GEOLOGICAL and DIAMOND DRILLING

ASSESSMENT REPORT

ON THE

MONTEITH BAY GEYSERITE QUARRY

Mining Lease 359157
and Surrounding Claims

KYUQUOT SOUND AREA
VANCOUVER ISLAND
N.T.S. 92L/3W (92L.014)
LATITUDE 50° 08', LONGITUDE 120°18'

Owned by

Homegold Resources Ltd.
#5-2330 Tyner St.
Port Coquitlam, B.C., V3C 2Z1
Phone: 604-970-6402
Fax: 604-944-610

by

J. T. (Jo) Shearer, M.Sc., P.Geo.
Consulting Geologist
#5-2330 Tyner St.
Port Coquitlam, B.C., V3C 2Z1
Phone: 604-970-6402/Fax: 604-944-610
E-mail: jo@HomegoldResources.com
Website: www.HomegoldResources.com

January 21, 2002

TABLE of CONTENTS

LIST of ILLUSTRATIONS and TABLES

TABLES

SUMMARY

1) The Monteith Bay Geyserite Quarry started commercial production in 1999, providing high grade silica rock to the Cement Plant in Delta operated by Tilbury (Lehigh Northwest) Cement. Approximately 120,000 tonnes have been mined to date.

2) Initial exploration of the geyserite resource began in the latter part of 1992, diamond drilling in early 1993 with a 10,000 tonne bulk sample taken in July 1993.

3) A "Mine Development Certificate" was issued in early 1995. The production reclamation bond was posted in 1999.

4) Drillholes MB93-1 to 5, 5A, 6 to 13 totalled 414.38m (1359.5 ft.) of core which was assayed at the Tilbury Cement Plant for major elements. It was subsequently found that the x-ray sulphur values did not give the accuracy needed for Acid Rock Drainage/Metal Leaching (ARD/ML) concerns.

5) Reserves were calculated in 1993 to be 1,200,000 tonnes above sea level (at 3m) of 97% SiO_2, 0.1% Na, 0.2% K, 1.5% Al_2O_3 and 0.2% Fe_2O_3 from section 140m to 300m.

6) Mining in 2000 and 2001, which exposed dyke material in the 140m section area, highlighted the need to address ARD/ML concerns and water discharge to the south bay.

7) A fill-in diamond drill program of 6 holes totalling 147.52m (484ft) was initiated in December 2001 to provide more detail information in the 220m section and west areas of the quarry for future mine planning. This program brings the total drilling completed to 561.9m (1843.5 ft).

8) During the course of this recent work the original topographic basemap produced in 1993 by Perry Wright and Fuller, B.C. Land Surveyors was found to be distorted in the area between 240 to 300m sections by approximately 25%.

9) Revised ore reserves were re-calculated to aid in mine planning and resource optimization using the revised topo basemap.

Respectfully submitted,

J. T. (Jo) Shearer, M.Sc., P.Geo.
January 21, 2002

INTRODUCTION

Mining at the Monteith Bay Quarry began in 1999 to provide high grade (>97% SiO_2) to the Tilbury Cement Plant in Delta, B.C. The quarry is owned by Monteith Bay Resources Ltd. a wholly owned subsidiary of Lehigh Cement (Tilbury).

The area was first documented in 1908 when the unusual concentrations of massive alunite and pyrophyllite were discovered. Minor pyrophyllite was produced after 1910 for the manufacture of drain tiles and refractory bricks in Victoria.

Sampling, geological mapping, diamond drilling and bulk commercial testing was completed between late 1992 and August 1993. The area disturbed for the bulk sample was reclaimed in 1996.

As mining proceeded, it became apparent that more attention was needed toward Acid Rock Drainage/Metal Leaching (ARD/ML) concerns. The oxidation of pyrite contained within the sericite/chlorite altered andesite and diorite dykes was producing more ARD/ML products than originally anticipated.

A program of Acid-base accounting, Kenetic tests, detailed receiving environment monitoring and tightening up of mining practices (hydrology and waste disposal methods) was started before the 2001 mining campaign. Mining usually occurs over a three to four month period and using a mobile radial telescoping stacker mounted on a barge. The ocean going 7500-8000 tonne barges are loaded for delivery to the Delta Cement Plant.

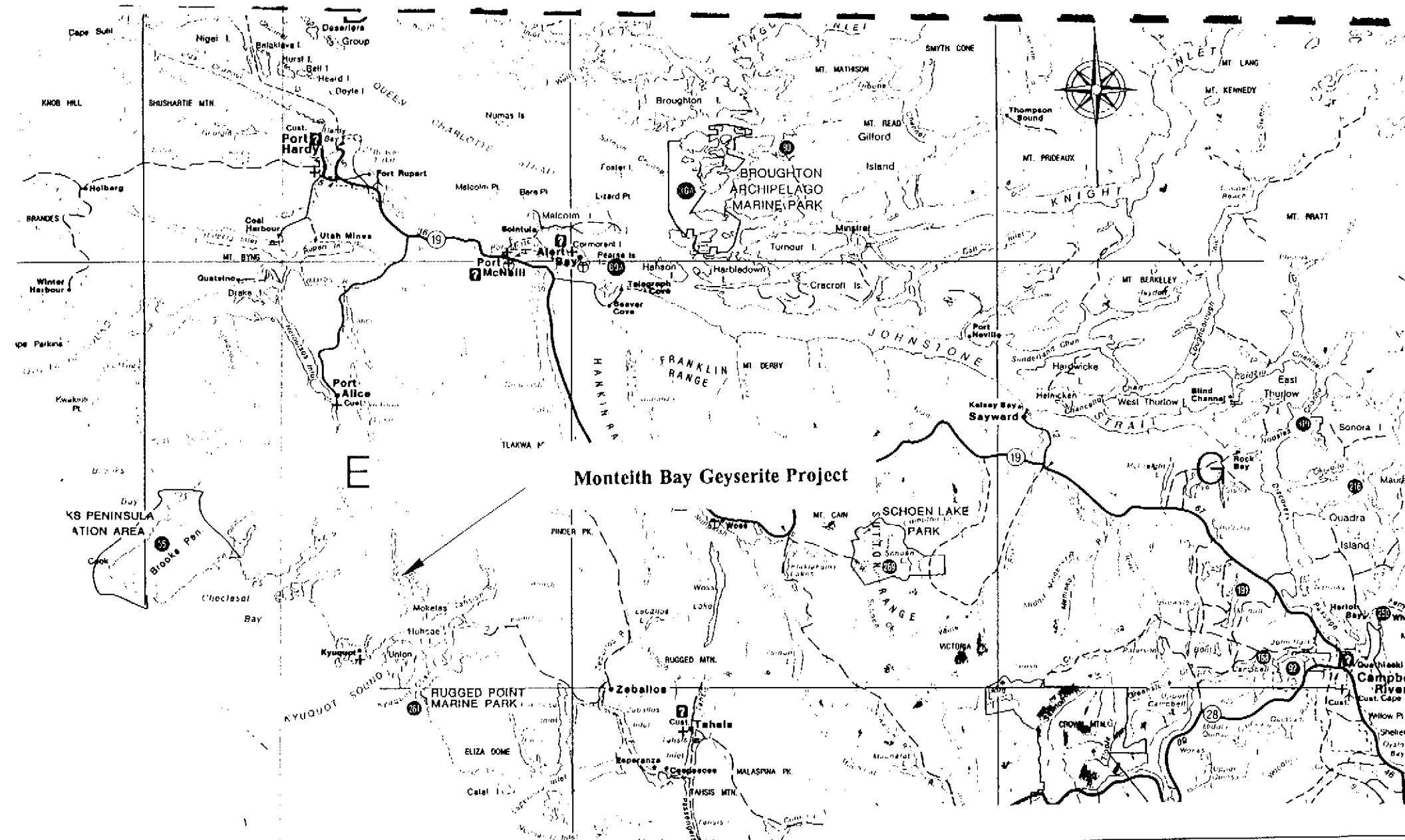


FIGURE 1-1 LOCATION MAP

MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

LOCATION MAP

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:800,000
WORK BY J. T. Shearer, M.Sc., P. Geo	FIGURE 1	

LOCATION and ACCESS

The quarry is located on the western shores of Monteith Bay between Kashutl and Easy Inlets. There is no road access to the property. Access is normally by boat from Fair Harbour (a distance of 15km) or from the mouth of the Artlish River (a distance of 16 km).

Mining crews often stay at the Friell Lake Camp operated by Dennis and Shirley Siemens a distance of 6 km from the quarry site. The only other settlements are the INTERFOR Logging Camp at Chamiss Bay and the largely native community of Kyuquot about 14 km from the quarry site.

Mining is seasonal and usually takes about 3 to 4 months of drill/blast/crush/barge load to produce approximately 40,000 tonnes of product. A mobile barge with a radial telescoping staking conveyor is used to load 7500 to 8000 tonne barges at the quarry site.

MINERAL TITLE

The quarry is within the mining lease 359157 as shown on Figure 2 and Table I, which is contiguous with the located claims Easy Three to Easy Eight.

TABLE I

List of Titles

Claim Name	Tenure #	Size	Units	Date Located	Current Anniversary Date*	Owner
Mining Lease	359157 (Too Easy)	15.75 ha		Issued 1998	Surface Area Tax Payable	Monteith Bay Resources Ltd.
Easy Three	314878		1	November 28, 1992	November 28, 2003	J. T. Shearer M. McLaren
Easy Four	315369		1	January 23, 1993	November 29, 2010	J. T. Shearer
Easy Five	315370		1	January 23, 1993	November 29, 2010	J. T. Shearer
Easy Six	391428	4N2W	8	December 14, 2001	November 29, 2006	J. T. Shearer
Easy Seven	326041		1	June 2, 1994	November 29, 2010	J. T. Shearer
Easy Eight	326042		1	June 2, 1994	November 29, 2010	J. T. Shearer
		Total 13 Units				

*with application of assessment work documented in this report

The lease is the surveyed former mineral claim Too Easy staked August 23, 1980 (359157), January 7 Lease Payment Date.

Mineral title is acquired in British Columbia via the Mineral Act and regulations, which require approved assessment work to be filed each year in the amount of $100 per unit per year for the first three years and then $200 per unit per year thereafter to keep the claim in good standing.

HOMEGOLD Resources Ltd

Monteith Area

Mineral Titles Layers

- Mineral titles outline (<1M)
- All Others

Topographic Layers

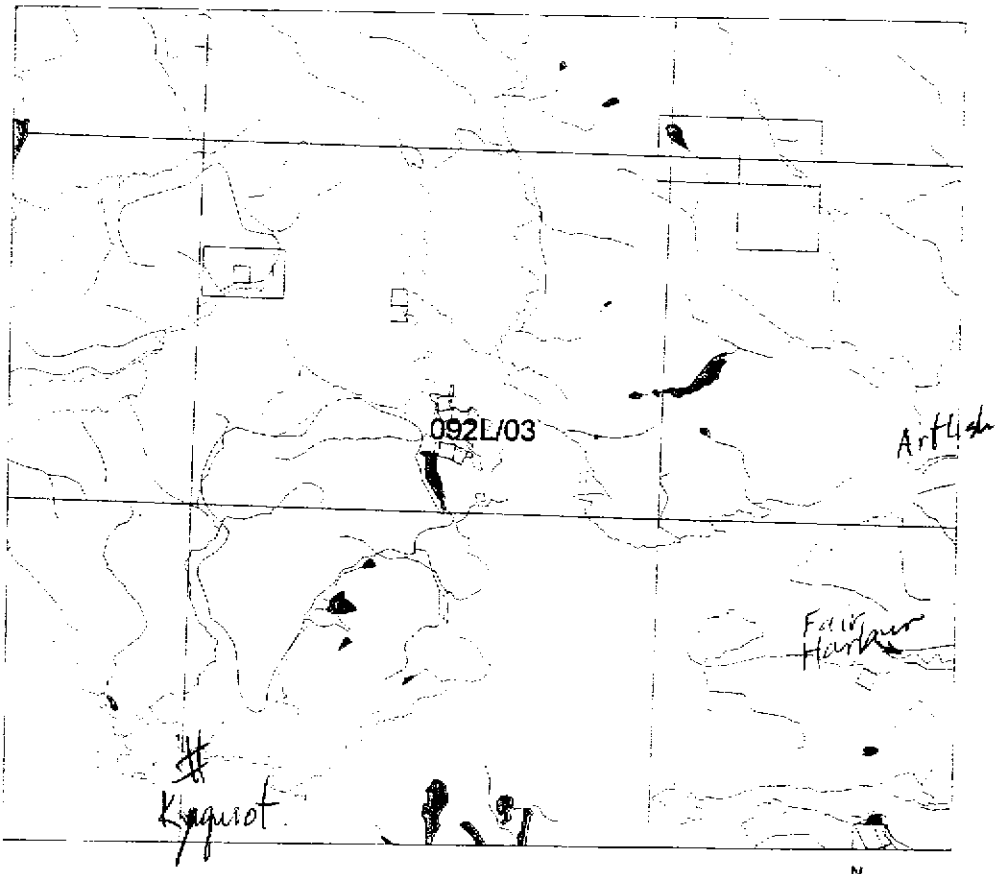
- Roads 1:250K (<2M)
- Lakes 1:250K (<2M)
- Rivers 1:250K (<2M)
- Border line 1:250K (<2M)

Grid Layers

- Grid 1:20K maps
- Grid 1:50K labels

Border Layers

- BC Border 1:250K (<1M)



SCALE 1 : 231,984

2 0 2 4 6

MILES

N

MONTEITH BAY RESOURCES LTD.		
MONTEITH BAY GEYSERITE QUARRY		
ACCESS MAP		
NTS 92L/3W	DATE Jan. 21, 2002	SCALE as shown
WORK BY J. T. Shearer, M.Sc., P. Geo	FIGURE 2	

http://ebony.gov.bc.ca/mapplace/maps/minpot/dep_find.m

Under the present status of mineral claims in British Columbia, the consideration of industrial minerals requires careful designation of the products end use. An industrial mineral is a rock or naturally occurring substance that can be mined and processed for its unique qualities and used for industrial purposes (as defined in the *Mineral Tenure Act*). It does not include "Quarry Resources". Quarry Resources includes earth, soil, marl, peat, sand and gravel, and rock, rip-rap and stone products that are used for construction purposes (as defined in the *Land Act*). Construction means the use of rock or other natural substances for roads, buildings, berms, breakwaters, runways, rip-rap and fills and includes crushed rock. Dimension stone means any rock or stone product that is cut or split on two or more sides, but does not include crushed rock.

EASY
SIX

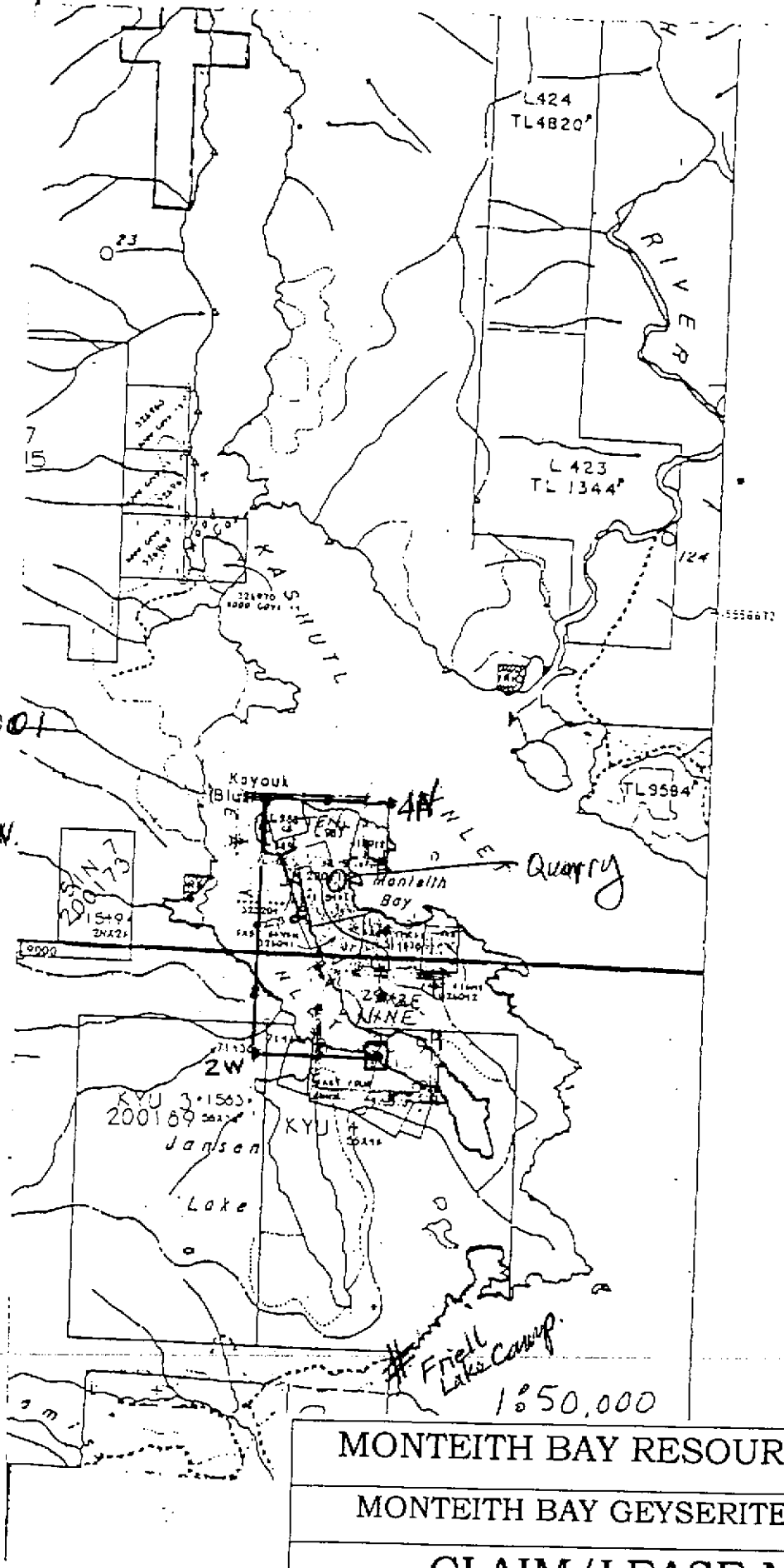
TAG # 239341

ocator J. T. Shearer

FMC 124452

ate December 14, 2001

Posts
N + Placed 4N, 4N 1W
2W 2N, 2W 3N.



ORIGINAL PRO

500 0 50

ADMINISTR

MINING DIVISIC

LAND DISTRICTS

ALIENATION

NO STAKIN

NO STAKING R.
PARKS
ECOLOGICAL R
RECREATION A
INDIAN RESERV

CONDITIONA

SUBJECT TO CL

SECTION 19 RE:

POST CLAIM A

AREAS SUBJECT
URANIUM / THO
REGULATIONS

MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CLAIM/LEASE MAP

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:50,000
WORK BY J. T. Shearer, M.Sc., P. Geo	FIGURE 3	

HISTORY

The claims covering the geyserite were staked in 1908. Nearby pyrophyllite deposits provided material for fire clay, pipe and other industrial uses for the B.C. Pottery Company and the San Juan Mining and Manufacturing Company from 1910 onward. The pilings of the pyrophyllite dock can still be seen on the south shore of Monteith Bay.

Comprehensive mapping of the deposits was completed in 1913 by C. H. Clapp of the Geological Survey of Canada, who suggested that the alunite and pyrophyllite may have been formed by hydrothermal replacement of volcanic rocks by ascending sulphuric solutions.

In 1952, the Crown-granted claims were purchased by St. Eugene Mining Corporation, who subsequently optioned the property to Westport Chemical Inc. during 1959-60. Drill testing was completed on the alunite-pyrophyllite zone, but these results are presently not available.

Two packsack holes were drilled to a depth of 25 feet in the alunite area by Falconbridge Nickel Mines, who acquired the property from ST. Eugene in 1962. No sample data are available, but drill logs note the presence of quartz, which was colliform-banded and crustified, containing disseminated pyrite in altered volcanics.

The Kyuquot syndicate was formed in 1970 as a joint venture between Falconbridge and MacDonald Consultants Inc. to explore the area for porphyry copper deposits. Mapping and soil sampling were completed near Easy Inlet.

Kennco Exploration staked claims over the Kayouk Peninsula-Jansen Lake area in 1972 and completed geological mapping and a rock geochemical survey. Analyses were completed for Mo, Cu, Zn, Pb, Ag, Au, Ni and Co with anomalous results being attributed to sulfides in quartz veins. C. S. Ney, in describing a siliceous bluff on the northwest side of Monteith Bay, suggested a similarity with 'geyserite' or siliceous sinter typical of hot springs activity.

The B.C. Gold Syndicate, supervised by J. T. Shearer explored the Easy claims in 1980 by prospecting, soil-sampling and geological mapping to better evaluated the intense alteration zones as defined by the areas of pyrophyllization-alunite. No geochemically anomalous response was reported from the rock or soil sampling. The Too Easy claim was located at this time.

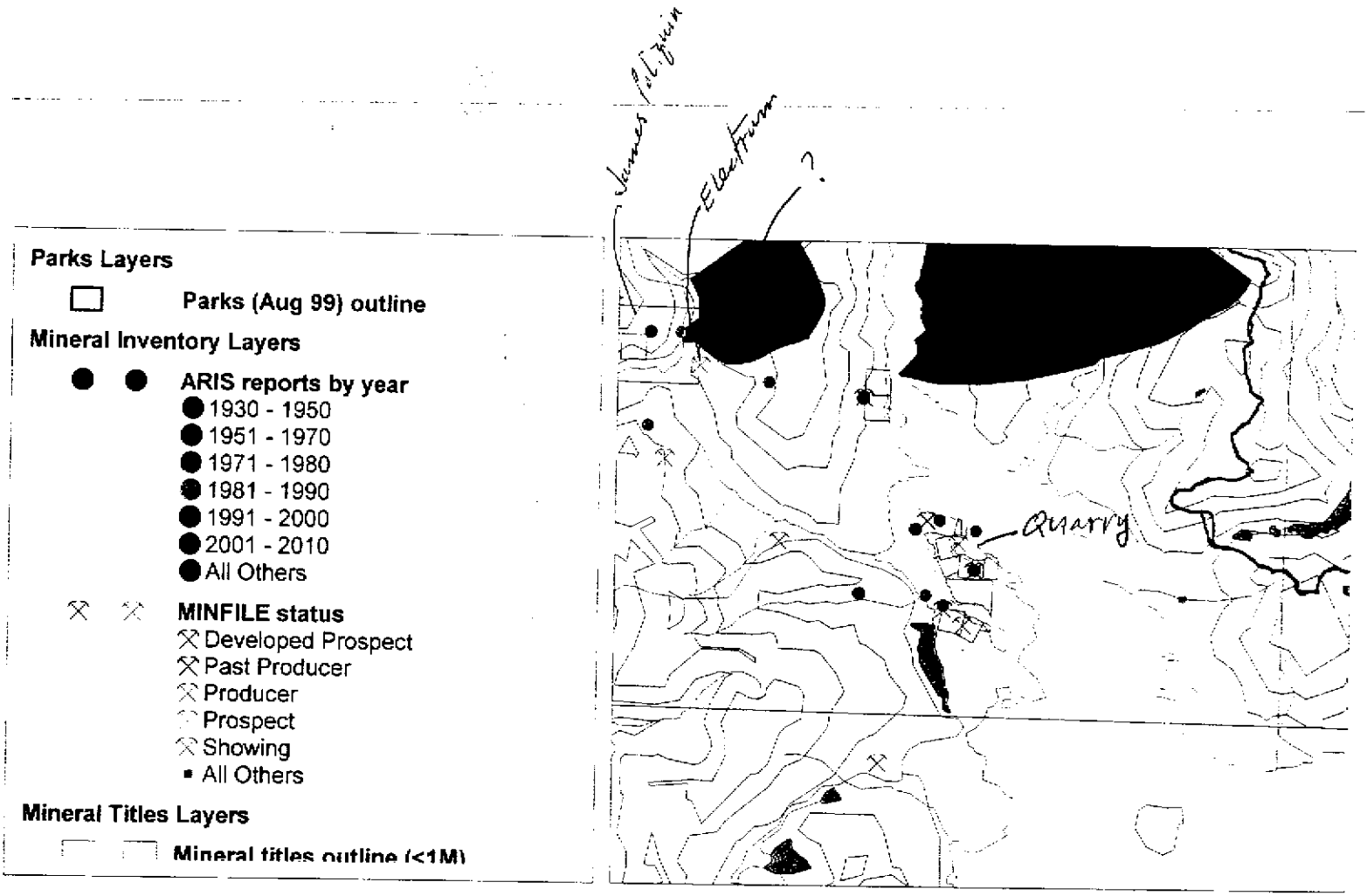
Semco completed an examination of the Falconbridge property and Easy Inlet areas in 1980 as part of a program on three pyrophyllite occurrences in the area.

A preliminary report for Falconbridge Nickel Mines Ltd. was completed by Mr. G. Albino in June 1982 covering historical, exploratory and geological data from past examinations and including geological mapping and geochemical sampling as completed by Mr. Albino and Mr. C. Niles in June 1982.

In 1983, 1,066 metres of diamond drilling in seven holes were completed by Falconbridge, in joint venture with Cal Denver Resources Ltd., on the northern tip of the peninsula. Detailed mineralogical and petrographic studies on the drill core delineated two recognizable alteration zones: (1) a quartz, alunite, pyrophyllite, kaolinite zone to a depth of approximately 140 metres below sea level (low pH zone)

HOMEGOLD Resources Ltd

Monteith Area



MONTEITH BAY RESOURCES LTD.		
MONTEITH BAY GEYSERITE QUARRY		
REGIONAL GEOLOGY		
NTS 92L/3W	DATE Jan. 21, 2002	SCALE as shown
WORK BY J. T. Shearer, M.Sc., P. Geo	FIGURE 4	

http://ebony.gov.bc.ca/mapplace/maps/minpot/dep_find.mw

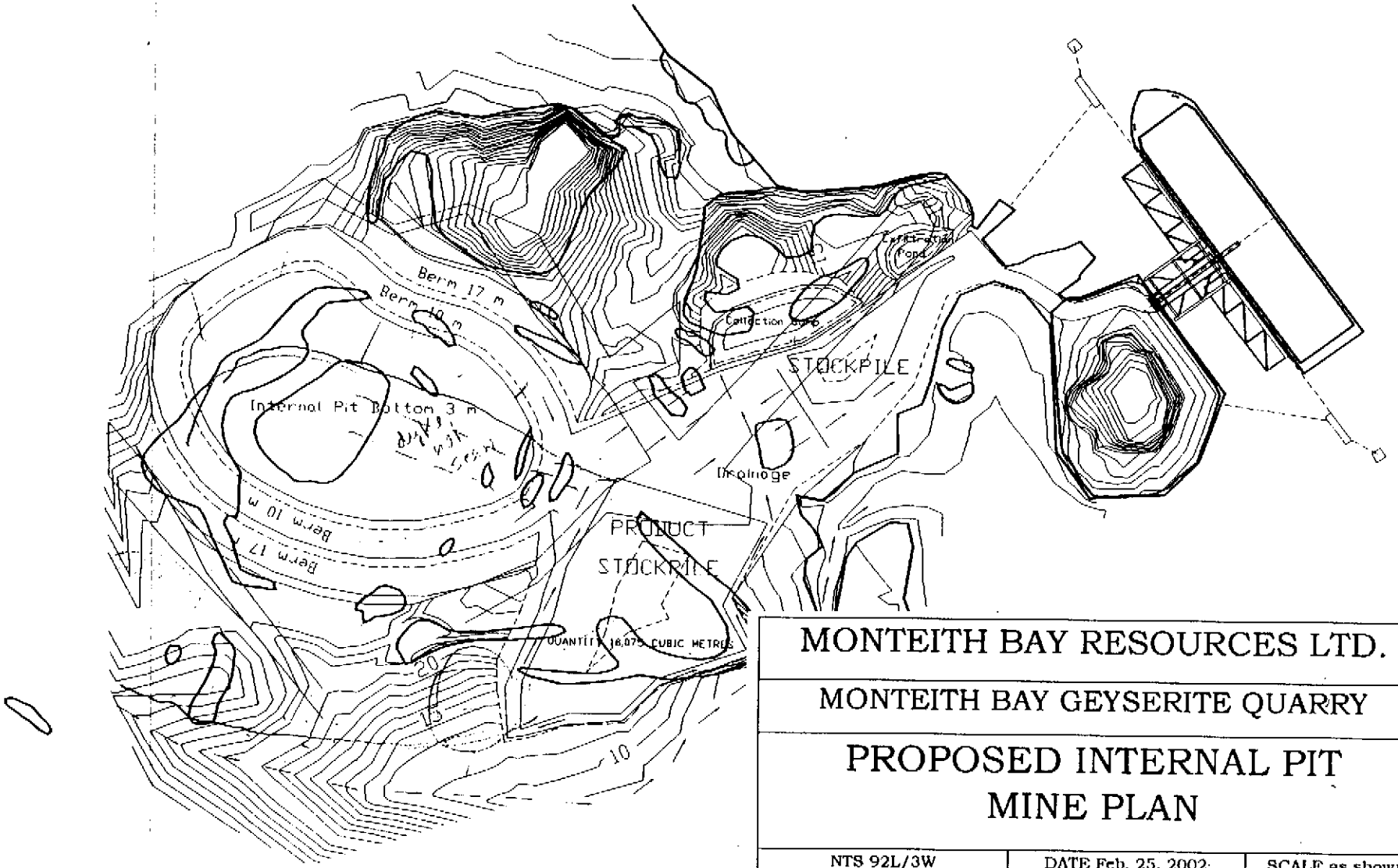
and (2) a gypsum with lesser anhydride zone below. An airborne geophysical survey of 128 line kilometres (3-frequency electromagnetics, magnetometer and VLF-EM) was carried out by Aerodat Ltd. in May 1985. The general magnetic trend appears to be east-northeasterly with several north-south orientations suggesting later structural overprinting.

Monteith Bay Resources Ltd. initiated the purchase of the Too Easy claim in 1992 and completed detail geological mapping and sampling in November 1992 to January 1993. Accurate topographic surveying, hydrographic survey of Monteith Bay, biological study of the area and detail diamond-drilling were done between January and March 1993. A 9,000 tonne bulk sample and further diamond drilling was done between March and July 1993. The cement plant processed the geyserite during August and September 1993. A large volume of information is now available on the characteristics of the geyserite with respect to an industrial size trial on grindability, power consumption of the roller mills, abrasion, feed handling, burnability, consistent chemistry and ultimately the strength of cement and customer satisfaction.

Geological mapping was on a remeasured baseline and grid lines established in 1984. The 1,050 metre baseline trends 320° from the south boundary of the Too Easy claim to the tip of the peninsula about 500 metres north of the northern claim line. The cross-lines trend at 230° at 75m intervals with stations at 25 metres. Accurate topographic contours were measured with a transit and EDM unit and compiled at a scale of 1:500 by Wright Parry Taylor & Fuller, B.C. land Surveyors and Consulting Engineers using 1 metre topographic contours.

In 2001, topographic pick up was completed on October 10 by Western Survey Service Ltd. of Campbell River using a 0.5 metre topographic contour. A final pick up will be done after the last barge is loaded in early 2002.

APPENDIX - GEOLOGY ON INTERNAL PIT



MONTEITH BAY RESOURCES LTD.		
MONTEITH BAY GEYSERITE QUARRY		
PROPOSED INTERNAL PIT MINE PLAN		
NTS 92L/3W	DATE Feb. 25, 2002	SCALE as shown
WORK BY J. T. Shearer, M.Sc., P. Geo	FIGURE 5	

REGIONAL GEOLOGY

Comprehensive geological mapping of Northern Vancouver Island was carried out during the late 1960's, the bulk of it by Dr. Jan Muller of the Geological Survey of Canada with major assistance by Dr. Kenneth Northcote of the B.C. Department of Mines. The results of their mapping are summarized on G.S.C. Map 1552A. More recently, mapping was carried out on map sheets NTS 97L/12 and 92L/11W by Hammock, J. L. et. al. in the 1990's. The results of this work, which was produced by the Geological Survey Branch of the British Columbia government is available in both digital and hard copy formats at a scale of 1:50,000.

The basement upon which the rocks of northern Vancouver Island were laid down is probably of Middle to Upper Paleozoic Age. At the time of deposition, the landmass, which now makes up Vancouver Island, was located in the equatorial regions of the Pacific Ocean. It consisted of felsic to basic volcanics and associated carbonates deposited in a submarine environment (Sicker Group Rocks).

In Upper Triassic time (about 200 million years ago), these basement rocks were covered by a series of pillow lavas and flows largely of basaltic composition. Total thicknesses extruded probably exceed 2400 metres. These rocks are known as the Karmutsen Formation.

Following this period of basaltic volcanism, carbonate rocks (the Quatsino Limestone) accumulated to thicknesses of about 300 metres, although a much thinner section appears to be the rule north of and south of the type section at Quatsino Narrows.

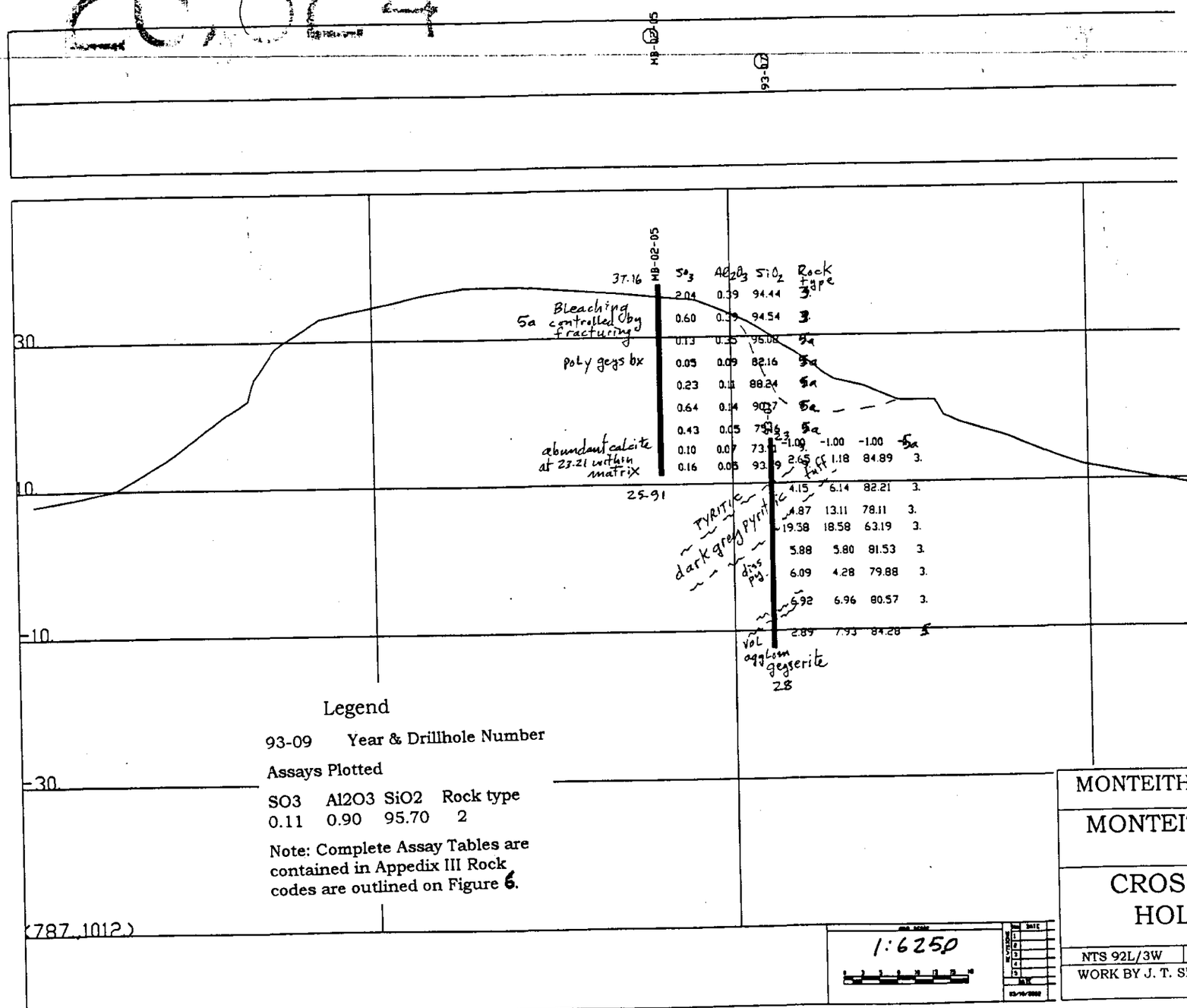
Above the Quatsino there is generally found a clastic section of which appears to be of slightly different age and of varying composition in different parts of northern Vancouver Island. Depending on age, composition and location, it is known as the Parson Bay Formation or the Harbledown Formation. The Parson Bay is somewhat calcareous and of upper-most Triassic age while the Harbledown is more argillitic and of lower-most Jurassic age. Above the sedimentary section are the Jurassic Bonanza Volcanics, an assemblage of flows, tuffs and fragmentals largely of andesitic composition, but with minor basaltic and rhyodacitic sections.

During and after eruption of the Bonanza Volcanics, granitic bodies were emplaced within the Karmutsen-Quatsino-Bonanza sequence. These bodies ranged in size from dykes and small plugs to masses of batholithic proportions. Some of these intrusives formed the underground reservoirs, which broke through to surface to deposit the Bonanza Volcanics.

Reaction between these very hot, high-level vent zones and circulating groundwater and seawater led to the development of numerous zones of highly altered rock, within or adjacent to which are copper-gold-molybdenum deposits. The alteration zones are generally characterized by the presence of large amounts of silica, clay minerals, pyrite, pyrophyllite and laumontite. Of the various alteration zones, perhaps 90% are located in the belt immediately north of Rupert and Holberg Inlets particularly in the vicinity of the PEM100 Quarry and Pemberton Hills, which are about 40 miles north of Monteith Bay.

At some time during the latter part of the Jurassic, following a long period of northward drift, the Vancouver Island – Queen Charlotte Islands – Southeast Alaska terrane, apparently somewhat fragmented, collided with and fused to the North

26824



LEGEND

MONTEITH BAY QUARRY

- 9 Hematitic Volcanic Breccia, red fine grained matrix containing lapilli fragments
- 8 Andesite dyke; dark green
- 7 Diorite Dykes, dark green with small mafic phenos
- 6 Siliceous Volcanic Agglomerate
  Commonly close packed fragments
- 5 Geyserite (Siliceous rhyolite)
  highly fractured, vuggy, slickensides common
  - 5a Light grey to white geyserite breccia, polymictic
  - 5b White, fine grained geyserite (tuff)
  - 5c Light grey to purple geyserite
  - 5d Welded geyserite tuff, flow banded
- 4 Geyserite, dark grey, fine grained, possibly altered
- 3 Clay silica alteration,
  advanced argillic (Acid sulphate) overprinting
- 2 Altered pyritic andesite (lower Unit)
  crudely layered tuff
- 1 Hematitic volcanics

Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 6.

1:625

MONTEITH BAY RESOURCES LTD.

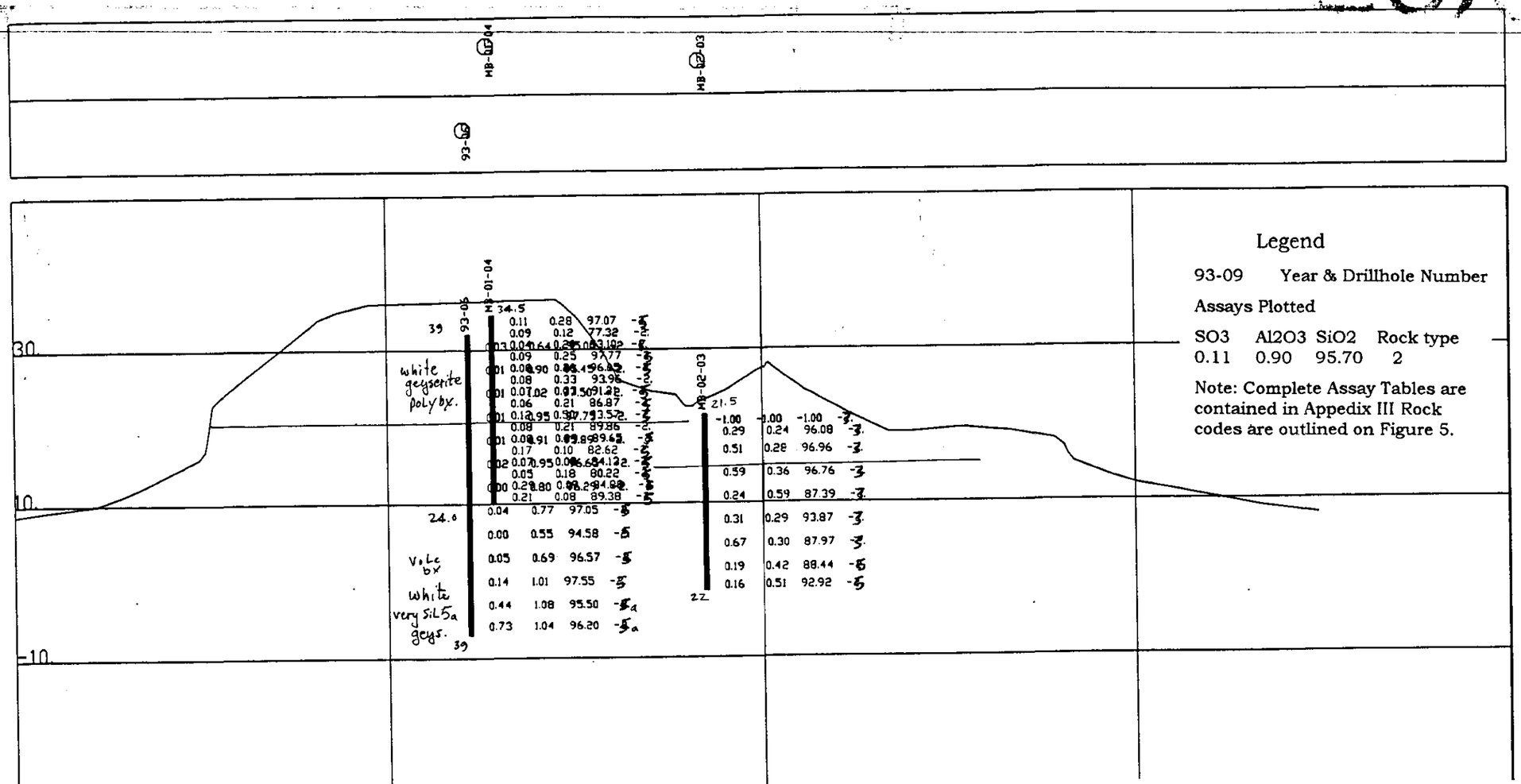
MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 220 – HOLES 01-05, 93-7

1:625

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 7

a



Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 5.

MONTEITH BAY RESOURCES LTD.

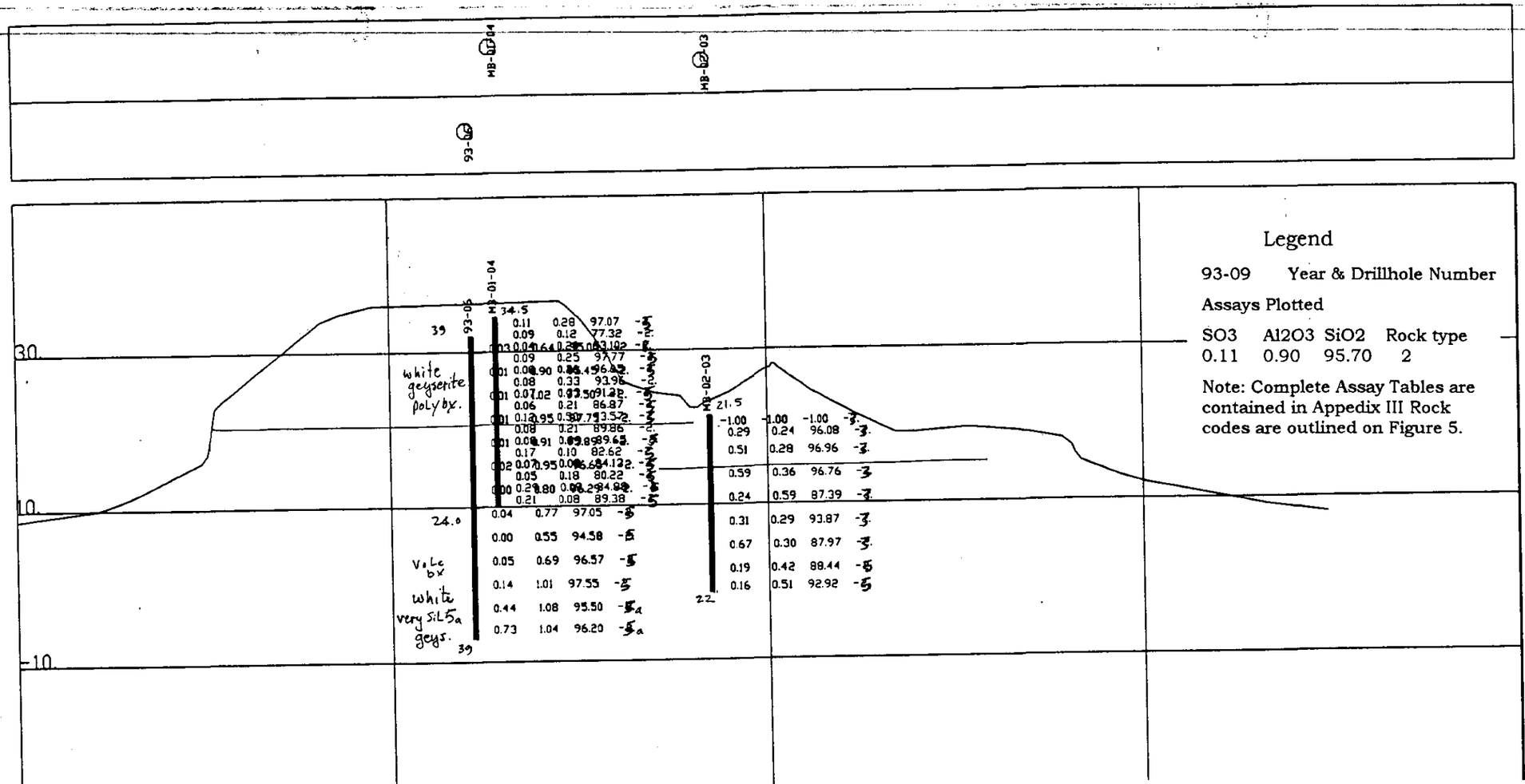
MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 200 – HOLE 02-03, 93-06, 01-04

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 8

(b)

American Continent. Following this accretion, and a general elevation of the landscape probably caused related to the mechanics of collision, highland portions of the terrane were eroded into basinal areas, forming continental transgressive sandstones of Cretaceous age, which included numerous coal measures, those of the Nanaimo basin being most notable. One of the small Lower Cretaceous basins of sandstone extends from the western edge of the Island Copper Mill area to the vicinity of Apple Bay, Quatsino Sound, approximately 50 km north of Monteith Bay.



Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 5.

1:6250

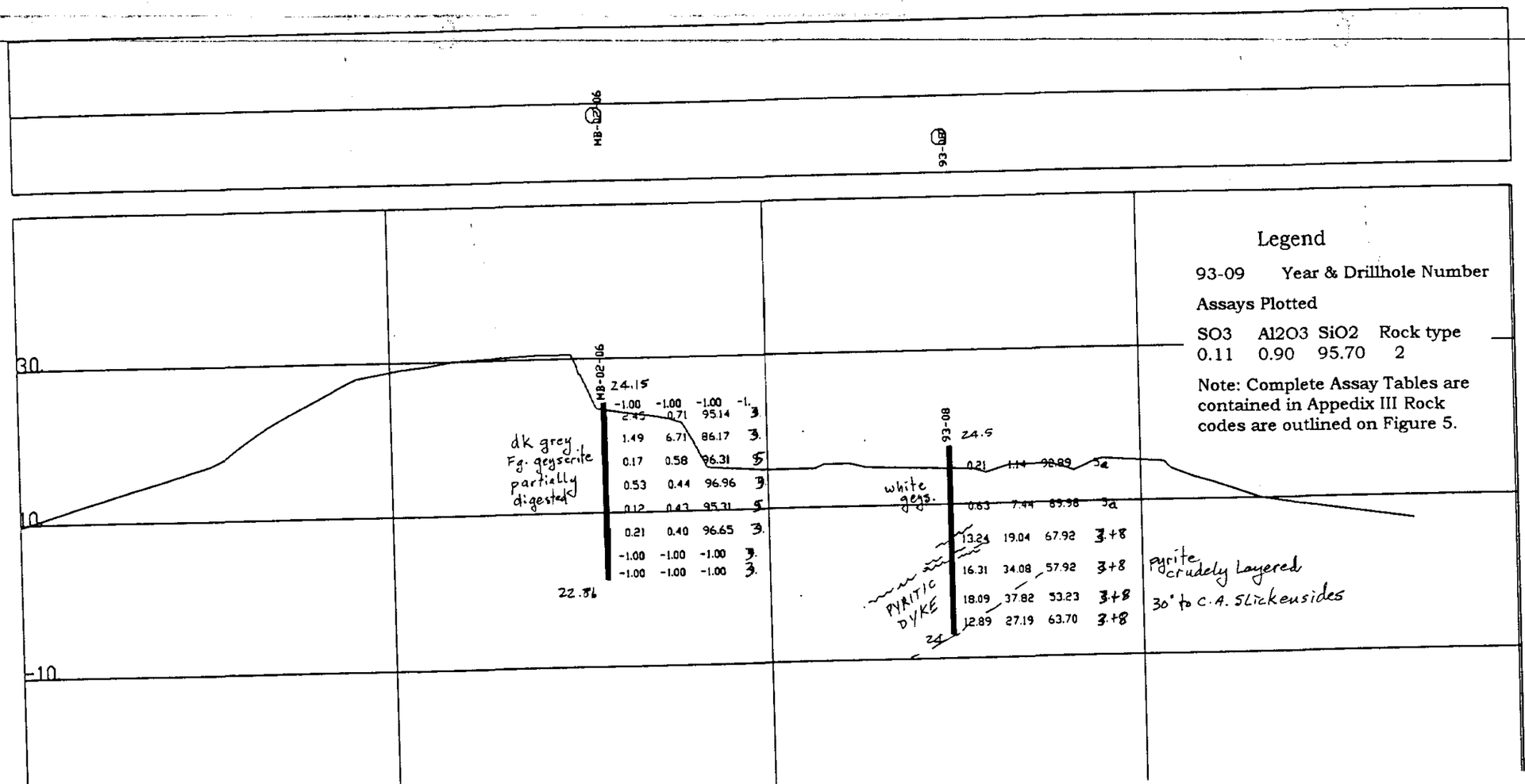
MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 200 – HOLE 02-03, 93-06, 01-04

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 8

(C)



Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 5.

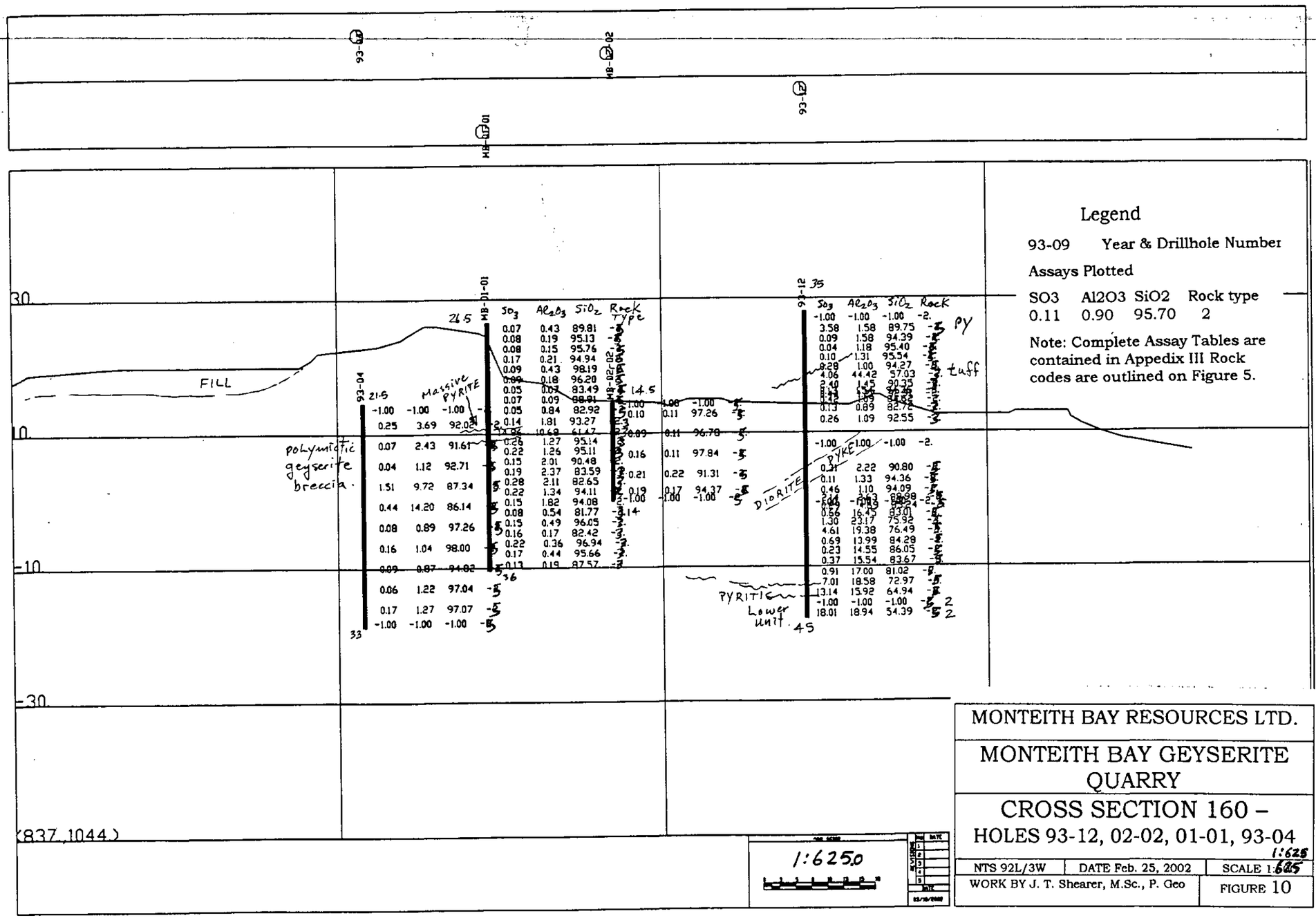
MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 180 – HOLES 02-06, 93-8

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 9

d



Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 5.

MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 160 – HOLES 93-12, 02-02, 01-01, 93-04

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 10

1:625 (e)

LOCAL GEOLOGY

The geyserite deposit consists mainly of replacement silica normally in a concentration greater than ninety-six percent SiO_2. It is a paleo-hotsprings deposit of variable thickness, originally of gently dipping bedding, now somewhat faulted, bent and dipping to the east-southeast at about 10°. Surface samples were taken systematically over the area and cores were taken from drill holes to determine the extent of the deposit. The correlation and analysis was done by the Tilbury Cement laboratory and Chemex Labs Ltd.

Muller et. al. (1974) have measured the stratigraphic section of the Bonanza volcanics, both mafic and felsic, indicating an average thickness of 2,500m. Rhyodacite and siliceous units in the Kyuquot Sound area appear often as welded tuffs.

The Kashutl Inlet intrusive suite is one of a small linear set of plutons, which have been emplaced near surface, within related volcanics and pyroclastics.

The volcanics in the Monteith Bay area consist mainly of porphyritic andesite with hornblende and plagioclase phenocrysts in an often siliceous, aphanatic groundmass. Frequently amygdaloidal flows occur and flow breccias are observed commonly in more mafic units. Felsic rocks located on the west shore of Kayouk Peninsula are generally limited in occurrence, appear to be banded, containing quartz phenocrysts and possibly fragments of pumice. The geyserite deposit appears to be on of these felsic sheets.

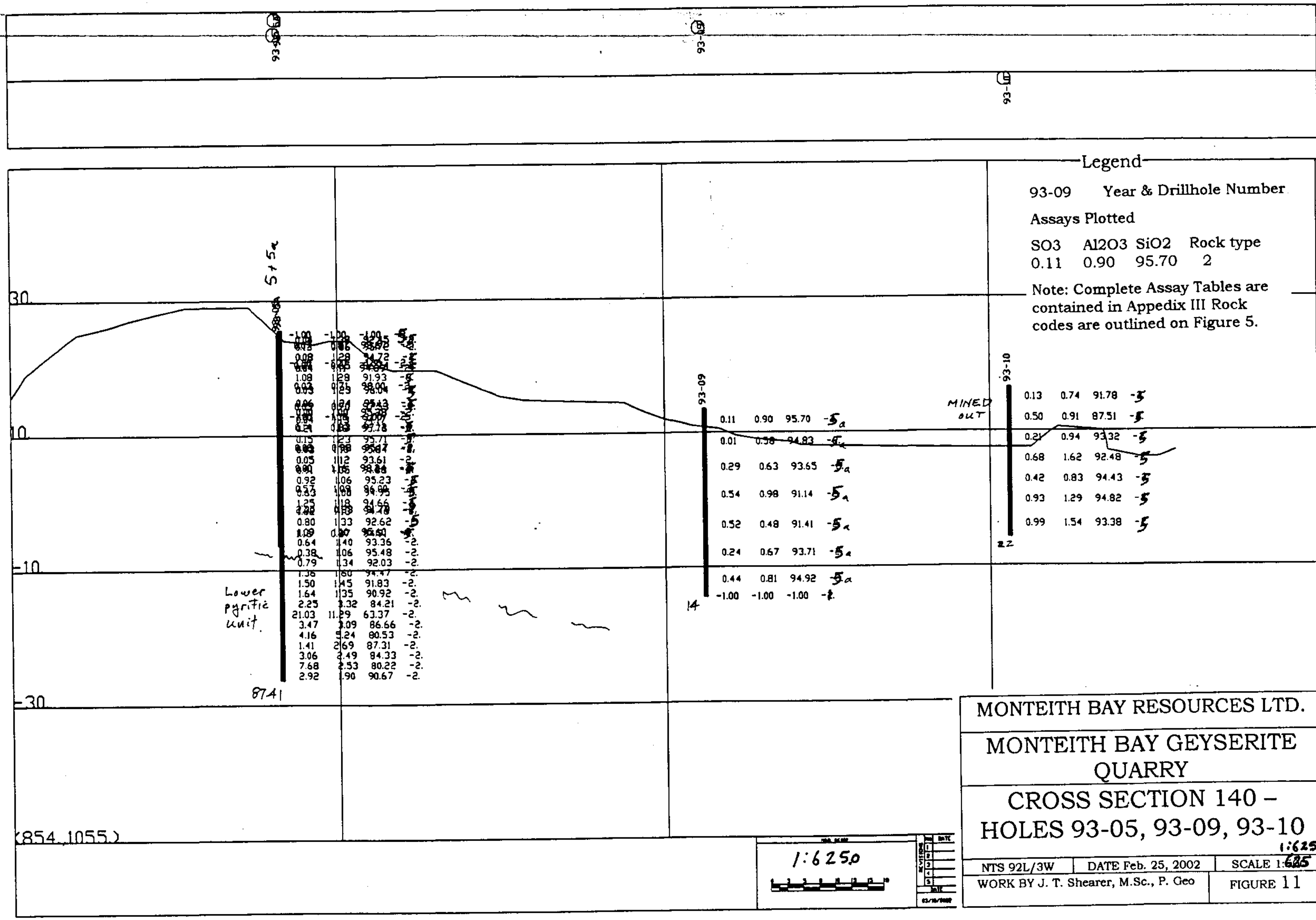
Late intrusive rocks occur as fine-grained porphyritic andesite to dykes and sills with a dark grey-green groundmass. These dikes are usually discordant to the bedding within the general area.

Geological mapping is plotted on figure 6 (in pocket), and on cross sections (Figure 7-15) at 20m intervals from 60m to 220m.

Narrow dark green, fine grained andesite dykes were observed in the western part of the area striking 104° and dipping 78° to the north. Bright apple-green massive sericite is associated with alteration of the margins the dykes between holes 93-7 and 93-8.

Now that mining has progressed and sufficient rock has been exposed, it is apparent that small pyritic zones of "less altered" and "partially digested" geyserite are situated between holes 93-9 and 93-6. These pyrite zones are now well exposed and intersected by drill holes MB-01-01, MB-02-03 and MB-02-06. This material is of particular concern since it carries elevated sulphur values.

The lower pyritic unit is exposed on the small peninsula on the east side of the deposit at an elevation just below mean tide level. This lower vaulted contact dips approximately 10° to the east-southeast between holes 93-12 at an elevation of -5m to hole 93-13 at -15m elevation. However, the lower pyritic unit in Hole 93-08 is at +11m elevation and dips about 20° east toward Hole 93-12. Clearly there are local variations. Current exposures suggest that the lower pyritic unit has been faulted up in the eastern part of the deposit. A junction of several faults can be observed in the vicinity of hole 93-03 and 93-02 (above and north of the present settling ponds).



MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 140 – HOLES 93-05, 93-09, 93-10

NTS 92L/3W | DATE Feb. 25, 2002 | SCALE 1:625

WORK BY J. T. Shearer, M.Sc., P. Geo | FIGURE 11

30

10

-10

-30

(871,1065)

Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 6.

1:625.0

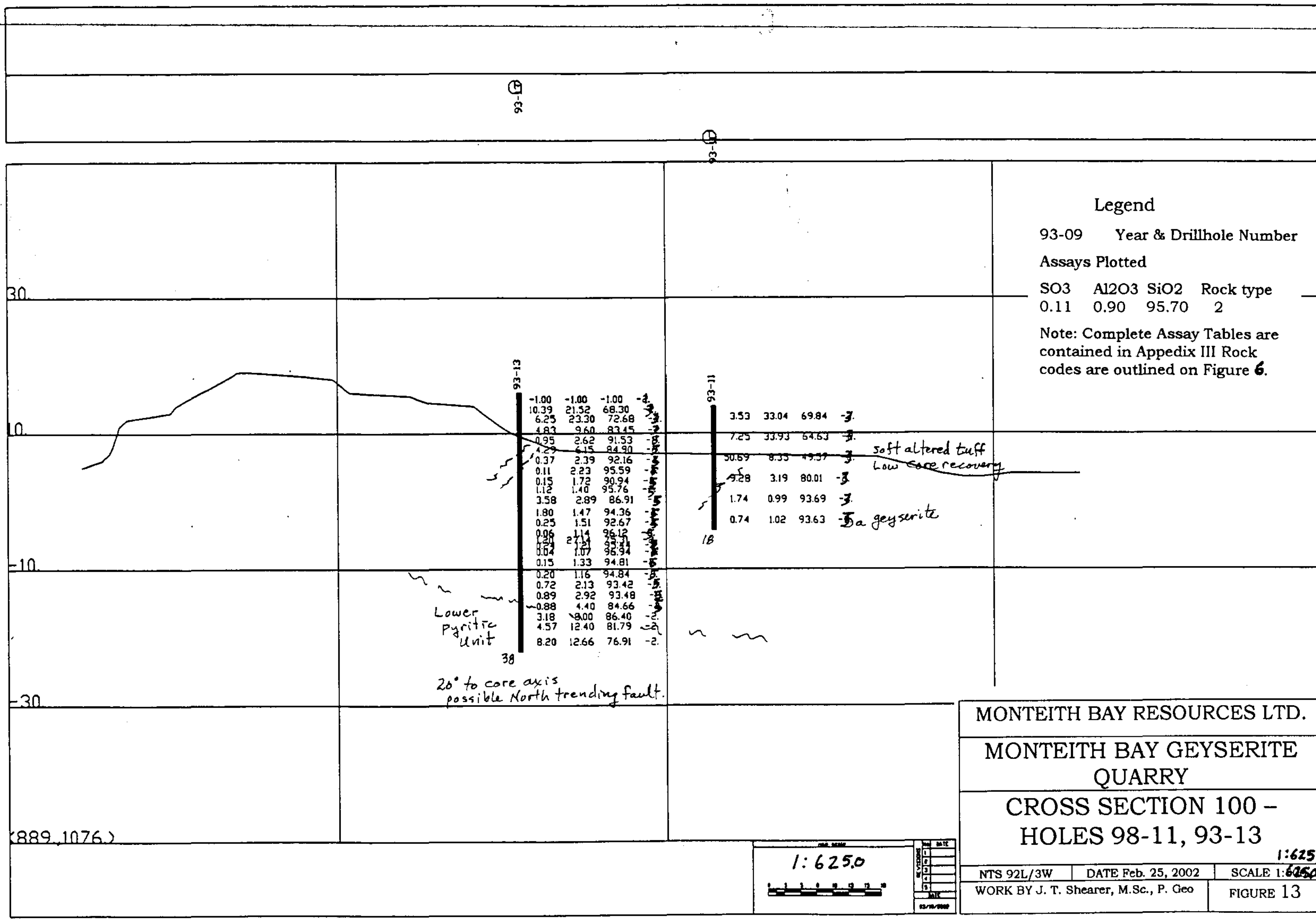
MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 120 – NO HOLES

1:625 (9)

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625.0
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 12



MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 100 – HOLES 98-11, 93-13

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:6250
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 13

1:625

(h)

93-09 93-01

Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 6.

30.

10.

-10.

-30.

(905, 1086.)

93-02

-1.00	-1.00	-1.00	-2.
4.86	22.48	72.19	-3.
4.17	20.24	66.92	-3.
7.67	24.49	71.64	-3.
6.66	23.47	72.31	-3.

16

14

pyrophyllite alt tuff

alt. tuff

High K (sericite)

complex faulting

93-01

-1.00	-1.00	-1.00	-3.
4.91	19.90	53.81	-8
0.21	1.56	93.54	-5
-1.00	-1.00	-1.00	-2.

8

23

diorite dyke 5'-24'

geyserite

1:625.0

MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 80 – HOLES 93-01, 93-02 1:625

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 14

i

93-36

30

10

-10

-30

(922,1097)

93-03

14.5
-1.00 -1.00 -1.00 -1.
7.59 22.19 72.21 -3
4.55 12.68 82.73 -3
6.02 13.05 80.40 -3
1.75 2.82 88.05 -3
0.17 1.67 94.79 -5
2.63 3.75 87.41 -5

alt tuff bx
siliceous tuff bx
white geyserite
20° CA slickensides

16.76

Legend

93-09 Year & Drillhole Number

Assays Plotted

SO3	Al2O3	SiO2	Rock type
0.11	0.90	95.70	2

Note: Complete Assay Tables are contained in Appedix III Rock codes are outlined on Figure 5.

1:6,250

MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

CROSS SECTION 60 – HOLE 93-03

1:625 (j)

NTS 92L/3W	DATE Feb. 25, 2002	SCALE 1:625
WORK BY J. T. Shearer, M.Sc., P. Geo		FIGURE 15

The central lense of "less altered" and "partially digested" geyserite is partly controlled by a series of arcuate steeply dipping north trending fractures and faults. This series of faults was not exposed sufficiently before mining to be recognized in 1993. As plotted on Figure 6 (in pocket) the north trending faults juxtapose zones of clean geyserite with lenses of pyritic material. Parts of these pyritic zones contain semi-massive pyrite up to 30cm thick, which, in some cases, dip at about 40° to the north.

A good example of the "partially altered" geyserite occurs in hole MB-02-05 from 0 to 6.90m. The bleaching is controlled by fracturing alternating with short sections of "unaltered" pyritic material.

PETROLOGY

Rocks in the general Easy Inlet area are altered to various degrees, with prophylitic, silicic and advanced argillic zones present. The lack of structural control of associated large intrusions and overall distribution of the alteration assemblages suggest that the silicification took place contemporaneously with volcanism before significant structural dislocation. The sericite-rich alteration in Monteith Bay appears to correlate directly with the emplacement and shearing of the later andesite dykes. The presence of chalcedonic silica, alunite and pyrophyllite indicate a probable near surface origin for the main phase of alteration.

Diamond drilling (refer to Figure 5 for hole locations) demonstrates the continuity and purity of the geyserite material. A typical geyserite analysis (by Chemex Labs) for major elements is as follows:

Al_2O_3 %	CaO%	Cr_2O_3 %	Fe_2O_3 %	K_2O %	MgO %	MnO %	Na_2O %	P_2O_5 %	SiO_2 %	TiO_2 %	Loss on Ignition	Total
1.02	0.13	<0.01	0.34	0.26	0.04	<0.01	0.05	0.09	95.60	0.24	2.00	100.0

Nine thinsections were collected in 1993 and have been examined to give a more comprehensive background on general rock types and alteration.

DIAMOND DRILLING

The Monteith geyserite deposit was initially diamond drilled with 14 holes totalling 414.38m (1359.5 ft), in 1993 and then again with fill-in holes in December 2001 and January 2002 as shown in Table II.

TABLE II

Diamond Drilling Data

Hole #	Northing	Easting	Dip	Azimuth	Length	Elevation from Cross Sections	Remarks
						Sea level @ 3m	
MB9301	994	955	-90	000	23.32 (76.5 ft)	8m	on section 100m
MB9302	1015	945	-90	000	14.94 (49 ft)	16.0m	on section 140m, Pyritic, fragmented
MB9303	1031	872	-90	000	16.76 (55 ft)	14.5m	on section 80m
MB9304	1002	871	-90	000	33.22 (109 ft)	21.5m	on section 22m + 200m
MB9305	1024	881	-90	000	31.39 (103 ft)	32m	on section 180m on second knob
MB9306	969	832	-90	000	39.01 (128 ft)	39m	on section 240m
MB9307	925	846	-90	000	28.35 (93 ft)	23m	on section 280m
MB9308	926	881	-90	000	24.38 (80 ft)	24.5m	on section 220m
MB9309	969	916	-90	000	27.89 (91.5 ft)	20.5m	on section 180m Lower pyritic unit
MB9310	925	934	-90	000	22.25 (73 ft)	23.5m	on section 160m Southwest corner
MB9311	980	937	-90	000	18.29 (60 ft)	21.0m	on section 140m
MB9312	940	900	-90	000	45.72 (150 ft)	35m	on section 200m
MB9313	1009	928	-90	000	37.03 (121 ft)	23m	on section 180m
MB935A	1025	883	-90	000	51.82 (170 ft)	32m	on section 180m on second knob
			Total 414.38m (1,359.5 ft)				
No holes on 300m, 260 section, 120m, 60, 40, 20, 0						Transit Survey	
MB0101	987	869	-90	000	36.88 (121 ft)	26.56 approx.	on section 220m
MB02-02	963	889	-90	000	14.02 (46 ft)	14.94	
MB02-03	947	856	-90	000	22.86 (75 ft)	22.06	
MB-01-04	972	843	-90	000	24.88 (82 ft)	38.22	
MB-02-05	940	841	-90	000	25.91 (85 ft)	37.16	
MB-02-06	967	860	-90	000	22.86 (75 ft)	24.15	

Total 2001 & 2002 147.52 (484 ft) Grand Total 561.9m (1843.5 ft)

Diamond drilling was initiated in four phases, during February and July 1993 and December 2001 and January 2002. Drill logs are contained in Appendix III and plotted on cross-sections, Figures 7-15. The recent diamond drill core is stored in Port Coquitlam. The geyserite deposit is cut by a gently westerly-dipping fault zone, which outcrops east of section 0 (Figure 5) and was intersected in several drill holes to the west. This fault separates typical geyserite from pyritic coarse volcanic tuff and

agglomerate. Minor irregularities in this lower fault contact occur on the south side of section 20 and have been exposed by excavating in the MB93-03 hole area. Hole 93-3 was drilled along the apex of two intersecting faults, which thrust the pyritic volcanic unit into a higher elevation.

Late-stage andesite dykes are common in the area between cross-sections 60 and 120 (Figures 12-15). Intense apple-green massive sericite has altered the margins of the widest dykes. The narrow widths of geyserite and the requirements of having a stockpile area for the first few years of mining suggest that the part of the deposit between sections 0 to 120 will not be mined until later in the quarry life.

Oblique sections have been plotted to give an overview of the deposit. A small area of pyritic material occurs near surface in the vicinity of hole 13 (plotted on section 100). Narrow dykes have been emplaced along the southern and northern margins of the deposit and are reflected by small gulleys in the present topography.

The geyserite deposit dips easterly under hematitic volcanics west of section 300 at an angle of about 10°.

ORE RESERVES

Geological reserves were calculated in 1993 using the diamond drillholes plotted on cross-sections spaced 20 metres apart using the formula:

$$\text{tonnes} = (A + B + AB \times H/3) \cdot SG$$

where A = Area in square metres of section A
B = Area in square metres of section B
H = Perpendicular distance between sections
SG = Specific gravity of geyserite (2.53) – (perhaps as low as 2.49)

Table III shows the calculated tonnage for differing elevations, which includes dyke material.

TABLE III

1993 Geological Reserves Calculations from section 40m to 300m

Sections	Depth	Volume Cubic Metres	Tonnes	Tons (million)
40-300	+3m	566,752	1,433,833	1.6
150-300 Pit A	+3m		1,183,475	
40-300	0m	674,956	1,707,639	1.9
40-300	-3m	782,991	1,980,967	
150-300 Pit A	-3m		1,708,369	2.2
40-300	-6m	890,961	2,254,130	2.5

Using the fill-in diamond drilling of Dec. 2001 and Jan. 2002 a revised ore reserve was calculated using new sections, using a block model created by John Nilsson, P. Eng. A tonnage calculation using a 30 metre horizontal search rolling average gives 174,000 tonnes of geyserite above the 15m elevation grading <0.5% SO_3, which includes 5,000 tonnes of >0.5% SO_3. At a mining rate of about 40,000 tonnes per year this gives over 5 years production.

CONCLUSIONS

Fill-in Diamond drilling was completed at the active Monteith Bay Geyserite Quarry in December 2001 and January 2002 to give further definition to the ore reserve with special reference to sulphur values. Assaying on the 93 drill core did not give accurate enough sulphur values to be used in current Acid Rock Drainage/Metal Leaching (ARD/ML) calculations.

Considerable expense was incurred mitigating the ARD/ML concerns from the 2000 mining program. Limestone was brought in to create a barrier to water flows to the South Bay. The redirected water was put through two settling ponds treated with coarse limestone. The resulting pit has been elevated to safe values and metal leaching curtailed.

Revised ore reserves have been calculated using the new drill information, more detailed geological mapping and a corrected topographic map. A computer block model has been constructed of all the data. Averaging within the block model has been limited to a relatively short search radius due to the concern of defining sulphur rich zones that can be selectively extracted and sent for waste.

Respectfully submitted,

J. T. (Jo) Shearer, M.Sc., P.Geo.
January 21, 2002

RECOMMENDATIONS

Based on the fill-in diamond drilling completed in December 2001 and January 2002 the following program should be completed:

1) Provide access to the orphaned mini-bench west of hole MB-01-01.

2) Complete a 2002 Mine Plan with specific areas to be mined to provide 40,000 tonnes for 2002 season averaging as low in SO_3 as possible.

3) Complete Kenetic ARD/ML tests, including mine wall stations and receiving environment monitoring.

4) Monitor ARD mitigation by limestone trench and settling ponds.

5) Mine to the 10m level on the northern knob to create a depression to store future waste rock.

Respectfully submitted,

J. T. (Jo) Shearer, M.Sc., P.Geo.
January 21, 2002

REFERENCES

Band, R. B., 1971:
Geochemical Report on the Easy, On, Bp and BW Claim Group, B.C. Department of Mines Assessment Report 2008.

British Columbia Minister of Mines, Annual Report, Geology, Exploration and Mining in British Columbia: 1971 p. 316, 1973 pp. 256, 552.

Carson, D. J. T., 1973:
The Plutonic Rocks of Vancouver Island, Geological Survey of Canada Paper 72-44, 70 pp.

Clapp, C. H., 1915:
The Geology of the Alunite and Pyrophyllite Rocks of Kyuquot Sound, Vancouver Island, Geological Survey of Canada Summary Report 1913, pp. 109-126.

Gower, S. C., and Ney, C. S., 1973:
Rock Geochemical Survey on Kashu Group #1, B.C. Department of Mines Assessment Report 4539.

Heagy, A. E., 1984:
Geological and Geochemical Report on the Too Easy Claim 92L/3W, Alberni M. D. Assessment Report 12,681, June 1984, 17 pp.

Hoadley, J. W., 1953:
Geology and Mineral Deposits of the Zeballos-Nimpkish Area, Vancouver Island, Geological Survey of Canada Memoir 272, 82 pp.

Muir, J. E., 1984:
Hydrothermal Alteration at the Kyuquot Gold Property, Vancouver Island, B.C. Private Falconbridge Report, March 30, 1984, 50 pp. and Analyses.

Muller, J. E., Northcote, K. E., Carlisle, L., 1974:
Geology and Mineral Deposits of Alert-Cape Scott Map Area, Vancouver Island, Geological Survey of Canada Paper 74-8, 77 pp.

Robertson, W. F., 1921:
Quartz Alunite Rocks, Kyuquot Sound, B.C. Department of Mines Annual Report, pp. N198-N202.

Shearer, J. T., 1980:
Geological and Geochemical Report on the Easy Group, Alberni M. D., Available as Assessment Report No. 8279, B.C. Department of Mines, November 1980, 23 pp.

1993:
Prospectus on the Monteith Geyserite Deposit, Submitted to the Mine Development Steering Committee, September 1993, 34 pp.

Shearer, J. T., 2000:
Mine Plan for the Apple Bay Project (PEM100 Chalky Geyserite Quarry Holberg Inlet Area, Wanokana Creek Vancouver Island, dated November 15, 2000.

Wilson, J. R., 1983:
Diamond Drilling Report, KYU Group, B.C. Department of Mines Assessment Report 11,374, 7 pp.

APPENDIX I

STATEMENT of QUALIFICATIONS

JANUARY 21, 2002

Appendix I

STATEMENT OF QUALIFICATIONS

I, JOHAN T. SHEARER, of 1817 Greenmount Avenue, in the City of Port Coquitlam, in the Province of British Columbia, do hereby certify:

1. I am a graduate of the University of British Columbia (B.Sc., 1973) in Honours Geology, and the University of London, Imperial College (M.Sc., 1977).

2. I have over 30 years experience in exploration for base and precious metals and industrial mineral commodities in the Cordillera of Western North America with such companies as McIntyre Mines Ltd., J.C. Stephen Explorations Ltd., Carolin Mines Ltd. and TRM Engineering Ltd.

3. I am a fellow in good standing of the Geological Association of Canada (Fellow No. F439) and I am a member in good standing with the Association of Professional Engineers and Geoscientists of British Columbia (Member No. 19,279). I am also a Fellow of the Society of Economic Geologists (SEG).

4. I am an independent consulting geologist employed since December 1986 by Homegold Resources Ltd. at #5-2330 Tyner St., Port Coquitlam, B.C.

5. I am the author of the present report entitled "Geological and Diamond Drilling Assessment Report on the Monteith Bay Geyserite Quarry, Kyuquot Sound Area" dated January 21, 2002.

6. I have visited the property on December 14-21, 2001 and January 9-16, 2002. I am familiar with the regional geology and geology of nearby properties. I have become familiar with the previous work conducted on the Monteith Bay Quarry by examining in detail the available reports, plans and sections, and have discussed previous work with persons knowledgeable of the area.

Dated at Port Coquitlam, British Columbia, this 21st day of January, 2002.

J.T. Shearer, M.Sc., F.G.A.C., P.Geo., F.SEG.

APPENDIX II

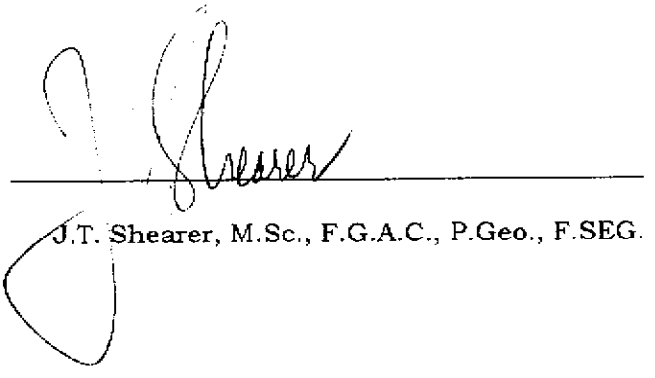
STATEMENT of COSTS

JANUARY 21, 2002

APPENDIX II

STATEMENT of COSTS
Monteith Bay Geyserite Quarry

Wages and Benefits		
J.T. Shearer, M.Sc., P.Geo., Geologist		
8 days @ $350		
December 14-22, 2001 and		$ 2,800.00
S. L. Shearer, Coresplitter		
3 days @ $200		600.00
		$ 3,400.00
	GST	238.00
	Subtotal Wages	$ 3,638.00
Hotel & Room & Board (Jansen Lake Camp)		
32 man days @ $55/man day		1,760.00
Surveying		1,800.00
Truck Rental, Fully equipped 4x4		
8 days @ 53.50		428.00
Gas		425.00
Ferries		96.00
Crew Boat		1,200.00
Barge-scow transport		900.00
Contract Diamond Drilling		
7 holes totalling 810 feet @ $21/foot		17,010.00
Mob & Demob of Drill		2,500.00
Excavator for Drill Moves		
18 hrs @ $140/hr		2,520.00
	Total	**$ 32,277.00**



J.T. Shearer, M.Sc., F.G.A.C., P.Geo., F.SEG.

APPENDIX III

DIAMOND DRILL LOGS

JANUARY 21, 2002

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx. 220m

Diamond Drill Log

DDH#: MB-0101

Northing:	978N
Easting:	869E
Elevation:	26.56m
Azimuth:	000
Inclination:	-90°
Grid:	Monteith
Length (m):	36.88m (121 ft)
Core size:	BQTK
Contractor:	Boisvenu Drilling
Drill Type:	Hydraulic Packdrill

Drill Hole survey
Method: Brunton

Azimuth	Dip	Depth
000	-90	collar

Property:	Monteith Bay Quarry
NTS:	92L/03W
Claim:	Too Easy Mining Lease)
Date Started:	Dec. 16, 2001
Date Completed:	Dec. 17, 2001
Logged by:	J.T. Shearer, M.Sc., P.Geo.

Sample Split:
0-10', 10-20', 20-30', 30-40', 40-51', 51-55.5', (but split in 5' sections then combined) + 55.5-60', 60-65', 65-70'. Assayed at 5' Intervals
Core Stored in Port Coquitlam

J. Shearer

Purpose: Fill in Diamond Drillin on section 220 Metres
Between 93-08 + 93-04 Main knob (east of hole MB-93-06)

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
0.00	15.54		**LIGHT GREY POLYMICTIC GEYSERITE BRECCIA:** highly siliceous, rock is a silicified (advanced argillic altered, rhyolite polymictic breccia-agglomerate), matrix is aphanatic, purplish hue to some sections, very vuggy throughout with numerous very small <1mm vugs, rare yellow (FeO) layers, rusty fractures down to 3.70m. Rough slickensides throughout, fragments vary from small rounded with individual fragments in the 2 to 3mm in diameter size, close packed, characterized by white elongated fragments (lithophase) welded shards up to 15mm in length.				
(EOB1 - 5.95)			Short sections perhaps even graded alternating with very angular fragments greater than 20mm in diameter containing dark grey to purple fragments, creamy white fragments and intermediate colours to rare light brown fragments. Short white to creamy white sections occur from 5.50-5.95m and 9.45 to 13.11m				
(EOB2 - 11.73)			These sections have fewer fragments and very few larger fragments, the lower interval has been stained light yellow-brown in irregular patches. Fault gouge at 13.11m at 35° to core axis broken core down to 13.7m, slickensides well developed at 11.28 at low angles to core axis, variable angles but mostly <10° to core axis. Darker colour starting at 14.35m, highly siliceous, core very broken, rusty iron oxide staining of fractures starts at 15.05m – contact.				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: **Approx. 220m** Page: 2 of 3 DDH#: MB-01-01

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
15.54	16.91		**PYRITIC SHEAR ZONE (DYKE & SILICEOUS ZONE)**: dark grey, very siliceous, very pyritic with lenses of fine grained pyrite, semi massive pyrite 16.15-16.49m at 68° to core axis (0.34m wide in core) approx 0.29m true thickness. Sparse pyrite below 15.49m to end of interval at 16.91m. 46'-56' is 80% core recovery in faulted zone and gouge.				
16.91	27.66		**BLEACHED and SLIGHTLY PYRITIZED GEYSERITE**: relict breccia texture discernible and breccia prominent at 17.61-17.74m, slightly darker grey in colour, fine grained pyrite uniformly throughout interval, vuggy in places, minor welded fragment textures.				
(EOB3 - 18.59)			May have been identified as a siliceous dyke in previous drilling, white flecks common throughout which are relict feldspars and also small lenses of "calcite"				
(EOB4 - 23.98)			Relatively uniform rock unit, traces of disseminated pyrite, more abundant in upper part of interval. Dark hair lines common between 23.64-25.35m at 15° to core axis. Minor dark grey fragments at 27.26m up to 6mm in length. Gradational lower contact over approx 50cm, becoming lighter grey, fewer white flecks, crude lamination at 67° to core axis.				
27.66	30.08		**WHITE VERY SILICEOUS GEYSERITE**: mottled with lighter grey lines and patches defining a bleached/relict fragmental texture, highly fractured gives a granule-like core, also very vuggy, fractures dominately at low to parallel to core axis				
(EOB 5 - 29.51)			Drilling very hard through this section. Vague/relict welded laminations at 28.35m at approximately 70° to core axis, wispy laminations				
30.08	31.70		**DARK GREY TO BROWN SILICEOUS WELDED TUFF**: distinctly fragmental, appears to be Insitu brecciation in part, also very fractured, previously perhaps identified as "dark geyserite" Traces of pyrite around some of the large angular fragments Lower contact could be a brecciated flow – ashfall boundary				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: **Approx. 220m** Page: 3 of 3 DDH#: MB-01-01

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
31.70	36.88		**WHITE to CREAM GEYSERITE BRECCIA**: white matrix with large angular dark grey to black fragments up to 20mm in length.				
(EOB6 - 35.05)			Minor sections with few to no fragments. Well fractured at 60° to 70° to core axis. Change at 36.41 to creamy white rectangular fragments with darker grey matrix filled with polymictic small angular fragments. The creamy white fragments are quite large up to >30m, crudely oriented at approximately 70° to core axis				
(EOB7 - 36.88)			Well fractured throughout to E.O.H.				
			END of HOLE 36.88m (121 ft)				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx 190m **Diamond Drill Log** **DDH#:** MB-02-02

Northing:	968N
Easting:	889E
Elevation:	14.94m
Azimuth:	000
Inclination:	-90
Grid:	JN MONTEITH
Length (m):	14.02m (46 ft)
Core size:	BQTK
Contractor:	Boisvenu Drilling
Drill Type:	Hydraulic Packdrill

Drill Hole survey
Method: Brunton

Azimuth	Dip	Depth
000	-90	collar

Property:	Monteith Bay Quarry
NTS:	92L/03W
Claim:	Mining Lease
Date Started:	Jan. 11, 2002
Date Completed:	Jan. 11, 2002
Logged by:	J.T.Shearer, M.Sc., P.Geo.

Sample Split: Split Intervals 1-10', 10-20', 20-23', 30-40' 40-46'
Core Stored in Port Coquitlam

Shearer

Purpose: Fill in Diamond Drilling on Section 19 (Approx.)
Between Holes MB-01-01 & MB-93-09, Immediately Above (North) of Dyke Zone

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
0.00	0.30		**BROKEN ROCK**: No core 0.61m of casing				
0.30	14.02		**WHITE to LIGHT GREY POLYMICTIC GEYSERITE BRECCIA**: Fine grained matrix, dark subrounded to subangular fragments up to 12mm at 3.02m, black fragments common, Heavy FeO on fractures down to 3.35m, lighter FeO on fractures down to 8.84m.				
	E.O.H.						
(E.O.B.1 - 5.49)			Very will fractured, short rubbly core intervals common, mainly smooth fractures. Sparse fragments throughout upper section, light grey very fine grained matrix, fragments floating. Vuggy with small 1-2mm sized vugs throughout. Close packed fragments for a short interval at 6.70-6.85m, some light grey elongated, perhaps welded fragments present. Large dark fragments at 9.75m, greater than 20mm, these large purpley grey fragments are full of tiny crescent shaped fractures. Slightly lighter grey matrix below 10.20m containing small light brown coloured fragments with the occasional white clast.				
(E.O.B.2 - 11.08)			Crude layering at about 14° to core axis at 11.05m. Vuggy throughout mainly as small 1-2mm vugs but a few larger vugs were observed, large drusy vug at 9.10m is 11mm across, dark fragments also have a globular appearance at 11.28m, core very friable at 12.80, highly fractured				

END of HOLE 14.02M (46 FT.)

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx 230m

Diamond Drill Log

DDH#: MB-02-03

Northing:	947N
Easting:	856E
Elevation:	22.06m
Azimuth:	000
Inclination:	-90
Grid:	JN MONTEITH
Length (m):	22.86m (75 ft)
Core size:	BQTK
Contractor:	Boisvenu Drilling
Drill Type:	Hydraulic Packdrill

Drill Hole survey
Method: Brunton

Azimuth	Dip	Depth
000	-90	collar

Property:	Monteith Bay Quarry
NTS:	92L/03W
Claim:	Mining Lease
Date Started:	Jan. 11, 2002
Date Completed:	Jan. 13 2002
Logged by:	J.T.Shearer, M.Sc., P.Geo.

Sample Split: Split Interval
1-10', 10-20', 20-23', 30-40'
40-50', 50-60', 60-70', 70-75'
Core Stored in Port Coquitlam

Purpose: Fill in Diamond Drilling on Section 230m (Approx.)
Between Holes 93-06 & 93-12, on Mid Bench (Access Ramp Constructed)

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
0.00	1.52		**BROKEN ROCK**: "Fill" on bench from ramp and ripping by excaator, casing to 2.44m.				
1.52	22.86 E.O.H.		**DARK GREY FINE GRAINED (PARTIALLY DIGESTED) GEYSERITE**: Light grey to dark grey mottling but dark colour overall, drusy vugs common.				
(E.O.B.1 - 6.75)			Numerous small black spots of fine grained pyrite common, but pyrite content is relatively low, probably <0.05%, occasionally minor pyrite is also along small fractures at 5.20m, fractures at about 70° to core axis associated with pyrite. Entire section (especially the dark grey sections) is highly to intensely fractured, unit is also very brittle, fractures are from parallel to core axis to 65-70° to core axis, crude crenulated layering at 10.35m at 20° to core axis				
(E.O.B.2 - 12.80)			Relict outobrecciation apparent between 11.28-11.69m and below 11.85m. Very uniform medium to dark grey throughout entire hole with moderate mottling. Highly fractured throughout, dominant fracture direction is parallel to core axis but other fracture directions are also well developed. Vuggy throughout. Purpley rounded fragments at 15.20m, "pisolites"?				
(E.O.B.3 - 18.45)			Greenish wispy matrix at 15, 28m suggesting relict welded textures down to 17.95m Pyrite content below about 12.00m is very sparse.				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx. 230m Page: 2 of 2 DDH#: MB-02-03

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
			Calcite amygdules at 16.76m, rounded sparry calcite infilling Spotted fragmental at 17.95m with light grey subangular fragments in a fine grained slightly greenish matrix. The spots are small chlorite clots down to 18.90m. Indistinct layering of fragments at 22.0m at about 80° to core axis. Very highly fractured at end of hole.				
			END of HOLE 22.86m (75 ft.)				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx 250m **Diamond Drill Log** **DDH#:** MB-02-04

Northing: 972N
Easting: 843E
Elevation: 38.22m
Azimuth: 000
Inclination: -90
Grid: JN MONTEITH
Length (m): 24.99m (82 ft)
Core size: BQTK
Contractor: Boisvenu Drilling
Drill Type: Hydraulic Packdrill

Drill Hole survey
Method: Brunton

Azimuth	Dip	Depth
000	-90	collar

Property: Monteith Bay Quarry
NTS: 92L/03W
Claim: Mining Lease
Date Started: Jan. 18, 2002
Date Completed: Jan. 19, 2002
Logged by: J.T.Shearer, M.Sc., P.Geo.
Sample Split: Split Interval 1-5', 5-10', 10-15', 15-20' and down to 75' at 5' intervals and 75-82'
Core Stored in Port Coquitlam

Purpose: Fill in Diamond Drilling on Section 250-260 metres (Approx.) Between 93-06 & 93-07, Main knob on top, west of hole MB-93-06

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
0.0	18.10		**LIGHT GREY TO WHITE POLYMICTIC GEYSERITE BRECCIA**: stained buff-orange FeO down to 2.15m, coarsely fragmental white angular fragments over 60mm in length, very siliceous, hard drilling. Mainly light grey to white matrix alternating with darker grey matrix sections. Very vuggy down to about 4.5m, individual vugs up to 7mm across but most are less than 1mm				
(E.O.B.1 - 6.71)			The larger bugs are drusy with tiny quartz crystals. Highly fractured throughout at 35°-45° to core axis but fractures also subparallel to core axis One large vug at 4.25 is filled with "calcite". Very rubbly core starting at 6.0-7.45m Rusty FeO coated fractures 9.45-18.30 at 75° to core axis very will fractured, crude slickensides common.				
(E.O.B.2 - 13.26)			Fragments are less distinct below 11.0m, dark borders on lighter centres as fragments common. Very Siliceous throughout, mainly white to creamy white down to 15.40m then gradually becoming darker grey down to E.O.H.				
(E.O.B.3 - 19.05)			Large Insitu brecciation fragments at 18.10m, matrix becoming quite dark in places but abundant fragments throughout Gradational lower contact, gradually becoming darker grey over approximately 2m.				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: 250m Approx. Page: 2 of 2 DDH#: MB-02-04

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
18.10	24.99		**DARK GREY HIGHLY SILICEOUS**				
	E.O.H.		**GEYSERITE**: uniform, distintly dark grey throughout.				
(E.O.B.4 - 24.99)			Rubbly core frequent, highly fractured				
			END of HOLE 24.99M (82 FT.)				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx 270m **Diamond Drill Log** **DDH#:** MB-02-05

Northing: 940N
Easting: 841E
Elevation: 37.16M
Azimuth: 000
Inclination: -90
Grid: JN MONTEITH
Length (m): 25.91m (85 ft)
Core size: BQTK
Contractor: Boisvenu Drilling
Drill Type: Hydraulic Packdrill

Drill Hole survey
Method: Brunton

Azimuth	Dip	Depth
000	-90	collar

Property: Monteith Bay Quarry
NTS: 92L/03W
Claim: Mining Lease
Date Started: Jan. 10 2002
Date Completed: Jan. 10 2002
Logged by: J.T.Shearer, M.Sc., P.Geo.
Sample Split: Split Interval 1-10', 10-20', 20-23', 30-40' 40-50', 50-60', 60-70', 70-77.5', 77.5-85'
Core Stored in Port Coquitlam

Purpose: Fill in diamond Drilling on Section 250 (Approx.) metres on West End of Geyserite Deposit

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
0.0	6.90		**PARTIALLY ALTERED GREY POLYMICTIC GEYSERITE BRECCIA**: white, very siliceous, highly altered, short sections throughout of unaltered pyritic parent material. Less altered zone 1.20-1.55m Highly pyritic zone 1.83-2.29m (parent material) Small – short zones throughout white (white alteration is transforming the original parent rock into white geyserite), this area represents only partial digestion less altered zones 3.96-4.10m, 5.40-5.52m.				
(EOB1 - 5.85)			Bleaching partly controlled by fracturing. Iron staining down to 6.53m, large more rounded fragments at 6.58-6.69m Rubbly core – Fault zone at 6.90m.				
6.90	11.89		**MEDIUM GREY FINE POLYMICTIC GEYSERITE BRECCIA**: fewer areas of unaltered dark parent zones, very vuggy 9.75-10.35m, fragments distinctly smaller in average size up to 4mm, crudely layered at 11.28m at about 50° to core axis. Minor FeO on fractures between 11.50-12.50m Rubbly core sections between 7.92-9.75 with core generally shorter pieces, vuggy throughout. Relatively sharp lower contact at 11.89m				
11.89	14.33		**WHITE POLYMICTIC GEYSERITE BRECCIA**: distinctly white, grey has disappeared, very fine grained matrix, fragments slightly coarser and more angular than previous rock unit.				

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: 250m Approx. Page: 2 of 2 DDH#: MB-0205

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
11.89	14.33 cont.		well fractured at 90°d to core axis mainly, highly fractured at 12.50m. Gradational lessening of white bleaching to lower contact. Bleaching appears to be fracture controlled.				
14.33	25.91 E.O.H.		**DARK GREY FINE GRAINED GEYSERITE BRECCIA**: distinctly less bleaching, but highly siliceous, traces of pyrite, very vuggy as usual throughout, smooth breakage, some rubbly core at 17.20m and 18.60m, highly fractured throughout				
(E.O.B.4 - 20.12]			This dark grey unit is relatively uniform throughout, very fine grained matrix, and also finely fragmental. Very vuggy at 22.25m Abundant calcite at 23.21m and 24.38m within matrix and along greenish fractures (sample 70-77.5 and 77.5-85 should be elevated CaO) Vuggy sections associated with edges of fragments. Core more competent towards end of hole. Increase in small 1 – 2mm rounded globule like dark grains (suggestive of pyrite) but in fact dark volcanic nodules, coarse irregular fragments within the nodular matrix up to 8 cm, dark globules appear to be calcite rich white, more bleached material at end of hole.				

END of HOLE 25.91M (85 FT.)

MONTEITH BAY RESOURCES LTD.

777 Ross Road, Delta B.C.

MONTEITH BAY GEYSERITE QUARRY

SECTION: Approx 220m **Diamond Drill Log** **DDH#:** MB-02-06

Northing: 976N
Easting: 860E
Elevation: 24.14m
Azimuth: 000
Inclination: -90
Grid: JN MONTEITH
Length (m): 22.86m (75 ft)
Core size: BQTK
Contractor: Boisvenu Drilling
Drill Type: Hydraulic Packdrill

Drill Hole survey
Method: Brunton

Azimuth	Dip	Depth
000	-90	collar

Property: Monteith Bay Quarry
NTS: 92L/03W
Claim: Mining Lease
Date Started: Jan. 13, 2002
Date Completed: Jan. 15, 2002
Logged by: J.T.Shearer, M.Sc., P.Geo.
Sample Split: Split Interval
1-10', 10-20', 20-23', 30-40'
40-50', 50-60', 60-70', 70-75'
Core Stored in Port Coquitlam

Shearer

Purpose: Fill in Diamond Drilling on Section 220 (Approx.), on Middle Bench, Between 93-06 and 93-12 and 01-01 and 93-9 (Midway)

from (m)	to (m)	Code	Description	sample No.	from/to	width (m)	Au (g/t)
0.0	0.30		**BROKEN ROCK** on top of Bench, NO CORE				
0.30	22.86 E.O.H.		**DARK GREY, FINE GRAINED, (PARTIALLY DIGESTED) GEYSERITE**: very fine grained dark grey to dark green locally, minor purple short sections, very highly siliceous, indistinct fragments discernable in places. Light grey-yellow section 3.25-3.82m, mottled geyserite, tuffaceous appearance.				
(EOB1 - 5.33)			Traces of pyrite throughout with more pyrite as small lenses along fractures at 4.71, overall pyrite content is low. Highly fractured throughout, main fracture direction about 20° - 30° to core axis, but higher angle fractures are common. Distinctly mottled at 7.25-7.35m, white rounded structures within a dark grey matrix.				
(EOB2 - 11.07)			Linear cavities along close spaced fractures 9.95-10.97m, extremely fractured. Uniform rock unit throughout, somewhat mottled, very hard & tough, vugginess characteristic of advanced argillic alteration, very indistinct banding in places at 35° to core axis, very fine grained. Relict white crystal-like structures centred around vuggy zones, some vugs are quite large up to 4mm across, all vugs are druzy				
(EOB4 - 22.31)			Trace of pyrite below 19.81 occasional along fractures at 45° to core axis, disseminated pyrite in dark rounded blebs 1-3mm in length between 21.78-22.50m. Very siliceous throughout, hard, tough, very fine grained **END of HOLE 22.86M (75 FT.)**				

APPENDIX IV

ASSAY RESULTS

JANUARY 21, 2002

from Jasper van de Wetering Feb 19/02 46.1Kb.

Hole	depth	SiO_2	Al_2O_3	Fe_2O_3	CaO	MgO	Na_2O	K_2O	SO_3	Cl	TiO_2	TALK	P_2O_5	Total.
MB-01-01	0--5	89.81	0.43	0.24	-0.09	-0.24	-0.15	0.08	0.07	0.02	0.61	-0.10	0.07	90.85
MB-01-01	5--10	95.13	0.19	0.15	-0.14	-0.18	-0.13	0.04	0.08	0.03	0.72	-0.10	0.07	96.97
MB-01-01	10--15	95.76	0.15	0.13	-0.14	-0.14	-0.12	0.03	0.08	0.03	0.59	-0.09	0.07	96.45
MB-01-01	15--20	94.94	0.21	0.11	-0.13	-0.17	-0.14	0.06	0.17	0.07	0.68	-0.10	0.07	95.87
MB-01-01	20--25	98.19	0.43	0.09	-0.10	-0.14	-0.12	0.10	0.09	0.04	0.61	-0.05	0.08	99.27
MB-01-01	25--30	96.20	0.18	0.09	-0.14	-0.17	-0.14	0.05	0.09	0.03	0.61	-0.11	0.07	96.87
MB-01-01	30--35	83.49	0.07	0.07	-0.10	-0.22	-0.12	0.02	0.05	0.03	0.63	-0.11	0.04	83.96
MB-01-01	35--40	88.91	0.09	0.11	-0.09	-0.18	-0.11	-0.02	0.07	0.03	0.76	-0.10	0.05	89.67
MB-01-01	40-45	82.92	0.84	0.10	-0.11	-0.19	-0.17	0.26	0.05	0.02	1.67	0.00	0.05	85.43
MB-01-01	45--51	93.27	1.61	0.22	0.32	0.01	-0.10	0.45	0.14	0.04	0.78	0.20	0.07	97.02
MB-01-01	51--55.5	61.47	10.58	14.89	0.03	0.36	0.04	2.69	14.86	0.04	0.64	1.81	0.10	105.82
MB-01-01	55.5--60	95.14	1.27	0.22	-0.06	0.03	-0.08	0.27	0.26	0.04	0.45	0.09	0.06	97.60
MB-01-01	60--65	95.11	1.26	0.15	-0.07	-0.01	-0.08	0.27	0.22	0.04	0.51	0.10	0.06	97.46
MB-01-01	65--70	90.48	2.01	0.16	-0.06	0.03	-0.16	0.46	0.15	0.04	0.55	0.15	0.06	93.73
MB-01-01	70--75	83.59	2.37	0.18	-0.03	-0.17	-0.05	0.65	0.19	0.03	0.73	0.38	0.07	87.55
MB-01-01	75--80	82.65	2.11	0.26	-0.05	-0.17	-0.08	0.54	0.28	0.03	1.39	0.28	0.06	87.03
MB-01-01	80--85	94.11	1.34	0.22	-0.05	0.03	-0.07	0.26	0.22	0.04	0.78	0.10	0.07	96.94
MB-01-01	85--90	94.08	1.82	0.16	-0.04	0.08	-0.09	0.41	0.15	0.05	0.71	0.17	0.07	97.40
MB-01-01	90--95	81.77	0.54	0.09	-0.10	-0.23	-0.13	0.14	0.08	0.03	0.57	-0.04	0.04	82.80
MB-01-01	95--100	96.05	0.49	0.18	0.06	-0.02	-0.07	0.05	0.15	0.05	0.74	-0.03	0.07	97.77
MB-01-01	100--105	82.42	0.17	0.28	-0.07	-0.24	-0.16	0.03	0.16	0.03	0.63	-0.13	0.05	83.30
MB-01-01	105--110	96.94	0.36	0.20	-0.05	-0.02	-0.12	0.05	0.22	0.04	0.54	-0.09	0.07	98.22
MB-01-01	110--115	95.66	0.44	0.20	-0.04	0.03	-0.11	0.04	0.17	0.04	1.10	-0.08	0.07	97.60
MB-01-01	115--121	87.57	0.19	0.14	-0.08	-0.19	-0.06	0.04	0.13	0.04	0.56	-0.04	0.06	88.39
MB-01-04	0--5	97.07	0.28	0.31	-0.08	-0.13	-0.11	0.06	0.11	0.04	0.67	-0.07	0.08	98.30
MB-01-04	5--10	77.32	0.12	0.10	-0.18	-0.33	-0.28	0.03	0.09	0.04	0.35	-0.25	0.03	77.29
MB-01-04	10--15	83.10	0.20	0.16	-0.19	-0.26	-0.20	0.06	0.04	0.02	0.42	-0.16	0.05	83.41
MB-01-04	15--20	97.77	0.25	0.27	-0.11	-0.13	-0.17	0.06	0.09	0.04	0.55	-0.13	0.08	98.59
MB-01-04	20--25	96.65	0.20	0.15	-0.11	-0.17	-0.15	0.05	0.08	0.03	0.61	-0.12	0.07	97.43
MB-01-04	25--30	93.96	0.33	0.28	-0.05	-0.09	-0.12	0.07	0.08	0.04	0.88	-0.07	0.06	95.45
MB-01-04	30--35	91.21	0.33	0.19	-0.06	-0.13	-0.13	0.08	0.07	0.04	0.82	-0.07	0.06	92.47
MB-01-04	35--40	86.87	0.21	0.21	-0.11	-0.15	-0.13	0.05	0.06	0.03	0.76	-0.09	0.06	87.87
MB-01-04	40--45	93.57	0.50	0.17	-0.03	0.04	-0.06	0.07	0.12	0.04	3.08	-0.01	0.08	97.58
MB-01-04	45--50	89.86	0.21	0.20	-0.05	-0.14	-0.10	0.05	0.08	0.04	0.90	-0.07	0.05	91.09
MB-01-04	50--55	89.55	0.29	0.19	-0.07	-0.12	-0.11	0.08	0.08	0.03	1.28	-0.05	0.07	91.37
MB-01-04	55--60	82.62	0.10	0.39	-0.11	-0.19	-0.11	0.03	0.17	0.05	0.41	-0.09	0.05	83.41
MB-01-04	60--65	84.13	0.08	0.26	-0.14	-0.25	-0.12	0.02	0.07	0.03	0.46	-0.10	0.04	84.59
MB-01-04	65--70	80.22	0.18	0.28	-0.14	-0.20	-0.17	0.06	0.05	0.02	0.67	-0.13	0.04	81.02
MB-01-04	70--75	84.88	0.09	0.34	-0.11	-0.16	-0.14	0.04	0.29	0.03	0.80	-0.11	0.05	86.10
MB-01-04	75--80	89.38	0.08	0.25	-0.05	-0.15	-0.12	0.03	0.21	0.04	0.33	-0.10	0.06	90.05

Monteith Bay drill holes - January 2002

			SiO_2	Al_2O_3	Fe_2O_3	CaO	MgO	Na_2O	K_2O	SO_3	Cl	TiO_2
C02	1	02-02 1-10	97.26	0.11	0.27	-0.06	-0.12	-0.09	0.02	0.10	0.03	0.72
C02	2	02-02 10-20	96.78	0.11	0.13	-0.05	-0.12	-0.06	0.03	0.09	0.03	1.38
C02	3	02-02 20-30	97.84	0.11	0.30	-0.05	-0.14	-0.06	0.03	0.16	0.03	0.80
C02	4	02-02 30-40	91.31	0.22	0.13	-0.08	-0.18	-0.12	0.05	0.21	0.03	0.70
C02	5	02-02 40-46	94.37	0.17	0.18	0.38	-0.15	-0.11	0.04	0.19	0.03	0.55
C02	6	02-03 5-10	96.08	0.24	0.24	0.40	-0.14	-0.07	0.05	0.29	0.04	0.31
C02	7	02-03 10-20	96.96	0.28	0.38	0.67	-0.11	-0.07	0.05	0.51	0.04	0.24
C02	8	02-03 20-30	96.76	0.36	0.40	0.79	-0.12	-0.11	0.07	0.59	0.04	0.28
C02	9	02-03 30-40	87.39	0.59	0.19	5.34	-0.15	-0.13	0.13	0.24	0.03	0.39
C02	10	02-03 40-50	93.87	0.29	0.29	1.13	-0.15	-0.12	0.06	0.31	0.03	0.36
C02	11	02-03 50-60	87.97	0.30	0.49	2.52	-0.15	-0.14	0.07	0.67	0.03	1.12
C02	12	02-03 60-70	88.44	0.42	0.19	3.46	-0.13	-0.14	0.10	0.19	0.03	1.09
C02	13	02-03 70-75	92.92	0.51	0.17	1.28	-0.05	-0.05	0.07	0.16	0.04	0.84
C02	14	02-05 0-10	94.44	0.39	1.80	0.01	-0.02	-0.06	0.05	2.04	0.04	0.76
C02	15	02-05 10-20	94.54	0.39	0.88	0.00	-0.08	-0.11	0.05	0.60	0.04	0.73
C02	16	02-05 20-30	96.08	0.35	0.33	-0.01	-0.08	-0.08	0.04	0.13	0.04	0.73
C02	17	02-05 30-40	82.16	0.09	0.16	-0.11	-0.27	-0.17	0.02	0.05	0.02	0.52
C02	18	02-05 50-60	88.24	0.11	0.66	-0.02	-0.21	-0.16	0.02	0.23	0.02	0.43
C02	19	02-05 50-60	90.17	0.14	0.38	0.06	-0.19	-0.14	0.01	0.64	0.04	0.43
C02	20	02-05 60-70	75.16	0.05	0.27	-0.15	-0.30	-0.21	0.01	0.43	0.01	0.53
C02	21	02-05 70-77.5	73.91	0.07	0.23	3.27	-0.27	-0.22	0.01	0.10	0.02	1.34
C02	22	02-05 77.5-85	93.59	0.05	0.23	1.49	-0.14	-0.10	0.01	0.16	0.04	0.79
C02	23	02-06 1-10	95.14	0.71	1.31	0.07	0.01	-0.09	0.10	2.45	0.04	0.08
C02	24	02-06 10-20	86.17	6.71	0.92	-0.03	0.04	-0.12	1.70	1.49	0.04	0.37
C02	25	02-06 20-30	96.31	0.58	0.13	-0.03	-0.09	-0.11	0.09	0.17	0.04	0.56
C02	26	02-06 30-40	96.96	0.44	0.31	-0.03	-0.13	-0.01	0.08	0.53	0.12	0.60
C02	27	02-06 40-50	95.31	0.43	0.19	-0.03	-0.05	-0.11	0.05	0.12	0.05	0.79
C02	28	02-06 50-60	96.65	0.40	0.20	0.01	-0.06	-0.13	0.05	0.21	0.04	0.69
C02	29	02-06 60-70										
C02	30	02-06 70-75										

Hole	From (ft)	To (ft)	From m	To m	Al	Al_2O_3 (%)	SiO_2 (%)	SO_3 (%)	Rock
1	12.00	24.50	3.66	7.47	3.81	19.90	53.81	1.91	8
1	24.50	35.00	7.47	10.67	3.20	1.56	93.54	0.21	5
2	5.00	15.00	1.52	4.57	3.05	22.48	72.19	4.86	3
2	15.00	25.00	4.57	7.62	3.05	20.24	66.92	4.17	3
2	25.00	35.00	7.62	10.67	3.05	24.49	71.64	7.67	3
2	35.00	49.00	10.67	14.94	4.27	23.47	72.31	6.66	3
3	2.00	10.00	0.61	3.05	2.44	22.19	72.21	7.59	3
3	10.00	20.00	3.05	6.10	3.05	12.68	82.73	4.55	3
3	20.00	30.00	6.10	9.15	3.05	13.05	80.40	6.02	3
3	30.00	40.00	9.15	12.20	3.05	2.82	88.05	1.75	3
3	40.00	45.00	12.20	13.72	1.52	1.67	94.79	0.17	5
3	45.00	55.00	13.72	16.77	3.05	3.75	87.41	2.63	5
4	5.00	15.00	1.52	4.57	3.05	3.69	92.02	0.25	5
4	15.00	25.00	4.57	7.62	3.05	2.43	91.61	0.07	5
4	25.00	35.00	7.62	10.67	3.05	1.12	92.71	0.04	5
4	35.00	45.00	10.67	13.72	3.05	9.72	87.34	1.51	3
4	45.00	56.50	13.72	17.23	3.51	1.80	93.69	0.31	3
4	45.00	55.00	13.72	16.77	3.05	14.20	86.14	0.44	5
4	55.00	65.00	16.77	19.82	3.05	0.89	97.26	0.08	5
4	65.00	75.00	19.82	22.87	3.05	1.04	98.00	0.16	5
4	75.00	85.00	22.87	25.91	3.05	0.87	94.82	0.09	5
4	85.00	95.00	25.91	28.96	3.05	1.22	97.04	0.06	5
4	95.00	105.00	28.96	32.01	3.05	1.27	97.07	0.17	5
5	0.00	10.00	0.00	3.05	3.05	0.81	98.67	0.07	5
5	10.00	20.00	3.05	6.10	3.05	0.65	96.74	0.07	5
5	20.00	30.00	6.10	9.15	3.05	0.71	98.00	0.03	5
5	30.00	40.00	9.15	12.20	3.05	0.70	97.53	0.05	5
5	40.00	50.00	12.20	15.24	3.05	0.83	97.12	0.14	5
5	50.00	60.00	15.24	18.29	3.05	0.98	95.17	0.08	5
5	60.00	70.00	18.29	21.34	3.05	1.16	98.24	0.00	5
5	70.00	80.00	21.34	24.39	3.05	1.09	96.00	0.57	5
5	80.00	90.00	24.39	27.44	3.05	0.83	91.79	2.30	5
5	90.00	103.00	27.44	31.40	3.96	0.87	94.91	1.16	5
6	0.00	10.00	0.00	3.05	3.05	0.64	95.00	0.03	5
6	10.00	20.00	3.05	6.10	3.05	0.90	95.45	0.01	5
6	20.00	30.00	6.10	9.15	3.05	1.02	97.50	0.01	5
6	30.00	40.00	9.15	12.20	3.05	0.95	97.75	0.01	5
6	40.00	50.00	12.20	15.24	3.05	0.91	95.89	0.01	5
6	50.00	60.00	15.24	18.29	3.05	0.95	96.65	0.02	5
6	60.00	70.00	18.29	21.34	3.05	0.80	96.29	0.00	5
6	70.00	80.00	21.34	24.39	3.05	0.77	97.05	0.04	5
6	80.00	90.00	24.39	27.44	3.05	0.55	94.58	0.00	5
6	90.00	100.00	27.44	30.49	3.05	0.69	96.57	0.05	5
6	100.00	110.00	30.49	33.54	3.05	1.01	97.55	0.14	5
6	110.00	120.00	33.54	36.59	3.05	1.08	95.50	0.44	5
6	120.00	128.00	36.59	39.02	2.44	1.04	96.20	0.73	5
7	4.00	15.00	1.22	4.57	3.35	1.18	84.89	2.65	3
7	15.00	30.00	4.57	9.15	4.57	6.14	82.21	4.15	3
7	30.00	35.00	9.15	10.67	1.52	13.11	78.11	4.87	3

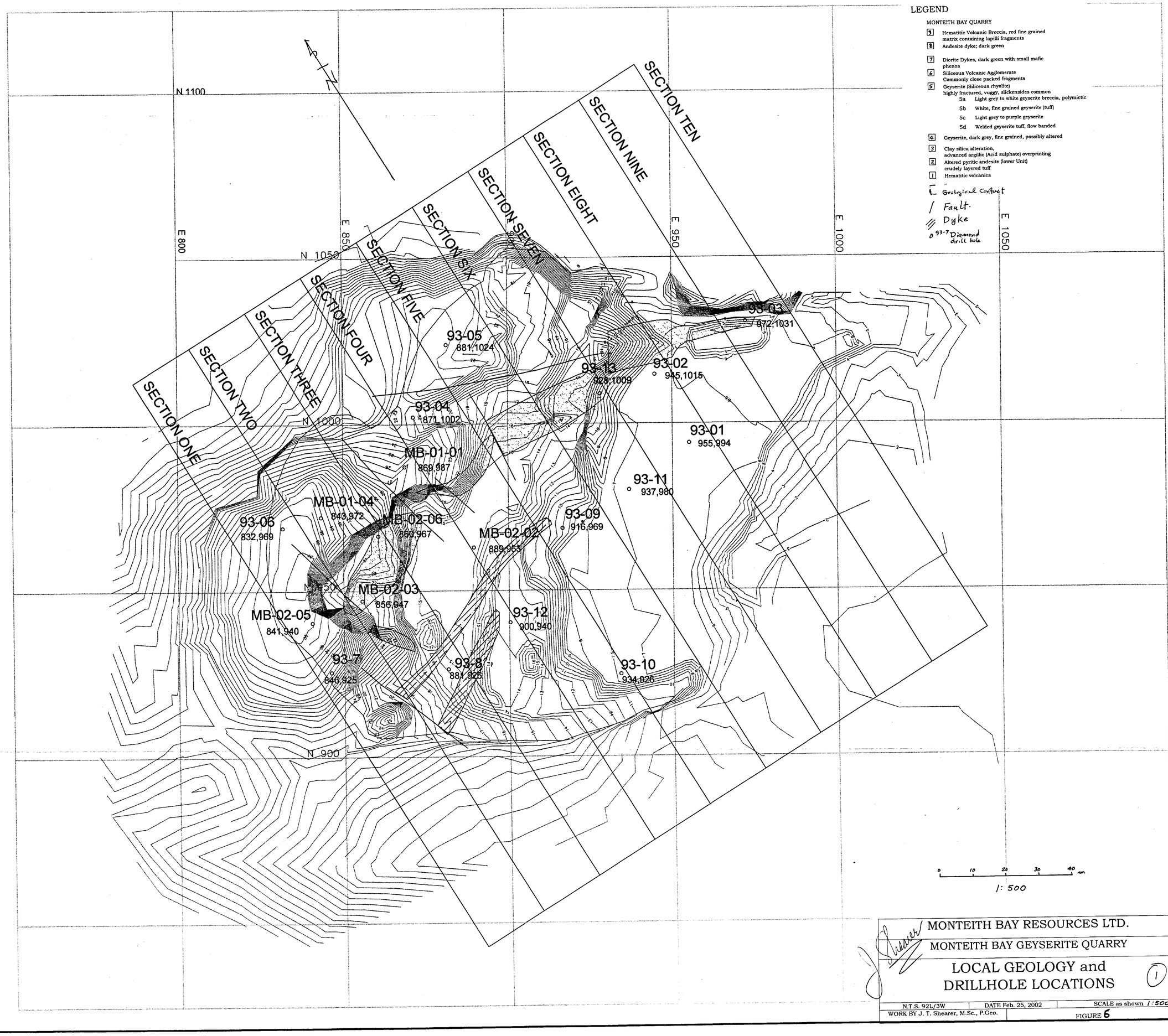
7	35.00	45.00	10.67	13.72	3.05	18.58	63.19	19.58	3
7	45.00	55.00	13.72	16.77	3.05	5.80	81.53	5.88	3
7	55.00	65.00	16.77	19.82	3.05	4.28	79.88	6.09	3
7	65.00	80.00	19.82	24.39	4.57	6.96	80.57	6.92	3
7	80.00	93.00	24.39	28.35	3.96	7.93	84.28	2.89	3
8	0.00	17.00	0.00	5.18	5.18	1.14	92.89	0.21	5
8	17.00	34.00	5.18	10.37	5.18	7.44	89.98	0.63	5
8	34.00	45.00	10.37	13.72	3.35	19.04	67.92	13.24	2
8	45.00	61.00	13.72	18.60	4.88	34.08	57.92	16.31	2
8	61.00	70.00	18.60	21.34	2.74	37.82	53.23	18.09	2
8	70.00	80.00	21.34	24.39	3.05	27.19	63.70	12.89	2
9	0.00	11.00	0.00	3.35	3.35	0.90	95.70	0.11	5
9	11.00	21.00	3.35	6.40	3.05	0.58	94.83	0.01	5
9	21.00	36.00	6.40	10.98	4.57	0.63	93.65	0.29	5
9	36.00	48.00	10.98	14.63	3.66	0.98	91.14	0.54	5
9	48.00	65.00	14.63	19.82	5.18	0.48	91.41	0.52	5
9	65.00	75.00	19.82	22.87	3.05	0.67	93.71	0.24	5
9	75.00	91.00	22.87	27.74	4.88	0.81	94.92	0.44	5
10	0.00	10.00	0.00	3.05	3.05	0.74	91.78	0.13	5
10	10.00	20.00	3.05	6.10	3.05	0.91	87.51	0.50	5
10	20.00	30.00	6.10	9.15	3.05	0.94	93.32	0.21	5
10	30.00	40.00	9.15	12.20	3.05	1.62	92.48	0.68	5
10	40.00	50.00	12.20	15.24	3.05	0.83	94.43	0.42	5
10	50.00	60.00	15.24	18.29	3.05	1.29	94.82	0.93	5
10	60.00	73.00	18.29	22.26	3.96	1.54	93.38	0.99	5
11	0.00	10.00	0.00	3.05	3.05	33.04	69.84	3.53	3
11	10.00	20.00	3.05	6.10	3.05	33.93	64.63	7.25	3
11	20.00	30.00	6.10	9.15	3.05	8.35	49.57	50.69	3
11	30.00	40.00	9.15	12.20	3.05	3.19	80.01	9.28	3
11	40.00	50.00	12.20	15.24	3.05	0.99	93.69	1.74	3
11	50.00	60.00	15.24	18.29	3.05	1.02	93.63	0.74	3
12	6.00	11.00	1.83	3.35	1.52	1.58	89.75	3.58	5
12	11.00	16.00	3.35	4.88	1.52	1.58	94.39	0.09	5
12	16.00	20.00	4.88	6.10	1.22	1.18	95.40	0.04	5
12	20.00	25.00	6.10	7.62	1.52	1.31	95.54	0.10	5
12	25.00	29.50	7.62	8.99	1.37	1.00	94.27	0.28	5
12	29.50	33.50	8.99	10.21	1.22	44.42	57.03	4.06	3
12	33.50	38.50	10.21	11.74	1.52	1.45	90.35	2.40	3
12	38.50	40.00	11.74	12.20	0.46	1.54	94.36	0.13	3
12	40.00	42.00	12.20	12.80	0.61	1.27	92.91	0.44	3
12	42.00	45.00	12.80	13.72	0.91	1.09	84.62	0.42	3
12	45.00	50.00	13.72	15.24	1.52	0.89	82.72	0.13	3
12	50.00	56.00	15.24	17.07	1.83	1.09	92.55	0.26	3
12	74.00	80.00	22.56	24.39	1.83	2.22	90.80	0.31	5
12	80.00	85.00	24.39	25.91	1.52	1.33	94.36	0.11	5
12	85.00	90.00	25.91	27.44	1.52	1.10	94.09	0.46	5
12	90.00	93.00	27.44	28.35	0.91	2.63	89.98	2.14	5
12	94.00	97.00	28.66	29.57	0.91	4.69	83.24	0.29	5
12	97.00	101.00	29.57	30.79	1.22	16.45	83.01	0.66	5
12	101.00	105.00	30.79	32.01	1.22	23.17	75.92	1.30	5
12	105.00	110.00	32.01	33.54	1.52	19.38	76.49	4.61	5

12	110.00	115.00	33.54	35.06	1.52	13.99	84.28	0.69	5
12	115.00	119.00	35.06	36.28	1.22	14.55	86.05	0.23	5
12	119.00	125.00	36.28	38.11	1.83	15.54	83.67	0.37	5
12	125.00	130.00	38.11	39.63	1.52	17.00	81.02	0.91	5
12	130.00	135.00	39.63	41.16	1.52	18.58	72.97	7.01	5
12	135.00	140.00	41.16	42.68	1.52	15.92	64.94	13.14	5
12	145.00	150.00	44.21	45.73	1.52	18.94	54.39	18.01	5
13	6.00	10.00	1.83	3.05	1.22	21.52	68.30	10.39	3
13	10.00	15.00	3.05	4.57	1.52	23.30	72.68	6.25	3
13	15.00	21.00	4.57	6.40	1.83	9.60	83.45	4.83	3
13	21.00	25.00	6.40	7.62	1.22	2.62	91.53	0.95	5
13	25.00	30.00	7.62	9.15	1.52	6.15	84.90	4.29	5
13	30.00	35.00	9.15	10.67	1.52	2.39	92.16	0.37	5
13	35.00	40.00	10.67	12.20	1.52	2.23	95.59	0.11	5
13	40.00	45.00	12.20	13.72	1.52	1.72	90.94	0.15	5
13	45.00	48.00	13.72	14.63	0.91	1.40	95.76	1.12	5
13	48.00	55.00	14.63	16.77	2.13	2.89	86.91	3.58	5
13	55.00	60.00	16.77	18.29	1.52	1.47	94.36	1.80	5
13	60.00	65.00	18.29	19.82	1.52	1.51	92.67	0.25	5
13	65.00	70.00	19.82	21.34	1.52	1.14	96.12	0.06	5
13	70.00	72.00	21.34	21.95	0.61	27.14	75.31	1.20	5
13	72.00	75.00	21.95	22.87	0.91	1.21	95.44	0.24	5
13	75.00	78.50	22.87	23.93	1.07	1.07	96.94	0.04	5
13	78.50	85.00	23.93	25.91	1.98	1.33	94.81	0.15	5
13	85.00	90.00	25.91	27.44	1.52	1.16	94.84	0.20	5
13	90.00	95.00	27.44	28.96	1.52	2.13	93.42	0.72	5
13	95.00	100.00	28.96	30.49	1.52	2.92	93.48	0.89	5
13	100.00	105.50	30.49	32.16	1.68	4.40	84.66	0.88	5
13	105.50	110.00	32.16	33.54	1.37	8.00	86.40	3.18	2
13	110.00	115.00	33.54	35.06	1.52	12.40	81.79	4.57	2
13	115.00	125.00	35.06	38.11	3.05	12.66	76.91	8.20	2
5A	3.00	5.00	0.91	1.52	0.61	1.38	92.45	0.04	5
5A	5.00	10.00	1.52	3.05	1.52	0.86	95.72	0.13	5
5A	10.00	15.00	3.05	4.57	1.52	1.28	94.72	0.08	5
5A	16.00	20.00	4.88	6.10	1.22	1.11	94.89	0.04	5
5A	20.00	25.00	6.10	7.62	1.52	1.28	91.93	1.08	5
5A	25.00	32.50	7.62	9.91	2.29	1.23	96.04	0.03	5
5A	32.50	37.50	9.91	11.43	1.52	1.24	95.13	0.06	5
5A	37.50	41.60	11.43	12.68	1.25	1.00	95.28	0.00	5
5A	41.50	44.50	12.65	13.57	0.91	1.13	94.17	0.04	5
5A	44.50	50.00	13.57	15.24	1.68	1.18	95.76	0.21	5
5A	50.00	55.00	15.24	16.77	1.52	1.23	95.71	0.15	5
5A	55.00	60.00	16.77	18.29	1.52	1.10	95.84	0.03	5
5A	60.00	65.00	18.29	19.82	1.52	1.12	93.61	0.05	5
5A	65.00	70.00	19.82	21.34	1.52	1.05	91.88	0.91	5
5A	70.00	75.00	21.34	22.87	1.52	1.06	95.23	0.92	5
5A	75.00	82.00	22.87	25.00	2.13	1.00	94.95	0.63	5
5A	82.00	85.00	25.00	25.91	0.91	1.18	94.66	1.25	2
5A	85.00	90.00	25.91	27.44	1.52	1.13	94.46	1.62	2
5A	90.00	95.00	27.44	28.96	1.52	1.33	92.62	0.80	2
5A	95.00	100.00	28.96	30.49	1.52	1.10	95.60	1.09	2

5A	100.00	105.00	30.49	32.01	1.52	1.40	93.36	0.64	2
5A	105.00	110.00	32.01	33.54	1.52	1.06	95.48	0.38	2
5A	110.00	115.00	33.54	35.06	1.52	1.34	92.03	0.79	2
5A	115.00	120.00	35.06	36.59	1.52	1.60	94.47	1.36	2
5A	120.00	125.00	36.59	38.11	1.52	1.45	91.83	1.50	2
5A	125.00	130.00	38.11	39.63	1.52	1.35	90.92	1.64	2
5A	130.00	135.00	39.63	41.16	1.52	3.32	84.21	2.25	2
5A	135.00	140.00	41.16	42.68	1.52	11.29	63.37	21.03	2
5A	140.00	145.00	42.68	44.21	1.52	3.09	86.66	3.47	2
5A	145.00	150.00	44.21	45.73	1.52	5.24	80.53	4.16	2
5A	150.00	155.00	45.73	47.26	1.52	2.69	87.31	1.41	2
5A	155.00	160.00	47.26	48.78	1.52	2.49	84.33	3.06	2
5A	160.00	165.00	48.78	50.30	1.52	2.53	80.22	7.68	2
5A	165.00	170.00	50.30	51.83	1.52	1.90	90.67	2.92	2
MB-01-01	0.00	5.00	0.00	1.52	1.52	0.43	89.81	0.07	9
MB-01-01	5.00	10.00	1.52	3.05	1.52	0.19	95.13	0.08	9
MB-01-01	10.00	15.00	3.05	4.57	1.52	0.15	95.76	0.08	9
MB-01-01	15.00	20.00	4.57	6.10	1.52	0.21	94.94	0.17	9
MB-01-01	20.00	25.00	6.10	7.62	1.52	0.43	98.19	0.09	9
MB-01-01	25.00	30.00	7.62	9.15	1.52	0.18	96.20	0.09	9
MB-01-01	30.00	35.00	9.15	10.67	1.52	0.07	83.49	0.05	9
MB-01-01	35.00	40.00	10.67	12.20	1.52	0.09	88.91	0.07	9
MB-01-01	40.00	45.00	12.20	13.72	1.52	0.84	82.92	0.05	9
MB-01-01	45.00	51.00	13.72	15.55	1.83	1.81	93.27	0.14	9
MB-01-01	51.00	55.50	15.55	16.92	1.37	10.68	61.47	14.86	9
MB-01-01	55.50	60.00	16.92	18.29	1.37	1.27	95.14	0.26	9
MB-01-01	60.00	65.00	18.29	19.82	1.52	1.26	95.11	0.22	9
MB-01-01	65.00	70.00	19.82	21.34	1.52	2.01	90.48	0.15	9
MB-01-01	70.00	75.00	21.34	22.87	1.52	2.37	83.59	0.19	9
MB-01-01	75.00	80.00	22.87	24.39	1.52	2.11	82.65	0.28	9
MB-01-01	80.00	85.00	24.39	25.91	1.52	1.34	94.11	0.22	9
MB-01-01	85.00	90.00	25.91	27.44	1.52	1.82	94.08	0.15	9
MB-01-01	90.00	95.00	27.44	28.96	1.52	0.54	81.77	0.08	9
MB-01-01	95.00	100.00	28.96	30.49	1.52	0.49	96.05	0.15	9
MB-01-01	100.00	105.00	30.49	32.01	1.52	0.17	82.42	0.16	9
MB-01-01	105.00	110.00	32.01	33.54	1.52	0.36	96.94	0.22	9
MB-01-01	110.00	115.00	33.54	35.06	1.52	0.44	95.66	0.17	9
MB-01-01	115.00	121.00	35.06	36.89	1.83	0.19	87.57	0.13	9
MB-01-04	0.00	5.00	0.00	1.52	1.52	0.28	97.07	0.11	9
MB-01-04	5.00	10.00	1.52	3.05	1.52	0.12	77.32	0.09	9
MB-01-04	10.00	15.00	3.05	4.57	1.52	0.20	83.10	0.04	9
MB-01-04	15.00	20.00	4.57	6.10	1.52	0.25	97.77	0.09	9
MB-01-04	20.00	25.00	6.10	7.62	1.52	0.20	96.65	0.08	9
MB-01-04	25.00	30.00	7.62	9.15	1.52	0.33	93.96	0.08	9
MB-01-04	30.00	35.00	9.15	10.67	1.52	0.33	91.21	0.07	9
MB-01-04	35.00	40.00	10.67	12.20	1.52	0.21	86.87	0.06	9
MB-01-04	40.00	45.00	12.20	13.72	1.52	0.50	93.57	0.12	9
MB-01-04	45.00	50.00	13.72	15.24	1.52	0.21	89.86	0.08	9
MB-01-04	50.00	55.00	15.24	16.77	1.52	0.29	89.65	0.08	9
MB-01-04	55.00	60.00	16.77	18.29	1.52	0.10	82.62	0.17	9
MB-01-04	60.00	65.00	18.29	19.82	1.52	0.08	84.13	0.07	9

MISSING COLLAR COORDINATES

MB-01-04	65.00	70.00	19.82	21.34	1.52	0.18	80.22	0.05	9
MB-01-04	70.00	75.00	21.34	22.87	1.52	0.09	84.88	0.29	9
MB-01-04	75.00	80.00	22.87	24.39	1.52	0.08	89.38	0.21	9
MB-02-02	1.00	10.00	0.30	3.05	2.74	0.11	97.26	0.10	9
MB-02-02	10.00	20.00	3.05	6.10	3.05	0.11	96.78	0.09	9
MB-02-02	20.00	30.00	6.10	9.15	3.05	0.11	97.84	0.16	9
MB-02-02	30.00	40.00	9.15	12.20	3.05	0.22	91.31	0.21	9
MB-02-02	40.00	46.00	12.20	14.02	1.83	0.17	94.37	0.19	9
MB-02-03	5.00	10.00	1.52	3.05	1.52	0.24	96.08	0.29	9
MB-02-03	10.00	20.00	3.05	6.10	3.05	0.28	96.96	0.51	9
MB-02-03	20.00	30.00	6.10	9.15	3.05	0.36	96.76	0.59	9
MB-02-03	30.00	40.00	9.15	12.20	3.05	0.59	87.39	0.24	9
MB-02-03	40.00	50.00	12.20	15.24	3.05	0.29	93.87	0.31	9
MB-02-03	50.00	60.00	15.24	18.29	3.05	0.30	87.97	0.67	9
MB-02-03	60.00	70.00	18.29	21.34	3.05	0.42	88.44	0.19	9
MB-02-03	70.00	75.00	21.34	22.87	1.52	0.51	92.92	0.16	9



MONTEITH BAY RESOURCES LTD.

MONTEITH BAY GEYSERITE QUARRY

LOCAL GEOLOGY and DRILLHOLE LOCATIONS (1)

N.T.S. 92L/3W	DATE Feb. 25, 2002	SCALE as shown 1:500
WORK BY J. T. Shearer, M.Sc., P.Geo.		FIGURE 6