

2.33590

2.33590

REPORT OF PHYSICAL WORK**RECEIVED**

NOV 23 2006

Overview

This report covers work performed on mining lease TB656461 over the course of the 2005 and 2006 field seasons. In an effort to expose more bedrock and thereby gain a better understanding of the geology involved in the formation of the deposit's amethyst mineralization, extensive manual stripping, washing and trenching was undertaken.

The lease is held 100% by Michael Grieve of 22 Knight Street, Thunder Bay, Ontario. In addition to the recorded holder, work was performed by his wife, Sandra Grieve (also of 22 Knight Street), and the author of this report, Michael D. Grieve, of 59 Peter Street, Thunder Bay, Ontario.

Location and Access

Access to mining lease TB656461 (Tartan Lake sheet, G-2706) is gained by traveling north of Thunder Bay, Ontario, via highway 527, to the Magone Road. Magone Road is followed easterly for approximately 13km, at which point a branch road leads toward the claim group (see map attached to this report).

Nature of terrain and rocks

Overburden in the area consists of coarse glacial till with bouldery and gravelly areas hosted in coarse sandy matrix. Vegetation is comprised of a mix of poplar, birch and balsam, with lesser white and black spruce. A dense undergrowth of alder is predominant throughout most of the claim group.

Surficial float boulders and rubble in the area of excavation are comprised of medium-grained pink granite. Much of the rubble in the vicinity exhibits at least traces of amethystine quartz; lavender to dark purple amethyst crystals ranging from 1.5 centimeters to 2 centimeters are not uncommon.

Stripping and trenching was performed over an area covering approximately 35 meters by 8 meters. Rubble left behind as a result of earlier power stripping was removed, along with some areas of previously undisturbed overburden. The bedrock was washed down with a Monarch water pump, then select areas were drilled and blasted to expose a fresh, unweathered surface.

Amethyst occurs in silicified, brecciated zones associated with east-west trending faults and contacts within granite of the Penassen Lake Stock. Associated with the amethyst mineralization is minor amounts of pyrite, goethite, and chalcopyrite. On the south side of the excavation an amethyst vein, trending roughly 070 degrees, was uncovered. The vein measures nearly one meter in width, and exhibits alternating bands of white, purple, and black amethyst. Individual crystals to 10 centimeters are present. To the east, the vein remains covered by rubble; the western end of it appears to have pinched-off.

Two major vugs were uncovered. The first, in the central portion of the work area, is approximately 3 meters long by 1.5 meters wide by 2 meters deep. It contains bright red, hematite coated amethyst crystals to 1 centimeter. The second vug, located at the western extent of the work area, is approximately 2 meters long by 1 meter wide by 0.5 meters deep. Hematite mineralization is again present, but is less pervasive than

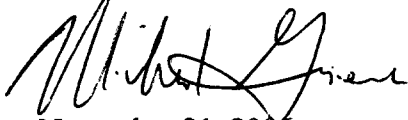
exhibited in the first pocket. The 3 to 10 centimeter crystals are of a mottled purple/red color. Occasional pyrite cubes can be seen just below the surface of some crystal faces. Numerous smaller vugs containing amethyst crystals from 0.2 to 3 centimeters were also encountered. Color ranges from clear quartz, to violet, dark purple, and even black.

Equipment Used

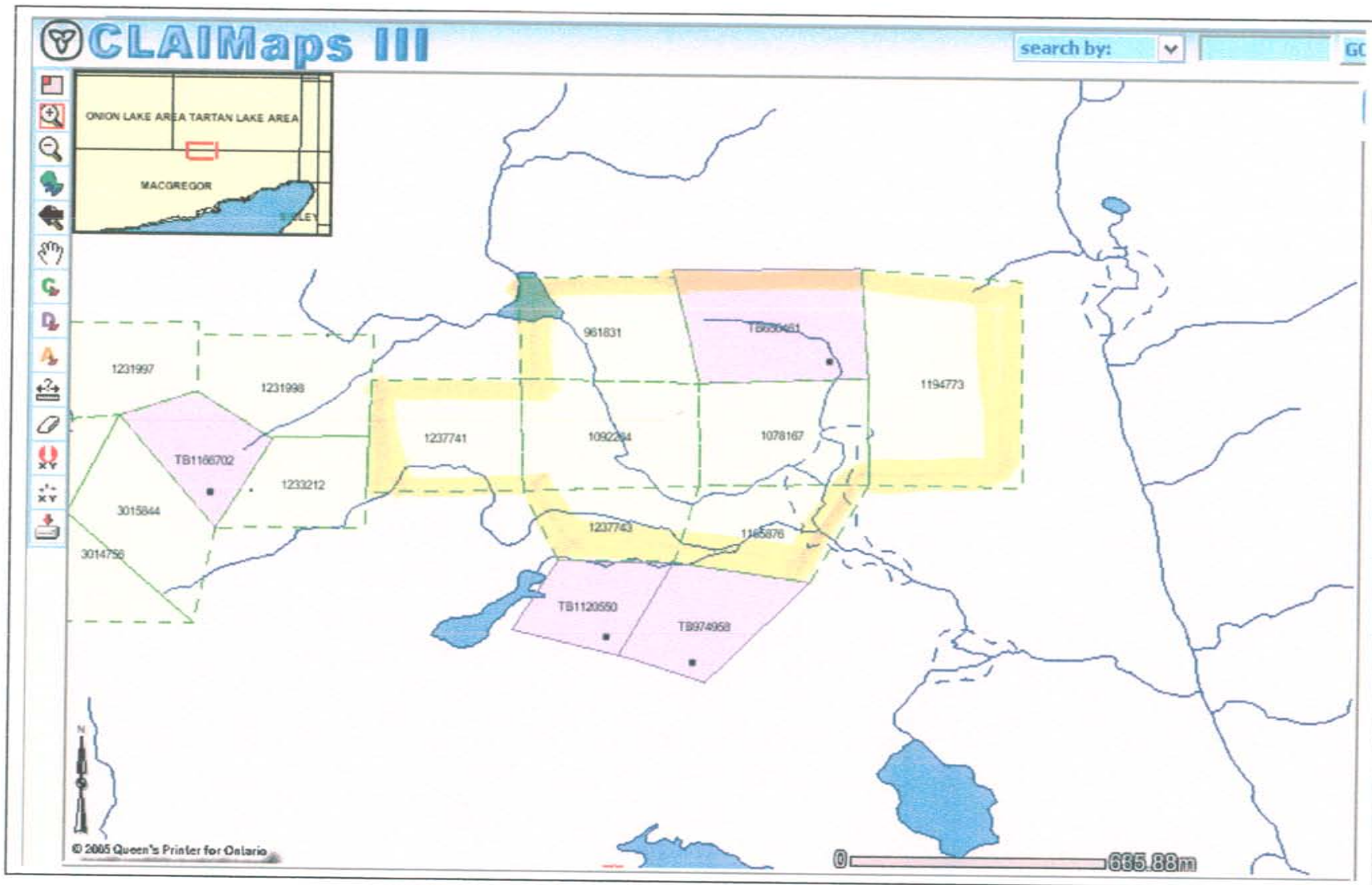
Wacker gasoline powered rock drill, Suzuki King Quad and trailer, pry bars, shovels and grub-hoes

Prepared by

Michael D. Grieve

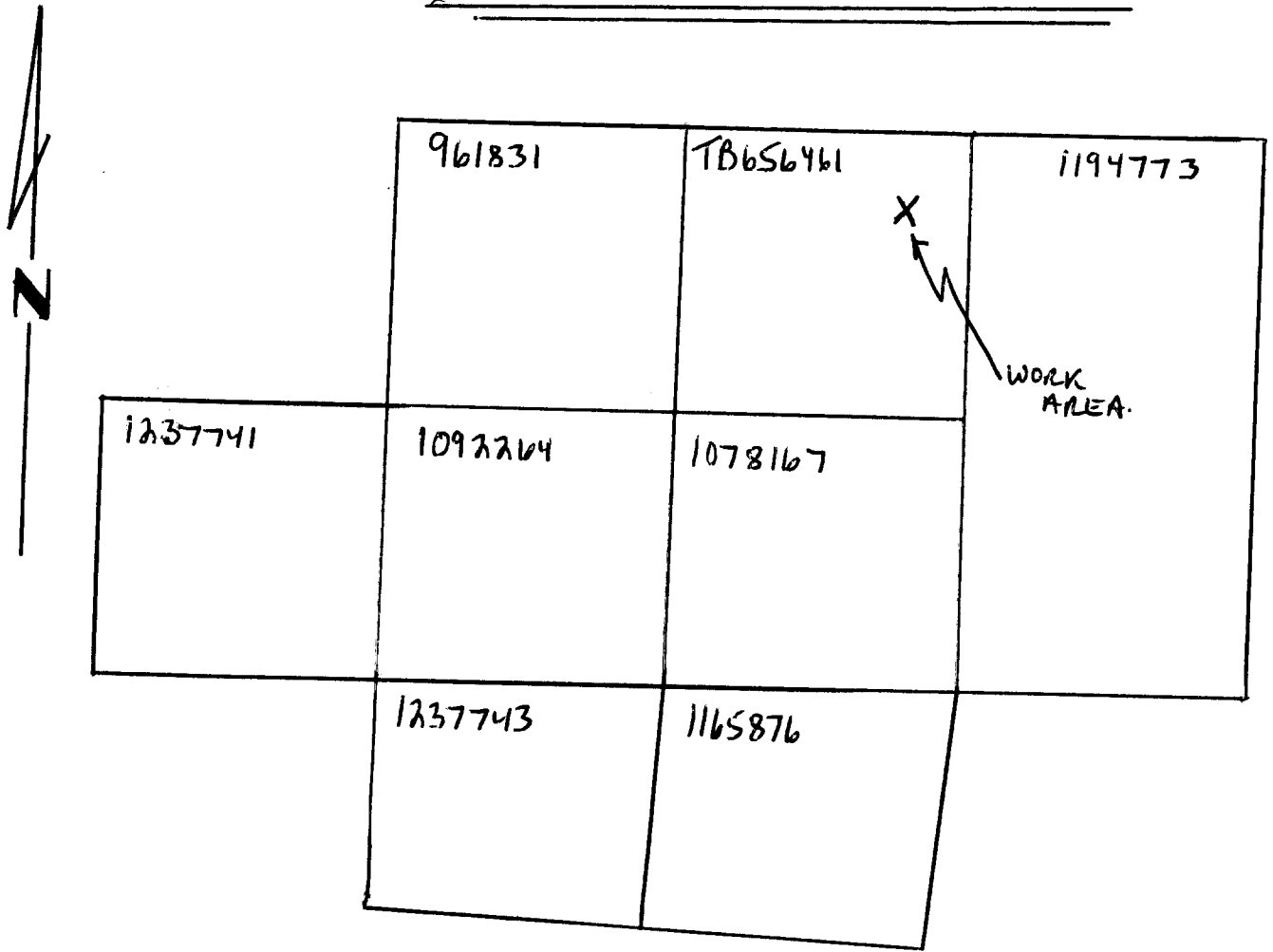
A handwritten signature in black ink, appearing to read "Michael D. Grieve". The signature is stylized with a large initial "M" and a long, sweeping underline.

November 21, 2006

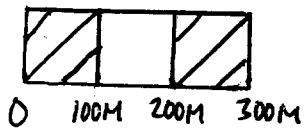


LOCATION OF CLAIM GROUP (HIGHLIGHTED)

LOCATION OF WORK PERFORMED



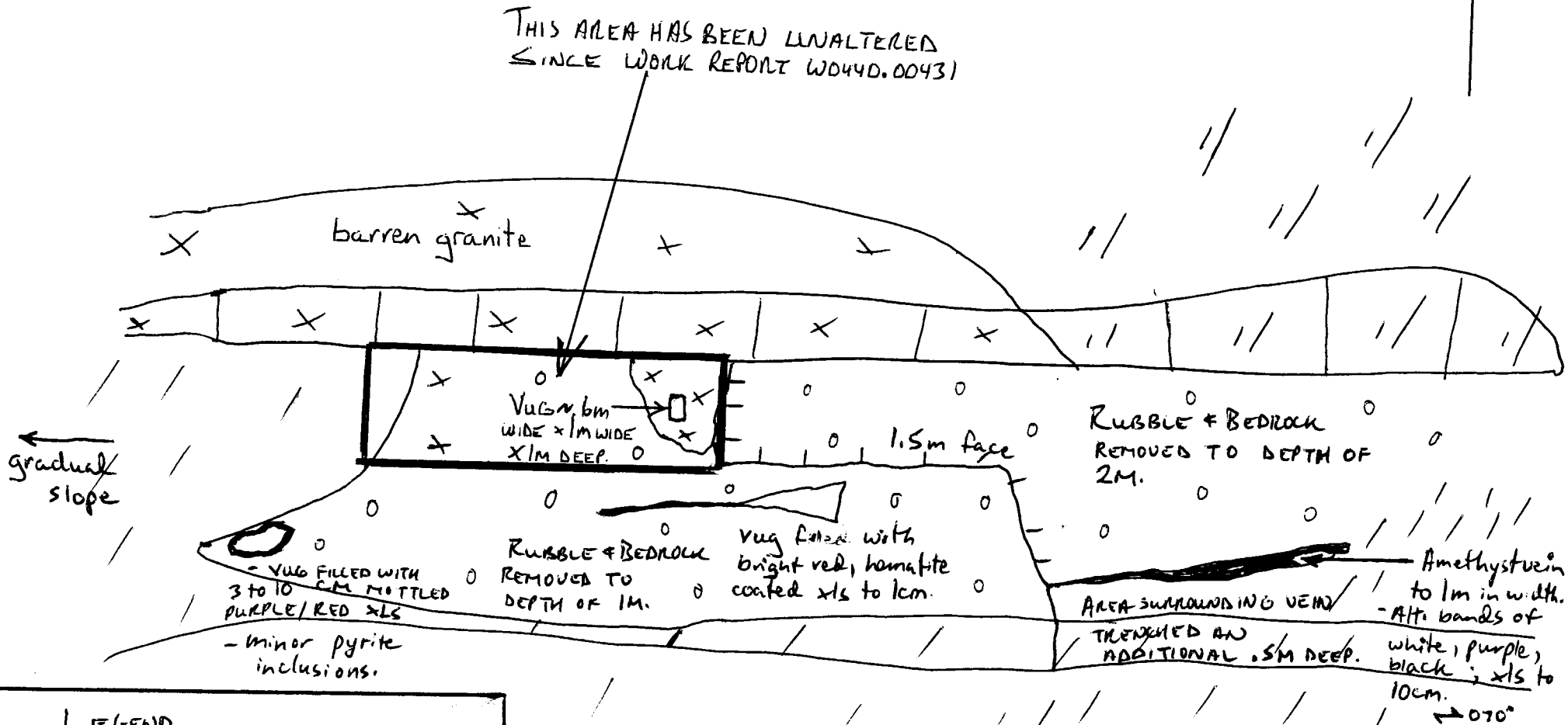
* SEE ATTACHED MAP FOR
DETAILS OF WORK
PERFORMED.



1cm = 100M.

CLAIM 656461 - DETAILS OF WORK PERFORMED.

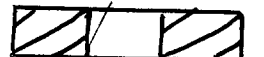
THIS AREA HAS BEEN UNALTERED SINCE WORK REPORT W0440.00431



LEGEND

- X - MEDIUM GRAINED PINK GRANITE (PENAKSEN LAKE GRANITE)
- /// - COARSE GLACIAL TILL
- o - GRANITE / QUARTZ BRECCIA
- - - AMETHYST VEIN

SCALE



1CM = 2M

2.33590

**REPORT OF WORK PERFORMED
ON
MINING LEASE TB656461**

REVISED

February 12, 2007

Thunder Bay
Mining Division
FEB 12 2007
RECEIVED
Kb.
J. Brown

Prepared by:

Michael D. Grieve

Michael Grieve

Suzie GAO
RECEIVED
FEB 15 2007
GEOSCIENCE ASSESSMENT
OFFICE

Introduction

This report covers work performed on mining lease TB656461 over the course of the 2005 and 2006 field seasons. In an effort to expose more bedrock and thereby gain a better understanding of the geology involved in the formation of the deposit's amethyst mineralization, extensive manual stripping, washing and trenching was undertaken.

Manual stripping and trenching was performed over an area covering approximately 35 meters by 8 meters. Rubble left behind as a result of earlier power stripping was removed, along with some areas of previously undisturbed overburden. A Monarch gasoline powered water pump was used to wash overburden and grubbed muck to increase bedrock exposure, then select areas were drilled and blasted both to expose fresh, unweathered surfaces, and to reduce large boulders to manageable size. Overburden, rubble, and blasted muck was removed from the trench using hand tools, buckets, and a Suzuki Quadrunner with trailer.

The lease is held 100% by Michael Grieve of 22 Knight Street, Thunder Bay, Ontario. In addition to the recorded holder, work was performed by his wife, Sandra Grieve (also of 22 Knight Street), and the author of this report, Michael D. Grieve, of 59 Peter Street, Thunder Bay, Ontario.

Location and Access

Access to mining lease TB656461 (Tartan Lake sheet, G-2706) is gained by traveling north of Thunder Bay, Ontario, via highway 527, to the Magone Road. Magone Road is followed easterly for approximately 13km, at which point a branch road leads toward the claim group (see map attached to this report).

Nature of terrain and rocks

Overburden in the area consists of coarse glacial till with bouldery and gravelly areas hosted in coarse sandy matrix. Vegetation is comprised of a mix of poplar, birch and balsam, with lesser white and black spruce. A dense undergrowth of alder is predominant throughout most of the claim group.

Surficial float boulders and rubble in the area of excavation are comprised of medium-grained pink granite. Much of the rubble in the vicinity exhibits at least traces of amethystine quartz; lavender to dark purple amethyst crystals ranging from 1.5 centimeters to 2 centimeters are not uncommon. Amethyst mineralization in float is virtually non-existent to the north of the work area described in this report.

Mineralization

The amethyst mineralization occurs in silicified, brecciated zones associated with east-west trending faults and contacts within granite of the Penassen Lake Stock. It would appear that a contact between barren granite and the mineralized granite and amethyst breccia/massive vein amethyst has been identified on the north edge of the work area.

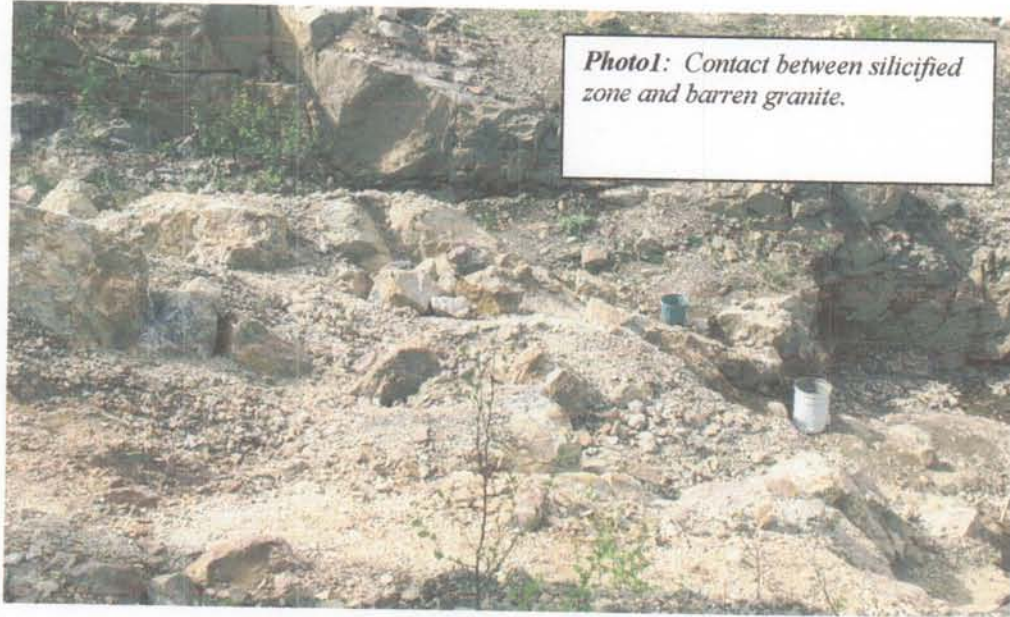


Photo 1: Contact between silicified zone and barren granite.

Associated with the amethyst mineralization are minor amounts of pyrite (visible as 1mm euhedral crystals) and goethite (1-2mm long acicular needles) trapped within the outer layers of amethyst crystals. Occasionally, chalcopyrite and pyrite are visible as isolated blebs within the matrix of the breccia.

On the south side of the excavation an amethyst vein, trending roughly 070 degrees, was uncovered. The vein measures nearly one meter in width, and exhibits alternating bands of white, purple, and black amethyst. Individual crystals to 10 centimeters are present. To the east, the vein remains covered by rubble; the western end appears to have pinched-off.



Photo 2: Looking west along work area. Bouldery till has been removed; initial wash-down of area performed. The large vein described above has just become visible in the lower left corner of the photo.



Photo 3: South contact of large amethyst vein with granite.



*Photo 4 (field of view approximately 50cm):
Large segment of amethyst vein showing growth banding and variation in color. To the right are amethyst crystals to 10cm, heavily coated with hematite.*

The central portion of the work area is comprised of a well developed granite/amethyst breccia. The amethyst varies from pale white, to lavender, to dark purple; breaking up of large amethyst pods within the breccia results in "cobs" similar to that pictured in photo 3, though their size is commensurate with vein width.



Photo 5 (field of view approximately 2m): Granite/amethyst breccia in central portion of work area.

Two major vugs were uncovered. The first, in the central portion of the work area, is approximately 3 meters long by 1.5 meters wide by 2 meters deep. It contains bright red, hematite coated amethyst crystals to 1 centimeter.



*Photo 6:
Hematite coated
amethyst crystals
on granite matrix
from first vug.
Thick, brown fault
gouge is in the
process of being
washed off.*

The second vug, unearthed at the western extent of the work area, measures approximately 2 meters long by 1 meter wide by 0.5 meters deep. Hematite mineralization is again present, but less pervasive than exhibited in the first pocket. The 3 to 10cm crystals, when examined in section, show at least four phases of growth; dark lavender amethyst is followed by a thin, white band, then smoky quartz, and finally, the

hematite-rich cap, which is a mottled purple/red color. Occasional pyrite cubes to 1mm can be seen just below the surface of some crystal faces.



Photo 7: Excavation of second vug. Top of photo shows granite hanging wall with 10cm amethyst vein attached.

Numerous smaller vugs containing amethyst crystals from 0.2 to 3 centimeters were also encountered. Colors range from clear quartz, to violet, dark purple, and even black.



*Photo 8:
Sample of
amethyst on
granite matrix.*

DAILY SUMMARY OF WORK PERFORMED ON TB656461

DATE	WORKERS	EQUIPMENT UTILIZED	NATURE OF WORK PERFORMED
April 21, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer	Travel to and from Thunder Bay. Hand mucking of slough accumulated over course of spring thaw.
May 3, 2005	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. Pails, Quadrunner and trailer, chisels, sledgehammer, Monarch Water pump and hoses, Wacker gasoline powered rock drill.	Travel to and from Thunder Bay. Continue mucking of debris accumulated over the course of the spring thaw. Pump used to wash down areas of exposed bedrock, as well as remove water accumulated due to snow melt. Drilled off several large granite boulders in the central portion of the work area.
May 4, 2005	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Shovel out debris washed into the south end of the trench.
May 5, 2005	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Blasted boulders drilled off May 3; removed broken granite (mostly barren) from central portion of the work area.
May 19, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Monarch water pump and hoses.	Travel to and from Thunder Bay. Wash around blasting area. Granite/amethyst breccia is exposed. Numerous hematite covered crystals to 1cm and chunks of purple vein material visible in gravel.
May 20, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Mud pack more boulders to south; remove debris. Boulders mix of granite, granite/quartz breccia; no outstanding amethyst.
May 21, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Concentrated on excavating area in central portion of the work area where hematite covered crystals were located. Numerous crystals to 2cm encountered.

DAILY SUMMARY OF WORK PERFORMED ON TB656461

DATE	WORKERS	EQUIPMENT UTILIZED	NATURE OF WORK PERFORMED
May 23, 2005	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Concentrated on excavating area in central portion of the work area where hematite covered crystals were located. Discovered hematite coated amethyst clusters to 10cm diameter. Specimens are extensively weathered, however.
May 23, 2005	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Traced clusters and crystals along strike to west. Presence of extremely thick "gooey", tan colored fault gouge indicates possibility of a vug.
June 2, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer, Monarch water pump and hoses.	Travel to and from Thunder Bay. Used pump to wash fault gouge out of suspected vug area. Mucked additional overburden and granite from perimeter of area. Granite in this area is extremely weathered, to the point of being broken apart by hand.
June 13, 2005	Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Wacker gasoline powered rock drill.	Travel to and from Thunder Bay. Manual stripping; drill around vug to prepare for blasting.
August 11, 2005	Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Blast holes drilled June 13, to gain access to vug. Begin mucking.
September 12, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Monarch water pump and hoses, Quadrunner and trailer.	Travel to and from Thunder Bay. Manual stripping, mucking; wash large amethyst vein in south east portion of work area.

DAILY SUMMARY OF WORK PERFORMED ON TB656461

DATE	WORKERS	EQUIPMENT UTILIZED	NATURE OF WORK PERFORMED
September 13, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Wacker gasoline powered rock drill, Quadrunner and trailer.	Travel to and from Thunder Bay. Manual stripping and mucking. Drill additional holes around red vug. Feather-and-wedge, muck to complete opening of vug.
September 15, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Muck last of material freed up by feather-and-wedging and blasting. Begin to excavate vug. Vug is filled with thick, tan colored fault gouge; broken hematite-covered crystals prevalent; occasional cluster in 3-4 cm range encountered.
October 9, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Monarch water pump and hoses.	Travel to and from Thunder Bay. Wash to expose granite/amethyst breccia in central portion of work area; muck debris washed into low areas.
October 22, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Manual trenching and mucking.
October 23, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Manual trenching and mucking.
November 3, 2005	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Manual trenching and mucking of larger material. Ground too frozen to move fines.
May 4, 2006	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Hand mucking of slough accumulated over the course of the spring thaw.

DAILY SUMMARY OF WORK PERFORMED ON TB656461

DATE	WORKERS	EQUIPMENT UTILIZED	NATURE OF WORK PERFORMED
May 5, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Manual stripping.
May 17, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Monarch water pump and hoses, Quadrunner and trailer.	Travel to and from Thunder Bay. Wash down west end of work area to expose bedrock; muck accumulated debris.
May 19, 2006	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Manual trenching and mucking.
May 20, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Manual trenching and mucking. Granite/amethyst breccia is continuous through to western end of work area.
May 21, 2006	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Wacker gasoline powered rock drill.	Travel to and from Thunder Bay. Drill and blast bedrock to west of large vug unearthed in 2005 work program. Muck debris.
May 22, 2006	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Muck debris from blasting. Material ranges from barren granite to 1-2cm lavender amethyst xls on granite matrix.
May 28, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer, Wacker gasoline powered rock drill.	Travel to and from Thunder Bay. Drill and blast holes on extreme west end of work area; granite/quartz breccia locally vuggy. Amethyst xls to 3cm found as floaters in overburden.
May 29, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Muck blast debris.

DAILY SUMMARY OF WORK PERFORMED ON TB656461

DATE	WORKERS	EQUIPMENT UTILIZED	NATURE OF WORK PERFORMED
May 30, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Shoot remaining holes; muck debris.
May 31, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Encountered hematite coated crystals to 5cm in red-brown fault gouge. Excavate gouge, which indicates presence of vug.
June 13, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Monarch water pump and hoses, Quadrunner and trailer.	Travel to and from Thunder Bay. Continue to excavate vug. Amethyst crystals to 10cm; mottled red-brown-purple exterior over medium to dark purple core. Occasional crystals contain 1mm pyrite cube inclusions.
June 15, 2006	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Remove additional overburden at south side of vug area; continue to excavate vug. Clusters to 30cm x 20cm extracted.
July 3, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Excavate deep overburden north of vug.
August 15, 2003	Michael Grieve	Shovels, pry bars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Excavate deep overburden north of vug.
September 8, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Excavate deep overburden north of vug. Continue to remove crystals and clusters from vug.

DAILY SUMMARY OF WORK PERFORMED ON TB656461

DATE	WORKERS	EQUIPMENT UTILIZED	NATURE OF WORK PERFORMED
September 9, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer, Monarch water pump and hoses, Quadrunner and trailer.	Travel to and from Thunder Bay. Excavate deep overburden north of vug. Occasional amethyst cobs or amethyst vein/xls on matrix. Wash down west end of work area. Amethyst breccia and veining is prevalent throughout.
September 10, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Remove large rubble left behind from "pick and shovel" work.
September 25, 2006	Michael Grieve Sandra Grieve Michael D. Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Finish excavating vug; ultimate extent 2m x 1m x 0.5m.
October 7, 2006	Michael Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Manual trenching in northeast corner of work area. Rubble is a mix of bouldery glacial till and angular granite and/or breccia outcrop fragments.
October 8, 2006	Michael Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Manual trenching in northeast corner of work area.
October 9, 2006	Michael Grieve	Shovels, prybars, 5ga. pails, wheelbarrow, chisels, sledgehammer.	Travel to and from Thunder Bay. Manual trenching in northeast corner of work area.
November 5, 2006	Michael Grieve Sandra Grieve	Shovels, prybars, 5ga. pails, chisels, sledgehammer, Quadrunner and trailer.	Travel to and from Thunder Bay. Manual trenching in northeast corner of work area; remove accumulated rubble too large for shovel and bucket.

33590
 06558