MAR 20050008: NORTHWEST

Received date: May 06, 2005

Public release date: Feb 07, 2007

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20050008

NORTHWEST ALBERTA PROJECT

Mineral Assessment Report (Revised)

Metallic and Industrial Minerals
Permit Nos. 939701001 and 939701002
Permit Holder Alan David Lewis

Submitted by

713803 Alberta Ltd

December 6, 2006

Table of Contents

Executive Summary

Activities of 713803 Alberta Ltd. May 2003 to April 2005

The last mineral assessment report was submitted on May 12, 2003. Since that time the activities of 713803 Alberta Ltd. have been primarily a continuation of testing of ore pretreatment and assay analysis techniques at Mr. Lewis' home-based lab facilities.

Mr. Lewis has continued to improve and extend his facilities. Photographs of his equipment are included in this report.

Unfortunately, consistent with prior experience, none of that additional work in the period since May 2003 has been successful in establishing either the existence of significant quantities of precious metals on a widespread basis in the ore bodies or a commercially viable technique to extract those precious metals.

713803 Alberta Ltd. has maintained contact with other companies or individuals who are pursuing similar efforts to extract precious metals from similar ores to determine if any joint efforts are feasible. These discussions have not led to any joint ventures at this time.

1.0 Introduction

713803 Alberta Ltd. was incorporated in 1996 for the purpose of pursuing exploration and development of potential precious metal bearing properties in northwestern Alberta including the properties that are the subject of this report held under metallic and industrial minerals permit #9397010002 and #9397010001 in the name of Alan David Lewis, a shareholder of 713803 Alberta Ltd. (see figure 1.1 showing mineral permit location).

Previous Mineral Assessment Reports have been filed on May 14, 1999, May 17, 2001 and May 12, 2003. This report describes the further work conducted in the period from May 2003 to April 2005 which has consisted almost entirely of continuing lab analysis by Alan Lewis in his home based facilities supported by external commercial lab analysis. For completeness and ease of reference certain extracts of earlier reports are included in this report

Some of the analytical work performed by Mr. Lewis in the current reporting period has been based on suggestions and input received from Mr. Norm Smalley, a 713803 Alberta Ltd. shareholder who is also a well experienced independent assay analyst.

Contact has been maintained with Birch Mountain Resources Ltd. to determine if there was interest in pursuing any exploration/analysis work on the subject permit lands or sample ores

These various activities will be described in more detail in the following sections of the Report.

2. Lab Scale Mineral Content Analysis

Lab scale analyses were conducted by:

- Al Lewis (51 tests in total) at his home lab
- Loring Laboratories Ltd.
- SGS Lakefield Research Limited

Each of these series of tests will be described below.

2.1 Al Lewis

An overview of the qualifications and experience of Mr. Lewis is provided.

Mr. Lewis first became interested in gold mining in the nineteen seventies. Through reading, visits to gold mining operations in Australia and the Yukon and discussions with people active in the mining industry, Mr. Lewis developed sufficient knowledge and interest to initiate his first actual mining activity in the Yukon in 1980.

During the next seventeen years from 1980 to 1997, Mr. Lewis and his associates mined several properties in the Yukon including Bonanza Creek, Vancouver Creek, and the Moosehorn Range with varying degrees of success. In some years, 40 to 80 oz. of gold per day was successfully mined over the course of the 90 day summer Yukon mining season.

In the mid nineteen nineties, Mr. Lewis became aware of the gold potential of Northwestern Alberta and through his knowledge and experience developed a proposal that was successfully presented to 10 other investors in 1996 resulting in the formation of 713803 Alberta Ltd. These individuals, along with Mr. Lewis, remain the shareholders of 713803 Alberta Ltd. to the present day.

Mr. Lewis equipped his own testing lab using the knowledge he had gained in the seventeen years of Yukon mining experience. Supplemented by additional discussion and reading germane to the "fine gold" type of ore found in Northwestern Alberta, Mr. Lewis developed and continues to develop the analytical approaches that are being used by 713803 Alberta Ltd.

In the early years of 713803 Alberta Ltd.'s activities, confirmation of the quality of Mr. Lewis' laboratory facilities and analysis was provided by Mr. Doug Read, President of Cantech Laboratories Inc. Mr. Read confirmed in a letter provided to 713803 Alberta Ltd. that the work performed by Mr. Lewis was reliable and consistent with established practices of commercial laboratories.

A copy of the letter provided by Mr. Read, dated September 15, 1997 was included in 713803 Alberta Ltd.'s original 1999 assessment report dated May and is again included as attachment 2.1.1 in Section 2 of this report. Since the time of writing of Mr. Read's

letter, Mr. Lewis has continued to improve the quality of this equipment and now has in place an additional propane-fired furnace and has an improved scale capable of resolution to one ten thousandth of a gram. Mr. Lewis has also obtained a separate lab trailer to house the laboratory equipment, which again improves the quality of operations from the time of Mr. Read's assessment when the lab equipment was housed in a vehicle garage. Photographs of Mr. Lewis' laboratory equipment are included as attachment 2.1.2 in Section 2 of this report

Mr. Lewis and other 713803 Alberta Ltd. shareholders also met with principals of Birch Mountain Resources Ltd., a much larger public company, which has been engaged in research and development of "fine gold" analytical process is in the same time frame as 713803 Alberta Ltd. The purpose of the discussion was to explore analytical approaches to Northwestern Alberta "fine gold" ore samples. The Birch Mountain personnel were similarly supportive of the approaches and analytical techniques undertaken by Mr. Lewis.

A chronological summary of all tests conducted by Al Lewis from April 25th of 2001 to March 26th, 2003 is shown on Table 2.1 entitled "Test Procedures and Values", included as Attachment 2.1.3. Column 1 shows the period of time over which the test was conducted and Column 2 provides the test number.

Column 3 shows the type and source of ore tested and the size of the sample used in the test in terms of the number of assay tons. Of the 51 tests, 33 of the ore samples came from locations within the Lewis permit lands as shown on Figure 1, included as Attachment 2.1.4. The sources of the other 18 samples are described in the notes to Table 2.1. All of the other samples are of ore types similar to those obtained from the Lewis permit lands and were utilized as part of the ongoing efforts to establish viable and repeatable ore treatment and assaying technique. This is the critical knowledge that is necessary to prove up the value of the Lewis permit lands.

The geological assessment of the Lewis permit lands, originally included in the May14, 1999 Assessment Report is included again in this report as Attachment 2.1.5.

Column 4 describes the pre treatment and/or leaching agent used to extract precious metals.

Column 5, entitled "Value", provides the results obtained. Where the bead obtained from a specific test has been analyzed for precious metal content by an external laboratory, the results obtained from the external laboratory are provided. The name and test file number from the external laboratory are provided in Column 6. In those instances where no external analysis has been done the value stated is that measured by Al Lewis. The values stated will be the milligram weight of the bead obtained and that milligram weight converted to a weight of precious metal (in fractions of an ounce) per ton of raw head ore (OPT). This conversion of bead weight to precious metal concentration is achieved by dividing the bead weight by the number of assay tons in the sample that was analyzed.

An assay ton (A.T.) is defined as follows:

1 ton of ore (2000 lbs.) avoirdupois weighs 29166 troy oz.

1 assay ton (A.T.) weighs 29.166 grams.

Therefore, if the 'assay ton' yields 1 mg. of precious metal, it follows that the 2000 lb. ton of ore has a yield of 1 troy oz. per ton of ore.

Finally, column 7 shows the hours of work performed by Mr. Lewis in conducting the test.

2.2 Discussion of Lewis Analytical Techniques and Results

As discussed in previous assessment reports (May 14, 1999, May 17, 2001 and May 12, 2003), 713803 Alberta Ltd. continues to face the challenge of developing and establishing a reliable and repeatable sample pretreatment and leaching techniques to remove and capture the precious metal content from the ore sample. Accordingly, the test analyses reported in the Table 2.1 entitled "Test Procedures and Values" in this assessment report note in Column 3, the various pretreatment and leaching and processes that were used.

The pretreatment agents included:

H2SO4 (sulfuric acid)
NaOH (Sodium hydroxide)
HN03 (nitric acid)

Differing concentrations and proportions of these pretreatment agents were used in the various tests.

Once a sample was pretreated, different leaching agents were utilized to extract the precious metals from the ore samples. These leaching agents included:

HCl (three parts) and HNO3 (one part) (known as Aqua Regia)
NaCl (common salt)
NaBr (sodium bromide)
KI (potassium iodide)

Again, different concentrations of leaching agents realized in various tests. These varying concentrations of leaching agents resulted in differing levels of PH (acid – alkalinity balance) and differing levels of ORP (oxidation reduction potential).

The leached solution was then precipitated and dried. The dried precipitates were then fired in a conventional fire assay and the resulting bead weighed. In certain instances as

noted in the table the bead precious metal content was analyzed by an external lab (Loring) to provide independent confirmation of the results that Lewis was achieving.

The specific concentrations of agents used in the various analyses are not reported in Table 2.1. This is based on the anticipation of 713803 Alberta Ltd. that once repeatable techniques are established that they would provide proprietary analytical knowledge which could be the basis of patent applications.

However, in order to provide the maximum amount of information, copies of Mr. Lewis' laboratory log notes covering Lewis test nos.766 to 830 (redacted to exclude sensitive information) are provided as Attachment 2.2.1. For test #802 to #830 inclusive, additional log notes (Attachment 2.2.2) are provided to describe the typical information that is recorded for the firing process of each test.

As compared to the earlier assessment reports, fewer tests have been performed by Mr. Lewis, but more of the Lewis assay beads were forwarded to external labs for measurement of precious metal content in the beads.

However, the fact that we continue in a few tests to find significant values of precious metal (as confirmed by the Loring tests) provides a basis for continuing efforts to prove the existence of commercially significant levels of precious metals and to ultimately develop a repeatable and commercially viable extraction process.

2.3. Loring Laboratories

All the tests conducted by Loring were to analyze the precious metal content of beads obtained from tests conducted by Al Lewis. Twenty-one Loring test reports are included in chronological order as attachment 2.3.1. An examination of these test results shows that almost all the Loring tests showed measurable precious metal content. However, there was significant variability in precious metal content ranging from some tests where precious metal content was below the detection limits of the tests (e.g., #826 and #827), to others where the measured precious metal content was significant (e.g., # 808 and #810) and represented values within possible commercial feasibility. The majority of the tests produced measurable content, but was below commercial viability.

2.4. SGS Lakefield Research Limited

In June of 2003, Mr. Lewis met with analysts at Lakefield to discuss our project and have Lakefield perform assays on four samples of raw ore, as well as on the material obtained from two Lewis tests (#772 and #774).

The results obtained by Lakefield are included as Attachment 2.3.2. Lakefield did not find any significant quantity of precious metals in the raw samples (nos. 1, 2, 3 and 6 in the Lakefield Report), nor did they find any significant quantity of precious metals in the bead obtained by Lewis in Lewis Test No. 774. The results for Lewis test No. 772 did show measurable quantities.

ATTACHMENT 2.1.1

Douglas Read Letter

CanTech *Laboratories Inc.*

4200B-10 Street N.E.
Calgary, Alberta
Canada T2E 6K3
Tel (403) 250-1901
Fax (403) 250-8265

Kleine Waterstraat 2-6
Box 2510
Paramaribo - Suriname
Tel (597) 421523
Fax (597) 421533

September 15, 1997

713803 Alberta Ltd.
124 Edgehill Close N.W.
Calgary, Alberta
T3A 2X1

Attention: Mr. G.R. Walsh

Re: Assay Procedure (Alan Lewis)

Dear Sir:

At your request, I visited the home of Mr. Alan Lewis in Ponoka, Alberta on July 17, 1997 to view his assaying operation. In adddition to yourself, Alan and Mr. Bob Liddle, two other gentlemen were also present, namely Messrs. Art Wilkins and Barry Luft whom I understood are also participants of this Company.

I make a few comments herewith:

Sample Preparation: The rolling ball mill in use is acceptable and appropriate for this type of operation. I did not see the cleaning of the mill after the sample was prepared; however, Alan assured me that compressed air and brushes were used between samples.

Sample Weighing: A beam balance was used for weighing both the sample and the flux charge for fire assay. A more accurate digital top-loading balance would be more suitable and accurate.

Fire Assaying: The electric furnace in use is acceptable. My only comment would be that the temperature increase is slow and difficult to maintain at the desired temperatures of 1600 F and 2000 F. This lack of temperature control could possibly have some effect on the end result.

...\2

I provided Alan with a CANMET Certified Reference Sample from Ottawa to run alongside the samples he was assaying that day. The result he obtained for this standard was certainly within the accepted range after taking into consideration the possibility of errors arising from the above comments. His result of 0.165 opt compared with the accepted value of 0.25 opt.

Overall I found the procedures for sample preparation and fire assaying carried out by Alan to be of a generally acceptable standard.

I hope this information is of assistance to you. If you have any questions, please do not hesitate to contact me.

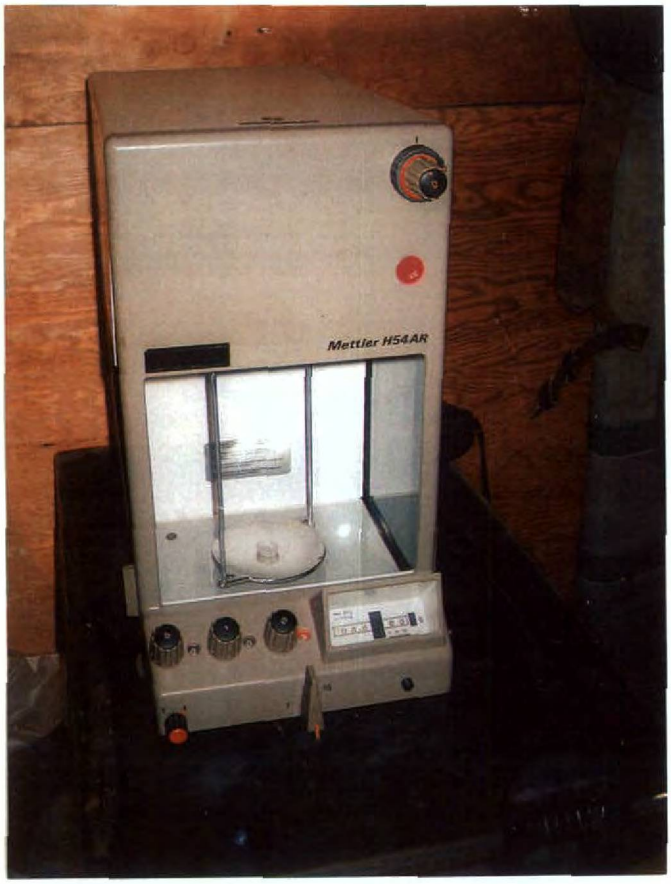
Yours truly,
CanTech Laboratories, Inc.

[redacted]

C. Douglas Read
President

ATTACHMENT 2.1.2

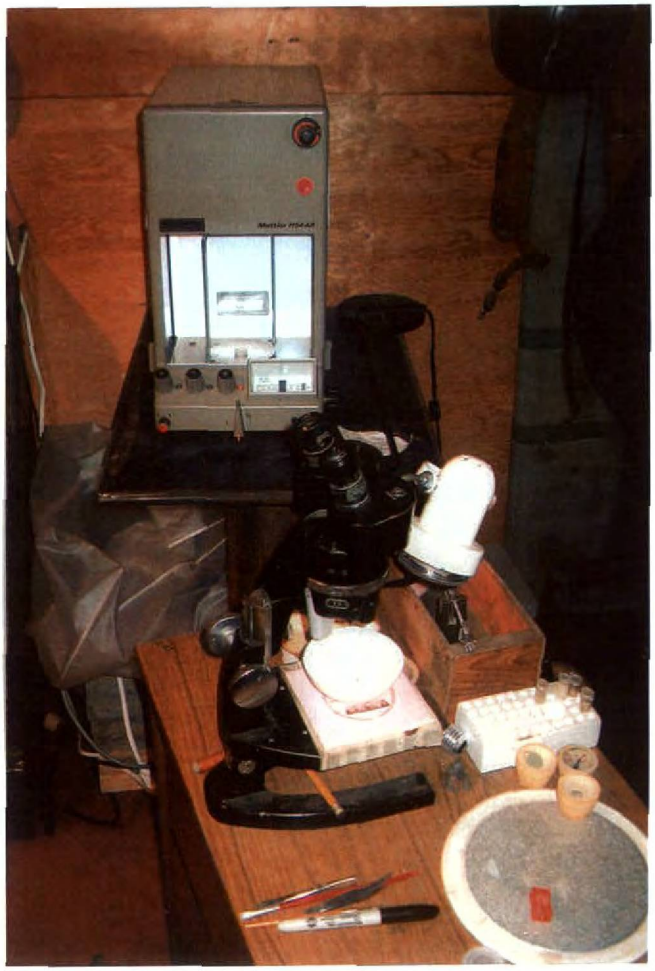
Photographs of Lewis Laboratory Equipment



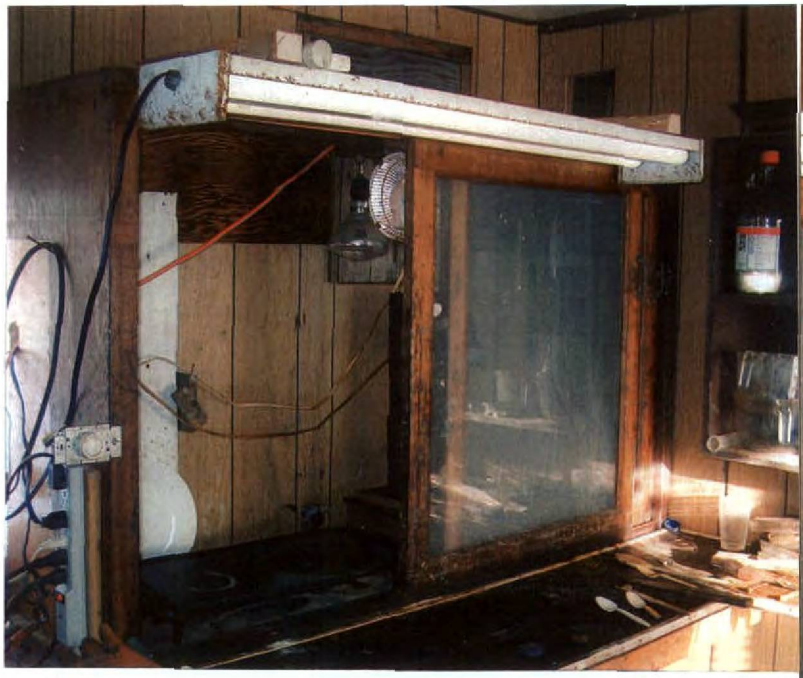
Precision Scale
Accurate to milligram

Microscope 128X & 352X

Balance — to weigh ore
Samples and reagents.



20X 30X 60X
To examine beads etc.



Glass enclosed fume Hood containing drying grill area

Rt. side of Hood with mixing device and hot plate for leaching.

Propane-fired furnace

Electric Cupeling Furnace

ATTACHMENT 2.1.3

Table 2.1

Test Procedures & Values

TABLE 2.1
TEST PROCEDURES & VALUES

(1) DATE	(2) TEST	(3) ORE	(4) PROCESS	(5) VALUE	(6) EXT. LAB	(7) HOURS
Apr. 19-21/03	#766	Roger 3 A.T.	HN03, HCL Zinc precip.	Au and PGMs .24 mg, .08 OPT		26 hrs.
May 1/03	#767	Roger 1 A.T.	HN03, HNOCL	0		16 hrs.
May 5-7/03	#768	Roger 5 A.T.	Chloride Zinc precip.	Not parted Au,Ag and PGMs 0.532mg., .106 OPT		15 hrs.
May 13/03	#769	20% from #768	Roasted dish broke	0		12 hrs.
May 14/03	#770	20% from #768	Sodium Nitrite NaHC4	Au and PGMs. .22mg., .22 OPT		10 hrs.
May 15/03	#771	20% from #768	Bicarbonate Sodium Nitrite	Au and PGMs. .10 mg., .10 OPT		12 hrs.
May 18/03	#772	Roger 5 A.T.	Chloride	Au 1.30 g/t. Pt. 1.45 g/t Pd. 0.56g/t	Lakefield #CA9457	11 hrs.
May 26-27/03	#773	Roger 5 A.T.	Chloride	trace Au.		14 hrs.
Jun. 2-3/03	#774	Roger 5 A.T.	Chloride	Au. <0.0002 g/t Pt. 0.0007 g/t Pd. <0.0002 g/t	Lakefield #CA9457	15 hrs.
Jun. 14-15/03	#775	Roger 5 A.T.	NaBr, KI Pretreat H2SO4	Au. And PGMs .20 mg., .04 OPT		18 hrs.
Jun. 24-25/03	#776	Roger 5 A.T.	Pretreat H2SO4 NaBr, KI	Au. and PGMs 0.21 mg., .042 OPT		23 hrs.
Jul. 7-8/03	#777	Roger 5 A.T.	Pretreat Na OH NaBr., KI	Not parted Au,Ag and PGMs 0.363 mg.,.073OPT		10 hrs.

(1) DATE	(2) TEST	(3) ORE	(4) PROCESS	(5) VALUE	(6) EXT. LAB	(7) HOURS
Jul. 23-25/03	#778	Roger 5 A.T.	NaBr	Not parted Au,Ag and PGMs 0.15mg., .03 OPT		33 hrs.
Jul. 31, Aug. 7-9/03	#779	Roger 5 A.T.	Chloride	Lost		29 hrs.
Aug. 14-15/03	#780	Roger 20 A.T.	Chloride	Au and PGMs. 0.82mg., .041 OPT		22 hrs.
Sept. 8-10/03	#781	Roger 5 A.T.	Chloride	Au,Ag,PGMs 0.21mg. ,.042 OPT		31 hrs.
Oct. 2/03	#782	Conglomerate 5 AT	HNO3 HCL	Au,Ag, PGMs 0.07mg., .014OPT		13 hrs.
Oct. 7/03	#783	~~Plant~~ 5 A.T. Note 1	Aqua Regia	Au, Ag, PGMs 0.03mg.,.006 OPT		11 hrs.
Oct. 18/03	#784	Plant 5 AT Note 1	Aqua Regia	Au trace		11 hrs.
Oct. 21-22/03	#785	Roger 5 A.T.	NaBr, KI	Au and PGMs .035 mg.,.007 OPT		16 hrs.
Nov. 4-5/03	#786	Chin. 5 A.T. Note 2	NaBr, KI	Au and PGMs 0.21 mg., .044 OPT		21 hrs.
Dec. 8-11/03	#788	Roger 5 A.T.	NaBr, KI	Au .0035mg, .0007OPT	Loring #46193	36 hrs.
Dec. 20-21/03	#789	Roger 5 A.T.	Chloride	Au .0016mg.,.0003 OPT	Loring #46257	22 hrs.
Note:nos 790 to 801 not used						
Feb. 11/04	#802	Roger 5 A.T.	NaBr, KI	Au .0069mg, .007 OPT Pt .001mg, ..001 OPT Pd..0015 mg., .0015 OPT	Loring #46385	12 hrs.
Feb. 12-13/04	#803	Roger 5 A.T.	NaBr, KI	Au. .019 mg, .019 OPT Pt..0025 mg., .003 OPT Pd..0018 mg., .0018 OPT	Loring #46385	17 hrs.
Mar. 9-10/04	#804	Far West 5 A.T.	NaBr.,KI	Au. .065mg., .014 OPT	Loring #46428	18 hrs.
Mar. 18-19/04	#805	6-26, 5 A.T. Note 1	NaBr	Au .0198mg. ..0198 OPT	Loring #46466	18 hrs.

(1) DATE	(2) TEST	(3) ORE	(4) PROCESS	(5) VALUE	(6) EXT. LAB	(7) HOURS
Mar. 30, Apr. 1/04	#807	Cong. 5 A.T.	NaBr	Au .135mg .027 OPT	Loring #46476	21 hrs.
Apr. 17-29/04	#809	Cong. 5 A.T.	Aqua Regia	Au .032 mg., .0064 OPT	Loring #46548	26 hrs.
May 5-7/04	#808	6-26 Plant Note 1	Aqua Regia	Au .505mg., .505 OPT	Loring #46549	27 hrs.
May 7-10/04	#810	Far West 5 A.T.	Aqua Regia	Au .836mg., .167 OPT Pt .0059mg .0012 OPT	Loring #46618	31 hrs.
May 27-30/04	#811	Ron. 5 A.T. Note 1	Aqua Regia	Au .086mg, .017 OPT	Loring #46672	42 hrs.
Jun. 14-18/04	#812	Chin. 5 A.T.	Aqua Regia	Au .022mg., .004 OPT	Loring #46745	36 hrs.
Jun. 20-27/04	#813	Cong. 5 A.T.	Aqua Regia	Au .026mg,, .005 OPT	Loring #46745	32 hrs.
Jun 24-27/04	#814	Sand under Cong. 5 A.T.	Aqua Regia	Au .024 Mg., .0048 OPT	Loring #46745	30 hrs.
Jul. 6-10/04	#815	Conglomerate 5 A. T..	Aqua Regia	Au .056mg., .0012 OPT	Loring #46774	46 hrs.
Jul. 24-27/04	#816	Far West 5 A.T.	NaBr	Au .079mg., .0158 OPT	Loring #46803	36 hrs.
Aug. 3-6/04	#817	Reg. 5 A.T. Note 3	NaBr	Au .015mg., .003 OPT	Loring #46881	36 hrs.
Aug. 12-15/04	#818	6-26 3.5 A.T. Note 1	Aqua Regia	Au .048mg., .0137 OPT	Loring #46881	36 hrs.
Aug. 18-19/04	#819	Worsley 5 A.T. Note 4	Aqua Regia	Au .012 mg.,.0024 OPT	Loring #46881	32 hrs.
Aug. 30-31/04	#820	6-26, 5 A.T. Note 1	NaBr	Au .012 mg., .0024 OPT	Loring #47103	21 hrs.
Sept. 19-21/04	#821	6-26, 5 A.T. Note 1	Aqua Regia	Au .031mg., .0062 OPT	Loring #47103	36 hrs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)

DATE	TEST	ORE	PROCESS	VALUE	EXT. LAB	HOURS
Oct. 12-13/04	#822	Reg. 10 A.T. Note 3	NaBr	Au 0.712 mg., .0712 OPT	Loring #47175	20 hrs.
Dec. 2/04	#823	Reg. 4 A.T. Note 3	NaBr	Au .012 mg., .003 OPT	Loring #47253	13 hrs.
Dec. 12-13/04	#824	Reg. 3 A.T. Note 3	NaBr	Au .015 mg. .005 OPT	Loring #47253	21 hrs.
Jan. 10/05	#825	Reg. 3 A.T. Note 3	NaBr KI	Au .003 mg., .001 OPT	Loring #47253-1	17 hrs.
Jan. 19-20/05	#826	Far West 3 A.T.	Chloride	trace Au	Loring #47350-Feb 1	26 hrs.
Jan. 27-30/05	#827	Far West 3 A.T.	Aqua Regia	trace Au	Loring #47350-Feb 11	24 hrs.
Feb. 10-11/05	#828	Far West 2 A.T.	Aqua Regia	Au .017 mg. .0085 OPT	Loring #47421	21 hrs.
Mar. 1-4/05	#829	Far West 4 A.T.	Aqua Regia	Au .080 mg. .020 OPT		33 hrs.
Mar. 24-25/05	#830	Ron 5 A.T. Note 1	Aqua Regia	Au ..530 mg., .106 OPT		28 hrs.

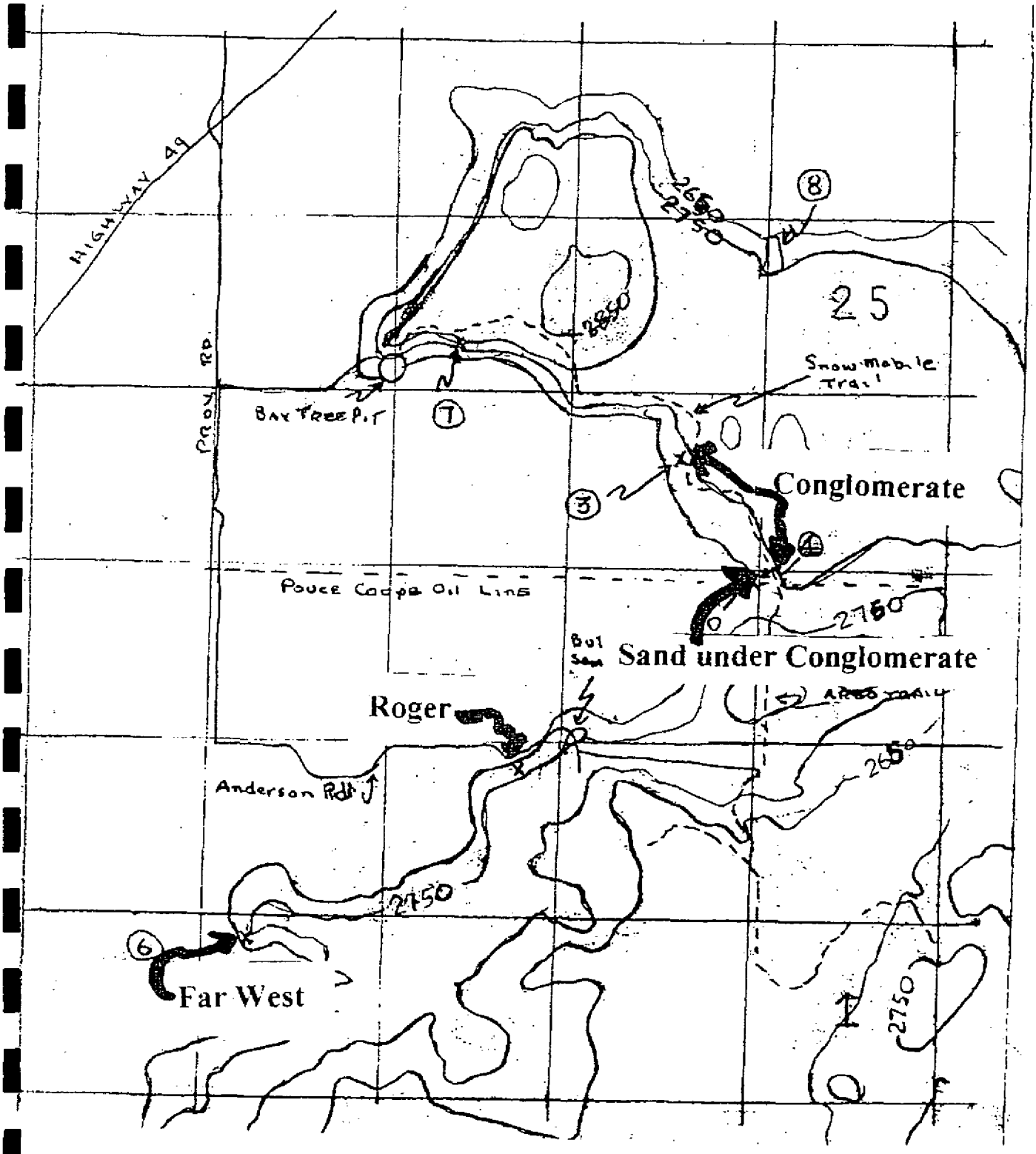
Notes re: source of Ore Samples from areas other than Lewis permit lands
All ore samples from other locations are from locations where ore has similar characterisitics to ore on Lewis permit lands
Note 1: Samples are from the *vicinity* of *gas well and plantsite in Section* 26 Twp 79 Rge 9 W6M
Note 2: Samples are from outcrops along Chinchaga River ,160 km N.W.of Hinton, near Alta/B.C border
Note 3: Samples are from a location 7km southwest of Dawson Creek
Note 4: Samples are from Worsley area, 95 km northeast of Baytree along Highway 49

ATTACHMENT 2.1.4

Location of Ore Samples

TWP 78 RGE 13 W6M

Figure 1 – Sample Source Location



– 2750 – SURFACE ELEVATION

ATTACHMENT 2.1.5

Geological Interpretation Report

Attachment 1

Geological Discussion

3. Geological Interpretation Report

The 713803 Alberta Ltd. geological interpretation of the "west" permit area, as it relates to the Bad Heart sandstone and conglomerate deposits is set out in the following report entitled "Geological Survey, November 11-12, 1997" prepared by A.A. Wilkins, P.Geol.[1]

Also attached is a copy of a field drilling report prepared by the Manager of Drilling, Mr. B. Luft, for activity undertaken during the period March 21 through March 25, 1998 (Attachment 3.1). This report has been previously submitted to the Alberta Land and Forest Service on May 22, 1998.

[1] Note that further interpretation letter reports have also been provided by Placer Dome North America (Section 5.1) and BHP Minerals Canada Ltd. (Section 5.2).

Geological Survey November 11-13, 1997

A geological Field Trip was made to the West Permits to determine the best location to capture bulk samples for analysis.

Base Camp was established at the Airport Motel in Dawson Creek on November 11, 1997. Using Alan Lewis' 4x4 Dodge Ram Extended Cap Truck and all terrain ARGO low pressure rubber tire 8 wheel vehicle Messrs. Lewis, Luft, and Wilkins carried out a two day geological field trip over 713803 Alberta Ltd.'s West Permits and adjacent lands.

Although unanimous agreement concerning the geological interpretation of the West Permits was not reached, the following summarizes the writer's observations and opinions regarding the stratigraphic nature of the Bad Heart Conglomerate and Sandstones at eight (8) locations visited during the field trip. (See Map 1).

Day 1 November 12

Site (1) NW ¼ Section 29 78 12 W6M (Not on Map)

This site, a local "gravel pit" on crown lands, sits approximately two miles east of the West Permit's eastern boundary. Access was reached by foot from a good condition provincial road. Very little sediment has been removed from a twenty foot high glacial mound of poorly sorted clays, sand, pebbles and boulders. A very poor access road, mainly ice covered, probably is the reason why only limited amounts of material have been taken from this pit. The surface elevation of the pit ranges between 2650 and 2700 feet therefore the top of the Bad Heart Sandstone has been glacially eroded. Drilling would be required to determine:

1) the surface elevation and thickness of the Bad Heart Sandstone; or
2) if it has been totally glaciated at this location

Site (2) N ½ Section 10 78 13 W6M

Access to this location was reached, from Site 1, by Lewis' 4x4 truck with the ARGO in tow. Travelling in a south and southwesterly direction the surface elevation ranged between 2650 and 2850+ feet over the eight miles traversed. Road conditions, provincial and well site, over the eastern portion of the West Permit varied from good to very poor. Timber in the area is mainly mature poplar with some spruce growing out of clayey glacial debris. The Bad Heart Sandstone was not observed to outcrop along this road traverse.

At the Site, Luft and Wilkins walked a ¼ mile South to North traverse along a cut line from an abandoned well site in the NW ¼ of section 10 to the boundary of section 15 (Anderson Road). Glacial debris caps the hill at the well site location. About 200 feet of elevation drop took place from the beginning to the end of the traverse (2793 to 2600 feet).

No out crops of the Bad Heart Sandstone were observed, however it was evident from sediments contained in the root systems of fallen trees that the Bad Heart Sandstone lies very close, within 1 to 3 feet, of the surface at this location.

The sample collected by Luft and Lewis in this locality, during their September trip, is probably a mixture of indigenous Bad Heart Sandstone and glacial debris. Also, in close proximity to this location, a large (1 and ½ ton) bulk sample was taken by Lewis and Wilkins during the brutally cold winter of 1996. No further samples were collected from this site since Lewis has carried out numerous assays on the bulk sample sediments, as well as the material mentioned above, collected in September.

Site (3) NW ¼ Section 23 78 13 W6M

The ARGO was used to reach this location, following a quick carburator overhaul done by Lewis with Luft's assistance. A good trail (ARGO TRAIL) about 30 feet wide, impassible in places by a 4x4, runs due north along the western boundary of section 13 and then NNW across section 23. Logging of poplar trees has occurred along this trail with preparations underway for further removal of timber during the upcoming winter.

This site was first visited in the winter of 1996 by Wilkins. Access was gained, from the west, by snowmobile operated by a local farmer/trapper who resides in the Spirit River Area. Messrs. Fonteyne, M. Frost and Lewis collected samples from this site and surrounding area this past summer. As well Luft and Lewis collected bed rock samples from this site during their September trip.

About 45 feet of Bad Heart Conglomerate outcrops at this location, forming a near vertical cliff face. Considerable spalling and slumping has taken place dislodging large, up to 40 x 40 foot blocks, of conglomerate. The sandstone has a gradual slope, about 3.0 degrees, and is covered by topsoil and vegetation. The conglomerate was observed to outcrop 50 to 75 yards to the east of the cliff face. To the SE for about 1/2 mile the conglomerate outcrops and is generally covered by a thin layer of moss. To the NW the cliff face can be seen extending almost to the Bay Tree pit.

Bot the conglomerate and sandstone dip about 5 degrees to the East, although a true dip reading is not possible because of the slumping that has occurred at this location. Samples of the conglomerate and sandstone (at the contact point) were collected. It was observed that the grain size of the conglomerate pebbles increased from the base to the top of the exposed interval suggesting a shore line environment rather than channel fill.

Site (4) NW ¼ Section 14 78 13 W6M

A glaciated depression forms a draw and shallow saddle between the two major topographic highs on the West Permit. The Pouce Coupe oil pipeline right-of-way runs up the center of this draw along the northern border of section 14. Luft and Lewis collected a sample from this right-of-way during their September trip. Rounded glacial boulders, granite and quartzite, were observed at the sample collection site as well as 20 feet below such site where a large uprooted tree exposed the underlying sediments. Sufficient platy sand fragments were observed at both locations to indicate that the glacial till probably contains, in part, Bad Heart Sandstone indigenous to the area.

Day 2 November 13

Base Camp was Vacated at 8:30 a.m.

Site 5 Tree Tower Pit (Located in B.C. 3 Miles due West of Section 4 of West Permits) (Not on Map)

Site 6 NW ¼ Section 4 78 13 W6M

This site was reached by ARGO, travelling south on a cut line which runs along the eastern boundary of Section 8 and then east on a very old cut line, heavily overgrown by 2 to 3 inch poplar trees. Luft and Lewis collected random samples from this cut line near the 2700 to 2750 foot surface elevation during such trip. A short distance to the south of the cut line Wilkins observed and collected samples from Bad Heart Sandstone outcrops which were discovered at 2750, 2700 and 2675 foot surface elevations. The sandstone dips in the range of 5 to 10 degrees to the east at this location although some slumping may have taken place. The Bad Heart Conglomerate was not found at this location.

Site 7 SW ¼ Section 27 78 13 W6M

Luft and Wilkins accessed this location by foot climbing in a northeasterly direction from the Bay Tree pit. The northwestern end of the horseshoe shaped cliff escarpment was intersected about ½ mile from the Bay Tree pit. At this location, the cliff is capped by 1 foot of conglomerate underlayen by cliff forming sandstone. Total vertical thickness, "eye balled" from the top of the cliff, is estimated to be 25 to 30 feet. Samples from both the conglomerate and sandstone were carried back to the 4x4 at the Bay Tree pit.

Site 8 NW ¼ Section 25 78 13 W6M

This site, referred to as the Moxely Pit, was accessed by the Dodge 4x4 via a good provincial road. The Bad Heart Sandstone is within 1 foot of the surface at this location. The surface elevation ranges between 2750 to 2700 feet. Interbedded in the sand is 1 foot of conglomerate occurring 5 feet below the top of the sand. This conglomerate is finer grained and more friable than the cliff forming conglomerates observed at the other sites. Samples of the conglomerate and sandstone were collected.

General Topography & Stratigraphy

The thickest exposed Bad Heart conglomerate section observed was at Site 3. Pit excavations at Sites 5 & 8 expose the thickest sections of Bad Heart Sandstone. The most extensive removal of the Bad Heart formation has occurred at the Bay Tree pit which covers an area the size of a CFL football field from the pit's entrance to the eastern rim of the pit. Drilling will be required to confirm the remaining thickness of sandstone, however, a good estimation would be that about 5 feet of sand remains below the base of the pit. There is possibly an unexcavated 10 foot tier of sandstone about 50 by 30 yards remaining in the pit below the glacial till deposit which forms the topographic high (2800+ feet surface elevation) on the north side of the pit. (See schematic X Section 1).

The Bad Heart conglomerate is interpreted to be a shoreline deposit about 55 feet in thickness where it outcrops at Site 3. It occurs as a wedge in the sandstone sequence thinning to the northwest and the southeast. Based on a discussion held with a local Spirit River resident, who worked for NOVA during its pipeline construction in the area, the conglomerate extends several miles to the east. If dip readings at Site 3 are true the conglomerate will occur at increasing depths to the east. Overburden thickness will also be significantly greater in some areas. (See Schematic X Section 2).

More detailed mapping will be necessary to confirm the wedge-like nature of the conglomerate and facies change to sandstone along the horseshoe bluffs in sections 23 & 27.

The Bad Heart conglomerate is dark grey in color. Grain size of the pebbles varies form ¼ to 1 inch and all are rounded or oval in shape. The pebbles are predominantly micro crystalline quartz or chert. The cementing agent is non-calcareous, probably silica. The matrix consists of fine sandstone and silt with only minor amounts of argillaceous material typical of a shoreline deposit. Grain size orientation provides the rock with considerable strength and hardness in one direction. However, when fragments are broken away from the outcrop they become very friable.

The Bad Heart Sandstone is tan in color composed predominantly of poorly rounded and irregular clear quartz grains in a very argillaceous matrix. The rock is weakly silica cemented and rock integrity results form packing of the argillaceous matrix.

The sandstone is interpreted to be marine deposit laid down in a tectonically active basin. Diastrophism formed the Peace River Arch, an uplift which occurred throughout the depositional history of the northwestern portion of the Western Canada Sedimentary Basin. Rapid sedimentation, in the geological sense, lays down poorly sorted argillaceous sandstones which the Bad Heart sandstone typifies.

The thickness of the Bad Heart sandstone underlying the West Permits is at least 90 feet. The base of the sandstone has not been seen in outcrop, however, the base of the Bay Tree pit may be near the contact with the underlying formation which is most likely a shale deposit (Muskiki Shale).

Bedding planes have been observed in outcrop sections and pit excavations. Bed thickness varies between only a few inches to over five feet. In sections where the sand is thinly bedded (platy), the rock splits along muscovite rich bedding planes.

Summary and Conclusions

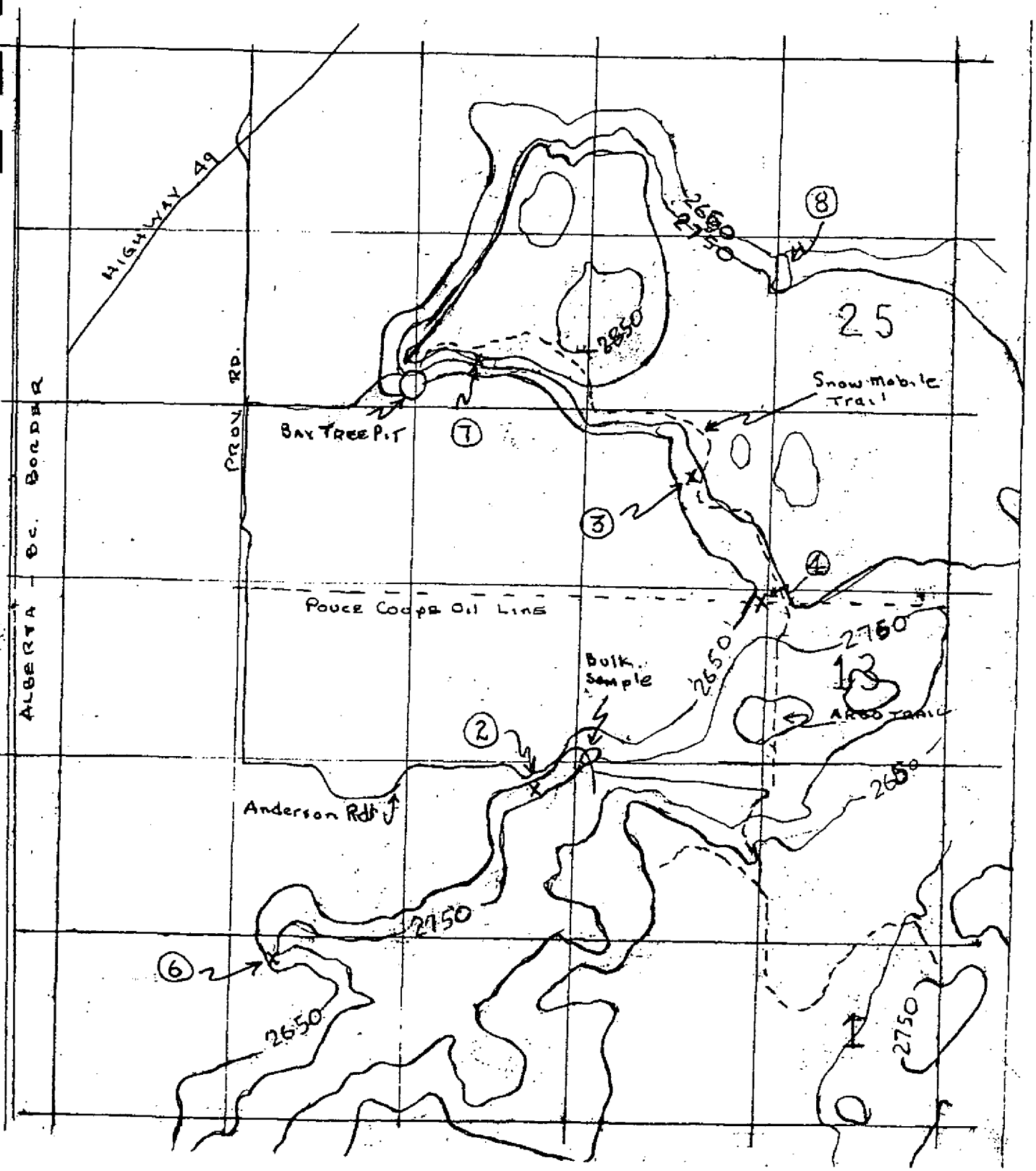
Field geology has identified 4 large areas where conglomerate and/or sandstone rock is within 1 foot of the surface. (See Map 2).

More selective analysis of the samples collected at the above sites will be necessary.

Sites 2 & 8 are the most easily accessible for bulk sample collection. Sites 3 & 7 may become more readily accessible if logging operations upgrade the roads into these sites.

TWP 78 RGE 13 W6M

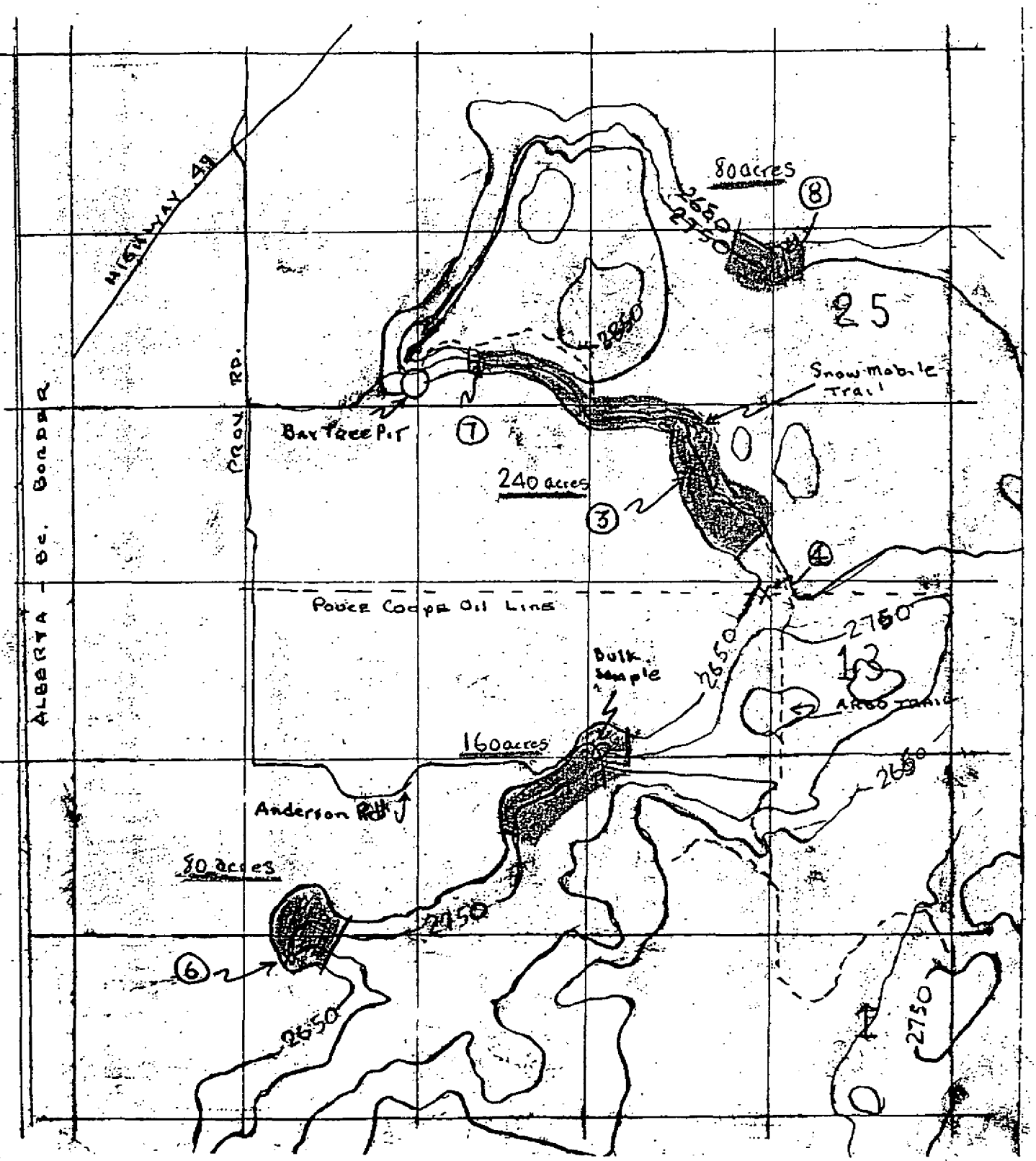
MAP 1



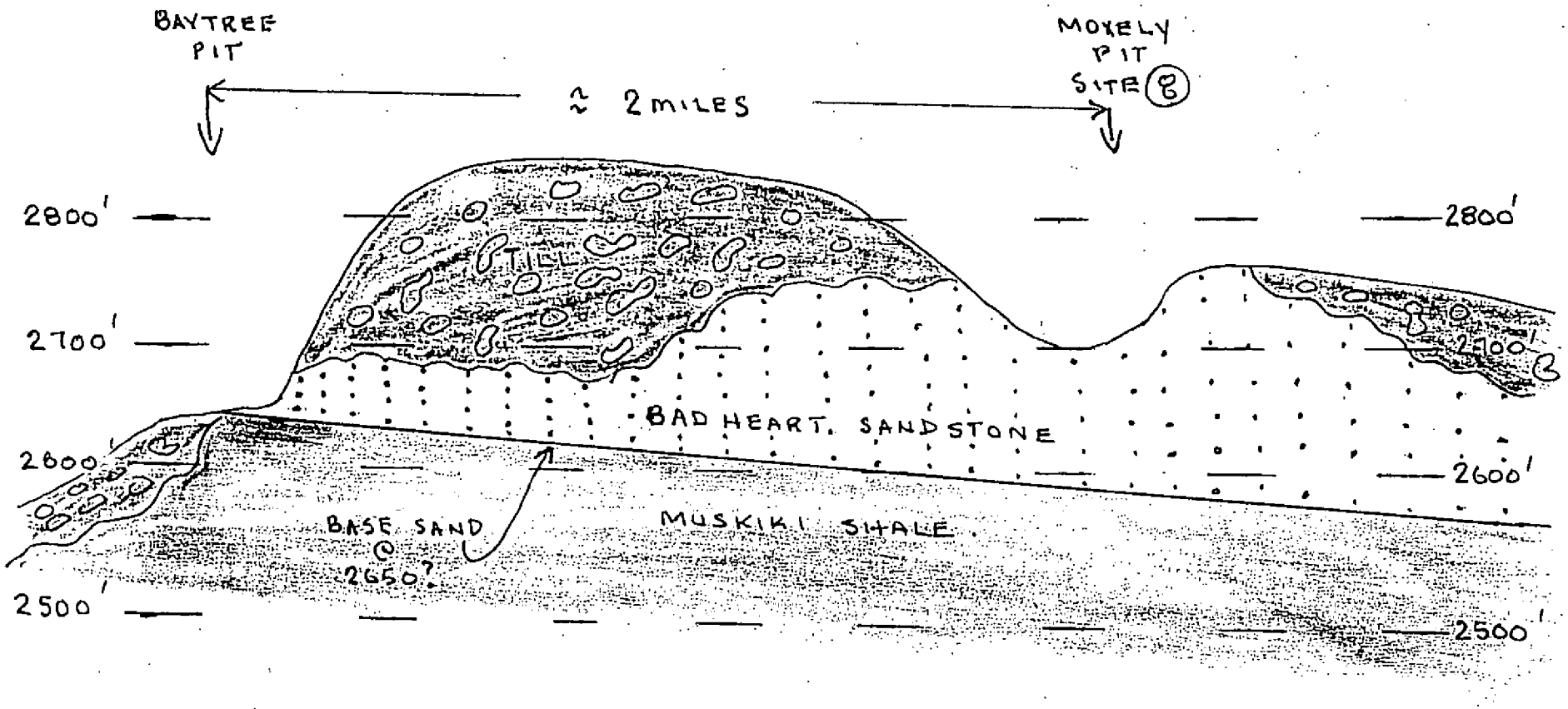
– 2750 – SURFACE ELEVATION

TWP 78 RGE 13 W6M

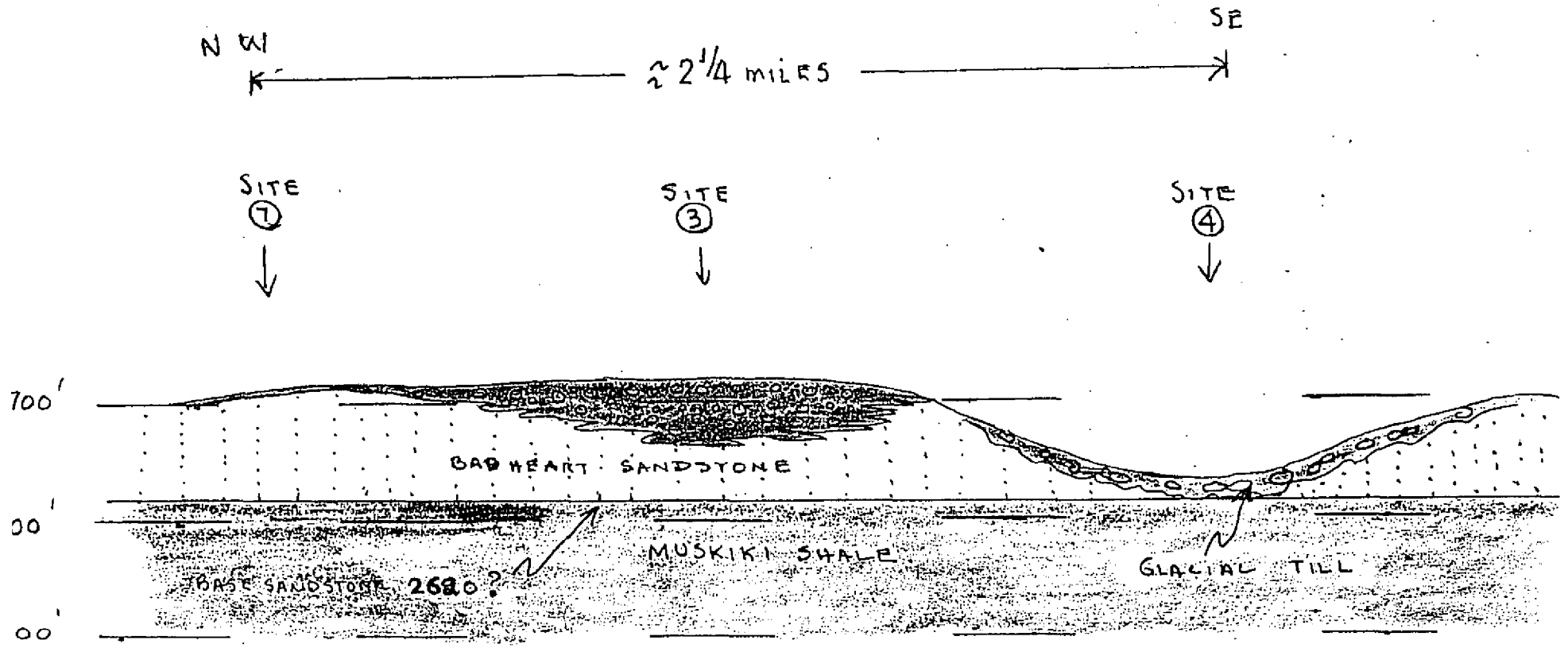
MAP 2.



– 2750 – SURFACE ELEVATION


S.W.
N.E.
BAYTREE PIT
MOXELY PIT SITE (8)
≈ 2 MILES
2800'
2700'
2600'
2500'
2800'
2700'
2600'
2500'
TILL
BAD HEART SANDSTONE
BASE SAND @ 2650?
MUSKIKI SHALE

SCHEMATIC X-SECTION (2)



B.G. Luft
116 Oakland Place S.W.,
Calgary, Ab. T2V 4M8

Phone (403)251-4508
Fax (403)251-4508

May 22, 1998

Mr. Ralph Jamieson
Exploration Technologist
Disposition Services Branch
Lands and Forest Service
Petroleum Plaza, South Tower
9914 - 108th Street,
Edmonton, Alberta
T5K 2G8

Dear Mr. Jamieson,

Re: Exploratory Drilling, Baytree, Alberta
713803 Alberta Limited
Exploration Licence #5145

Enclosed are five copies of the final report on the exploratory drilling activity undertaken by 713803 Alberta Ltd. during March 23 and 24, 1998.

Also enclosed are copies of a summary report sent by our Mr. Alan Lewis to Mr. Cory Wojtowicz, Forest Officer, Land and Forest Service, in Grande Prairie, Alberta.

The drill cutting samples, 27 in all, have been forwarded to Mr. Dixon Edwards, P. Geology, at the Alberta Geological Survey in Edmonton.

Please contact myself or Bob Liddle at (403)239-4546 if you have any questions or comments.

Thank you.

Barry Luft
for 713803 Alberta Ltd.

FIELD REPORT

Saturday March 21 - Wednesday March 25, 1998

The objective was to arrange and oversee the drilling of six test holes to define the geographical extent, overburden depth and gross thickness of the Bad Heart conglomerate zone. Cutting samples were taken at all six wells.

SATURDAY - MARCH 21

Lewis and Luft travelled to Hythe, Alberta and met with representatives of Hopper Drilling. (The principals of Hopper Drilling are located in Beaverlodge, Alberta, but their shop is in Hythe). We arranged to meet with the driller and his helper (Murray and Chad) in Pouce Coupe on Sunday, to travel to our permit area and determine the viability of the drilling program. Arrangements completed, Lewis and Luft progressed to Dawson Creek.

SUNDAY - MARCH 22

We met with drillers in Pouce Coupe at 9 A.M., then travelled to the site of the recent oil well on the 'Anderson Road' (16-9-78-13), unloaded skidoos and travelled to site of #1 proposed test hole (NE/4 - Lsd. 16-9-78-13) at the top of the hill at the junction. It was apparant that the road would have to be snow-plowed prior to bringing in the drilling rig and water truck. Al and Murray continued on the snowmobiles to reconnoiter the other potential drill sites. All required some snow-plowing of roads, trails or cut lines to provide accessibility. We returned to Pouce Coupe and met with Herb Nodes of Nodes Construcion, to arrange for snow-plowing equipment. Herb agreed to provide a D-6 caterpillar tractor for Monday morning. We arranged to meet at the 16-9 lease site before 8 A.M. The driller agreed to be there shortly after 8 A.M. It was clear that any travel with heavier equipment had to occur prior to 9 A.M. NOTE: There was a 10 A.M. to 10 P.M. road ban in effect in Alberta.

MONDAY - MARCH 23

Truck carrying the D-6 showed up at 16-9 lease at approximately 7:43 A.M., unloaded, attached dozer blade and proceeded to snow-plow the 'Anderson Road'. We reached #1 drill site at 8:55 A.M. Drilling rig and water truck arrived at the same time. Drill rigged up and started drilling at 9:25 A.M.

**** #1 NE/4 of Lsd. 16-10-78-13 Elev. 2750' TD 60'
Sample intervals 0-10, 20-30, 30-40 and 40-50.

DRILLERS COMMENTS:
Encountered brown sand(stone?) at 4'
Grey sand(stone?) at 7'
Brown sand(stone?) to 17'
2 or 3 ft. shale lens at 17'
Brown sandstone from 20' to 30'
Thin shale lens at 30'
Brown sandstone to 35'
Sandstone and shale to 40'
Brown sandstone to 52'
Grey shale from 52 to 60'
End of stand - quit drilling

Cleaned up site and filled hole (didn't have enough cuttings to completely fill hole, so returned on Tuesday and completed filling with bagged produce supplied by driller). Travelled east to gas plant, then north to pipeline right-of-way to second site, immediate north side of the right-of-way. Rigged up and started drilling #2 at 11:50 A.M.

**** #2 NW/4 of Lsd 8-14-78-13 Elev. 2760' TD 60'
Sample intervals 0-10, 10-20, 20-30, 30-40, 50-60

DRILLERS COMMENTS:
Blue clay
Some brown sand returns at about 5'
Blue clay at 6'
Blue clay all the way to 60'; odd brown SS rock
End of stand, quit drilling

Cleaned up site, filled hole, rigged down and returned to north/south road, and proceeded north to the southwest corner of logged out area. Moved to site #3 and rigged up - started drilling at 2:40 P.M.

**** #3 NE/4 of Lsd. 13-13-78-13 Elev. 2760' TD 80'
Sample intervals 30-40, 40-50, 50-60, 60-70, 70-80.

DRILLERS COMMENTS:
Blue clay from surface to 42'
Conglomerate at 42'
Hard drilling at 64' - sandstone?
Changed bits at 64'
Still conglomerate to 72'
Encountered grey sandstone at 72'
End of stand at 80' - still grey sandstone
Quit drilling at 80' --- Time: 4:10 P.M.

Cleaned up site and filled hole - rigged down and moved east along the cutline towards #4 site.

TUESDAY - MARCH 24

****#4 NE/4 of Lsd. 16-13-78-13 Elev. 2770' TD 20'
Samples taken 0-10, 10-20 and bottom.

DRILLERS COMMENTS:
Loose conglomerate gravel at surface
3 feet of brown sand at 4 or 5'
Clay from 8' to 20'
End of stand; quit drilling.

Tidy up site and fill hole; progress south down cutine to pipeline right-of-way --rig up and drill #5.

**** #5 NE/4 of Lsd. 7-13-78-13 Elev. 2780' TD 20'
Sample taken at 20'.

Clay from surface to end of stand 20'
Quit drilling.

Filled hole, rigged down and travelled west to north/south road, went north to site #6, rigged up and started drilling at 12:35 P.M.

**** #6 NE/4 of Lsd. 1-23-78-13 Elev. 1740' TD 80'
Samples 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70 and 70-80.

DRILLERS COMMENTS:
Conglomerate at 1 or 2'
Sandy conglomerate to 15'
'Pure' conglomerate from 15' to 58'
Grey sandstone from 58' to 80'
End of stand, quit drilling at 2:50 P.M.

Fill hole, tidy up site.

WEDNESDAY - MARCH 25

Lewis and Luft travelled to Grande Prairie; tried to meet with Cory at the Alberta Forestry and Environment, as a follow-up to Al's attempts to contact him last week. Cory was out of the office but Al reached him on his cellular and recapped our activities. Lewis and Luft then to south Grande Prairie to visit with Weyerhauser Canada Ltd. Weyerhauser owns the timber rights in the area of our interest.

NOTE:

Our original plan included the drilling of some test holes to the north of holes 3,4 and 6. However, because the 'rim trail' is in the protected area where no equipment is allowed and the cutlines north of site #4 encounter considerable stretches of muskeg, we were unable to drill in that general area. More field work should be done in the area between the conglomerate outcrop rim and the Moxnes pit (where conglomerate is visible) to determine thickness of the Bad Heart conglomerate at various locations.

**** Locations and elevations are taken from small scale surface and topographic maps and should be read as approximate.

Government of Alberta,
Lands & Forests,
Grande Prairie, Alberta.

Attention: Cory Woytowicz,
Re: MME - 971273.

EXPLORATION SOUTH OF BAYTREE, ALBERTA,
713803 ALBERTA LTD.,
EXPLORATION LICENSE NO. 5145.

Two snow machines were used on March 22, 1998, to assess the project, but the depth of the snow in the area made it very difficult.

The snowplowing and drilling started March 23, 1998, and it was all finished March 24, 1998. One tandem drill truck, one tandem water truck, one 4 x 4 ½ton and one D6 Caterpillar - this was the equipment used.

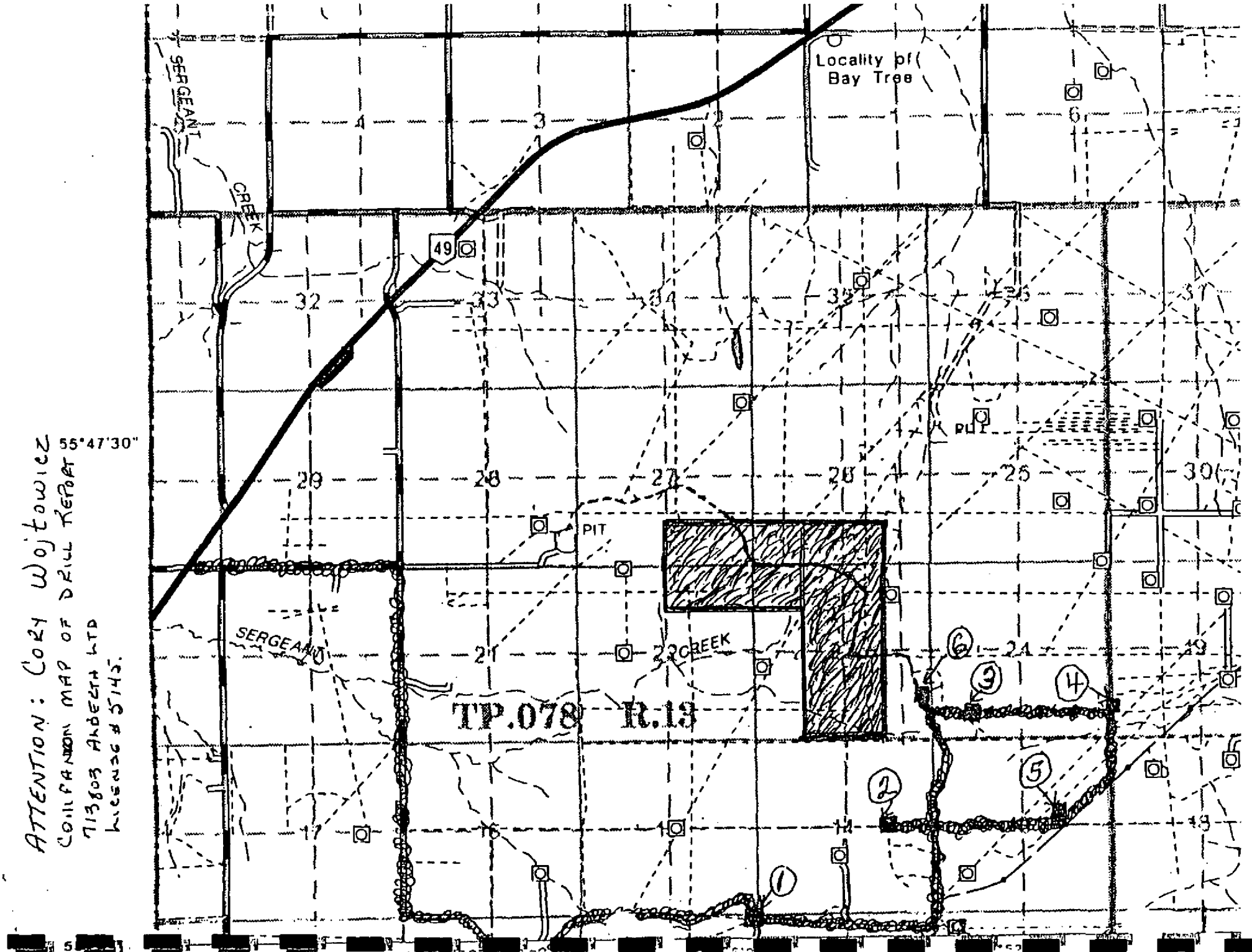
The access to the drilling (see accompanying map) is the shaded - in road from highway 49. ½ mile East of the county road on Anderson Road, at the new oil well drill site approach, the road had to be plowed to all 6 test holes. All the plowing and drilling was done on existing trails and cutlines.

End Report.

[redacted]

ALAN LEWIS.
04/02/98

67



ATTENTION: Cozy Wojtowicz
COMPANION MAP OF DRILL REPORT
713603 ALBERTA LTD
LICENCE # 5145.

ATTACHMENT 2.2.1

Alan Lewis Test Log Notes (Process)

GENERAL INFORMATION

1. The crucibles used are refractory clay (usually 40 gm.)

2. The cupels are bone ash.

3. The firing is done in a propane-fired furnace @ 2050' F.- 2200' F.

4. The cupeling is done in an electric furnace at usually 1700' F.

How the "assay ton" (A.T.) is arrived at:

1 ton of ore (2000 lbs.) avoirdupois weighs 29166 troy oz.

1 assay ton (A.T.) weighs 29.166 grams.

Therefore, if the 'assay ton' yields 1 mg. of precious metal - the 2000 lb. ton of ore has a yield of 1 troy oz. per ton.

FIRING LEGEND

Below is the order the reagents are listed in all the fire assays.

Ag. 20 - 45 - 10 - 25 - 30
#1 - #2 - #3 - #4 - #5

#1 - soda ash
#2 - litharge
#3 - silica
#4 - borax
#5 - granulated lead

Sat.
April 19/03 Lot # 766
Ora Roger Fine 3AT
HNO3 – 100 ml
HCl – 400 ml – (Aqua Regia 4:1)
H2O – 100 ml
11:00 Started heat
Temp 125° F
ORP 975
2.20 Added 3 Lp H2O2
4:30 Stopped ORP 925

24 mgs
Au & PGMs.

Sun. Settled all night
9:30

Added Ammonium Hydroxide to PH 10, let for 1 hr
Then added 2 litres and then 1 litre added
H2SO4 to PH 7.5 Settle overnight then siphoned
off clear liquid. Added acid to dissolve + H2SO4
until murky clear turned to dark green
clear bottle.

Mon. Took clear liquid from over night setting PH 3.57
9:30
Tues.
8:00

Thur. Lot Cards Ores

Evening	# 4	B	#1 – Big – 1/3 (1 AT) of residue liquid from [redacted] dried
	# 2	A	– Big – 1/3 (1 AT) of total liquid dried
2nd	# 3	1	#1 – small – 1/3 (1 AT) of liquid from [redacted] residue dried
	# 1	2	#2 – small –
	# 2	A	– 1/3 (1 AT) of total liquid dried

2 Ghrs.

Wed. Aug 1/03 Test # 767

1:45 ~~Start~~
1 A.T. Regan
100 ml H_2O
9 ml HNO_3
30 ml HCl

Thurs.
1:15
Fri.
7:00

Results 0

16 hrs

Mon.
May 5/03 Test # 768
Ode 5AT Roger
1500 ml H_2O
120 ml HNO_3
500 ml Lactic
50 ml Sodium Hypochlorite
1:30 Started leach pH 4.6 ORP 1050
11:45
3:45

3:45 Added 75 ml $NaHO_4$
Added 2 tsp BioD to the 2 tops previous
ORP 925 pH offscale
7:00 Added Na_4O_2 & 1 tsp BioD. ORP 745 pH 4.1
Liquid Sodium Phos ORP 835 pH 3.5
Tues.
1:30 Started

Stopped in 3 hrs, filtered off liquid

Wed
11:30 Ended
Thurs.

Lot - Cruc.

#1 - #1 Preump 5AT - size 9 .24
#2 - #2 - ½ dried to dust 1AT - size 5 .043
#3 - #3 - - size - Type lead 40
#4 - #2 - filter ash 5AT - size 7 .109
not counted .532

22 hrs.
.532 ÷ 5 A.T. = 0.106 oz per ton
Au, Ag & P.G.M.s

4

Tues
May 13/03 Test #769 [redacted]

1/5 of #768 liquid diesel to dust, then roasted at 1000°F, dark brown & 50% combust, fixed nitrogen (zero)

12

Wed May 14/03 Test 770

Dried 1/5 to dust, then added H2O, ~~mixed~~ PH to soda 7. Then fired 2 of 3 cruc.

Then May 15/03 Test 771

3rd cruc. 108 grms, added H2O then 10
sodium ~~nitrite~~ bicarbonate to 7.5 PH, added sodium nitrite, then ~~2M HCl~~ $2M H_2O_4$ to PH 9, added zinc after precip added HCl to PH .31

Fire.

12

Lot	Cruc		
#1 —	# 1 - 1/3 of 1AT	- .88 mgs	Partial 1/3 of 1AT .22
#2 —	Big - Na Bisulphate	- added ~~nitrate~~	
#3 —	# 3 - Odds & ends of 1/3 of 1AT		Added Zn .10 mgs

Total from #769, #770 & #771 - Parted 0
.22 mgs
.10 mgs

.22
.10
.32 oz per Ton Au & PGMs

Sun
May 18/03 Test # 772
Ore 5 A.T Roger
1500 ml H_2O
225 ml NaCl
120 ml HNO_3
3 - Hyd Rec D
Temp 125° F
PH - 1.23 ORP 1020
R:15 Start time of leach
9:30 Stopped leach PH. 2.5 ORP 975
Mon.
1:00 Started
PH to 3.6 with Sodium Bicarbonate
4:00 Stopped
Raised PH from 4.20 to 9.30 with NaBicar. & NaOH 3 Tops.
Tues.
1:30

Red. Lot #		Cyan #
# 1	—	# 3 - Big - Zinc precip
# 2	—	# 2 - Big - Sodium Bisulphate 2.5 A.T
# 3	—	# 1 - Big - Total liquid Zinc precip.
# 4	—	# 1 small -
# 5	—	# 5 small - NaOCl precip ½
# 6	—	# 2 small - Na Bisulphate filtrate 2.5 AT

Lakefield Research Ltd.
Au. — 1.30 g/t
PT. — 1.45 g/t
Pd. — 0.56 g/t

6

Mon. May 26/03 Test # 773

Ore Roger 5 AT

1500 ml H_2O

225 ml $FeCl_3$

120 ml HNO_3

10:45 Start leach. ORP

Added two H type Bio-D 1025 PH 0.00

Temp 125°F

Stopped in 9 hrs let set all night

Tot. Dur ORP 942 PH 0.28

4 hrs

Tues.

10:30 Started.

trace Au

Noon
June 2/03 Test #774
Oz 5AT Rogue
1500 H_2O
120 ml HNO_3
300 ml Salt
Temp 125°F
9:00 Started batch
10:00 added 1 Pd. tip to H_2O ORP 1050 PH 0.00
Let sit all night

Raised PH to 3.25 with Na Bicarb.
1:00 Started.

Tue
10:15 Started.

PH 4.24

Wed Stopped fire 10:25

Stirrer restarted 8:30

<0.0002, Au, Pt., Pd.

Sat
June 14/03 Test #775
Pretreat – H_2SO_4 3 to 1 at 150°F for 4 hrs.
Ore Roger 5 A T (fine)
1250 ml H_2O
100 gram Kaffir
30 gram KI
200 ml Sodium Hypochlorite
16 Cmcl Sp Gr Bio D
Temp 125°F
ORP 825 PH 6.00
1:30 Start time
Added 18 tsp total Bio D
2:30 Added HCl to 5.89 PH
Ore went from 775 to 850
Sun
8:30 Stopped ORP 750 PH 3.01
Added Sodium Bicarbonate to PH 6.2
:00 Started
Mon.
Set # Case #
1 – # 1 – Zinc precip
2 – # 2 – " "
3 – # 3 –
4 – # 4 – Filter cake from # 1
.04 Au. & PGE ppm O.P.T.

June
June 24/03 Test #176

Ore Rego (fine) 5 A T
H_2SO_4 Cyanamid 5 to 1
Temp 150°F
5:45 Started

3:00 Started leach
1250 ml H_2O
100 Brine Tails
30 gms KI
200 ml Sodium Hypochlorite
added 5 kg Bio D
ORP stayed 720-615, PH 7.25
7:00 Lowered PH to 2.15
added 2 kg Bio D - ORP at 791
(Wed 10:00) stayed ORP 730 PH 2.70

10:00 Thursday 96 hrs., added 200 ml Hypochlorite, added HCl
ORP 800 PH 2.64

Friday 1:00 After 50+ hrs ORP 815 PH 229

4:00
6:00 ~~Test~~ stopped in 2 hrs.

Sat 11:30
PH 4.55 with H_2SO_4 Low from PH 10
Test Cond. Stopped

.21 ÷ 5 A T = .042 O.R.T., Acc to PLS Tests

Mon.

July 7/03 Lot # 777

Ore Roger (Fine) 5 AT

1250 H_2O

NaOH ½ can

Temp. 150° F

11:00 Start time leach

Stopped one 3½ hrs.

Wed. July 9

10 gm Ca Cl

50 gms. K.I.

Temp. 125° F

1:15 Start time [redacted]

1:30 Started

Stopped

Stopped leach 8 hrs. ORP 706 PH 7.00

5:00 Started

Lot	Cups
1	4
2	2
3	3

Second pour

1	1	10 gms added
2	2	10 gms added
3	4	20 gms added

Done 5:20

.363 mgs ÷ 5 = .073
not reported
Acc. Ag. & Pt Inc

Wed
July 23/03

Test # 778
Oro Pepes #5 A.T.
20.5 litre H2O
3 lbs Rubber
10 lb tyre Tube D
Temp 100°
ORP 825 PH 4.00
2:00 Started

Stopped circulation in 18 hrs ORP 775 PH 6.53

Thurs.
2:00 Started.
7:30
Fri.
9:00 Started.
10:00 " "
6:30 Stopped 8.5 hrs
July 28 Mon.
10:00 Started

ORP rose 850 added NaHxOH,
ORP stpd. to 4.50 PH 9.00

9:00
July 28 H.
stopped in 9 hrs.
July 25 10:30
at halfway mark.

33 hrs.

.03 OPT not printed
All Ag. P&E

Thurs. Sept 8 Test #81

5 A T Conc.
350 ml H_2O
150 " H_2SO_4
Temp 120°F

10:15 Start time stirred continuously
Stopped use 2 hrs. siphoned off solution, like set to leach

1:00 Stirred heard
1500 ml 100% H_2O (boil)
150 " HNO_3
Temp 125°F

4:00 After 3 hrs ORP 835 added 1 tsp Fe-EDTA ORP 405
Iron added 2 tsp Fe-EDTA
10:00 Stopped heard 7 hrs. ORP 790 PH off scale

Stopped.

Wed.
10:30 Stirred

Thursday

Leach was 9 hrs

Lot #	Time	Lot	Second Trial Time
163	# 1	5	5
164	# 2	6	6
165	# 3	7	7

OH2 O.P.T.
not Parted

Oct 2/03 Test #782
Thursday Ore Conc. Fine SAT

100 ml HNO_3
360 ml HCl

Started wet mill
- 11:00

10:15 Started leach
180 ml H_2O
640 Total

11:30 stopped and let set for 5:15 on paddle
5:15 Started leach on agitation system
Stopped in 3 hrs.

Filtered off. Cupric added NH_4OH to include Hg
Fri. down to PH to 3.20
4:30 Started

.01 H O.P.T. acc. pH

Tuesday
Oct 7/03 Lot # 783
Ore SAT (plant)
360 ml HCl
180 ml HNO3
180 ml H2O
11:15 Started heat 125° - 150° F

11 hrs
.006 OPT
Au Ag, & Pt ppm

Sat.
Oct 18/03 Lot # 784 (SAT Plant)
250 ml HNO3
750 ml HCl
4:00 Start time
Temp 135°
Stopped heat in 5 hrs
Put on hot plate overnight

8:30
Stopped in 5 hrs.
Put all liquid through felts for assays

Lot	Ores
#1	3
#2	#2
#3	#1

Summ.

Lot	Ores.		
#1	1		
#2	2	Filter cake	27 gms
#3	3	" "	26 gms - ashes added
#4	2	Liquid dried	30 gms

11 hrs.
.007 OPT
Au, Pt ppm

Tues. Oct 21/03 Test HT85 (Reg. 5AT)

170 gms NaBr

20 gms KI

1300 ml H_2O

1:45 Start time

Stopped 9:30 ~~8~~ 7¾ hrs.

Temp. 140°F 5 hrs at PH 3.5 ORP 750-830

Wed 4 hrs again at PH 1.20 ORP 753-805

11:45

Stopped in 3 hrs.

Precipated liquid with NH_4OH

Dried & fired.

Thurs

Put liquid together

4:00 - start time

16 hrs

.007 - O.P.T.

Ave, P&Pa

Nov. 4 / Lee / 03 Test #786

Serology Lab

Del 15 gms #1
50 gms Two of a test 11 each
Charged Other 2 - 10 gms. each

Reg #1 Wed.
#1 dish 6.5 gram lead only plus borax & flour (5 & 6)
#2 " 50 gram litharge " " " Size 4
Why 3 & 4 were a poor test answer

Size
Second Series
#1 dish granulated lead plus etc 14
#2 half of #1 plus half litharge (huge lead)
#1, 3 & 4 all the same one 14, 10, 17

Dish #
#1 - 1 } Lot #31
#2 - 2 }
3 & 4 no mark Lot #29

~~Second series~~
Three marks } #30
1 mark }
+ mark granulated
not mark granulated #30

Third series All #29

Cupels
181
2
3
.044 .01
Lead + Plasma

Fourth all #29

Iron
Exc. 8/03 Lot # 788
Use Roger 5 AT
120 Grms / Na Cl
30 Grms KI
1500 ml H2O
Temp 125°F
Eh 0 to 900 mV ORP RH ITD
Started test @ 11:00 stopped in 10 hrs.

Results.

Wt. Loss

Pitting

Eric.

Added Zinc, then dried overnight
Sat - Added 15 to 1, H_2O & H_2SO_4 to dried Zinc powder
1500 ml H_2O
100 ml H_2SO_4

Loring 46193
Aw = .002, O.P.C.

Sat
Dec. 20/03 Lot # 789
Ore / Roger 5 & T
1500 ml H_2O (200 ppm Lab) (375 ml) to 1500 ml H_2O
150 ml HNO_3
Temp 125° F
00 pH off scale ORP off the Lab Eco D 1042
1:30
2:30

3:30 Stopped heat

Second pump #1 — circulating well 1 hr

5:00 Stopped Circ

Lowered PH to 275 pm (circulated)

Sun
11:00 ~~Circ~~ circulated
Brown Started.
4:00 Dec. .002 ppm Lowing 72 hrs.

Beg. Mon. #3 Lot
Beg Tues. #4 Lot
#1 "
#2 "

Wed.

Feb. 11/04 Test # 802

One 5 AT Roger fire — Loring 48385

170 Grease Ka Gk — Circ - .0014 OPT

30 gms. K1 — PT - ———

1500 ml H2 O — Pd - ———

:30 started time

Stopped in 8 hrs. 12 hrs.

:40 started

hrs.

:30 started. — Stopped in 3 hrs

#803

2:00 Started agree Rogers, stopped in 3 hrs.

Jan

2:00 started

" "

First Set 11:20

Set #	Circ #		
#1	#1	Jan. Torch 2	Loring 48385
#2	#2	#1 - 802	Circ - .004
second		#2 - 803	PT. - ———
#4	#1	#3 - Agree Roger	Pd - ———
#5	#2	on Ladle	
third			
#3	#1		
#3	#2		17 hrs.
#3	#3		

1:50

Iron
March 9/04 Lot # 804
[redacted] 5 A T Iron Work Loring 46428
90 grms Rob's .014 Opt.
1250 ml H_2O
10:30 Lost time
2 typed Bucks, ORP 815 PH 600
Temps 125° - 150° F

2:30 Added HCl & 250 ORP 2HS, Temp 135°F
Stopped i.e. 5½ hrs ORP 760 PH 2.75
Stopped.

Thurs.
11:30 Started Aqua Regia on Lead ore (Stopped in Hbr)
12:30 Started (18 hrs)

#1 - 2 crucs. 14.5 grms ead plus filter ash 2gm (approx)
[redacted] Zinc added from Hobr leach.

#2 - Zinc added from Aqua Regia leach
microscope - (didn't look / Too good) on lead ore after Hobr leach.

#3 - looked good.

Taken to Loring March 16/04

Thurs.

March 18/04 Lot # 805 (SAT 6-26)

Nabr 110 grams — Loring 46466

1500 mL H_2O — dw 1 .0198

~~Lot~~ time 11:30

Added the Nabr 135°F

1:00 ORP ~~873~~ PH 585

2:10 ORP 750 PH ~~655~~

5:00 Added HCl to PH 260 ORP 855

~~stopped, left after adding HCl~~

2:30 stopped, (2½ hrs after adding HCl)

Fri.

10:15 started

~~stopped~~

9:45 — stopped-ran 4½ hrs. ORP (minus 865) PH ~~2.65~~ 9.45

Lot ~~#~~	Crew
#1	#1
#2	#2 ran out
#3	#3

Aqua Regia on lead ore

2.45 start

600 mL HCl

200 mL HNO_3

100 mL H_2O

~~Lot~~ 1

1:20 —

3:1 —

~~Lot~~ moved 37 lowered PH with NH_4OH to 2.5

Dryed residue

Ran 28 hrs.

Tues Lot — Crew. 2:10 3:50

#1 — 1 & 2

#2 — 3

#3 — ~~1~~ 3 (mark 11) ran out 12 o'clock

#4 — 3

stopped 12:30

stopped 3 hrs (Lupel 253)

18 hrs

Tues
March 30/04 Test #807
5AT Conglomerate (Fine)
90 grms NaBr
1200 ml H2O
Bio D 2 tsp 830 ORP 6.00 PH
Loring 46476
av. .027 ppt
:00 Start time
Temp 135°F
:00 added HCl PH went from 6.0 to 2.50
ORP went from 780 to 835
7:30 Stopped mixing, put on hot plate for evaporation
6.5 hrs
ORP 840 PH 350

Thur. Apr 1
10:45
11:30
1:45 stopped

Lot	Circ.	Cupels	
Residue	1 - salt	S	- sprouted lots
Residue	3 - no salt	N	goldish color
Seepage	scooped	●	goldish color #1
	regular		small goldish color #2

April 8
Loring
#3 av. .093
av. .032
av. .010

Iron
April 5/04 Lot # 808 -
Ore (625 Plant) SAT

200 ml HNO_3	#1 - Residue from washed filters
600 ml HCl	#2 - " " " plus Zinc prep.
600 ml H_2O	#3 -
Temp 135 F	#4 - Unknown red material on drying deck

2:30 Start time. (Began on Lot # 1)
ORP 980 added ore ORP went to 930, added
4 tsp $NaClO$ ORP went to 970

5:00

8:30 Stopped mixing and pump Left pH 6.6 ORP 870 at AM
ORP 870 PH 6

Jim added Urea 400 ml (twice HNO_3)

12:00

5:30 Stopped added Zinc, then
dried to start

5:45

Wed.

5:00

11:30

Circulated with peristaltic pump.

1:15

First Assay Lot # 1 - 3 cups

2nd " " Lot # 2 - 2 cups of #2, 1 cup of #1 with added 3 cups of #3 into last step

(2 Vials)
Loring 46549
.505 gpt on Au.

Sat.
April 17/04 Lot # 809
Ore 5A T Conc. (Fine)
HNO_3 200 ml
H_2O 600 ml
HCl 600 ml

Scofield 1.32 mgs.
1 Trace. 2 mgs.
#162 - " "
#3 - (2 trace.)
#4 - Zinc precip from residue
#5 - 15 gram leadore

2:30 Started tank added 2 tsp Bio-D
Temp 135°F
2:15 ORP [redacted] 925
Loring 46548
.0064 oz per ton Au

2.55 Started
4.00 Stopped. 2.05 hrs Total
Added Bio D ORP went from 760 to 920

Thursday drained off liquid twice then filtered. Added 400 ml Urea to kill HNO_3 then added NH_4OH to get PH to 2.00

7:00

9:15 Stopped
9:30 Started [redacted] stopped pump for overnight

Sat
10:30 AM Started
8:00
8:30 Stopped

21 hrs.

stopped pump for night
Want all cat. into all day Sunday into
Monday
11.05

Fri
May 7/04 Fri. Test # 810, SAT For 2nd at

HNO_3 200 ml
HCl 600 ml
H_2O 400 ml
Temp 135° F
0:30 Start time
ORP 910 1st Bio D

1:20 Started rodmill

Spring #6618
Au_o = .167 g per ton
Pt_o = .0012 g per ton
Pd_o = ———

2:00 ORP 912
Sat
4:00 went all night
Sun.
Stopped at 10:00 next day.
Tues
9:30

Stopped at 5:00

Au .019, #1 - Residue & filter cake 22 gms.
Au .815, #2 - 20 gms
Au .002, #3 - Zinc precip all liquid

Thurs
Aug 27/04 Test #811 - "Ron" 54T

HNO3 - 200 ml
HCl - 600 ml.
H_2O - 400 ml
Temp 135°F

1st firing #1 - A, B, C
2nd firing #2 - 4A, 5B
3rd firing 1 & 2

9:30 Start time
ORP 930

Toring 46672

after 30 minutes added Bio D 1 tsp
2:00 Added 1 tsp Bio D
3:30 " 1 tsp Bio D ORP 910
7:00 Stopped leach ORP 925

Cu. - .017 g. per ton

Mon. set on hot plate for overnight

Stopped Tuesday 22 hrs total

Tuesday 1:00
circulating
Stopped Wed AM 20 hrs

Thursday:
1:15 started
PH 2-64 when starting
Stopped 800 9 hrs total

H_2SO_4 to 1.30 PH from 4.5 PH

Fri. -
PH 1.5 4 hrs.
stopped in 20 hrs.

F: Used Zinc on all liquid left.

Second firing 3:45

Sat
July 24/04 Test # 816 Formant (NaBr)

2:30 Start — Loring 46803
1250 H2O — .0158 gpm to Aer.
+20 gms NaBr
Bio D to 8900RP PH 200
5:00 Started

Temperature 175°F
7:30 Stopped.
Stopped 9:30 put on hot plate.
Mon
1:00 Started.

Tues.
Start 8:45
Stopped 11:45
Start 11:00
Stopped 2:50
Started 3:00
Stopped 6:15
Started 6:30

Stopped in 3:5 hrs

Monday Aug 2
10:30
10:30 Stopped in 6½ hrs
Tues Aug 3.
Stopped 1:30
Started 1:45
Stopped at 7:00, 5¼ hrs.
Well started

PH 1.4

PH 1.8

36 hrs

More
June 14/04 Lot # 8125 AT Chin Charge "Fine"

HHO_3 - 200 ml
HCl - 600 ml
H_2O - 400 ml
Temp 135°F

Loring #6745
.004 oz per ton Au.

0:30 Stock time
ORP 973
after 2 hrs 950
after 5 hr 820, added 2 tsps BioD ORP 950
8:00 Stopped ORP 830, put on hot plate for rest of night

Filtered off liquid
1:30 Tues

Wed 11:30
Thurs 1:45

20 hr Total

Fri. 12:30 Stock
PH [redacted] 239
Stopped after 9.5 hrs.

36 hrs

#1-firing

Lot	Cone
#1	#1
#2	#2
#[redacted]3	#4
#[redacted]4	#5

first
last few
" " "
" " "

mixed
manual mix

Lot #1 - mixed with ingredients in grinder
Lot #2, [redacted] 3 & 4 mixed in grinder, then 2 + [redacted] 3 mixed in grinder with ingredients. #4 manual mixed with ingredients. [List to Calgary on facing page of Lot # 8 PH 6]

Sun.
June 20/04 Test #813 Sand [redacted] under Cong.
5AT (Jess)
HNO_4 - 200 ml
HCl - 600 ml
H_2O - 400 ml
Toiecy 46745
.005 of portion Che.

Start
2:45 Temp 135°F
added Bio-D 4 typ. ORP 815
Stopped in 7 hrs.
Jess - Filtered off liquid, added 400 ml Urea
11:00
9:00PM
9:15 Started up again
Jess.
Stopped
Started
Wed - dried Jess [redacted]
10:00 Started
Stopped in 10 hrs, dried there was pool showing.
Thursday
[redacted] Start 8 hrs
[redacted]

32 hrs

Thur.
June 24/04 Test II 814 Cong. 8' from bottom
5AT
200 ml HNO_3 Sarting 46745
600 ml HCl
400 ml H_2O - .0048 g per test Cu.
ar. 1:00 Start time
1 tsp Bio-D ORP 760 added Bio D to 900 ORP
Temp 135°F
Stopped 10:00 10 hrs total leach ORP 830
Friday.
1:30
Stopped 10:00 A.M Sat.
Sat. 1:00
Stopped 10:00 Lacs. 21 hrs total
12:30 Lacs started.
Stopped after 6½ hrs.

Monday
Start 2:45.
Stopped in 7 hrs.

30 hrs

Test	#	Cups.	#	Cupped	
Test 813	1		1		# 813
	2		2		"
	3		3		# 814
814	4		4		# 814
Res. 814	5		5	Residue	# 814
	6		6		

6 hrs.

Comments - all heads shaved Cu.
#6 was oval & flat, lots of
stuff on the head & in the cup

Lucas.
July 6/04 Test #815. "Long. 8' from bottom" South End
400 ml H_2O
200 ml HNO_3 Loring 467TH
600 ml HCl .0012 gpr toxaphene
11:30 Start time
Started
Temp 135°F
1.30 Stopped
ORP ~~940~~ 940 added Bio-D 2 tsps ~~PH~~ ORP started to 1125
3:30 Stopped back ORP 925
Wed.
Drained off liquid twice, filtered remainder, added 400 ml
Urea
1:30 Started.
Stopped 8:30, 7 hrs total
Thurs
10:30 Started

8:00 Stopped 8½ hrs
Fri
8:00AM started
added H_2SO_4 PH from 2.50 to 1.30
2:00 (showed alot of metallics
7:30 Started
9:00
9:15
Sat
5:30
Sun
8:00 stopped
2:15 Started
5:15 Stopped ca. 3 hrs.
Mon

Tues.
Aug 3/04 Test # 817 "Reg"
5 AT
1250 ml H_2O Loring 46881
120 gm Kaber
Bio-D 2 tsp 135°F .003 gpt ton Au
11:00 Start leach
2:30 Started
ORP 890
Thursday
Started elect 11:00,

12:30

Fri.
9:45 Started
3:00 Stopped
3:00
7:00 Stopped elect.
Sat: 9:00 Started
Stopped in 3 hrs.
1:30 Start

PH 3.0

Sunday
12:00 Started
6:00 Stopped
6:30 started

PH 3.8

PH 3.6

Stopped 10:30

36 hrs

Thursday
Aug 12/04 Test # 818 "6-26" Fine ~~1.5 AT~~
200 ml HNO_3 Foamed over and lost at least
600 ml HCl 1.5 AT Total leak 3.5 AT
600 ml H_2O
Temp 135° F Loring 46681
1 Tsp Bio-P, ORP 940 .013 Mg pr to Alw.

10:00 Started leach
10:50 Started
ORP 963 at start time. Foamed over 3.5 AT left.
5:00 Stopped leach added 3 Tsp Bio D in first 2 hrs.
PH-.63 ORP was 982 when leach was stopped, put on hot plate until morning.

Fri. added 300 ml Urea
5:30 Started PH 2.7, circulated peristaltic
9:30 Stopped in 4 hrs. PH 1.8
Let.
10:00

[redacted]

11:30
2:00 stopped
2:15 Started
Sunday-
10:08 Filtered off liquid,...
liquid
Added H_2SO_4 to PH 1.8 from 4.2
2:00
4:30 AM Monday stopped
11:00 Took all remaining liquid and added Zinc
First added NaOH to PH 6.6 warmed to 105° F
then added Zinc after 30 minute added H_2SO_4 to PH 5.6

Let 1st	Cruc	2nd Let	Cruc.
#1	#1	#3	#3
#2	#2	#4 - 2 cruc.	#4
#3 - ½	#6		

36 hrs

Wed.
Aug 18/04 Test # 819 Worsley "Lone Pine" SAT

400 H_2O Loring 46881
600 HCl
Wed. 200 HNO_3 .0024 oz per ton Au
10:30 Started leach.
11:30 Added 2 tsp Bio-D PH went from 880 to 932
Temp. 135°F
12:30 Added 1 tsp Bio-D PH 883 rose to 915
2:30 Added 1 tsp Bio-D PH 863 " " 917
5:30 Added 2 tsp Bio-D PH 853 " " 953
7:30 Stopped leach ORP 900, Ph. 1.9
Let on hot plate until morning.

Thursday
12:10.

1:50
1:00 Started
4:00 Stopped 4 hrs Total
~~H2S~~
Lowered PH from .03 to 1.7
5:00 Started

9:30 Stopped
9:50 Started
9:00 Fri Stopped. 11 hrs Total.
4:30 Fri. treated all liquid with Zinc

32 hrs

Mon.
Aug 30/04 Test # 820 "626" 20 A.T

Ore 20 A.T. mixed with magnetic pieces
5000 ml H_2O
1200 ml H_2SO_4
Started.

1.15 started
11:00 Started leach 5 AT (1/4 of total liquid)
150 grams Fe Cl, ~~[illegible]~~
ORP 750
12:30 Added Bio-D, ORP 873 155°F
4.00 ORP 907, temp 150°F
7:30 Stopped ORP 873, temp 150° for entire leach.

Losing 4 TO 13
.0024 oz per ton Au

1
1.30 Started
Sat.
Sun.
1.45 –

Dried to dust & annealed 1400°F
Then put in PH 1 – H_2SO_4 all night to remove copper.

Cat	Cruc
Lot # 1	# 1
Lot # 2	# 4

21 hrs

Sept 19/04 Test II 821 (Rut of #820-5HT)
H_2O - 400 ml
HCl - 600 ml
HNO_3 - 200 ml
Loring 47013
11:00 Start PH [-5] ORP 1123 .0062 gpt Cu
12:30 ORP 1163 Temp 135°F (no Bio D)
4:00 ORP 1183
7:30 Stopped ORP 1167 - PH 01

Monday -
Took liquid off.
Added 400 ml. Urea. PH 01 ORP 1000

Tuesday -
Added NaOH. PH 00
10:15 Started
circulating with pump.
3:00 Final func, last 3/4 hr on 10:15,
Stated
7:00 Stopped
of copper in bottom of plastic container.
Dried residue copper & put on heat 150°F 1-5 H_2SO_4
2:00 Stated
PH. 07

Thursday - Tried H_2SO_4 on copper residue to no avail.
Tried sample with HNO_3 1-1, took all copper, so going to try the rest.

36 pcs

Tuesday	Wednesday	Thursday	Friday	Saturday
1 Sept 1/2/04 ~~Thursday~~ Sun. Start loads 11:00 300 gm 10AT Rep 120 g Tebr	2	3 #822	4	5 Loring 47175.
8	9	10 ~~Fri~~ KI 1500 ml H2O Added 3 tsp Bio-D Added NaOH to 11.4 PH	11	12 .0712 oz protector Aw
15	16 ORP Temp 1950 F 1.10 Kept adding Bio-D - ORP went from 450 to 910 But PH went from 11.00 to 3.7 Added NaOH to 8.1 PH, ORP went to 6.15	17 475 •	18	19
22	23	24 5:45 Added HCl to PH 3 from 8.3 ORP rose to 850 from 490	25	26
29 10:15 Well started. 1:30 Started Thursday Started.	30			

JUNE 2004 (Well stopped) 1030 on meter 20 hrs

Monday
Nov. 22/94 Test # 823 (H.A.T "Reg")
400 ml H_2O
200 ml HNO_3 Loring 47253
600 ml HCl
Temp. 135°F .003 gpt to Che
1:45 Start time.
Stopped in 6½ hrs. added 400 ml Urea
Wed. - added NaOH PH still -.04
10:00 Started.
2:00 -
Stopped in 6½ hrs.
Thur.
10:45 Started.
PH 1.2
2:30
2:45 Started
Stopped at 8:15 5½ hrs
Monday
1:30 Started

Stopped 20 hrs later
Wed -
Zinc precip 21-1 ratio H_2O & H_2SO_4, PH ended up 0.5

Lot Cruc. Crucel
#1 #3
#2 #6

Friday
Dec. 3/04 Test # 824 "3AT Reg."
1250 ml H_2O
100 gm Kaber.
25 gm K.L.
11:00 Started leach.
9:30 Stopped put on hot plate till morning.
Sat
11:45 Started

Stopped 1:45
4:30 Started
PH 1.3

Mon
1:00 Started
Ikura Stopped

4 Used Zinc
2 " "

Lot # Conc. Cupel
#1 # #
#2 #2
#3 #1

Loring HT253
.005 gpt to the
ORP 750
PH 2.5

Friday
Jan 7/05 Test # 825 "Rej" 3 AT
1000 ml H_2O
50 grams NaBr
10 grams KI
Temp 135
11:00 Started heat.
11:30 ORP 805 PH 2.2 - Filtrol heat on off.
Set-
Started
10:15
Loring 47253
.001 oz per ton Au.

17 hrs

Wed.
Jan 19/05 Test # 826 (3 AT for Wet)
200 ml Wet
1350 ml H_2O
Temp 135°F
100 ml HNO_3
11:30 Started heat. ORP 860 PH (-1.0) stopped 10 hrs.
4:00 Started
Sunday
11:12 Started

Loring 47350
Trace of Au.

Test	Green	Copper
1	# 1	# 1
2	# 2	# 2
3	# 1	# 3
4	# 3	# 4

16 hrs

Thur. Jan 27/05 Jet # 8 27 (For Wet 3AT)

H_2O – 1300 Loring 47350
Na Cl – 200 ml.
HNO_3 – 100 ml. PH – 1.4 Grace Av.
Put in one of 2 Typ Bio D PH was down to – 1.1
Added 20 ml HNO_3 PH – 1.3
10:30 Start time temp – 135°F
Stopped 8:30
ORP 320
2:30 Started

Sat. – Added NaOH to 3.5
Added 200 ml lime ½ Typ Time, PH 6.5
Let all night drained liquid off a dried residue
Sun. 11:45 started added H_2SO_4 dilute PH 2.5

1:00 Started PH 2.2
Stopped in 7 Hrs.
Wed. 11:00 Started PH 2.5
Stopped 7:30 8½ hrs
Dried residue
H_2O to H_2SO_4, PH 05 after adding

24 hrs

ATTACHMENT 2.2.2

Alan Lewis Test Log Notes (Firing)

GENERAL INFORMATION

1. The crucibles used are refractory clay (usually 40 gm.)

2. The cupels are bone ash.

3. The firing is done in a propane-fired furnace @ 2050' F.- 2200' F.

4. The cupeling is done in an electric furnace at usually 1700' F.

<u>How the "assay ton" (A.T.) is arrived at:</u>

1 ton of ore (2000 lbs.) avoirdupois weighs 29166 troy oz.

1 assay ton (A.T.) weighs 29.166 grams.

Therefore, if the 'assay ton' yields 1 mg. of precious metal - the 2000 lb. ton of ore has a yield of 1 troy oz. per ton.

FIRING LEGEND

Below is the order the reagents are listed in all the fire assays.

Ag. 20 - 45 - 10 - 25 - 30
#1 - #2 - #3 - #4 - #5

#1 - soda ash
#2 - litharge
#3 - silica
#4 - borax
#5 - granulated lead

Feb. 18 Test #802

#1 ~ 3 grams.
soda ash litharge silica borax
grams 20 - 40 - 15 - 15 - 1 tsp F - 20 lead. 1 tsp salt & added Ag.

#2 - 12 grms. flour borax on top
Residue from
grms 20 - 40 - 15 - 15 - 1 tsp F - 20 lead - 1 tsp salt - added Ag.

#3 - 12 grms. borax on top
same as #2
grms 20 - 40 - 15 - 15 - 1 tsp F - 20 lead - 1 tsp salt - added Ag
soda ash, litharge, silica, borax flour borax on top

Feb. 26/04 Test #803 Residue of #802 after Aqua Regia 3 hrs on #802 residue leach)

#1 - 5 Zinc percips
7 grms.
grms 20 - 40 - 15 - 20 - 1 tsp F - 20 lead (1 tsp salt, Ag added, borax cover)
soda ash, litharge, silica, borax flour

9 grms #2 - Material out of big pan
20 - 45 - 20 - 20 lead (1 tsp salt, Ag added, borax cover)

8 grms. #4 -
20 - 40 - 15 - 20 - 20 lead (1 tsp salt, Ag added, borax cover)

10 grms #5 - Filter ash
20 - 45 - 20 - 20 - 1 tsp F - 20 lead (same as other)

34 grms #6 - HNH_4OH
3 crucs 11+ grms each
20 - 45 - 20 - 25 - 1 tsp F - 20 lead (same as other)

Thurs.
Feb. 10/05 Lot #828 For Wet ZAT

Dissolved 6.5 gms nickel in Aqua Regia. 180°F

Leached ZAT in aqua regia 165°F
10:40 Started
12:40 Cleared plates
Started

70 grms Formate.
220 ml NH4OH - PH 7.5
Dried residue after filtering out water.
Dried residue weighed 195 gms.
Put half residue in oven at 1200°F

Loring 47420
.0085 oz per ton Au.

Lot	Exec.
#1	#2
#2	#1
#3	#3
#4	#0
#5	#3

9 hrs

Tuesday
March 1/05 Test # 829 (For West HAT)
8 gms diluted nickel
100 ml HNO_3 } added to what was left of aqua-regia
300 ml HCl } that diluted the nickel approx 100 ml
~~Could~~ maybe 100 ml of water was added
11:15 Started leach. (150° F for most of the time.)
Stopped agitation at 3:45. Put on hot plate overnite
There PH -1.3 ORP 1093
1:45 Started PH 2.6

Fri
1:15 Started.
PH 1.6
3:50 PH 5.00 so added H_2SO_4
9:00 Stopped
Sat.
12:00 Started
9:00 Stopped
Took residue from
cart and stpd all night on ~~the griddle~~, then
put filter (after trimming) and residue in gas
furnace at 1200° F for 30 minutes or more.
Cooled then ground residue added H_2SO_4 30:1
and put on ~~the griddle~~ griddle till morning

Sun.
Drained liquid off of residue and put on hot plate
to dry added Bicarb. to 6.5 PH
12:00 Started
9:00 Stopped
Sunday
1:00 Started
9:30 Stopped

.020 oz per ton Au

Lot #	Cyan	Copel
1	1	1
2	2	
3	1	2
4	2	3
		4

March 24 Lot # 830 (Rox 5AT)

9 gms nickel
300 ml aqua Regia
300 ml HCl
100 ml HNO_3
100 ml H_2O

1:00 Started heads (circulated on hot plate)
7:00 Stopped heads, put on grill overnight
Sat
12.36 Started

Added NaOH to ~~PH~~ PH 8 added 1 inc.
Took meter off and dried residue. Put in furnace to 1400°F for 1 hr.
Added H_2SO_4 at 32 to 1. ~~Added water~~ Put residue in water as PH was close to 6. Then dried ~~dry~~ divided remainder 108 grms in ½ and fired half on three crucibles. Left .56 milligrams on scale.

10:00 Started
7:00 Stopped

12:40 Started.

Lot	Crucible
~~#~~ #3	big head
Lot # 3	no mark
# 2	# 2
# 2	# 2
# 1	# 2
# 1	# 2
# 3	no mark.

.53 mgs ÷ 5 = .106 gr per ton Au.

March 15/04 Leaf #804 For Weat

#1 Elect. residue & Zinc from Refr.

6 2 crucs. 145 grms with 2 filters each

4A 20-45-20-20-20 lead, AgCl added 1 tsp salt mixed 1 " " on top & borax

#2 Residue Zinc Aqua Regia - lead ore after Refr lead 7 grms. 7 grms with filtrate 2 grms.

20-40-15-20-20 lead - ½ tsp NaCl mixed ½ on top & Borax AgCl added

#3 (Refr good) (Aqua ?) 2 grms.

15-40-10-15-20 lead ½ tsp NaCl ½ on top & borax AgCl added.

March 23/04 Test #805 (625 Plant)

#1 - 7 gms
20-40-15-20-20 lead ½ tsp salt mixed
(½ tsp Flour) " " on top + borax + Ag.

#2 - 90 gms = 18 gms per cruc, 5 crucibles
25-50-20-20-20 lead + level tsp flour, 1 tsp salt mixed
(Ag added) 1 tsp " on top & Borax

To Calgary #1-6 leads.

Water

March 30/04 Test #806 A Aqua Regia leach after water in #805

#1 - 18 gms each 2 cruc. Residue
A - 25-50-20-20-20 lead 1 tsp salt mixed, 1 tsp salt on top with borax Ag Cl added
B - 25-50-20-20-20 lead, no salt, borax on top, Ag Cl

#2 - Residue wet with bruch
20-40-15-20-20 lead - ½ tsp salt mixed ½ tsp salt on top ½ tsp Flour, Ag Cl

#3 - 2 cruc. 11 gms each
20-40-15-20-20 lead 1 tsp salt mixed 1 tsp Salt on top Borax on top, Ag Cl added

#4 3 gms
20-40-15-20-20 lead - ½ tsp F ½ tsp salt mixed
Ag Cl added. ½ " " " on top
Borax on top

To Calgary
#2 - 2 + 4 - 2 leads.
#3 - 1 + 3 - 4 leads.
Aqua Regia after water leach

May 4/04 Test # 807 Conv. Fabr.

#1 -

Hymn. #1A - 15-40-15-15-20 load ½ flour, Oy Cl layer on top, ½ top salt mixed on top

Hymn - 20 hours 60° Kitchaye, Oy Cl, 1 tsp flour

#2 - 2 eggs. 10 grams cook. Residue

B - 20-45-15-20-20 load 1 tsp flour ½ tsp salt mixed on top. layer on top Oy Cl

B - 20-45-15-20-20 load 1 tsp flour, no salt layer on top Oy Cl

April 12/04 Test F 808 625 Plant Run Rejects

#1 Residue & filter ash

68 gms.

4 Cmc of 17 gms. 25-50-20-20-20 lead-salt, boric or Lyt & AgCl

#2 Residue & filter ash

46 gms 2 25-50-20-20-20 - salt & AgCl.

15.3 per cmc 3 cmc.

#3

19 gms, 6.3 grams in 2 cmc. 20-45-15-20-20 ½ Hr salt & boric AgCl

6.3 grms acidified - 20-60-1 tsp. flour AgCl

#4

7 gms. Zinc precip. of total liquid left.

20-45-15-20-20-½ F, salt & AgCl

April 26/04 T809 Conglomerate (lime)

#1 - Scorifications
15 gms -
25 gms lead mixed
25 gms on top.
Had to add borax
Ended up with a 1.32 oz bead, didn't add silver

#2 - 15 gms -
25-40-20-20-20 gms lead on top after melting.
1 tsp Borax mixed, another on top of borax cover.

#3 2 cruc. of 16 gms each.
25-40-20-20-30 gms lead on top after melt.
(millward Ag added) (1 tsp salt mixed 1 tsp on top with Borax)

#4 2 cruc. of Zinc precip + hot residue
(small Ag added)
25-40-20-20-30 gms lead on top after melt.

#5 - lead ore after leach.
15 gms.
25-40-20-20-30 same as #4 through out (Ag added (small)

Fri – May 14/04 Test #810 (For Want)

#1 Residue of filter cake 12 grms.
2 crucs (11 grms each) 20
25 – 40 – 20 – ~~20~~ – 30 lead on top after melt.
½ tsp flux. NaCl mixed 1 tsp. 1 tsp NaCl
Ag added. on to Al Bowl

#2 20 grms.
2 cruds (10 grms each)
25 – 40 – 20 – 20 – 30 lead on top after melt.
The rest is the same as #1

#3 Zinc precip. 4.5 grms.
15 – 40 – 15 – 20 – 30 lead mixed after melt
Ag added torch of flux NaCl ½ tsp mixed
½ tsp NaCl on top with borax

June 8/04 Test # 811 (Ron)

#1 - 27 gms in three crucibles @ 9 gms each.
25 - 40 - 20 - 20 - 30 gms lead on top after melt

#2 - Zinc precip 22 gms first let.

#4A 25-40-20-20-30 lead put in melt 1 tsp salt mixed 1 on top of spray

5B (25-40-20-20-30 - 1 tsp salt ½ tsp flour all mixed) 1 tsp salt + flour on top

#3 - Zinc precip 17 gms from dried liquid last let.

#1 A 25-40-20-20-30 lead added in melt. 2 (salt + borax on top) 17 gms 8.5 per cruc.

2B 25-40-20-20-30 lead mixed 2 " " " " " also borax

3. #1 A = 1 tsp salt mixed, 1 tsp salt on top, ½ tsp flour, Og added

6 1B - Ingredients all mixed in coffee grinder 30 gms lead + all

7 1C - " " " " " " " " " " " "

(5 gms of Wood) with block of wood on top

1-B the 1 tsp salt and borax is put on top.

1st firing - 3 cruc. A - lead added
B - mixed
C - mixed & wood

2nd firing - 1st Zinc precip not 2 cruc. #4 - lead added
#5 - mixed

3rd firing - 2nd Zinc precip 2 cruc. #1 - lead added
#2 - mixed.

1, 6, 7 / 4 / 5

June 20/04 Test #812 (Chin Charges)

#1 - First settling - 9 grms.
#1 25-40-20-20-30-1 tsp Ball-½ tsp flour, Ax, all - mixed, then 1 tsp Ball on top & scrape

#2 - 4 grms, 3 Crec. 13+ in each.
#2 ada more on manual mix 25-40-20-20-30-1 tsp Ball-½ tsp flour and Ag - all mixed, then 1 tsp Ball & brush on top.

June 25/04 Test #813 (Sand Under Conc.)

#4 #1 - 18 grms
25-40-20-20-30-1 tsp Ball mixed, one on top with flour, ½ tsp flour - Ag added

#5 #2 - 2 times precip of all liquid 8 grms.
Same as #1

June 30/04 - (Conc. 8' from bottom) #814

#3 - Residue with 2 cubic Crucibles labeled liquid
9 grms.
25-40-20-20-30-1 tsp Ball mixed, 1 on top - ½ tsp flour, Ag added.

#4 #5 - 2 crec @ 14 grms each.
25-40-20-20-30 - Same as #1

#6
20 grms.
25-45-10-20-30 - Same as above

July 12/04 Test #815 (Cone 8' above bottom)

#1 & #2

2 crucs. 12 grms each.

25-40-20-20-30 - 1 tsp NaCl mixed, Ag. ~~[illegible]~~ ½ tsp flour & NaCl on top wet Borax

#3 - 10 grms.

25-40-20-20-30 - Same as #1 & #2

#4 - 15 grms.

25-40-20-20-30 Same as above.

July 20/04 #815 continued

#1 - 2 Crucs, 15 grms each

Zinc precip from total liquid, 49 grms total dust, roasted at 1600° F, shrunk from 76 to 56

25-40-20-20-30 ½ tsp flour, Ag, 1 tsp salt mixed Kaolt on

#2 - 2 Crucs, 15 grms each. ⅕ (AT) of total liquid after Zinc precip. Dried to dust then roasted at 1600° F, total shrunk from 231 grms to 121 grms.

Same as #1.

Fired AT .5 AT

and #2 AT

#4 AT

July 28/04 Test # 816 (For West - Rabe)

#1 - 8hrs, 3hrs, 3hrs. Total weight 34 grms.
2 crec. 17 grms each.
30-45-20-20-30-Ag. ½ tsp salt mixed, 1 on top with borax

#2 - 2-3hr sessions 19 grms.
2 crec. 9.5 grms each.
25-40-20-20-30-Ag. 1 tsp salt mixed, 1 on top & ½ tsp flour.

#7 - - 10 grms.
25-40-20-20-30 - same as #2

Aug. 5/04 - More of #816 (see book over)

#1 - 2 crec. 17 grms each.
30-45-20-20-30-½ tsp flour, 1 tsp salt mixed
1 tsp salt on top with borax, (Ag)

Aug 11/04 Test # 817 "Reg"

#1 - Zinc ½ of liquid (2.5 A.t.) 10 grms.
25-40-20-20-30-½ tsp salt mixed 1 tsp salt
on top with borax, Ag, ½ tsp flour.

#2 - 38 grms. 3 crec. (12.6 approx)

A 25-40-20-20-30-½ tsp salt mixed ½ tsp salt
on top 1 tsp borax Ag, ½ tsp flour

B 25-40-20-20-30 - same as above.

C 25-40-20-20-30 - 1 tsp salt mixed, 1 on top with ½ borax

Aug 17/04 Test # 818 "6-26", 3.5 A.T.

#1 - 1st.
14 grms.
25-45-20-20-30 ½ tsp NaCl mixed, ½ tsp on top ½ tsp flour, with hoe, Aq.

#2 - 2nd, third of test. 15 grms.
25-45-20-20-30 - Same as #1

#3 - Filter ash roasted, 14.5 grms in 2 Crus.
25-45-20-20-30 - Same as #1 (no flour)

#4 - Zinc precip. 2 crus @ 10 grms each.
20-40-20-20-30, same as #1

Aug 22/04 Test # 819 "Worsley"

#1 -
9 grms.
20-40-20-20-30 - ½ tsp flour. Aq - ½ tsp salt-mixed, ½ tsp salt on top with hoe.

#2 - Zinc precip. 11 grms.
20-40-20-20-30 - Same as #1

Aug 30/64 Test # 820 "626" [redacted]

#1 - with ore present. 5 gms.
20 - 40 - 20 - 20 - ½ tsp salt mixed, Ag., flour ½ tsp
½ " on top with borax.

#2 - with ore present 7 gms.
same as # 1

Sept 17/04 , all mixed together, 29 gms
2 crus. of 14.5 gms each.
#1 - with 1 bead of Ag added.
25 - 45 - 20 - 20 - 30 - ½ tsp. salt mixed + ½ flour
½ " " on top with borax

#2 - same as # 1 except no Ag added.

Sept 26/04 Rest of #820 - SAT called #821

#1 - First ½, 7½ A.T. ( ) 5 gms.
20 - 40 - 20 - 20 - 30 ½ tsp salt [redacted] mixed
½ tsp flour ½ tsp on top with borax - Ag mixed

#2 - Second ½ - 7½ A.T. ( ) 5 gms.
20 - 40 - 20 - 20 - 30 - ½ tsp salt mixed & Ag.
½ tsp flour ½ " " on top with borax

#3 - Silver residue after dissolving copper. (10 gms)
20 - 40 - 20 - 20 - 30 - ½ tsp salt [redacted] (no Ag)
½ tsp flour ½ " " on top with borax

Nov. 15/04 Lot # 822 Reg. 10 A-T

#1 2 crucs. 21 grms each.
30 - 45 - 20 - 20 - 30 - Ag ½ tsp salt mixed, ½ tsp Borax on tip

#2 1st + 2nd. 10 grms.
20 - 40 - 20 - 20 - 30 - Ag, same as #1

#3 Purple 9 grms
20 - 40 - 20 - 20 - 30 Ag - same as #1

#4 10 grms
20 - 40 - 20 - 20 - 30 - Ag - same as #1

#5 Zinc precip. 3 grms.
15 - 30 - 15 - 45 - 30 Ag - same as #1

Lot #	Cruc. #		Capsule
#1 [illegible]	#1 + #2	} first firing	[illegible] #1, #1
#2 [illegible]	#3		#2
#3	#6		#3
#4	#4		#4
#5	Broken Top		#5

To Calgary - Nov. 17

Purple Title Cal.
#1 - Lot #1 - 2 buds.
#2 - Lot #3 - purple.
#3 - Lots [illegible] #2, #4, #5

Dec. 2/04 Test #823 (Reg 4 AT)

#1 - all = 17 grms. ½ tsp flour
20-45-20-26-30 - dg ½ salt mixed ½ on top about

#2 - Zinc precip. - 15 grms
20-45-20-20-30 - dg - same as #1 - ⅓ tsp flour

Dec. 12/04 Test # 824 Reg 3 AT

#1 - 1st & 2nd - 5 grms.
15-30-15-15-30 - dg ½ tsp NaCl mixed
½ tsp " on top & Bread

#2 - 3rd 20 hrs. - 8 grms.
20-40-20-20-30 dg same as #1

#3 - Zinc - residue. + heat liquid.
20-45-20-20-30 - dg same as #1

Monday Jan. 10/05 - Test # 825

#1 - Zinc 7 grms.

20-40-20-20-30 dg added ½ tsp salt mixed
½ tsp on top plus bread
⅓ tsp flour.

Jan 25/05 Test # 826 (TAT for 2nd set)

#1 - Zinc oxide (2 cm. 30 gm. each)
and #2) 30-50-20-20-30-dg, 1 tsp. table salt mixed
1 tsp " on top + bored
½ tsp flour.

#3 residue ~~for test~~ - 19 gm.

25-45-20-20-30-dg, ½ tsp salt mixed
½ tsp salt on top & bored
½ tsp flour.

#4 Vaseline ~ 15 gm. (after bath)

20-40-20-20-30-dg, ½ tsp salt mixed
½ " " on top & bored
½ tsp flour.

#5 - 20 hrs. 3 gm.
(Forgot to put it in with first syringe)

15-30-10-15-30-dg, ¼ tsp salt mixed
¼ tsp " on top & bored

Feb. 5/05 Test # 827 (For Vest 3AT)

#1 — 9 grms.
20-40-20-20-30-Oy ½ Top 2all mixed
½ " " on Top & Bottom

#2 Zinc 10 grms.
20-40-20-20-30-Oy. ½ Top mixed ½ Top on Top & Bottom

#3 Residue — 20 grms.
25-45-20-20-30-Oy. ½ Top Nat'l mixed
½ " " on Top & Bottom

Feb. 19/05 Test # 828 (For Vest 2AT)

#1 1, 2, 3, 5 grms.
20-40-20-20-30-Oy usual salt.

#2 - Annealed ½ 16 grms.
25-45-20-20-30-Oy usual salt

#3 - ½ of annealed (like #2) 16 grms
Same as #2

#4 - 2nd half H2SO4 30:1 9 grms.
20-40-20-20-30 Oy usual salt.

#5 Zinc - 7 grms
20-40-20-20-30 Oy usual salt.

March 10/25 Test # 829 (For Test 44T)

#1 Residue from , put in furnace Heat at
(17.5 gms) 1200° F for 30 minutes.
25-45-20-20-30 load ½ tsp flour
(Ag added, ½ Tsp salt mixed ½ tsp salt on top
with knife.

#2 Same as # 1 - 17.5 gms.

#3 - 1st + 2nd ,10 grms

20-40-20-20-30, Ag, flour, ½ tsp salt mixed
½ tsp on top & Knife

4 3rd 4th & 5th.
12 grms.
20-40-20-20-30-Ag, flour, ½ tsp salt mixed
½ tsp salt on top + knife

March 31/05 Test #830 (SAT Row)

Total of 108 gms. (6 parts 18 gms each)

#1 – 18 gms
20-45-20-20-30-½ tsp flour. ½ tsp salt mixed
(no Vg) ½ tsp or tsp with soap

#2 – 18 gms
Same as #1

#3 – 18 gms
Same as #1

ATTACHMENT 2.3.1

Loring Test Analyses

Loring Laboratories Ltd.

629 Beaverdam Road N.E.
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R 1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46193

DATE:December 18, 2003

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	3.50 : .0035 mg ÷ 5 = .0007 oz T	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and anaryzed by ICP.

#788

Certified by: [redacted]

3

Loring Laboratories Ltd.
6620 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:48257

DATE:January 16, 2004

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	1.60 ± .0016 mg ÷5 = .0003 opt	<0.01	<0.01	<0.01

#789

Beads dissolved in aquareçia and analyzed by ICP.

Certified by: [redacted]

4

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46385

DATE:March 8, 2004

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	F1802 6.85 .007 opt	1.00 .001 opt	1.58 .0015 opt	<0.01
Lewis #3	F1803 19.45 .019 opt	2.52 .003 opt	1.77 .018opt	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

5

Loring Laboratories Ltd.

529 Beaverdam Road N.E.
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46428

DATE:March 22, 2004

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	18.85	<0.01	<0.01	<0.01
Lewis #2	27.20	<0.01	<0.01	<0.01
Lewis #3	19.46	<0.01	<0.01	<0.01

804

6550 = .065 troz ÷ 5 = .014 oz/ton

Beads dissolved in aqua regia and analyzed by ICP.

Certified by: [redacted]

6

Loring Laboratories Ltd.

629 Sesvenam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46486

DATE:April 2, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Bead #1	0.047	3.03 + .003	2.16	<0.01
Bead #2	0.034	<0.01	<0.01	<0.01
Bead #3	0.018	<0.01	<0.01	<0.01

0.099
÷ 5 = .0193 OPT

Beads dissolved in aquaregia and analyzed by ICP.

11.03 per ton
@ $560 Cad. per oz

Certified by: [redacted]

#805

To : MR. ALAN LEWIS
R.R. # 1, Site 13, Box 18
Ponoka, Alberta
T4J 1R1

File No : ~~46476~~
Date : April 12, 2004
Samples : Beads
Project :
P.O.#

Certificate of Assay
Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta T2K 4W7
Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Au mg	Pd ug	Pt ug	Rh ug
Bead # 1	0.032	< 0.10	< 0.10	< 0.10
Bead # 2	0.010	< 0.10	< 0.10	< 0.10
Bead # 3	0.093	< 0.10	< 0.10	< 0.10

0.135 ÷ 5 = 0.027 opt

#807

NOTE: Due to high silver content of beads, samples had to be diluted to a higher volume to be analyzed. Therefore detection limits for Pt, Pd and Rh are higher.

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

[redacted]
Assayer

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46549

DATE:April 25, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.055	<0.05	<0.05	<0.01
Lewis #2	0.380	<0.10	<0.10	<0.10
Lewis #3	2.090 / 2.525 ÷ 5 = .505	<0.20	<0.20	<0.20
Lewis #4	<0.001	<0.01	<0.01	<0.01

Samples #2+#3 had to be diluted 10 fold to obtain gold concentrations. As a result, PGM detection limits have been compromised.

Beads dissolved in aquaregia and analyzed by ICP.

Lot #8089

Certified by: [redacted]

9

Loring Laboratories Ltd.
629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel 274-2777 Fax 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Poncka, Alberta
T4J 1R1

FILE.46543

DATE:May 5, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Beads #1+2	0.010	0.95	1.36	<0.01
Beads #3	0.014	1.33	2.02	<0.01
Beads #4	0.006	0.36	<0.01	<0.01
Beads #5	0.002	<0.01	<0.01	<0.01

0.032 ÷ 5 = .0064 oz per ton

A 809

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

10

Loring Laboratories Ltd.
829 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:45618

DATE:May 21, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Beads #1	0.019 – 0.019	2.24	<0.01	<0.01
Beads #2	0.818 – 0.815	2.97	0.27	<0.01
Beads #3	0.002 – 0.002	0.65	2.28	<0.01
	0.836 – 5.86		2.56	

#810

Au. .836 mg. ÷ 5 = .167 g per ton
Pt. .0058 ÷ 5 = .0012 g per ton
Pd. ——

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

May 27/04 Au. 540 End. Ends below 1.36
540 X .836 = 451.44 ÷ 5 = 90.28 per ton

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46672

DATE:June 15, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Bead #1	0.008	0.45	<0.01	<0.01
Bead #2	0.007	0.30	0.25	<0.01
Bead #3	0.031	3.62	1.11	<0.01
Bead #4	0.003	0.56	0.40	<0.01
Bead #5	0.004	0.81	0.35	<0.01
Bead #6	~~0.033~~ .086 ÷ 5 = .017 ozpton	5.70	1.04	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Test # 811

Certified by: [redacted]

Pd. # 993 June 30/04 mailed. 96.30

12

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46745

DATE:July 9, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Vial #1	0.003	<0.01	<0.01	<0.01
Vial #2	#1 812 0.014	2.86	1.26	<0.01
Vial #3	0.006 .022÷5=.004	0.15	1.02	<0.01
Vial #4	#813 0.022	10.32	2.28	<0.01
Vial #5	0.006	0.28	0.39	<0.01
Vial #6	#814 0.013	3.93	3.08	<0.01
Vial #7	0.005 .025	0.25	0.41	<0.01
Vial #8	0.006 .024	0.55	<0.01	<0.01
Vial #9	"Ron" 0.029	3.42	1.32	<0.01

#2.97 − 2.49 = .48 ÷ 5 = .096 ≈ .10 #2.49 + .10 = 2.59 ≈ 2.6 per ton

#2.65 per ton

Beads dissolved in aquaregia and analyzed by ICP.

812 - .004 gm per ton Au.

813 - .026 ÷ 5 = .005 gm per ton Au.

814 - .024 ÷ 5 = .0048 gm per ton Au.

13

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46774

DATE:July 22, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Vial #1	0.023	1.24	<0.01	<0.01
Vial #2	0.008	2.41	2.75	<0.01
Vial #3	0.008	13.04	5.53	<0.01
Vial #4	0.012	1.28	1.39	<0.01
Vial #5	0.005	<0.01	0.50	<0.01

0.056 ÷ 5 = .0112 g per ton Au.

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

Test Fl 8 15

$ [redacted] per ton

CK # 132
80.25
Aug 13/04

14

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46803

DATE:July 30, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Vial #1	0.034	1.45	<0.01	<0.01
Vial #2	0.027	<0.0.1	<0.01	<0.01
Vial #3	0.018	<0.01	<0.01	<0.01

.079 ÷ 5 = .0158 oz per ton Au.

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

7816

48.15
ck # 122.
Aug 13/04

15

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2A 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46881

DATE:August 27, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
#1	0.006	<0.01	<0.01	<0.01
#2	0.006	<0.01	<0.01	<0.01
#3	0.003	<0.01	<0.01	<0.01
#4	0.003	<0.01	<0.01	<0.01
#5	0.012	<0.01	<0.01	<0.01
#6	0.003	<0.01	<0.01	<0.01
#7	0.033	0.04	0.02	<0.01
#8	0.007	<0.01	<0.01	<0.01
#9	0.005	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

16

Loring Laboratories Ltd.

829 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47013

DATE:October 8, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
#1A ~~3~~ $320	0.002	1.50	1.34	<0.01
#2A	~~0.010~~ .012 ÷ 5 = .0024 gpr. to Au.	1.65	1.50	<0.01
#1	0.021	0.27	<0.01	<0.01
#2 # 821	0.008	<0.01	<0.01	<0.01
#3	~~0.002~~ .031 ÷ 5 = 11	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

17

Loring Laboratories Ltd.
829 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47175

DATE:Nov.30, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Bead #1	0.072	0.54	1.54	<0.01
Bead #2	0.608	0.35	0.53	<0.01
Bead #3	0.032	0.58	0.84	<0.01

0.712 ÷ 10 = .0712 opt

Beads dissolved in aquaregia and analyzed by ICP.

#822

Certified by: _____

18

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47253

DATE:Dec.23, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.008	0.18	<0.01	<0.01
Lewis #2	0.002	0.34	<0.01	<0.01
Lewis #3	0.005	0.15	0.12	<0.01
Vial A	0.004	0.45	<0.01	<0.01
Vial B	0.008	0.96	1.99	<0.01

#824

.015 ÷ 3 A.T. = .005 au opt

#823

.012 ÷ 4 = .003 au. opt

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

Rd. 11/05
Fax 2.25

19

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 12, Box18
Ponoka, Alberta
T4J 1R1

FILE:47253-1

DATE:Jan. 13, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.003 ÷ 3 = .001 Oz/ton Au.	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

7825

Certified by: [redacted]

20

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47350

DATE:Feb. 1, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.001	<0.01	<0.01	<0.01
Lewis #2	<0.001	<0.01	<0.01	<0.01
Lewis #3	0.001	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

926

Certified by: [redacted]

21

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47350

DATE:Feb. 11, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	<0.001	<0.01	<0.01	<0.01
Lewis #2	<0.001	<0.01	<0.01	<0.01
Lewis #3	<0.001	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

#827

Certified by: [redacted]

22

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0641

FILE:47420

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Poncka, Alberta
T4J 1R1

DATE:March 2, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh g
Lewis #1	0.003	0.20	<0.01	<0.01
Lewis #2	0.005	0.50	<0.01	<0.01
Lewis #3	0.004	0.13	<0.01	<0.01
Lewis #4	0.004	0.23	<0.01	
Lewis #5	~~0.001~~ -.017	~~0.18~~ 1.24	<0.01	

.017 ÷ 2 = .0085 oz/T

Beads dissolved in aquaregia and analyzed by ICP.

9.09 0.74

Certified by: [redacted]

T 828

ATTACHMENT 2.3.2

SGS Lakefield Research Limited
Test Analysis

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2038 FAX: 705-652-6441

Alan D. Lewis Assay & Prospecting
Attn : Alan Lewis

RR1, Site 13, Box 18
Ponoka, Alberta, T4J 1R1
Canada

Phone: 403-783-4567
Fax:403-783-5480

June 23, 2003

Date Rec. : 10 June 2003
LR Report : CA9457-JUN03
Project : 2301634
Client Ref : Au, Pt, Pd analysis - June 9, 2003

CERTIFICATE OF ANALYSIS

Lakefield Research Limited - Final Report

Sample ID	Au g/t	Pt g/t	Pd g/t	Au mg	Pt mg	Pd mg
1: Sandstone (fine ground)	< 0.02	< 0.02	< 0.02	---	---	---
2: Sandstone (semi-fine ground)	< 0.02	< 0.02	< 0.02	---	---	---
3: Conglomerate (fine ground)	< 0.02	< 0.02	< 0.02	---	---	---
#774 4: A Lewis #1	---	---	---	< 0.0002	0.0007	< 0.0002
#772 5: A Lewis #2	1.30	1.45	0.56	---	---	---
6-DUP: Sandstone (fine ground)	< 0.02	< 0.02	< 0.02	---	---	---

Sample "A Lewis #1" was a bead weighing 0.0601g.

[redacted]

Nicole Mozola, B.Sc. (Eng)
Project Coordinator
Mineral Services, Analytical

Accredited by the Standards Council of Canada and CAEAL for specific registered tests.
The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior written approval.

Pd July 07/03 Pd 53.59

3.0 Computer Tabulation and Analysis of Test results

Dr. Walter Haessel, a shareholder and director of 713803 Alberta Ltd., has undertaken a tabulation and computer analysis of the Al Lewis test results to determine if any discernible patterns exist relative to location of sample sources, type of pretreatment/ analysis used, etc., to correlate the relative quality of test results. This work is still in its early stages.

4.0 Discussions with Other Companies

Contact has also been maintained with Birch Mountain Ltd. who is a public company that has been active for several years in pursuing Alberta gold and platinum prospects. Birch Mountain Resources Ltd. is currently concentrating their efforts on developing a limestone quarry to serve the aggregate and quicklime requirements of the Ft. McMurray oil sands industry. However, they have not abandoned their precious metals project and have encouraged us to maintain contact with a view to eventually establishing some form of cooperative effort.

5.0 Summary of Expenditures

The majority of the expenditures incurred by 713803 Alberta Ltd. in the period covered by this report (May 2003 to April 2005) are represented by contributed labor of Al Lewis. Small amounts of contributed labor were provided by Dr. Walter Haessel and Robert Liddle.

The value of contributed labor plus other expenditures are summarized below:

5.1 Contributed Labor

(a) Alan Lewis

(i) Travel June 8-11/03 from Ponoka to Lakefield, Ontario to observe SGS Lakefield Research Limited procedures of assaying samples and to leave samples with them for assay

4 days [redacted] $ [redacted]

(ii) Travel December 3 – 6, 2003 from Ponoka to Langley, B.C. to meet with Mr. Norm Smalley re assay and extraction processes, etc.

4 days [redacted] $ [redacted]

(iii) Lab Analysis and testing in home lab over the period April, 2003 to March, 2005

[redacted] $ [redacted]

(b) Dr. Walter Haessel

Tabulation and computer analysis of Al Lewis test results

Walter Haessel [redacted] $ [redacted]

5.2 Materials, Services and Travel Expenses

Al Lewis $ [redacted]

5.3 Report Preparation

Al Lewis [redacted] $ [redacted]
Robert Liddle $

Grand Total Costs	**$68,696.00**

NORTHWEST ALBERTA PROJECT

Supplementary Information re

Mineral Assessment Report
Dated May 17, 2005

Metallic and Industrial Minerals
Permit Nos. 939701001 and 939701002
Permit Holder Alan David Lewis

Submitted by

713803 Alberta Ltd

October 13, 2006

Introduction

For the last several years, the work undertaken by 713803 Alberta Ltd. has focused entirely on the work being performed by Alan Lewis to try and establish a reliable and repeatable ore pretreatment and leaching processes that will in turn result in positive precious metal assay analysis. Accordingly there has been no new work in certain of the areas addressed in your request for supplemental information. However to be responsive to your request we have provided copies of relevant work or information that had been previously submitted in earlier assessment reports

Discussion of Geology and Formations over Permitted Lands

The geological interpretation of the permitted lands was provided by 713803 Alberta Ltd under Tab 3 of its original assessment report dated May 14, 1999. For convenience, a copy of the that material is provided as Attachment 1 to this supplemental report. No further geological analysis has been done since that time.

Sample Location

All of the sample ore material analysed during the April 2003 to March 2005 period was obtained from the bulk ore sample(approximately 20 cu yds.in total collected on July 18, 2000 which was delivered to and stored by Mr. Lewis near his home based lab) This sample was collected from Area 1 shown on the attached Map entitled attachment 2. This bulk sample collection was described and discussed in the assessment report dated May 17,2001.

Discussion of Test Results

As discussed in previous assessment reports (May 14, 1999, May 17, 2001 and May 12,2003) 713803 Alberta Ltd continues to face the challenge of developing and establishing a reliable and repeatable sample pretreatment and leaching techniques to remove and capture the precious metal content from the ore sample. Accordingly the test analyses reported under tab 2 of the May 7, 2005 assessment report describe the various pretreatment and leaching and processes that were used and covering the period reported (April 2003 to March 2005) in this assessment report . .
The pretreatment agents included:
H2SO4 (sulfuric acid)
NaOH (Sodium hydroxide)
HN03 (nitric acid)

Differing concentrations and proportions of these pretreatment agents were used in the various tests.

Once a sample was pretreated, different leaching agents were utilized to extract the precious metals from the ore samples . These leaching agents included:

HCl (three parts) and HNO3 (one part) (known as Aqua Regia)
NaCl (common salt)
NaBr (sodium bromide)
KI (potassium iodide)

Again, different concentrations of leaching agents realized in various tests. These varying concentrations of leaching agents resulted in differing levels of PH (acid – alkalinity balance) and differing levels of ORP (oxidation reduction potential)

The leached solution was then precipitated and dried. The dried precipitates were then fired in a conventional fire assay and the resulting bead weighed. In certain instances as noted in the table the bead precious metal content was analyzed by an external lab (Loring) to provide independent confirmation of the results that Lewis was achieving.

The specific concentrations of agents used in the various analyses are not reported in the table. This is based on the anticipation of 713803 Alberta Limited that once repeatable techniques are established that they would provide proprietary analytical knowledge which could be the basis of patent applications.

Qualifications and Experience of Alan Lewis

Mr. Lewis first became interested in gold mining in the nineteen seventies. Through reading, visits to gold mining operations in Australia and the Yukon and discussions with people active in the mining industry, Mr. Lewis developed sufficient knowledge and interest to initiate his first actual mining activity in the Yukon in 1980.

During the next seventeen years from 1980 to 1997, Mr. Lewis and his associates mined several properties in the Yukon including Bonanza Creek, Vancouver Creek, and the Moosehorn Range with varying degrees of success. In some years 40 to 80oz. of gold per day were successfully mined over the course of the 90 day summer Yukon mining season.

In the mid nineteen nineties, Mr. Lewis became aware of the gold potential of Northwestern Alberta and through his knowledge and experience developed a proposal that was successfully presented to ten other investors in 1996 resulting in the formation of 713803 Alberta Ltd. These individuals, along with Mr. Lewis remain the shareholders of 713803 Alberta Ltd to the present day.

Mr. Lewis equipped his own testing lab based the knowledge he had gained in the seventeen years of Yukon mining experience. Supplemented by additional discussion and reading germane to the "fine gold" type of ore found in Northwestern Alberta, Mr. Lewis developed and continues to develop the analytical approaches that are being used by 713803 Alberta Ltd .

In the early years of the 713803 Alberta Ltd's activities, confirmation of the quality of Mr. Lewis' laboratory facilities and analysis was provided by Mr. Doug Read, President of Cantech Laboratories Inc. Mr. Read confirmed in a letter provided to 713803 Alberta Ltd. that the work performed by Mr. Lewis was reliable and consistent with established practices of commercial laboratories.

A copy of the letter provided by Mr. Read was included in 713803 Alberta Ltd's original assessment report dated May and is included as attachment 3 to this supplementary report. Since the time of writing of Mr. Read's letter, Mr. Lewis has continued to improve the quality of these equipment and now has in place an additional propane fired furnace and has an improved scale capable of resolution to one ten thousandth of a gram. Mr. Lewis has also are obtained a separate lab trailer to house the laboratory equipment which again improves the quality of operations from the time of Mr.Read's assessment when the lab equipment was housed in a vehicle garage.

Mr. Lewis and other 713803 Alberta Ltd shareholders also met with principals of Birch Mountain Resources Ltd, a much larger public company which has been engaged in research and development of "fine gold" analytical process is in the same time frame as 713803 Alberta Ltd.. The purpose of the discussion was to explore analytical approaches to Northwestern Alberta "fine gold" ore samples. The Birch Mountain personnel were similarly supportive of the approaches and analytical techniques undertaken by Mr. Lewis.

Discussion of Results from Computer Analysis of Lab Data

The work performed to date has been to enter data into computer data files , but no analysis of that data has been undertaken yet.

Revised Expenditure Statement

713803 Alberta Ltd. believes that the expenditures submitted in the original expenditure statement remain valid. 713803 Alberta Ltd is not requesting any additional expenditure allowance for the time expended in preparing this supplemental report.

Attachment 1

Geological Discussion

3. Geological Interpretation Report

The 713803 Alberta Ltd. geological interpretation of the "west" permit area, as it relates to the Bad Heart sandstone and conglomerate deposits is set out in the following report entitled "Geological Survey, November 11-12, 1997" prepared by A.A. Wilkins, P.Geol.[1]

Also attached is a copy of a field drilling report prepared by the Manager of Drilling, Mr. B. Luft, for activity undertaken during the period March 21 through March 25, 1998 (Attachment 3.1). This report has been previously submitted to the Alberta Land and Forest Service on May 22, 1998.

[1] Note that further interpretation letter reports have also been provided by Placer Dome North America (Section 5.1) and BHP Minerals Canada Ltd. (Section 5.2).

Geological Survey November 11-13, 1997

A geological Field Trip was made to the West Permits to determine the best location to capture bulk samples for analysis.

Base Camp was established at the Airport Motel in Dawson Creek on November 11, 1997. Using Alan Lewis' 4x4 Dodge Ram Extended Cap Truck and all terrain ARGO low pressure rubber tire 8 wheel vehicle Messrs. Lewis, Luft, and Wilkins carried out a two day geological field trip over 713803 Alberta Ltd.'s West Permits and adjacent lands.

Although unanimous agreement concerning the geological interpretation of the West Permits was not reached, the following summarizes the writer's observations and opinions regarding the stratigraphic nature of the Bad Heart Conglomerate and Sandstones at eight (8) locations visited during the field trip. (See Map 1).

Day 1 November 12

Site (1) NW ¼ Section 29 78 12 W6M (Not on Map)

This site, a local "gravel pit" on crown lands, sits approximately two miles east of the West Permit's eastern boundary. Access was reached by foot from a good condition provincial road. Very little sediment has been removed from a twenty foot high glacial mound of poorly sorted clays, sand, pebbles and boulders. A very poor access road, mainly ice covered, probably is the reason why only limited amounts of material have been taken from this pit. The surface elevation of the pit ranges between 2650 and 2700 feet therefore the top of the Bad Heart Sandstone has been glacially eroded. Drilling would be required to determine:

1) the surface elevation and thickness of the Bad Heart Sandstone; or
2) if it has been totally glaciated at this location

Site (2) N ½ Section 10 78 13 W6M

Access to this location was reached, from Site 1, by Lewis' 4x4 truck with the ARGO in tow. Travelling in a south and southwesterly direction the surface elevation ranged between 2650 and 2850+ feet over the eight miles traversed. Road conditions, provincial and well site, over the eastern portion of the West Permit varied from good to very poor. Timber in the area is mainly mature poplar with some spruce growing out of clayey glacial debris. The Bad Heart Sandstone was not observed to outcrop along this road traverse.

At the Site, Luft and Wilkins walked a ¼ mile South to North traverse along a cut line from an abandoned well site in the NW ¼ of section 10 to the boundary of section 15 (Anderson Road). Glacial debris caps the hill at the well site location. About 200 feet of elevation drop took place from the beginning to the end of the traverse (2793 to 2600 feet).

No out crops of the Bad Heart Sandstone were observed, however it was evident from sediments contained in the root systems of fallen trees that the Bad Heart Sandstone lies very close, within 1 to 3 feet, of the surface at this location.

The sample collected by Luft and Lewis in this locality, during their September trip, is probably a mixture of indigenous Bad Heart Sandstone and glacial debris. Also, in close proximity to this location, a large (1 and ½ ton) bulk sample was taken by Lewis and Wilkins during the brutally cold winter of 1996. No further samples were collected from this site since Lewis has carried out numerous assays on the bulk sample sediments, as well as the material mentioned above, collected in September.

Site (3) NW ¼ Section 23 78 13 W6M

The ARGO was used to reach this location, following a quick carburator overhaul done by Lewis with Luft's assistance. A good trail (ARGO TRAIL) about 30 feet wide, impassible in places by a 4x4, runs due north along the western boundary of section 13 and then NNW across section 23. Logging of poplar trees has occurred along this trail with preparations underway for further removal of timber during the upcoming winter.

This site was first visited in the winter of 1996 by Wilkins. Access was gained, from the west, by snowmobile operated by a local farmer/trapper who resides in the Spirit River Area. Messrs. Fonteyne, M. Frost and Lewis collected samples from this site and surrounding area this past summer. As well Luft and Lewis collected bed rock samples from this site during their September trip.

About 45 feet of Bad Heart Conglomerate outcrops at this location, forming a near vertical cliff face. Considerable spalling and slumping has taken place dislodging large, up to 40 x 40 foot blocks, of conglomerate. The sandstone has a gradual slope, about 3.0 degrees, and is covered by topsoil and vegetation. The conglomerate was observed to outcrop 50 to 75 yards to the east of the cliff face. To the SE for about 1/2 mile the conglomerate outcrops and is generally covered by a thin layer of moss. To the NW the cliff face can be seen extending almost to the Bay Tree pit.

Bot the conglomerate and sandstone dip about 5 degrees to the East, although a true dip reading is not possible because of the slumping that has occurred at this location. Samples of the conglomerate and sandstone (at the contact point) were collected. It was observed that the grain size of the conglomerate pebbles increased from the base to the top of the exposed interval suggesting a shore line environment rather than channel fill.

Site (4) NW ¼ Section 14 78 13 W6M

A glaciated depression forms a draw and shallow saddle between the two major topographic highs on the West Permit. The Pouce Coupe oil pipeline right-of-way runs up the center of this draw along the northern border of section 14. Luft and Lewis collected a sample from this right-of-way during their September trip. Rounded glacial boulders, granite and quartzite, were observed at the sample collection site as well as 20 feet below such site where a large uprooted tree exposed the underlying sediments. Sufficient platy sand fragments were observed at both locations to indicate that the glacial till probably contains, in part, Bad Heart Sandstone indigenous to the area.

Day 2 November 13

Base Camp was Vacated at 8:30 a.m.

Site 5 Tree Tower Pit (Located in B.C. 3 Miles due West of Section 4 of West Permits) (Not on Map)

Site 6 NW ¼ Section 4 78 13 W6M

This site was reached by ARGO, travelling south on a cut line which runs along the eastern boundary of Section 8 and then east on a very old cut line, heavily overgrown by 2 to 3 inch poplar trees. Luft and Lewis collected random samples from this cut line near the 2700 to 2750 foot surface elevation during such trip. A short distance to the south of the cut line Wilkins observed and collected samples from Bad Heart Sandstone outcrops which were discovered at 2750, 2700 and 2675 foot surface elevations. The sandstone dips in the range of 5 to 10 degrees to the east at this location although some slumping may have taken place. The Bad Heart Conglomerate was not found at this location.

Site 7 SW ¼ Section 27 78 13 W6M

Luft and Wilkins accessed this location by foot climbing in a northeasterly direction from the Bay Tree pit. The northwestern end of the horseshoe shaped cliff escarpment was intersected about ½ mile from the Bay Tree pit. At this location, the cliff is capped by 1 foot of conglomerate underlayen by cliff forming sandstone. Total vertical thickness, "eye balled" from the top of the cliff, is estimated to be 25 to 30 feet. Samples from both the conglomerate and sandstone were carried back to the 4x4 at the Bay Tree pit.

Site 8 NW ¼ Section 25 78 13 W6M

This site, referred to as the Moxely Pit, was accessed by the Dodge 4x4 via a good provincial road. The Bad Heart Sandstone is within 1 foot of the surface at this location. The surface elevation ranges between 2750 to 2700 feet. Interbedded in the sand is 1 foot of conglomerate occurring 5 feet below the top of the sand. This conglomerate is finer grained and more friable than the cliff forming conglomerates observed at the other sites. Samples of the conglomerate and sandstone were collected.

General Topography & Stratigraphy

The thickest exposed Bad Heart conglomerate section observed was at Site 3. Pit excavations at Sites 5 & 8 expose the thickest sections of Bad Heart Sandstone. The most extensive removal of the Bad Heart formation has occurred at the Bay Tree pit which covers an area the size of a CFL football field from the pit's entrance to the eastern rim of the pit. Drilling will be required to confirm the remaining thickness of sandstone, however, a good estimation would be that about 5 feet of sand remains below the base of the pit. There is possibly an unexcavated 10 foot tier of sandstone about 50 by 30 yards remaining in the pit below the glacial till deposit which forms the topographic high (2800+ feet surface elevation) on the north side of the pit. (See schematic X Section 1).

The Bad Heart conglomerate is interpreted to be a shoreline deposit about 55 feet in thickness where it outcrops at Site 3. It occurs as a wedge in the sandstone sequence thinning to the northwest and the southeast. Based on a discussion held with a local Spirit River resident, who worked for NOVA during its pipeline construction in the area, the conglomerate extends several miles to the east. If dip readings at Site 3 are true the conglomerate will occur at increasing depths to the east. Overburden thickness will also be significantly greater in some areas. (See Schematic X Section 2).

More detailed mapping will be necessary to confirm the wedge-like nature of the conglomerate and facies change to sandstone along the horseshoe bluffs in sections 23 & 27.

The Bad Heart conglomerate is dark grey in color. Grain size of the pebbles varies form ¼ to 1 inch and all are rounded or oval in shape. The pebbles are predominantly micro crystalline quartz or chert. The cementing agent is non-calcareous, probably silica. The matrix consists of fine sandstone and silt with only minor amounts of argillaceous material typical of a shoreline deposit. Grain size orientation provides the rock with considerable strength and hardness in one direction. However, when fragments are broken away from the outcrop they become very friable.

The Bad Heart Sandstone is tan in color composed predominantly of poorly rounded and irregular clear quartz grains in a very argillaceous matrix. The rock is weakly silica cemented and rock integrity results form packing of the argillaceous matrix.

The sandstone is interpreted to be marine deposit laid down in a tectonically active basin. Diastrophism formed the Peace River Arch, an uplift which occurred throughout the depositional history of the northwestern portion of the Western Canada Sedimentary Basin. Rapid sedimentation, in the geological sense, lays down poorly sorted argillaceous sandstones which the Bad Heart sandstone typifies.

The thickness of the Bad Heart sandstone underlying the West Permits is at least 90 feet. The base of the sandstone has not been seen in outcrop, however, the base of the Bay Tree pit may be near the contact with the underlying formation which is most likely a shale deposit (Muskiki Shale).

Bedding planes have been observed in outcrop sections and pit excavations. Bed thickness varies between only a few inches to over five feet. In sections where the sand is thinly bedded (platy), the rock splits along muscovite rich bedding planes.

Summary and Conclusions

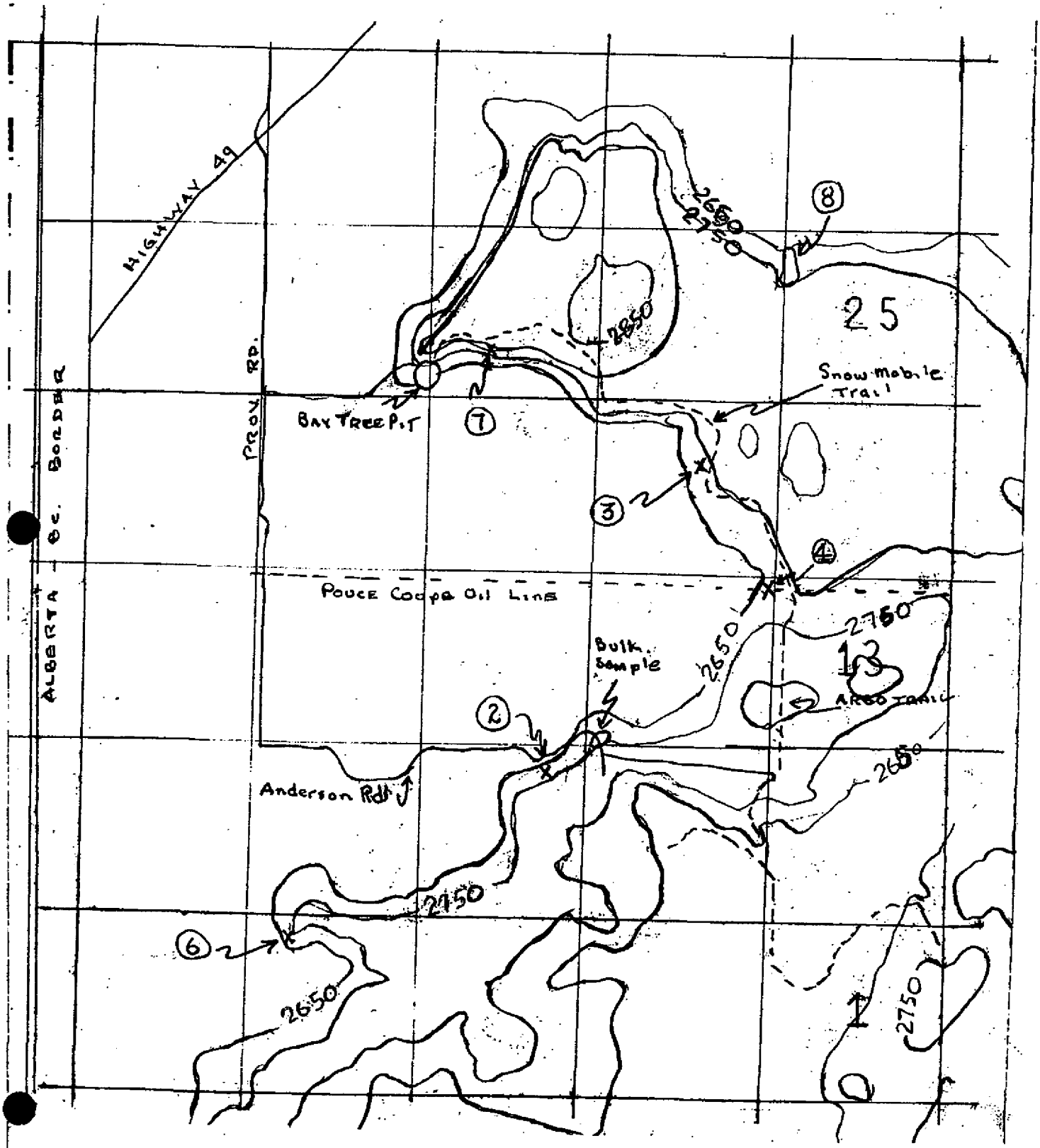
Field geology has identified 4 large areas where conglomerate and/or sandstone rock is within 1 foot of the surface. (See Map 2).

More selective analysis of the samples collected at the above sites will be necessary.

Sites 2 & 8 are the most easily accessible for bulk sample collection. Sites 3 & 7 may become more readily accessible if logging operations upgrade the roads into these sites.

TWP 78 RGE 13 W6M

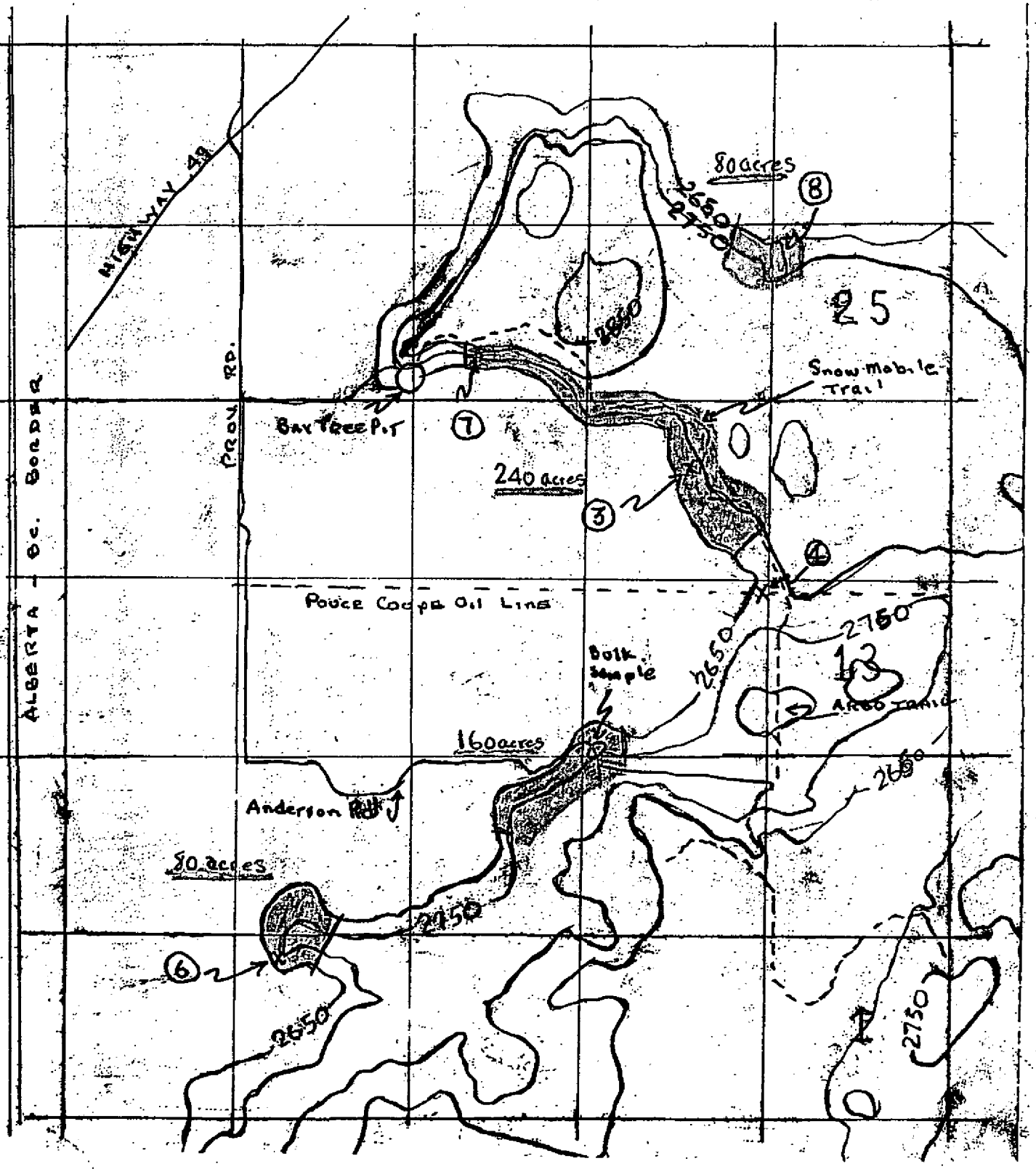
MAP 1



– 2750 – SURFACE ELEVATION

TWP 78 RGE 13 W6M

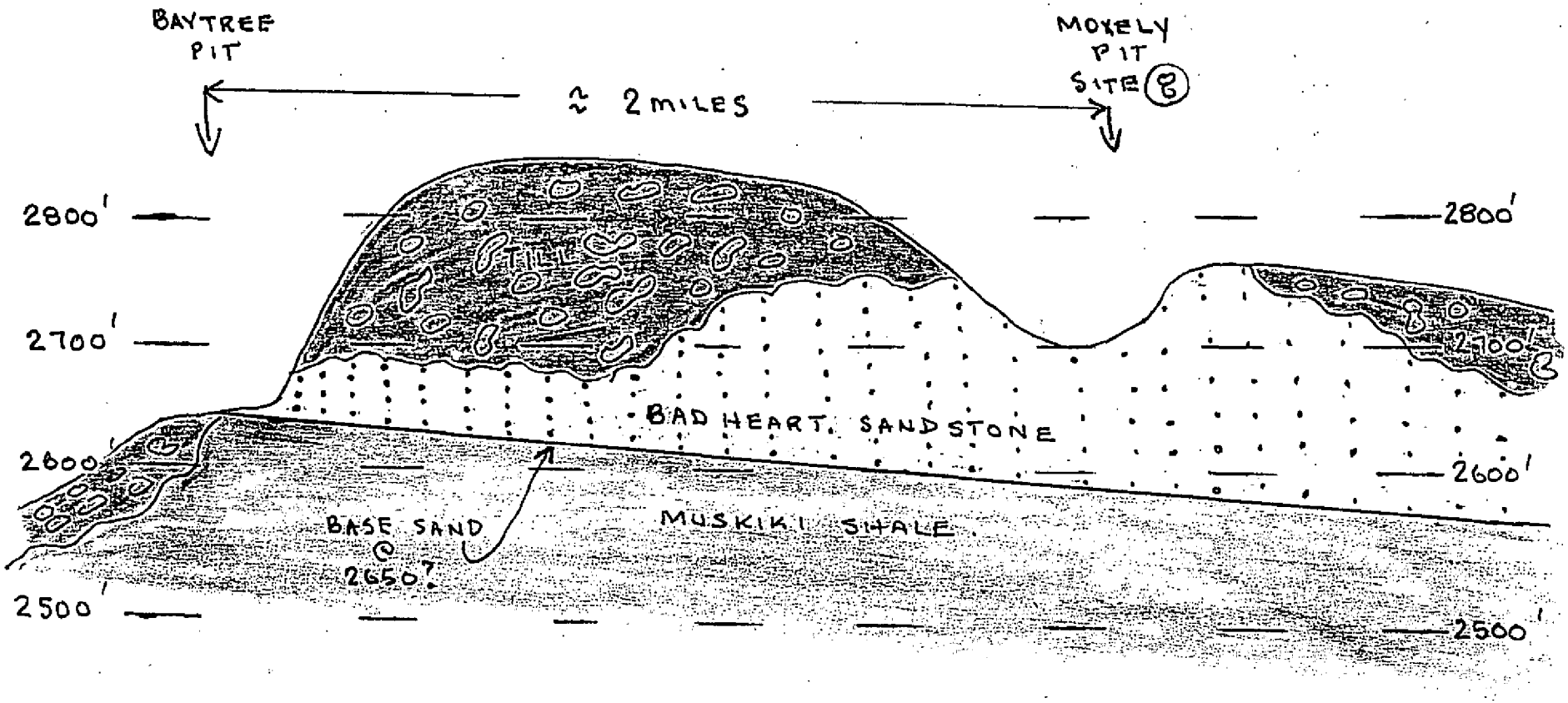
MAP 2.



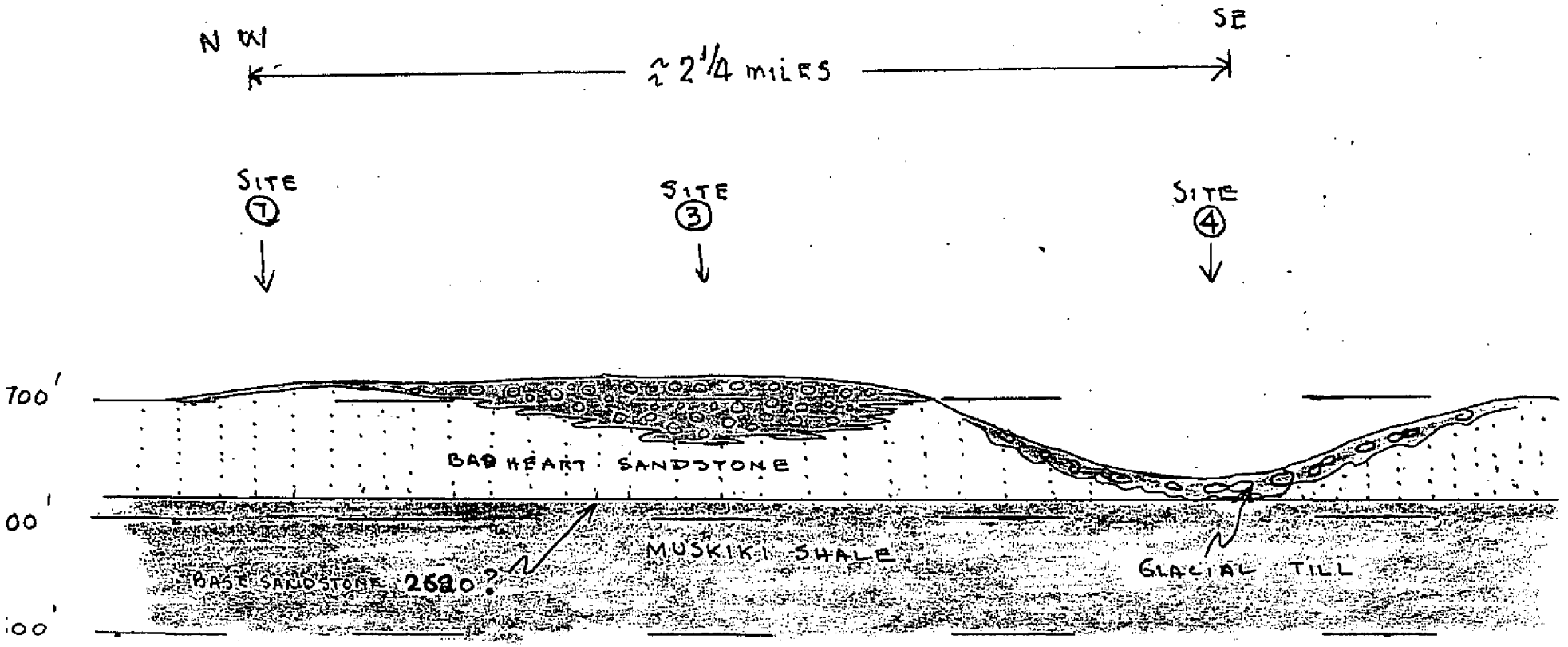
— 2750 — SURFACE ELEVATION

SCHEMATIC X SECTION (1)

S.W. N.E.



SCHEMATIC X-SECTION (2)



B.G. Luft
116 Oakland Place S.W.,
Calgary, Ab. T2V 4M8

Phone (403)251-4508
Fax (403)251-4508

May 22, 1998

Mr. Ralph Jamieson
Exploration Technologist
Disposition Services Branch
Lands and Forest Service
Petroleum Plaza, South Tower
9914 - 108th Street,
Edmonton, Alberta
T5K 2G8

Dear Mr. Jamieson,

Re: Exploratory Drilling, Baytree, Alberta
713803 Alberta Limited
Exploration Licence #5145

Enclosed are five copies of the final report on the exploratory drilling activity undertaken by 713803 Alberta Ltd. during March 23 and 24, 1998.

Also enclosed are copies of a summary report sent by our Mr. Alan Lewis to Mr. Cory Wojtowicz, Forest Officer, Land and Forest Service, in Grande Prairie, Alberta.

The drill cutting samples, 27 in all, have been forwarded to Mr. Dixon Edwards, P. Geology, at the Alberta Geological Survey in Edmonton.

Please contact myself or Bob Liddle at (403)239-4546 if you have any questions or comments.

Thank you.

Barry Luft
for 713803 Alberta Ltd.

FIELD REPORT

Saturday March 21 - Wednesday March 25, 1998

The objective was to arrange and oversee the drilling of six test holes to define the geographical extent, overburden depth and gross thickness of the Bad Heart conglomerate zone. Cutting samples were taken at all six wells.

SATURDAY - MARCH 21

Lewis and Luft travelled to Hythe, Alberta and met with representatives of Hopper Drilling. (The principals of Hopper Drilling are located in Beaverlodge, Alberta, but their shop is in Hythe). We arranged to meet with the driller and his helper (Murray and Chad) in Pouce Coupe on Sunday, to travel to our permit area and determine the viability of the drilling program. Arrangements completed, Lewis and Luft progressed to Dawson Creek.

SUNDAY - MARCH 22

We met with drillers in Pouce Coupe at 9 A.M., then travelled to the site of the recent oil well on the 'Anderson Road' (16-9-78-13), unloaded skidoos and travelled to site of #1 proposed test hole (NE/4 - Lsd. 16-9-78-13) at the top of the hill at the junction. It was apparant that the road would have to be snow-plowed prior to bringing in the drilling rig and water truck. Al and Murray continued on the snowmobiles to reconnoiter the other potential drill sites. All required some snow-plowing of roads, trails or cut lines to provide accessibility. We returned to Pouce Coupe and met with Herb Nodes of Nodes Construcion, to arrange for snow-plowing equipment. Herb agreed to provide a D-6 caterpillar tractor for Monday morning. We arranged to meet at the 16-9 lease site before 8 A.M. The driller agreed to be there shortly after 8 A.M. It was clear that any travel with heavier equipment had to occur prior to 9 A.M. NOTE: There was a 10 A.M. to 10 P.M. road ban in effect in Alberta.

MONDAY - MARCH 23

Truck carrying the D-6 showed up at 16-9 lease at approximately 7:43 A.M., unloaded, attached dozer blade and proceeded to snow-plow the 'Anderson Road'. We reached #1 drill site at 8:55 A.M. Drilling rig and water truck arrived at the same time. Drill rigged up and started drilling at 9:25 A.M.

**** #1 NE/4 of Lsd. 16-10-78-13 Elev. 2750' TD 60'
Sample intervals 0-10, 20-30, 30-40 and 40-50.

DRILLERS COMMENTS:
Encountered brown sand(stone?) at 4'
Grey sand(stone?) at 7'
Brown sand(stone?) to 17'
2 or 3 ft. shale lens at 17'
Brown sandstone from 20' to 30'
Thin shale lens at 30'
Brown sandstone to 35'
Sandstone and shale to 40'
Brown sandstone to 52'
Grey shale from 52 to 60'
End of stand - quit drilling

Cleaned up site and filled hole (didn't have enough cuttings to completely fill hole, so returned on Tuesday and completed filling with bagged produce supplied by driller). Travelled east to gas plant, then north to pipeline right-of-way to second site, immediate north side of the right-of-way. Rigged up and started drilling #2 at 11:50 A.M.

**** #2 NW/4 of Lsd 8-14-78-13 Elev. 2760' TD 60'
Sample intervals 0-10, 10-20, 20-30, 30-40, 50-60

DRILLERS COMMENTS:
Blue clay
Some brown sand returns at about 5'
Blue clay at 6'
Blue clay all the way to 60'; odd brown SS rock
End of stand, quit drilling

Cleaned up site, filled hole, rigged down and returned to north/south road, and proceeded north to the southwest corner of logged out area. Moved to site #3 and rigged up - started drilling at 2:40 P.M.

**** #3 NE/4 of Lsd. 13-13-78-13 Elev. 2760' TD 80'
Sample intervals 30-40, 40-50, 50-60, 60-70, 70-80.

DRILLERS COMMENTS:
Blue clay from surface to 42'
Conglomerate at 42'
Hard drilling at 64' - sandstone?
Changed bits at 64'
Still conglomerate to 72'
Encountered grey sandstone at 72'
End of stand at 80' - still grey sandstone
Quit drilling at 80' --- Time: 4:10 P.M.

Cleaned up site and filled hole - rigged down and moved east along the cutline towards #4 site.

TUESDAY - MARCH 24

****#4 NE/4 of Lsd. 16-13-78-13 Elev. 2770' TD 20'
Samples taken 0-10, 10-20 and bottom.

DRILLERS COMMENTS:
Loose conglomerate gravel at surface
3 feet of brown sand at 4 or 5'
Clay from 8' to 20'
End of stand; quit drilling.

Tidy up site and fill hole; progress south down cutine to pipeline right-of-way --rig up and drill #5.

**** #5 NE/4 of Lsd. 7-13-78-13 Elev. 2780' TD 20'
Sample taken at 20'.

Clay from surface to end of stand 20'
Quit drilling.

Filled hole, rigged down and travelled west to north/south road, went north to site #6, rigged up and started drilling at 12:35 P.M.

**** #6 NE/4 of Lsd. 1-23-78-13 Elev. 1740' TD 80'
Samples 0-10, 10-20, 20-30, 30-40, 40-50, 50-60, 60-70 and 70-80.

DRILLERS COMMENTS:
Conglomerate at 1 or 2'
Sandy conglomerate to 15'
'Pure' conglomerate from 15' to 58'
Grey sandstone from 58' to 80'
End of stand, quit drilling at 2:50 P.M.

Fill hole, tidy up site.

WEDNESDAY - MARCH 25

Lewis and Luft travelled to Grande Prairie; tried to meet with Cory at the Alberta Forestry and Environment, as a follow-up to Al's attempts to contact him last week. Cory was out of the office but Al reached him on his cellular and recapped our activities. Lewis and Luft then to south Grande Prairie to visit with Weyerhauser Canada Ltd. Weyerhauser owns the timber rights in the area of our interest.

NOTE:

Our original plan included the drilling of some test holes to the north of holes 3,4 and 6. However, because the 'rim trail' is in the protected area where no equipment is allowed and the cutlines north of site #4 encounter considerable stretches of muskeg, we were unable to drill in that general area. More field work should be done in the area between the conglomerate outcrop rim and the Moxnes pit (where conglomerate is visible) to determine thickness of the Bad Heart conglomerate at various locations.

**** Locations and elevations are taken from small scale surface and topographic maps and should be read as approximate.

Government of Alberta,
Lands & Forests,
Grande Prairie, Alberta.

Attention: Cory Woytowicz,
Re: MME - 971273.

EXPLORATION SOUTH OF BAYTREE, ALBERTA,
713803 ALBERTA LTD.,
EXPLORATION LICENSE NO. 5145.

Two snow machines were used on March 22, 1998, to assess the project, but the depth of the snow in the area made it very difficult.

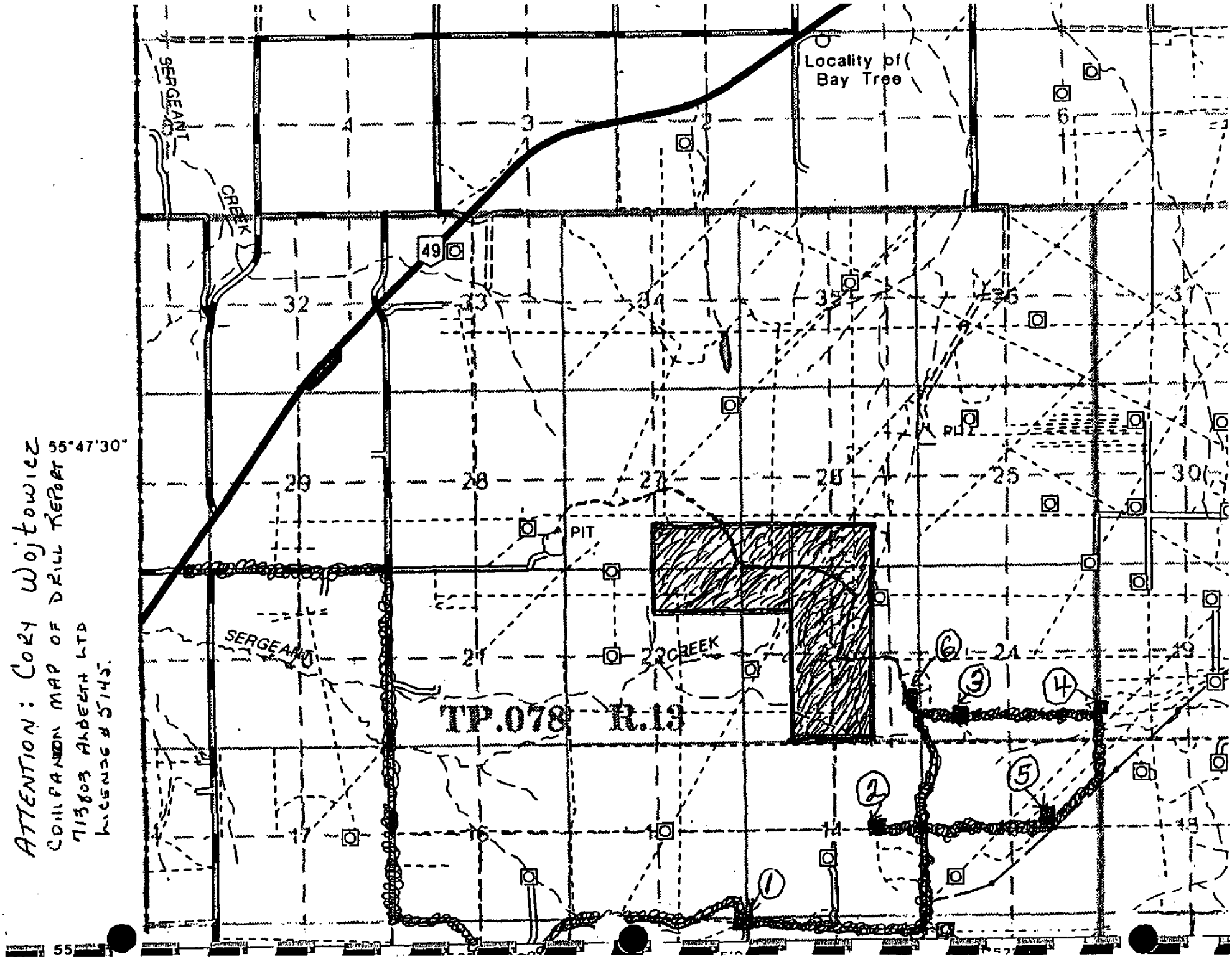
The snowplowing and drilling started March 23, 1998, and it was all finished March 24, 1998. One tandem drill truck, one tandem water truck, one 4 x 4 ½ton and one D6 Caterpillar - this was the equipment used.

The access to the drilling (see accompanying map) is the shaded - in road from highway 49, ½ mile East of the county road on Anderson Road, at the new oil well drill site approach, the road had to be plowed to all 6 test holes. All the plowing and drilling was done on existing trails and cutlines.

End Report.

[redacted]

ALAN LEWIS.
04/02/98


ATTENTION: Cory Wojtowicz
COMPANION MAP OF DRILL REPORT
713803 ALBERTA LTD
LICENCE # 5145.
55°47'30"
Locality of Bay Tree
SERGEANT CREEK
49
PIT
PIT
SERGEANT CREEK
TP.078 R.13
1
2
3
4
5
6
2A

Attachment 2

Location of Ore Samples

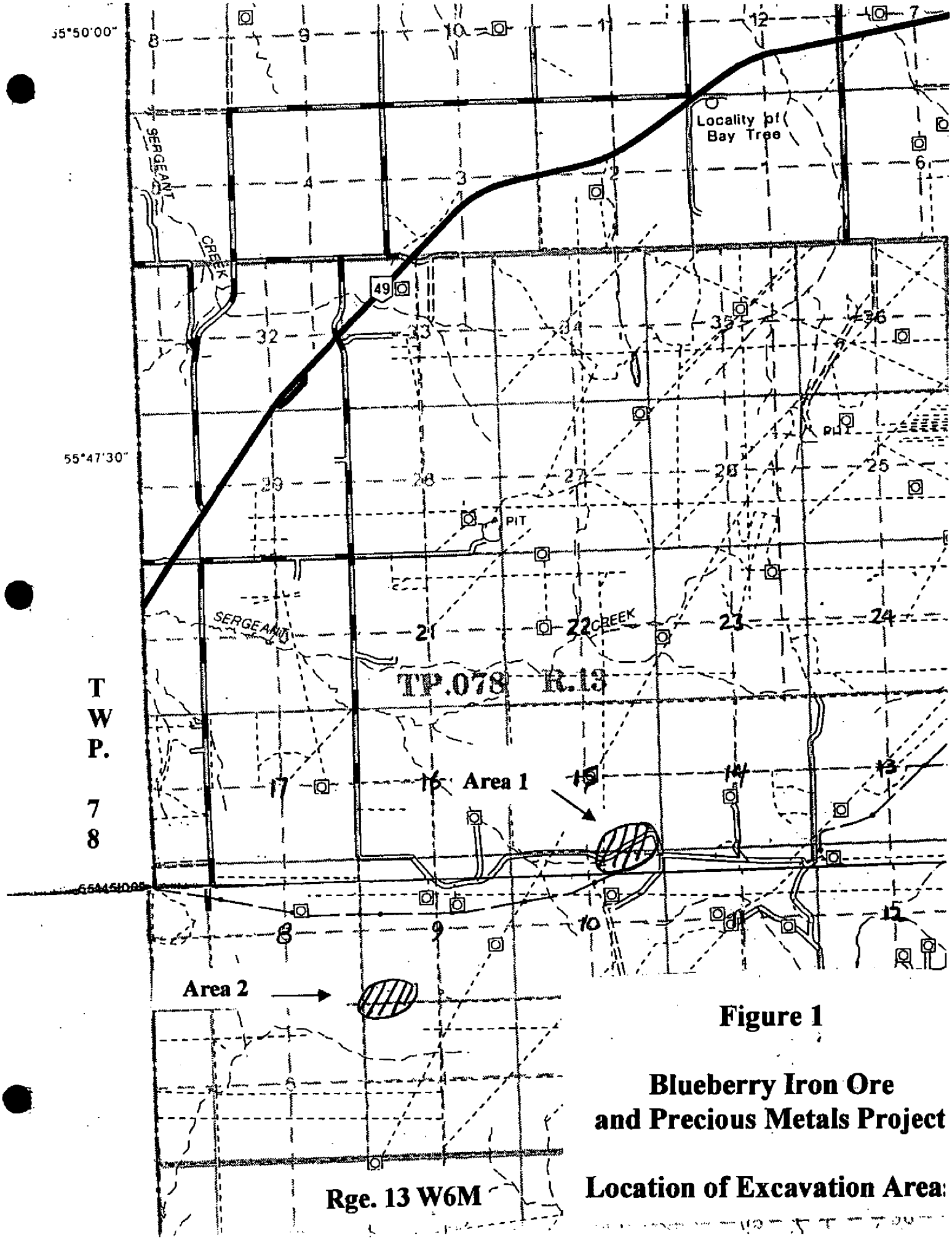


Figure 1

Blueberry Iron Ore and Precious Metals Project

Location of Excavation Area

Attachment 3

Letter from Mr. Dave Read

President, Cantech Laboratories Inc.

CanTech *Laboratories Inc.*

4200B-10 Street N.E.
Calgary, Alberta
Canada T2E 6K3
Tel (403) 250-1901
Fax (403) 250-8265

Kleine Waterstraat 2-6
Box 2510
Paramaribo - Suriname
Tel (597) 421523
Fax (597) 421533

September 15, 1997

713803 Alberta Ltd.
124 Edgehill Close N.W.
Calgary, Alberta
T3A 2X1

Attention: Mr. G.R. Walsh

Re: Assay Procedure (Alan Lewis)

Dear Sir:

At your request, I visited the home of Mr. Alan Lewis in Ponoka, Alberta on July 17, 1997 to view his assaying operation. In adddition to yourself, Alan and Mr. Bob Liddle, two other gentlemen were also present, namely Messrs. Art Wilkins and Barry Luft whom I understood are also participants of this Company.

1 make a few comments herewith:

Sample Preparation: The rolling ball mill in use is acceptable and appropriate for this type of operation. I did not see the cleaning of the mill after the sample was prepared; however, Alan assured me that compressed air and brushes were used between samples.

Sample Weighing: A beam balance was used for weighing both the sample and the flux charge for fire assay. A more accurate digital top-loading balance would be more suitable and accurate.

Fire Assaying: The electric furnace in use is acceptable. My only comment would be that the temperature increase is slow and difficult to maintain at the desired temperatures of 1600 F and 2000 F. This lack of temperature control could possibly have some effect on the end result.

...\2

I provided Alan with a CANMET Certified Reference Sample from Ottawa to run alongside the samples he was assaying that day. The result he obtained for this standard was certainly within the accepted range after taking into consideration the possibility of errors arising from the above comments. His result of 0.165 opt compared with the accepted value of 0.25 opt.

Overall I found the procedures for sample preparation and fire assaying carried out by Alan to be of a generally acceptable standard.

I hope this information is of assistance to you. If you have any questions, please do not hesitate to contact me.

Yours truly,
CanTech Laboratories, Inc.

[redacted]

C. Douglas Read
President

MAY 0 6 2005
20050008

NORTHWEST ALBERTA PROJECT

MINERAL ASSESSMENT REPORT

Metallic and Industrial Minerals
Permit Nos. 9397010001 and 9397010002

Permit Holder Alan David Lewis

Submitted by

713803 Alberta Ltd.

May 7, 2005

Table of Contents

Executive Summary

Activities of 713803 Alberta Ltd. May 2003 to April 2005

The last mineral assessment report was submitted on May 12, 2003. Since that time the activities of 713803 Alberta Ltd. have been primarily a continuation of testing of ore pretreatment and assay analysis techniques at Mr. Lewis' home-based lab facilities. Unfortunately, consistent with prior experience, none of that additional work in the period since May 2003 has been successful in establishing either the existence of significant quantities of precious metals on a widespread basis in the ore bodies or a commercially viable technique to extract those precious metals.

713803 Alberta Ltd. has maintained contact with other companies or individuals who are pursuing similar efforts to extract precious metals from similar ores to determine if any joint efforts are feasible. These discussions have not led to any joint ventures at this time.

1.0 Introduction

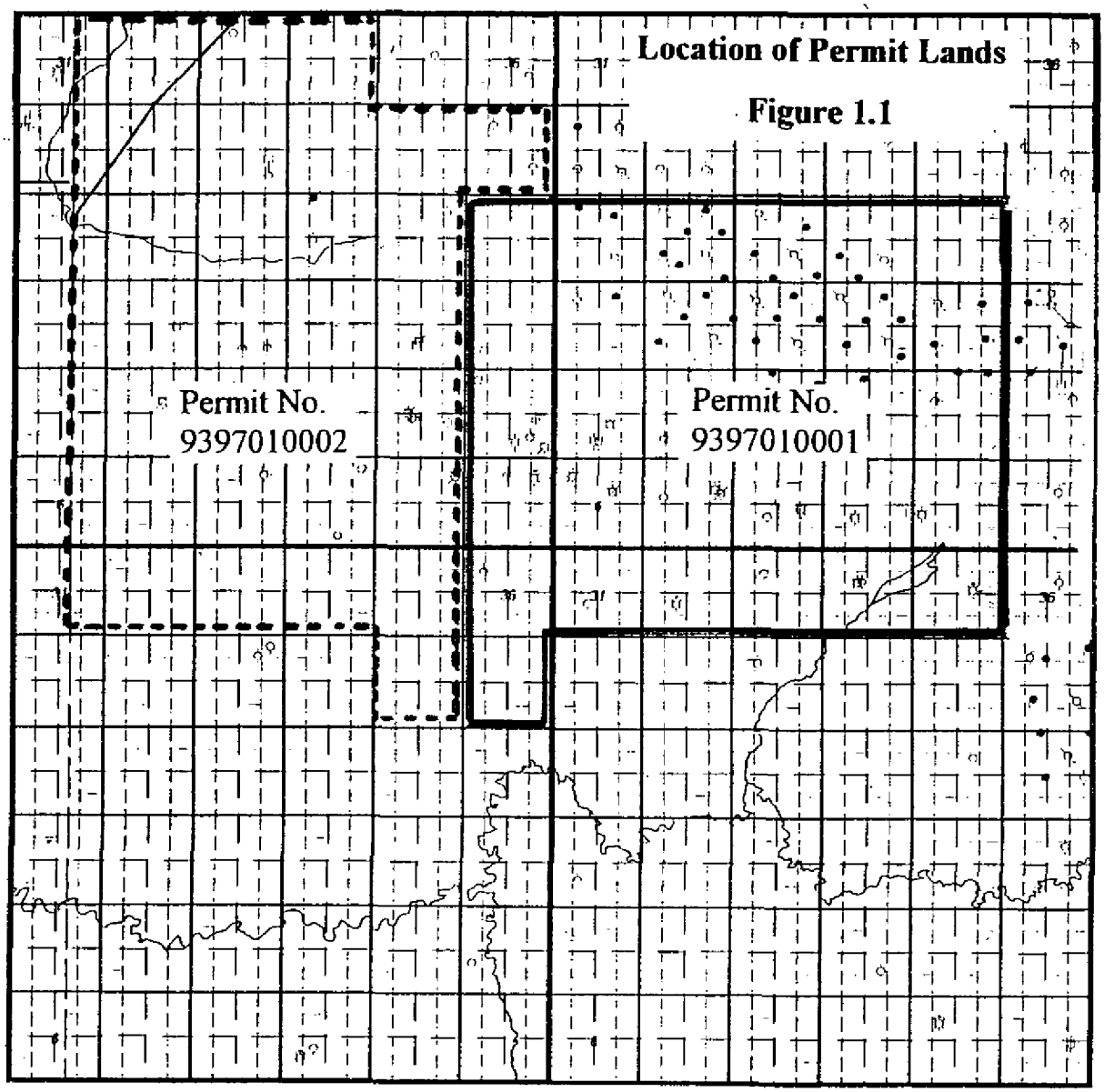
713803 Alberta Ltd. was incorporated in 1996 for the purpose of pursuing exploration and development of potential precious metal bearing properties in northwestern Alberta including the properties that are the subject of this report held under metallic and industrial minerals permit #9397010002 and #9397010001 in the name of Alan David Lewis, a shareholder of 713803 Alberta Ltd. (see figure 1.1 showing mineral permit location).

Previous Mineral Assessment Reports have been filed on May 14, 1999, May17, 2001 and May 12, 2003. This report describes the further work conducted in the period from May 2003 to April 2005 which has consisted almost entirely of continuing lab analysis by Alan Lewis in his home based facilities supported by external commercial lab analysis.

Some of the analytical work performed by Mr Lewis in the current reporting period has been based on suggestions and input received from Mr. Norm Smalley, a 713803 Alberta Ltd. shareholder who is also a well experienced independent assay analyst.

Contact has been maintained with Birch Mountain Resources Ltd. to determine if there was interest in pursuing any exploration/analysis work on the subject permit lands or sample ores

These various activities will be described in more detail in the following sections of the Report.



713803 Alberta Ltd.

Location of Alan D. Lewis Permits

Permit No. 9397010001

Permit No. 9397010002

Licensed to : Geo-Energy Ventures Ltd.

SCOUT	By :	Date : 1999/06/02
	Scale =1:125000	Project : untitled

2. Lab Scale Mineral Content Analysis

Lab scale analyses were conducted by:

- Al Lewis (51 tests in total) at his home lab
- Loring Laboratories Ltd.
- SGS Lakefield Research Limited

Each of these series of tests will be described below.

2.1 Al Lewis

A chronological summary of all tests conducted by Al Lewis from April 25th of 2001 to March 26th, 2003 is included as attachment 2.1. Columns 1 and 2 show the date when the test commenced and the test # respectively.

Column 3 shows the type and source of ore tested and the size of the sample used in the test in terms of the number of assay tons.

Column 4 describes the pre treatment and/or leaching agent used to extract precious metals.

Column 5 provides the results obtained. Where the bead obtained has been tested for precious metal content by an external laboratory the results obtained from the external laboratory are referenced In those instances where no external analysis has been done the value stated is that measured by Al Lewis. Unless otherwise noted the value stated will be the milligram weight of the bead obtained.

As compared to the earlier reports, fewer tests have been performed by Mr. Lewis, but more of the Lewis assay beads were forwarded to external labs for measurement of precious metal content in the beads. As was reported in the 1999, 2001 and 2003 mineral assessment reports, consistency and repeatability of results continues to be a problem.

However, the fact that we continue in a few tests to find significant values of precious metal are (as confirmed by the Loring tests) provides a basis for continuing efforts to prove the existence of commercially significant levels of precious metals and to ultimately develop a repeatable and commercially viable extraction process.

Column (6) records the hours of labor required by Mr. Lewis to conduct the tests

2.2 Commercial Laboratories

2.2.1 Loring Laboratories

All the tests conducted by Loring were to analyze the precious metal content of beads obtained from tests conducted by Al Lewis. Twenty-one Loring test reports are included in chronological order as attachment 2.2. An examination of these test results shows that almost all the Loring tests showed measurable precious metal content. However, there significant variability in precious metal content ranging from some tests where precious metal content was below the detection limits of the tests (e.g #826 and #827) to others where the measured precious metal content was significant (e.g # 808 and #810) and represented values within possible commercial feasibility. The majority of the tests produced measurable content but below commercial viability

2.2.2 SGS Lakefield Research Limited

In June of 2003, Mr. Lewis met with analysts at Lakefield to discuss our project and have Lakefield perform assays on four samples of raw ore as well as on the material obtained from two Lewis tests (#772 and #774).

The results obtained by Lakefield are included as Attachment 2.2. Lakefield did not find any significant quantity of precious metals in the raw samples (nos. 1,2,3 and 6 in the Lakefield Report) nor did they find any significant quantity of precious metals in the bead obtained by Lewis in Lewis Test No. 774. The results for Lewis test No. 772 did show measurable quantities

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These various activities will be described in more detail in the following sections of the Report.

ATTACHMENT 2.1

TEST PROCEDURES & VALUES

(1) DATE	(2) TEST	(3) ORE	(4) PROCESS	(5) VALUE	(6) HOURS
Apr. 19-21/03	#766	Roger 3 A.T.	HN03, HCL Zinc precip.	.24 mg.	26 hrs.
May 1/03	#767	Roger 1 A.T.	HN03, HNOCL	0	16 hrs.
May 5-7/03	#768	Roger 5 A.T.	Chloride Zinc precip.	0.532 mg. not parted	15 hrs.
May 13/03	#769	20% from #768	Roasted dish broke	0	12 hrs.
May 14/03	#770	20% from #768	Sodium Nitrite NaHO4	.22 mg Au.	10 hrs.
May 15/03	#771	20% from #768	Bicarbonate Sodium Nitrite	.10 mg.	12 hrs.
May 18/03	#772	Roger 5 A.T.	Chloride	Lakefield	11 hrs.
May 26-27/03	#773	Roger 5 A.T.	Chloride	trace	14 hrs.
Jun. 2-3/03	#774	Roger 5 A.T.	Chloride	Lakefield	15 hrs.
Jun. 14-15/03	#775	Roger 5 A.T.	NaBr, KI Pretreat H2SO4	.20 mg. Au.	18 hrs.
Jun. 24-25/03	#776	Roger 5 A.T.	Pretreat H2SO4 NaBr., KI	0.21 mg	23 hrs.
Jul. 7-8/03	#777	Roger 5 A.T.	Pretreat Na OH NaBr.KI	3.63 mg not parted	10 hrs.
Jul. 23-25/03	#778	Roger 5 A.T.	NaBr	$15.60 per ton	33 hrs.
Jul. 31, Aug. 7-9/03	#779	Roger 5 A.T.	Chloride	Lost	29 hrs.
Aug. 14-15/03	#780	Roger 20 A.T.	Chloride	$12.00 per ton	22 hrs.
Sept. 8-10/03	#781	Roger 5 A.T.	Chloride	$27.00 per ton	31 hrs.
Oct. 2/03	#782	Conglomerate 5 AT	HNO3 HCL	$7.50 per ton	13 hrs.
Oct. 7/03	#783	Plant 5 A.T.	Aqua Regia	$3.75 per ton	11 hrs.

(1) DATE	(2) TEST	(3) ORE	(4) PROCESS	(5) VALUE	(6) HOURS
Oct. 18/03	#784	Plant 5 AT	Aqua Regia	trace	11 hrs.
Oct. 21-22/03	#785	Reg 5 A.T.	NaBr, KI	$4.50/ton	16 hrs.
Nov. 4-5/03	#786	Chin. 5 A.T.	NaBr, KI	$23.00 per ton	21 hrs.
Dec. 8-11/03	#788	Roger 5 A.T.	NaBr, KI	Loring #46193	36 hrs.
Dec. 20-21/03	#789	Roger 5 A.T.	Chloride	Loring #46257	22 hrs.
Note: Nos. 790 to 801 not used					
Feb. 11/04	#802	Roger 5 A.T.	NaBr, KI)	#46385	12 hrs.
Feb. 12-13/04	#803	Roger 5 A.T.	) NaBr, KI)	Loring	17 hrs.
Mar. 9-10/04	#804	Far West 5 A.T.	NaBr	Loring #46428	18 hrs.
Mar. 18-19/04	#805	6-26, 5 A.T.	NaBr	Loring #46466	18 hrs.
Mar. 30, Apr. 1/04	#807	Cong. 5 A.T.	NaBr	Loring #46436	21 hrs.
Apr. 17-29/04	#809	Cong. 5 A.T.	Aqua Regia	Loring #46548	26 hrs.
May 5-7/04	#808	6-26 Plant	Aqua Regia	Loring #46549	27 hrs.
May 7-10/04	#810	Far West 5 A.T.	Aqua Regia	Loring #46618	31 hrs.
May 27-30/04	#811	Ron. 5 A.T.	Aqua Regia	Loring #46672	42 hrs.
Jun. 14-18/04	#812	Chin. 5 A.T.	Aqua Regia	Loring #46745	36 hrs.
Jun. 24-27/04	#813	Cong. 5 A.T.	Aqua Regia	Loring #46745	32 hrs.
Jun. 24-27/04	#814	Sand under Cong. 5 A.T.	Aqua Regia	Loring #46745	30 hrs.
Jul. 6-10/04	#815	Conglomerate 5 A.T.	Aqua Regia	Loring #46774	46 hrs.
Jul. 24-27/04	#816	Far West 5 A.T.	NaBr	Loring #46803	36 hrs.

(1) DATE	(2) TEST	(3) ORE	(4) PROCESS	(5) VALUE	(6) HOURS
Aug. 3-6/04	#817	Reg 5 A.T.	NaBr	Loring #46881	36 hrs.
Aug. 12-15/04	#818	6-26	Aqua Regia	Loring #46881	36 hrs.
Aug. 18-19/04	#819	Worsley 5 A.T.	Aqua Regia	Loring #46881	32 hrs.
Aug. 30-31/04	#820	6-26, 5 A.T.	NaBr	Loring #47013	21 hrs.
Sept. 19-21/04	#821	6-26, 5 A.T.	Aqua Regia	Loring #47013	36 hrs.
Oct. 12-13/04	#822	Reg 5 A.T.	NaBr	Loring #47175	20 hrs.
Dec. 2/04	#823	Reg 4 A.T.	NaBr	Loring #47253	13 hrs.
Dec. 12-13/04	#824	Reg 3 A.T.	NaBr	Loring #47253	21 hrs.
Jan. 10/05	#825	Reg 3 A.T.	NaBr KI	Loring #47253-1	17 hrs.
Jan. 19-20/05	#826	Far West 3 A.T.	Chloride	Loring #47350	26 hrs.
Jan. 27-30/05	#827	Far West 3 A.T.	Aqua Regia	Loring #47350	24 hrs.
Feb. 10-11/05	#828	Far West 2 A.T.	Aqua Regia	Loring #47421	21 hrs.
Mar. 1-4/05	#829	Far West 4 A.T.	Aqua Regia	$12.50/ton	33 hrs.
Mar. 24-25/05	#830	Ron 5 A.T.	Aqua Regia	.53 mg. Au	28 hrs.

ATTACHMENT 2.2

Loring Laboratories Ltd.

629 Beaverdam Road N.E.
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R 1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46193

DATE:December 18, 2003

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	3.50	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and anaryzed by ICP.

#788

Certified by: [redacted]

3

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Porroka, Alberta
T4J 1R1

FILE:46257

DATE:January 16, 2004

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	1.60	<0.01	<0.01	<0.01

#789

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

4

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46385

DATE:March 8, 2004

PGM ANALYSIS

Sample No.		Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	H802	6.85	1.00	1.50	<0.01
Lewis #3	H803	19.46	2.62	1.77	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

Loring Laboratories Ltd.

829 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46428

DATE:March 22, 2004

PGM ANALYSIS

Sample No.	Au ug	Pt ug	Pd ug	Rh ug
Lewis #1	18.85	<0.01	<0.01	<0.01
Lewis #2	27.20	<0.01	<0.01	<0.01
Lewis #3	19.45	<0.01	<0.01	<0.01

Beads dissolved in aqua regia and analyzed by ICP.

Certified by: [redacted]

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46486

DATE:April 2, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Bead #1	0.047	3.03	2.16	<0.01
Bead #2	0.034	<0.01	<0.01	<0.01
Bead #3	0.018	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

$11.00 per ton
@ $560 Cad. per oz

Certified by: [redacted]

#805

To : MR. ALAN LEWIS
R.R. # 1, Site 13, Box 18
Ponoka, Alberta
T4J 1R1

File No : ~~46476~~
Date : April 12, 2004
Samples : Beads
Project :
P.O.#

Certificate of Assay
Loring Laboratories Ltd.

629 Beaverdam Road, NE Calgary Alberta T2K 4W7
Tel: (403)274-2777 Fax: (403)275-0541

Sample No.	Au mg	Pd ug	Pt ug	Rh ug
Bead # 1	0.032	< 0.10	< 0.10	< 0.10
Bead # 2	0.010	< 0.10	< 0.10	< 0.10
Bead # 3	0.093	< 0.10	< 0.10	< 0.10

#807

NOTE: Due to high silver content of beads, samples had to be diluted to a higher volume to be analyzed. Therefore detection limits for Pt, Pd and Rh are higher.

I HEREBY CERTIFY that the above results are those assays made by me upon the herein described samples :

[redacted]

Rejects and pulps are retained for one month unless specific arrangements are made in advance.

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46549

DATE:April 25, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.055	<0.05	<0.05	<0.01
Lewis #2	0.380	<0.10	<0.10	<0.10
Lewis #3	2.090	<0.20	<0.20	<0.20
Lewis #4	<0.001	<0.01	<0.01	<0.01

Samples #2+#3 had to be diluted 10 fold to obtain gold concentrations. As a result, PGM detection limits have been compromised.

Beads dissolved in aquaregia and analyzed by ICP.

Lot #3088

Certified by: [redacted]

9

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel 274-2777 Fax 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE.46548

DATE:May 5, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Beads #1+2	0.010	0.95	1.36	<0.01
Beads #3	0.014	1.38	2.02	<0.01
Beads #4	0.006	0.35	<0.01	<0.01
Beads #5	0.002 / 0.032	<0.01	<0.01	<0.01

A 809

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

10

Loring Laboratories Ltd.
6220 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:45018

DATE:May 21, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Beads #1	0.019 – 0.019	2.24	<0.01	<0.01
Beads #2	0.813 – 0.815	2.97	0.27	<0.01
Beads #3	0.002 – 0.002	0.65	2.28	<0.01
	0.836			

#810

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

May 27/04 Au 540 Pd Cond. Cond. 1.36
540 X .836 = 451.44 ÷ 5 = 90.28 per ton

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46672

DATE:June 15, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Bead #1	0.008	0.45	<0.01	<0.01
Bead #2	0.007	0.30	0.25	<0.01
Bead #3	0.031	3.62	1.11	<0.01
Bead #4	0.003	0.56	0.40	<0.01
Bead #5	0.004	0.81	0.35	<0.01
Bead #6	0.033	5.70	1.04	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Test # 811

Certified by: [redacted]

Pd. # 193
June 30/04
Initial.
96.30

12

Loring Laboratories Ltd.
629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46745

DATE:July 9, 2004

PGM ANALYSIS

Sample No.		Au mg	Pt ug	Pd ug	Rh ug
Vial #1	#812	0.003	<0.01	<0.01	<0.01
Vial #2		0.014	2.66	1.26	<0.01
Vial #3		0.005 .022	0.15	1.02	<0.01
Vial #4	#813	0.022	10.82	2.28	<0.01
Vial #5		0.006	0.28	0.39	<0.01
Vial #6	#814	0.013	3.93	3.08	<0.01
Vial #7		0.005 .025	0.25	0.41	<0.01
Vial #8		0.006	0.56	<0.01	<0.01
Vial #9	"Ron"	0.029	3.42	1.92	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

13

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46774

DATE:July 22, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Vial #1	0.023	1.24	<0.01	<0.01
Vial #2	0.008	2.41	2.75	<0.01
Vial #3	0.008	13.04	5.53	<0.01
Vial #4	0.012	1.28	1.39	<0.01
Vial #5	0.005	<0.01	0.50	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

Test # 815
15.68 per ton

CK # 122
80.25.
aug 3/04

14

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46803

DATE:July 30, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Vial #1	0.034	1.45	<0.01	<0.01
Vial #2	0.027	<0.0.1	<0.01	<0.01
Vial #3	0.018	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

A 816

4815
ck # 122.
Aug 13/04

15

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary, Alberta T2K 0W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:46081

DATE:August 27, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
#1	0.006	<0.01	<0.01	<0.01
#2	0.006	<0.01	<0.01	<0.01
#3	0.003	<0.01	<0.01	<0.01
#4	0.003	<0.01	<0.01	<0.01
#5	0.012	<0.01	<0.01	<0.01
#6	0.003	<0.01	<0.01	<0.01
#7	0.033	0.04	0.02	<0.01
#8	0.007	<0.01	<0.01	<0.01
#9	0.005	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

16

Loring Laboratories Ltd.

829 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47013

DATE:October 6, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
#1A	0.002	1.50	1.34	<0.01
#2A	0.010	1.65	1.50	<0.01
#1	0.021	0.27	<0.01	<0.01
#2	0.006	<0.01	<0.01	<0.01
#3	0.002	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

17

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO: ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47175

DATE:Nov.30, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Bead #1	0.072	0.54	1.54	<0.01
Bead #2	0.608	0.35	0.53	<0.01
Bead #3	0.032	0.68	0.84	<0.01
	0.712			

Beads dissolved in aquaregia and analyzed by ICP.

#822

Certified by: _____

18

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47253

DATE:Dec.23, 2004

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.008	0.18	<0.01	<0.01
Lewis #2	0.002	0.34	<0.01	<0.01
Lewis #3	0.005	0.15	0.12	<0.01
Vial A	0.004	0.45	<0.01	<0.01
Vial B	0.008	0.96	1.99	<0.01

#824

823

Beads dissolved in aquaregia and analyzed by ICP.

Certified by: [redacted]

Rd. 11/05
Jan. 25

19

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47253-1

DATE:Jan. 13, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.003	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

#7825

Certified by: [redacted]

20

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47350

DATE:Feb. 1, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	0.001	<0.01	<0.01	<0.01
Lewis #2	<0.001	<0.01	<0.01	<0.01
Lewis #3	0.001	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

826

Certified by: [redacted]

21

Loring Laboratories Ltd.

629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Ponoka, Alberta
T4J 1R1

FILE:47350

DATE:Feb. 11, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh ug
Lewis #1	<0.001	<0.01	<0.01	<0.01
Lewis #2	<0.001	<0.01	<0.01	<0.01
Lewis #3	<0.001	<0.01	<0.01	<0.01

Beads dissolved in aquaregia and analyzed by ICP.

#827

Certified by: [redacted]

22

Loring Laboratories Ltd.
629 Beaverdam Road N.E.,
Calgary Alberta T2K 4W7
Tel: 274-2777 Fax: 275-0541

FILE:4742'

TO:ALAN LEWIS
R.R.1, Site 13, Box18
Poncka, Alberta
T4J 1R1

DATE:March 2, 2005

PGM ANALYSIS

Sample No.	Au mg	Pt ug	Pd ug	Rh g
Lewis #1	0.003	0.20	<0.01	<0.01
Lewis #2	0.005	0.50	<0.01	<0.01
Lewis #3	0.004	0.13	<0.01	<0.01
Lewis #4	0.004	0.23	<0.01	
Lewis #5	0.001 .017	0.18 1.24	<0.01	

Beads dissolved in aquaregia and analyzed by ICP.

9.09 0.74

#828

Certified by: [redacted]

ATTACHMENT 2.3

SGS Lakefield Research Limited
P.O. Box 4300 - 185 Concession St.
Lakefield - Ontario - K0L 2H0
Phone: 705-652-2038 FAX: 705-652-6441

Alan D. Lewis Assay & Prospecting
Attn : Alan Lewis

RR1, Site 13, Box 18
Ponoka, Alberta, T4J 1R1
Canada

Phone: 403-783-4567
Fax:403-783-6480

June 23, 2003

Date Rec. : 10 June 2003
LR Report : **CA9457-JUN03**
Project : 2301634
Client Ref : Au, Pt, Pd analysis - June 9, 2003

CERTIFICATE OF ANALYSIS

Lakefield Research Limited - Final Report

Sample ID	Au g/t	Pt g/t	Pd g/t	Au mg	Pt mg	Pd mg
1: Sandstone (fine ground)	< 0.02	< 0.02	< 0.02	---	---	---
2: Sandstone (semi-fine ground)	< 0.02	< 0.02	< 0.02	---	---	---
3: Conglomerate (fine ground)	< 0.02	< 0.02	< 0.02	---	---	---
Test 774 → A Lewis #1	---	---	---	< 0.0002	0.0007	< 0.0002
Test 772 → A Lewis #2	1.30	1.46	0.56	---	---	---
5-DUP: Sandstone (fine ground)	< 0.02	< 0.02	< 0.02	---	---	---

sample "A Lewis #1" was a head weighing 0.0601g.

[redacted]

Nicole Mazola, B.Sc. (Eng)
Project Coordinator
Mineral Services, Analytical

Accredited by the Standards Council of Canada and CAEAL for specific registered tests.
The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior written approval.

3.0 Computer Tabulation and Analysis of Test results

Dr. Walter Haessel, a shareholder and director of 713803 Alberta Ltd. has undertaken a tabulation and computer analysis of the Al Lewis test results to determine if any discernible patterns exist relative to location of sample sources, type of pretreatment/analysis used, etc. to correlate the relative quality of test results. This work is still in progress and is expected to be complete later this year.

4.0 Discussions with Other Companies

Contact has also been maintained with Birch Mountain Ltd. who are a public company that has been active for several years in pursuing Alberta gold and platinum prospects. . Birch Mountain Resources Ltd are currently concentrating their efforts on developing a limestone quarry to serve the aggregate and quicklime requirements of the Ft. McMurray oil sands industry. However, they have not abandoned their precious metals project and have encouraged us to maintain contact with a view to eventually establishing some form of cooperative effort.

5.0 Summary of Expenditures

The majority of the expenditures incurred by 713803 Alberta Ltd.in the period covered by this report (May 2003 to April 2005) are represented by contributed labor of Al Lewis. Small amounts of contributed labor were provided by Dr.Walter Haessel and Robert Liddle.

The value of contributed labor plus other expenditures are summarized below:

5.1 Contributed Labor

(a) Alan Lewis

(i) Travel June 8-11/03 from Ponoka to Lakefield, Ontario to observe SGS Lakefield Research Limited procedures of assaying samples and to leave samples with them for assay
4 days [redacted] [redacted]

(ii) Travel December 3 – 6, 2003 from Ponoka to Langley, B.C. to meet with Mr. Norm Smalley re assay and extraction processes, etc.

4 days [redacted] [redacted]

(iii) Lab Analysis and testing in home lab over the period April 2003 to March 2005

[redacted] [redacted]

Sub Total [redacted]

(b) Dr. Walter Haessel

Tabulation and computer analysis of Al Lewis test results

Walter Haessel [redacted]

Sub total [redacted]

5.2 Materials, Services and Travel Expenses

Al Lewis	[redacted]

5.3. Report Preparation

Al Lewis	[redacted]	[redacted]
Robert Liddle		
	Sub total	
	Grand Total Costs	**$70,796.00**

STATUTORY DECLARATION

CANADA	)	I, Robert T. Liddle,
PROVINCE OF ALBERTA	)	of the City of Calgary,
TO WIT:	)	in the Province of Alberta,

DO SOLEMNLY DECLARE THAT:

1. I am the President of 713803 Alberta Ltd. and as such have a personal knowledge of the matters hereinafter deposed to.

2. The expenditures totalling $70,796.00 as summarized on "Summary of Expenditures", attached hereto as Schedule "A", were all incurred for the purposes of exploration for and determination of mineral content on lands included in Metallic and Industrial Minerals Permit Numbers 9397010001 and 9397010002 held in the name of Alan D. Lewis.

AND I MAKE THIS SOLEMN DECLARATION CONSCIENTIOUSLY BELIEVING THE SAME TO BE TRUE, AND KNOWING IT IS OF THE SAME FORCE AND EFFECT AS IF MADE UNDER OATH.

DECLARED at the City of Calgary, in the Province of Alberta, this 4th day of May, 2005.

A Commissioner for Oaths in and for the Province of Alberta
My Commission expires

W. MURRAY SMITH
BARRISTER & SOLICITOR

[redacted]

ROBERT T. LIDDLE

Schedule A

5.0 Summary of Expenditures

The majority of the expenditures incurred by 713803 Alberta Ltd.in the period covered by this report (May 2003 to April 2005) are represented by contributed labor of Al Lewis. Small amounts of contributed labor were provided by Dr.Walter Haessel and Robert Liddle.

The value of contributed labor plus other expenditures are summarized below:

5.1 Contributed Labor

(a) Alan Lewis

(i) Travel June 8-11/03 from Ponoka to Lakefield, Ontario to observe SGS Lakefield Research Limited procedures of assaying samples and to leave samples with them for assay
4 days [redacted] [redacted]

(ii) Travel December 3 – 6, 2003 from Ponoka to Langley, B.C. to meet with Mr. Norm Smalley re assay and extraction processes, etc.

4 days [redacted] [redacted]

(iii) Lab Analysis and testing in home lab over the period April 2003 to March 2005

[redacted] [redacted]

Sub Total [redacted]

(b) Dr. Walter Haessel

Tabulation and computer analysis of Al Lewis test results [redacted]

Walter Haessel [redacted] [redacted]

Sub total

5.2 Materials, Services and Travel Expenses

Al Lewis		[redacted] ?

5.3. Report Preparation

Al Lewis	[redacted]	[redacted]
Robert Liddle		
	Sub total	
	Grand Total Costs	**$70,796.00**