

**REPORT
on the
FALL 2007 POWER-STRIPPING PROGRAM
KIRANA CLAIM GROUP
CLAIM L802838
MORRISETTE TOWNSHIP, ONTARIO**

NORTHERN GOLD MINING INC.

2.3658³



**Ken Rattee, BSc
Project Geologist
November 27, 2007**

INTRODUCTION

Northern Gold Mining Inc. Kirana Claim Group in which the work covered in this report was carried out on comprises 86 contiguous claim units, 4 patent blocks and 8 non-contiguous claim units just south of the main group. The claim group is spread across 4 townships (Morrisette, Lebel, Bernhardt and Teck), 5 kms. to the northeast of Kirkland Lake, Ontario. The stripping, mapping and sampling project, the subject of this report, was carried out between Nov. 6 and Nov. 30, 2007 occurred on Claim L802838 in Morrisette Township within Northern Gold's Kirana Claim Group. The area is readily accessible via well-maintained paved and dirt roads from the town of Kirkland Lake. The stripping area can be reached by following the Airport Road northeast from Kirkland Lake to a point 100 metres west of the airport parking lot, then turning southeast onto a bush road and traveling along this main bush road for approximately 2900 metres to a branch in the road, taking the road that branches to the northeast and traveling approximately 500 metres to another branch and taking the road that branches southeast and traveling 450 metres to the general area of the stripping on Claim L802838. An area approximately 105 metres by 15 metres was stripped and subsequently mapped and sampled. Due to the generally, broken, "rubbly" nature and steep slopes of the stripped area channels for sampling were not cut with a channel saw, rather 62 grab samples were taken both systematically and selectively across the area and assayed for gold and base metals.

GENERAL GEOLOGY

The Morrisette Property lies on the southwestern limb of the Blake River Syncline within the southwestern limb of the Blake River Syncline. Mafic volcanics of the Kinojevis Group dominate the property area. The Kinojevis mafic volcanic assemblage generally consists of Mg-rich and Fe-rich tholeiitic basalt lavas, although minor lenses of tholeiitic dacite and rhyolite may occur to the top of the group. Minor interflow sedimentary horizons also occur in this volcanic assemblage. Overlying the Kinojevis to the north of the property, is the predominantly calc-alkaline volcanic assemblage of the Blake River group that occupies the core of the regional synclinal structure. The Kinojevis volcanics have been intruded by tholeiitic gabbroic sills, syenite and quartz-feldspar porphyry dykes and plugs, and finally by late diabase dykes. The stratigraphy is near vertical with local variations in dip to 70°N. Carbonatization is widespread and most intense along the porphyries and the stronger shear zones. Sericite alteration occurs with the more intense areas of carbonatization. Leucoxene alteration in basalt and gabbro is widespread.

Small shear zones occur across the general area of the property, striking mainly east to northeast and dipping mainly vertical to 70° north. The Kirana Fault which appears to control the Au mineralization at the Kirana Mine in northeastern Teck Township approximately 5 kms. to the west of the stripped area possibly projects to a mapped fault just south of Morrisette Lake just north of the stripping area. The Kirana Fault is a major 20 to 30 foot shear zone with auriferous quartz-carbonate veins locally, steeply south dipping ≥ 70° south.

with 40% mafics in a plagioclase matrix. This unit is possibly related or synonymous with the diabase dykes described in the area. Localized areas within the intrusive exhibited strong surface oxidization and occasional hairline pyritic stringers and 'clots' to 3 cm. and highly irregular quartz-carbonate stringers. No significant gold or base assays were returned from samples taken in this area.

FUTURE WORK

In 2008 Northern Gold Mining proposes a regional exploration program to cover the area of this power-stripping as well as the entire Kirana Claim Group. Following research and available data compilation, surface grids will be cut over selective regions. Geophysical, geochemical and geological surveys will be conducted to define targets for follow-up diamond drilling. The program will undoubtedly be multi-year in duration.

Dan Kettler, BSC

Dec. 1/07

**Statement of Cost for Mining Claim L - 802838, Morrisette Township, Larder Lake
Mining Division, District of Temiskaming.**

<u>Date</u>	<u>Description</u>	<u>Amount</u>
Nov 06/07	T. O'Connor. 275.00/day, mark out trench area.	275.00
	Atv, 100.00/day	100.00
Nov 07/07	T. O'Connor, 275.00/day, take grab samples in trench area.	275.00
	Ken Rattee, consultant geologists 600.00/day	600.00
	Atv, 100.00/day	100.00
Nov 08/07	T. O'Connor, 275.00/day, assist geologist	275.00
	K. Rattee, take samples and map low areas	600.00
	Alex MacIntyre & Associates Ltd, Float, truck for excavator, 1.5 hrs @ 110.00/hr	165.00
	Excavator, 10 hrs @ 125.00/hr	1250.00
	Atv, 100.00/day	100.00
Nov 10/07	T O'Connor, 275.00/day, cut out water line for presser pump	275.00
	B. Boudreault Helper 180.00/day	180.00
	Atv, 100.00/day	100.00
Nov 12/07	Tom O'Connor, 275.00/day, washing. Wajax pump, including hoses & fuel	275.00
	B. Boudreault, helper,	180.00
	Ken Rattee, 600.00/day, mapping	600.00
	Pat Culhane, helper, 180.00/day	180.00
	Atv, 100.00/day x 2	200.00
Nov 13/07	Tom O'Connor, washing. Wajax pump, including hoses & fuel	275.00
	B. Boudreault, helper,	180.00
	Ken Rattee, 600.00/day, mapping	600.00
	Pat Culhane, helper, 180.00/day	180.00
	Atv, 100.00/day x 2	200.00
Nov 28/07	Ken Rattee, 600.00/day, report.	600.00
Nov 29/07	Ken Rattee, 600.00/day, report.	600.00
Nov 30/07	Ken Rattee, 600.00/day. report	600.00
Nov 30/07	Assays to date, 37@ 18.00/each	<u>666.00</u>
<u>Total amount claimed</u>		\$ 9,991.00

Ken Rattee

Dec. 1/07

LINKS STRIPPING ASSAY LIST

- #353001 – massive sulfides
Au 26 ppb, Cu 880 ppm, Pb 1 ppm, Zn 34 ppm
- #353002 – 5-10% sulfides
Au 19 ppb, Cu 556 ppm, Pb 1 ppm, Zn 34 ppm
- #353003 – 10-15% sulfides
Au 12 ppb, Cu 655 ppm, Pb 1 ppm, Zn 25 ppm
- #353004 – 10-15% sulfides
Au Nil ppb, Cu 564 ppm, Pb 1 ppm, Zn 39 ppm
- #353005 – 5-10% sulfides
Au Nil ppb, Cu 452 ppm, Pb 1 ppm, Zn 31 ppm
- #353006 – 5% sulfides
Au Nil ppb, Cu 265 ppm, Pb 1 ppm, Zn 37 ppm
- #353007 – 10-15% sulfides
Au Nil ppb, Cu 700 ppm, Pb 1 ppm, Zn 27 ppm
- #353008 – 10-15% sulfides
Au 122 ppb, Cu 1310 ppm, Pb 1 ppm, Zn 38 ppm
- #353009 – 1" qtz-carb vn, sulfides
Au 1.26 g/t, Cu 4550 ppm, Pb 1 ppm, Zn 388 ppm
- #353010 – 4" bullish-looking QV, 2-3% fine py rimming QV, rusty
Au 24 ppb, Cu 130 ppm, Pb 1 ppm, Zn 55 ppm
- #353011 – 5-7% py+cpy as coarse ‘clots’, locally very highly conc, very rusty, Rhyolite
Au 45 ppb, Cu 703 ppm, Pb 1 ppm, Zn 76 ppm
- #353012 – 5-7% fg to cg py as coarse clots, minor qcs’s, highly chloritized, very rusty,
chloritized Rhyolite
Au 38 ppb, Cu 1400 ppm, Pb 1 ppm, Zn 49 ppm
- #353013 – 1" py-rich chl strgr, 10-15% mg to cg disseminated py with strgr, 1-2% py in rhy adj
to strgr
Au Nil ppb, Cu 273 ppm, Pb 1 ppm, Zn 57 ppm
- #353014 – chloritized Rhyolite, 2-3% fine py locally conc as coarse clots
Au 36 ppb, Cu 209 ppm, Pb 1 ppm, Zn 50 ppm

#353251 – rusty shear, fine sulfides
Au Nil ppb

#353252 – rusty shear, massive sulfides
Au 3 ppb

#353253 – rusty shear, massive sulfides
Au Nil ppb

#353254 – rusty, pale grey, fine-grain mafic volcs, 1-2% sulfides
Au Nil ppb

#353255 – 2% sulfides, sheared, fine-grained, mafic volcanic
Au 51 ppb

#353256 – massive sulfides, shear, fine-grained, mafic volcanic
Au Nil ppb

#353257 – 1% sulfides, possible shear, mafic volcanic
Au 22 ppb

#353258 – massive sulfides, rusty shear, pale grey, mafic volcanics
Au 24 ppb

#353259 – massive sulfides, rusty shear, graphite, mafic volcanic
Au 715 ppb

#353260 – massive sulfides, rusty, graphite, mafic volcanic
Au Nil ppb

#353261 – massive sulfides, rusty shear, graphite, mafic volcanic
Au 12 ppb

#353262 – 10% sulfides, altered, bleached mafic volcanics
Au 22 ppb

#353263 – 10% sulfides, altered, bleached mafic volcanics
Au 890 ppb

#353264 – 10% sulfides, altered, bleached mafic volcanics
Au 24 ppb

#353265 – 5-10% sulfides, highly weathered, platy, mafic volcanic
Au 38 ppb

#353266 – 5% py, cpy?, ash flow
Au 9 ppb

#353267 – 2-3% py, ash flow
Au 7 ppb

#353268 – trace py, ash flow
Au 10 ppb

#353269 – 5-10% py stringers, minor qtz blebs, mafic volcanic
Au Nil ppb

#353270 – tr py, mafic volcanic
Au Nil ppb

#353271 – 1-2% fine to medium-grained, py, mafic volcanic
Au 7 ppb

#353272 – 3-5% py, minor qtz-carb stringers, locally weathered, rhyolite
Au Nil ppb

#353273 – 7-9% coarse-grained py, carb alteration, rhyolite
Au 9 ppb

#353274 – 3-5% py as coarse clots to 2 cm., rhyolite
Au 10 ppb

#353275 – 1-2% py, minor qtz-carb stringers, rhyolite
Au 10 ppb

#353276 – 3-5% sulfides, minor qtz-carb stringers, fresh rhyolite
Au Nil ppb

#353277 – 7-10% py locally conc., hair-line qtz fractures, mafic volcanic
Au Nil ppb

#353278 – trace py, mafic volcanics
Au 7 ppb

#353279 – 1-2% fine to coarse-grained, mafic volcanic
Au Nil ppb

#353280 – trace pyrite, minor qtz-carb stringers, diorite
Au Nil ppb

#353281 – trace pyrite, diorite
Au Nil ppb

#353282 – 2-3% py locally as 1 cm. stringers, diorite
Au Nil ppb

#353283 – 1-2% fine to coarse-grained, disseminated py, diorite
Au Nil ppb

#353284 – 5-7% disseminated py locally conc. as stringers, diorite
Au Nil ppb

#353285 – 1-2% py locally as 1-2 cm stringers, qtz clots, fresh diorite
Au Nil ppb

#353286 – 10-15% py conc. as 1-1½ cm stringers, sulf becomes conc. locally,
fresh diorite
Au 7 ppb

#353287 – 10-15% py conc. as stringers, diorite
Au 9 ppb

#48551 – 2-3% fg py locally conc., grey rhyolite
Au 19 ppb, Cu 213 ppm, Pb 1 ppm, Zn 25 ppm

#48552 – 7-9% fine-grained py locally highly conc, pale grey rhyolite, highly oxidized
Au Nil ppb, Cu 2180 ppm, Pb 1 ppm, Zn 46 ppm

#48553 – 3-5% fine-grained py locally highly conc., pale grey rhyolite
Au 39 ppb, Cu 289 ppm, Pb 1 ppm, Zn 40 ppm

#48554 – 7-9% fine to coarse-grained py highly conc. as coarse clots to 4 cm, highly
weathered, rusty rhyolite
Au 5.16 g/t, Cu 668 ppm, Pb 1 ppm, Zn 59 ppm

#48555 – 1-2" bullish qtz-carb vn, minor fine py rimming Vn, fresh diorite
Au 2 ppb, Cu 38 ppm, Pb 1 ppm, Zn 35 ppm

#48556 – 7-9% fine to coarse-grained py locally highly conc. as coarse clots to 2 cm.,
fresh diorite
Au 84 ppb, Cu 335 ppm, Pb 1 ppm, Zn 52 ppm

#48557 – 9-11% py locally conc. as coarse clots, minor cpy?, fresh diorite
Au 33 ppb, Cu 61 ppm, Pb 1 ppm, Zn 50 ppm

#48558 – 13-15% medium to coarse grained, predominantly euhedral py as a 1" pyritic stringer, diorite

Au 31 ppb, Cu 548 ppm, Pb 1 ppm, Zn 38 ppm

#48559 – bullish ½-2" Qtz-Carb Vn, fresh diorite

Au Nil ppb, Cu 65 ppm, Pb 1 ppm, Zn 43 ppm

#48560 – bullish-looking, irregular, 1-2" Qtz-Carb Vn, chl fractured

Au 5 ppb, Cu 36 ppm, Pb 1 ppm, Zn 47 ppm

#48561 – 7-9% medium to coarse-grained, euhedral py as 2" stringers locally highly

conc., diorite

Au 5 ppb, Cu 824 ppm, Pb 1 ppm, Zn 41 ppm



Established 1928

Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate**7W-3535-RG1**Company: **NORTHERN GOLD MINING INC.**

Date: NOV-23-07

Project:

Attn: **K. Rattee**

We hereby certify the following Geochemical Analysis of 14 Rock samples submitted NOV-14-07 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Pb PPM	Zn PPM
353001	26	-	880	1	34
353002	19	-	556	1	49
353003	12	-	655	1	25
353004	Nil	-	564	1	39
353005	Nil	-	452	1	31
353006	Nil	-	265	1	37
353007	Nil	-	700	1	27
353008	122	-	1310	1	38
353009	1251	1269	4550	1	388
353010	24	-	130	1	55
353011	45	-	703	1	76
353012	41	34	1400	1	49
353013	Nil	-	273	1	57
353014	36	-	209	1	50
Blank	Nil	-	-	-	-
STD OxK48	3497	-	-	-	-

Certified by Denis Cloutier



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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate**7W-3534-RG1**Company: **NORTHERN GOLD MINING INC.**Date: **NOV-23-07**

Project:

Attn: **K. Rattee**

We hereby certify the following Geochemical Analysis of 11 Rock samples submitted NOV-14-07 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Pb PPM	Zn PPM
48551	19	-	213	1	25
48552	Nil	-	2180	1	46
48553	39	-	289	1	40
48554	5383	4937	668	1	59
48555	Nil	3	38	1	35
48556	79	89	335	1	52
48557	33	-	61	1	50
48558	31	-	548	1	38
48559	Nil	-	65	1	43
48560	5	-	36	1	47
48561	5	-	824	1	41
Blank	Nil	-	-	-	-
STD DxEK48	3483	-	-	-	-

Certified by Dennis Chantler



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Swastika Laboratories Ltd

Assaying - Consulting - Representation

Geochemical Analysis Certificate**7W-3534-RG1**Company: **NORTHERN GOLD MINING INC.**

Date: NOV-23-07

Project:

Attn: K. Rattee

We hereby certify the following Geochemical Analysis of 11 Rock samples submitted NOV-14-07 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Pb PPM	Zn PPM
48551	19	-	213	1	25
48552	Nil	-	2180	1	46
48553	39	-	289	1	40
48554	5383	4937	668	1	59
48555	Nil	3	38	1	35
48556	79	89	335	1	52
48557	33	-	61	1	50
48558	31	-	548	1	38
48559	Nil	-	65	1	43
48560	5	-	36	1	47
48561	5	-	824	1	41
Blank	Nil	-	-	-	-
STD OxK48	3483	-	-	-	-

Certified by Dennis Chantler



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Page 1 of 2

Geochemical Analysis Certificate

7W-3493-RG1

Company: NORTHERN GOLD MINING INC.

Date: NOV-21-07

Project:

Attn: K. Rattee

We hereby certify the following Geochemical Analysis of 37 Rock samples submitted NOV-08-07 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Pb PPM	Zn PPM
353251	Nil	-	Results		
353252	3	-	to		
353253	Nil	-	follow		
353254	Nil	-			
353255	51	-			
353256	Nil	-			
353257	22	-			
353258	24	-			
353259	715	-			
353260	Nil	-			
353261	12	-			
353262	22	-			
353263	686	1094			
353264	24	-			
353265	38	-			
353266	9	-			
353267	7	-			
353268	10	-			
353269	Nil	-			
353270	Nil	-			
353271	7	-			
353272	Nil	-			
353273	9	-			
353274	5	15			
353275	10	-			
353276	Nil	-			
353277	Nil	-			
353278	7	-			
353279	Nil	-			
353280	Nil	-			

Certified by Denis Chato



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Page 2 of 2

Geochemical Analysis Certificate

7W-3493-RG1

Company: NORTHERN GOLD MINING INC.

Date: NOV-21-07

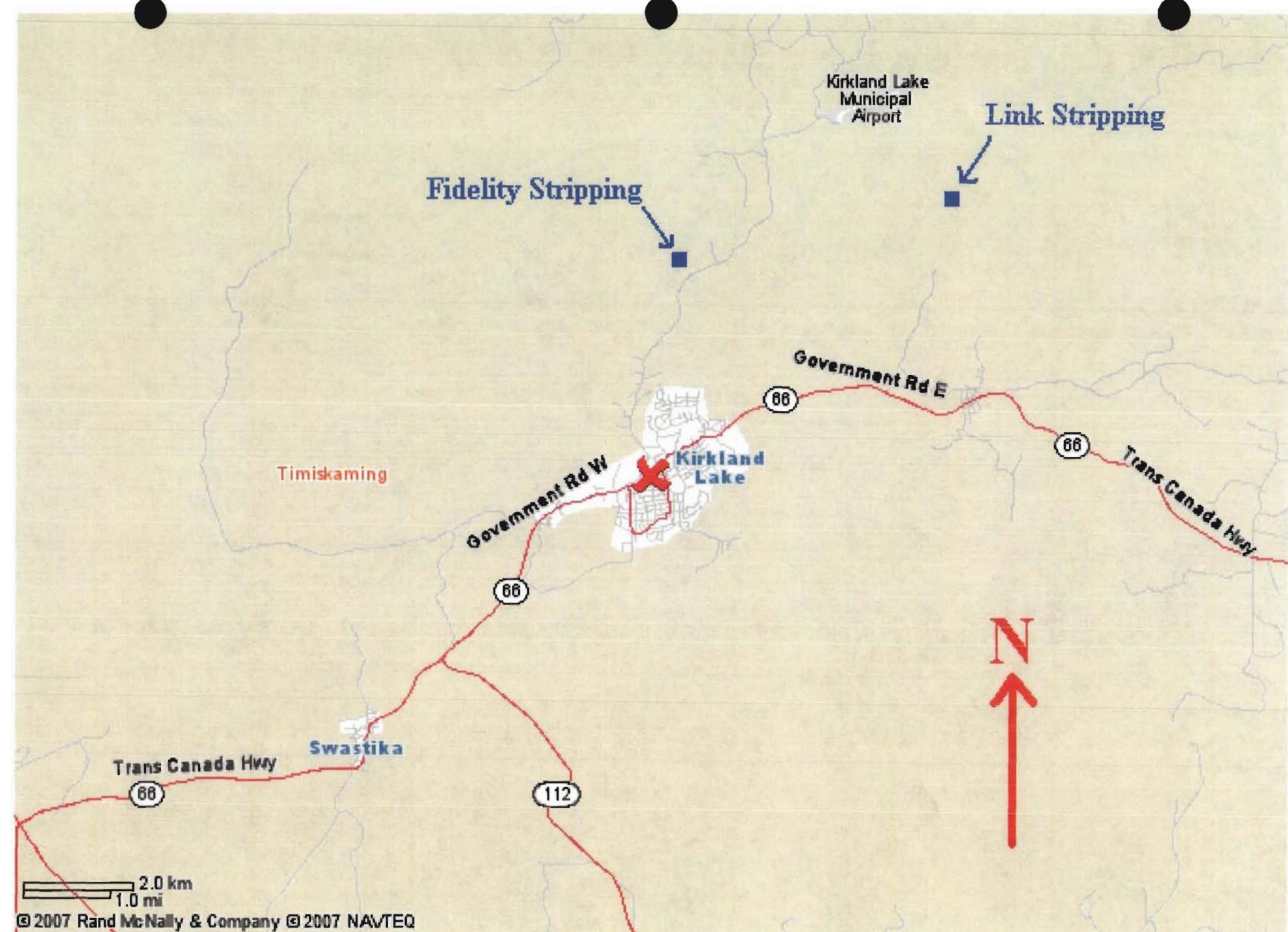
Project:

Attn: K. Rattee

We hereby certify the following Geochemical Analysis of 37 Rock samples submitted NOV-08-07 by .

Sample Number	Au PPB	Au Check PPB	Cu PPM	Pb PPM	Zn PPM
353281	Nil	-			
353282	Nil	-			
353283	Nil	-			
353284	Nil	-			
353285	Nil	-			
353286	7	-			
353287	9	-			
Blank	Nil	-			
STD OxK48	3614	-			

Certified by Denis Chantre



Link Stripping

Sheet 1

Morrisette Township

Claim # 802838

1:200

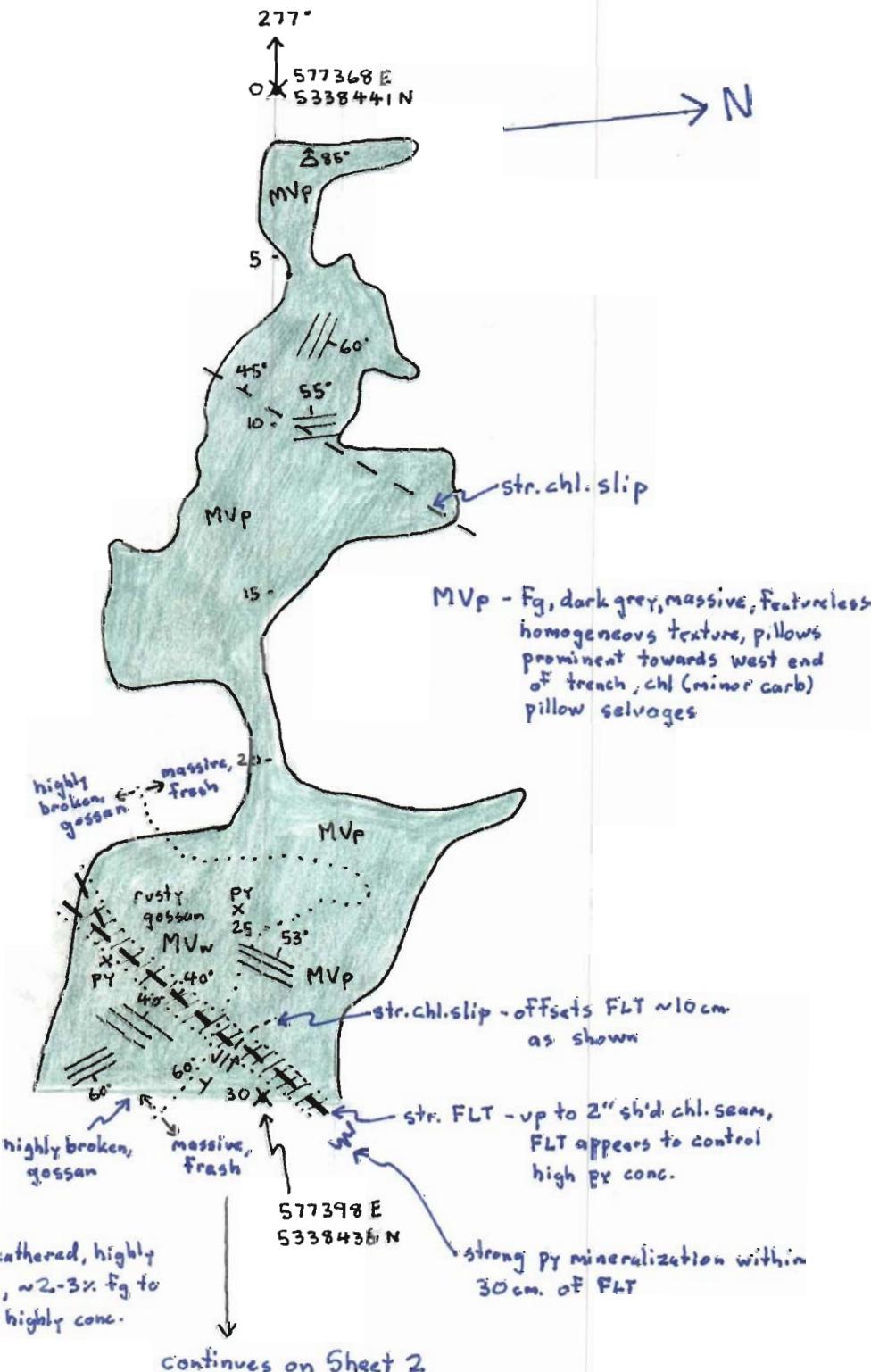
1 cm = 2 m

Ken Rattee

Map Datum: NAD 83

- FLT/slip with direction
- zone contact
- prominent joint plane
- pillar top with top direction
- strong py mineralization

MVw - highly weathered, rusty, highly broken gossan zone, primary texture where evident, fg, massive, mafic, featureless, dark grey



Link Stripping

Sheet 1

MorriseHe Township

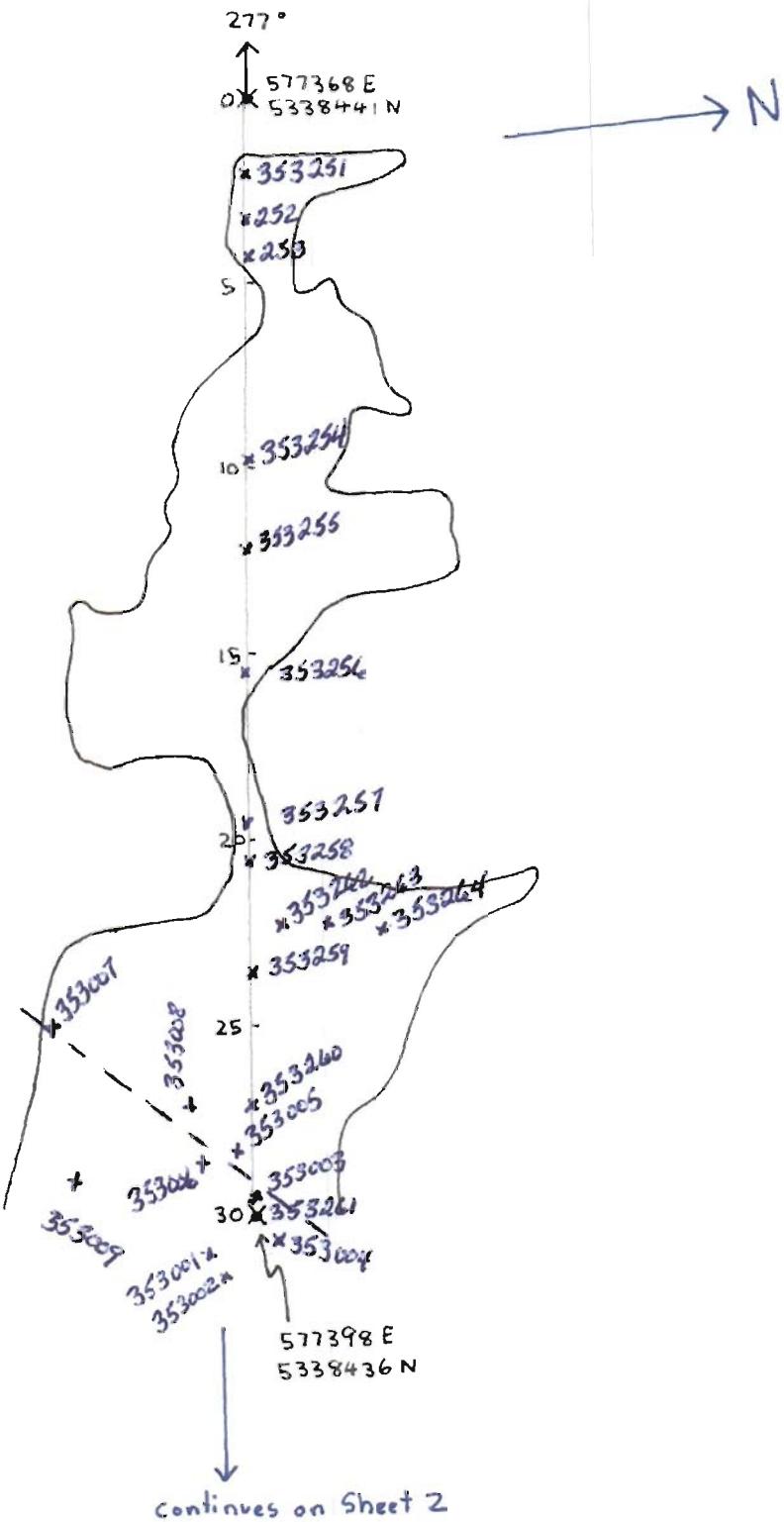
Claim # 802838

1:200

1cm = 2m

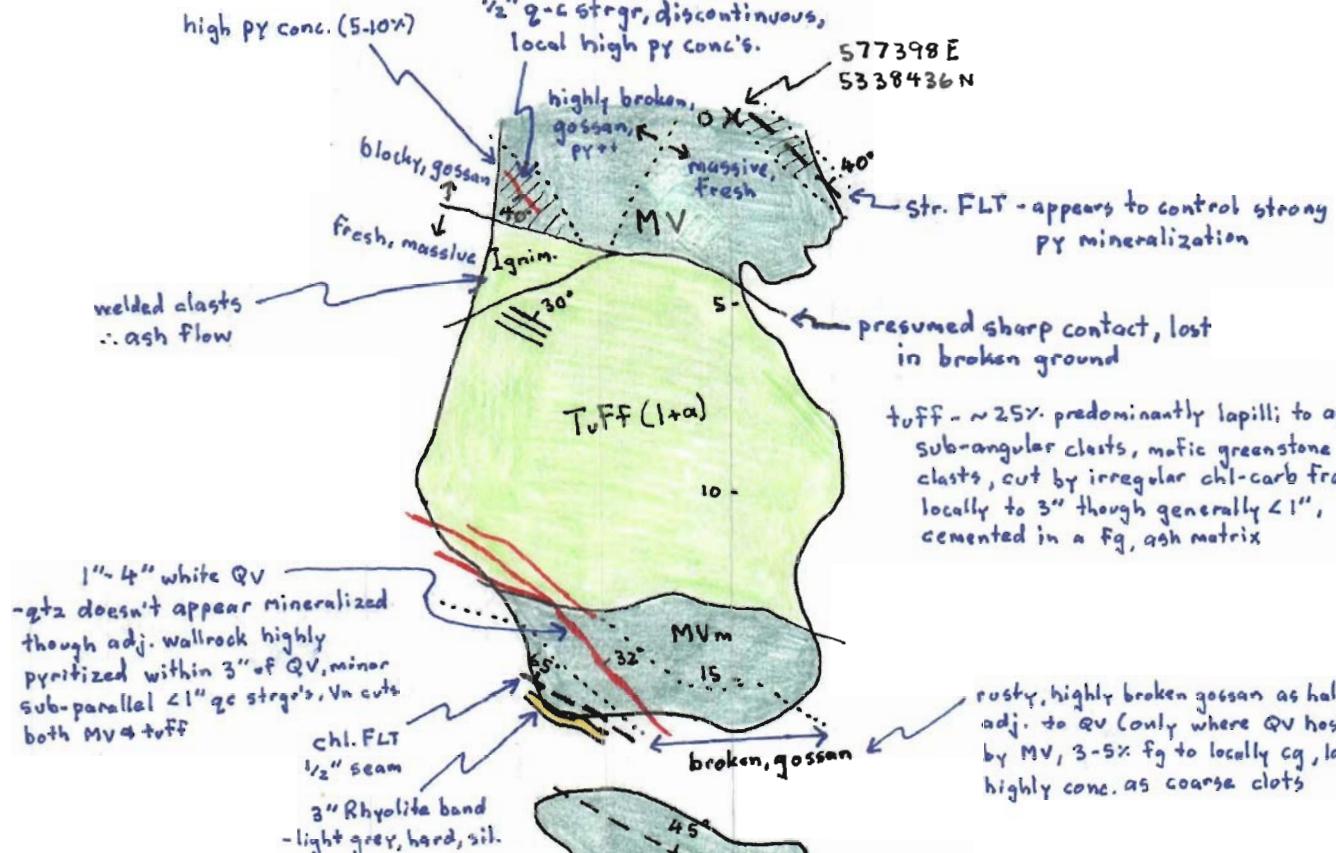
Ken Rathee

Map Datum: NAD 83



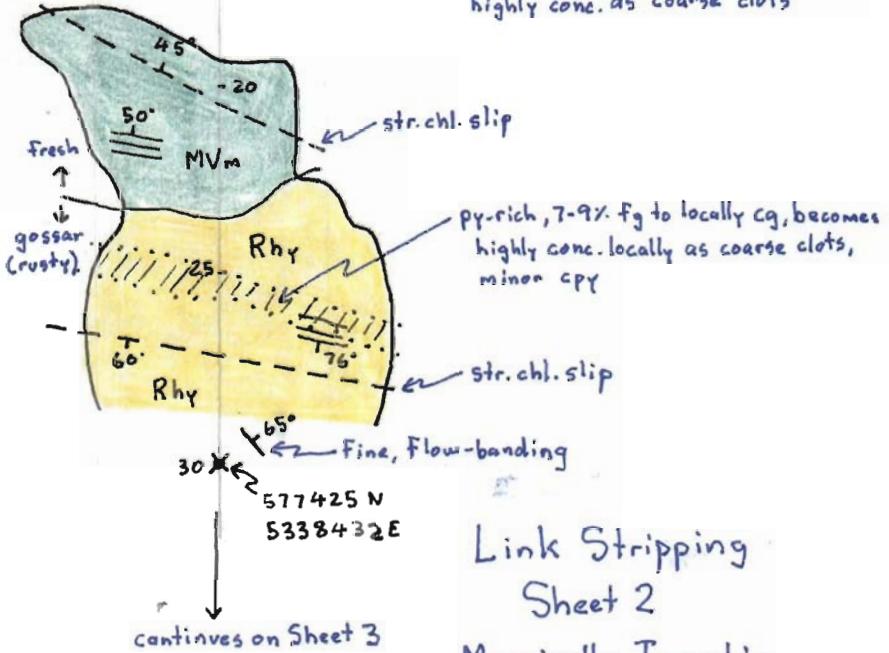
continues on Sheet 2

- - - - - FLT/slip
 - zone contact
 ——— - lithological contact
 (---) - prominent joint plane
 76° - strong py mineralization
 65° - banding / bedding



Mafic Volc. (massive) - fresh, dark grey, fg, featureless, homogeneous texture

Rhyolite - vfg, light grey, very hard sil., abundant chl fract. & localized alt. imparting a bx appearance locally, 2-3% fg to locally cq py becomes highly conc. locally, py becomes more conc. in local chl-rich sections, rusty, gossan throughout



Map Datum: NAD 83

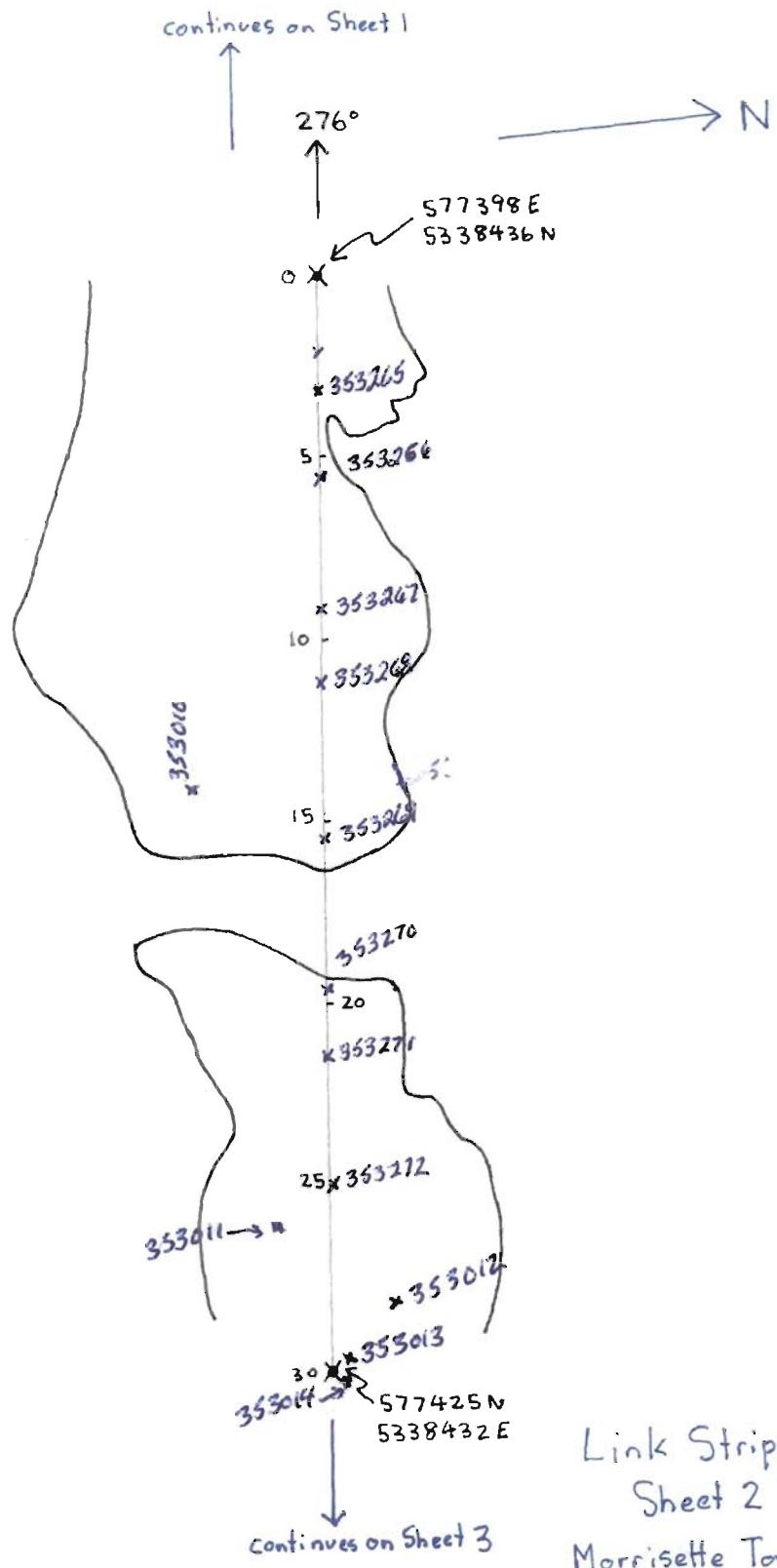
Morrisette Township

Claim # 802838

1:200

1 cm = 2 m

Ken Rattee



Link Stripping
Sheet 2

Morrisette Township

Claim # 802838

1:200

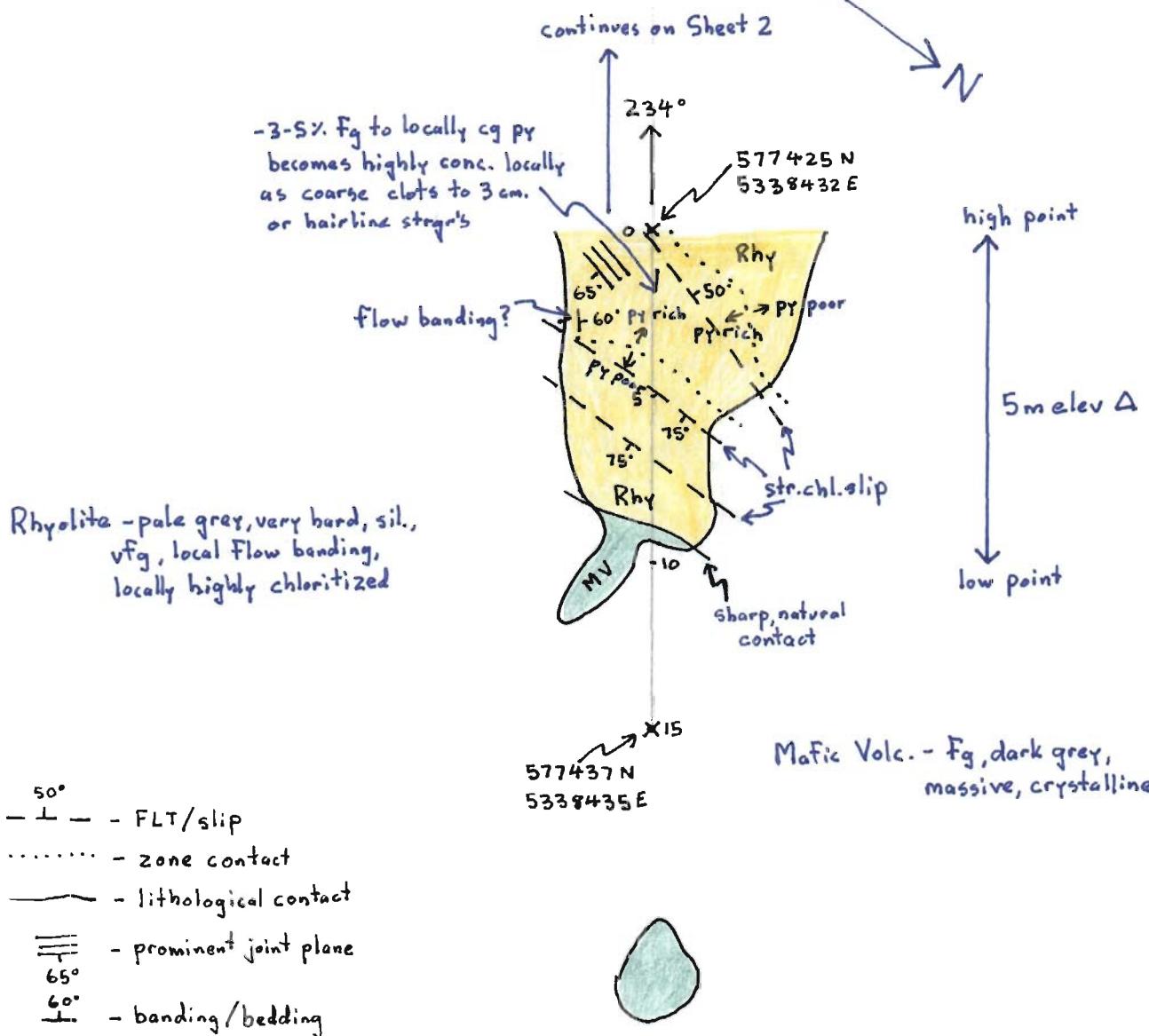
1 cm = 2 m

Ken Rattie

Map Datum: NAD 83

Link Stripping
 Sheet 3
 Morristette Township
 Claim # 802838
 1:200
 1 cm = 2 m
 Ken Rattie

Map Datum: NAD 83



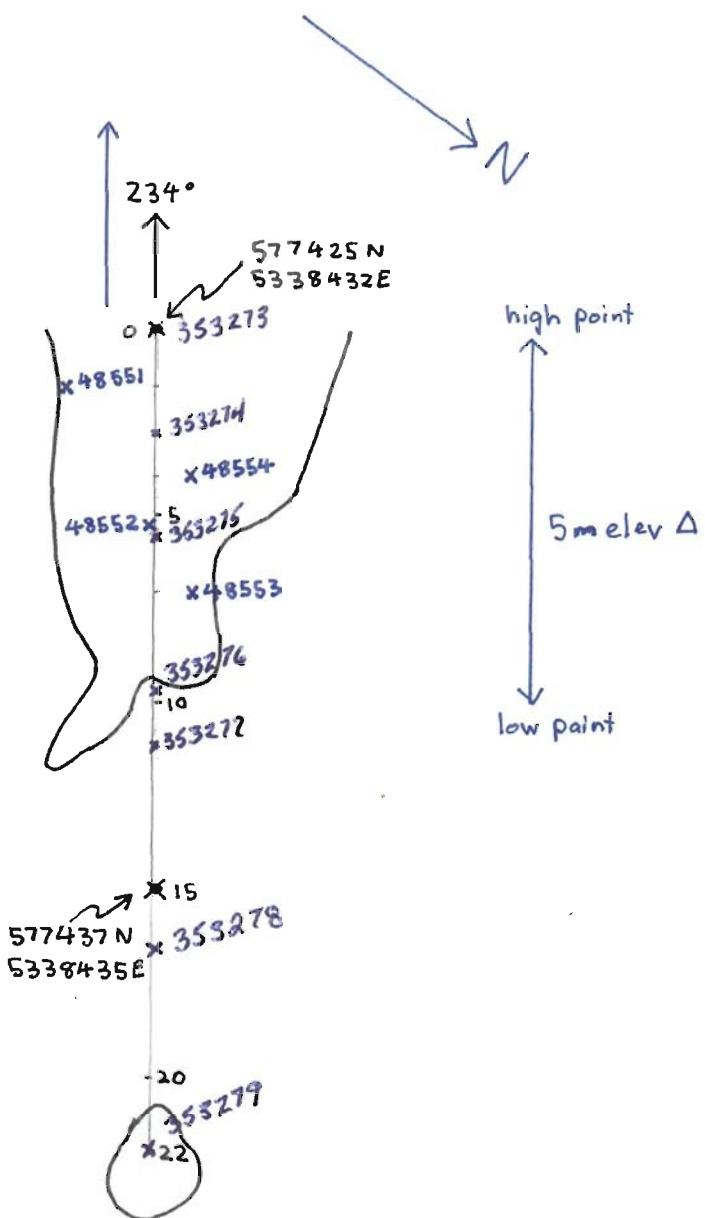
Link Stripping
Sheet 3
Morrisette Township
Claim # 802838

Map Datum: NAD 83

1:200

1 cm = 2 m

Ken Rattee



Link Striping

Map Datum : NAD 83

Sheet 4

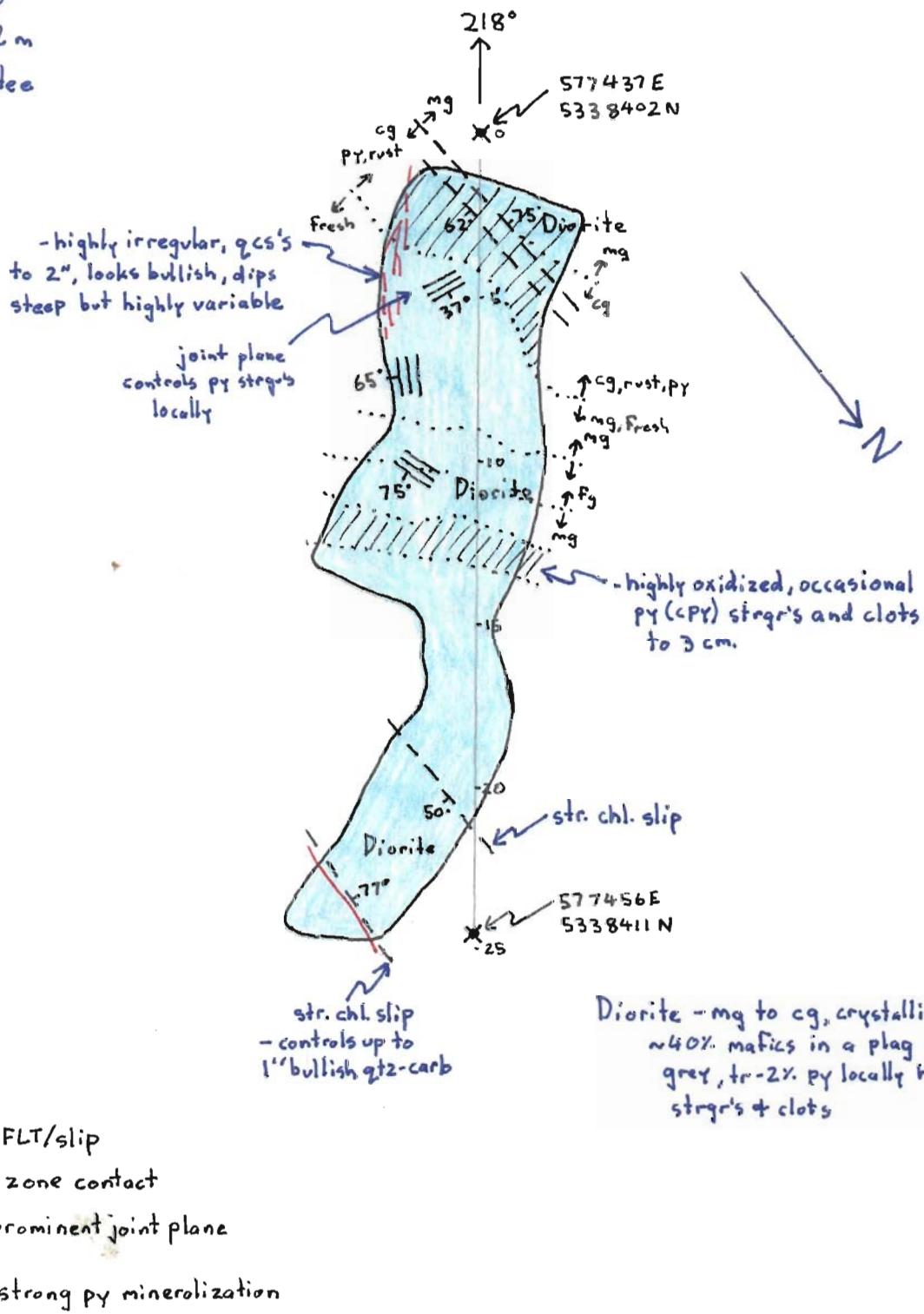
Morrisette Township

Claim #802838

1:200

1 cm. = 2 m

Ken Rathee



$\overline{\overline{\quad}}$ - FLT/slip

..... - zone contact

$\overline{\overline{\quad}}_{60^\circ}$ - prominent joint plane

$\overline{\overline{\quad}}$ - strong py mineralization

Diorite - mg to cg, crystalline, equigranular, ~40% mafics in a plagi matrix, dark grey, tr-2%. py locally highly conc as strgr's & clots

Map Datum : NAD 83

Link Stripping

Sheet 4

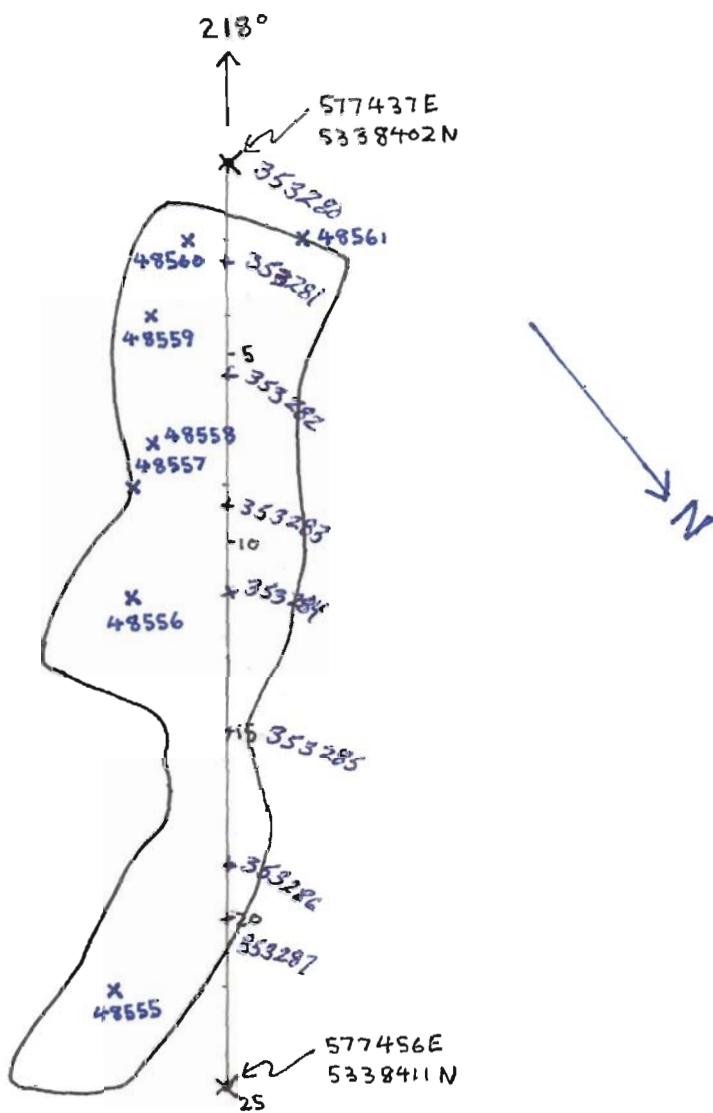
Morrisette Township

Claim #802838

1:200

1 cm. = 2 m

Ken Rattee



Date / Time of Issue: Mon Nov 19 10:35:24 EST 2007

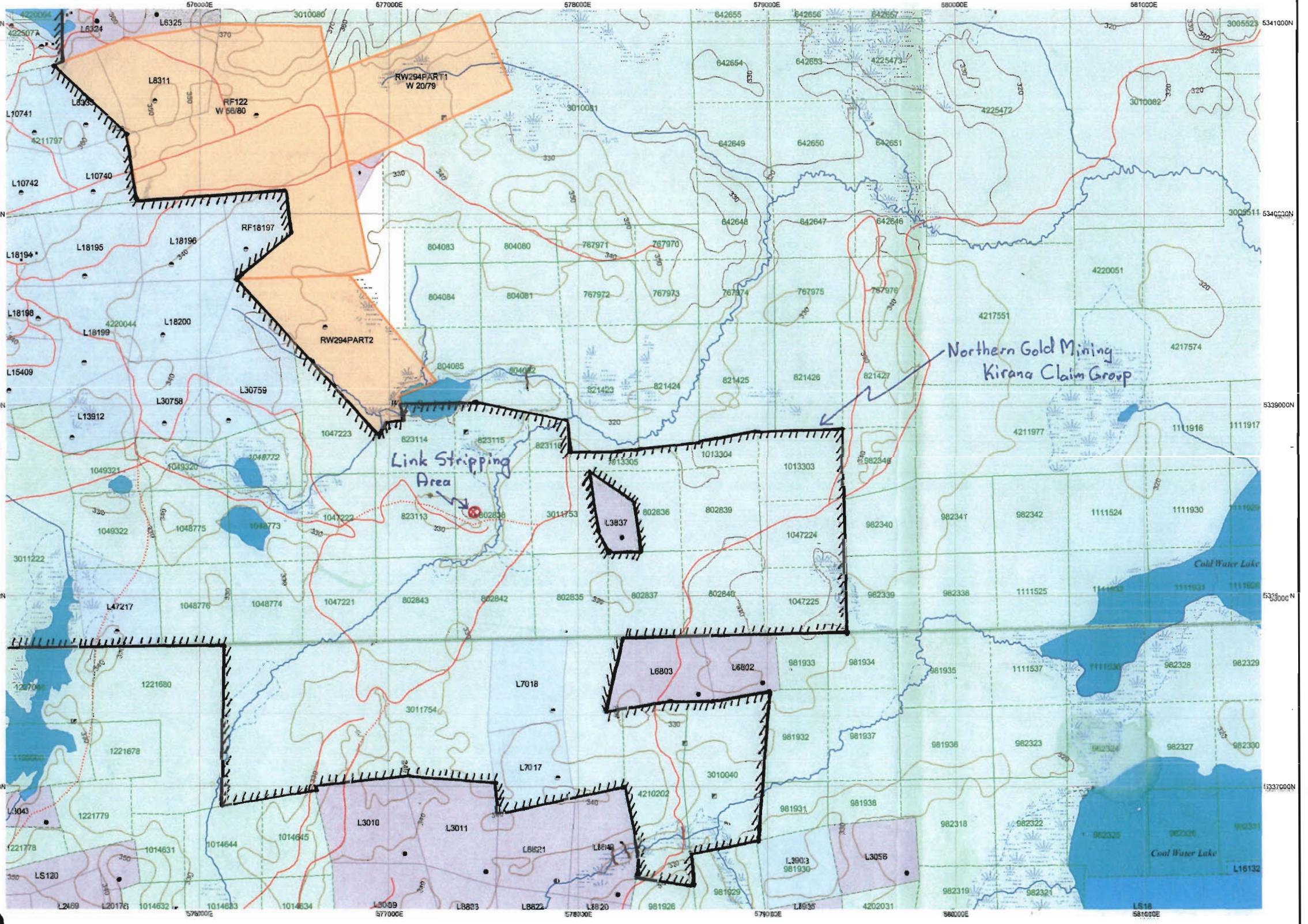
**TOWNSHIP / AREA
MORRISETTE**

**PLAN
G-3217**

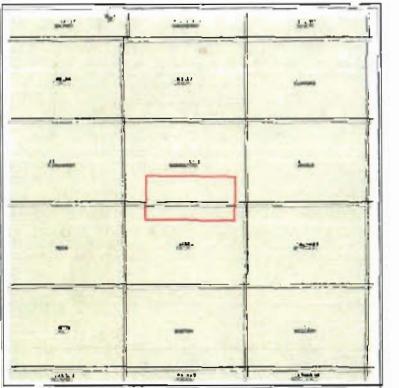
ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division
Land Titles/Registry Division
Ministry of Natural Resources District

Larder Lake
TIMISKAMING
KIRKLAND LAKE



TOPOGRAPHIC	Land Tenure
Administrative Boundaries	Franchise Patent
Township	Surface And Mining Rights
Concession, Lot	Surface Rights Only
Provincial Park	Mining Rights Only
Indian Reserve	
Clif, Bluff & Pits	
Contour	
Mine Sheds	
Mine Headframe	
Railway	
Road	
Trail	
Natural Gas Pipeline	
Utilities	
Tower	



1234	Area Withdrawn from Disposition?
Wm	Area Acted with Drawing Type
Wm	Surface And Mining Rights Withdrawn
Wm	Mining Rights Only Withdrawn
Wm	Crown in Crown Withdrawn
Wm	Surface And Mining Rights Withdrawn
Wm	Mining Rights Only Withdrawn
Wm	Mining Rights Only Withdrawn

IMPORTANT NOTICES

Scale 1:23045
400m 9m 1.2km

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
W 20/79	Wsm	Jan 1, 2001	SECTION 36/80 NR W 20/79 5-3-79 SR & MR 180705
W 20/79	Wsm	Mar 5, 2001	SECTION 36/80 NR W 20/79 5-3-79 SR & MR 180705
W 56/80	Wsm	Jan 3, 1980	SECTION 36/80 NR W 56/80 3-1-80 M.R.O. 160705

Those wishing to take mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown herein. This map is not intended for navigational survey, or land title/determination purposes; the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office
Willie Green Miller Centre 933 Ramsey Lake Road
Sudbury, ON P3E 6B5
Home Page: www.mndm.gov.on.ca/MNDM/MINES/LANDS/mismapage.htm

Toll Free

1-(888) 415-9845 ext 570

Map Datum: NAD 83

Projection: UTM (6 degree)

Topographic Data Source: Land Information Ontario

Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land, including certain patents, leases, easements, rights of way, flooding rights, licences, or other forms of disposition or grants issued by the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.