2.40598

2008 Sylvanite Tailings Sampling Program

"*Tom O'Connor Property*"

LEBEL TOWNSHIP

LARDER LAKE MINING DIVISION

February 2008

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Prepared By:

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For

Northern Gold Mining Inc.
Kirkland Lake, Ontario

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Section 3+60E N.....Scaled to fit
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Section 4+20E.....Scaled to fit
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Section 4+80E.....Scaled to fit
Section 5+10E.....Scaled to fit
Section 5+40E.....Scaled to fit
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Section 6+00E N.....Scaled to fit
Section 6+00E S.....Scaled to fit
Section 6+30E N.....Scaled to fit
Section 6+30E S.....Scaled to fit
Section 6+60E N.....Scaled to fit
Section 6+60E S.....Scaled to fit
Section 6+90E N.....Scaled to fit
Section 6+90E S.....Scaled to fit

Introduction

This report has been prepared by Northern Gold Mining Inc. to evaluate the potential of reclaiming gold from the old Sylvanite Mine tailings pond located northeast of Kirkland Lake in Lebel Township, Ontario.

The area covered in this report is part of a land package held by Tom O'Connor. The land package consists of 3 unpatented mining claims 8 units in size covering 128 hectares in the District of Timiskaming, Larder Lake Mining Division and is optioned to Northern Gold Mining Inc.
(see Figure 1)

Location, Description and Access

The Sylvanite tailings pond is located approximately 4 km northeast of the town of Kirkland Lake, Ontario. The property can be accessed by traveling north from Kirkland Lake along the Airport Road a distance of 4.7 km to an old bush road. Access can be gained using an all terrain vehicle and travelling roughly 2 km southeasterly to the central part of the basin. (see Figure 2)

The 3 unpatented mining claims comprise 8 claim units and are described as follows:

Claim #	Units
1199560	**3**
1199561	**4**
1167257	**1**

History

The Sylvanite Mine operated between 1927 and 1961; a total of 5,049,536 tons of ore were milled. The pond lies immediately northeast of O'Connel Lake and east of Gami Lake. It covers an area of approximately 49 hectares. Three dams contain the southern half of the pond. The dam located at the end of the south west arm prevents tailings from entering the drainage system flowing into the south shore of Gami Lake. The second and third dams work in tandem to contain the western flank. Drainage from this area enters Gami Lake in the northeast corner. The northern extent of the tailings is not contained; it currently occupies the southern portion of Doig Lake which drains west for approximately 2 km into Goodfish Lake.

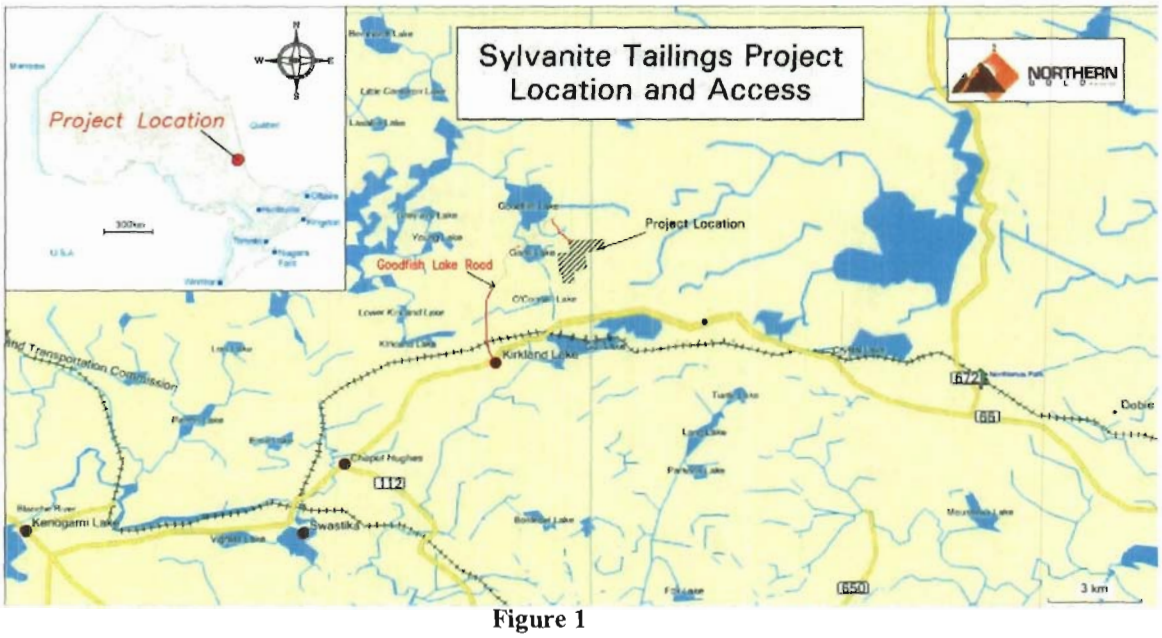


Figure 1

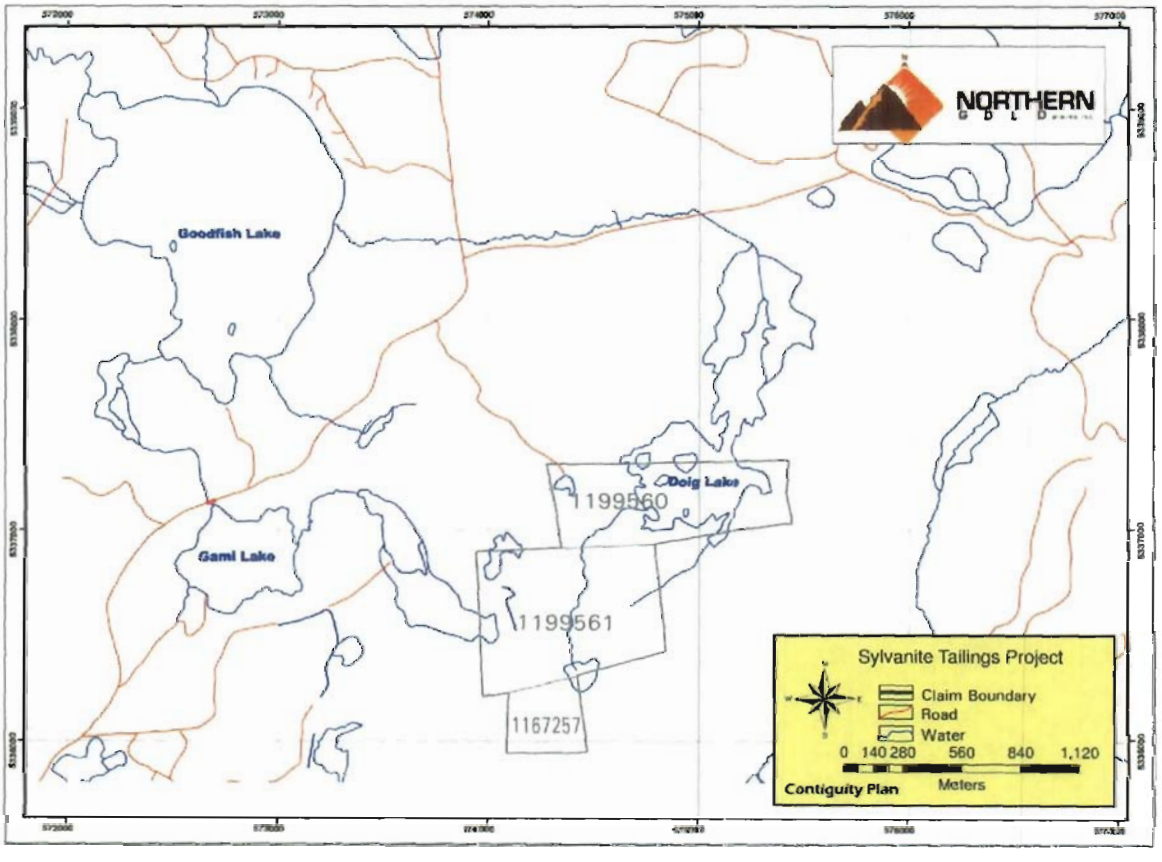


Figure 2

In June of 1985 Maree Investments Corporation acquired an interest in six unpatented mining claims. These claims were owned by Mike Leahy (3), Carl Forbes (2) and Premier Exploration (1). Ten overburden holes were drilled totaling 230 feet. A resource figure of 4,520,857 tons at 0.0147 ounces per ton was calculated for a total of 67051 ounces gold. **This resource is not compliant to National Instrument 43-101 and therefore can not be relied on as it has not been verified by a Qualified Person.**

Between February 2004 and April of 2008 Thomas O'Connor conducted some trenching and sampling on several shear zones found in bedrock exposures in the northwest corner of claim 1199561.

Sampling Procedure

In January of 2008 a grid was established over the tailings pond. The grid consisted of a base line 750 metres long with line spacing's every 30 metres and stations established every 25 metres along the lines for a total of 9.3 kilometres of grid. A total of 685 metres were not utilized for the purposes of this report.

An Earthprobe 200 was purchased and mounted onto an enclosed skid mounted portable wooden structure. The Earthprobe 200 is a direct push machine (see Figure 3). The Earthprobe uses direct push technology. Direct push machines are hydraulically-powered and use static weight/dynamic percussion force to advance small-diameter tubes into the subsurface.(see Figure 4) An RS60 2 ½" diameter soil sampler tube was fitted with a plastic liner and retaining cap. The tube was then placed into the drillhead. The Earthprobe 200 hammered the tube into the tailings to a depth of 4 feet, filling the liner with a tailings sample. This sample was retrieved and placed into a plastic sample. Each sample was tagged with a location and the depth was recorded along with a description of each sample.

The soil sample tube was then washed and a new plastic liner inserted. This procedure was repeated until the base of the tailings basin was reached.

A total of 149 holes totaling 3036 feet were drilled between February 15th and April 5th, 2008. This was accomplished by operating two twelve hour shift rotations.

Assay Method

Several methods of assay were used to test for the gold content of the tailings. The initial samples were sent to Swastika Laboratories and tested using the Geochemical Assay Method. Results were reported in ppb gold. An average of the 190 samples sent to Swastika Laboratories graded 0.52 grams.

A suite of the original samples were randomly selected and split into two separate suites. One suite was sent to Swastika Laboratories and the second suite was sent to PolyMet Laboratories for comparison. The method used in the comparison assaying was Atomic Absorption which was reported in grams per tonne gold. An average of the 23 splits sent to Swastika Laboratories graded 0.72 grams while the average grade for the sample suite sent to PolyMet Laboratories graded 28% higher at 1.0 grams.

Eric Charters, an independent consultant was retained to conduct metallurgical testing on the tailings and to consult in proper procedure for systematically sampling of the Sylvanite tailings pond. As part of Mr. Charters pending report on the metallurgy of the tailings pond additional assay methods were conducted. A series of samples were sent to International Plasma Labs and analyzed using 10/20/20/60g-aqR Au Te S9T) by LECO /30/60g-Au by FA. The results are presented in Assay Certificates in the Appendix of this report. Also, a suite of 5 samples were sent to Process Research Associates to determine gold grade by various leaching methods. The results of which are reported in the Appendix of this report.

Conclusions and Recommendations

In conclusion the sampling of the Sylvanite tailings pond showed inconsistent assay results. It can also be concluded that the type of assay method used will be critical in determining a true and representative grade of the tailings pond. Unfortunately due to the low grade gold content produced in Northern Gold Mining Inc's Sampling Program a decision to discontinue further work was thought to be in the best interest of the company.

It is recommended at this time that upon completion of Mr. Charters "Report on the Metallurgy of the Sylvanite Tailings Pond" a more refined and logical decision on how to proceed to further enhance this project will be made available.

With the price of gold hovering around the $960 dollar range it is the author's opinion that this project does warrant further work.



Figure 3

EARTHPROBE 200

SPECIFICATIONS

STANDARD RIG

Engine – Gas, air cooled, 18 HP @ 3600 RPM
Key start
Fuel tank capacity 8 Gal.

Percussive Tool – Stanley SK-58 Hydraulic sinker drill, 1" hex, impact rate up to 2500 blows per minute.
Adjustable rotation speed 0–300 RPM

Pulldown – with bit pressure on (max) 0 – 5,100 lbs.
with bit pressure off (max) 9,500 lbs.

Pullup – (max) 13,700 lbs.

Stroke – Hyd. Cyl. – Main mast 42 in.
Mast slide/foot 20 in.

Feed Rate – (max) Up 52 FPM
Down 75 FPM

Mast Swivel – Manual, total movement 16 in.
(8" either side of center)

Mast Pivot – Manual – 20° either side of center

Mast Tilt – Hydraulic – horizontal to vertical

Slide Base – Hydraulic, in/out 12 in.

Hydraulic System
Pump – Variable volume, pressure compensated piston pump
Max. Flow 13 GPM
Max. Pressure 2800 PSI
Hyd. Reservoir 12 GAL
Hyd. Oil Cooler 18,000 BTU/HR
Aux. Tool Circuit 0–13 GPM

Dimensions
Max. mast height – from ground 7' 11"
(can be raised in 8' ceiling)
Min. height – from base 34"
(mast folded for transit)
Width – in transit position 34.5"
Length – in transit position 95"

Weight 1,550 lbs.

Mounting – Truck (3/4 ton), trailer, skid or ATV
Recommended truck bed height range 24–36 in.

Options – Rotary (auger) drill head, 1⅛" hex box
Max. Torque 890 ft. lbs.
Max. Speed 105 RPM
Stroke 42 in.

Specifications are based on engineering calculations and are subject to change without prior notice.

Manufactured in the USA by:

SIMCO Drilling Equipment, Inc.
802 Furnas Drive
PO Box 448
Osceola, IA 50213
(515) 342-2166 (800) 338-9925
FAX: 515-342-6764

Figure 4

SIMCO® DRILLING EQUIPMENT, INC.

MODELS

WHO WE ARE
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Osceola, IA 50213
Toll Free: (800) 338-9925
Tele: (641) 342-2166
FAX: (641) 342-6764
E-mail: info@simcodrill.com

Earthprobe 200

The compact SIMCO® Earthprobe 200 offers controlled power, flexibility and versatile performance not found in other direct push/probe rigs. Backed by years of drill rig manufacturing experience, the Earthprobe 200 provides field proven, rugged construction in an easy to operate, low maintenance, reliable rig. The efficient hydraulic system, featuring a pressure compensated, variable volume piston pump, maintains peak output performance of the hydraulic hammer while providing sufficient power to all other functions.



The adjustable bit pressure or down feed system allows the operator to maintain a constant but down pressure on the probe tool string. While not only protecting the tools and hammer from damage, this is the same control concept found in larger drill rigs using down-the-hole hammers. By operating the hammer up to 2000 blows per minute while maintaining a steady but light down pressure, the operator can better monitor the penetration rate of the tools and collect better quality soil samples. Limiting down pressure also lets you cut through six to eight inches of concrete in minutes with a rotary percussion drill bit.

- **General Information**
- View/Print Specs Sheet PDF
- Photo Gallery
- Earthprobe 200 Video
- For More Information

Get Adobe Reader
Windows Media Player 9 Series FREE

The Earthprobe 200 is fully operational under an eight foot ceiling and can handle a variety of styles and lengths of probe tools. Two foot and three foot probe tools and augers are typical, however four foot probe samplers and five foot standard flight augers can also be used by adding a short extension rod and making two passes with the drillhead. Probe at any angle from horizontal to vertical or at any angle up to 20° either side of vertical. With the bit pressure control engaged, the rig will stay put. The swing away guide at the bottom of the mast helps keep the tools lined up with the hammer for starting straighter probe holes.

The retract force (14,675 lbs.) of the Earthprobe 200 has proven to be more than enough power for removing tool strings in most situations.

Setting up for auger drilling with the Earthprobe 200 is simple. Just move the hammer to the storage bracket on the side of

the mast, attach the u-joint to the tough rotary tophead and you're ready to drill with standard length augers. Whether you are augering through material that can't be probed or drilling small diameter, shallow holes for setting monitoring wells, the versatile Earthprobe 200 is ready to do more than just probe.

Features and Options

1. **BASE RIG**

   A. **Percussion Drive System** - A hydraulically powered STANLEY SK-58 sinker drill provides up to 2500 blows per minute and a rotation speed of 0-300 RPM. Both rotation speed and blow rate can be adjusted to meet various probing requirements and soil conditions. Standard 1" hex drill steels and carbide bits are used for penetrating pavements. Provisions for using air to aid in cleaning the borehole are included. The sinker drill normally operates on 7-9 GPM/1500-2000 PSI. Included is the hammer anvil and anvil retainer.

   B. **Mast/Feed System** - A hydraulic cylinder provides 42" of stroke for the sinker drill. The maximum pull up is rated at 14,675 lbs/52 FPM and the pull down maximum is 10,175 lbs/75 FPM. Engaging the adjustable pull down system provides precise control within the range of 0 - 5460 lbs. max. A separate hydraulic cylinder having 20" of stroke slides the mast up and down to provide solid contact with the ground. This provides a solid support for probing or pulling rods. A removable guide for the drill steel or probe rods is provided along with a separate lifting-latch to pull up tools. This avoids putting undue strain on the sinker drill. The minimum height for the mast in the vertical position is just under 8 feet.

   C. **Mast Tilt** - A hydraulic cylinder raises the mast from the horizontal to vertical position. A latch securely holds the mast in the vertical position. However, probing or drilling can be done at any angle in between.

   D. **Mast Swivel** - Once the mast is raised to the vertical position, it can be manually swung left or right up to 8" either side of center. The mast should be brought back to the center position prior to lowering the mast for transit.

   E. **Mast Pivot** - A manually adjustable pivot system allows the mast to be pivoted up to 20E either side of the center line after the mast is raised. Only two bolts need to be loosened to allow for infinite positioning of the mast throughout its arc. This feature allows the operator to either drill a vertical hole when the carrier is not on a level surface or to be able to probe or drill at a side angle (ie. under buildings).

   F. **Slide Base** - A hydraulic cylinder provides 12" of total movement in and out of the carrier. This total movement is possible when the mast is raised. This feature helps in positioning the tool prior to probing or drilling.

   G. **Hydraulic System** - An open loop variable volume, pressure compensated piston pump provides up to 13

GPM @ 3000 PSI. This pump powers all hydraulic functions and allows for the simultaneous operation of two or more operating functions. Also included are a 12 gallon hydraulic reservoir, hydraulic oil cooler, filter and system relief valve. All control valve levers or switches are located on the rear facing control panel and are clearly identified and easy to reach. Included on the valve panel are a hydraulic system pressure gauge, a feed pressure gauge and an adjustable feed pressure control. An auxiliary tool circuit valve is included as standard equipment.

H. **Power Source** - 25 H.P. air cooled gas engine drives the hydraulic pump. The 12-volt electric key start, throttle control and emergency shut down are all located on the control panel. An 8 gallon fuel tank is provided. A combination hour meter and tachometer is also included.

I. **Emergency Stop/Shut Down Systems** - For safety and control purposes, there are two ways to shut down the unit. These are the keyed ignition switch and the emergency stop push button.

J. **Tool Storage/Rod Rack** - A tool rack with storage areas for standard rods, drive points and caps is provided.

K. **Mounting** - The base frame provides for a simple 4-bolt mounting arrangement. Eight pre-drilled holes are provided to allow for easier mounting in a variety of pick-up truck beds or trailers. Consult factory for details.

OPTIONS FOR EARTHPROBE 200

2. **Auger Drill Head** - Room is provided near the top of the mast for bolting on an auger drill head. The output rating for this drill head is 950 ft.lbs. of max torque and 125 RPM max speed. The output is a 1-1/8" hex box. A 1-1/8" hex box u-joint is included. While the use of 3 ft. augers is recommended, it is possible to use standard 5 ft. conventional flight augers in some situations.
   NOTE: The sinker drill must be removed to use the auger drill head option.

3. **Diesel Engine** - Consult factory for details.

4. **Lifting Kit** - To facilitate mounting the EARTHPROBE 200 rig or moving it from one type of carrier to another, a bolt-on lifting kit is available. Consisting of chains, bolts and protective hoses, this kit attaches at predetermined points to provide the best center of gravity position for lifting and moving the probe rig.

5. **Mounting** - Factory installation in suitable pickup box (8' long) or on a flat bed. Includes proper bracing and support to bolt the rig to the bed and tie it back to the frame. (Additional charges may be necessary if unusual mounting conditions are encountered and/or major modifications are required.)

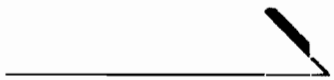
6. **Mounting Plates** - Designed to fit most pickup truck boxes, these 1/2" thick steel plates have holes drilled to match

up with the existing bolt holes that fasten the bed to the frame. Longer bolts are provided to tie everything together. The plates have drilled and tapped holes that allow the rig to be bolted to it. This system makes it easier for field installation of the rig on a customer's truck. (Specify truck brand)

7. **EARTHPROBE 200 SKID** - This specially designed skid has four (4) heavy duty caster wheels that can be easily lowered to allow the rig to be moved around on hard surfaces. The runner (leg) on one side of the skid can be unbolted and slid inward to allow the skid and rig to fit through a 36" wide doorway.
   The optional hydraulic towing winch has quick disconnect hoses and is powered by the auxiliary circuit found on all EARTHPROBE 200 rigs. The winch has approximately 4000 lbs. of pulling capacity and comes with 50' of 5/16" cable and a safety hook.

8. **EARTHPROBE 200 ATV/JD** - This rugged 4 x 4 carrier is specifically modified to accept the EARTHPROBE. Powered by a 26 H.P. air cooled gas engine, this ATV features a 5-speed automotive type synchromesh transmission and heavy duty axles that provide full time four wheel drive. Included with the ATV are a certified ROPS, trailer hook point, and dump box.

© SIMCO Drilling Equipment, Inc.



STATEMENT OF QUALIFICATIONS

I, **Brian Madill**, of 142 Carter Ave. Kirkland Lake, Ontario, do hereby certify that:

1. I am a Prospector/Geological/Geophysical Technician and have been practicing my profession for the past 30 years.

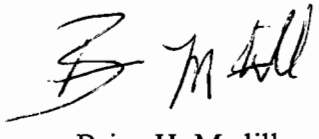
2. I am a graduate of Cambrian College, Sudbury, Ontario having received a Geological Engineering Technician diploma in 1979.

3. My knowledge of the property described herein was obtained by fieldwork and documentation.

4. I do not have or expect to receive any interest in the properties that form the basis of this report.

5. I am qualified to author this report.

Respectfully,



Brian H. Madill

REFERENCES

Norcan Environmental Associates Ltd., 1991
Preliminary Assessment Of The Environmental Hazards Associated With Old Mining Properties In The District Of Timiskaming

KL 5902
Sampling Program on the Lebel Twp Property
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KL 5827
Drilling, Blasting and Sampling on the Lebel Twp Property
O'Connor, T.A., Assessment File

KL 5286
Power Stripping and Sampling on the Lebel Twp Property
O'Connor, T.A., Assessment File

KL 2298
Geophysical / Overburden Drilling on the Sylvanite Tailings, Lebel Twp
Premier Explorations Ltd, Assessment File

KL 1591
Overburden Drilling on the Sylvanite Tailings, Lebel Twp
Leahy, M., Assessment File

KL 0867
Overburden Drilling on the Sylvanite Tailings, Lebel Twp
Forbes, C., Assessment File

APPENDIX

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 00

Hole ID: BH08-01 **Grid Location:** L0+00 / BL0+00 **Date:** 2/24/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87573		Tan to brown, semi solid
4 to 8	87574		Brown to light grey, semi solid
8 to 12	87575		Light grey, slurry texture
12 to 16	87576		Light grey, slurry texture
16 to 20	87577		Light grey, slurry texture
20 to 24	87578		Light grey to dark grey, slurry texture
24 to 28	87579		Dark grey to black, humus, slurry texture

Hole ID: BH08-02 **Grid Location:** L0+00 / 0+50mS **Date:** 2/23/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87565	0.500	Tan to brown, semi solid
4 to 8	87566	0.837	Brown to light grey, semi solid
8 to 12	87567	0.396	Light grey, slurry texture
12 to 16	87568	0.684	Light grey, slurry texture
16 to 20	87569	0.751	Light to medium grey, slurry texture
20 to 24	87570	0.756	Light grey to dark grey, slurry texture
24 to 28	87571	0.403	Dark grey to black, humus, slurry texture
	87572	0.225	**Note:** Slurry from hole

Hole ID: BH08-03 **Grid Location:** L0+00 / 1+00mS **Date:** 2/23/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87556		Tan to brown, semi solid
4 to 8	87557		Brown to light grey, semi solid
8 to 12	87558		Light grey, slurry texture
12 to 16	87559		Light grey, slurry texture
16 to 20	87560		Light grey, slurry texture
20 to 24	87561		Light to medium grey, slurry texture
24 to 28	87562		Medium to dark grey, slurry texture
28 to 32	87563		Dark grey, surry texture
32 to 36	87564		Dark grey to black, humus, slurry texture(Water seam)

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 00

Hole ID: BH08-04 **Grid Location:** L0+00 / 1+00mS **Date:** 2/23/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87551		Tan to brown, semi solid
4 to 8	87552		Brown to light grey, semi solid
8 to 12	87553		Light to medium grey, slurry texture
12 to 16	87554		Medium to dark grey, slurry texture
16 to 20	87555		Dark grey to black, humus, slurry texture

Hole ID: BH08-05 **Grid Location:** L0+00 / 1+50mS **Date:** 2/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87514		Tan to brown, semi solid
4 to 8	87515		Brown to light grey, semi solid
8 to 12	87516		Brown to light grey, semi solid
12 to 16	87517		Medium to dark grey, slurry texture
16 to 20	87518		Dark grey to black, humus, slurry texture

Hole ID: BH08-06 **Grid Location:** L0+00 / 2+00mS **Date:** 2/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87508		Tan to brown, semi solid
4 to 8	87509		Brown to light grey, semi solid
8 to 12	87510		Light to dark grey, slurry texture
12 to 16	87511		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 00

Hole ID: BH08-07 Grid Location: L0+00 / 2+50ms Date: 2/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87512		Tan to brown, semi solid
4 to 8	87513		Brown to black, humus, slurry texture

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 30E

Hole ID: BH08-08 Grid Location: L0+30E / 0+25ms Date: 2/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87580		Tan to brown, semi solid
4 to 8	87581		Brown to light grey, semi solid
8 to 12	87582		Light grey, slurry texture
12 to 16	87583		Light grey, slurry texture
16 to 20	87584		Light grey, slurry texture
20 to 24	87585		Light grey, slurry texture
24 to 28	87586		Light grey to dark grey, slurry texture
28 to 32	87587		Dark grey to black, humus, slurry texture

Hole ID: BH08-09 Grid Location: L0+30E / 0+75ms Date: 2/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87588		Tan to brown, semi solid
4 to 8	87589		Brown to light grey, semi solid
8 to 12	87590		Light grey, slurry texture
12 to 16	87591		Light grey, slurry texture
16 to 20	87592		Light grey, slurry texture
20 to 24	87593		Light grey, slurry texture
24 to 28	87594		Light grey, slurry texture
28 to 32	87595		Light grey, slurry texture
32 to 36	87596		Light grey to dark grey, slurry texture
36 to 40	87597		Dark grey to black, humus, slurry texture

Hole ID: BH08-10 Grid Location: L0+30E / 1+25ms Date: 2/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87501		Tan to brown, semi solid
4 to 8	87502		Brown to light grey, semi solid
8 to 12	87503		Light grey, slurry texture
12 to 16	87504		Light grey, slurry texture
16 to 20	87505		Light grey, slurry texture
20 to 24	87506		Light grey to dark grey, slurry texture
24 to 28	87507		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 60E

Hole ID: BH08-11 **Grid Location:** L0+60E / 1+25mN **Date:** 2/28/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87531		Tan to brown, semi solid
4 to 8	87532		Brown to light grey, semi solid
8 to 12	87533		Light grey, slurry texture
12 to 16	87534		Light grey to dark grey, slurry texture
16 to 20	87535		Dark grey to black, humus, slurry texture

Hole ID: BH08-12 **Grid Location:** L0+60E / 0+50mN **Date:** 2/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87524		Tan to brown, semi solid
4 to 8	87525		Brown to light grey, semi solid
8 to 12	87526		Light grey, slurry texture
12 to 16	87527		Light grey to dark grey, slurry texture
16 to 20	87528		Dark grey to black, humus, slurry texture

Hole ID: BH08-13 **Grid Location:** L0+60E / BL0+00 **Date:** 2/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87519		Tan to brown, semi solid
4 to 8	87520		Brown to light grey, semi solid
8 to 12	87521		Light grey, slurry texture
12 to 16	87522		Light grey to dark grey, slurry texture
16 to 20	87523		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 60E

Hole ID: BH08-14 **Grid Location:** L0+60E / 2+00mS **Date:** 4/4/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96976		Tan to brown, semi solid
4 to 8	96977		Brown to light grey, semi solid
8 to 12	96978		Light gey, slurry texture
12 to 16	96979		Light gey, slurry texture
16 to 20	96980		Light grey to dark grey, slurry texture
20 to 24	96981		Dark grey to black, humus, slurry texture

Hole ID: BH08-15 **Grid Location:** L0+60E / 2+50mS **Date:** 4/4/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96982		Tan to brown, semi solid
4 to 8	96983		Brown to light grey, semi solid
8 to 12	96984		Light gey, slurry texture
12 to 16	96985		Light gey, slurry texture
16 to 20	96986		Light grey to dark grey, slurry texture
20 to 24	96987		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 90E

Hole ID: BH08-16 **Grid Location:** L0+90E / 1+25mN **Date:** 2/28/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87529		Tan to dark grey, semi solid
4 to 8	87530		Dark grey to black, humus, slurry texture

Hole ID: BH08-17 **Grid Location:** L0+90E / 0+90mN **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97970	0.605	Tan to brown, semi solid
4 to 8	97971	0.682	Brown to light grey semi solid
8 to 12	97972	0.350	Light to dark grey, slurry texture
12 to 16	97973	0.463	Dark grey to black, humus, slurry texture

Hole ID: BH08-18 **Grid Location:** L0+90E / 0+50mN **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97965		Tan to brown, semi solid
4 to 8	97966		Brown to light grey semi solid
8 to 12	97967		Light grey, slurry texture
12 to 16	97968		Light to dark grey, slurry texture
16 to 20	97969		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 90E

Hole ID: BH08-19 **Grid Location:** L0+90E / BL0+00 **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97959	0.725	Tan to brown, semi solid
4 to 8	97960	0.754	Brown to light grey, semi solid
8 to 12	97961	0.679	Light grey, slurry texture
12 to 16	97962	0.490	Light grey, slurry texture
16 to 20	97963	0.346	Light to dark grey, slurry texture
20 to 24	97964	0.458	Dark grey to black, humus, slurry texture

Hole ID: BH08-20 **Grid Location:** L0+90E / 0+50mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97951		Tan to brown, semi solid
4 to 8	97952		Brown to light grey, semi solid
8 to 12	97953		Light grey, slurry texture
12 to 16	97954		Light grey, slurry texture
16 to 20	97955		Light grey, slurry texture
20 to 24	97956		Light grey, slurry texture
24 to 28	97957		Light to dark grey, slurry texture
28 to 32	97958		Dark grey to black, humus, slurry texture

Hole ID: BH08-21 **Grid Location:** L0+90E / 1+00mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97851	0.857	Tan to brown, semi solid
4 to 8	97852	0.656	Brown to light grey, semi solid
8 to 12	97853	missing	Light grey, slurry texture
12 to 16	97854	0.693	Light grey, slurry texture
16 to 20	97855	0.862	Light to dark grey, slurry texture
20 to 24	97856	0.537	Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 0 + 90E

Hole ID: BH08-22 **Grid Location:** L0+90E / 1+50mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97857		Tan to brown, semi solid
4 to 8	97858		Brown to light grey, semi solid
8 to 12	97859		Light grey, slurry texture
12 to 16	97860		Light grey, slurry texture
16 to 20	97861		Light grey, slurry texture
20 to 24	97862		Light grey, slurry texture
24 to 28	97863		Light grey, slurry texture
28 to 32	97864		Light grey, slurry texture
32 to 36	97865		Light grey, slurry texture
36 to 40	97866		Light to dark grey, slurry texture
40 to 44	97867		Dark grey to black, humus , slurry texture

Hole ID: BH08-23 **Grid Location:** L0+90E / 2+00mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97869	0.922	Tan to brown, semi solid
4 to 8	97870	0.581	Brown to light grey, semi solid
8 to 12	97871	0.387	Light grey, slurry texture
12 to 16	97872	0.406	Light grey, slurry texture
16 to 20	97873	0.497	Light to dark grey, slurry texture
20 to 24	97874	0.312	Dark grey to black, humus , slurry texture

Hole ID: BH08-24 **Grid Location:** L0+90E / 2+50mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97875		Tan to brown, semi solid
4 to 8	97876		Brown to light grey, semi solid
8 to 12	97877		Light grey, slurry texture
12 to 16	97878		Light to dark grey, slurry texture
16 to 20	97879		Dark grey to black, humus , slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 20E

Hole ID: BH08-25 **Grid Location:** L1+20E / 1+17mN **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97601		Tan to brown, semi solid
4 to 8	97602		Brown to dark grey, semi solid to slurry texture
8 to 12	97603		Dark grey to black, humus, slurry texture

Hole ID: BH08-26 **Grid Location:** L1+20E / 0+75mN **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97897	0.525	Tan to brown, semi solid
4 to 8	97898	0.643	Brown to light grey, semi solid
8 to 12	97899	0.442	Light to dark grey, slurry texture
12 to 16	97900	missing	Dark grey to black, humus, slurry texture

Hole ID: BH08-27 **Grid Location:** L1+20E / 0+25mN **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97891		Tan to brown, semi solid
4 to 8	97892		Brown to light grey, semi solid
8 to 12	97893		Light to dark grey, slurry texture
12 to 16	97894		Light to dark grey, slurry texture
16 to 20	97895		Light to dark grey, slurry texture
20 to 24	97896		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 20E

Hole ID: BH08-28 Grid Location: L1+20E / 0+25mS Date: 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97885	missing	Tan to brown, semi solid
4 to 8	97886	0.953	Brown to light grey, semi solid
8 to 12	97887	0.353	Light grey, slurry texture
12 to 16	97888	0.422	Light grey, slurry texture
16 to 20	97889	0.362	Light to dark grey, slurry texture
20 to 24	97890	0.597	Dark grey to black, humus, slurry texture

Hole ID: BH08-29 Grid Location: L1+20E / 0+75mS Date: 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70575		Tan to brown, semi solid
4 to 8	70576		Brown to light grey, semi solid
8 to 12	70577		Light grey, slurry texture
12 to 16	70578		Light grey, slurry texture
16 to 20	70579		Light grey, slurry texture
20 to 24	70580		Light grey, slurry texture
24 to 28	70581		Light grey, slurry texture
28 to 32	70582		Light grey, slurry texture
32 to 36	70583		Light to dark grey, slurry texture
36 to 40	70584		Dark grey to black, humus, slurry texture

Hole ID: BH08-30 Grid Location: L1+20E / 1+25mS Date: 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70566	1.608	Tan to brown, semi solid
4 to 8	70567	0.543	Brown to light grey, semi solid
8 to 12	70568	0.567	Light grey, slurry texture
12 to 16	70569	0.382	Light grey, slurry texture
16 to 20	70570	0.657	Light grey, slurry texture
20 to 24	70571	0.530	Light grey, slurry texture
24 to 28	70572	0.442	Light grey, slurry texture
28 to 32	70573	0.547	Light to dark grey, slurry texture
32 to 36	70574	0.583	Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 20E

Hole ID: BH08-31 **Grid Location:** L1+20E / 1+75mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70558		Tan to brown, semi solid
4 to 8	70559		Brown to light grey, semi solid
8 to 12	70560		Light grey, slurry texture
12 to 16	70561		Light grey, slurry texture
16 to 20	70562		Light grey, slurry texture
20 to 24	70563		Light grey, slurry texture
24 to 28	70564		Light to dark grey, slurry texture
28 to 32	70565		Dark grey to black, humus slurry texture

Hole ID: BH08-32 **Grid Location:** L1+20E / 2+25mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70551	0.970	Tan to brown, semi solid
4 to 8	70552	0.591	Brown to light grey, semi solid
8 to 12	70553	0.564	Light grey, slurry texture
12 to 16	70554	0.756	Light grey, slurry texture
16 to 20	70555	0.526	Light grey, slurry texture
20 to 24	70556	0.489	Light to dark grey, slurry texture
24 to 28	70557	0.859	Dark grey to black, humus slurry texture

Hole ID: BH08-33 **Grid Location:** L1+20E / 2+50mS **Date:** 3/10/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97880		Tan to brown, semi solid
4 to 8	97881		Brown to light grey, semi solid
8 to 12	97882		Light grey, slurry texture
12 to 16	97883		Light to dark grey, slurry texture
16 to 20	97884		Dark grey to black, humus slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 50E

Hole ID: BH08-34 **Grid Location:** L1+50E / 1+00mN **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97604		Tan to brown, semi solid
4 to 8	97605		Brown to light grey, semi solid
8 to 12	97606		Light to dark grey, slurry texture
12 to 16	97607		Dark grey to black, humus, slurry texture

Hole ID: BH08-35 **Grid Location:** L1+50E / 0+50mN **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97608		Tan to brown, semi solid
4 to 8	97609		Brown to light grey, semi solid
8 to 12	97610		Light grey, slurry texture
12 to 16	97611		Light grey, slurry texture
16 to 20	97612		Light to dark grey, slurry texture
20 to 24	97613		Dark grey to black, humus, slurry texture

Hole ID: BH08-36 **Grid Location:** L1+50E / BL0+00 **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97974		Tan to brown, semi solid
4 to 8	97975		Brown to light grey, semi solid
8 to 12	97976		Light grey, slurry texture
12 to 16	97977		Light grey, slurry texture
16 to 20	97978		Light grey, slurry texture
20 to 24	97979		Light to dark grey, slurry texture
24 to 28	97980		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 50E

Hole ID: BH08-37 **Grid Location:** L1+50E / 0+50mS **Date:** 3/11/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97981	0.727	Tan to brown, semi solid
4 to 8	97982	0.813	Brown to light grey, semi solid
8 to 12	97983	0.439	Light grey, slurry texture
12 to 16	97984	0.358	Light grey, slurry texture
16 to 20	97985	0.139	Light grey, slurry texture
20 to 24	97986	0.086	Light grey, slurry texture
24 to 28	97987	missing	Light to dark grey, slurry texture
28 to 32	97988	missing	Dark grey to black, humus, slurry texture

Hole ID: BH08-38 **Grid Location:** L1+50E / 1+00mS **Date:** 3/12/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97614		Tan to brown, semi solid
4 to 8	97615		Brown to light grey, semi solid
8 to 12	97616		Light grey, slurry texture
12 to 16	97617		Light grey, slurry texture
16 to 20	97618		Light grey, slurry texture
20 to 24	97619		Light grey, slurry texture
24 to 28	97620		Light grey, slurry texture
28 to 32	97621		Light to dark grey, slurry texture
32 to 36	97622		Dark grey to black, humus, slurry texture

Hole ID: BH08-39 **Grid Location:** L1+50E / 1+50mS **Date:** 3/12/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97623		Tan to brown, semi solid
4 to 8	97624		Brown to light grey, semi solid
8 to 12	97625		Light grey, slurry texture
12 to 16	97626		Light to dark grey, slurry texture
16 to 20	97627		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 50E

Hole ID: BH08-40 **Grid Location:** L1+50E / 2+00mS **Date:** 3/12/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97628	0.326	Tan to brown, semi solid
4 to 8	97629	0.453	Brown to light grey, semi solid
8 to 12	97630	0.399	Light grey, slurry texture
12 to 16	97631	0.641	Light grey, slurry texture
16 to 20	97632	0.334	Light grey, slurry texture
20 to 24	97633	0.351	Light to dark grey, slurry texture
24 to 28	97634	0.499	Dark grey to black, humus, slurry texture

Hole ID: BH08-41 **Grid Location:** L1+50E / 2+25mS **Date:** 3/12/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97635		Tan to brown, semi solid
4 to 8	97636		Brown to light grey, semi solid
8 to 12	97637		Light grey, slurry texture
12 to 16	97638		Light grey, slurry texture
16 to 20	97639		Light to dark grey, slurry texture
20 to 24	97640		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 80E

Hole ID: BH08-42 **Grid Location:** L1+80E / 0+75mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97817	0.430	Tan to brown, semi solid
4 to 8	97818	0.538	Brown to light grey, semi solid
8 to 12	97819	0.425	Light grey, slurry texture
12 to 16	97820	0.343	Light grey, slurry texture
16 to 20	97821	0.401	Light to dark grey, slurry texture
20 to 24	97822	0.245	Dark grey to black, humus, slurry texture

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Hole ID: BH08-43 **Grid Location:** L1+80E / 0+25mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97810	0.353	Tan to brown, semi solid
4 to 8	97811	0.658	Brown to light grey, semi solid
8 to 12	97812	0.849	Light grey, slurry texture
12 to 16	97813	0.394	Light grey, slurry texture
16 to 20	97814	0.312	Light grey, slurry texture
20 to 24	97815	0.310	Light to dark grey, slurry texture
24 to 28	97816	0.303	Dark grey to black, humus, slurry texture

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Hole ID: BH08-44 **Grid Location:** L1+80E / 0+25mS **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97903		Tan to brown, semi solid
4 to 8	97804		Brown to light grey, semi solid
8 to 12	97905		Light grey, slurry texture
12 to 16	97806		Light grey, slurry texture
16 to 20	97807		Light grey, slurry texture
20 to 24	97808		Light to dark grey, slurry texture
24 to 28	97809		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 1 + 80E

Hole ID: BH08-45 **Grid Location:** L1+80E / 1+75mS **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97801		Tan to dark grey, semi solid
4 to 8	97802		Dark grey to black, humus, semi solid to slurry texture

Hole ID: BH08-46 **Grid Location:** L1+80E / 1+30mS **Date:** 3/12/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97989	missing	Tan to brown, semi solid
4 to 8	97990	0.492	Brown to light grey, semi solid
8 to 12	97991	0.564	Light grey, slurry texture
12 to 16	97992	0.595	Light grey, slurry texture
16 to 20	97993	0.377	Light grey, slurry texture
20 to 24	97994	0.355	Light to dark grey, slurry texture
24 to 28	97995	0.595	Dark grey to black, humus, slurry texture

Hole ID: BH08-47 **Grid Location:** L1+80E / 1+75mS **Date:** 3/12/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97641		Tan to brown, semi solid
4 to 8	97642		Brown to light grey, semi solid
8 to 12	97643		Light grey, slurry texture
12 to 16	97644		Light grey, slurry texture
16 to 20	97645		Light grey, slurry texture
20 to 24	97646		Light grey, slurry texture
24 to 28	97647		Light to dark grey, slurry texture
28 to 32	97648		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 10E

Hole ID: BH08-48 **Grid Location** L2+10E / 1+25mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97823		Tan to brown, semi solid
4 to 8	97824		Brown to light grey, semi solid
8 to 12	97825		Light to dark grey, slurry texture
12 to 16	97826		Dark grey to black, humus, slurry texture

Hole ID: BH08-49 **Grid Location** L2+10E / 1+00mN **Date:** 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70585		Tan to brown, semi solid
4 to 8	70586		Brown to light grey, semi solid
8 to 12	70587		Light grey, slurry texture
12 to 16	70588		Light grey, slurry texture
16 to 20	70589		Light to dark grey, slurry texture
20 to 24	70590		Dark grey to black, humus, slurry texture

Hole ID: BH08-50 **Grid Location:** L2+10E / 0+50mN **Date:** 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70591		Tan to brown, semi solid
4 to 8	70592		Brown to light grey, semi solid
8 to 12	70593		Light grey, slurry texture
12 to 16	70594		Light grey, slurry texture
16 to 20	70595		Light to dark grey, slurry texture
20 to 24	70596		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 10E

Hole ID: BH08-51 **Grid Location:** L2+10E / BL0+00 **Date:** 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97996		Tan to brown, semi solid
4 to 8	97997		Brown to light grey, semi solid
8 to 12	97998	0.403	Light to dark grey, slurry texture
12 to 16	97999		Dark grey to black, humus, slurry texture

Hole ID: BH08-52 **Grid Location:** L2+10E / 0+50mS **Date:** 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70501		Tannish brown to dark grey, semi solid
4 to 6	70502		Dark grey to black, humus, slurry texture

Hole ID: BH08-53 **Grid Location:** L2+10E / 1+00mS **Date:** 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70503		Tannish brown to light grey, semi solid
4 to 8	70504		Light to dark grey, slurry texture
8 to 12	70505		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 10E

Hole ID: BH08-54 Grid Location: L2+10E / 1+50mS Date: 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70506		Tan to brown, semi solid
4 to 8	70507		Brown to light grey, semi solid
8 to 12	70508		Light grey, slurry texture
12 to 16	70509		Light grey, slurry texture
16 to 20	70510		Light grey, slurry texture
20 to 24	70511		Light grey, slurry texture
24 to 28	70512		Light to dark grey, slurry texture
28 to 32	70513		Dark grey to black, humus, slurry texture

Hole ID: BH08-55 Grid Location: L2+10E / 2+00mS Date: 3/14/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70514	0.711	Tan to brown, semi solid
4 to 8	70515	0.909	Brown to light grey, semi solid
8 to 12	70516	0.492	Light grey, slurry texture
12 to 16	70517	0.439	Light grey, slurry texture
16 to 20	70518	1.006	Light to dark grey, slurry texture
20 to 24	70519	0.288	Dark grey to black, humus, slurry texture

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 40E

Hole ID: BH08-56 **Grid Location:** L2+40E / 1+25mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97916	0.411	Tan to brown, semi solid
4 to 8	97917	0.444	Brown to light grey, semi solid
8 to 12	97918	0.439	Light grey, slurry texture
12 to 16	97919	0.391	Light to dark grey, slurry texture
16 to 20	97920	0.437	Dark grey to black, humus, slurry texture

Hole ID: BH08-57 **Grid Location:** L2+40E / 0+75mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97910		Tan to brown, semi solid
4 to 8	97911		Brown to light grey, semi solid
8 to 12	97912		Light grey, slurry texture
12 to 16	97913		Light grey, slurry texture
16 to 20	97914		Light to dark grey, slurry texture
20 to 24	97915		Dark grey to black, humus, slurry texture

Hole ID: BH08-58 **Grid Location:** L2+40E / 0+25mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97904	0.561	Tan to brown, semi solid
4 to 8	97905	0.461	Brown to light grey, semi solid
8 to 12	97906	0.946	Light grey, slurry texture
12 to 16	97907	0.624	Light grey, slurry texture
16 to 20	97908	0.393	Light to dark grey, slurry texture
20 to 24	97909	0.576	Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 40E

Hole ID: BH08-59 **Grid Location:** L2+40E / 0+25mS **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97850		Tan to brown, semi solid
4 to 8	97901		Brown to light grey, semi solid
8 to 12	97902		Light to dark grey, slurry texture
12 to 16	97903		Dark grey to black, humus, slurry texture

Hole ID: BH08-60 **Grid Location:** L2+40E / 0+79mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97842	0.749	Tan to brown, semi solid
4 to 8	97843	0.552	Brown to light grey, semi solid
8 to 12	97844	0.473	Light grey, slurry texture
12 to 16	97845	0.447	Light grey, slurry texture
16 to 20	97846	0.417	Light grey, slurry texture
20 to 24	97847	0.360	Light grey, slurry texture
24 to 28	97848	0.300	Light to dark grey, slurry texture
28 to 32	97849	missing	Dark grey to black, humus, slurry texture

Hole ID: BH08-61 **Grid Location:** L2+40E / 1+25mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97834		Tan to brown, semi solid
4 to 8	97835		Brown to light grey, semi solid
8 to 12	97836		Light grey, slurry texture
12 to 16	97837		Light grey, slurry texture
16 to 20	97838		Light grey, slurry texture
20 to 24	97839		Light grey, slurry texture
24 to 28	97840		Light to dark grey, slurry texture
28 to 32	97841		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 40E

Hole ID: BH08-62 **Grid Location:** L2+40E / 1+75mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97827	0.377	Tan to brown, semi solid
4 to 8	97828	0.480	Brown to light grey, semi solid
8 to 12	97829	0.399	Light grey, slurry texture
12 to 16	97830	0.499	Light grey, slurry texture
16 to 20	97831	0.420	Light grey, slurry texture
20 to 24	97832	0.341	Light to dark grey, surry texture
24 to 28	97833	0.423	Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 70E

Hole ID: BH08-63 **Grid Location:** L2+70E / 1+75mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70597		Tan brown to light grey, semi solid
4 to 8	70598		Light to dark grey, slurry texture
8 to 12	70599		Dark grey to black, humus, slurry texture

Hole ID: BH08-64 **Grid Location:** L2+70E / 1+50mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87536		Tan brown to light grey, semi solid
4 to 8	87537		Light to dark grey, slurry texture
8 to 12	87538		Dark grey to black, humus, slurry texture

Hole ID: BH08-65 **Grid Location:** L2+70E / 1+00mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87539		Tan to brown, semi solid
4 to 8	87540		Brown to light grey, semi solid
8 to 12	87541		Light grey, slurry texture
12 to 16	87542		Light to dark grey, slurry texture
16 to 20	87543		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 70E

Hole ID: BH08-66 **Grid Location:** L2+70E / 0+50mN **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	87544	0.343	Tan to brown, semi solid
4 to 8	87545	0.389	Brown to light grey, semi solid
8 to 12	87546	0.495	Light grey, slurry texture
12 to 16	87547	0.417	Light to dark grey, slurry texture
16 to 20	87548	0.465	Dark grey to black, humus, slurry texture

Hole ID: BH08-67 **Grid Location:** L2+70E / BL0+00 **Date:** 3/15/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70520	0.588	Tan to brown, semi solid
4 to 8	70521		Brown to light grey, semi solid
8 to 12	70522		Light grey, slurry texture
12 to 16	70523		Light grey, slurry texture
16 to 20	70524		Light grey, slurry texture
20 to 24	70525		Light grey, slurry texture
24 to 28	70526		Light to dark grey, slurry texture
28 to 32	70527		Dark grey to black, humus, slurry texture

Hole ID: BH08-68 **Grid Location:** L2+70E / 0+59mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97921		Tan to brown, semi solid
4 to 8	97922		Brown to light grey, semi solid
8 to 12	97923		Light grey, slurry texture
12 to 16	97924		Light grey, slurry texture
16 to 20	97925		Light grey, slurry texture
20 to 24	97926		Light grey, slurry texture
24 to 28	97927		Light to dark grey, slurry texture
28 to 32	97928		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 2 + 70E

Hole ID: BH08-69 **Grid Location:** L2+70E / 1+00mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97929	0.607	Tan to brown, semi solid
4 to 8	97930	1.042	Brown to light grey, semi solid
8 to 12	97931	0.450	Light grey, slurry texture
12 to 16	97932	0.370	Light to dark grey, slurry texture
16 to 20	97933	0.408	Dark grey to black, humus, slurry texture

Hole ID: BH08-70 **Grid Location:** L2+70E / 1+50mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97934		Tan to brown, semi solid
4 to 8	97935		Brown to light grey, semi solid
8 to 12	97936		Light to dark grey, slurry texture
12 to 16	97937		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 00E

Hole ID: BH08-71 **Grid Location:** L3+00E / 1+25mN **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70548		Tan brown to light grey, semi solid
4 to 8	70549		Light to dark grey, slurry texture
8 to 12	70550		Dark grey to black, humus, slurry texture

Hole ID: BH08-72 **Grid Location:** L3+00E / 0+75mN **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70543		Tan to brown, semi solid
4 to 8	70544		Brown to light grey, semi solid
8 to 12	70545		Light grey, slurry texture
12 to 16	70546		Light to dark grey, slurry texture
16 to 20	70547		Dark grey to black, humus, slurry texture

Hole ID: BH08-73 **Grid Location:** L3+00E / 0+25mN **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70536	**1.049**	Tan to brown, semi solid
4 to 8	70537	**0.574**	Brown to light grey, semi solid
8 to 12	70538	**0.555**	Light grey, slurry texture
12 to 16	70539	**0.240**	Light grey, slurry texture
16 to 20	70540	**0.566**	Light grey, slurry texture
20 to 24	70541	**0.411**	Light to dark grey, slurry texture
24 to 28	70542	**0.441**	Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 00E

Hole ID: BH08-74 **Grid Location:** L3+00E / 0+32mS **Date:** 3/13/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70528		Tan to brown, semi solid
4 to 8	70529		Brown to light grey, semi solid
8 to 12	70530		Light grey, slurry texture
12 to 16	70531		Light grey, slurry texture
16 to 20	70532		Light grey, slurry texture
20 to 24	70533		Light grey, slurry texture
24 to 28	70534		Light to dark grey, slurry texture
28 to 32	70535		Dark grey to black, humus, slurry texture

Hole ID: BH08-74A **Grid Location:** L3+00E / 0+75mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97950		Tan to brown, semi solid
4 to 8	97501		Brown to light grey, semi solid
8 to 12	97502		Light grey, slurry texture
12 to 16	97503		Light grey, slurry texture
16 to 20	97504		Light grey, slurry texture
20 to 24	97505		Light to dark grey, slurry texture
24 to 28	97506		Dark grey to black, humus, slurry texture

Hole ID: BH08-75 **Grid Location:** L3+00E / 1+25mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97945		Tan to brown, semi solid
4 to 8	97946		Brown to light grey, semi solid
8 to 12	97947		Light grey, slurry texture
12 to 16	97948		Light to dark grey, slurry texture
16 to 20	97949		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 00E

Hole ID: BH08-76 **Grid Location:** L3+00E / 1+75mS **Date:** 3/16/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97938		Tan to brown, semi solid
4 to 8	97939		Brown to light grey, semi solid
8 to 12	97940		Light grey, slurry texture
12 to 16	97941		Light grey, slurry texture
16 to 20	97942		Light grey, slurry texture
20 to 24	97943		Light to dark grey, surry texture
24 to 28	97944		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 30E

Hole ID: BH08-77 **Grid Location:** L3+30E / 1+00mN **Date:** 3/18/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97507	missing	Tan to brown, semi solid
4 to 8	97508	missing	Brown to light grey, semi solid
8 to 12	97509	missing	Light to dark grey, slurry texture
12 to 16	97510		Dark Grey to black

Hole ID: BH08-78 **Grid Location:** L3+30E / 0+50mN **Date:** 3/21/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97651		Tan to brown, semi solid
4 to 8	97652		Brown to light grey, semi solid
8 to 12	97653		Light grey, slurry texture
12 to 16	97654		Light to dark grey, slurry texture
16 to 20	97655		Dark Grey to black

Hole ID: BH08-79 **Grid Location:** L3+30E / BL0+00 **Date:** 3/21/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97656		Tan to brown, semi solid
4 to 8	97657		Brown to light grey, semi solid
8 to 12	97658		Light grey, slurry texture
12 to 16	97659		Light grey, slurry texture
16 to 20	97660		Light to dark grey, slurry texture
20 to 24	97661		Dark Grey to black

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 30E

Hole ID: BH08-80 Grid Location: L3+30E / 0+50mS Date: 3/22/2088

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70601		Tan to brown, semi solid
4 to 8	70602		Brown to light grey, semi solid
8 to 12	70603		Light grey, slurry texture
12 to 16	70604		Light grey, slurry texture
16 to 20	70605		Light grey, slurry texture
20 to 24	70606		Light grey, slurry texture
24 to 28	70607		Light grey, slurry texture
28 to 32	70608		Light grey, slurry texture
32 to 36	70609		Light to dark grey, slurry texture
36 to 40	70610		Dark grey to black, humus, slurry texture

Hole ID: BH08-81 Grid Location: L3+30E / 0+75mS Date: 3/22/2088

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53101	0.480	Tan to brown, semi solid
4 to 8	53102	0.758	Brown to light grey, semi solid
8 to 12	53103	0.607	Light grey, slurry texture
12 to 16	53104	0.555	Light grey, slurry texture
16 to 20	53105	0.370	Light grey, slurry texture
20 to 24	53106	0.458	Light to dark grey, slurry texture
24 to 28	53107	0.542	Dark grey to black, humus, slurry texture

Hole ID: BH08-82A / BH08-82B Grid Location: L3+30E / 1+00mS Date: 3/22/2088

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 3	70611		Bedrock (82A)
0 to 3	70612		Bedrock (82B)

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 60E

Hole ID: BH08-83A / BH08-83B **Grid Location:** L3+60E / 1+23mN **Date:** 3/22/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70613		**BH08-83A** - Poor recovery
4 to 8	70614		
0 to 4	70615		**BH08-83B** - Tan to brown, semi solid
4 to 8	70616		Brown to light grey, semi solid
8 to 12	70617		Light to dark grey, slurry texture
12 to 16	70618		Dark grey to black, humus, slurry texture

Hole ID: BH08-84 **Grid Location:** L3+60E / 0+75mN **Date:** 3/22/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70619		Tan brown to light grey, semi solid
4 to 8	70920		Light to dark grey, slurry texture
8 to 12	70621		Dark grey to black, humus, slurry texture

Hole ID: BH08-85 **Grid Location:** L3+60E / 0+25mN **Date:** 3/23/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97751	**0.382**	Tan to brown, semi solid
4 to 8	97752	**0.638**	Brown to light grey, semi solid
8 to 12	97753	**0.471**	Light grey, slurry texture
12 to 16	97754	**0.312**	Light grey, slurry texture
16 to 20	97755	**0.583**	Light grey, slurry texture
20 to 24	97756	**0.290**	Light grey, slurry texture
24 to 28	97757	**0.489**	Light to dark grey, slurry texture
28 to 32	97758	**0.459**	Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 60E

Hole ID: BH08-86 **Grid Location:** L3+60E / 0+25mS **Date:** 03/23/23008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97759		Tan to brown, semi solid
4 to 8	97760		Brown to light grey, semi solid
8 to 12	97761		Llight grey, slurry texture
12 to 16	97762		Llight grey, slurry texture
16 to 20	97763		Light to dark grey, slurry texture
20 to 24	97764		Dark grey to black, humus, slurry texture

Hole ID: BH08-87 **Grid Location:** L3+60E / 0+50mS **Date:** 03/24/23008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53108	0.819	Tan to brown, semi solid
4 to 8	53109	0.936	Brown to light grey, semi solid
8 to 12	53110	0.686	Llight grey, slurry texture
12 to 16	53111	0.545	Llight grey, slurry texture
16 to 20	53112	0.437	Light to dark grey, slurry texture
20 to 24	53113	0.331	Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 90E

Hole ID: BH08-88 Grid Location: L3+90E / 1+00mN Date: 3/24/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53129		Tan to brown, semi solid
4 to 8	53130		Brown to light grey, semi solid
8 to 12	53131		Light grey, slurry texture
12 to 16	53132		Light grey, slurry texture
16 to 20	53133		Light to dark grey, slurry texture
20 to 24	53134		Dark grey to black, humus, slurry texture

Hole ID: BH08-89 Grid Location: L3+90E / 0+50mN Date: 3/24/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53124		Tan to brown, semi solid
4 to 8	53125		Brown to light grey, semi solid
8 to 12	53126		Light grey, slurry texture
12 to 16	53127		Light to dark grey, slurry texture
16 to 20	53128		Dark grey to black, humus, slurry texture

Hole ID: BH08-90 Grid Location: L3+90E / BL0+00 Date: 3/24/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53119		Tan to brown, semi solid
4 to 8	53120		Brown to light grey, semi solid
8 to 12	53121		Light grey, slurry texture
12 to 16	53122		Light to dark grey, slurry texture
16 to 20	53123		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 3 + 90E

Hole ID: BH08-91 **Grid Location:** L3+90E / 0+50mS **Date:** 3/24/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53114		Tan to brown, semi solid
4 to 8	53115		Brown to light grey, semi solid
8 to 12	53116		Light grey, slurry texture
12 to 16	53117		Light to dark grey, slurry texture
16 to 20	53118		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 4 + 20E

Hole ID: BH08-92 Grid Location: L4+20E / 0+50mN Date: 3/27/2008

Interval(ft)	Sample ID	Au (g/t)	Comments
0 to 4	48562		Tan to brown, semi solid
4 to 8	48563		Brown to light grey, semi solid
8 to 12	48564		Light to dark grey, slurry texture
12 to 16	48565		Dark grey to black, humus, slurry texture

Hole ID: BH08-93 Grid Location: L4+20E / 0+25mN Date: 3/27/2008

Interval(ft)	Sample ID	Au (g/t)	Comments
0 to 4	48566	1.142	Tan to brown, semi solid
4 to 8	48567	0.562	Brown to light grey, semi solid
8 to 12	48568	0.363	Light grey, slurry texture
12 to 16	48569	1.001	Light grey, slurry texture
16 to 20	48570	0.399	Light grey, slurry texture
20 to 24	48571	0.713	Light to dark grey, slurry texture
24 to 28	48572	0.470	Dark grey to black, humus, slurry texture

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Hole ID: BH08-94 Grid Location: L4+20E / 0+25mS Date: 3/27/2008

Interval(ft)	Sample ID	Au (g/t)	Comments
0 to 4	48573		Tan brown to light grey, semi solid
4 to 8	48574		Light to dark grey, slurry texture
8 to 12	48575		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 4 + 20E

Hole ID: BH08-95 **Grid Location:** L4+20E / 0+75mS **Date.** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	48576		Tan brown to light grey, semi solid
4 to 8	48577		Light to dark grey, slurry texture
8 to 12	48578		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 4 + 50E

Hole ID: BH08-96 **Grid Location:** L4+50E / 1+00mN **Date:** 3/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53144		Tan to brown, semi solid
4 to 8	53145		Brown to light grey, semi solid
8 to 12	53146		Light grey, slurry texture
12 to 16	53147		Light grey, slurry texture
16 to 20	53148		Light to dark grey, slurry texture
20 to 24	53149		Dark grey to black, humus, slurry texture

Hole ID: BH08-97 **Grid Location:** L4+50E / 0+50mN **Date:** 3/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53140		Tan to brown, semi solid
4 to 8	53141		Brown to light grey, semi solid
8 to 12	53142		Light to dark grey, slurry texture
12 to 16	53143		Dark grey to black, humus, slurry texture

Hole ID: BH08-98 **Grid Location:** L4+50E / BL0+00 **Date:** 3/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	53135		Tan to brown, semi solid
4 to 8	53136		Brown to light grey, semi solid
8 to 12	53137		Light grey, slurry texture
12 to 16	53138		Light to dark grey, slurry texture
16 to 20	53139		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 4 + 50E

Hole ID: BH08-99 **Grid Location:** L4+50E / 0+50mS **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	48579		Tan to brown, semi solid
4 to 8	48580		Brown to light grey, semi solid
8 to 12	48581		Light grey, slurry texture
12 to 16	48582		Light grey, slurry texture
16 to 20	48583		Light to dark grey, slurry texture
20 to 24	48584		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 4 + 80E

Hole ID: BH08-100 **Grid Location:** L4+80E / 0+75mN **Date:** 3/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97662		Tan to brown, semi solid
4 to 8	97663		Brown to light grey, semi solid
8 to 12	97664		Light to dark grey, slurry texture
12 to 16	97665		Dark grey to black, humus, slurry texture

Hole ID: BH08-101 **Grid Location:** L4+80E / 0+25mN **Date:** 3/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97666		Tan to brown, semi solid
4 to 8	97667		Brown to light grey, semi solid
8 to 12	97668		Light to dark grey, slurry texture
12 to 16	97669		Dark grey to black, humus, slurry texture

Hole ID: BH08-102 **Grid Location:** L4+80E / 0+25mS **Date:** 3/25/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97670		Tan to brown, semi solid
4 to 8	97671		Brown to light grey, semi solid
8 to 12	97672		Light grey, slurry texture
12 to 16	97673		Light to dark grey, slurry texture
16 to 20	97674		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 5 + 10E

Hole ID: BH08-103 **Grid Location:** L5+10E / 1+00mN **Date:** 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70622		Tan brown to light grey, semi solid
4 to 8	70623		Light to dark grey, slurry texture
8 to 12	70624		Dark grey to black, humus, slurry texture

Hole ID: BH08-104 **Grid Location:** L5+10E / 0+50mN **Date:** 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97772		Tan to brown, semi solid
4 to 8	97773		Brown to light grey, semi solid
8 to 12	96774		Light to dark grey, slurry texture
12 to 16	97775		Dark grey to black, humus, slurry texture

Hole ID: BH08-105 **Grid Location:** L5+10E / BL0+00 **Date:** 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97768		Tan to brown, semi solid
4 to 8	97769		Brown to light grey, semi solid
8 to 12	97770		Light to dark grey, slurry texture
12 to 16	97771		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 5 + 10E

Hole ID: BH08-106 Grid Location: L5+10E / 0+50mS Date: 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97765		Tan brown to light grey, semi solid
4 to 8	97766		Light to dark grey, slurry texture
8 to 12	97767		Dark grey to black, humus, slurry texture

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 5 + 40E

Hole ID: BH08-107 **Grid Location:** L5+40E / 1+75mN **Date:** 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70625		Tan brown to light grey, semi solid
4 to 8	70626		Light to dark grey, slurry texture
8 to 12	70627		Dark grey to black, humus, slurry texture

Hole ID: BH08-108 **Grid Location:** L5+40E / 1+25mN **Date:** 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97701		Tan to brown, semi solid
4 to 8	97702		Brown to light grey, semi solid
8 to 12	96703		Light grey, slurry texture
12 to 16	97704		Light to dark grey, slurry texture
16 to 20	97705		Dark grey to black, humus, slurry texture

Hole ID: BH08-109 **Grid Location:** L5+40E / 0+75mN **Date:** 3/26/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97706		Tan to brown, semi solid
4 to 8	97707		Brown to light grey, semi solid
8 to 12	96708		Light to dark grey, slurry texture
12 to 16	97709		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 5 + 40E

Hole ID: BH08-110 **Grid Location:** L5+40E / 0+25mN **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70628		Tan to brown, semi solid
4 to 8	70629		Brown to light greey, semi solid
8 to 12	70630		Light to dark grey, slurry texture
12 to 16	70631		Dark grey to black, humus, slurry texture

Hole ID: BH08-111 **Grid Location:** L5+40E / 0+25mS **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70632		Tan to brown, semi solid
4 to 8	70633		Brown to light greey, semi solid
8 to 12	70634		Light grey, slurry texture
12 to 16	70635		Light grey, slurry texture
16 to 20	70636		Light grey, slurry texture
20 to 24	70637		Light grey, slurry texture
24 to 28	70638		Light grey, slurry texture
28 to 32	70639		Light to dark grey, slurry texture
32 to 36	70640		Dark grey to black, humus, slurry texture

Hole ID: BH08-112 **Grid Location:** L5+40E / 0+75mS **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	70641		Tan to brown, semi solid
4 to 8	70642		Brown to light greey, semi solid
8 to 12	70643		Light to dark grey, slurry texture
12 to 16	70644		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 5 + 70E

Hole ID: BH08-113 **Grid Location:** L5+70E / 1+50mN **Date:** 3/28/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	48585		Tan to brown, semi solid
4 to 8	48586		Brown to light grey, semi solid
8 to 12	48587		Light to dark grey, slurry texture
12 to 16	48588		Dark grey to black, humus, slurry texture

Hole ID: BH08-114 **Grid Location:** L5+70E / 1+00mN **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97728		Tan to brown, semi solid
4 to 8	97729		Brown to light grey, semi solid
8 to 12	97730		Light to dark grey, slurry texture
12 to 16	97731		Dark grey to black, humus, slurry texture

Hole ID: BH08-115 **Grid Location:** L5+70E / 0+50mN **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97724		Tan to brown, semi solid
4 to 8	97725		Brown to light grey, semi solid
8 to 12	97726		Light to dark grey, slurry texture
12 to 16	97727		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 5 + 70E

Hole ID: BH08-116 **Grid Location:** L5+70E / BL0+00 **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97720		Tan to brown, semi solid
4 to 8	97721		Brown to light grey, semi solid
8 to 12	97722		Light to dark grey, slurry texture
12 to 16	97723		Dark grey to black, humus, slurry texture

Hole ID: BH08-117 **Grid Location:** L5+70E / 0+50mS **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97716		Tan to brown, semi solid
4 to 8	97717		Brown to light grey, semi solid
8 to 12	97718		Light to dark grey, slurry texture
12 to 16	97719		Dark grey to black, humus, slurry texture

Hole ID: BH08-118 **Grid Location:** L5+70E / 0+75mS **Date:** 3/27/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97710		Tan to brown, semi solid
4 to 8	97711		Brown to light grey, semi solid
8 to 12	97712		Light grey, slurry texture
12 to 16	97713		Light grey, slurry texture
16 to 20	97714		Light to dark grey, slurry texture
20 to 24	97715		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 00E

Hole ID: BH08-119 **Grid Location:** L6+00E / 1+75mN **Date:** 3/28/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	48589		Tan brown to dark grey, semi solid
4 to 8	48590		Dark grey to black, humus, slurry texture

Hole ID: BH08-120 **Grid Location:** L6+00E / 1+25mN **Date:** 3/28/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	48591		Tan to brown, semi solid
4 to 8	48592		Brown to light grey, semi solid
8 to 12	48593		Light grey, slurry texture
12 to 16	48594		Light grey, slurry texture
16 to 20	48595		Light to dark grey, slurry texture
20 to 24	48596		Dark grey to black, humus, slurry texture

Hole ID: BH08-121 **Grid Location:** L6+00E / 0+75mN **Date:** 3/28/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	48597		Tan to brown, semi solid
4 to 8	48598		Brown to light grey, semi solid
8 to 12	48599		Light to dark grey, slurry texture
12 to 16	48600		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 00E

Hole ID: BH08-122 Grid Location: L6+00E / 0+25mN Date: 3/31/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96501		Tan brown to light grey, semi solid
4 to 8	96502		Light to dark grey, semi solid
8 to 12	96503		Dark grey to black, humus, slurry texture

Hole ID: BH08-123 Grid Location: L6+00E / 0+25mS Date: 3/31/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96504		Tan to brown, semi solid
4 to 8	96505		Brown to light grey, semi solid
8 to 12	96506		Light grey, slurry texture
12 to 16	96507		Light grey, slurry texture
16 to 20	96508		Light grey, slurry texture
20 to 24	96509		Light grey, slurry texture
24 to 28	96510		Light grey, slurry texture
28 to 32	96511		Light grey, slurry texture
32 to 36	96512		Light to dark grey, slurry texture
36 to 40	96513		Dark grey to black, humus, slurry texture

Hole ID: BH08-124 Grid Location: L6+00E / 0+75mS Date: 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97732		Tan to brown, semi solid
4 to 8	97733		Brown to light grey, semi solid
8 to 12	97734		Light grey, slurry texture
12 to 16	97735		Light grey, slurry texture
16 to 20	97736		Light grey, slurry texture
20 to 24	97737		Light to dark grey, slurry texture
24 to 28	97738		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 00E

Hole ID: BH08-125 Grid Location: L6+00E / 1+25mS Date: 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97739		Tan brown to light grey, semi solid
4 to 8	97740		Light to dark grey, semi solid
8 to 12	97741		Dark grey to black, humus, slurry texture

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: Grid Location: Date:

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 30E

Hole ID: BH08-126 **Grid Location:** L6+30E / 1+50mN **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96551		Tan to brown, semi solid
4 to 8	96552		Brown to light grey, semi solid
8 to 12	96553		Light to dark grey, slurry texture
12 to 16	96554		Dark grey to black, humus, slurry texture

Hole ID: BH08-127 **Grid Location:** L6+30E / 1+00mN **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96959		Tan to brown, semi solid
4 to 8	96960		Brown to light grey, semi solid
8 to 12	96961		Light grey, slurry texture
12 to 16	96962		Light grey, slurry texture
16 to 20	96963		Light to dark grey, slurry texture
20 to 24	96964		Dark grey to black, humus, slurry texture

Hole ID: BH08-128 **Grid Location:** L6+30E / 0+50mN **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96955		Tan to brown, semi solid
4 to 8	96956		Brown to light grey, semi solid
8 to 12	96957		Light to dark grey, slurry texture
12 to 16	96958		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 30E

Hole ID: BH08-129 **Grid Location:** L6+30E / BL0+00 **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96952		Tan brown to light grey, semi solid
4 to 8	96953		Light to dark grey, semi solid
8 to 12	96954		Dark grey to black, humus, slurry texture

Hole ID: BH08-130 **Grid Location:** L6+30E / 0+50mS **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97749		Tan brown to light grey, semi solid
4 to 8	97750		Light to dark grey, semi solid
8 to 12	96951		Dark grey to black, humus, slurry texture

Hole ID: BH08-131 **Grid Location:** L6+30E / 1+00mS **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97746		Tan brown to light grey, semi solid
4 to 8	97747		Light to dark grey, semi solid
8 to 12	97748		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 30E

Hole ID: BH08-132 **Grid Location:** L6+30E / 1+50mS **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	97742		Tan to brown, semi solid
4 to 8	97743		Brown to light grey, semi solid
8 to 12	97744		Light to dark grey, slurry texture
12 to 16	97745		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 60E

Hole ID: BH08-133 **Grid Location:** L6+60E / 1+23mN **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96559		Tan to brown, semi solid
4 to 8	96560		Brown to light grey, semi solid
8 to 12	96561		Light to dark grey, slurry texture
12 to 16	96562		Dark grey to black, humus, slurry texture

Hole ID: BH08-134 **Grid Location:** L6+60E / 0+75mN **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96555		Tan to brown, semi solid
4 to 8	96556		Brown to light grey, semi solid
8 to 12	96557		Light to dark grey, slurry texture
12 to 16	96558		Dark grey to black, humus, slurry texture

Hole ID: BH08-135 **Grid Location:** L6+60E / 0+25mN **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96563		Tan to brown, semi solid
4 to 8	96564		Brown to light grey, semi solid
8 to 12	96565		Light to dark grey, slurry texture
12 to 16	96566		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 60E

Hole ID: BH08-136 **Grid Location:** L6+60E / 0+25mS **Date:** 4/2/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96567		Tan brown to black, humus, semi solid

Hole ID: BH08-137 **Grid Location:** L6+60E / 0+75mS **Date:** 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96965		Tan brown to dark grey, semi solid
4 to 8	96966		Dark grey to black, humus, slurry texture

Hole ID: BH08-138 **Grid Location:** L6+60E / 1+25mS **Date:** 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96967		Tan brown to dark grey, semi solid
4 to 8	96968		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 60E

Hole ID: BH08-139 **Grid Location:** L6+60E / 1+75mS **Date:** 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96568		Tan brown to dark grey, semi solid
4 to 8	96569		Dark grey to black, humus, slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 90E

Hole ID: BH08-139A **Grid Location:** L6+90E / 1+00mN **Date:** 4/4/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96973		Tan brown to light grey, semi solid
4 to 8	96974		Light to dark grey, slurry texture
8 to 12	96975		Dark grey to black, humus, slurry texture

Hole ID: BH08-140 **Grid Location:** L6+90E / 0+50mN **Date:** 4/4/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96969		Tan to brown, semi solid
4 to 8	96970		Brown to light grey, semi solid
8 to 12	96971		Light to dark grey, slurry texture
12 to 16	96972		Dark grey to black, humus, slurry texture

Hole ID: BH08-141 **Grid Location:** L6+90E / BL0+00 **Date:** 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96576		Tan to brown, semi solid
4 to 8	96577		Brown to light grey, semi solid
8 to 12	96578		Light grey, slurry texture
12 to 16	96579		Light to dark grey, slurry texture
16 to 20	96580		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 90E

Hole ID: BH08-142 Grid Location: L6+90E / 0+50mS Date: 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96575		Tan brown to dark grey, black humus, semi solid to slurry texture

Hole ID: BH08-143 Grid Location: L6+90E / 1+00mS Date: 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96574		Tan brown to dark grey, black humus, semi solid to slurry texture

Hole ID: BH08-144 Grid Location: L6+90E / 1+50mS Date: 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96571		Tan brown to light grey, semi solid
4 to 8	96572		Light to dark grey, slurry texture
8 to 12	96573		Dark grey to black, humus, slurry texture

Sylvanite Tailings Drilling: Bore Hole Logs

NORTHERN GOLD

Line Number: L 6 + 90E

Hole ID: BH08-145 **Grid Location:** L6+90E / 2+00mS **Date:** 4/3/2008

Interval(ft)	Sample ID	Au(g/t)	Comments
0 to 4	96570		Tan brown to dark grey, black humus, semi solid to slurry texture

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

Hole ID: **Grid Location:** **Date:**

Interval(ft)	Sample ID	Au(g/t)	Comments

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Geochemical Analysis Certificate

8W-1731-RG1

Company: **NORTHERN GOLD MINING INC**
Project: SYL
Attn: K. RATTEE

Date: JUL-17-08

We hereby certify the following Geochemical Analysis of 68 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
43105	324	355
43106	374	-
43107	394	-
43108	483	-
43109	437	-
44301	394	-
44302	434	-
44303	723	732
44304	398	-
44305	645	-
44806	703	-
44807	561	-
44808	355	-
44809	381	-
44810	730	747
44811	411	-
44812	379	-
44813	362	-
48566	1142	1059
48567	562	-
48568	363	-
48569	1001	-
48570	399	-
48571	713	-
48572	470	-
44814	588	-
53101	480	-
53102	758	723
53103	607	-
53104	555	-

Certified by Denis Chamberlain

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8W-1731-RG1

Company: **NORTHERN GOLD MINING INC**
Project: SYL
Attn: K. RATTEE

Date: JUL-17-08

We hereby certify the following Geochemical Analysis of 68 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
53105	370	-
53106	458	-
53107	542	-
53108	819	753
53109	936	-
53110	686	-
53111	545	-
53112	437	-
53113	331	-
56303	401	-
56304	470	-
56305	399	-
56306	310	-
56307	295	-
56308	343	-
56309	360	-
56310	355	370
70514	711	-
70515	909	-
70516	492	-
70517	439	-
70518	1006	-
70519	288	-
70520	588	-
70536	1049	998
70537	574	-
70538	555	-
70539	240	225
70540	566	-
70541	411	-

Certified by Donna Christie

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8W-1731-RG1

Company: **NORTHERN GOLD MINING INC**
Project: SYL
Attn: K. RATTEE

Date: JUL-17-08

We hereby certify the following Geochemical Analysis of 68 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
70542	441	-
70551	497	-
70552	591	-
70553	564	-
70554	756	-
70555	526	549
70556	489	-
70557	859	-
BLANK	Nil	-
STD OxJ64	693	-

Certified by Dennis Chartier

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8W-1732-RG1

Company: **NORTHERN GOLD MINING INC.**
Project: SYL
Attn: K. RATTEE

Date: AUG-11-08

We hereby certify the following Geochemical Analysis of 70 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
70566	1608	-
70567	543	-
70568	567	-
70569	382	-
70570	657	-
70571	530	-
70572	442	-
70573	547	-
70574	583	-
87545	343	351
87546	389	-
87547	495	-
87548	417	-
87549	465	-
87565	500	511
87566	837	811
87567	396	-
87568	684	-
87569	751	741
87570	756	-
87571	403	-
87572	225	-
87959	725	-
87960	754	734
87961	679	699
87962	490	-
87963	346	-
87964	458	-
97507 MISSING CK#24	-	-
97508 MISSING CK#25	-	-

Certified by Denis Charette

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Company: **NORTHERN GOLD MINING INC.**
Project: SYL
Attn: K. RATTEE

Date: AUG-11-08

We hereby certify the following Geochemical Analysis of 70 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
97509 MISSING CK#28	-	-
97628	326	-
97629	453	-
97630	399	-
97631	641	-
97632	334	-
97633	351	-
97634	499	-
97751	382	372
97752	638	-
97753	471	-
97754	312	-
97755	583	626
97756	290	-
97757	489	-
97758	459	-
97810	353	-
97811	658	-
97812	849	-
97813	394	-
97814	312	-
97815	310	-
97816	303	-
97817	430	453
97818	538	-
97819	425	-
97820	343	-
97821	401	-
97822	245	-
97827	377	-

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Company: **NORTHERN GOLD MINING INC.** Date: AUG-11-08
Project: SYL
Attn: K. RATTEE

We hereby certify the following Geochemical Analysis of 70 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
97828	480	-
97829	399	-
97830	499	-
97831	420	-
97832	341	-
97833	423	-
97842	749	785
97843	552	-
97844	473	-
97845	447	-
97846	417	-
97847	360	-
97848	300	-
97849 MISSING CK#67	-	-
BLANK	NIL	-
STD OxJ64	2304	-

Certified by Denis Chatt

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8W-1733-RG1

Company: **NORTHERN GOLD MINING INC.**
Project: SYL
Attn: K. RATTEE

Date: AUG-11-08

We hereby certify the following Geochemical Analysis of 52 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
97851	857	807
97852	656	-
97853 MISSING CK#1	-	-
97854	693	-
97855	862	-
97856	537	-
97869	922	987
97870	581	-
97871	387	-
97872	406	-
97873	497	-
97874	312	-
97885 MISSING CK#7	-	-
97886	953	955
97887	353	-
97888	422	447
97889	362	-
97890	597	-
97897	525	-
97898	643	-
97899	442	-
97904	561	-
97905	461	-
97906	946	-
97907	624	-
97908	393	-
97909	576	-
97916	411	-
97917	444	-
97918	439	-

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Date: AUG-11-08

We hereby certify the following Geochemical Analysis of 52 TAILINGS samples submitted JUN-20-08 by .

Sample Number	Au PPB	Au Check PPB
97919	391	-
97920	437	-
97929	607	-
97930	1042	-
97931	450	489
97932	370	-
97933	408	386
97970	605	-
97971	682	-
97972	350	-
97973	463	-
97981	727	-
97982	813	-
97983	439	-
97984	358	-
97985	139	120
97986	86	72
97987 MISSING CK#46	-	-
97988 MISSING CK#47	-	-
97990	492	-
97991	564	497
97992	595	-
97993	377	-
97994	355	-
97995	595	-
97998 EXTRA	403	-
BLANK	NIL	-
STD OxJ64	2345	-

Certified by Denis Christie

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

8W-0969-RA1

Company: **NORTHERN GOLD MINING INC.**
Project: SYL. T
Attn: KEN RATTEE

Date: APR-24-08

We hereby certify the following Assay of 22 Tails samples submitted APR-17-08 by .

Sample Number	Au g/tonne	Au Check g/tonne
24651 MISSING	-	-
24652	1.52	1.85
24653	0.66	0.65
24654	0.69	-
24655	0.88	-
24656	0.71	-
24657	0.66	-
24658	1.62	1.37
24659	0.76	-
24660	0.75	-
24661	0.60	-
24662	0.65	-
24663	0.46	-
24664	0.56	-
24665	0.48	-
24666	0.55	-
24667	0.62	-
24668	0.71	-
24669	1.29	1.35
24670	0.77	-
24671	0.01	-
24672	0.52	-
24959	0.40	-
BLANK	0.01	-
STD OxJ 64	2.39	

Certified by Denis Charette

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

Swastika Laboratories Ltd

Established 1928

Assaying - Consulting - Representation

Assay Certificate

8W-0919-RA1

Company: **NORTHERN GOLD MINING INC.**
Project: SYL T
Attn: KEN RATTEE

Date: APR-17-08

We hereby certify the following Assay of 1 TAILS samples submitted APR-15-08 by .

Sample Number	Au g/tonne	Au Check g/tonne
24651	0.74	0.72

– tailings grab from the tailings line

Certified by Dennis Charter

1 Cameron Ave., P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 Fax (705) 642-3300

PolyMet Laboratories

Client: Northern Gold Mining Inc

CERTIFICATE **# 3782** Job No. 0-143

Date:
April 25 /08

Sample #	Au Oz/ton	g/tonne
24951	0.050	1.714
24952	0.024	0.823
24953	0.012	0.411
24954	0.024	0.823
24955	0.034	1.166
24956	0.032	1.097
24957	0.034	1.166
24958	0.020	0.686
24960	0.032	1.097
24961	0.026	0.891
24962	0.022	0.754
24963	0.022	0.754
24964	0.022	0.754
24965	0.026	0.891
24966	0.026	0.891
24967	0.024	0.823
24968	0.026	0.891
24969	0.034	1.166
24970	0.028	0.960
24971	0.048	1.646
24972	0.038	1.303
24973	0.034	1.166
24974	0.034	1.166

Ticket # s 41957 + 41959 In the same sample bag

23 Tails

Std Oxl 63 0.172 5.897

Certified Assayer:

INTERNATIONAL PLASMA LABS LTD.
ISO 9001:2000 CERTIFIED COMPANY

CERTIFICATE OF ANALYSIS
iPL 08F2785

ISO 9001:2000 Intertek
Richmond, B.C.
Canada V7A 4V5
Phone (604) 272-7818
Fax (604) 272-0851
Website www.ipl.ca

Northern Gold Mines Inc
Project : None Given
Shipper : Ken Rattee
Shipment: PO#:
Comment:
Samples re-pulverized before re-assays

15 Samples Print: Jun 17, 2008 In: Jun 12, 2008 [278513:11:59:80061708:002]

CODE	AMOUNT	TYPE	PREPARATION DESCRIPTION	PULP	REJECT
B31100	15	Pulp	Pulp received as it is, no sample prep.	12M/Dis	00M/Dis
B84100	1	Repeat	Repeat sample - no Charge	12M/Dis	00M/Dis
B82101	1	Blk iPL	Blank iPL - no charge.	00M/Dis	00M/Dis
B90023	1	STD iPL	Std iPL(Au Certified) - no charge		

NS=No Sample Rep=Replicate M=Month Dis=Discard

Analytical Summary
Analysis: Au(FA) Eric Charters method / as per KNO3 method sent 2008/05/22

##	Code	Method	Units	Description	Element	Limit Low	Limit High
01	0313	FA/AAS	ppb	Au FA/AAS finish 30g	Gold	2	10000

Document Distribution
1 Northern Gold Mines Inc
1470 Government Rd. West
Kirkland Lake
Ontario P2N 3J1
Canada
Att: Ken Rattee

Em:krattee@northerngold.ca

* Our liability is limited solely to the analytical cost of these analyses.
ID=C116201

BC Certified Assayer: David Chiu

Signature: _____

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Canada V7A 4V5
Phone (604) 272-7818
Fax (604) 272-0851
Website www.ipl.ca

Client : Northern Gold Mines Inc
Project: None Given

15 Samples

Ship#

15=Pulp 1=Repeat 1=Blk iPL 1=STD iPL [27851311598006170800 2] In: Jun 12, 2008

Print: Jun 17, 2008

Sample Name	Type	Au ppb
97952-ADD	Pulp	950
97953-ADD	Pulp	289
97955-ADD	Pulp	654
97957-ADD	Pulp	713
97958-ADD	Pulp	750
97964-ADD	Pulp	394
97966-ADD	Pulp	512
97968-ADD	Pulp	502
97969-ADD	Pulp	475
97970-ADD	Pulp	446
97971-ADD	Pulp	340
97973-ADD	Pulp	589
97980-ADD	Pulp	320
97986-ADD	Pulp	475
97988-ADD	Pulp	362
RE 97952-ADD	Repeat	989
Blank iPL	Blk iPL	<2
OXI54	STD iPL	1858
OXI54 REF	STD iPL	1868

Minimum Detection	2
Maximum Detection	10000
Method	FA/AAS

——=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Canada V7A 4V5
Phone (604) 272-7818
Fax (604) 272-0851
Website www.ipl.ca

Client : Northern Gold Mines Inc
Project: None Given

135 Samples

Ship#

135=Pulp 7=Repeat 1=Blk iPL 1=STD iPL [16061316138006170800 5] In: Apr 03, 2008

Sample Name	Type	Au ppb	Au ppb	Au ppb	Au ppb	Au ppb	S(tot) %	Te ppm	(Free)CN- µg/g
97970-C	Pulp	—	—	—	—	—	—	—	—
97971-C	Pulp	—	—	—	—	—	—	—	—
97973-C	Pulp	—	—	—	—	—	—	—	—
97980-C	Pulp	—	—	—	—	—	—	—	—
97986-C	Pulp	—	—	—	—	—	—	—	—
97988-C	Pulp	—	—	—	—	—	—	—	—
97952-D	Pulp	—	—	—	—	—	—	—	—
97953-D	Pulp	—	—	—	—	—	—	—	—
97955-D	Pulp	—	—	—	—	—	—	—	—
97957-D	Pulp	—	—	—	—	—	—	—	—
97958-D	Pulp	—	—	—	—	—	—	—	—
97964-D	Pulp	—	—	—	—	—	—	—	—
97966-D	Pulp	—	—	—	—	—	—	—	—
97968-D	Pulp	—	—	—	—	—	—	—	—
97969-D	Pulp	—	—	—	—	—	—	—	—
97970-D	Pulp	—	—	—	—	—	—	—	—
97971-D	Pulp	—	—	—	—	—	—	—	—
97973-D	Pulp	—	—	—	—	—	—	—	—
97980-D	Pulp	—	—	—	—	—	—	—	—
97986-D	Pulp	—	—	—	—	—	—	—	—
97988-D	Pulp	—	—	—	—	—	—	—	—
97952-E	Pulp	907	—	—	—	—	—	—	—
97953-E	Pulp	467	—	—	—	—	—	—	—
97955-E	Pulp	548	—	—	—	—	—	—	—
97957-E	Pulp	573	—	—	—	—	—	—	—
97958-E	Pulp	571	—	—	—	—	—	—	—
97964-E	Pulp	346	—	—	—	—	—	—	—
97966-E	Pulp	534	—	—	—	—	—	—	—
97968-E	Pulp	487	—	—	—	—	—	—	—
97969-E	Pulp	397	—	—	—	—	—	—	—
97970-E	Pulp	507	—	—	—	—	—	—	—
97971-E	Pulp	337	—	—	—	—	—	—	—
97973-E	Pulp	587	—	—	—	—	—	—	—
97980-E	Pulp	361	—	—	—	—	—	—	—
97986-E	Pulp	483	—	—	—	—	—	—	—
97988-E	Pulp	319	—	—	—	—	—	—	—
97952-F	Pulp	—	910	—	—	—	—	—	—
97953-F	Pulp	—	411	—	—	—	—	—	—
97955-F	Pulp	—	563	—	—	—	—	—	—
Minimum Detection		2	2	2	2	2	0.01	10	0.05
Maximum Detection		10000	10000	10000	10000	10000	20.00	10000	100000.00
Method		FA/AAS	FA/AAS	AqRExt	AqRExt	AqRExt	Leco	ICPM	4500-CN-E

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Phone (604) 272-7818
Fax (604) 272-0851
Website www.ipl.ca

Client : Northern Gold Mines Inc
Project: None Given

135 Samples

Ship#

135=Pulp 7=Repeat 1=Blk iPL 1=STD iPL [16061316138006170805] In: Apr 03, 2008

Print: Jun 17, 2008

Sample Name	Type	Au ppb	Au ppb	Au ppb	Au ppb	Au ppb	S(tot) %	Te ppm	(Free)CN- µg/g
97957-F	Pulp	—	570	—	—	—	—	—	—
97958-F	Pulp	—	581	—	—	—	—	—	—
97964-F	Pulp	—	346	—	—	—	—	—	—
97966-F	Pulp	—	537	—	—	—	—	—	—
97968-F	Pulp	—	468	—	—	—	—	—	—
97969-F	Pulp	—	386	—	—	—	—	—	—
97970-F	Pulp	—	492	—	—	—	—	—	—
97971-F	Pulp	—	315	—	—	—	—	—	—
97973-F	Pulp	—	557	—	—	—	—	—	—
97980-F	Pulp	—	322	—	—	—	—	—	—
97986-F	Pulp	—	451	—	—	—	—	—	—
97988-F	Pulp	—	292	—	—	—	—	—	—
97952-G	Pulp	—	—	—	—	—	1.38	—	—
97953-G	Pulp	—	—	—	—	—	0.69	—	—
97955-G	Pulp	—	—	—	—	—	0.90	—	—
97957-G	Pulp	—	—	—	—	—	0.76	—	—
97958-G	Pulp	—	—	—	—	—	0.57	—	—
97964-G	Pulp	—	—	—	—	—	0.63	—	—
97966-G	Pulp	—	—	—	—	—	0.75	—	—
97968-G	Pulp	—	—	—	—	—	0.89	—	—
97969-G	Pulp	—	—	—	—	—	0.58	—	—
97970-G	Pulp	—	—	—	—	—	0.58	—	—
97971-G	Pulp	—	—	—	—	—	0.60	—	—
97973-G	Pulp	—	—	—	—	—	0.85	—	—
97980-G	Pulp	—	—	—	—	—	0.69	—	—
97986-G	Pulp	—	—	—	—	—	0.84	—	—
97988-G	Pulp	—	—	—	—	—	0.48	—	—
97952-H	Pulp	—	—	—	—	—	—	<10	—
97953-H	Pulp	—	—	—	—	—	—	10	—
97955-H	Pulp	—	—	—	—	—	—	11	—
97957-H	Pulp	—	—	—	—	—	—	12	—
97958-H	Pulp	—	—	—	—	—	—	12	—
97964-H	Pulp	—	—	—	—	—	—	14	—
97966-H	Pulp	—	—	—	—	—	—	<10	—
97968-H	Pulp	—	—	—	—	—	—	11	—
97969-H	Pulp	—	—	—	—	—	—	10	—
97970-H	Pulp	—	—	—	—	—	—	10	—
97971-H	Pulp	—	—	—	—	—	—	<10	—
97973-H	Pulp	—	—	—	—	—	—	10	—
Minimum Detection		2	2	2	2	2	0.01	10	0.05
Maximum Detection		10000	10000	10000	10000	10000	20.00	10000	100000.00
Method		FA/AAS	FA/AAS	AqREXt	AqREXt	AqREXt	Leco	ICPM	4500-CN-E

—=No Test Ins=Insufficient Sample Del=Delay Max=No Estimate Rec=ReCheck m=x1000 %=Estimate % NS=No Sample

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Phone (604) 272-7818
Fax (604) 272-0851
Website www.ipl.ca

Client : Northern Gold Mines Inc
Project: None Given
Ship#

135 Samples

135=Pulp 7=Repeat 1=Blk iPL 1=STD iPL [16061316138006170805] In: Apr 03, 2008

Print: Jun 17, 2008

Sample Name	Type	Au ppb	Au ppb	Au ppb	Au ppb	Au ppb	S(tot) %	Te ppm	(Free)CN- µg/g
97980-H	Pulp	—	—	—	—	—	—	13	—
97986-H	Pulp	—	—	—	—	—	—	<10	—
97988-H	Pulp	—	—	—	—	—	—	<10	—
97952-ADD	Pulp	—	—	—	1040	—	—	—	<0.05
97953-ADD	Pulp	—	—	—	200	—	—	—	<0.05
97955-ADD	Pulp	—	—	—	585	—	—	—	<0.05
97957-ADD	Pulp	—	—	—	550	—	—	—	<0.05
97958-ADD	Pulp	—	—	—	751	—	—	—	<0.05
97964-ADD	Pulp	—	—	—	253	—	—	—	—
97966-ADD	Pulp	—	—	—	364	—	—	—	—
97968-ADD	Pulp	—	—	—	217	—	—	—	—
97969-ADD	Pulp	—	—	—	413	—	—	—	—
97970-ADD	Pulp	—	—	—	524	—	—	—	—
97971-ADD	Pulp	—	—	—	223	—	—	—	—
97973-ADD	Pulp	—	—	—	739	—	—	—	—
97980-ADD	Pulp	—	—	—	452	—	—	—	—
97986-ADD	Pulp	—	—	—	456	—	—	—	—
97988-ADD	Pulp	—	—	—	532	—	—	—	—
RE 97952-A	Repeat	—	—	—	—	—	—	—	—
RE 97958-B	Repeat	—	—	—	—	—	—	—	—
RE 97970-C	Repeat	—	—	—	—	—	—	—	—
RE 97986-D	Repeat	—	—	—	—	—	—	—	—
RE 97957-F	Repeat	—	—	—	—	—	—	—	—
RE 97968-G	Repeat	—	—	—	—	—	—	—	—
RE 97980-H	Repeat	—	—	—	—	—	—	13	—
Blank iPL	Blk iPL	<2	<2	—	—	—	—	—	—
OXI54	STD iPL	1868	1868	—	—	—	—	—	—
OXI54 REF	STD iPL	1868	1868	1868	1868	1868	—	—	—
Minimum Detection		2	2	2	2	2	0.01	10	0.05
Maximum Detection		10000	10000	10000	10000	10000	20.00	10000	100000.00
Method		FA/AAS	FA/AAS	AqREXt	AqREXt	AqREXt	Leco	ICPM	4500-CN-E

PRA

LEACH TEST RESULTS

Client: Northern Gold Mines Inc.
Sample: As specified

Date: 11-Apr-08
Project: 0802404

Objective: To determine gold grade by various leaching methods

Sample Id	Leach Method	Weight Slurry g	Weight Solids g	Volume PLS mL	Assay PLS Au, mg/L	Assay Solids Au, g/t	Calculated Head g/t, Au	Au Dissolution %
97954	Direct Cyanide Leaching	374	150	224.0	0.11	0.38	0.54	30.2
	Roast + Cyanide Leaching	366	150	216.0	0.2	0.19	0.48	60.2
	Average						**0.51**	
97957	Direct Cyanide Leaching	376	150	226.0	0.24	0.34	0.70	51.5
	Roast + Cyanide Leaching	322	150	172.1	0.26	0.26	0.56	53.4
	Average						**0.63**	
97961	Direct Cyanide Leaching	376	150	225.5	0.14	0.52	0.73	28.8
	Roast + Cyanide Leaching	368	147	221.1	0.28	0.23	0.65	64.7
	Average						**0.69**	
97962	Direct Cyanide Leaching	248	101	147.4	0.10	0.30	0.45	32.8
	Roast + Cyanide Leaching	242	100	142.0	0.15	0.12	0.33	64.0
	Thiosulfate Leaching	294	100	194.1	0.06	0.41	0.53	22.1
	Average						**0.44**	
97975	Direct Cyanide Leaching	250	100	150.3	0.23	0.43	0.78	44.6
	Roast + Cyanide Leaching	238	100	138.0	0.27	0.25	0.62	59.8
	Thiosulfate Leaching	304	100	204.4	0.11	0.59	0.82	27.7
	Average						**0.74**	

Test conditions for direct cyanide leaching:
40% solids, pH 10.5-11.0 with lime, 3g/L NaCN, retention time 24 hours

Test conditions for roasting followed by cyanide leaching:
Sample was roasted at 600C for 6 hours, calcine was leach as above

Test conditions for thiosulfate leaching:
40% solids, pH 8.2 with lime, 40g/L S2O3 (as Ca thiosulphate), 6g/L Cu (asCuSO4.5H2O), leach in dark room, retention time 3 hours

Metallurgical Report on Selected Samples from Sylvanite Tailings Pond

- for -

Northern Gold Mining Inc.

by E. Charters CET
HSM 1978 -
February 25th 2009

Eric Charters, an independent consultant was retained to conduct metallurgical testing on the tailings and to consult in proper procedure for systematically sampling of the Sylvanite tailings pond. As part of Mr. Charters pending report on the metallurgy of the tailings pond additional assay methods were conducted. A series of samples were sent to International Plasma Labs and analyzed using 10/20/20/60g-aqR Au Te S9T) by LECO /30/60g-Au by FA. The results are presented in Assay Certificates in the Appendix of this report. Also, a suite of 5 samples were sent to Process Research Associates to determine gold grade by various leaching methods. The results of which are reported in the Appendix of this report. A copy of E. Charters report can be found in the Appendix.

Conclusions and Recommendations

In conclusion the sampling of the Sylvanite tailings pond showed inconsistent assay results. It can also be concluded that the type of assay method used will be critical in determining a true and representative grade of the tailings pond. Unfortunately due to the low grade gold content produced in Northern Gold Mining Inc's Sampling Program a decision to discontinue further work was thought to be in the best interest of the company.

It is recommended at this time that upon completion of Mr. Charters "Report on the Metallurgy of the Sylvanite Tailings Pond" a more refined and logical decision on how to proceed to further enhance this project will be made available.

With the price of gold hovering around the $960 dollar range it is the author's opinion that this project does warrant further work.

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Methods of Analysis

In order to discover the metallurgy of the tailings, 0.15 kg sample were subjected to a cyanidation for 48 hours, whereby the head assay was done by 30 gram fire assay and the non dissolved residuum of the cyanide sample was also determined by 30 gram fire assay. The solution itself was subject to atomic absorption determination. Splits of these samples were also subjected to a roast and then a 48 hour bottle roll cyanide test with head and residuum fire assays done to determine the losses.

Results

Table of Recovery by Different Leach Methods. Cyanide Leach, Roast Plus Cyanide Leach and Thiosulfate Leach.

Sample#	B Leach method	C Slurry Weight gms	D Solids gms	E Volume PLS ML	F Assay PLS Au, mg/Litre	G Residue Assay Au G/T	H Calculated Head ((E/D) X F) + G Au g/T	I Au % Dissolution
97564	Direct Cyanide Leaching	374	150	224	0.11	0.38	0.54	30.2
	Roast + CL	366	150	216	0.2	0.19	0.48	60.2
							Average 0.51	
97957	Direct Cyanide Leaching	376	150	226	0.24	0.34	0.7	51.5
	Roast + CL	322	150	172.1	0.26	0.26	0.56	53.4
							Average 0.63	
97961	Direct Cyanide Leaching	376	150	225.5	0.14	0.52	0.73	28.8
	Roast + CL	368	147	221.1	0.28	0.23	0.65	64.7
							Average 0.69	
97962	Direct Cyanide Leaching	248	101	147.4	0.1	0.3	0.45	32.8
	Roast + CL	242	100	142	0.15	0.12	0.33	64
	Thiosulfate L	294	100	194.1	0.06	0.41	0.53	22.1
							Average 0.44	
97975	Direct Cyanide	250	100	150.3	0.23	0.43	0.78	44.6

Leaching							
Roast + CL	238	100	138	0.27	0.25	0.62	59.8
Thiosulfate L	304	100	204.4	0.11	0.59	0.82	27.7
					Average 0.74		

"Calculated Head" is arrived at by combining a fire assay of the residue with the assay of the leach liquor calculated back to the original sample weight.

"Au Dissolution" means the percent of gold recovered by leaching of the total gold calculated by fire assay combined with leaching assay.

Total Assay if calculated as (Column E/Column E) X Column F +
Column G
What this calculation means is that the solution assay is out of say 200 mils. and the head is 100 grams then calculated head assay by leaching will be 200/100 X the solution assay. Added to the assay of the residue we have the total calculated head assay.

Analysis:

The AU dissolution percent is often twice as high by roast + cyanide leach as it is by cyanide leach alone. This means that the gold is often tied up in refractory sulfides and/or tellurides.

Often, as much gold is tied up in sulfides (refractory), as is free. (In column "I" above, Direct Cyanide Leach %dissolution is most of the time about half of Roast and CL method. Roasting will release the gold from the sulfides and tellurides.)

What this means is that any process that recovers the rather coarse sulfides will get 1/2 the recoverable gold or thereabouts. If half the remaining free gold can be got, then a 75% recovery of the recoverable gold can be obtained (by gravity or other such suitable process.). It is unlikely that the "other gold" that is not exposed by straight cold leaching or roasting and leaching can be easily recovered, as this material must be tied up within an insoluble and unroastable material, such as quartz. This refractory material will not respond to flotation and probably only weakly to gravity recovery methods. Grinding methods to release the gold are probably cost prohibitive below 2 grams per tonne head grade.

Gravity methods could be experimented with. The first suggested test would be to determine if a specific SG regime of solids contained gold in sufficient quantities. Methylene Iodide heavy liquid tests should give an indication of this. An aim might be to see if most of the gold was recoverd at an SG of 3.5. Then a Falcon concentrator test could be made to see if sufficient gold is recovered in a high G regime. Gravity methods are sufficiently inexpensive that grades should not be pre-judged for economics. Economy is based on dollars in and dollars out, not some arbitrary grade. At good tonnage rates, some placer gold mines run profitably at 0.2 grams per cubic metre. They could only fervently wish for grades like 0.8 grams per tonne!

If gravity were as good a process for recovery as flotation, then it would be a preferred recovery method, as it may recover some of the lost values that are indicated in this table below, which are of the gold not dissolved by either cyanidation or by roasting and cyanidation.

It appears that about 35 to 40% of the gold is not recoverable by leaching methods. If all the gold could be recovered by some production method that leaching also achieves, and 30% of the refractory gold that leaching won't touch even by roasting, (which we could say is the heavier quartz with gold inside), then a recovery of 70% might be achieved. A way to improve that would be to lightly grind the tail after it was gravity recovered and subject it to flotation or gravity.

It is apparent from the cyanide tests related to job 08D1606, Northern Gold Mines Inc., that there was between 34% and 47% non-dissolution of gold by a procedure of roast followed by cyanide leach.

This must mean that gold is tied up in quartz (on average AU dissolution is 60.42% by roast and cyanide)

I have seen small particles of gold/sulfides/tellurides in quartz in the microscope. The effect of this would be that the gold so entrained in silica will not report to an AA assay.

Appendix A.

Notes:

(These notes refer primarily to assay methods. It is apparent from comparing labs and assay methods that more can be done for results by selecting a reliable lab than can be done with assay methods. It may be that choosing a lab may get up to 50% higher results, whilst a good assay method may increase a sulfide-bound sample by 15 to 30%.)

1. Two leach tests + fire assays on residues were done. A. Cyanide leach. -- Recovery 30% B. Roast and cyanide leach -- recovery 60%. The residues of both were assayed by 30 gram fire. The average grade of B was 0.018 OPT and the average grade of A was 0.014 OPT. We would have to say that the roast procedure improved the fire assay of B's residues by inference. **The increase of 28% in total assay (where roasting took place to abate the telluride and sulfide effect) cannot be accidental.**

2. Most literature indicates that tellurides, like selenium can cause problems in the cuppelation of a fire assay. A table from one book indicates that where gold is exceeded in the lead button by Tellurium by five times it may cause losses of anywhere from 25% to 50% by absorption of gold into the cupel. What the telluride causes is a loss of surface tension of the gold-silver bead. Losses of silver are higher than gold. The things that are listed as causing problems with fire assays are sulfur, clay, iron oxide, copper, zinc, arsenic, selenium, tellurium, platinum, and micron gold. Some authoritative texts indicate that where you are going to get sulfur in quanity or the gold is locked in sulfide, then a simple nitre oxidization will not suffice because the gold will increase in solubility into the slag as the volume of the slag increases due to the nitre volatilization. Nitre slags are big and bubbly which is not conducive to lead pick up of the gold. All texts indicate that special reagants and either an iron nail assay, a scorification assay or a roast assay be done to alleviate the problem. Most suggest a cold furnace roast with Tellurium. This means you hold the furnace at 725 degrees F for one hour to boil off the tellurium -- (Tellurium melts at a lower temperature in a slag than free. Free its melting temprature is 449

C or 840 F..) -- before raising it higher and the roasting dish be lined with clay and covered with earth. Not many people do that today.

3. Tellurides cause a loss of gold to the slag by increasing the solubility of gold in normally insolvent slags. Tellurides also cause an increase in gold volatility up flues because the gold is atomic in nature and does not need vapour pressure, only heat to escape the crucible. Also the very fine gold released by tellurium will tend to create colloidal fines in the parting. This causes the gold to be lost when the parting is done and the nitric acid decanted. There is dissolved gold in the nitric acid, and colloidal gold too. This is compounded if too much silver is used in the inquartation. It must be exactly 2.5 to gold. This is very hard to estimate in advance. You would have to repeat every assay twice to be sure.

4. Neither gold nor silica melts at 1850 degrees, the temperature of a furnace fusion. The quartz is only partially slagged by sodium carbonate and lead. It was for this reason that old time assayers used NaOH which did a better job of breaking down quartz. If the quartz is not slagged when the assay is turgid, at low temperatures, then the lead will be too liquid will already have fallen and had no chance to pick up the gold and in combination with silver to have dissolved it. Gold is picked up in sold form by contact, not melted, and then dissolved in lead-silver. For this reason, the silver should be ground up into the lead and mixed intimately as it while it melts it must be in contact with lead when it does so, or it will not find the gold. For this above reason, all gold must be released from its binding quartz when assaying or the assay will be poor. Also for this reason, gold which is in sulfides or arsenic or tellurides must be fluxed thoroughly (oxidized) at low temperatures and then the temperatures brought up slowly to 1850 or some gold will be lost.

We know from (1), the leaching tests, that 40% of the gold is tied up in quartz. Therefore that gold not ground up should recover poorly unless the fluxing is very special and the assaying temperature ramps are done according to computer control. A four hour roast or a NaOH flux and a 3 hour assay are unlikely in most labs. Even a high nitre and flour assay to reduce the lead button to exact size and oxidize the telluride, calculating the silver inquarts to the 1/1000 milligram, is extremely unlikely. To be sure of the method, the cupel and the slag should be re-assayed by AA with careful dissolution in HF nitric and HCL. This is lengthy and labourious process. Perhaps 4 days of cold dissolution and evaporating to dryness twice. And then the assay should step through a 20 step process to get rid of the lead and not lose the gold to colloids. (Getting rid of the lead is necessary as cupellation is too risky and the AA process in aspiration will be well nigh impossible. Lead also interferes with the gold spectrum.) Otherwise you will never know what you lost. Probably just a careful re-assay of both the slag and cupel by fire might give us an idea. It won't be perfect but that is what gold refiners do. Their first losses into slag are 30%. Afterwards they re use their slag. -- First losses into slag are about 1200 ounce to the ton. A primary gold slag contains about 400 ounces of gold in a 1200 ounce pour. Slag is about 800 lbs. By the seventh or eighth's re-use of slag the grade is running about only 50 ounces per ton in the slag. So this business of losses into slag are very well known. It is assumed but not often proven that the superiorly insoluble slags of an assay contain much less gold. Perhaps only 10 to 15% of the assay. However what was not know to assayers of the early 20th century was arsenics and tellurium's amazing property of co-precipitation and co-dissolution. When AA assaying came into vogue it had the propensity of suspending tellurium and arsenic in solution, so certain assays were much higher than fire assay. This was explained away by problems with the spectrum of AA or matrix effects which were demonstrated to exist. Gold is 50 times more soluble in quarts in a melt than it is without

arsenic or tellurium and 20 times more soluble in melts with sulfur. That also explains why the massive sulfide mines in the Abitibi have so much gold. Some 800 tons found to date.

It becomes apparent that we must deal with the arsenic, tellurium or sulfide to be sure of our assay. Never mind finding out how much is lost etc.. just make sure we have a method that gets at the quartz contained gold and also gets rid of the tellurium assuredly. I have two ways of doing this which IPL labs can experiment with as part of their ongoing process which I have started. When we see discrepancy as we have already seen at Polymet, which was startling, (55% increase over Swastika) then we are sure of the process and may proceed.

5. I once spoke to Grignon, the owner of Bell White Labs in Hailybury after observing him back in the 70's do a quick fluxing of some African ores by just pouring a prepared flux into each sample and not mixing at all. I question the seeming slap dash approach and asked him whether it was adequate at a presumed 90% accuracy level. He replied that there was built into fire assaying a quite wide of leeway and that it was close enough for commercial work. I asked him if his buttons, which were supposed to be 30 grams all the time, were coming out that way. He replied that he got anywhere from ten grams to 40 grams but that did not concern him. I further inquired what it would require if he were to do an accurate watch glass or other microscopic examination of the ore, a balling's flux calculation, a test for reductive capacity, crucible attack, and button size as well as optimization of inquartz. It appeared that all this work would be extra somehow. It is apparent that research testing is always more expensive.

6. The AA Assays I had done by IPL and the fire assays, where nothing special was done to reduce the quartz, came out nearly the same average! However some of the high sulfur assays came out higher by AA. But the correlation with sulfur was poorer by AA. What is going one here? The AA cannot have picked up any of the gold in the quartz, but the fire assay should have got at least half of it. The fire assays should be significantly higher but they were not. What is going on? Is the gold leaching by aqua regia out of the quartz in the same way that the gold would be slagged and report to the lead in the fire assay? We cannot be sure that the gold in the quartz sure did NOT leach out by roast and cyanide!! Why it would leach out with one and not the other is strange, Unless the cracks in the quartz were sealed by sulfide..

Regrinding in Order to Get at the Gold in the quartz:

Regrind should be to 400 mesh. About 2 to 5 minutes is a ring and puck grinder. Don't use a Bico Plate Pulveriser. You may have to do a screen test on one sample to be sure what is going on. At first do five samples at 400 mesh by fire, AA and one 3 gram tellurium and one sulfur determination by wet method. The Te was quite low below detection limit on several, so the sample size should be increased. -- > Then we can know if we should grind even further. 400 mesh should be 37 microns. I am guessing that 500 mesh should be closer as particle size as when I looked at the samples in a microscope what I saw was smallish qtz grains at 200 power magnification and maybe 30 micron quartz grains with gold and sulfides inside them. This means the gold could be 500 to 600 mesh or 20 to 10 micron size.. It is hard to get a 500 mesh screen, so use your judgement here. If you take ten grams do a wet Ro-Tap screening of the sample, and it seem that you lose 90% by eye off the first screen, that should be close enough to 'put you in ballpark' that you are between 400 and 500. Knowing your timing should allow you to set your ring and puck to roughly double the time plus a fudge factor to get double the grind. So if it were 2 minutes to get 400 mesh from 200, then to get to

600 from 200 mesh should be 4 minutes. A low size ranges the work does not increase linearly.

Sample size should be 30 grams. There is one split available for that already. The Extra Pulp or 'Add Pulp' as its named, can be split by successive binary splits with a spatula and brush and kraft paper cross-rolling into three 30 grams samples approximately and weighed to exactness, with no further handling, to achieve maximum accuracy. Acceptable weights are from 26 grams to 37 grams. Include sample weight in your results.

Proposal:

We must re-grind the next samples and do both AA AND fire assay by roast to see if there are differences between the methods.

What we should do is a regrind of four 30 gram portions of the 15 'ADD PULP' samples we sent IPL – to 400 mesh or better. One 30 gram sample already exists in plastic bags which was supposed to have been done by AA. This can still be done, but the sample should be reground. The whole job may be done by grinding 100 grams out of each sample ADD PULP sample and then splitting it three or four ways. I am not sure what is best here. The one 30 gram sample still exists, presently bagged, so use your judgement. I wish to do a fifth procedure which will be to do a sink-float and then a regrind and roast assay as well.

These remarks outline the nature of the assays and are to be used as a guide.

1. One 30 gram split will be done by slow roast (pausing for a while at the melting point of tellurium in a slag - 385 deg C) and then a fire assay on the clinker from this roast.

You might line the roasting dish with chalk and then add some borax-silica and coat the charge with fuller's earth when roasting to prevent excess loss of gold when the tellurium vaporizes. Fuller's Earth is a clay. If incorporated in the charge for assay it should be fluxed with borax glass. Adding extra carbonate, some fluorspar, more flour and lesser litharge may flux this sort of charge. i.e. 40 grams Na2C03, 30 grams borax, 45 grams litharge, 4 grams flour, 27 grams silica and 5 grams fluorite may work on such a clay mixed charge. You may wish to avoid the cover as it complicates subsequent fluxing.

2. One 30 gram split will be done by nitre fire assay.

In order to slag the tellurium, one should use excess litharge, possibly more borax glass (5 grams?) and then oxidize the excess litharge with nitre in order not to get too large a lead button. Nitre may cause excess oxidation of the lead, even with the excess litharge, so some flour may have to be used to bring down a suitable sized lead button. A good borax cover will have to be used in order to prevent boil over of the slag in the furnace as with the excess litharge, the charge will be large. Not much nitre need be used as the sulfides are less than 3%. Inquartation could be in the region of .045 mgs silver. (I have seen in the literature where up to 150 grams of litharge are used in Telluride assays.) There are small amounts of tellurium in this sample so those kind of excesses are probably not necessary. 81 grams of litharge would be normal for a monosilicate charge, so 110 grams should be all that is needed. I would imagine that about 2.6 grams of nitre be used to oxidize the pyrite and telluride and an additional 7.2 grams nitre to oxidize the excess lead so no more than a 30 gram button is formed. Probably a little flour may be needed if there is too small a lead button formed. A test

might have to be made. The ore itself may bring down only 5 grams of lead for all 30 grams of ore. If the charge was completely oxidizing then up to 2.5 grams of flour need be used. I have rarely used that much so it is unlikely. With telluride too, borax can be added as a flux for metal oxide. There is no copper that I know of so 5 grams borax would not hurt. I doubt you need more than 10-15 grams of silica added as there should be 8-10 grams of free silica in the sample. This may make the charge slightly subsilicate. 30.5 grams Na2CO3 should be right. Inquarts of silver could be 0.09 grams silver. You may not wish to use nitre and flour in the same assay! It sounds like cross purposes. I am merely including the idea here as I wish to make sure I oxidize the telluride/sulfur but also get a good lead button.

A telluride slagging even for such small amounts of Te as we find here is often higher lirtharge, up to 140 grams, making the charge decidedly subsilicate. Needing to oxidize 1 gram of sulfur and 110 grams of litharge would require 2.6 + 110/4.5= 27 grams of nitre.

You may find that a fast fusion is in order with a subsilicate slag, as the charge would be caustic and there may be lead adherence or crucible attack with a slow heating. I will leave that up to you.

3. One 30 gram split will be done by Atomic Absorption with aqua regia digestion for 1.5 hours for Gold.

One may filter the sample after digestion and extract with MIBK or DIBK.

4. One split of different size will be done by AA for Tellurium.

The last tellurium samples came out near the detection limit or below, so we should increase the normal sample size by three times.

5. Do a methylene iodide sink float on 30 grams of the ore at an SG of 3.2 for the liquid. Do NOT regrind before hand. The idea is to see what sinks before regrind. Take the sink material and regrind it at that point after letting settle a good time and careful filtration. Regrind the sink materal and assay it, normalizing to the weight of the entire charge, sink plus float. (A.) Do a roast assay by fire on the sunk material. (B.) Do a roast assay by fire on the float material after regrind of that as well.

As indicated the roast and nitre fire assays will be by a slow ramp of the furnace temperature where a pause will be done at about 725 degrees farenheit (385 C) for one half hour in order to fume off the tellurium slowly. If you decide that the nitre assay will have too high losses by caustic attack with a slow ramping furnace, then do a fast fusion. If you hold the furnace at 725 F for 1/2 hour and then do a fast ramp for the remainder and then inspect he crucible it might not be too bad.

Here are several suggested methods of assaying for gold in a telluride ore. The first two are older methods suggested by Fulton and Sharwood. A Manual for Fire Assaying - 1929. McGraw Hill. The third which I call my method is very close to a method recommended in the text except for the addition of niter and about 30 grams extra litharge. It may be too high in silica addition. They warn about too fluid an assay.

2. One 30 gram split will be done by nitre fire assay.

Here are two charges recommended by assayers at Cripple Creek, Colorado. Cripple Creek is a noted area of telluride ores of gold and silver.

1. Ore: 1 Assay ton
2. PbO 91. Gms
3. Flour 1.5 grams
4. Borax Glass 17 grams
5. Sodium Carbonate 18 grams
6. Potassium Carbonate 21 grams.
7. 3 gram borax cover.

Furnace Heat 1063 degrees C. 50 minutes

This is not an excess litharge charge really. I would add one more gram of flour to this to get a thirty gram lead button IMHO.

Another charge, this one excess litharge is shown:

1. Ore 1 Assay ton
2. Na2CO3 - 20 grams
3. PbO - 180 grams
4. Borax glass - 10 grams
5. Flour 1.5 grams if needed
6. 3 gram Borax Glass Cover

Slow fusion and max temp of 1000 degrees C.

My preferred method: (This method increased recoveries by 15% of the assays done. The next best assay method was by roast and then by nitre assay. From this it is apparent that the correlation of the gold with sulfides requires a treatment of the sulfides for best assay results.

1. Ore 1 Assay Ton
2. PbO - 100 grams
3. Na2CO3 - 31 grams
4. SiO2 15 grams (Or such amount as will bring the total free silica to the same weight as the charge minuses 3.5 grams silica)
5. Borax Glass 5 grams
6. Potassium Nitrate 9.8 grams
7. or ~ charcoal 1.5-2.5 grams? -- depending on test
8. Inquartation 0.15 mgs silver foil, finely divided
9. 5 gram lead metal or litharge cover on charge
10. Borax glass cover 3 grams

Fuse at 1000 degrees C after holding at 385 degrees C for 30 minutes. Ramp slowly past 700 degrees C to 1000. Total 2 hours.

If a reducing agent is needed, charcoal acts a higher temperature than flour, so is more desirable in this assay.

If too caustic, then hold at 385 C for 15 minutes and ramp quickly to 1000. Hold for 15 minutes and pour.

One could add one gram of pure iron to the charge and reduce the lead by 10 grams and the nitre by 1 gram. This would boost the formation of iron telluride which is the main post-roast compound in high telluride ores. This method is called the iron-nitre method.

I received a preliminary report on the assays including the 30 gram and 60 gram fire assays.

It appears they are nothing to write home about. Only one out of 15 was half decent i.e. Near the target average we had set out of one gram per tonne.

0.014 OPT was the average with the highest at 0.027 OPT. In my assaying of the same tailings in 2003 I did not get many assays as low as 0.015 OPT.

The 30 gram and 60 gram assays were practically identical.

However a 1% sample cut is not statistically significant.

http://www.berrie.dds.nl/calcss.htm

If you want less than a 5% error, then you need 309 samples. If you are happy with ten per cent error then you need about 100 samples.

With a 1% sample size you get 25% error, 50% of the time.

What the above means is that if we did the sampling again with a population of 15 samples we could get 0.021 OPT by chance – or, whatever we did get as an average could be that far away from the true average. (+/-0.007 OPT) A question to ask to show the possible variance is, "how many 15 group samples are there in the mix?" The answer is 7.16 times 10 ^47. Amazingly 34 % of the groups are "way out of whack". (more than one standard deviation from the true mean) (This is by the staistical law of the Normal Distribution or the Bell Curve) So it is "one in three" you will get an average assay that is too low or much too high. By this we mean up to 2 standard deviations lower or higher. I would say the standard deviation of one sample group I saw in Kirkland Lake tailings was about 0.007. This was in a group of assay ranging from 0.012 to 0.044 OPT. Mid way or the mean was probably 0.028 OPT and 65% were between 0.021 and 0.035. So we pulled I think, 0.014 by "accident", if we consider the whole tailings pond. If I did not have my averages from my initial sampling of the Sylanvanite to guide me, and the Toburn Tailings Results by Eastmaque I would not know the extent of the expected variability.

So you shouldn't worry about the low assays obtained a small random group of only 15 samples. If get low assays in 100 samples by cross sectioning the deposit, then we have

reason to head-scratch. But that is only a problem if we agree that we cannot make money by any means at that grade. Until we try to get the sulfides and gold out by a Falcon, I don't think we should throw away the project with the assay bathwater. After the assays I vote that gravity should be our next trial. And we should do our own testing as it is much more economical when optimization of recovery is attempted.

Another way of looking at it is, what are the chances that the first 25 samples in the door from a particular area of the tailings pond will be representative.? If you cover 10,000 square feet of a million square feet available, and then you only take a sample of a hole here and there, are you likely to be accurate? The sample are represents only 2% of the area and part of the depth cross section. I think it is fairer to cover the area randomly or systematically and cross section all the way from top to bottom. Then you have a right to complain if the results are not what you want, especially if you sample and split accurately and cross-compare splits of samples with different labs.

What I say we should do to obtain representativeness is perhaps 250 assays. We should split and send to three labs. 30 grams. Overlapping. Then we should do Falcon test to determine if the samples yield to cheap processing, as we don't know that even 0.02 OPT or 18 dollar material cannot be recovered profitably. We can send our heads out, but we would have to send our tails out as specials. We have to find a way to turn around the head and tail and con quickly. I think we can get a routine going. It may not be that expensive to do it in house either.

In other words, given lower grades than we anticipated, we can skew the testing so that it i is cheaper and do the testing stroke by stroke, while not giving up any needed sharpness in determination.

****

A strange thing appeared when I compared the fire assays to the sulfur by Leco analyser. Of 15 samples only 5 did not correlate well with the sulfides. In other words, the higher the assay, generally the higher the sulfides.

Two samples were the inverse of above, i.e. higher gold equaled lower sulfides.

Putting the picture together with the leach tests it is obvious that some samples have a lot of free gold, while some have mostly gold in sulfides, and some have both.

A rule of thumb is that the more sulfides, the more chance you have a higher assay.

Some samples I noted were brown colour, indicating oxidization and some were grey. Perhaps the brown ones are a key to higher sulfides. We are talking 0.5 to 1.5% sulfides or tellurides.

It appears obvious to me that we are going to have to sample about 15 holes right to the bottom and do 30 gram fire assay splits, or AA assays on them, as a statistical stab at what kind of assays we really have. I have no idea why my assays this time should be that much lower than the assays I had done 4 years ago.

It appears also that the leach tests showed something strange. The combined roast and leach assays with residual assay were alway less total assay than the straight leach + residual assay by a factor of 20%. But often by roasting you got 50 to100% more gold into the solution! Why should this be? It could be because his leaching was at fault. In other words when you have more gold in the residue to fire assay, the tests were more accurate. The other possibility is that there were telluride or roasting losses by volatility. 20% is possible.

Another possible explanation of the conundrum above is that procedure the assayer followed, by AA of the cyanide leaching solution, may be inaccurate. That is, when you have more gold to assay, it shows the error more. I think this may be case as I am fairly sure he did not extract the gold with MIBK from the cyanide solution. He does not appear to be familiar with this technique. I thought it was widely accepted for the past 20 years, but there are holdouts.

Author's Certification

This is to certify that I, Eric Charters am the author of this report and am a member of OACETT since 1978.

OACETT is the Ontario Association of Certified Engineering Technicians and Technologists.

I am a graduate of Haileybury School of Mines in 1978 in Mining Technology.

I have attended Laurentian University, University of Toronto, and Lakehead University where I took courses in psychology, geological engineering, geology and computer science.

I have worked in my profession as a mining technician, surveyor, assayer, computer programmer for the past 28 years.

For the most part I have worked for mining and exploration companies in various capacities throughout my career.

This report was prepared according to professional standards which I have become familiar with in my work.

E. Charters *HSM 1978*

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-01 (-90°)
87753
87754
87755
87756
87757
87758
28'

BH08-02 (-90°)
87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403
(Slurry from hole) 87772 0.225
28'

BH08-03 (-90°)
87556
87557
87558
87559
87560
87561
87562
87563
87564
36'

BH08-04 (-90°)
87551
87552
87553
87554
87555
20'

BH08-05 (-90°)
87514
87515
87516
87517
87518
20'

BH08-06 (-90°)
87508
87509
87510
87511
16'

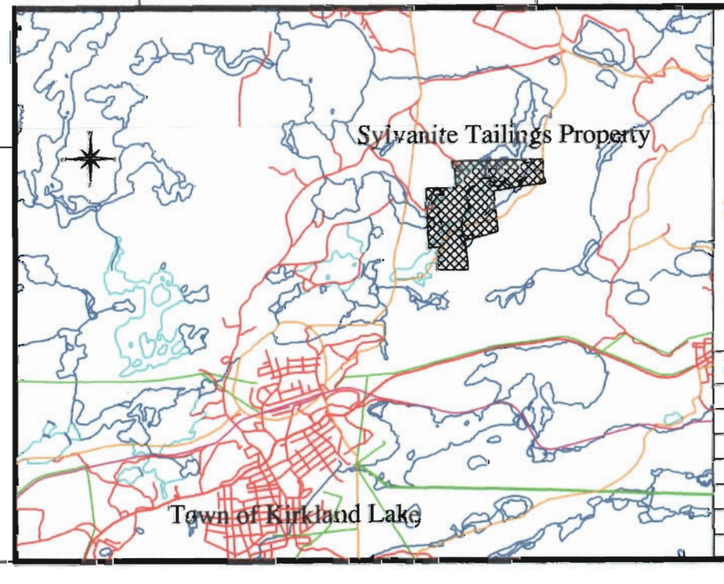
BH08-07 (-90°)
87512
87513
8'

-50 metres

-50 metres

-100 metres

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 0+00

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

BH08-08
(-90°)

87580
87581
87582
87583
87584
87585
87586
87587
32'

BH08-09
(-90°)

87588
87589
87590
87591
87592
87593
87594
87595
87596
87597
40'

BH08-10
(-90°)

87501
87502
87503
87504
87505
87506
87507
28'

0 (Datum)

-50 metres

-50 metres

-100 metres

Base Line 0+00

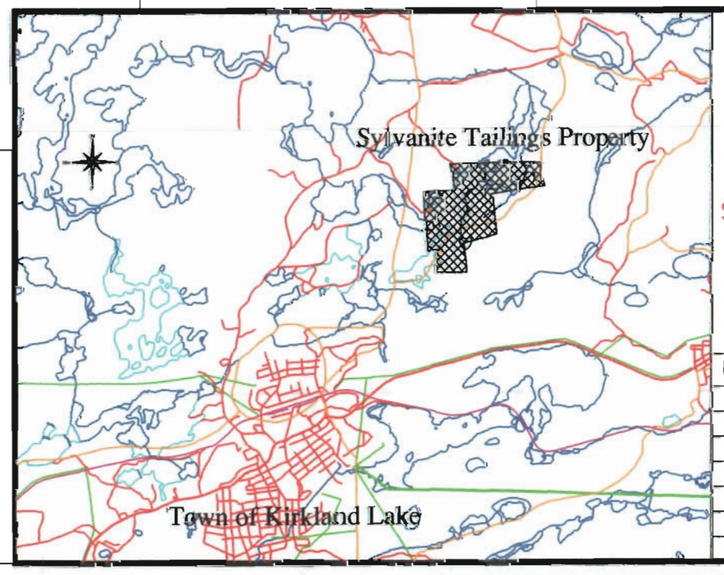
0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number

87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 0+30E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50 mN | 1+00 mN | 0+50 mN | BL 0+00 | 0+50 mS | 1+00 mS

0 (Datum)

BH08-11 (-90°)
87531
87532
87533
87534
87535
20'

BH08-12 (-90°)
87525
87526
87527
87528
87529
87530
20'

BH08-13 (-90°)
87519
87520
87521
87522
87523
20'

0 (Datum)

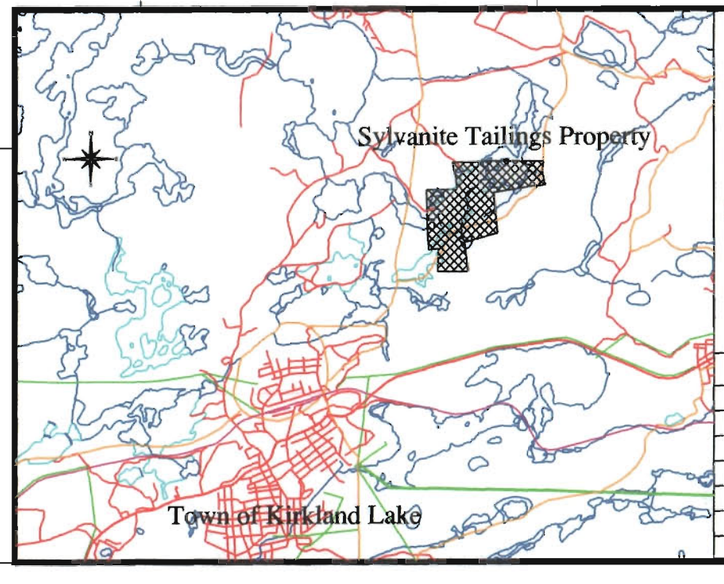
-50 metres

-50 metres

1+00 mN | 0+50 mN | BL 0+00 | 0+50 mS | 1+00 mS

-100 metres

1+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 0+60E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

BH08-14
(-90°)
96976
96977
96978
96979
96980
96981
24'

BH08-15
(-90°)
96982
96983
96984
96985
96986
96987
24'

0 (Datum)

-50 metres

-50 metres

0+50 mS

1+00 mS

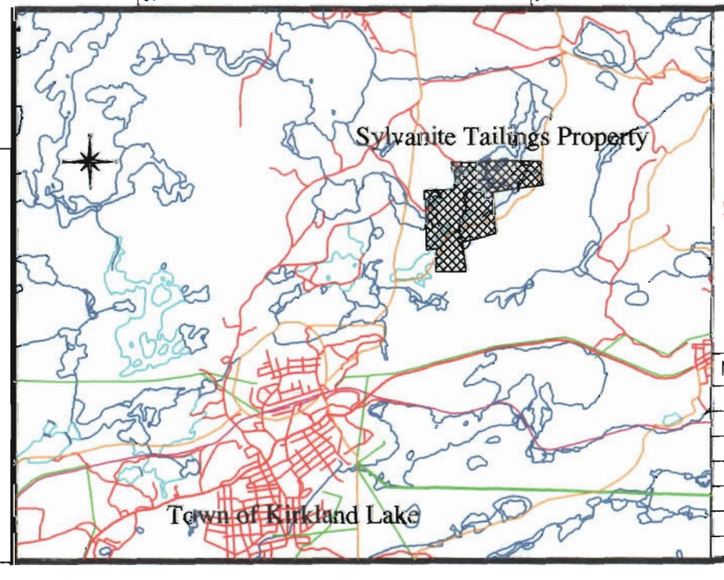
1+50 mS

2+00 mS

2+50 mS

-100 metres

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 0+60E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

0 (Datum)

BH08-16
(-90°)
87529
87530
8'

BH08-17
(-90°)
97970 0.605
97971 0.682
97972 0.356
97973 0.463
16'

BH08-18
(-90°)
97965
97966
97967
97968
97969
20'

0 (Datum)

-50 metres

-50 metres

-100 metres

1+50 mN

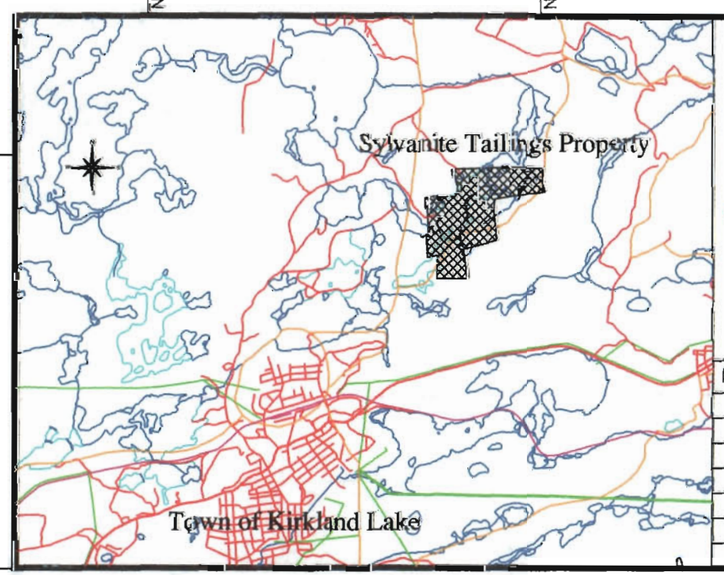
1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- 540m — Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 0+90E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-19 (-90°)

97959|0.725
97960|0.754
97961|0.679
97962|0.490
97963|0.326
97964|0.458
24'

BH08-20 (-90°)

97951|
97952|
97953|
97954|
97955|
97956|
97957|
97958|
32'

BH08-21 (-90°)

97851|0.857
97852|0.836
97853|missing
97854|0.823
97855|0.852
97856|0.537
24'

BH08-22 (-90°)

97857|
97858|
97859|
97860|
97861|
97862|
97863|
97864|
97865|
97866|
97867|
44'

BH08-23 (-90°)

97868|0.922
97870|0.561
97871|0.387
97872|0.406
97873|0.497
97874|0.312
24'

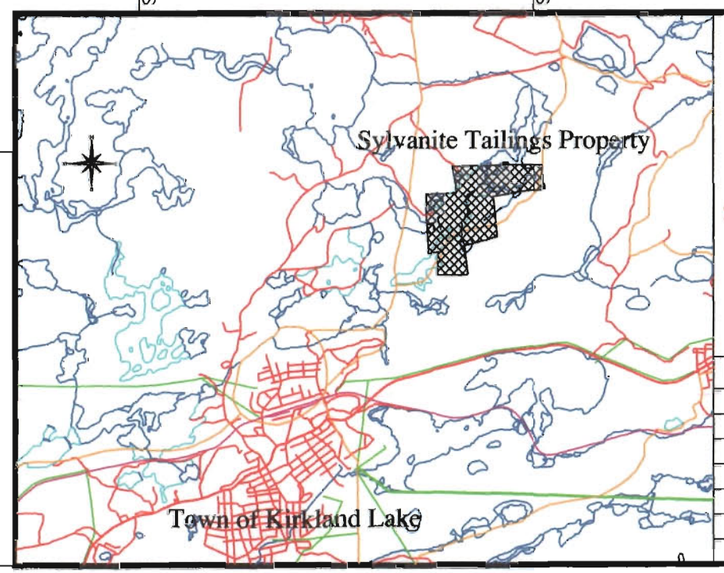
BH08-24 (-90°)

97875|
97876|
97877|
97878|
97879|
24'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number

87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 0+90E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

0 (Datum)

0 (Datum)

BH08-25
(-90°)
97601[illegible]
97602[illegible]
97603[illegible]
12'

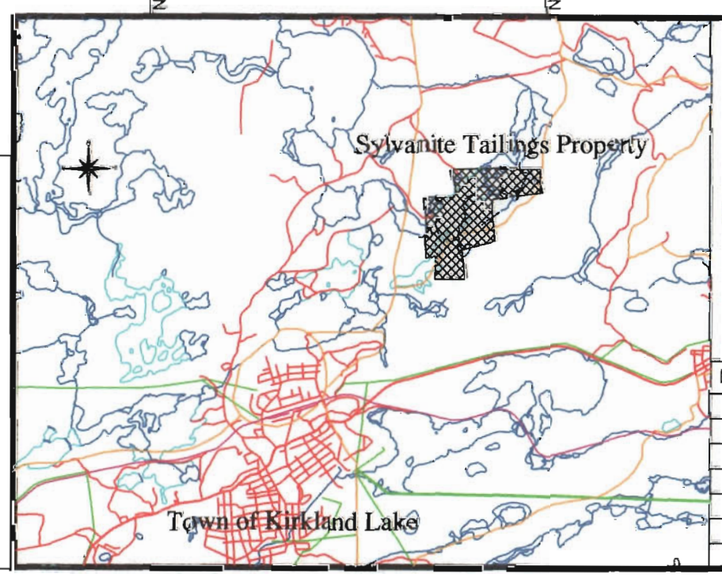
BH08-26
(-90°)
97887[illegible]0.525
97888[illegible]0.243
97889[illegible]0.442
97900[illegible]missing
16'

BH08-27
(-90°)
97891[illegible]
97892[illegible]
97893[illegible]
97894[illegible]
97895[illegible]
97896[illegible]
24'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

87765 | 0.500
87766 | 0.837
87767 | 0.396 — Assay (grams/tonne)
87768 | 0.684
87769 | 0.751
87770 | 0.756
87771 | 0.403

Sample Number

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 1+20E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-28 (-90°)

97885 missing
97886 0.983
97887 0.583
97888 0.422
97889 0.382
97890 0.507

24'

BH08-29 (-90°)

70575
70576
70577
70578
70579
70580
70581
70582
70583
70584

40'

BH08-30 (-90°)

70565
70567
70568
70569
70570
70571
70572
70573
70574

36'

BH08-31 (-90°)

70558
70559
70560
70561
70562
70563
70564
70565

32'

BH08-32 (-90°)

70551 0.970
70552 0.591
70553 0.524
70554 0.756
70555 0.578
70556 0.499
70557 0.659

28'

BH08-33 (-90°)

97880
97881
97882
97883
97884

16'

-50 metres

-50 metres

-100 metres

0+50 mS

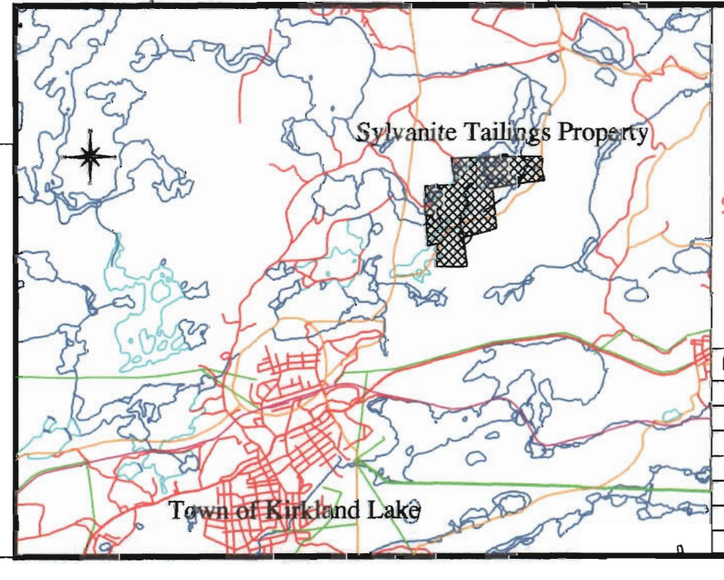
1+00 mS

1+50 mS

2+00 mS

2+50 mS

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 1+20E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

2+50 mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

135°

0 (Datum)

BH08-34
(-90°)
97604
97605
97606
97607
16'

BH08-35
(-90°)
97608
97609
97610
97611
24'

0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN

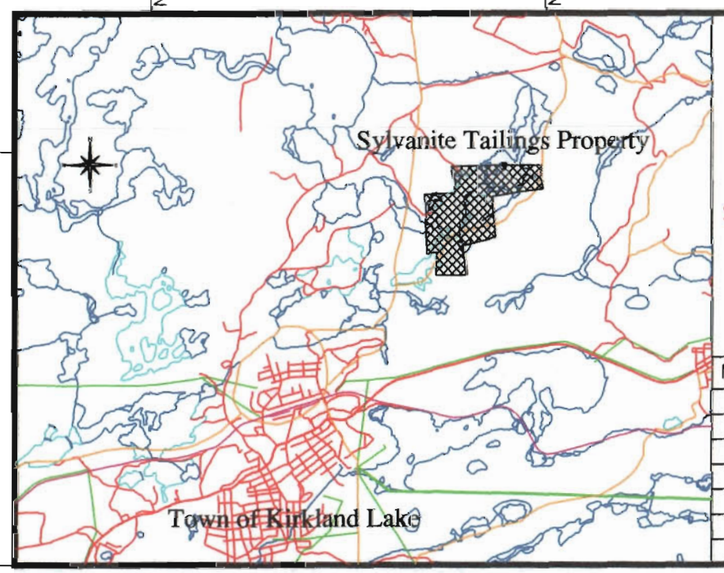
2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 1+50E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-36 (-90°)

97974
97975
97976
97977
97978
97979
97980

28'

BH08-37 (-90°)

97981 0.727
97982 0.813
97983 0.439
97984 0.358
97985 0.779
97986 0.139
97987 0.085
97988 missing
97989 missing

32'

BH08-38 (-90°)

97614
97615
97616
97617
97618
97619
97620
97621
97622

36'

BH08-39 (-90°)

97623
97624
97625
97626
97627

28'

BH08-40 (-90°)

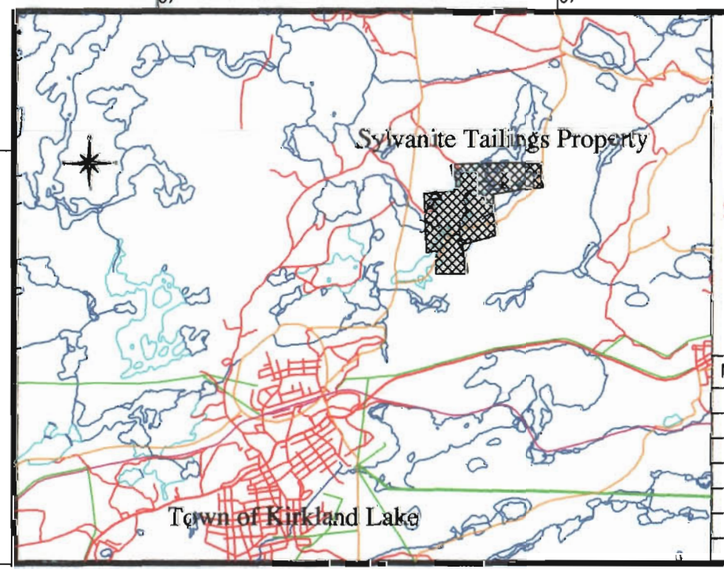
97628 0.326
97629 0.453
97630 0.396
97631 0.641
97632 0.324
97633 0.157
97634 0.499

28'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 1+50E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

BH08-42
(-90°)
0 (Datum)

97817 0.430
97818 0.538
97819 0.424
97820 0.343
97821 0.401
97822 0.245
24'

BH08-43
(-90°)

97810 0.352
97811 0.858
97812 0.949
97813 0.394
97814 0.312
97815 0.310
97816 0.303
28'

BH08-44
(-90°)

97803
97804
97805
97806
97807
97808
97809
28'

BH08-45
(-90°)

97801
97802
8'

BH08-46
(-90°)

97989 missing
97990 0.492
97991 0.524
97992 0.595
97993 0.377
97994 0.446
97995 0.395
28'

BH08-47
(-90°)

97641
97642
97643
97644
97645
97646
97647
97648
32'

0 (Datum)

-50 metres

-50 metres

Base Line 0+00

0+50 mS

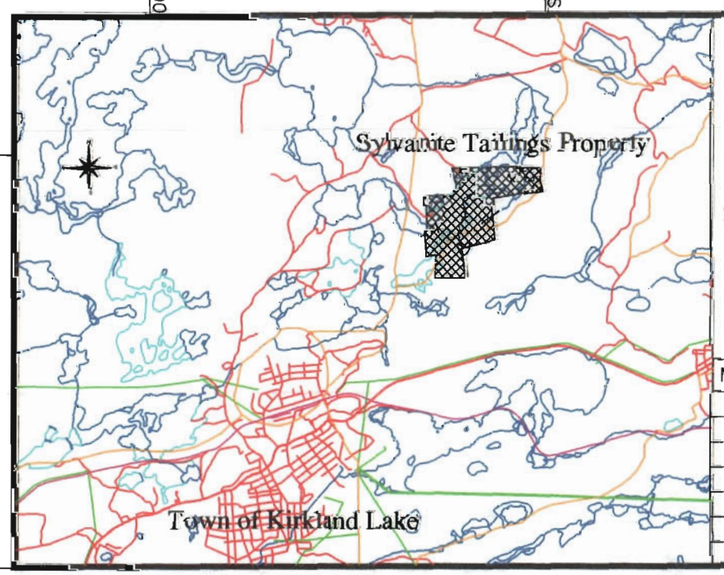
1+00 mS

1+50 mS

2+00 mS

-100 metres

0+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 1+80E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0 (Datum)

BH08-48
(-90°)
97823
97824
97825
97826
16'

BH08-49
(-90°)
70595
70596
70597
70598
70599
70590
24'

BH08-50
(-90°)
70591
70592
70593
70594
70595
70596
24'

BH08-51
(-90°)
97825
97827
97828 0.403
97999
16'

0 (Datum)

-50 metres

-50 metres

2+00 mN

1+50 mN

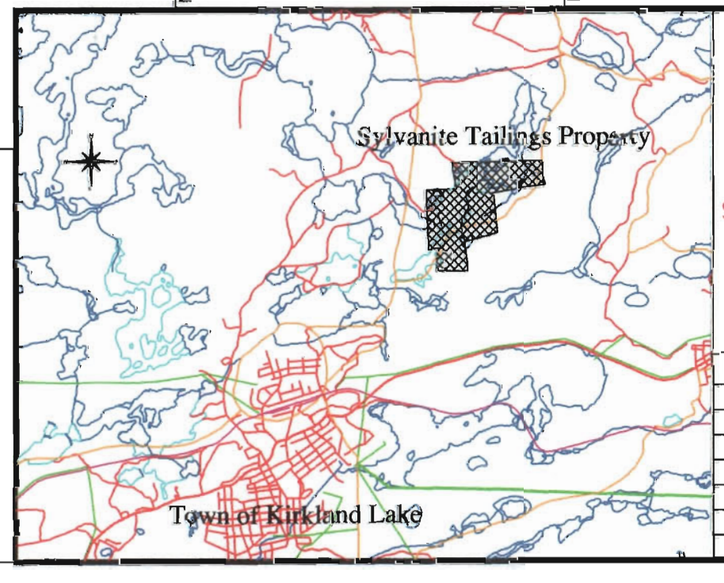
1+00 mN

0+50 mN

Base Line 0+00

-100 metres

2+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 2+10E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Metres	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-51
(-90°)
87886
87887
87888 0.403
87889
16'

BH08-52
(-90°)
70501
70502
8'

BH08-53
(-90°)
70503
70504
70505
12'

BH08-54
(-90°)
70506
70507
70508
70509
70510
70511
70512
70513
32'

BH08-55
(-90°)
70514 0.211
70515 0.909
70516 0.492
70517 0.456
70518 1.006
70519 0.288
24'

-50 metres

-50 metres

-100 metres

Base Line 0+00

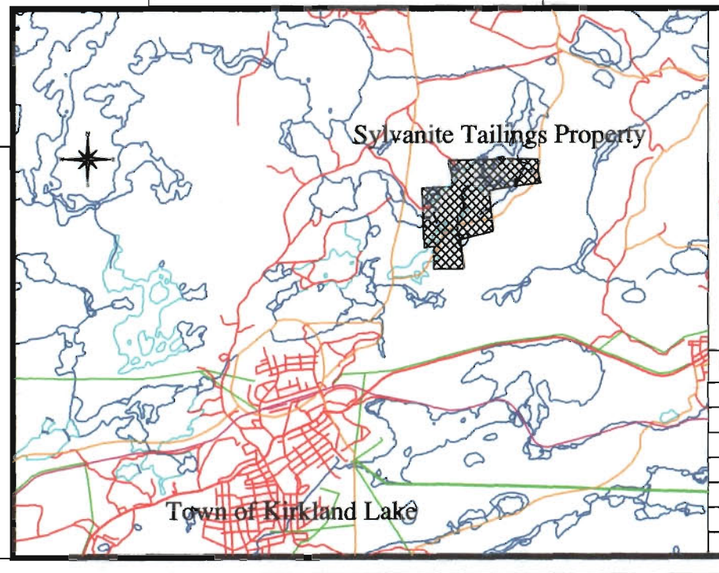
0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 2+10E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

135°

0 (Datum)

BH08-56
(-90°)
97916|0.411
97917|0.444
97918|0.439
97919|0.361
97920|0.437
20'

BH08-57
(-90°)
97910
97911
97912
97913
97914
97915
24'

BH08-58
(-90°)
97904|0.561
97905|0.461
97906|0.346
97907|0.524
97908|0.353
97909|0.578
24'

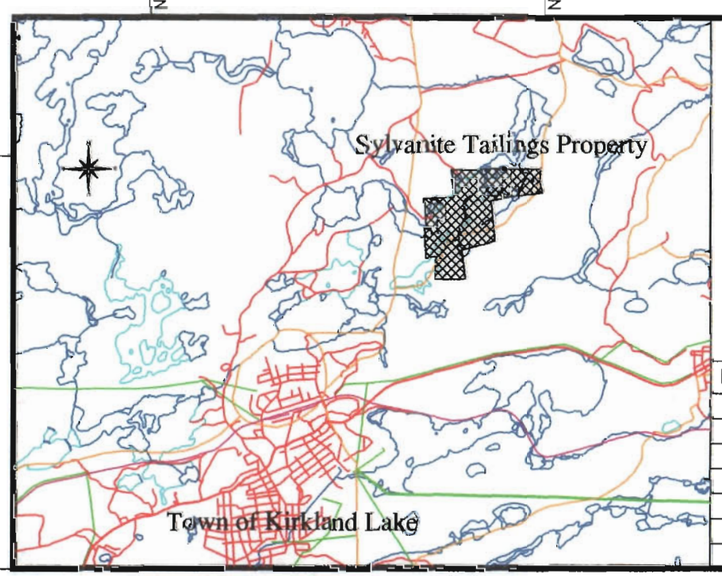
0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle
87765|0.500
87766|0.837
87767|0.396
87768|0.684
87769|0.751
87770|0.756
87771|0.403
Sample Number — Assay (grams/tonne)
28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 2+40E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Metres	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-59
(-90°)
97850
97901
97902
97903
16'

BH08-60
(-90°)
97842 0.749
97843 0.532
97844 0.474
97845 0.447
97846 0.417
97847 0.360
97848 0.300
97849 missing
32'

BH08-61
(-90°)
97834
97835
97836
97837
97838
97839
97840
97841
32'

BH08-62
(-90°)
97827 0.377
97828 0.460
97829 0.399
97830 0.482
97831 0.420
97832 0.321
97833 0.423
28'

-50 metres

-50 metres

-100 metres

Base Line 0+00

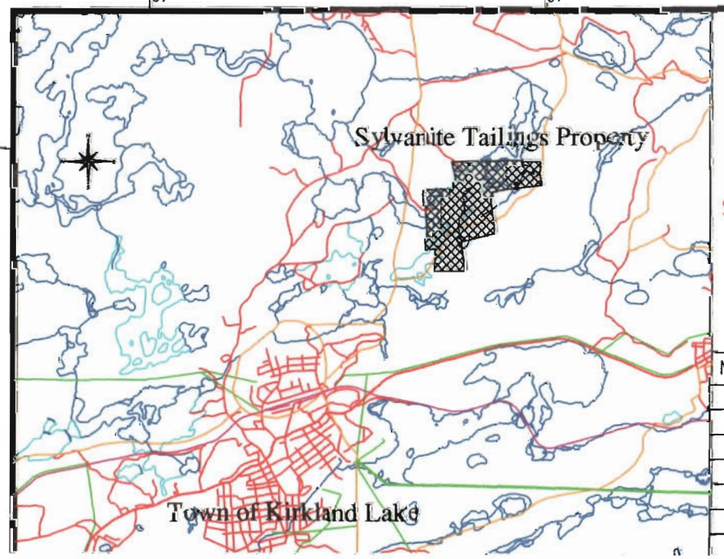
0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle
87765 0.500
87766 0.837
87767 0.396 — Sample Number / Assay (grams/tonne)
87768 0.684
87769 0.751
87770 0.756
87771 0.403
28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 2+40E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0 (Datum)

BH08-63 (-90°)
70597[ ]
70598[ ]
70599[ ]
12'

BH08-64 (-90°)
87536[ ]
87537[ ]
87538[ ]
12'

BH08-65 (-90°)
87539[ ]
87540[ ]
87541[ ]
87542[ ]
87543[ ]
20'

BH08-66 (-90°)
87544[ ]0.343
87545[ ]0.382
87546[ ]0.295
87547[ ]0.417
87548[ ]0.465
20'

BH08-67 (-90°)
70520[ ]0.588
70521[ ]
70522[ ]
70523[ ]
70524[ ]
70525[ ]
70526[ ]
70527[ ]
32'

0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN

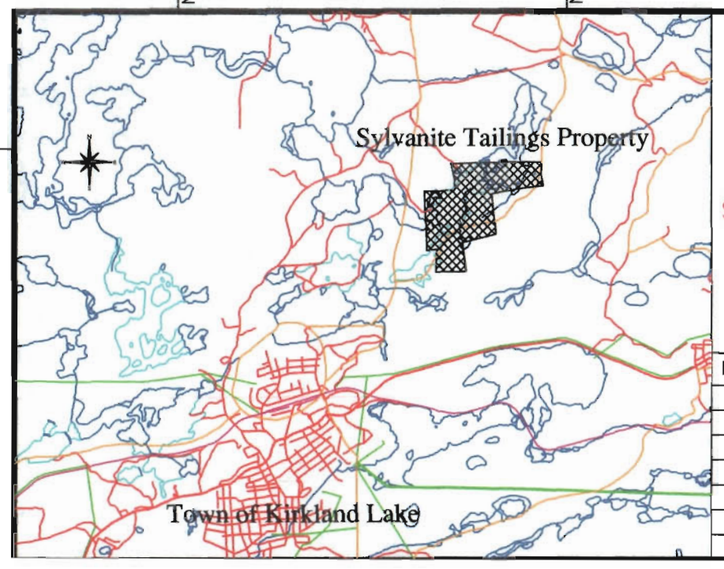
2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle
Sample Number — 87765 0.500 / 87766 0.837 / 87767 0.396 / 87768 0.684 / 87769 0.751 / 87770 0.756 / 87771 0.403 — Assay (grams/tonne)
28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 2+70E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-67
(-90°)
70520 0.588
70521
70522
70523
70524
70525
70526
70527
32'

BH08-68
(-90°)
97921
97922
97923
97924
97925
97926
97927
97928
32'

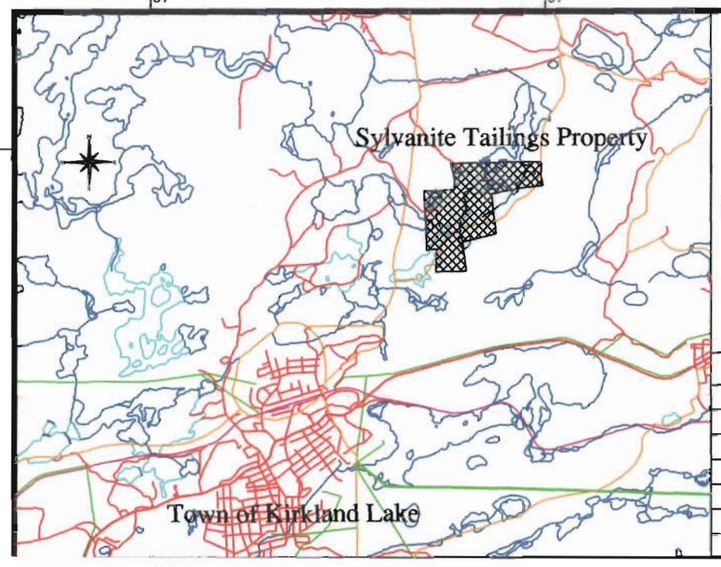
BH08-69
(-90°)
97929 0.607
97930 1.042
97931 0.454
97932 0.370
97933 0.408
20'

BH08-70
(-90°)
97934
97935
97936
97937
20'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle
87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403
Sample Number — Assay (grams/tonne)
28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 2+70E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

← 315°

2+50mN | 2+00 mN | 1+50 mN | 1+00 mN | 0+50 mN | Base Line 0+00

135° →

0 (Datum)

BH08-71 (-90°)
70548
70549
70550
12'

BH08-72 (-90°)
70543
70544
70545
70546
70547
20'

BH08-73 (-90°)
70535 0.049
70537 0.574
70538 0.545
70539 0.520
70540 0.566
70541 0.411
70542 0.441
28'

0 (Datum)

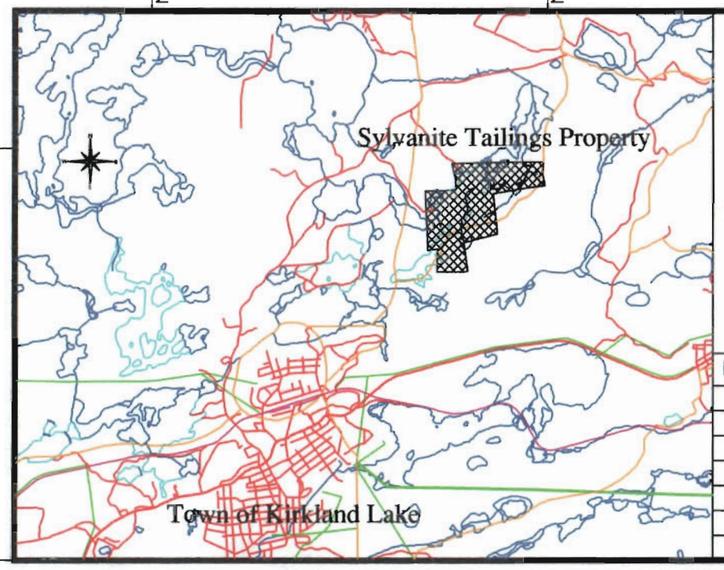
-50 metres

-50 metres

2+00 mN | 1+50 mN | 1+00 mN | 0+50 mN | Base Line 0+00

-100 metres

2+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 3+00E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

135°

0 (Datum)

BH08-74
(-90°)
70528
70529
70530
70531
70532
70533
70534
70535
32'

BH08-74A
(-90°)
97500
97501
97502
97503
97504
97505
97506
28'

BH08-75
(-90°)
97495
97496
97497
97498
97499
20'

BH08-76
(-90°)
97938
97939
97940
97941
97942
97943
97944
28'

0 (Datum)

-50 metres

-50 metres

-100 metres

Base Line 0+00

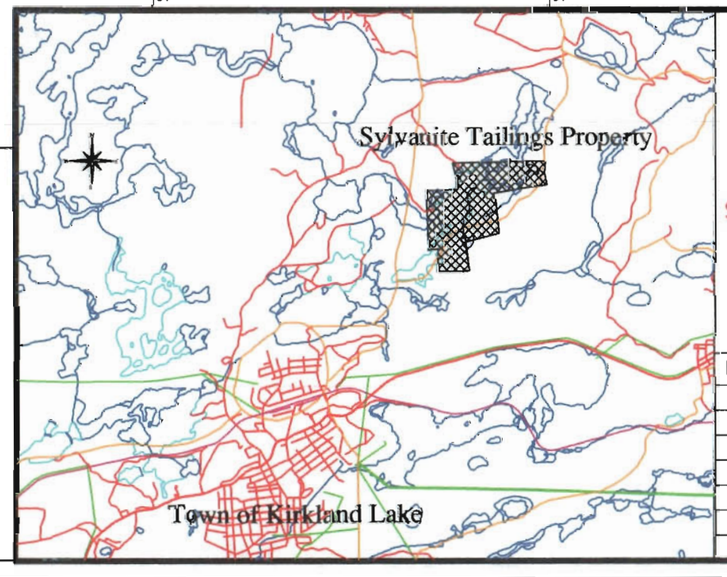
0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number

87765 0.500
87766 0.837
87767 0.396
87768 0.684 — Assay (grams/tonne)
87769 0.751
87770 0.756
87771 0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 3+00E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0 (Datum)

BH08-77
(-90°)
16'

BH08-78
(-90°)
20'

BH08-79
(-90°)
24'

0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN

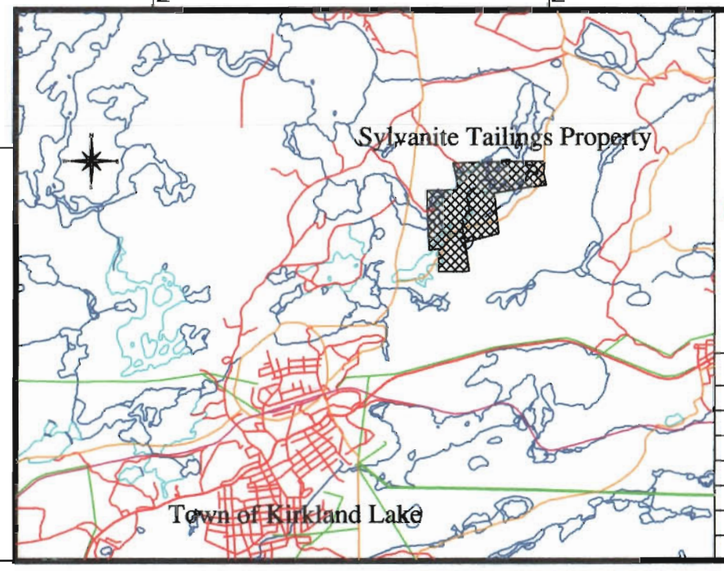
2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 3+30E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-79
(-90°)
97625
97627
97628
97629
97630
97631
24'

BH08-80
(-90°)
70601
70602
70603
70604
70605
70606
70607
70608
70609
70610
40'

BH08-81
(-90°)
53101 0.408
53102 0.758
53103 0.607
53104 0.555
53105 0.470
53106 0.458
53107 0.542
28'

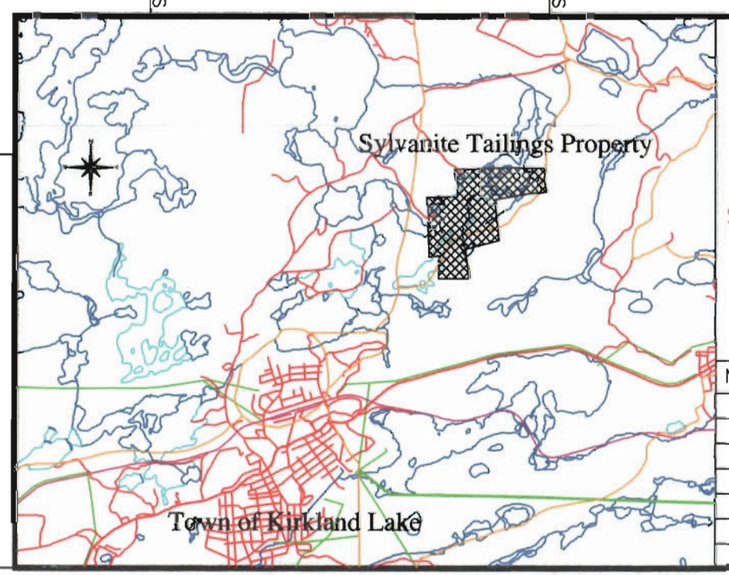
BH08-82A
(-90°)
70611
4'

BH08-82B
(-90°)
70612
4'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 3+30E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

Base Line 0+00

315°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

135°

0 (Datum)

BH08-83A (-90°)
70613 0.615
70614 0.616
8' 70617
70618
16'

BH08-83B (-90°)

BH08-84 (-90°)
70619
70620
70621
12'

BH08-85 (-90°)
97751 0.382
97752 0.638
97753 0.471
97754 0.317
97755 0.314
97756 0.583
97757 0.250
97758 0.289
97759 0.459
32'

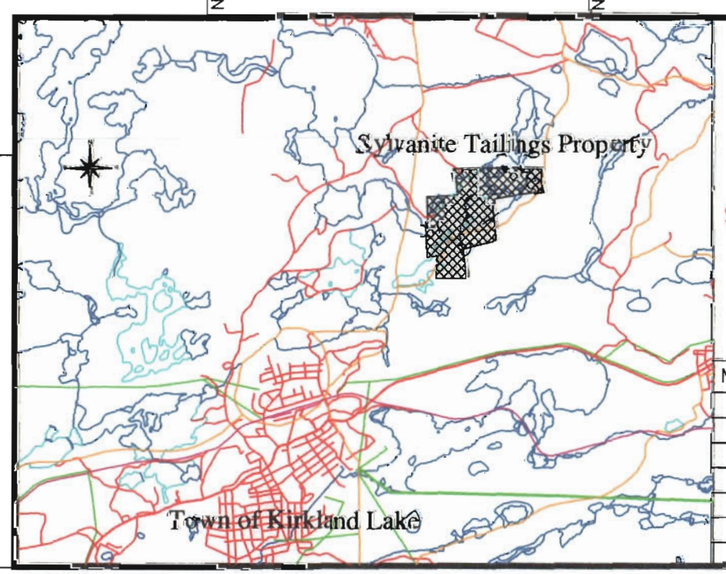
0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 3+60E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

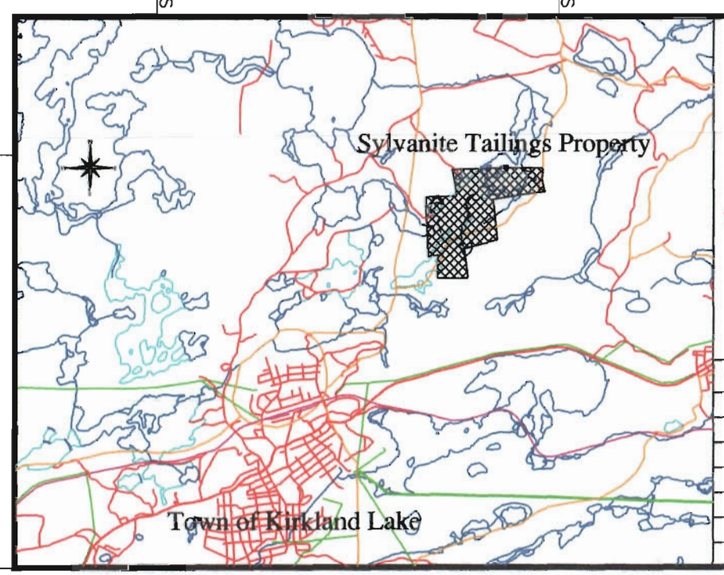
BH08-86
(-90°)
87788 0.819
87789 0.836
87790 0.868
87791 0.545
87792 0.437
87793 0.331
87794 0.331
24'

BH08-87
(-90°)
53108 0.819
53109 0.836
53110 0.868
53111 0.545
53112 0.437
53113 0.331
24'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 3+60E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

0 (Datum)

BH08-88 (-90°)

BH08-89 (-90°)

BH08-90 (-90°)

BH08-91 (-90°)

24'

20'

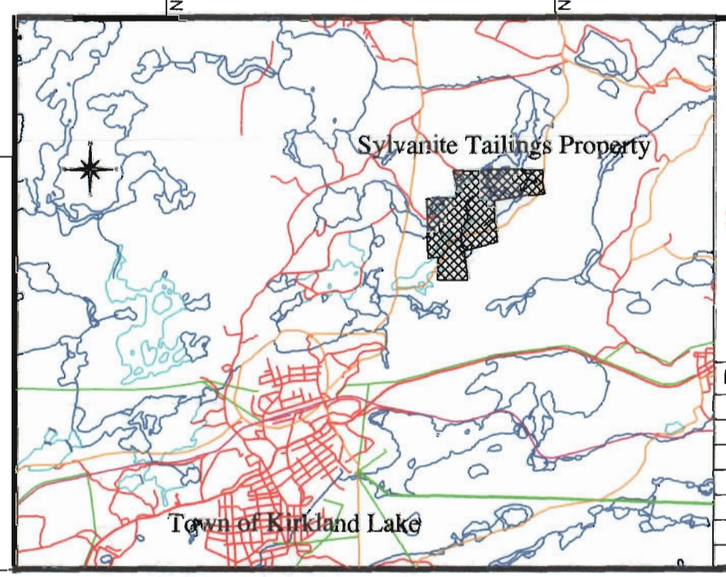
20'

20'

-50 metres

-100 metres

1+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 3+90E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

0 (Datum)

0 (Datum)

BH08-92
(-90°)
[illegible]
16'

BH08-93
(-90°)
[illegible]
28'

BH08-94
(-90°)
[illegible]
12'

BH08-95
(-90°)
[illegible]
12'

-50 metres

-50 metres

1+00 mN

0+50 mN

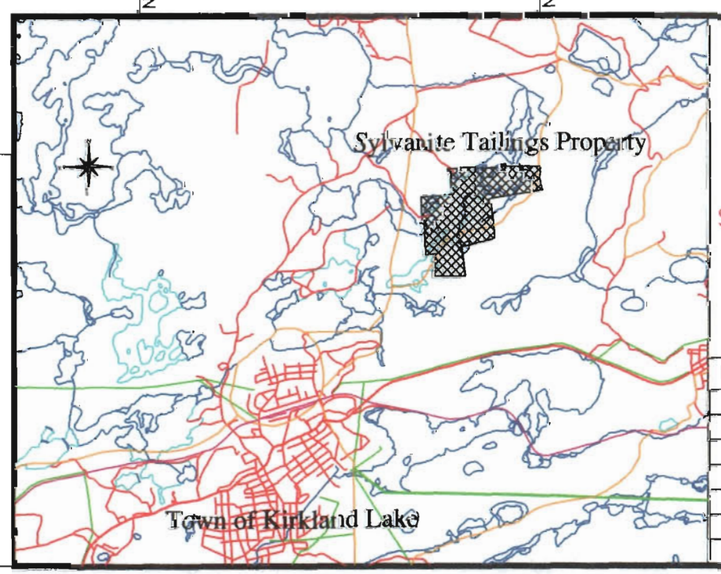
Base Line 0+00

0+50 mS

1+00 mS

-100 metres

1+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 4+20E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Metres	

315°

135°

2+00mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

0 (Datum)

BH08-96 (-90°)

87144 0.445
87145 0.503
87146 0.476
87147 0.445
87148 0.476
87149 0.445

24'

BH08-97 (-90°)

87140 0.503
87141 0.503
87142 0.503
87143 0.503

16'

BH08-98 (-90°)

87135 0.503
87136 0.503
87137 0.503
87138 0.503

20'

BH08-99 (-90°)

48579 0.503
48580 0.503
48581 0.503
48582 0.503
48583 0.503
48584 0.503

24'

0 (Datum)

-50 metres

-50 metres

1+50 mN

1+00 mN

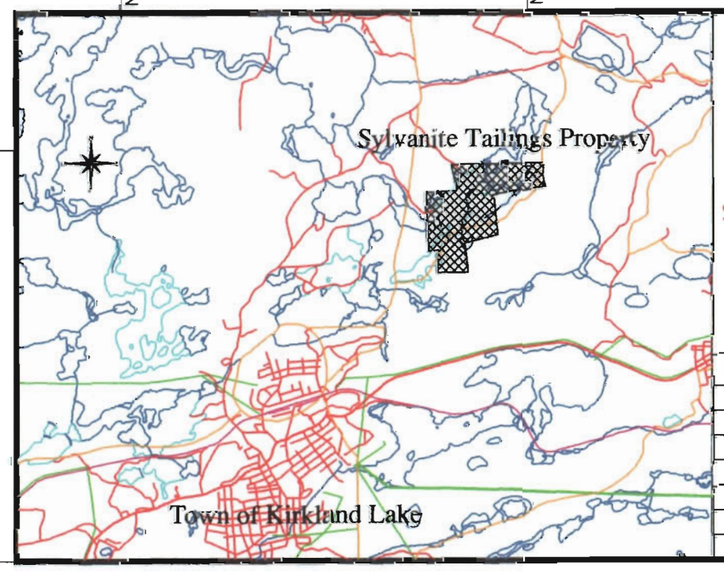
0+50 mN

Base Line 0+00

0+50 mS

-100 metres

2+00 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 4+50E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Metres 25 50	

315°

135°

1+50mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

0 (Datum)

BH08-100
(-90°)
97682
97683
97684
97685
16'

BH08-101
(-90°)
97686
97687
97688
97689
16'

BH08-102
(-90°)
97670
97671
97672
97673
97674
20'

0 (Datum)

-50 metres

-50 metres

1+00 mN

0+50 mN

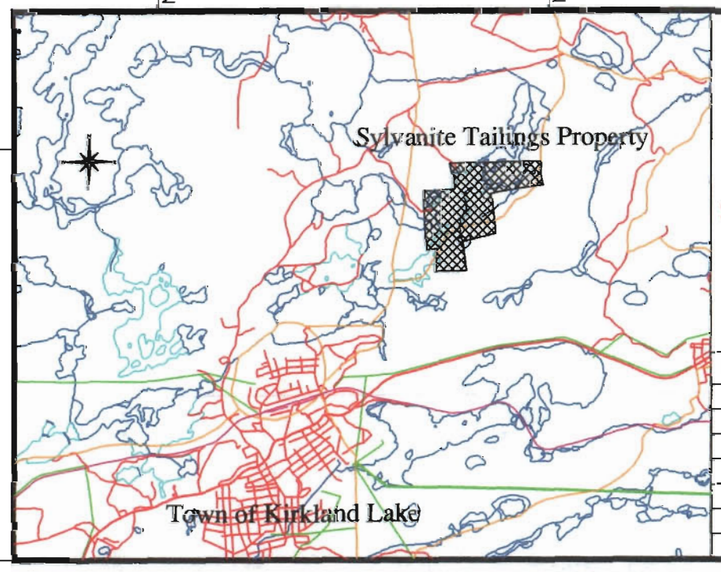
Base Line 0+00

0+50 mS

1+00 mS

-100 metres

1+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 4+80E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50mN | 1+00 mN | 0+50 mN | Base Line 0+00 | 0+50 mS | 1+00 mS

0 (Datum)

BH08-103 (-90°)
70622
70623
70624
12'

BH08-104 (-90°)
97772
97773
97774
97775
20'

BH08-105 (-90°)
97768
97769
97770
97771
20'

BH08-106 (-90°)
97765
97766
97767
12'

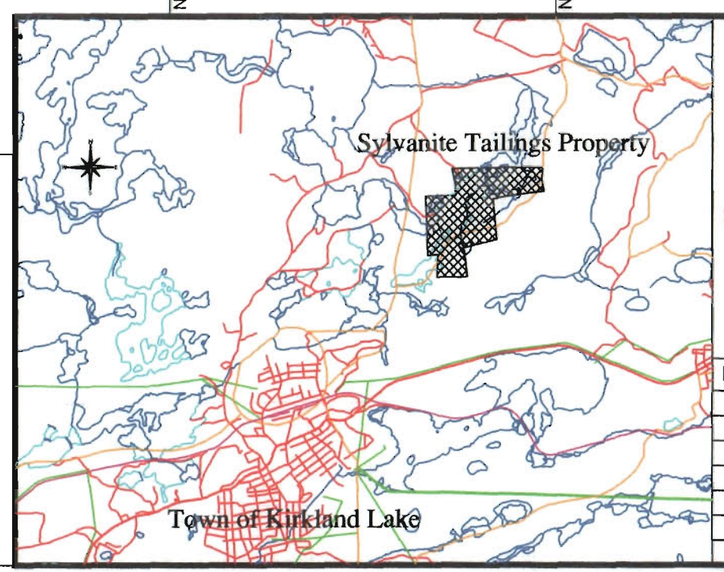
0 (Datum)

-50 metres

-50 metres

-100 metres

1+50 mN | 1+00 mN | 0+50 mN | Base Line 0+00 | 0+50 mS | 1+00 mS



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

Sample Number — Assay (grams/tonne)

28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 5+10E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50mN

1+00 mN

0+50 mN

Base Line 0+00

0+50 mS

1+00 mS

BH08-107 (-90°)
070625
070626
070627
12'

0 (Datum)

BH08-108 (-90°)
97701
97702
97703
97704
97705
20'

BH08-109 (-90°)
97706
97707
97708
97709
16'

BH08-110 (-90°)
70628
70629
70630
70631
16'

BH08-111 (-90°)
70632
70633
70634
70635
70636
70637
70638
70639
70640
36'

BH08-112 (-90°)
70641
70642
70643
70644
16'

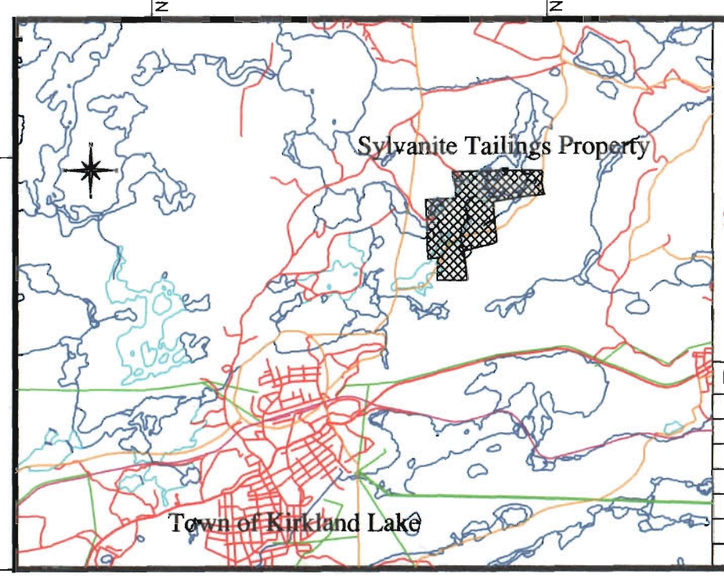
0 (Datum)

-50 metres

-50 metres

-100 metres

1+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle
Sample Number — Assay (grams/tonne)

87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 5+40E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

1+50mN | 1+00 mN | 0+50 mN | Base Line 0+00 | 0+50 mS | 1+00 mS

0 (Datum)

BH08-113 (-90°)	BH08-114 (-90°)	BH08-115 (-90°)	BH08-116 (-90°)	BH08-117 (-90°)	BH08-118 (-90°)
48585	97728	97724	97720	97715	97710
48586	97729	97725	97721	97716	97711
48587	97730	97726	97722	97717	97712
48588	97731	97727	97723	97718	97713
16'	16'	16'	16'	16'	97714
					97715
					24'

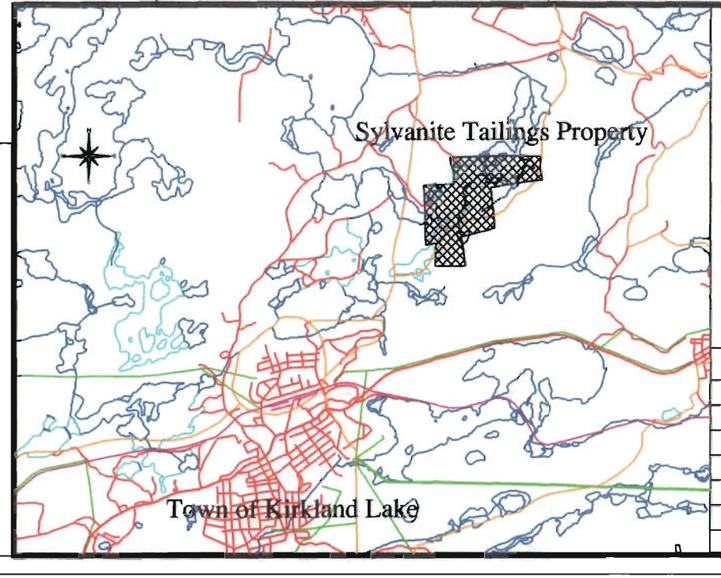
0 (Datum)

-50 metres

1+00 mN | 0+50 mN | Base Line 0+00 | 0+50 mS | 1+00 mS

-100 metres

1+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 5+70E

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

315°

135°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0 (Datum)

BH08-119
(-90°)
485899
485900
8'

BH08-120
(-90°)
485901
485902
485903
485904
485905
485906
485907
485908
24'

BH08-121
(-90°)
485971
485972
485973
485974
486001
16'

BH08-122
(-90°)
965011
965021
965031
965041
965031
12'

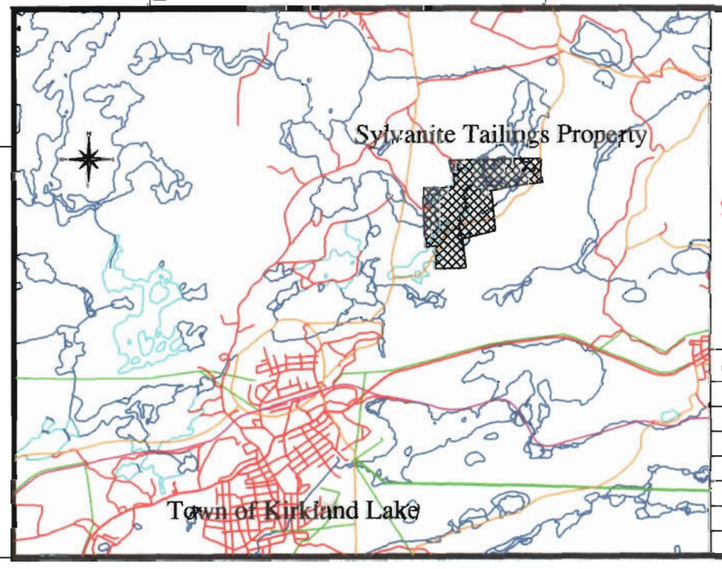
0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 6+00E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0 (Datum)

BH08-126 (-90°)
16'

BH08-127 (-90°)
24'

BH08-128 (-90°)
16'

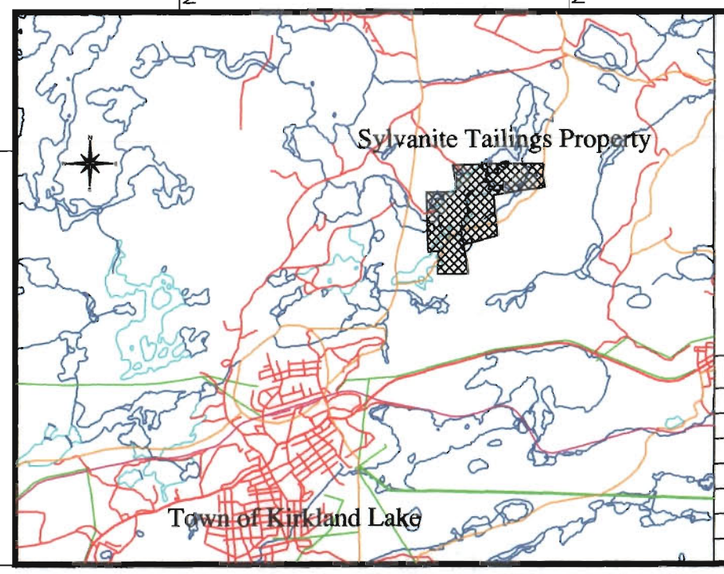
BH08-129 (-90°)
12'

0 (Datum)

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 6+30E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

0 (Datum)

BH08-129
(-90°)
96952
96953
96954
12'

BH08-130
(-90°)
97749
97750
97751
12'

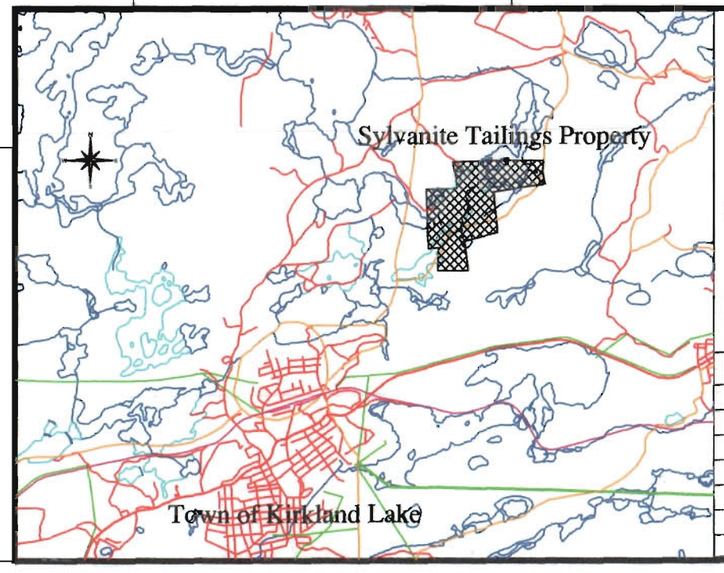
BH08-131
(-90°)
97746
97747
97748
12'

BH08-132
(-90°)
97742
97743
97744
97745
16'

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 6+30E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

135°

0 (Datum)

BH08-133 (-90°)

BH08-134 (-90°)

BH08-135 (-90°)

16'

0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN

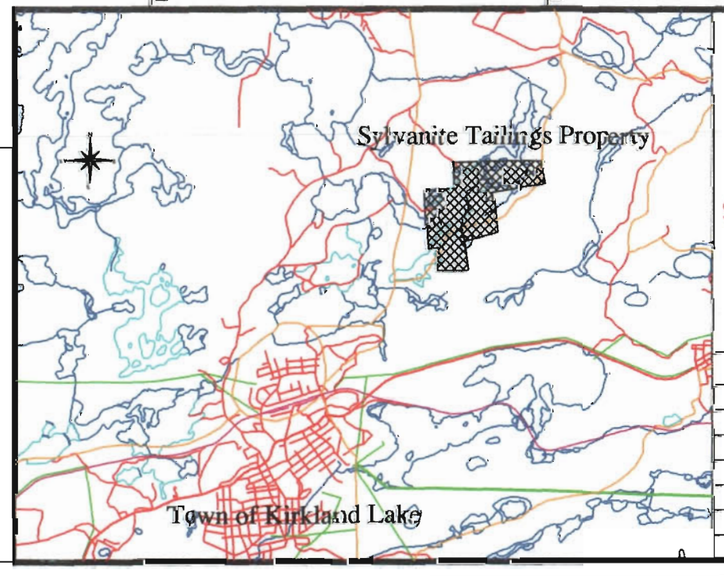
2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 6+90E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

135°

BH08-135 (-90°)

0 (Datum)

[illegible]
16'

BH08-136 (-90°)

965671
4'

BH08-137 (-90°)

969851
969860
8'

BH08-138 (-90°)

969871
969880
8'

BH08-139 (-90°)

965681
965691
8'

0 (Datum)

-50 metres

-50 metres

-100 metres

Base Line 0+00

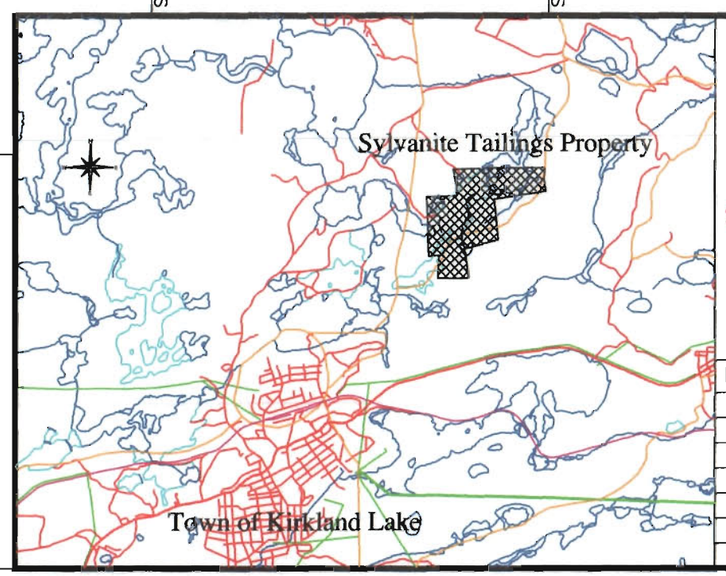
0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topographic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 6+60E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Metres	

315°

135°

2+50mN

2+00 mN

1+50 mN

1+00 mN

0+50 mN

Base Line 0+00

0 (Datum)

BH08-139A
(-90°)
96973
96974
96975
12'

BH08-140
(-90°)
96969
96970
96971
96972
16'

BH08-141
(-90°)
96576
96577
96578
96579
96580
20'

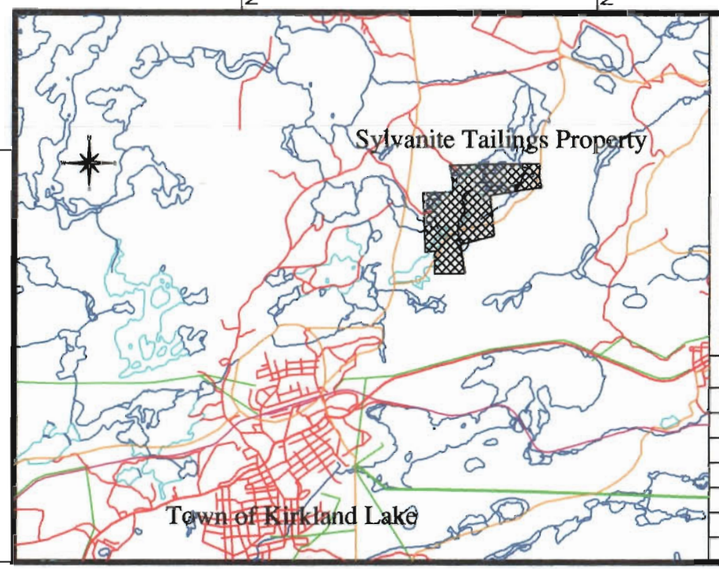
0 (Datum)

-50 metres

-50 metres

-100 metres

2+50 mN



LEGEND

BH08-02 — Bore Hole Location and Number

(-90°) — Bore Hole Dip Angle

Sample Number — Assay (grams/tonne)

87765 0.500
87766 0.837
87767 0.396
87768 0.684
87769 0.751
87770 0.756
87771 0.403

28' — Depth of Hole

Topographic

- Railway
- Road
- Shoreline
- Building
- Topograhic Contour

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT

SECTION 6+90E North

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 25 50 Meters	

315°

135°

Base Line 0+00

0+50 mS

1+00 mS

1+50 mS

2+00 mS

2+50 mS

0 (Datum)

BH08-141
(-90°)
965760
965770
965780
965790
965800
20'

BH08-142
(-90°)
965750
4'

BH08-144
(-90°)
965710
965720
965730
12'

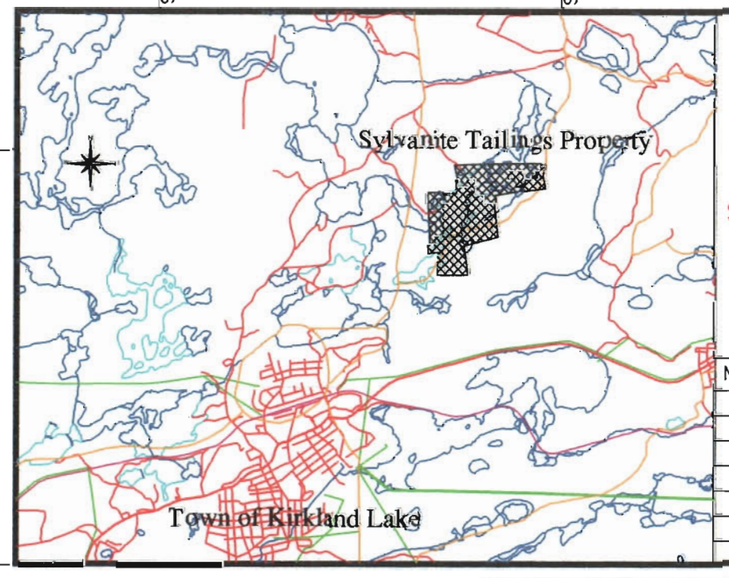
BH08-145
(-90°)
965700
4'

0 (Datum)

-50 metres

-50 metres

-100 metres



LEGEND

BH08-02 — Bore Hole Location and Number
(-90°) — Bore Hole Dip Angle

Sample Number	Assay (grams/tonne)
87765	0.500
87766	0.837
87767	0.396
87768	0.684
87769	0.751
87770	0.756
87771	0.403

28' — Depth of Hole

Topographic
- Railway
- Road
- Shoreline
- Building
- Topographic Contour (340m)

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

SYLVANITE TAILINGS PROJECT
SECTION 6+90E South

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: January 2008
SCALE: 0 Meters 25 50	

574000E
574500E
575000E
575500E
5337000N
5336500N
5336000N

Doig Lake

1199560

L4991

1199561

1167257

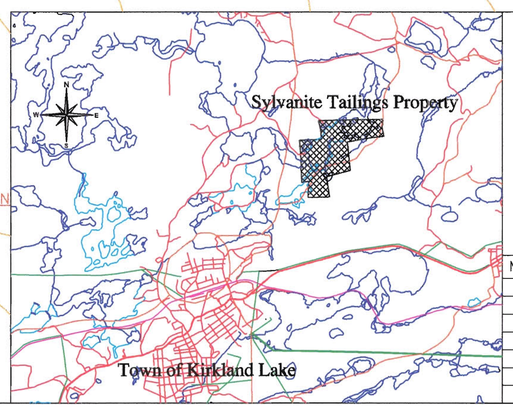
BASE LINE 0+00
(AZ 045°)

1+00S
2+00S
3+00S
1+00N
2+00N

L 0+00
L 0+30E
L 0+60E
L 0+90E
L 1+20E
L 1+50E
L 1+80E
L 2+10E
L 2+40E
L 2+70E
L 3+00E
L 3+30E
L 3+60E
L 3+90E
L 4+20E
L 4+50E
L 4+80E
L 5+10E
L 5+40E
L 5+70E
L 6+00E
L 6+30E
L 6+60E
L 6+90E
L 7+20E
L 7+50E

BH08-01 BH08-02 BH08-03 BH08-04 BH08-05 BH08-06 BH08-07 BH08-08 BH08-09 BH08-10 BH08-11 BH08-12 BH08-13 BH08-14 BH08-15 BH08-16 BH08-17 BH08-18 BH08-19 BH08-20 BH08-21 BH08-22 BH08-23 BH08-24 BH08-25 BH08-26 BH08-27 BH08-28 BH08-29 BH08-30 BH08-31 BH08-32 BH08-33 BH08-34 BH08-35 BH08-36 BH08-37 BH08-38 BH08-39 BH08-40 BH08-41 BH08-42 BH08-43 BH08-44 BH08-45 BH08-46 BH08-47 BH08-48 BH08-49 BH08-50 BH08-51 BH08-52 BH08-53 BH08-54 BH08-55 BH08-56 BH08-57 BH08-58 BH08-59 BH08-60 BH08-61 BH08-62 BH08-63 BH08-64 BH08-65 BH08-66 BH08-67 BH08-68 BH08-69 BH08-70 BH08-71 BH08-72 BH08-73 BH08-74 BH08-74A BH08-75 BH08-76 BH08-77 BH08-78 BH08-79 BH08-80 BH08-81 BH08-82 BH08-83 BH08-84 BH08-85 BH08-86 BH08-87 BH08-88 BH08-89 BH08-90 BH08-91 BH08-92 BH08-93 BH08-94 BH08-95 BH08-96 BH08-97 BH08-98 BH08-99 BH08-100 BH08-101 BH08-102 BH08-103 BH08-104 BH08-105 BH08-106 BH08-107 BH08-108 BH08-109 BH08-110 BH08-111 BH08-112 BH08-113 BH08-114 BH08-115 BH08-116 BH08-117 BH08-118 BH08-119 BH08-120 BH08-121 BH08-122 BH08-123 BH08-124 BH08-125 BH08-126 BH08-127 BH08-128 BH08-129 BH08-130 BH08-131 BH08-132 BH08-133 BH08-134 BH08-135 BH08-136 BH08-137 BH08-138 BH08-139 BH08-140 BH08-141 BH08-142 BH08-143 BH08-144 BH08-145 BH08-146

340m
330m
320m
350m



LEGEND

Land Tenure

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only

Licence of Occupation
- Surface And Mining Rights
- 1234567 Mining Claim

Topographic
- Railway
- Road
- Shoreline
- Building
- Topographic Contour
- BH08-07 Bore Hole Location and Number

No.	Description of Revision	Date	By

NORTHERN GOLD MINING INC.

TITLE: **SYLVANITE TAILINGS PROJECT**

N.T.S.:	DATA BY: Kirkland Gems and Minerals
G.P.S. DATUM: NAD 83	DRAWN BY: BH Madill
DRAWING No.:	DATE: December 2008

SCALE: 0 50 100 150 200 Meters