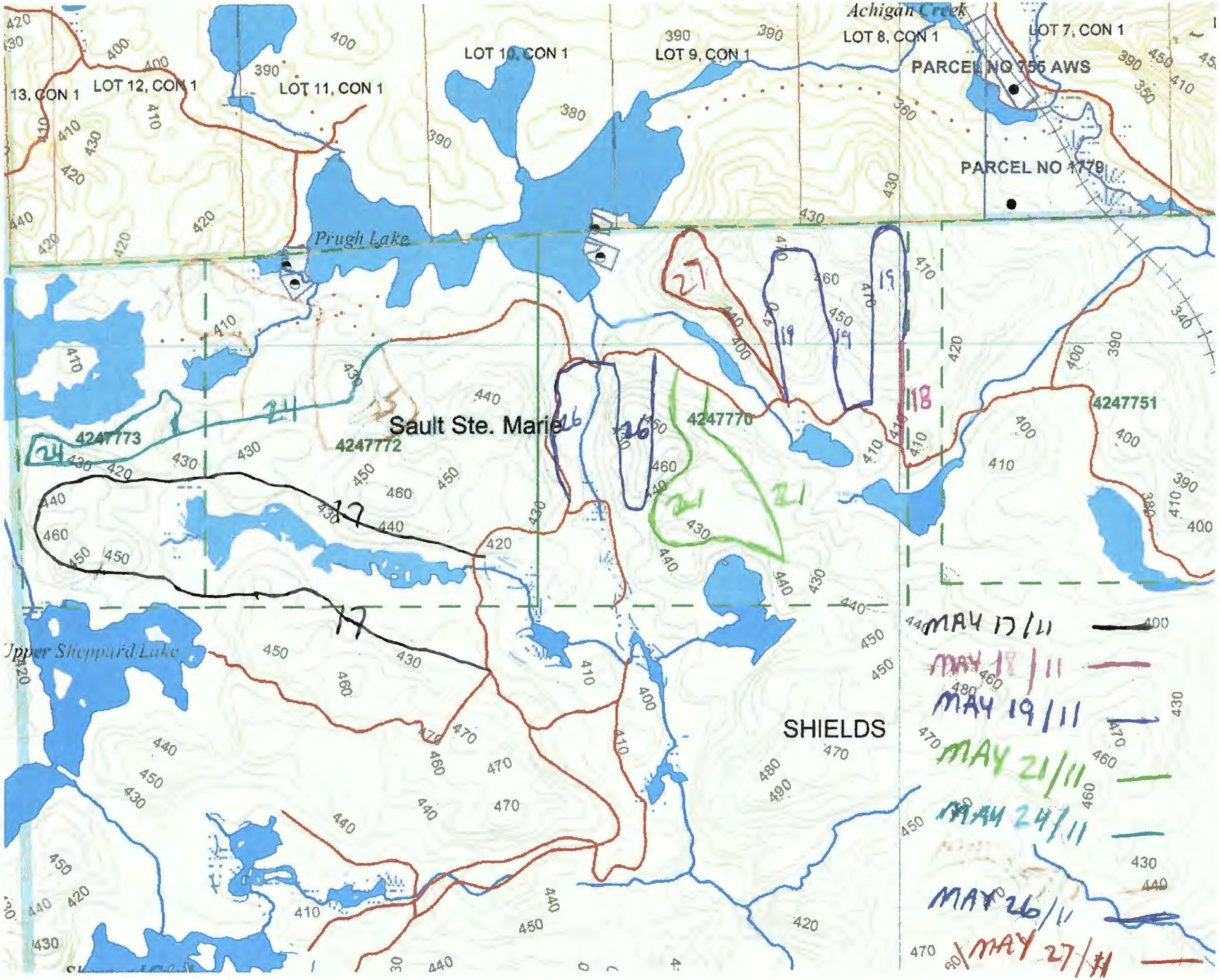
May 26, 2011- Travel to and from property - 5 hours
- Prospect central part of claim # 4247770- 6 hours (James H Forbes, James B Forbes, Andrew Neville) 11 hours

May 27, 2011- Travel to and from property- 5 hours
- Prospect NW corner of claim # 4247770-7 hours (James H Forbes, James B Forbes, Andrew Neville) 12 hours

May 28, 2011- Clean accommodations- 4 hours
- Collect gear- 2 hours
- Travel to Ironbridge- 11/2 hours (James H Forbes, James B Forbes, Andrew Neville) 71/2 hours

May 29, 2011- Travel to Kirkland Lake, ON-(James H Forbes, James B Forbes, Andrew Neville) 8 hours

May 30, 2011- Unpack & organize gear
- Organize information (James H Forbes) 6 hours


Achigan Creek
LOT 8, CON 1
LOT 7, CON 1
LOT 10, CON 1
LOT 9, CON 1
PARCEL NO 755 AWS
LOT 12, CON 1
LOT 11, CON 1
13, CON 1
PARCEL NO 1779
Prugh Lake
Sault Ste. Marie
4247773
4247772
4247770
4247751
Upper Sheppard Lake
SHIELDS
MAY 17/11
MAY 18/11
MAY 19/11
MAY 21/11
MAY 24/11
MAY 26/11
MAY 27/11

Legend

MAVERICK CLAIMS

Thorium (ppm)

- 62 - 85
- 49 - 61
- 36 - 48
- 19 - 35
- 0 - 18

Achigan

Prugh Lake

Wolfe Lake

Upper Sheppard Lake

3006059

4247773

4247772

4247770

4247751

1:10,000

0 250 500 1,000 Meters

MAVERICK INVESTMENT CORP.

SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16

THORIUM (PPM)

(UTM NAD 83 / ZONE 17)

Legend

- MAVERICK CLAIMS
- SAMPLE ID

Lake

Wolfe Lake

Prugh Lake

Upper Sheppard Lake

Achigan

3006059

4247773

4247772

4247770

4247751

1:10,000

0 250 500 1,000 Meters

MAVERICK INVESTMENT CORP.

SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16

SAMPLE LOCATION MAP

(UTM NAD 83 / ZONE 17)

Legend

- MAVERICK CLAIMS
- ROCK DESCRIPTION

Lake
Wolfe Lake
Upper Sheppard Lake
Achigan

3006059
4247773
4247772
4247770
4247751

GNEISS-GR/OC
VOL/OC
GR/OC
BR-GR OC
RED-GR OC
PEGM QTZ VEIN OC
PEGM DYKE/OC
VOL/OC
GR-GRANIT OC
VR-GR OC
GR-GRAN OC
PEGM/OC
GREY/GR OC
RED/GR BOULDER
DIRT
RED-GR
GR/OC?
BR SYENITE OC
BR/GR/OC
VOL/GR/CONTACT OC
GR/FINE GRAIN/OC
RED/GR OC
DIRT

1:10,000

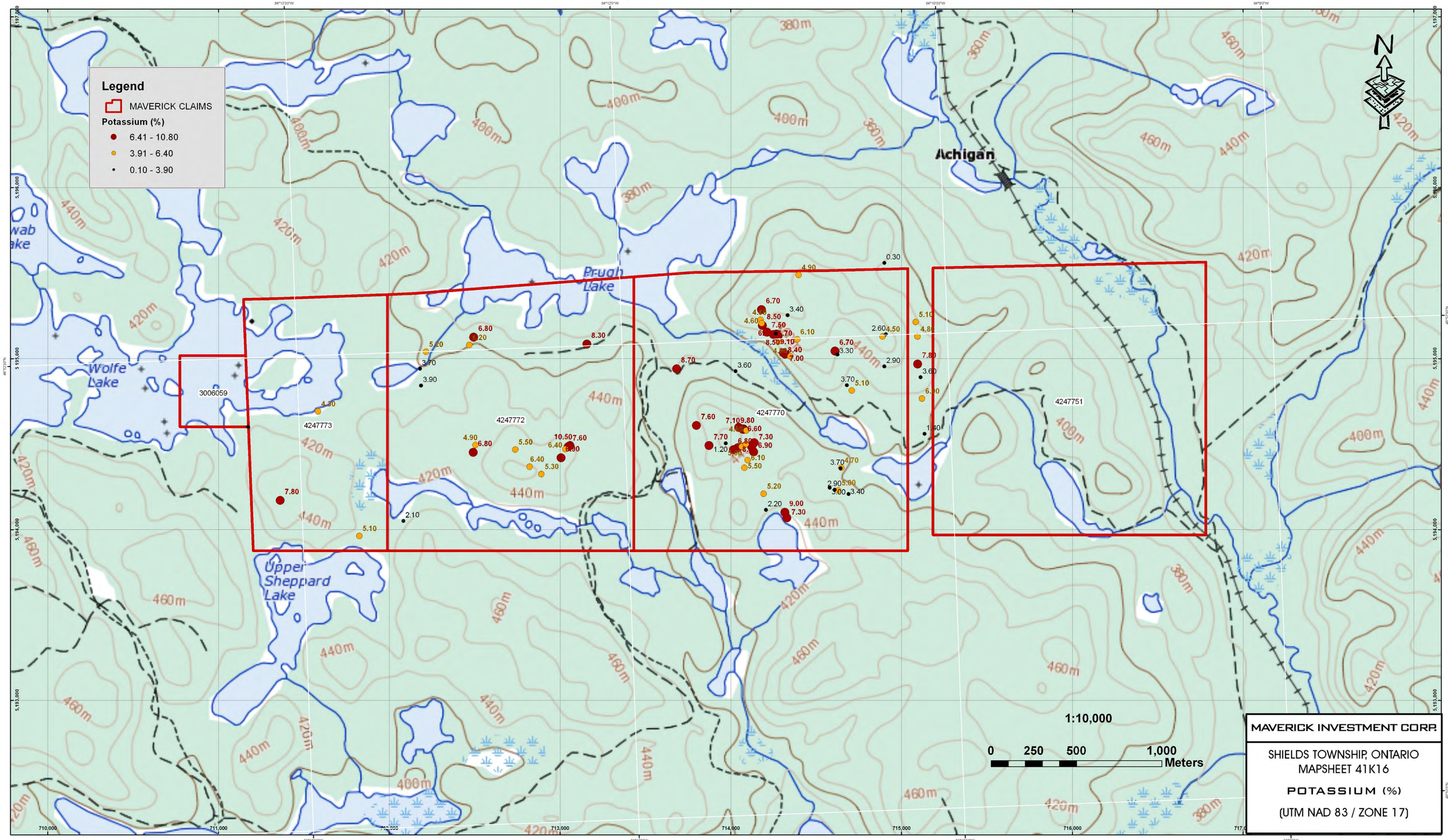
0 250 500 1,000 Meters

MAVERICK INVESTMENT CORP.

SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16

ROCK DESCRIPTION

(UTM NAD 83 / ZONE 17)


Legend
MAVERICK CLAIMS
Potassium (%)
6.41 - 10.80
3.91 - 6.40
0.10 - 3.90
Achigan
Prugh Lake
Wolfe Lake
Upper Sheppard Lake
3006059
4247773
4247772
4247770
4247751
N
1:10,000
0 250 500 1,000
Meters
MAVERICK INVESTMENT CORP.
SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
POTASSIUM (%)
(UTM NAD 83 / ZONE 17)

Legend

- MAVERICK CLAIMS
- 651 - 850
- 521 - 650
- 351 - 520
- 121 - 350
- 0 - 120

Achigan

Prugh Lake

Wolfe Lake

Upper Sheppard Lake

3006059

4247773

4247772

4247770

4247751

1:10,000

0 250 500 1,000 Meters

MAVERICK INVESTMENT CORP.

SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16
COUNTS PER MINUTE
CPM
(UTM NAD 83 / ZONE 17)

ADVANCED TECHNOLOGY FOR A SAFER WORLD

GR-135 Plus "Identifier"

Sensitive, accurate survey meter and nuclide identifier for rugged field applications

The EXPLORANIUM GR-135 Plus "Identifier" is a complete solution for detecting and identifying radiation sources

The challenge: Quickly and accurately detect and identify gamma and neutron sources in the field despite rugged terrain, harsh weather and other difficult conditions. The solution: the EXPLORANIUM GR-135 Plus "Identifier." Fast, sensitive and accurate. Lightweight and rugged. Easy to carry and use, even in tough real-world scenarios.

Lift the GR-135 Plus from its docking station and it's active in survey mode. The large, backlit display shows real-time count, count rate and dose rate in numeric and graphic format, with audio feedback for eyes-free operation. Press the joystick on the handle at any time to identify isotopes. Store thousands of time-stamped readings for later analysis. And simply return the GR-135 Plus to its docking station to recharge, recalibrate, and upload stored readings.

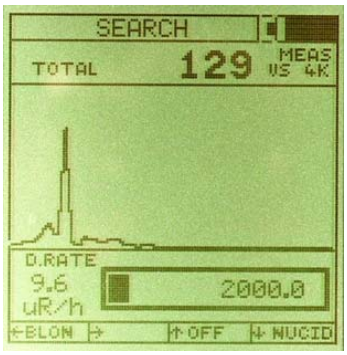
The GR-135 Plus is specially designed to identify SNM. With its sophisticated analysis techniques, the GR-135 Plus can identify a variety of SNM isotopes despite low levels or masking.

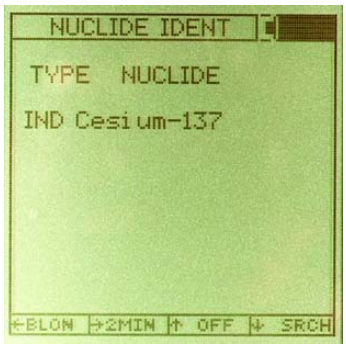
Key features

- Sensitive real-time search for gamma and neutron sources
- One click to identify SNM and other nuclides
- Easy one-hand, one-touch operation
- Rugged design for harsh conditions
- Docking station for recharge, calibration and data upload
- Complies with ANSI and CE RFI and EMI requirements

LAURUS Systems, Inc. - Ph: 410-465-5558 - Fax: 410-465-5257 - www.LaurusSystems.com

GR-135





The GR-135 Plus displays survey and nuclide identification data in graphic and text formats

Sensitive, accurate, easy to use

The GR-135 Plus uses a variety of sophisticated techniques to accurately detect and identify nuclides, including a 1,024-channel high-resolution analyzer; stabilized, thermally corrected gain; and pulse pile-up rejection to reduce errors at high count rates. Users can define energy ranges to search for specific nuclides. The unit includes four predefined nuclide libraries, and SAIC can provide custom libraries for specific applications.

The unit is easy to carry and use in one hand using the thumb joystick. Typical operations are simple and automatic. The large, backlit LCD display features auto-scaling and zoom for graphs, and can display text in many languages. Audio feedback lets users search without watching the unit. Advanced users can customize alarm levels and other parameters for specific applications.

The GR-135 Plus can store thousands of time-stamped readings in non-volatile memory. Users can quickly replay and re-analyze stored readings on the unit. In its docking station, the unit can upload stored data to standard workstations for more detailed analysis using the powerful IdentiVIEW application, and for transmission and archiving.

Built for tough, real-world conditions

The rugged GR-135 Plus stands up to temperature, dirt and moisture in harsh conditions and withstands the typical shock and vibration of use in the field. SAIC's annual performance service provides testing, calibration, adjustment, software upgrades and more to keep the unit operating at its best.

Energy range	20 keV – 3.0 MeV
Resolution	Better than 7.5% FWHM at 662 keV
Data storage	40,000 dose samples, 185 spectrum samples
EM compliance	Complies with ANSI N42.34 and CE requirements for safety, RFI and EMI
Physical	Dimensions: 229 mm long x 102 mm wide x 172 mm high (9 in long x 4 in wide x 6.75 in high) Weight: 2.2 kg (4.8 lb)
Environmental	Operating temperature: –10° to 50° C (14° to 122° F) Relative humidity: 93% non-condensing at 40° C (104° F)
Battery life	Continuous operation: 8 hours (rechargeable), 12 hours (alkaline)

LAURUS SYSTEMS

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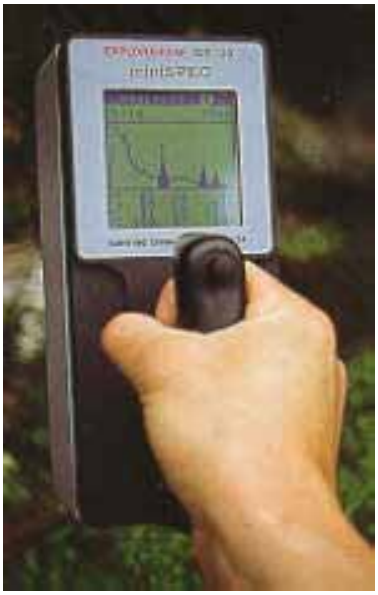
RADIOMETRIC SYSTEMS



GR-135G

Handheld Gamma Ray Spectrometer

Features

- 1000 Channel Operation
- Assay Mode for %K, PPM eU, PPM eTh
- Automatic Gain Stabilization
- Graphics Display
- Internal Memory

General

The GR-135G is an ideal instrument for the exploration geologist/geophysicist looking for a light weight spectrometer. The 4.5 cubic inch crystal provides more sensitivity than many handheld scintillometers, plus with automatic gain stabilization the spectrum is free from drift, dramatically improving data quality.

The GR-135G allows long integration times, up to an hour or more. With the automatic gain stabilization these long integration times will yield accurate data. Typical precision in assay mode with a two minute integration is 0.4% K, 1 PPM eU, and 3 PPM eTh.

For general reconnaissance work the GR-135G may be operated in Scan mode, with readings every second. This mode provides a variable audio tone corresponding to count rate. The graphics display uses a chart recorder type output in this mode, displaying the last 60 readings. Time is stored with each reading. Memory storage is 10,000 samples or 200 spectra.

The GR-135G is truly a portable instrument, weighing just 2.2 Kg. An ergonomically designed handle and carrying case with shoulder strap make it easy to carry in the field. Built for rugged field conditions it will operate from -10ø C to 50ø C, and is weatherproof.

A Base Station mode is available to monitor changes in local site conditions. This may be useful to record radon flux changes. Power is supplied by rechargeable battery pack, or two alkaline D-cell batteries. Current battery condition is displayed. Memory back up is provided by an internal lithium battery.

A single 4-way toggle switch handles all set up and control procedures. Simple menus on the LCD display guide the user easily through set up. The display features adjustable contrast for viewing in any light condition.

For Heath Physics applications the GR-135G is also offered as the GR-135 miniSpec. With an EPROM change the software converts to Dose Meter Mode, and Analysis Mode. The GR-135 miniSpec becomes a real time dosimeter that can be used to locate and measure radioactive sources. The Analysis mode can be used to identify the isotopes involved.

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RADIOMETRIC SYSTEMS

Specifications

Detector: 1.5" x 1.5" x 2" (4.5cu. ins. 0.07L) Sodium-Iodide detector for high sensitivity and high energy resolution.

Spectrometer: The system utilizes a 256 channel Gamma-Ray spectrometer permitting high resolution analysis of the spectra. The system may be set in the 0 - 0.75MeV or 0 - 1.5MeV mode to more accurately identify isotopes in the lower portion of the spectrum - or to the full 0 - 3.0MeV range, permitting analysis of all nuclides in the spectrum.

Spectrum Stabilization: Automatic gain stabilization is used to eliminate drift. The unit displays system performance parameters including gain and detector resolution.

Spectrum Display: In this mode the accumulated spectrum is displayed and the user can use the 4-way switch to move a cursor up and down the spectrum to inspect special peaks. The display also gives the current channel number and count rate. This feature is used for detailed analysis of the spectrum.

Peak Analysis: All the peaks that can be identified are listed, showing their energy and intensity.

Nuclide Identification: The system has a built-in library of isotopes. Peaks are automatically identified and individual nuclides determined; then displayed for easy interpretation.

Assay Mode: %K, PPMeU, PPMeTh based on internal calibration constants.

Assay Accuracy: 120 sec. count in a normal background area with 2%K, 2ppm U and 8ppm Th.

Assay Precision: K= ±0.35%, U= ±1.5ppm, Th= ±2.6ppm

Exposure Rate: The user can select the display of exposure rate in appropriate units- selections are µR/h, µSv/h or µGy/h. Measuring range 0.5µR/h - 10mR/h.

Survey Mode: In this mode the GR-135G operates as a Gamma Ray scintillator indicating counts/sec with adjustable integration time, audible alarm and chart recorder display.

Scan Mode: In this mode the system is being used in a search mode, primarily to locate a source of radiation. The audio tone varies with radiation levels to permit easy "eyes-only" scanning.

Controls: A special molded handle has an integrated 4 way switch (joy stick) permitting user friendly, "one-button", menu driven operation.

Data Storage: The GR-135G can store up to 10,000 single readings or 200 full 256-channel spectra. Data storage is backed up with an internal lithium battery protecting the data while changing the main battery. The data is Time/Date tagged for accuracy.

Data Output: The data storage in memory may be retrieved via an RS-232 data output at 9600baud. Special software is available to display trends in Survey or Dose data. Full spectral data may also be downloaded to a computer.

Base Station: In this mode the system can be set to cycle at a regular rate (1min -1hr) and store data in memory. This mode is intended for long term local site monitoring. Data can be total count rate or full spectrum recording.

Remote: All functions of the GR-135G can be controlled remotely from an external computer or modem.

Mechanical: This instrument is well balanced and housed in a rugged aluminum case with full weather proofing, including short term water immersion. Operating temperature range is -10øC to 50øC. Size is 4.0" x 9.0" x 3.5" (101 x 228 x 89mm). Weight is 51 lbs (2.2kgs) including internal battery.

Battery: The GR-135G is powered by 2 D-cell alkaline batteries permitting typically 30 hours of operation at 25øC. Rechargeable D-cells also can be used. The supplied battery charger permits recharging overnight without removing the batteries.

Functions: Measurement mode setting (survey, analyses, calibrate, stabilize, exposure rate.) Internal parameter setting (exposure rate units, alarm threshold, energy range, time of measurement, data output, integration time). Spectrum display (moving cursor, vertical rage). Start, Stop and Menu switching.

Display: High contrast 128 x 128 dots backlit graphic display.

Connectors: in back panel RS-232 serial port, external charger.

Standard Components

GR-135G, carrying strap, RS-232 cable and software, shipping case, and instruction manual.

Ordering Information

Description	Order Number
GR-135G	250-200-0200
Health Physics EPROM	250-200-0210

Legend

MAVERICK CLAIMS

Uranium (ppm)

- 34 - 46
- 25 - 33
- 17 - 24
- 9 - 16
- 0 - 8

Achigan

Prugh Lake

Wolfe Lake

Upper Sheppard Lake

3006059

4247773

4247772

4247770

4247751

1:10,000

0 250 500 1,000 Meters

MAVERICK INVESTMENT CORP.

SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16

URANIUM (PPM)

(UTM NAD 83 / ZONE 17)

Legend

MAVERICK CLAIMS

TRAVERSES

- MAY 17, 2011
- MAY 18, 2011
- MAY 19, 2011
- MAY 21, 2011
- MAY 24, 2011
- MAY 25, 2011
- MAY 26, 2011
- MAY 27, 2011

Achigan

Prugh Lake

Wolfe Lake

Upper Sheppard Lake

3006059

4247773

4247772

4247770

4247751

MAY 25, 2011

MAY 24, 2011

MAY 27, 2011

MAY 13, 2011

MAY 21, 2011

MAY 26, 2011

MAY 18, 2011

MAY 17, 2011

1:10,000

0 250 500 1,000 Meters

MAVERICK INVESTMENT CORP.

SHIELDS TOWNSHIP, ONTARIO
MAPSHEET 41K16

TRAVERSE DATES

(UTM NAD 83 / ZONE 17)