

MAR 20090011: BURT

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FINAL REPORT

APR 24 2009
20090011

PART B

ASSESSMENT REPORT
For
BURT PROJECT

And

PART C

APPENDICES
For
BURT PROJECT

ASSESSMENT REPORT
Metallic and Industrial Mineral Permit Number
9307010910

BURT PROJECT
NTS: 83G

For

SandSwamp Exploration Ltd.

Submitted by:
Lester B. Vanhill

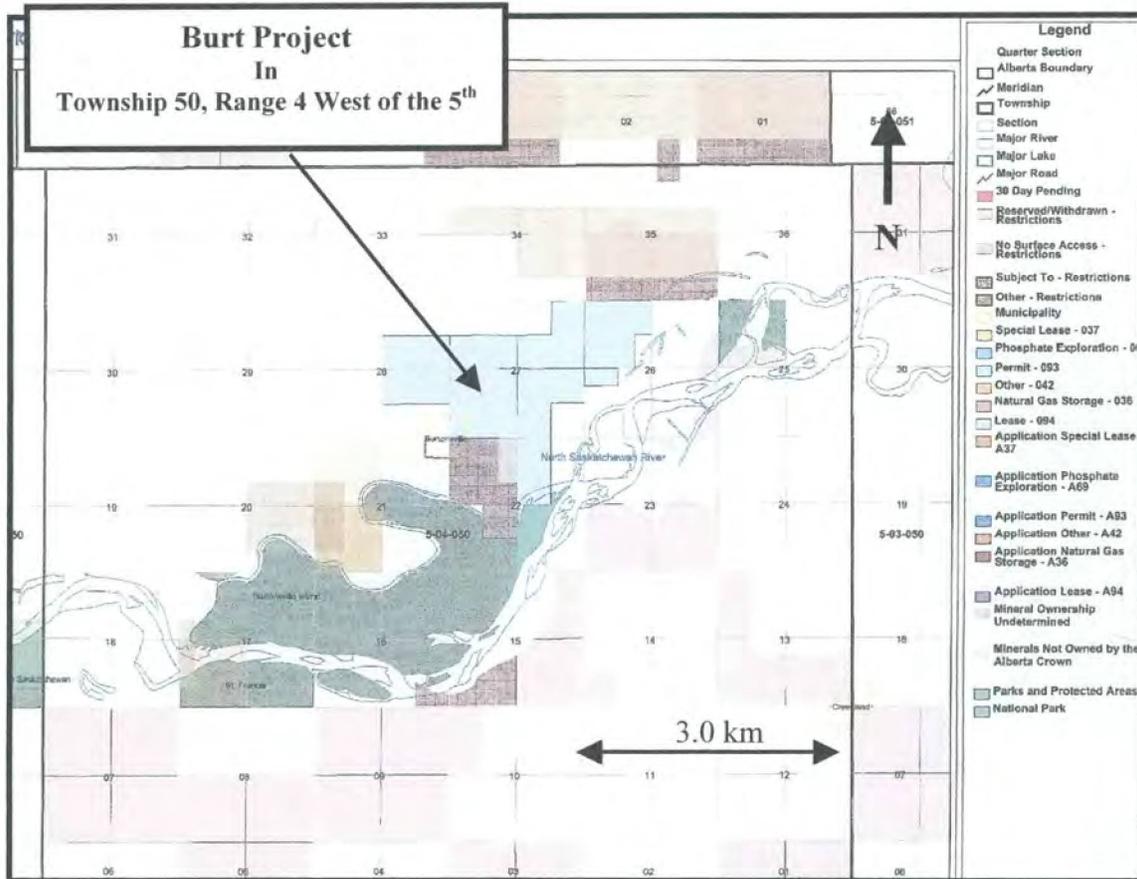
March, 2009

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Map of Current Permits and Boundaries

Figure 1: Burt Project Map



Source: Alberta Energy

Summary

The Burt Project is Alberta Metallic and Industrial Mineral Permit # 9307010910, located in Township 50, Range 4 West of the 5th Meridian. The Project is owned as a joint venture between SandSwamp Exploration Ltd. and 876 919 Alberta Ltd. The main focus of exploration for the Burt Project is centred on the unusual volcanic rocks exposed in old mining cuts along the sides of the North Saskatchewan River Valley. These Burtonville Volcanic rocks have a value and demand as decorative landscaping material. The majority of exploration for the first term of this permit focused on appraising the volcanic rocks and evaluating local market demand.

**MINERAL ASSESSEMENT
EXPENDITURE BREAKDOWN BY TYPE OF WORK**

Actual Expenditure

Project Name: BURT PROJECT

	<u>Amount</u>
1. Prospecting	\$ <u>810.00</u>
2. Geological Mapping & Petrography	\$ _____
3. Geophysical Surveys	
a. Airborne	\$ _____
b. Ground	\$ _____
4. Geochemical Surveys	\$ _____
5. Trenching and Stripping	\$ _____
6. Drilling	\$ _____
7. Assaying & whole rock analysis	\$ _____
8. Other Work: <u>Rock Value Evaluation</u>	\$ <u>750.00</u>
<u>Assessment Report Writing</u>	\$ <u>260.00</u>
SUBTOTAL	\$ <u>1,820.00</u>
9. Administration (up to 10% of subtotal)	\$ <u>180.00</u>
TOTAL	\$ <u>2,000.00</u>

Lester Vanhill
SUBMITTED BY (Print Name)

March, 2009
Date

Introduction

The Burt Project currently covers an area of 424 ha and is located within the north central portion of Township 50, Range 4 West of the 5th Meridian, which is within NTS Map Sheet 83G. The Burt Project is formally known as Alberta Metallic and Industrial Mineral Permit # 9307010910. This permit has a term date of 2007-01-24. SandSwamp Exploration Ltd. (Sandswamp) of Dapp, Alberta is the current designated representative and holds a 50% interest in the property. The other 50% is held by Gary Godberson of Drayton Valley, Alberta under 876 919 Alberta Ltd.

The main geological exploration targets on the Burt Project are a series of outcropping volcanic rock units referred to as the Burtonville Volcanics. These rocks are exposed in old mining cuts and along new road cuts on the north side of the North Saskatchewan River Valley. In the past, these volcanic rocks have been mined for decorative stone and foundation base material. Red shale material from the project area was used in the construction of Commonwealth Stadium in Edmonton, Alberta during the late 1970's.

The Burt Project area was previously held by the same owners under a preceding mineral permit. Approximately \$38,000 worth of exploration was conducted on the original Burt Project mineral permit but the permit lands were lapsed and reacquired without an assessment report being filed. None of the previous permit's expenditures are included in this report's assessment credits, but information contained in the private database collected at that time is referenced. This referenced information is thought to be valid to the current exploration activities incurred on this mineral permit for it's first term. Duplication of sampling and prospecting were deemed an inappropriate use of exploration funds, so the majority of current activity involved assessing the value of the volcanic rocks and conducting market research to aid in development of a future proposed mineral lease.

Market research for decorative rock is difficult. All of the potential customers contacted for evaluation of the volcanic rock wish to remain anonymous and were unwilling to give exact dollar values for the material, but still showed considerable interest in acquiring exclusive rights to all of the volcanic material that could be extracted from the sites. Details are listed in the exploration section of this report.

Regional Geology Bedrock Geology

The Burt Project is located along the geological boundary of the Tertiary Paskapoo and Cretaceous Scollard formations. The Kneehills tuff volcanic unit is visible in exposed bedrock in some of the old mining cuts. Upper Scollard formation coal seams are visible in slump exposed cliff faces on the property. Some of these coal seams contain thin seams or blebs of amber.

The main focus of the Burt Project is the localized pockets of volcanic rock material located directly above the Kneehills Tuff marker bed. The origin of these localized volcanic rocks is believed by many to be melted rock material from underground coal seam fires. Similar volcanic rocks have been documented in other parts of Alberta. In these other areas of Alberta, the melted material was created by fires in manmade mine coal dumps. After extensive sampling, geological mapping and rock melt testing conducted in 2004, the Burt Project owners concluded that the volcanic rocks are the symptom of a localized volcanic intrusive event or the symptom of an underground sulphide burn which in turn ignited the local coal seams. The coal fires never reached the temperatures needed to create the Burtonville Volcanics but did bake the local surrounding bedrock to a red brick shale unit. Sulphide burn occurrences are documented in areas of northern Alberta. They produce a heat that is capable of melting rocks very similar in composition to the Burtonville Volcanics.

Surficial Geology

The Burt Project area is covered by glacial till. The till is composed mostly of local bedrock sourced material and appears to be dominantly basal till. Pockets of ablation till have been noted along road cuts within the North Saskatchewan River valley. Glacially derived shield rocks were noted in field rock piles while prospecting but the dominant erratic rock type appear to be local Paskapoo sandstone. The river valley bottom consists of thick deposits of preglacial and glacially reworked quartzite gravels. These gravels appear to have originated from the Cambrian Gog formation located in the Rocky Mountains of western Alberta. A large gravel mining operation is located on the Burt Project lands and is targeting these Gog formation gravels.

Exploration

The main exploration effort for the Burt Project area was the evaluation of the volcanic rock, red shale material and large volcanic boulders for decorative and landscaping purposes.

Hand samples of various colours and types of rock were taken to two separate landscaping rock supply companies in Edmonton, Alberta, during May of 2008.

The first company (name withheld, referred to as "Company A"), was interested in the samples of grey melted rock and the red shale. Company "A" would not give a value of the two different rock types but requested a bulk sample of 30 cubic yards of both types of the material. The red shale material had to be crushed to no larger than 2.56 cm, and free of white tuff material and clay. The hard grey volcanic rock had to be crushed to 5 cm add washed. These bulk samples were to be confirmed and arranged for deliver in

May or June of 2008. Because a mineral lease would be needed to extract and sell the rock from the Burt Project, delivery of a bulk test sample could not occur.

The second company's (name withheld, referred to as "Company B") management was not located in Edmonton and the purchasing decision process for this company appeared to be complicated. After viewing hand samples from the Burt Project, Company B wanted to purchase all of the Burtonsville volcanic material on a royalty basis, but demanded unacceptable terms for the proposed transaction. The value of the rock material was never discussed during this process.

In May of 2008 Lester Vanhill, visited the Burt Project area and conducted radiometric spot checks on the various rock types to confirm the rocks were within the acceptable radioactive limits for transportation and domestic resale. The Kneehills tuff unit was the most radioactive rock unit in the exposed mining cuts and fell within acceptable Department of Transportation limits for transportation of radioactive material. Roll front uranium deposits are known to occur near the project area, so radioactive sampling will need to be an ongoing procedure during any future mining operation on the project area.

During the summer of 2008, Gary Godberson prospected the Burt Project area looking for new undiscovered volcanic rock and red shale deposits. Several new detached boulder locations were located during this process. These new locations need mechanical trenching to confirm the size of the perspective deposit.

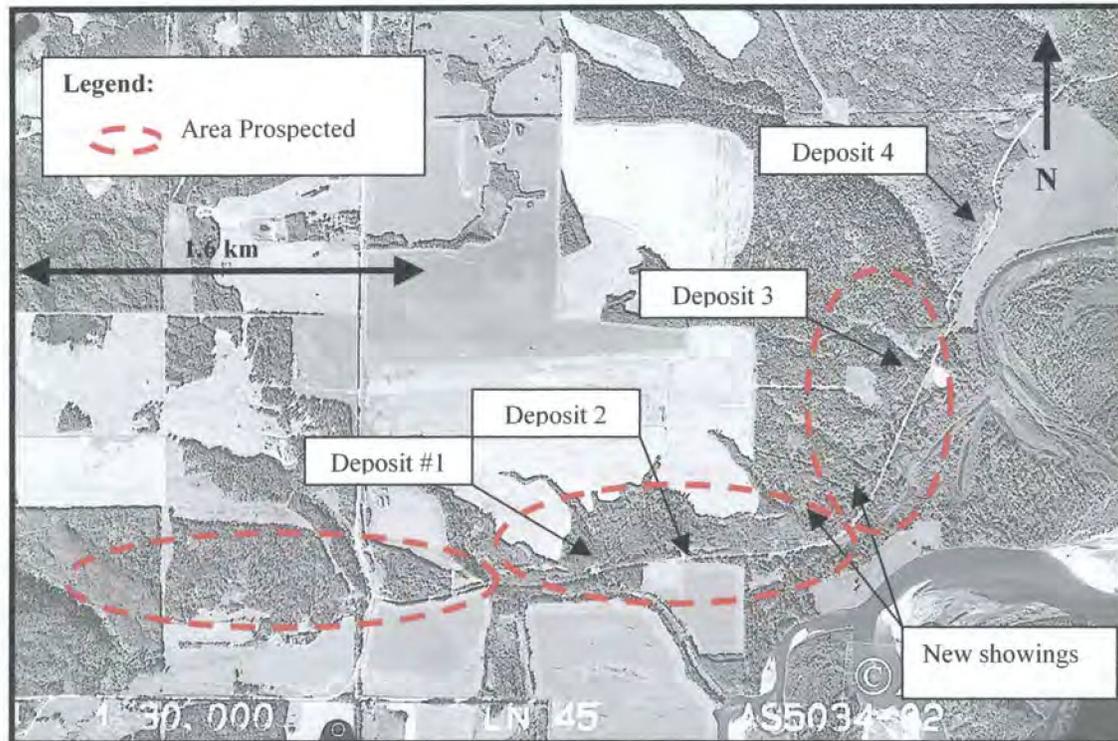
In October of 2008, a third company (name withheld, referred to as "Company C") became interested in packaging and retailing material from the Burt Project. One meeting was held to view the selected hand samples of the deposits and to determine exploration techniques that could be used to find new deposits in the area. Company C, conducted a site visit of the deposits, guided by Gary Godberson.

After the site visit, preliminary talks began with Company C, for the development of a small test mining operation to evaluate the material for the intended market. Company C did not wish to negotiate further until the deposits were taken to a second exploration permit term and secured for another two years.

Cash in lieu was paid to Alberta Energy to secure 100 ha of the Burt Project for a second exploration term, thus fulfilling the request made by Company C. This assessment report has been compiled to secure a further 324 ha of Burt Project lands.

In October of 2008, the current landholder of the Deposit #1 (Border Paving Ltd.) was contacted. Arrangements were discussed for surface access and permission to conduct test mining of the deposit at a future date. The landholders main concern was the reclamation of historic mining disturbances at the Deposit # 1 mining cut.

Figure 2: Air Photograph Prospecting Traverse



Conclusion

The Burtonsville Volcanic rocks located on the Burt Project appear to have a value for decorative landscaping material and feature ornamental rocks. The deposits are road accessible and have seen previous mining operations. The Burt Project is within the large Edmonton, Alberta market area and is connected to it by existing gravel haul roads. Company C may attempt production and retail sale of the Burtonsville Volcanics providing the operation achieves permitting requirements and the needed economic feasibility threshold.

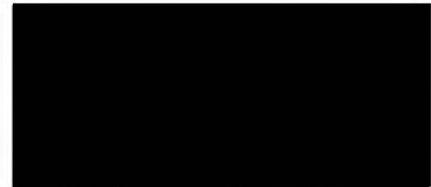
As a side note to the this report, approximately 500 tonnes of Burtonsville Volcanics have been stolen from the project area since 2004 by persons other than the project owners. This includes a 1.85 m tall volcanic boulder with an appraised value of \$1500. No royalty has been collected by Alberta Energy for this stolen material.



Author Qualifications:

I, Lester B. Vanhill, of Dapp, Alberta, Canada do hereby certify that:

1. I am a prospector with; and sole owner of; Sandswamp Exploration Ltd.
2. I am a graduate of the Northern Alberta Institute of Technology (N.A.I.T.) with an honours diploma in Geological Technology (2003) and a diploma in Business Administration (1997).
3. I have been an active prospector within the Yukon, NWT, Nunavut and Alberta at various times since 1994.
4. I do not belong to any professional association(s).
5. I currently hold 50% beneficial interest in this Property.
6. I am not aware of material fact or material change with respect to the subject matter of the report that is not reflected in the report, or the omission to disclose which makes the report misleading



Lester B. Vanhill
Sign at: Edmonton, Alberta, Canada
March 20, 2009

References

Alberta Air Photograph Database.

Dufresne, M.B., Olson, R.A., Schmitt, D.R., Mckinstry, B., Eccles, D.R., Fenton, M.M., Palowicz, J.G., Edwards, W.A.D. and Richardson, R.J.H. (1995). The Diamond Potential of Alberta: A Regional Synthesis of the Structural and Stratigraphic Setting, and Other Preliminary Indications of Diamond Potential. MDA Project M93-04-037, Alberta Research Council Open File Report 1994-10.

Fipke, C.E., Gurney, J.J. and Moore, R.O.(1995): Diamond exploration techniques emphasizing indicator mineral geochemistry and Canadian examples; Geological Survey of Canada, Bulletin 423.

Hamilton, W.N., Price, M.C. and Chao, D.K. Geological Map of Alberta. Alberta Energy and Utilities Board, Alberta Geological Survey, Scale 1:1,000,000.

Personal Conversations: anonymous

Personal Communication: Edwards, D, Alberta Geological Survey

Personal Communication: Eccles, D.R., Alberta Geological Survey

SandSwamp Exploration Ltd. Burt Project 2004 Database.

Appendix 1

Past Exploration Summary of Burt Project

**For the
Burt Project**

Past Exploration Summary of Burt Project (2004)

The Burt Project is located 50 km west of Edmonton, Alberta. The area overlies the Wabamun Terrane, a stable Archean basement and is cross cut by the Snowbird tectonic zone. The property is road accessible as it encompasses mostly farmland. Local till thickness averages 0-30m.

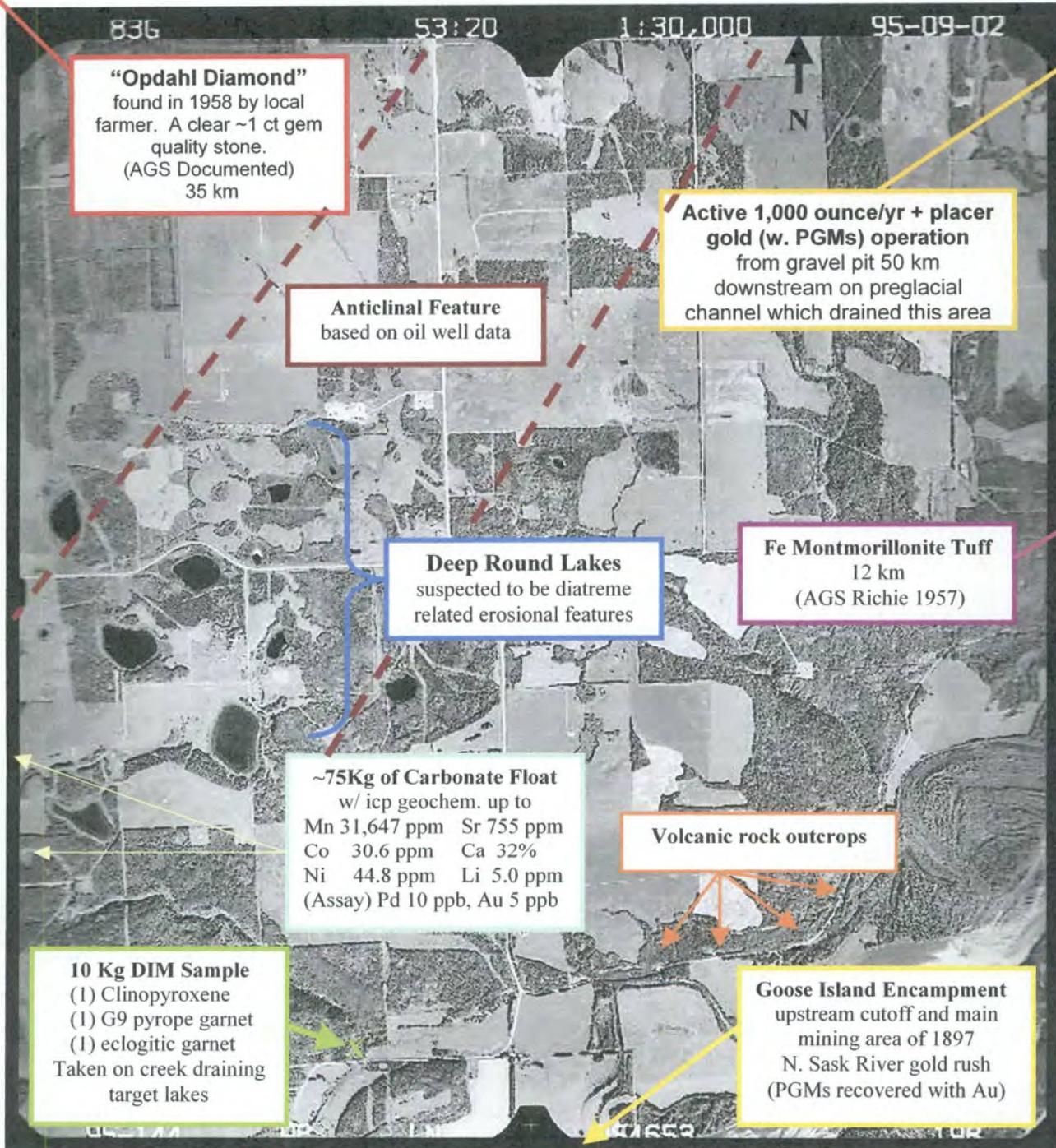
The project area has an interesting mineral occurrence history, which includes the mining of over 7,500 ounces of fine placer gold from the North Saskatchewan River starting immediately downstream from the Burtonville (Burt) showing in 1896 and 1897. A current gold recovery operation is active in gravel pits along a preglacial channel, which traveled past the Burt showing in preglacial times. There is an unusually high amount of PGMs recovered with the North Saskatchewan River gold. It has been suggested by Alberta Geological Survey publications that, local mafic to ultramafic diatremes may be the source of these PGMs.

In 1958, an ~ 1 carat clear octahedron diamond was reported to have been recovered 40 km west of the Burt claim (AGS source "Opdahl Diamond"). Numerous kimberlite indicator minerals (KIM) in this area have been reported in AGS publications including a G10 from the same gravel pit as the current gold recovery operation.

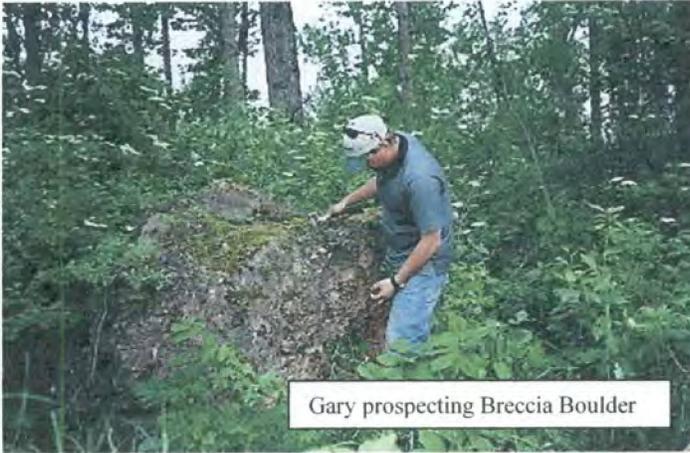
The Burt Project was staked based on an outcropping of volcanic looking rock previously labelled a coal burn. This "coal burn" lies at the cretaceous unconformity and has reached a heat of up to 1200°C (personal communication E. Dickson, AGS). It is surrounded by a complex makeup of brecciated and welded tuff bed structures as well as a heightened level of several unusual elements including >120 ppm Strontium and 3 ppm Uranium. The linear trend of the outcropping, volcanic material suggests a fault controlled placement. More work is needed to confirm this occurrence is a true coal burn, or to determine if the coal burn was a secondary heat source, which was caused by a natural, chemical sulphide burn or a true volcanic event.

Two km away from the volcanic showings, unusual carbonate (31-28% Ca) float has been recovered from pastureland. This float has the appearance of hydrothermal alterations and ICP-MS results show 516-755 ppm Strontium and up to 31,000 ppm Manganese. Several small round deep lakes are up ice of this pastureland. Based on oil well data an anticline feature is perceived to underlay these lakes. A 10 kg stream sediment DIM sample taken from the creek draining some of these lakes (~1.5 km downstream) returned (1) G9 and (1) Clinopyroxene (probed as an eclogitic low-Cr diopside based on $\text{Na}_2\text{O}\%$ vs $\text{Al}_2\text{O}_3\%$) documented by C.F. Minerals. The highest precious metal assay to date has yielded only a 10 ppb Palladium from the Carbonate float.

Air Photograph Summary of Burt Projects Main Area of Interest



Photographs of Interest
Burt Project



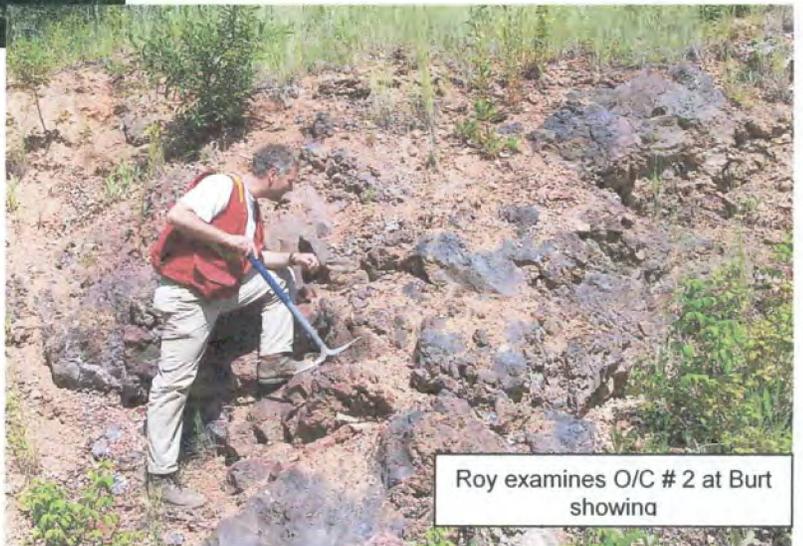
Gary prospecting Breccia Boulder



Explosive Breccia



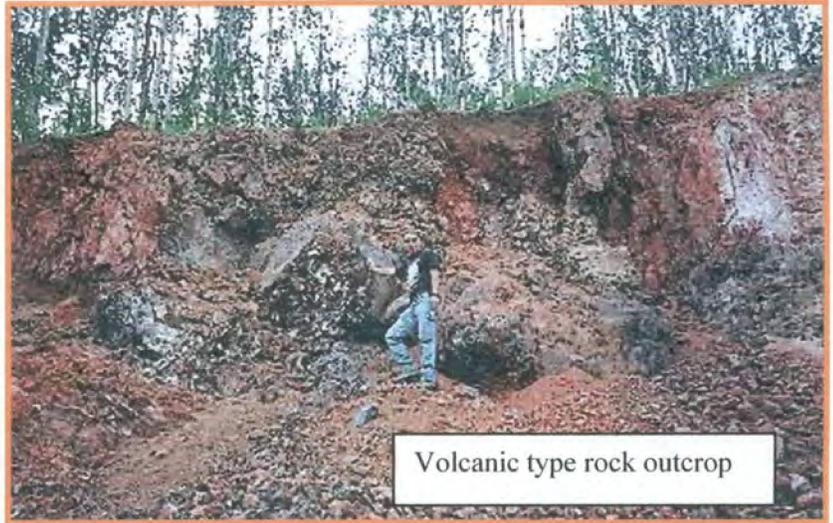
Breccia Boulder



Roy examines O/C # 2 at Burt showing



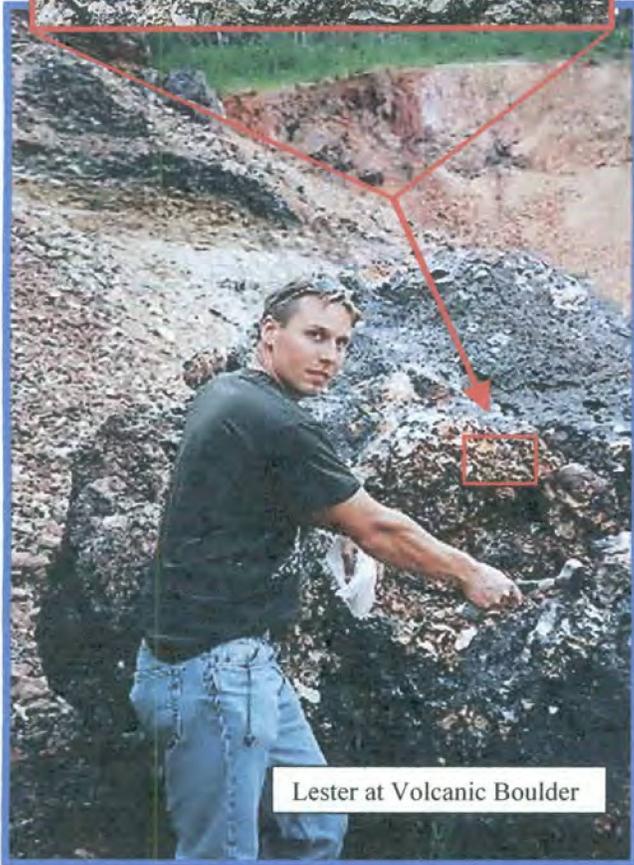
Photographs from Burt Project, Outcrop # 1



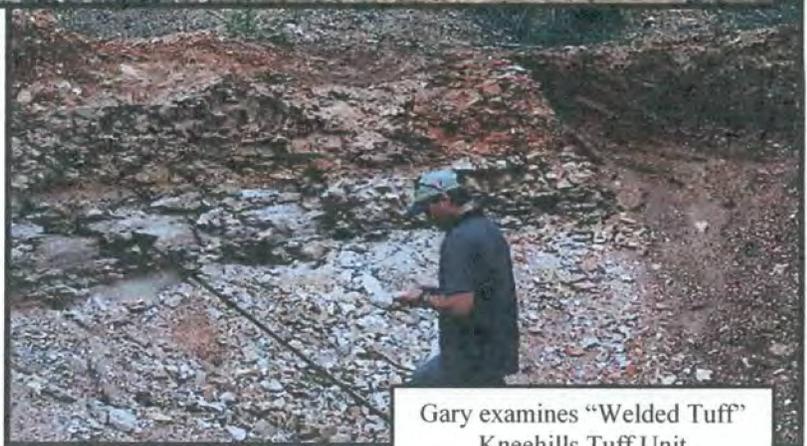
Volcanic type rock outcrop



Bedrock Contact



Lester at Volcanic Boulder



Gary examines "Welded Tuff" Kneehills Tuff Unit

SandSwamp Exploration Ltd. 2004



Rock Samples of the Burt Project Area

