

**Geological Survey Branch
Assessment Report Indexing System**



[ARIS11A]

ARIS Summary Report

Regional Geologist, Cranbrook

Date Approved: 2005.02.05

Off Confidential: 2005.09.23

ASSESSMENT REPORT: 27507

Mining Division(s): Golden

Property Name: Big White

Location: **NAD 27** **Latitude:** 50 25 09 **Longitude:** 115 42 31 **UTM:** 11 5585815 591744
NAD 83 **Latitude:** 50 25 09 **Longitude:** 115 42 35 **UTM:** 11 5586033 591663
NTS: 082J05E
BCGS: 082K078

Camp:

Claim(s): Big White 1-2

Operator(s): Tiger Ridge Resources Ltd.
Author(s): Willis, Bradley

Report Year: 2004

No. of Pages: 11 Pages

Commodities Searched For: Barium/Barite

General Work Categories: PROS

Work Done: Prospecting
PROS Prospecting (50.0 ha;) No. of maps : 2 ; Scale(s) : 1:5000

Keywords: Cambrian, Brisco Formation, Beaverfoot Formation, Breccias, Barite

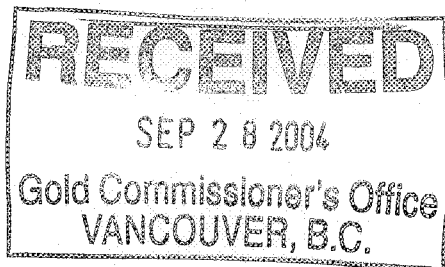
Statement Nos.: 3217330

MINFILE Nos.: 082JSW015

Related Reports:

TIGER RIDGE RESOURCES LTD

BIG WHITE PROPERTY



ASSESSMENT REPORT

Big White #1 397413

Big White #2 397414

Golden Mining Division

Mount Pedly Area

Latitude: 50° 25' 9"

Longitude: 115° 42' 31"

Mineral Titles Reference Map

M082K078

Owner: Brad Willis

Operator: Tiger Ridge Resources Ltd

By:

Brad Willis, B.Sc. Eng.

President

Tiger Ridge Resources Ltd.

August, 2004

Calgary, Alberta

TABLE OF CONTENTS

	Page #
Introduction	2
Location and Access	2
Claim Information	2
Geology	3
Conclusion	4
Statement of Expenditures	5
Statement of Qualifications	6
Maps	Appendix A

INTRODUCTION

The Big White mineral claims were staked in October 2002 and no work has been carried out on this property since the early 1980's. The previous owners built an 8 km road to access the large barite outcrop located at the 1850m elevation. There was a small portal driven and minor surface mining done on the property back in the early 1980's.

Geological mapping of the main outcrop was also done at this time however there has been no mapping of the geology in the immediate vicinity of the main outcrop.

The purpose of the exploration work for the 2004 season was to familiarize and locate barite outcrops for a diamond drilling program. A total of three days was spent working on the property and this work entailed prospecting and locating the barite outcrops using a GPS and planning a drill program. A total of 17 new barite outcrops were discovered and located on the map using the GPS.

LOCATION AND ACCESS

The Big White property is accessed from the Settlers Road, which is 20 km East of Radium along highway 93. There is a rough road, which accesses the property and is accessed 35 km along Settlers Road and this 8 km road takes you to the barite outcrops on top of the mountain.

CLAIM INFORMATION

The Big White claims are located at Longitude 50° 25' 9", Latitude 115° 42' 31". At an elevation of 1850 m.

The claim information is as follows:

Tenure Number	Claim Name	Owner Number	Map Number	Mining Division	Tag Number
397413	BIG WHITE #1	130826 100%	082J042	06 GOLDEN	717386M
397414	BIG WHITE #2	130826 100%	082J042	06 GOLDEN	717387M

GEOLOGY

The claims cover three main geological formations:

- Beaverfoot Brisco Dolomite
- Wonah Quartzite
- McKay Shale.

The Beaverfoot Brisco formation is a fossil bearing limestone, which is striking 100° dip NE -20° and is overturned. The Wonah Quartzite and McKay shale lie above the Beaverfoot Brisco to the east and they are also overturned.

The barite outcrops occur as fissure veins and breccias, which are predominant along a S080°E trending fault. The main zone of barite is exposed for 150m and is a fissure vein with large areas of brecciation. The dip of the vein is near vertical and is dipping at 95° to the South.

The main zone of barite is a massive fracture filled barite fault, which contains fissure filled barite along with large areas of barite breccias. The barite is pure white in color and varies from coarse grained crystals to tight cryptocrystalline barite crystals.

After prospecting the area within the claim boundaries we discovered more barite outcrop. There are abundant small vertical fracture filled barite occurrences along the 080° trend. The barite can be traced along the trend in minor occurrences for over 460 m.

There are also barite outcrops discovered to the south of the main zone in minor vertical and horizontal fractures. A total of 17 new barite showings were discovered and GPS surveyed on to the new map.

The main zone can be traced for ±150m along the strike of the ore body. However, the continuity of the zone is still in question and will require a drilling program to outline the true width and strike.

CONCLUSION

The prospecting and general mapping has proven that the main zone of interest is a S080°E trending fault zone which contains brecciated barite and fissure veins. The barite discovered along the strike of the main zone indicates continuation. However, these barite outcrops are small and will require diamond drilling to prove barite to depth. The large barite breccia outcrop located 330m east of the main outcrop is encouraging and indicates the possibility of large pods of barite along the trend.

There may be a relationship with the bedding of the Brisco Beaverfoot formation along the fault contact, which may have been more susceptible to faulting. This theory would require a drilling program to target the barite along the trend and using the dip of the bedding to target barite along the fault.

Eight drill sites have been picked to outline the potential for barite along this trend with priority targets located near the main outcrop.

Based on visual inspection of the barite and geology the possibilities for mineable reserves exist along the first 200m of strike. At present time the ore body has probable strike of 150m and depth of 100m. The width of the zone is roughly 4.5m and the ore body is irregular in nature. The upper area of the main zone has a 20m vertical vein that is 1m wide. The middle zone varies from 0.5m wide to 4.5m wide and the lower area has a width of 1-2m. The second zone is 10m North of the main zone and is connected to the main zone through a series of low angle fissures. This north zone varies in widths of 0.5m to 4.5m.

The bedding may be the key to this ore body and the large barite outcrop may be continuous along this -20° bedding plane. There are only minor barite occurrences above the main zone and this could be related to the bedding.

A diamond drill program was outlined based on this theory and drilling will have to be done to gain a better understanding of this structure. Eight drill sites were picked and a drilling program will have to be implemented next season to prove the barite ore body and to obtain more geological data.

At present time it can be assumed based on the outcrops that a 150m x 100m x 2.5m zone of barite exists. This would indicate a possible barite resource of ±150,000 tonnes. However, drilling will have to be completed to determine proven, probable and possible reserve estimates.

A total of 17 new outcrops have been GPS surveyed on to the map and a detailed survey of the area will have to be done as follow up work. A structural geological map should also be a priority as there are numerous faults occurring on the property. The structural map would also help with the diamond drilling program.

STATEMENT OF EXPENDITURES

Total days work	3	
Engineer	\$500/day	\$1,500
Helper	\$200/day	\$600
Subsistence	\$20/day/man	\$120
Camp Supplies/Fuel		\$200
Administration/Engineering/Supplies (report/mapping)		\$2000
TOTAL		\$4920.00

STATEMENT OF QUALIFICATIONS

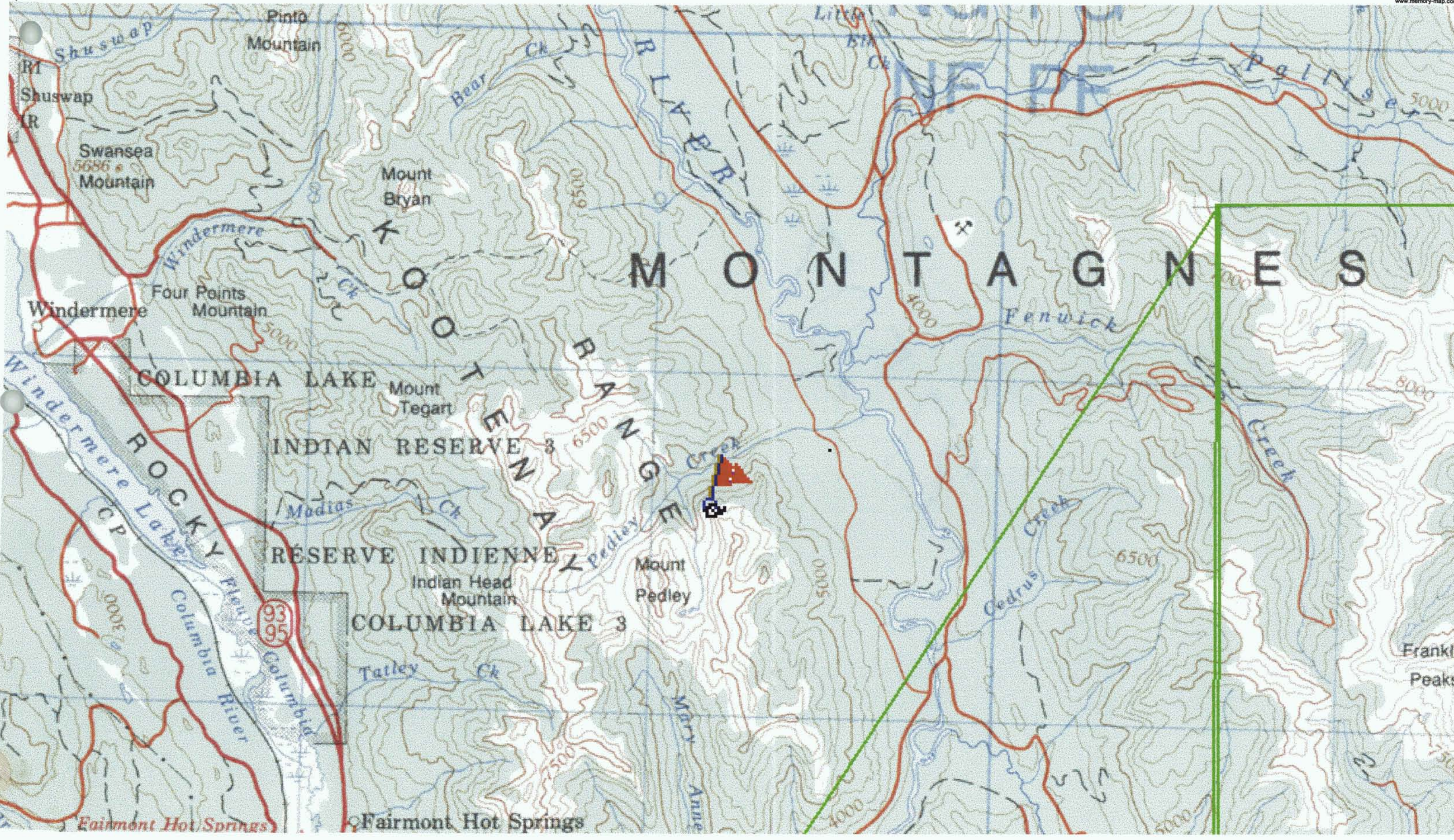
I, Bradley C. Willis of 15 Tuscany Glen Place NW, Calgary, Alberta, do hereby certify that:

- I am the President and Exploration manager of Tiger Ridge Resources Ltd.
- I am a graduate of the South Dakota School of Mines and Technology with a B.Sc.Eng. of Mining Engineering.
- I started Tiger Ridge Resources Ltd in 1997 and have been actively exploring for barite since that time.

Bradley C. Willis
President
Tiger Ridge Resources Ltd



Date: SEPT. 17/04



93
95

ROCKY MOUNTAINS

COLUMBIA LAKE

INDIAN RESERVE

RÉSERVE INDIENNE

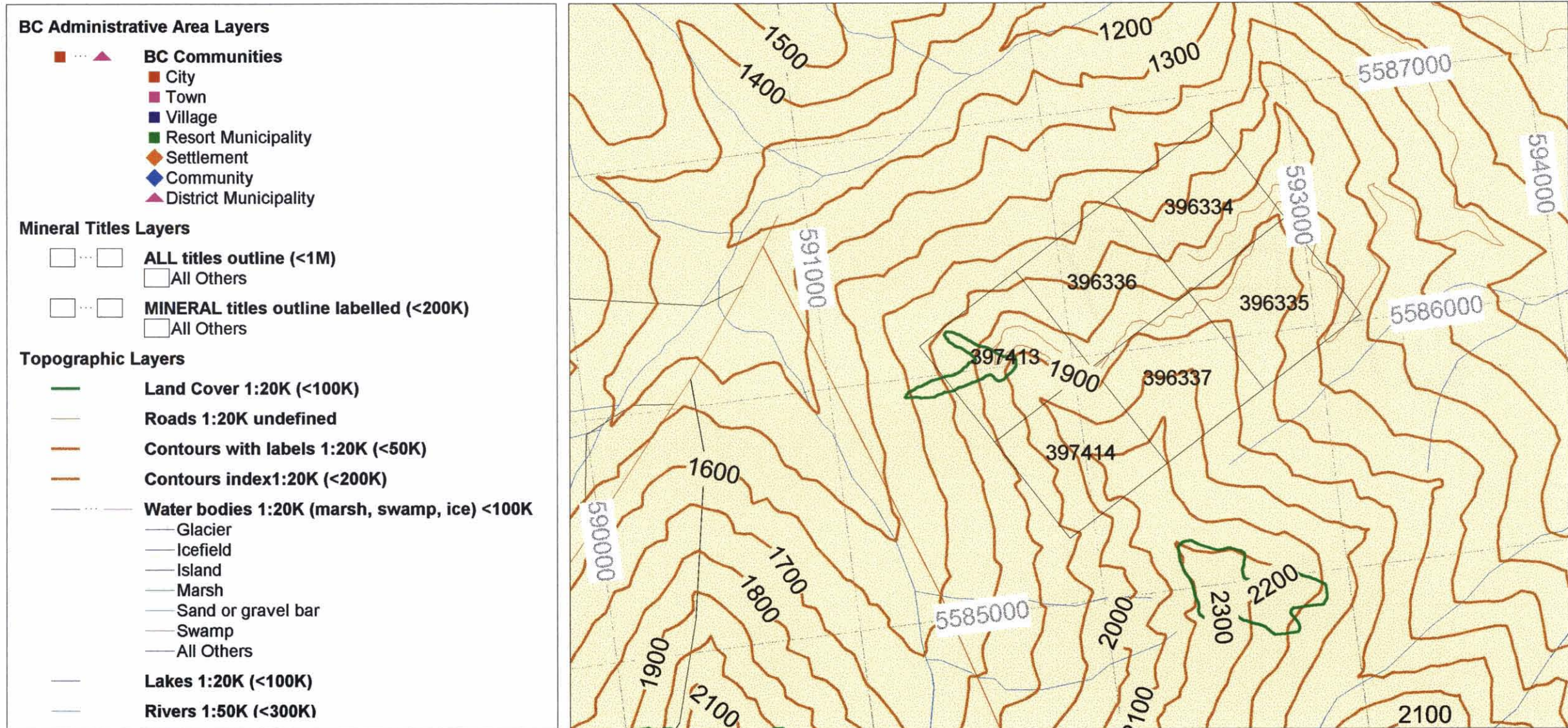
COLUMBIA LAKE

Eimont Hot Springs

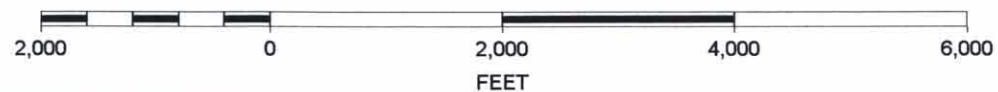
Fairmont Hot Springs

Franklin Peaks

Mineral Titles Map

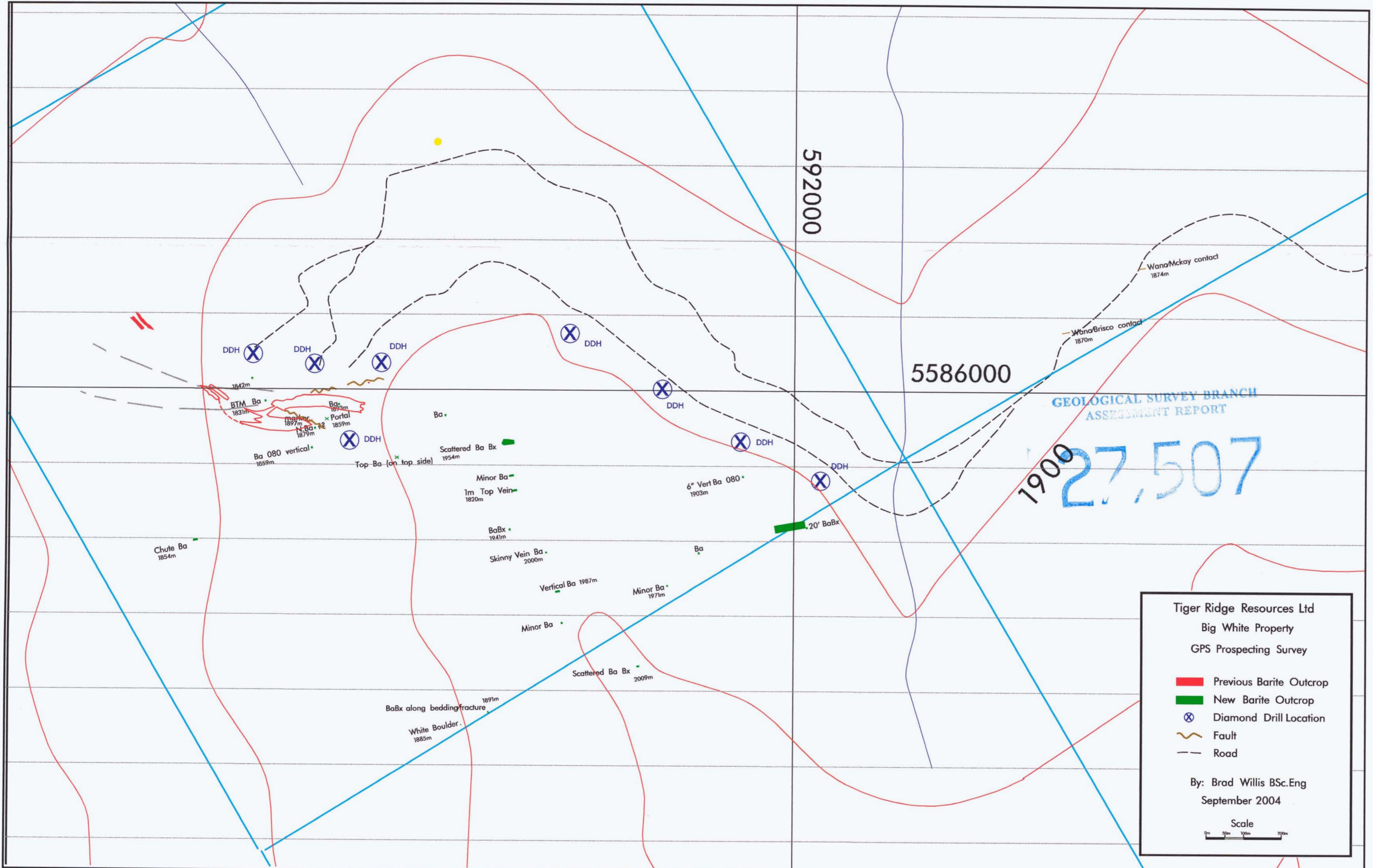


SCALE 1 : 20,000



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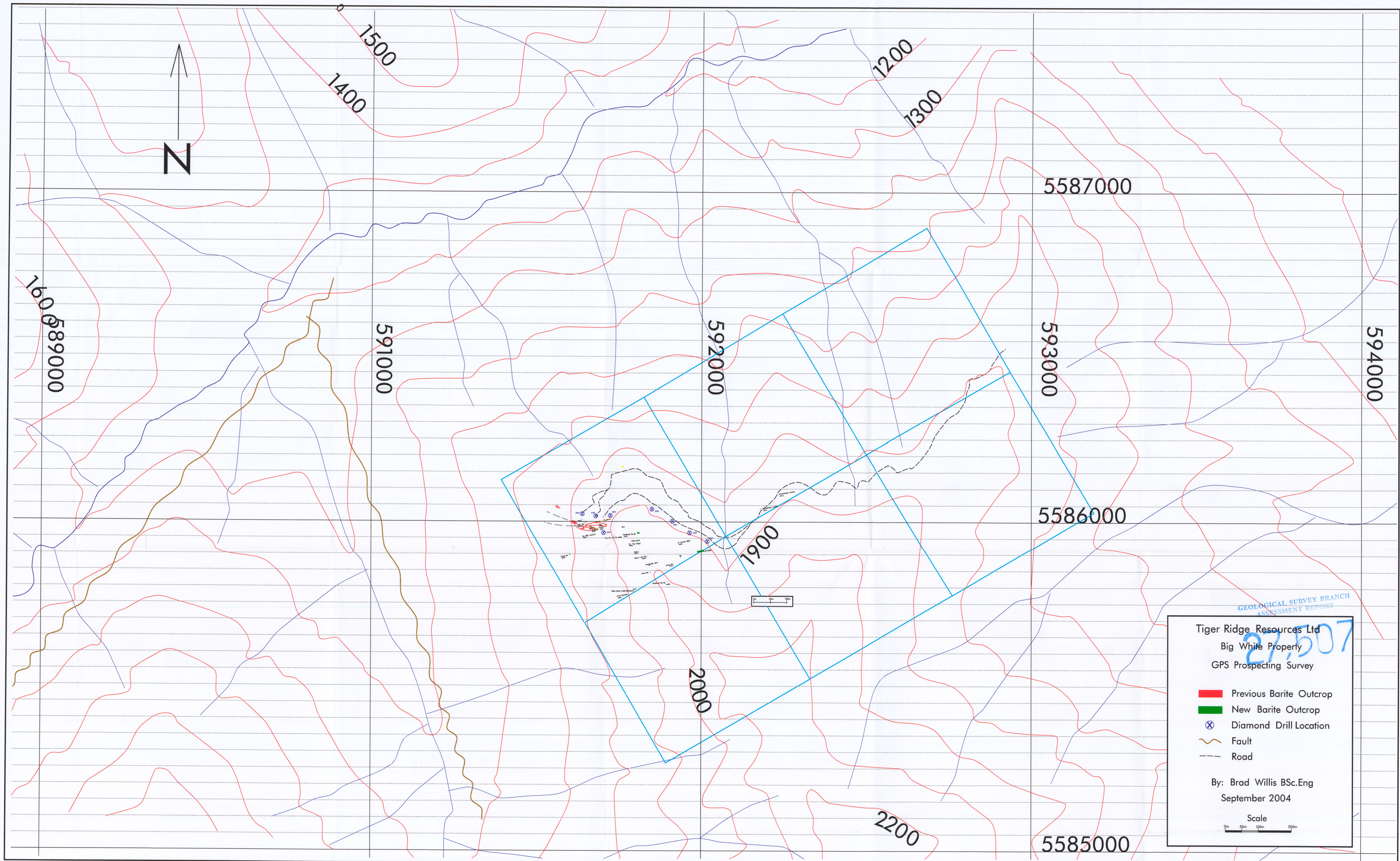


Tiger Ridge Resources Ltd
 Big White Property
 GPS Prospecting Survey

- █ Previous Barite Outcrop
- █ New Barite Outcrop
- ⊗ Diamond Drill Location
- ~ Fault
- Road

By: Brad Willis BSc.Eng
 September 2004

Scale
 0m 50m 100m 200m



GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT

Tiger Ridge Resources Ltd
 Big White Property
 GPS Prospecting Survey

27,507

- Previous Barite Outcrop
- New Barite Outcrop
- ⊗ Diamond Drill Location
- Fault
- - - Road

By: Brad Willis BSc.Eng
 September 2004

Scale
 0m 50m 100m 200m