# GEOCHEMICAL, GEOLOGICAL AND GEOPHYSICAL

# ASSESSMENT REPORT

on the

# ALBERT RIVER PROPERTY

**Golden Mining Division**

for

**Dia Met Minerals Ltd.**
**and**
**Goldtex Resources Ltd.**

by

**Discovery Consultants**
**Box 933**
**Vernon, B.C. V1T 6M8**



| | |
|---|---|
| NTS: | 82J/12E |
| Latitude: | 50° 34' to 50° 41' |
| Longitude: | 115° 34' to 115° 37' |
| Owner: | Dia Met Minerals Ltd. |
| Operator: | Dia Met Minerals Ltd. |
| Authors: | W.R. Gilmour, P.Geo. |
| | K.L. Daughtry, P.Eng. |
| Date: | February 5, 1996 |

## SUMMARY

In 1995 the Albert River property was explored for tungsten-gold-base metal skarn mineralization. Exploration by a Dia Met Minerals Ltd. and Goldtex Resources Ltd. joint venture comprised mapping and prospecting at 1:5,000 and 1:2,500 scales, collection and analysis of 686 soil or talus fines samples and 120 rock samples, 14 line-kilometres of magnetometer surveys, 7 line-kilometres of VLF-electromagnetic surveys, 2.3 line-kilometres of gravity and 1.7 line-kilometres of reflection seismic.

Work was halted in October 1995 due to the onset of winter conditions.

Geochemistry and prospecting have proved useful in discovering and delineating tungsten, gold and base metal anomalies and mineralization.

Although no skarn mineralization has been discovered, tungsten-bearing veins, anomalous in gold and other metals, indicate a potential for skarn mineralization near a postulated igneous stock at depth. Other indications of igneous activity include localized high-grade metamorphism (contact metamorphism?) and aphanitic dykes.

However, the geophysical surveys (magnetic, VLF-electromagnetic, gravity and hammer reflection seismic) have not indicated an intrusion or skarn drill target at depth.

It is recommended that exploration for tungsten skarn mineralization continues, although no drill targets have yet been defined.

## TABLE OF CONTENTS

# TABLES

# LIST OF ILLUSTRATIONS

# APPENDICES



# ADDENDUM

# INTRODUCTION

This report on the Albert River Property has been prepared at the request of Mr. J. Eccott of Dia Met Minerals Ltd., owner of the property.

The property is located east of the Radium Hot Springs and Invermere area of southeast British Columbia.

Mineral exploration on the property is subject to a joint venture agreement between Dia Met Minerals Ltd. and Goldtex Resources Ltd. Goldtex can earn a 49% interest by spending $1,000,000 over a two-year period.

The operator of the exploration program is Dia Met. Discovery Consultants has been contracted to carry out the exploration by Norm's Manufacturing & Geosciences Ltd., which is managing the program for Dia Met.

This report summarizes exploration work before 1994 and presents the results of a 1995 program. The goal of the 1995 geochemical and geological exploration was to locate the source of stream sediment geochemical anomalies and to explore for tungsten skarn mineralization. The magnetic, electromagnetic, gravity and seismic surveys were carried to identify at depth postulated plutonic rocks, with possible associated skarn mineralization.

Exploration by a Dia Met Minerals Ltd. and Goldtex Resources Ltd. joint venture comprised mapping and prospecting at 1:5,000 and 1:2,500 scales, collection and analysis of 686 soil or talus fines samples and 120 rock samples, 14 line-kilometres of magnetometer surveys, 7 line-kilometres of VLF-electromagnetic surveys, 2.3 line-kilometres of gravity and 1.7 line-kilometres of reflection seismic.

The permitting process was started and permission for a planned preliminary drill program was obtained from government ministries. However, the exploration program was suspended in mid-October due to dangerous weather and snow conditions.

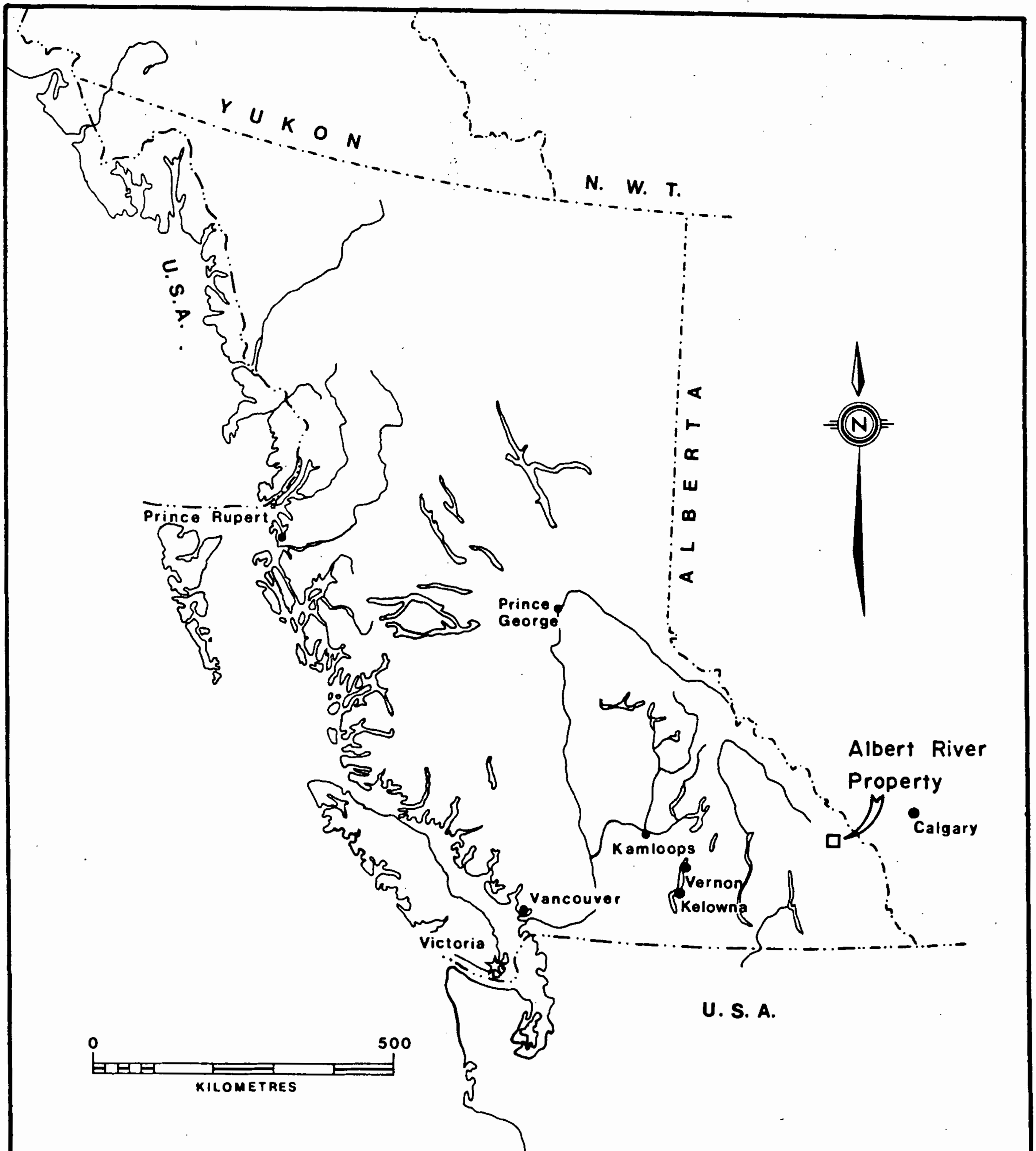
Geochemistry and prospecting have proved useful in discovering and delineating tungsten, gold and base metal anomalies and mineralization.

Although no skarn mineralization has been discovered, tungsten-bearing veins, anomalous in gold and other metals, indicate a potential for skarn mineralization near a postulated igneous stock at depth. However, the geophysical surveys have not indicated an intrusion or skarn drill target at depth.

## LOCATION, ACCESS, TOPOGRAPHY

The Albert River Property is in the Mitchell Range, part of the southern Park Ranges of the Rocky Mountains of southeastern British Columbia (Figure 1). The property is 115 km southwest of Calgary, 60 km south of Banff and 125 km north of Cranbrook. The nearest towns are Invermere and Radium Hot Springs on Highway 93/95, 30 km to the southwest and west respectively (Figure 2). The claims are between 2 and 6 kilometres east of Tangle Peak and lie in the western headwaters of the Albert River (Figure 3), in the NTS 82J/12E map sheet. The claim block ranges from 50°34′ to 50°41′ North Latitude and from 115°34′ to 115°37′ West Longitude.

Various parts of the property are accessible by distinctly different routes (Figure 2). The northern portion of the claim block is reached via a system of roads from a point on Highway 93, 21 km northeast of Radium Hot Springs. From this junction the route follows the Settlers-Palliser Road southerly along the Kootenay River for 14.8 km to the Cross River Road at Yearling Creek, thence easterly up the Cross River valley for approximately 24 km to Miller Pass. From Miller Pass, a rough 4 km road, only accessible by all terrain vehicles, provides access to the Rachel claim (Figure 3). A helicopter and ATV supported tent camp was used for exploration during July and August. Access in September and October was via Frontier Helicopters based in Invermere.




| DISCOVERY Consultants | GOLDTEX RESOURCES LTD.<br>DIA MET MINERALS LTD. |
|---|---|
| ALBERT RIVER PROPERTY | LOCATION MAP |

| DATE: DEC. 8/1995 | PROJECT: 563 | SCALE: As Shown | N.T.S.: 82-J/12E | M.D.: GOLDEN, B.C. | FIGURE: 1 |
|---|---|---|---|---|---|

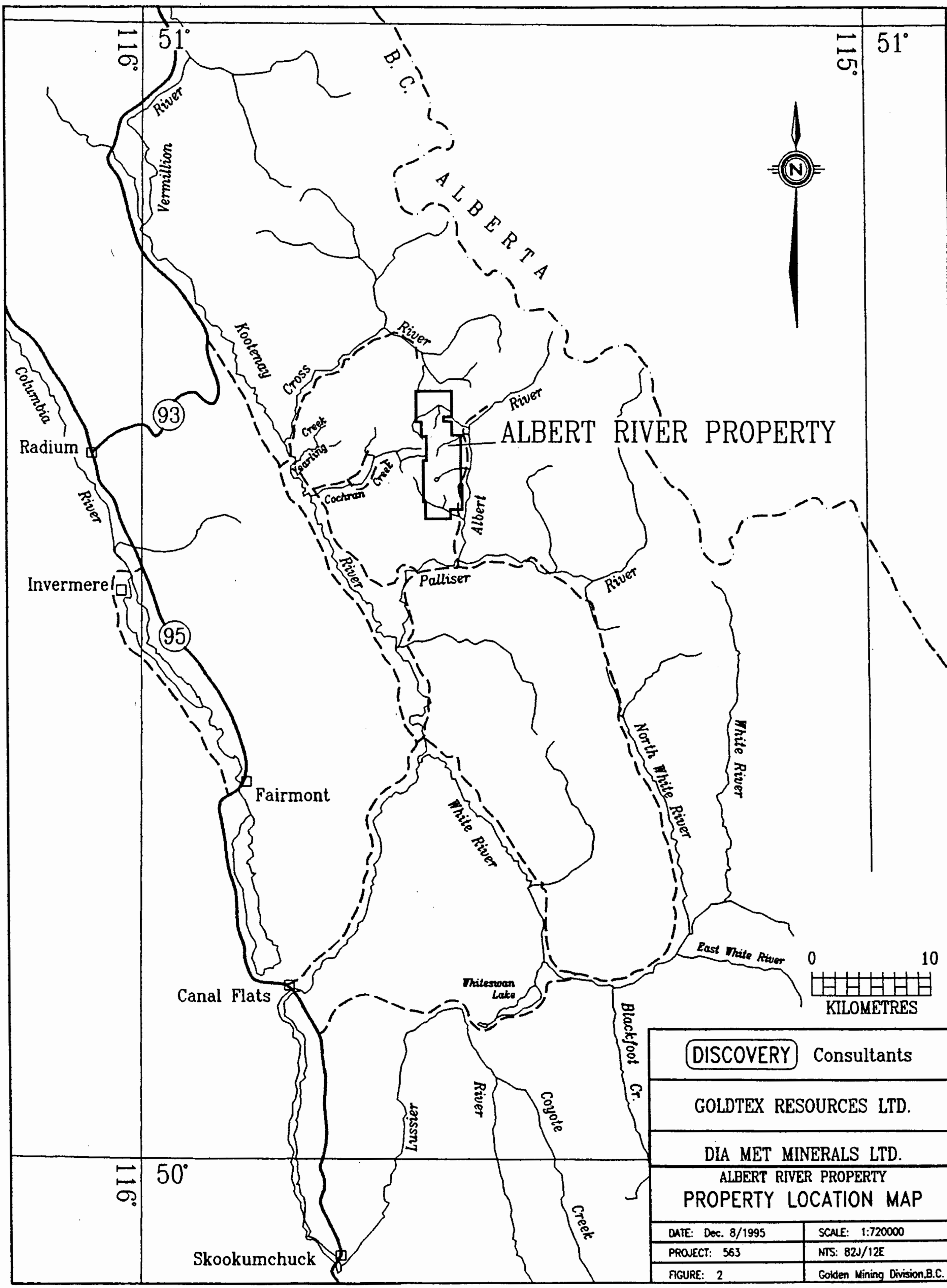
DWG - 540-001

In October a trailer camp was set up in the Albert River valley as a base for the proposed drill program. Access is from Highway 93, south along Settler's Road and Palliser River Road, crossing the Palliser River at 37.5 km and north up the Albert River valley at 41.7 km to the camp at 52.5 km.

Another road leads up Cochran Creek from the Kootenay River at a point about 5 km south of the Yearling Creek junction. This rough road can be followed for 11 km to a point about 2 km west of the Ash claim.

The topography in the area of the property is steep, rugged, mountainous terrain. Local relief in individual stream valleys may be up to 800 metres over a 1200 metre distance. Elevations range from 1200 m above sea level in the Albert River valley to 2700 m on the ridge in the southwestern part of the Barbi claim. The lower slopes are densely forested; alpine areas are predominant above 2100 m elevation.

The base maps in this report are after the 1988 TRIM maps.




DISCOVERY Consultants

GOLDTEX RESOURCES LTD.

DIA MET MINERALS LTD.

ALBERT RIVER PROPERTY
PROPERTY LOCATION MAP

| | |
|---|---|
| DATE: Dec. 8/1995 | SCALE: 1:720000 |
| PROJECT: 563 | NTS: 82J/12E |
| FIGURE: 2 | Golden Mining Division,B.C. |

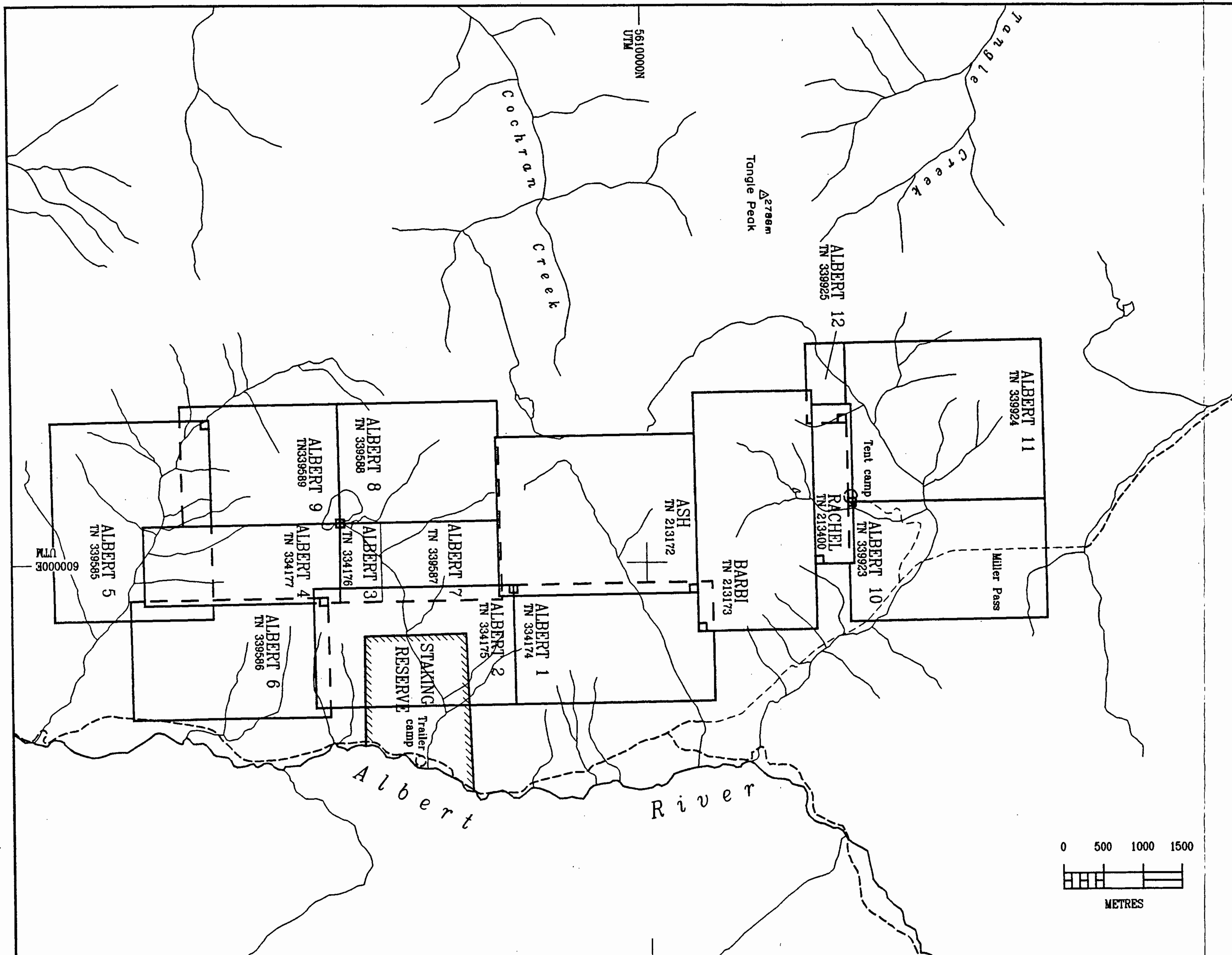
## PROPERTY

The Albert River property comprises the following mineral claims in the Golden Mining Division, British Columbia (Figure 3).

| Claim Name | Tenure No. | No. of Units | Owner of Record | Expiry Date |
|---|---|---|---|---|
| ASH | 213172 | 20 | Dia Met Minerals Ltd. | July 11/98 |
| BARBI | 213173 | 18 | Dia Met Minerals Ltd. | July 11/98 |
| RACHEL | 213400 | 4 | Dia Met Minerals Ltd. | July 10/98 |
| ALBERT 1 | 334174 | 15 | N. Pedafronimos | March 2/96 |
| ALBERT 2 | 334175 | 15 | N. Pedafronimos | March 2/96 |
| ALBERT 3 | 334176 | 2 | N. Pedafronimos | March 2/96 |
| ALBERT 4 | 334177 | 10 | N. Pedafronimos | March 2/96 |
| ALBERT 5 | 339585 | 20 | Dia Met Minerals Ltd. | August 21/96 |
| ALBERT 6 | 339586 | 15 | Dia Met Minerals Ltd. | August 20/96 |
| ALBERT 7 | 339587 | 8 | Dia Met Minerals Ltd. | August 21/96 |
| ALBERT 8 | 339588 | 12 | Dia Met Minerals Ltd. | August 21/96 |
| ALBERT 9 | 339589 | 12 | Dia Met Minerals Ltd. | August 21/96 |
| ALBERT 10 | 339923 | 15 | Dia Met Minerals Ltd. | Sept 17/96 |
| ALBERT 11 | 339924 | 20 | Dia Met Minerals Ltd. | Sept 17/96 |
| ALBERT 12 | 339925 | 2 | Dia Met Minerals Ltd. | Sept 17/96 |
| Total | | 188 | | |

All of the claims are subject to an agreement between Dia Met Minerals Ltd. and Goldtex Resources Ltd.

It is recommended that the ALBERT 3 claim be included in ALBERT 7. To do so requires that both claims be registered in the same name.




DISCOVERY Consultants

DIA MET MINERALS LTD.

GOLDTEX RESOURCES LTD.

ALBERT RIVER PROPERTY

# CLAIM LOCATION MAP

| | |
|---|---|
| DATE: DEC.8/1995 | SCALE: 1:50,000 |
| PROJECT: 563 | NTS:82J/12E |
| FIGURE: 3 | Golden Mining Division, B.C. |

## HISTORY

The earliest recorded mineral exploration activity in the Albert River-Cross River district is related to the discovery in the mid-1960's of a belt of important magnesite deposits in the Mount Brussilof area 5 to 20 km north of the Albert River property. The Baymag Mine is currently producing about 170,000 tonnes of magnesite ore per year. The Shag zinc-lead deposit, 4 km east of the Albert River property, has been investigated by several companies since 1978.

The Albert River prospects which are the subject of this report were discovered in 1980 as a result of a regional geochemical stream sampling project using heavy mineral sampling techniques. In July 1980 Dia Met Minerals Ltd. staked the original Albert River claims, consisting of 98 units.

From 1981 to 1987 the property was intermittently explored by geological mapping, prospecting, airborne and ground magnetometer surveys, and detailed heavy mineral stream sediment and talus sampling. The results of this work indicated the presence of a linear, 9000 metre zone of hydrothermal alteration and mineralization extending parallel to and lying 2 to 4 km west of the Albert River. The heavy mineral surveys returned highly anomalous values in tungsten and base metals over large areas, and anomalous gold and rare earth values in the northern portion of the claim block. Also, a large zone of quartz-carbonate veining was found to generally coincide with the geochemical anomalies, and scheelite-bearing float was discovered on the Ash claim.

From 1989 to 1994, exploration has been concentrated on the north end of the property in an attempt to discover a mineralized source for the high gold values in stream sediments. This work consisted of detailed heavy mineral sampling of stream sediments and talus, soil sampling, rock sampling and detailed geological mapping. Also, a radiometric survey was carried out to search for the source of the rare earth anomalies.

The 1995 exploration is described in this report.

# MINES ACT PERMITTING

Mines Act Approval Numbers (CBK95-0600272-002-M129 and CBK95-0600272-001-M97) and a Reclamation Permit (MX-5-330) were obtained from the Ministry of Energy, Mines and Petroleum Resources after Dia Met posted a $6,000 bond. All exploration that disturbs the ground by mechanized means or uses explosives must comply with the Mines Act and the Health, Safety and Reclamation Code for Mines.

Any significant cutting of trees will require permits and/or licences from the Ministry of Forests. Permission has been granted to cut "one or two" trees, less than 20 cm diameter, to allow for safe helicopter operations.

The applicable sections of the Forest Practices Act must also be complied with.

## REGIONAL GEOLOGY and METALLOGENY

The sedimentary rocks which underlie the area of the Albert River property were deposited along a passive margin of ancestral North America during Middle and Upper Cambrian time. Rifting in the Late Proterozoic resulted in the development of a marine basin west of the continental margin. Miogeoclinal carbonate and clastic rocks were deposited in a belt along the rim on the east side of the basin, while argillaceous rocks with minor carbonates were deposited to the west in the basin. The property is on the basinal edge of the thick carbonate belt. Elsewhere in the eastern Cordillera major zinc-lead deposits occur along this basinward transition from carbonate to argillaceous rocks.

Since the initiation of rifting in the Proterozoic, repeated episodes of tectonic extension have been accompanied by igneous intrusive and volcanic activity. No major intrusive bodies are exposed in the Albert River area, but the presence of near surface buried intrusions has been postulated by some workers (see below under PROPERTY GEOLOGY). Along the Yukon-Northwest Territories border, major tungsten deposits are associated with Mesozoic granitic plutons which intrude Cambrian and younger sedimentary rocks along the Paleozoic continental margin. These deposits occur in Cambrian and younger rocks at the transition between shelf carbonates and basinal argillaceous rocks.

Norris (1987) assigned the rocks of the Albert River area to the Middle and Upper Cambrian Chancellor Formation, a basinal succession of predominantly grey shale and argillaceous limestone. In general, the limestone content within the succession decreases upwards and to the west. In the area of the property, the Chancellor Formation is folded along north-northwesterly trending axes. The folded strata are offset by north-northwesterly trending, southwest dipping thrust faults, one of which, the Albert Fault, passes through the claim block.

Important deposits of magnesite, formed by the hydrothermal replacement of dolomite, occur in carbonate facies rocks to the north of the property. Immediately east of the claim block, the similar rocks host replacement deposits of zinc and lead.

## PROPERTY GEOLOGY

This section on the geology of the Albert River property is based upon reports by previous workers, most notably S.L. Blusson, C.E. Fipke, D.K. Norris, T.H. Carpenter and M.E. McCallum, and by mapping and prospecting carried out by D. Duba from July to September, 1995.

Norris has subdivided the Chancellor Formation in the area of the property into three lithostratigraphic units (Table 1, Figure 4). The oldest is the Middle Cambrian Lower Member (Cchl) comprising interbedded argillaceous limestone and calcareous slate. The next youngest unit is the overlying Middle Member of Middle Cambrian age (Cchm), consisting of interbedded calcareous slate (locally phyllite) and argillaceous limestone. The youngest unit is the Upper Cambrian Upper Member (Cchu) made up of slate, calcareous slate and locally phyllite.

The only igneous rocks known to occur on the property are aphanitic dykes/sills, varying in thickness from 1 to 20 metres, which intrude the Middle Member in the southern part of the Ash claim. Whole rock geochemistry (Table 5) and thin section analysis (Appendix H) indicate that these rocks have been subject to significant carbonate alteration.

Whole rock geochemistry indicates that the rock may be an altered rock of syenitic composition. However, petrographic studies only reveal a carbonatized rock of possible igneous origin. The portion of the petrographically examined rock can not be equated with the whole rock geochemistry. It appears that

## TABLE 1

## LITHOLOGIC UNITS

**POST-MIDDLE CAMBRIAN**

aphanitic dykes

**CHANCELLOR FORMATION**

**UPPER CAMBRIAN**

| | | |
|---|---|---|
| Cchu | **Upper Member:** | non-calcareous to weakly calcareous grey shale and slate, local sericitic pelitic phyllite |

**MIDDLE CAMBRIAN**

| | | |
|---|---|---|
| Cchm | **Middle Member:** | interbedded light and dark grey, thin and medium bedded argillaceous limestone, calcareous slate and phyllite, and cream-coloured thick bedded to massive limestone; local calcareous argillite containing limestone nodules; cut by quartz-carbonate veins |
| Cchl | **Lower Member:** | interbedded argillaceous limestone and calcareous slate |

the rock is very hetrogeneous, especially on the scale of thin section examination.

The possible presence of one or more buried plutons has been postulated by several previous workers (Blusson 1982, Nielsen 1985, Fipke 1985, Fipke and Suggitt 1987, Norris 1987). Indirect evidence supporting this hypothesis included the occurrence of "spotted hornfels" on the south shore of a tarn on the Albert 4 and 9 claims, the detection of calc-silicate minerals in heavy mineral concentrates in stream sediments (C. Fipke, personal communication), and geophysical data which indicated possible intrusive rocks. Although recent geophysical work is inconclusive as to the presence of a buried intrusion, the presence of tungsten and other elements in calcite veins indicates an igneous source (see GEOCHEMISTRY).

The age of such intrusive activity may be constrained by the relative ages of fold cleavage and movement on the Albert Fault. Norris postulates that intrusive rocks were emplaced subsequent to folding but before faulting.

The structural geology of the property is dominated by folding and thrust faulting. McCallum (1994) describes the structural geology of part of the property as follows: "The northwest portion of the Barbi claim block is characterized by a highly deformed sequence of Middle Cambrian Chancellor Formation pelitic and carbonate rocks. The rocks are folded into a northwest trending anticlinorium that is truncated on its northeast flank by the southwest dipping Albert Fault (Norris 1987). Immediately beneath the Albert Fault is a sequence of somewhat less deformed slaty shale and phyllite (variably calcareous) of the upper part of the Chancellor Formation. The anticlinorium under the northwest corner of the Barbi claim appears to be comprised of three major folds: two overturned anticlines separated by an overturned syncline. All three of these structures are characterized by complex internal folds, and this is most readily observed in the northwestern-most anticline which is defined by the more carbonate rich lower units of the middle part of the Chancellor Formation. The folds appear to be predominantly cylindrical, but more pelitic portions of the sequence exhibit a prominent shear-slip to flow component. Pelitic beds typically contain well developed axial plane cleavage, and intercalated thin beds of limestone or calcareous shale tend to be sheared out into lenses and boudin rich zones. Axial plan cleavage parallels the regional strike, and dips range from about 30° southwest to vertical (average about 50° to 65° southwest). Fracture cleavage is present locally along the flanks of folds and commonly is characterized by the presence of quartz-carbonate veins exhibiting pronounced en echelon patterns. Veins are also prominent along axial plane cleavage, especially in the core of the northwestern-most anticline in the Barbi claim."

Mapping and rock sampling in 1995 has identified a 20-metre wide zone of quartz and calcite-quartz veining, anomalous in mercury and gold. This zone, cutting across a ridge at about line 3250N, may be the Albert Fault, which had been placed about

100 m to the east by Norris in regional mapping.

Movement on the Albert Fault has resulted in the presence of two juxtaposed structural domains, each characterized by different metamorphic and geochemical characteristics. West of the fault quartz-carbonate veins commonly occupy cleavages, and scheelite-fluorite calcite veins and copper-bearing quartz veins occur.

Two types of metamorphism have altered rocks in the Albert River area. The predominant type is widespread low-grade regional metamorphism which has altered some of the argillaceous units to slate or phyllite, characteristic of the Chancellor Formation in the region. The second type is localized, higher grade and possibly contact metamorphism. The rock previously mapped (near a tarn on the Albert 9 claim) as "spotted hornfels" has been examined in thin section (Payne, 1995). Porphyroblasts of either cordierite or plagioclase original composition indicate, respectively, either upper greenschist to lower amphibolite facies contact metamorphism or regional metamorphism. The rocks have been subjected to middle to lower greenschist facies retrograde metamorphism. The porphyroblasts appear to have a local stratigraphic control, possibly indicative of a difference in the original rock composition and possibly supporting a contact metamorphic origin.

## MINERALIZATION

To date, no significant economic mineralization has been discovered on the Albert River property. However, tungsten mineralization has been found in outcrop and detailed geochemical soil/talus fines surveys indicate the presence of other outcropping or subcropping tungsten mineralization. Anomalous gold values are associated with both tungsten vein mineralization and with a fault zone.

Three distinct types of veining have been found to date; scheelite-fluorite-calcite veins, copper-bearing quartz veins and generally barren quartz-carbonate veins.

A 70-metre wide, 400 m long dispersion train of scheelite-fluorite calcite vein angular float, centred on about line 2975N, was discovered in the talus slopes on the west portion of the Barbi claim. The scheelite and fluorite generally occur as seams and concentrations within coarse calcite. The angular float was traced up into the cliffs by an experienced mountain climber to outcrop at about 2520 m elevation (Figure 8). There appear to be one or more lens-like conformable veins with widths of at least 1 metre and lengths of up to tens of metres. The veins contain angular fragments of pelitic country rock. Minor scheelite vein mineralization was also noted in outcrop 300 metres to the northeast. Samples of vein float or outcrop with visible scheelite averaged 3% tungsten (W), 0.9% fluorine, 0.7% barium, 2000 ppb mercury and 80 ppb gold (Table 4).

Copper-bearing (chalcopyrite, malachite) quartz vein float occurs in the talus slopes north of the scheelite-bearing float. These veins are commonly about 5 cm wide. Three selected samples averaged 1600 ppm copper (Table 4).

McCallum describes the quartz-carbonate veins as follows: "Quartz-carbonate veins occur throughout the stratigraphic sequence evaluated in the mapped area (middle part of the Chancellor Formation), but increase in frequency down section. The veins range from a few millimetres to in excess of a metre in width, and some extend many hundreds of metres along strike. Veins typically are complex, exhibiting pinching and swelling, splaying, parallel to subparallel sets, sheared repetitions, and locally, crosscutting sets. Quartz is predominant in most veins, but coarsely crystalline, commonly somewhat ferroan calcite comprises a significant proportion of some veins, and rarely may exceed quartz. Some veins exhibit a composite relationship with carbonate margins and quartz cores or quartz partially sheathed in carbonate. Most veins, however, consist of quartz with irregularly intergrown calcite, and some veins consist only of quartz. The majority of the veins parallel axial plane cleavage surfaces that are extremely abundant in the area, but some thinner veins parallel bedding, and a few crosscut both bedding and axial plane cleavage. Some veins occupy fracture cleavage along the flanks of large folds and exhibit a very pronounced en echelon distribution. A few veins are characterized by chlorite envelopes where host pelitic material has been strongly sheared.

Chlorite also occurs within quartz along shear planes and quartz may be locally sheared and(or) brecciated indicating post emplacement deformation. Some veins (especially those with chlorite) contain epidote, minor pyrite (commonly limonitized), and rare chalcopyrite ± galena ± sphalerite.

While the axial plane and fracture cleavage is developed throughout the Chancellor Formation rocks in the Albert River area, apparently the veins occur only in the Middle Member within the zone of anomalous stream sediments."

McCallum proposes that the majority, if not all, of the quartz-carbonate veins were formed by pressure solution, followed by deposition in dilatant zones of silica and carbonate during deformation. However, it seems likely that the tungsten veins, and perhaps the copper veins were derived from a postulated synkinematic igneous intrusion. The fluids from such a source could have migrated along the cleavage, bedding and fault planes.

Within the sedimentary sequence there are thin, discontinuous gossanous pelitic beds that contain elevated metal values.

Anomalous gold and mercury values are associated with a fault zone, likely the Albert Fault, between lines 3200 and 3300N.

# GEOCHEMISTRY

## Analytical Methods

The samples were analysed by both INAA (instrumental neutron activation analysis) and aqua regia ($HCl-HNO_3$)/ICP (inductively coupled plasma emission spectrometry) techniques.

Tables 8 and 9 (Appendix F) list the elements analysed by the various methods.

The INAA method measures the total content of an element in a sample while the ICP method only measures the quantity which has been extracted from the rock by the aqua regia leach. Certain minerals, such as scheelite and barite, are resistant to normal digestion and are best tested for by INAA.

Some separately collected soil samples were analysed for mercury vapour content.

## Soil/Talus Fines Survey

A geochemical survey was carried out in portions of two cirque-shaped drainages, each about 4 $km^2$ in area, to detect the source of tungsten, gold and base-metal anomalies in stream sediments.

Where possible, B-horizon soils were collected on a 100 m x 50 m grid. Above the tree line on talus slopes and in avalanche chutes, talus fines were collected where there was no development of B-horizon soils. A few of these talus samples contained insufficient fines and were treated as rock samples.

The samples were shipped to Bondar Clegg in North Vancouver.

The samples were dried and sieved to -80 mesh. A 0.5 g split was used for ICP analysis and a 10 g split for INAA.

Six areas of anomalous tungsten or gold were further evaluated by more detailed (25 m x 25 m) sampling. A total of 575 samples was collected. The results are listed in Table 6.

The sample locations in the south cirque are plotted at 1:5,000 on Figure 11, with tungsten, copper, gold, arsenic, antimony, lead and zinc values on Figures 12 to 18, respectively. Samples in the north cirque are also plotted on the above maps with the central portion also at 1:2,500 on Figures 19 to 26.

The strongest tungsten anomaly, centred on line 2975N (Figure 20), corresponds to scheelite-bearing vein float in talus. The talus fines are also anomalous in arsenic and antimony (Figures 23 and 24), showing a strong correlation with the tungsten values. This trend is weakly anomalous in gold (Figure 22).

A strong copper anomaly is centred in line 3050N (Figure 21) and generally corresponds to an area of copper-bearing quartz vein float. There is a good correlation of lead (Figure 25) with this copper anomaly. Zinc and arsenic show some correlation (Figures 26 and 23).

The gold and mercury values in rock samples from a fault zone (3200N/50E) are strongly complemented by gold, tungsten and antimony anomalies (Figures 22, 20 and 24) in soils and talus fines. Arsenic, lead and zinc values (Figures 23, 25 and 26) are also significantly anomalous.

Other areas of anomalous tungsten geochemistry are on lines 2600N (weak antimony anomaly), 2300N (strong antimony anomaly) and 500N. Samples collected near the east end of line 200N are anomalous in many elements. However, the samples are from an avalanche chute, making the source not easily discernable.

On lines 3400N-3700N, $A_0$-horizon soils (the organic-rich soil horizon just below the organic litter) were collected. These samples were analysed for mercury vapour (Table 7, Figure 27). The purpose was to delineate possible gold zones associated with mercury gas halos. The analysis returned two isolated anomalous samples. A sample, containing 38 ppb Hg, at the west end of line 3500N has a corresponding arsenic, antimony and gold anomaly in B-horizon soils.

Rock Sampling

Rock samples are described in Table 2 and geochemical analyses are shown in Table 3. A total of 120 samples was collected.

Some of the samples from Table 2 have been selected to demonstrate the geochemical signature of various rock types: limestone/shale units, gossanous pelitic units, aphanitic dykes, scheelite-fluorite calcite veins and copper-bearing quartz veins (Table 4). The geochemistry is relatively consistent within each rock type.

When compared to the host limestones and shales, the scheelite-bearing veins are strongly enriched (greater than 5 times) in W, Br, Sb, Zr, Hf, Mo, U, Hg, Pb, Ba, As, F and Ag; the copper-bearing veins enriched in W, Cu, Cr, Mo, Ag and U; and gossanous pelitic rocks enriched in Mo, Pb, Co, Fe and Cu.

The sample locations in the south cirque are plotted at 1:5,000 on Figure 4, with tungsten, copper and gold values on Figures 5 to 7, respectively. Samples in the north cirque are also plotted on the above maps with the central portion also at 1:2,500 on Figures 8 to 10.

The ridge north of the large talus basin was mapped and sampled, covering a 261 m thick section of the stratigraphy (Table 2, Figure 4). An 18-metre wide zone contains abundant quartz and calcite-quartz veining and analysed 32 ppb gold and 180 ppb mercury (Table 4, Figure 10). The underlying 12-metre sample is also anomalous: 7 ppb gold and 132 ppb mercury.

Project 563

File: 563\selectrx.wk1

# Albert River Property
# Rock Sample Analyses
## selected samples

Report Date: 95.12.05
Reference: various

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | CV-AA Hg ppb | SIE F ppm | INAA Ba ppm | ICP Ba ppm | INAA Br ppm | ICP Pb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **carbonate altered aphanitic dykes/sills** | | | | | | | | | | | | | | | |
| AR-95-004 | <2 | <20 | 9 | 5 | 9 | 0 | <5 | 3 | 4 | <10 | 1000 | 1200 | 99 | 0 | 2 |
| AR-95-012 | <2 | <20 | <5 | 2 | 12 | 0 | <5 | 3 | 4 | <10 | 830 | 1300 | 113 | 0 | 3 |
| AR-95-020 | <2 | <20 | <5 | 11 | 11 | 2 | <5 | 2 | 4 | 17 | 870 | 1400 | 174 | 1 | 3 |
| *mean* | <2 | <20 | 5 | 6 | 11 | 1 | <5 | 3 | 4 | <10 | 900 | 1300 | 129 | 0 | 3 |
| *n=3* | | | | | | | | | | | | | | | |
| **Scheelite-bearing calcite-fluorite veins** | | | | | | | | | | | | | | | |
| AR-95-029 | 8920 | <20 | <12 | <2 | <5 | 2 | <5 | 4 | 4 | 2100 | | 15400 | 30 | 0 | 45 |
| AR-95-703 | 28600 | 64 | <79 | 53 | 72 | 21 | 11 | <22 | 4 | 25000 | 900 | 20000 | 509 | 67 | 268 |
| AR-95-704 | 3750 | 80 | 17 | 5 | 17 | 15 | 11 | 11 | 3 | 670 | 2200 | 710 | 482 | 4 | 43 |
| AR-95-707 | 5590 | 194 | 32 | 47 | 49 | 101 | 75 | 14 | 5 | 640 | 97000 | 8000 | >2000 | 8 | 55 |
| AR-95-713 | 28500 | 33 | 65 | 95 | 106 | 466 | 297 | 89 | 8 | 2900 | 11000 | 23000 | 1096 | 52 | 318 |
| AR-95-802 | 13000 | 24 | 60 | 39 | 51 | 33 | 18 | 28 | 4 | 730 | 950 | 9900 | 1681 | 14 | 340 |
| AR-95-803 | 17100 | 39 | <28 | <6 | <5 | 5 | <5 | 37 | 2 | 160 | 7500 | 740 | 115 | 15 | 21 |
| AR-95-804 | 7350 | 44 | 37 | 16 | 25 | 13 | 8 | 26 | 8 | 370 | 300 | 6800 | 1922 | 4 | 484 |
| AR-95-809 | 44000 | 97 | <71 | <14 | 12 | 8 | <5 | 83 | 2 | 440 | 1900 | 3000 | 1131 | 65 | 57 |
| AR-95-810 | 37000 | 40 | 68 | <12 | 23 | 18 | 12 | 53 | 2 | 1500 | 4800 | 2500 | 1306 | 58 | 83 |
| AR-95-811 | 62000 | 36 | <120 | <14 | 31 | 34 | 14 | 45 | 3 | 550 | 390 | 10400 | >2000 | 144 | 38 |
| AR-95-813 | 4150 | 94 | <11 | 0 | <5 | 2 | <5 | 9 | 4 | 57 | 1100 | 1200 | 408 | 3 | 63 |
| AR-95-819 | 62000 | 37 | <92 | 51 | 74 | 142 | 84 | 110 | 2 | 680 | 18000 | 6600 | 1970 | 116 | 41 |
| AR-95-820 | 8760 | 82 | 29 | <3 | 6 | 12 | 11 | 15 | 2 | 140 | 5400 | 1900 | 1026 | 14 | 39 |
| AR-95-821 | 22200 | 25 | <34 | <8 | 31 | 10 | 7 | 46 | 1 | 620 | 750 | 2000 | 974 | 20 | 19 |
| AR-95-900 | 58000 | 57 | 470 | <19 | 10 | 33 | 19 | 88 | 3 | 750 | 4700 | 1500 | 976 | 102 | 119 |
| AR-95-901 | 51000 | 68 | <92 | <17 | 14 | 18 | 9 | 49 | 3 | 990 | 6000 | 5000 | 1937 | 80 | 100 |
| AR-95-903 | 27700 | 70 | <54 | <10 | <5 | 21 | 10 | 38 | 4 | 610 | 250 | 9900 | >2000 | 45 | 207 |
| AR-95-904 | 14700 | 46 | 89 | 10 | 23 | 118 | 79 | 34 | 4 | 1700 | 12000 | 3400 | 1549 | 15 | 333 |
| AR-95-905 | 57000 | 26 | <110 | 117 | 100 | 21 | 8 | 77 | 7 | 2100 | 3100 | 11700 | 1493 | 121 | 51 |
| AR-95-906 | 29400 | 28 | <49 | <11 | 48 | 39 | 22 | 67 | 3 | 760 | 6200 | 5200 | >2000 | 33 | 98 |
| AR-95-909 | 52000 | 46 | <88 | <17 | <5 | 45 | 25 | 57 | 3 | 540 | 2500 | 4400 | 1720 | 101 | 574 |
| AR-95-911 | 110000 | 23 | <210 | 43 | 54 | 18 | <5 | 64 | 3 | 2000 | 1000 | 3800 | 1308 | 248 | 77 |
| *mean* | 32700 | 54 | 80 | 26 | 33 | 52 | 32 | 46 | 4 | 2000 | 8500 | 6800 | | 58 | 151 |
| *n=23* | | | *n=11* | | | | | | | | *n=22* | | | | |
| **Copper-bearing quartz veins: sample 824 with massive pyrite bordering vein** | | | | | | | | | | | | | | | |
| AR-95-806 | 96 | 81 | <5 | 13 | 11 | 0 | <5 | 11 | 10 | 14 | 170 | <100 | 46 | 0 | <2 |
| AR-95-807 | <50 | 20 | <5 | 2 | <5 | 0 | <5 | 6 | 6 | 11 | 110 | <100 | 14 | 0 | <2 |
| AR-95-815 | 874 | 75 | <5 | 4 | <5 | 0 | <5 | 8 | 5 | 21 | 210 | 160 | 36 | 1 | <2 |
| *mean* | 340 | 59 | <5 | 6 | 6 | 0 | <5 | 8 | 7 | 15 | 160 | <100 | 32 | 0 | <2 |
| *n=3* | | | | | | | | | | | | | | | |
| AR-95-824 | 265 | 220 | 47 | 5 | <5 | 2 | <5 | 14 | 22 | 300 | 350 | <100 | 7 | 0 | <2 |

# Albert River Property
## Rock Sample Analyses (part 2)

| Sample ID | INAA U ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | INAA Zn ppm | ICP Zn ppm | ICP Cu ppm | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **carbonate altered aphanitic dykes/sills** | | | | | | | | | | | | | | | | |
| AR-95-004 | 1 | 3 | <500 | 0 | <200 | 89 | 45 | <5 | <0.2 | 425 | 130 | 107 | 44 | 36 | 240 | 114 |
| AR-95-012 | 1 | 3 | <500 | 1 | <200 | 86 | 44 | <5 | <0.2 | 413 | 120 | 104 | 29 | 28 | 210 | 98 |
| AR-95-020 | 2 | <2 | <500 | 2 | <200 | 87 | 55 | <5 | <0.2 | 448 | 140 | 102 | 35 | 31 | 240 | 97 |
| *mean n=3* | 1 | 2 | <500 | 1 | <200 | 87 | 48 | <5 | <0.2 | 429 | 130 | 104 | 36 | 32 | 230 | 103 |
| **Scheelite-bearing calcite-fluorite veins** | | | | | | | | | | | | | | | | |
| AR-95-029 | 1 | <2 | <500 | 3 | <200 | 118 | 46 | <5 | 0.3 | 434 | <20 | 55 | <10 | 18 | 53 | 101 |
| AR-95-703 | 55 | 297 | 7500 | 8 | 1800 | 2240 | 20 | <5 | <0.2 | 249 | <79 | 6 | <10 | 2 | 410 | 55 |
| AR-95-704 | 6 | 24 | 700 | 10 | <200 | 34 | 24 | <5 | 0.3 | 240 | <20 | 1 | <10 | 0 | 85 | 5 |
| AR-95-707 | 8 | 11 | <500 | 47 | <200 | 28 | 23 | <5 | 1.5 | 190 | <20 | 5 | <10 | 2 | <50 | 16 |
| AR-95-713 | 39 | 190 | 4100 | 13 | 250 | 149 | 28 | <5 | 0.8 | 180 | <54 | 9 | <10 | 4 | <150 | 33 |
| AR-95-802 | 15 | 38 | 1200 | 3 | <200 | 47 | 21 | <5 | 1.1 | 231 | <20 | 4 | <10 | 1 | 150 | 20 |
| AR-95-803 | 24 | 43 | 1400 | 5 | <200 | 10 | 18 | <5 | <0.2 | 259 | <20 | 0 | <10 | 0 | <50 | 6 |
| AR-95-804 | 13 | 14 | <500 | 6 | 270 | 272 | 25 | <5 | 1.2 | 196 | <20 | 7 | <10 | 2 | 180 | 72 |
| AR-95-809 | 66 | 120 | 3500 | 13 | <200 | 22 | 29 | <5 | 0.8 | 201 | <50 | 2 | <10 | 0 | 310 | 18 |
| AR-95-810 | 78 | 98 | 2900 | 5 | <200 | 64 | 23 | <5 | 0.9 | 212 | <41 | 2 | <10 | 0 | <190 | 16 |
| AR-95-811 | 102 | 577 | >10000 | 6 | <670 | 47 | 21 | <11 | 0.9 | 218 | <120 | 3 | <10 | 0 | 800 | 25 |
| AR-95-813 | 8 | 29 | 790 | 20 | <200 | 50 | 54 | <5 | <0.2 | 608 | <20 | 28 | 21 | 18 | <50 | 15 |
| AR-95-819 | 140 | 254 | 4500 | 12 | <200 | 9 | 28 | <5 | 1.2 | 153 | <71 | 8 | <10 | 4 | 470 | 74 |
| AR-95-820 | 17 | 97 | 2100 | 10 | <200 | 11 | 23 | <5 | 0.4 | 259 | <20 | 1 | <10 | 0 | <150 | 12 |
| AR-95-821 | 42 | 54 | 2200 | 2 | <200 | 18 | 21 | <5 | 0.7 | 206 | <20 | 2 | <10 | 0 | 160 | 12 |
| AR-95-900 | 138 | 212 | 5500 | 7 | <450 | 55 | 194 | <5 | 0.6 | 242 | <60 | 2 | <10 | 0 | <470 | 23 |
| AR-95-901 | 118 | 120 | 3000 | 10 | <200 | 38 | 64 | <5 | 1.1 | 234 | <53 | 2 | <10 | 0 | 430 | 13 |
| AR-95-903 | 60 | 69 | 2600 | 8 | <200 | 27 | 23 | <5 | 1.3 | 310 | <20 | 3 | <10 | 0 | 420 | 56 |
| AR-95-904 | 22 | 42 | 1400 | 7 | <200 | 80 | 29 | <5 | 0.9 | 280 | <20 | 2 | <10 | 0 | <50 | 20 |
| AR-95-905 | 132 | 180 | 3500 | 7 | <200 | 141 | 15 | <5 | 0.7 | 162 | <75 | 9 | <10 | 3 | <360 | 53 |
| AR-95-906 | 57 | 120 | 3300 | 6 | <200 | 44 | 20 | <5 | 1.0 | 220 | <44 | 4 | <10 | 2 | 280 | 22 |
| AR-95-909 | 147 | 160 | 3900 | 5 | <200 | 8 | 20 | <5 | 0.9 | 244 | <58 | 0 | <10 | 0 | <270 | 4 |
| AR-95-911 | 210 | 447 | 8400 | 3 | <630 | 123 | 17 | <18 | 0.5 | 123 | <120 | 7 | <10 | 2 | <700 | 55 |
| *mean n=23* | 65 | 139 | 3200 | 9 | | 158 | 34 | <5 | 0.8 | 246 | | 7 | <10 | 3 | | 32 |
| **Copper-bearing quartz veins: sample 824 with massive pyrite bordering vein** | | | | | | | | | | | | | | | | |
| AR-95-806 | 22 | 1 | <500 | 10 | <200 | 43 | 2344 | <5 | 1.0 | 88 | <20 | 15 | <10 | 5 | 380 | 271 |
| AR-95-807 | 6 | 0 | <500 | 1 | <200 | 57 | 1222 | <5 | 0.7 | 157 | <20 | 6 | <10 | 2 | 220 | 133 |
| AR-95-815 | 8 | 2 | <500 | 9 | <200 | 57 | 1300 | <5 | 0.8 | 127 | <20 | 5 | <10 | 1 | 220 | 133 |
| *mean n=3* | 12 | 1 | <500 | 7 | <200 | 52 | 1622 | <5 | 0.8 | 124 | <20 | 9 | <10 | 3 | 273 | 179 |
| AR-95-824 | 24 | 17 | <500 | 31 | 3200 | 2792 | 48000 | 20 | 21.7 | 88 | 430 | 379 | 100 | 73 | 240 | 149 |

## Albert River Property
## Rock Sample Analyses (part 3)

| Sample ID | ICP Bi ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm | INAA Th ppm | ICP V ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **carbonate altered aphanitic dykes/sills** | | | | | | | | | | | | | | |
| AR-95-004 | <5 | <10 | <0.2 | 3 | 54 | 7 | 37 | 213 | 6.2 | 5.2 | 4.0 | 2.2 | 2.5 | 0.3 |
| AR-95-012 | <5 | <10 | <0.2 | <2 | 45 | 7 | 31 | 127 | 4.9 | 4.9 | 3.7 | 2.3 | 2.5 | 0.3 |
| AR-95-020 | <5 | <10 | <0.2 | <2 | 41 | 6 | 28 | 151 | 6.5 | 5.4 | 4.0 | 2.2 | 2.2 | 0.4 |
| *mean n=3* | <5 | <10 | <0.2 | <2 | 47 | 7 | 32 | 164 | 5.9 | 5.2 | 3.9 | 2.2 | 2.4 | 0.3 |
| **Scheelite-bearing calcite-fluorite veins** | | | | | | | | | | | | | | |
| AR-95-029 | 6 | <20 | <0.2 | <2 | 4 | 4 | 1 | 226 | 9.5 | <0.5 | 4.1 | 1.7 | 0.3 | 0.1 |
| AR-95-703 | <5 | <130 | 5.0 | <2 | 3 | <8 | 7 | 458 | >10.0 | 1.1 | 0.9 | 1.7 | 0.3 | 0.2 |
| AR-95-704 | <5 | <21 | <0.2 | <2 | 0 | 0 | 7 | 943 | >10.0 | <0.5 | 0.2 | 0.3 | 0.1 | 0.0 |
| AR-95-707 | <5 | <30 | <0.2 | <2 | 6 | 0 | 17 | 709 | >10.0 | 0.5 | 0.4 | 0.5 | 0.7 | 0.4 |
| AR-95-713 | <5 | <88 | 0.3 | <2 | 12 | 0 | 34 | 640 | >10.0 | 1.4 | 0.8 | 0.3 | 1.1 | 0.6 |
| AR-95-802 | <5 | <42 | <0.2 | <2 | 1 | 0 | 10 | 543 | >10.0 | 0.6 | 0.4 | 0.4 | 0.1 | 0.1 |
| AR-95-803 | <5 | <53 | <0.2 | <2 | 0 | <2 | 8 | 481 | >10.0 | <0.5 | 0.1 | 0.1 | 0.1 | 0.1 |
| AR-95-804 | <5 | <36 | 0.9 | <2 | 1 | 0 | 5 | 511 | >10.0 | 0.8 | 0.6 | 0.6 | 0.1 | 0.1 |
| AR-95-809 | <5 | <130 | <0.2 | <2 | 3 | <4 | 6 | 544 | >10.0 | <0.5 | 0.2 | 0.2 | 0.2 | 0.1 |
| AR-95-810 | <5 | <110 | 0.2 | <2 | 3 | <4 | 7 | 588 | >10.0 | <0.5 | 0.2 | 0.2 | 0.2 | 0.1 |
| AR-95-811 | <5 | <200 | <0.2 | <2 | 2 | <12 | 4 | 678 | >10.0 | 0.9 | 0.3 | 0.2 | 0.1 | 0.0 |
| AR-95-813 | <5 | <29 | <0.2 | 3 | 24 | 7 | 12 | 312 | >10.0 | 4.4 | 3.0 | 2.5 | 1.5 | 0.6 |
| AR-95-819 | <5 | <160 | <0.2 | <2 | 4 | <5 | 12 | 466 | >10.0 | 0.9 | 0.5 | 0.1 | 0.5 | 0.3 |
| AR-95-820 | <5 | <48 | <0.2 | <2 | 1 | <2 | 8 | 671 | >10.0 | <0.5 | 0.2 | 0.2 | 0.1 | 0.1 |
| AR-95-821 | <5 | <66 | <0.2 | <2 | 2 | <2 | 6 | 673 | >10.0 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 |
| AR-95-900 | <5 | <170 | 0.5 | <2 | 1 | <7 | 7 | 599 | >10.0 | <0.5 | 0.2 | 0.1 | 0.1 | 0.1 |
| AR-95-901 | <5 | <150 | <0.2 | <2 | 4 | <6 | 7 | 596 | >10.0 | <0.5 | 0.2 | 0.2 | 0.3 | 0.2 |
| AR-95-903 | <5 | <93 | <0.2 | <2 | 1 | <3 | 2 | 739 | >10.0 | 0.6 | 0.5 | 0.2 | 0.1 | 0.0 |
| AR-95-904 | <5 | <48 | <0.2 | <2 | 0 | <2 | 10 | 579 | >10.0 | <0.5 | 0.2 | 0.4 | 0.1 | 0.1 |
| AR-95-905 | <5 | <200 | <0.2 | <2 | 5 | <7 | 7 | 324 | >10.0 | 1.1 | 1.1 | 0.9 | 0.5 | 0.3 |
| AR-95-906 | <5 | <93 | 0.2 | <2 | 8 | <3 | 11 | 536 | >10.0 | 1.0 | 0.5 | 0.5 | 0.6 | 0.3 |
| AR-95-909 | <5 | <150 | <0.2 | <2 | 0 | <5 | 6 | 602 | >10.0 | <0.5 | 0.1 | 0.1 | 0.0 | 0.0 |
| AR-95-911 | <5 | <340 | <0.2 | <2 | 3 | <13 | 3 | 437 | >10.0 | 1.3 | 0.8 | 0.5 | 0.2 | 0.1 |
| *mean n=23* | <5 | | 0.4 | <2 | 4 | | 9 | 559 | >10.0 | 1.0 | 0.7 | 0.5 | 0.3 | 0.2 |
| **Copper-bearing quartz veins: sample 824 with massive pyrite bordering vein** | | | | | | | | | | | | | | |
| AR-95-806 | <5 | <10 | 0.5 | <2 | 2 | 0 | 2 | 53 | 2.1 | 1.2 | 1.1 | 0.1 | 0.1 | 0.1 |
| AR-95-807 | <5 | <10 | <0.2 | <2 | 0 | 0 | 0 | 296 | 8.2 | 0.9 | 0.7 | 0.1 | 0.0 | 0.0 |
| AR-95-815 | <5 | <10 | <0.2 | <2 | 2 | 0 | 2 | 176 | 7.7 | 0.7 | 0.6 | 0.2 | 0.1 | 0.1 |
| *mean n=3* | <5 | <10 | 0.2 | <2 | 1 | 0 | 1 | 175 | 6.0 | 0.9 | 0.8 | 0.1 | 0.1 | 0.1 |
| AR-95-824 | <5 | <10 | 1.7 | 18 | 12 | 1 | 5 | 11 | 0.2 | >10.0 | >10.0 | 0.6 | 0.8 | 0.1 |

# Albert River Property
## Rock Sample Analyses (part 4)

### carbonate altered aphanitic dykes/sills

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppb | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-004 | 1.3 | 0.01 | <0.01 | 66 | 2 | <2 | <100 | 42 | 10 | <0.5 | 0 | 140 | 19 | <5 |
| AR-95-012 | 1.8 | 0.01 | <0.01 | 66 | 2 | <2 | <100 | 40 | 15 | <0.5 | 0 | 99 | 20 | <5 |
| AR-95-020 | 0.9 | 0.01 | <0.01 | 58 | 3 | <2 | <100 | 37 | 11 | <0.5 | 0 | 120 | 19 | <5 |
| *mean n=3* | 1.3 | 0.01 | <0.01 | 63 | 2 | <2 | <100 | 40 | 12 | <0.5 | 0 | 120 | 19 | <5 |

### Scheelite-bearing calcite-fluorite veins

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppb | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-029 | 0.5 | 0.00 | <0.01 | <10 | 0 | <2 | <100 | <5 | 6 | <0.5 | 0 | 52 | 4 | <5 |
| AR-95-703 | 0.1 | 0.01 | <0.01 | <140 | <2 | 3 | <650 | 10 | 2 | <2.7 | 11 | 41 | 5 | <5 |
| AR-95-704 | 0.0 | 0.02 | <0.01 | <10 | 0 | <2 | <100 | 11 | 7 | 0.7 | 21 | <10 | 7 | 6 |
| AR-95-707 | 0.0 | 0.13 | <0.01 | <10 | 0 | <2 | <100 | <5 | 1 | <0.5 | 19 | 20 | 4 | <5 |
| AR-95-713 | 0.0 | 0.02 | <0.01 | <42 | 2 | <4 | <250 | 11 | 3 | <1.0 | 14 | 48 | 5 | <5 |
| AR-95-802 | 0.0 | 0.01 | <0.01 | <20 | 0 | <2 | <100 | <5 | 1 | <0.5 | 18 | 11 | 6 | <5 |
| AR-95-803 | 0.1 | 0.03 | <0.01 | <24 | 0 | <2 | <100 | <5 | 0 | 0.9 | 20 | <10 | 12 | 7 |
| AR-95-804 | 0.0 | 0.01 | <0.01 | <10 | 0 | <2 | <100 | 6 | 2 | <0.5 | 14 | 13 | 3 | <5 |
| AR-95-809 | 0.2 | 0.01 | <0.01 | <66 | 0 | 2 | <400 | <5 | 1 | <1.6 | 19 | <10 | 6 | <5 |
| AR-95-810 | 0.0 | 0.02 | <0.01 | <57 | 0 | <2 | <340 | <5 | 2 | <1.4 | 18 | <10 | 6 | <5 |
| AR-95-811 | 0.1 | 0.02 | <0.01 | <220 | <4 | <2 | <990 | 7 | 3 | <4.1 | 18 | 35 | 9 | 6 |
| AR-95-813 | 0.3 | 0.01 | 0.02 | 36 | 4 | <2 | <100 | 34 | 8 | 1.0 | 9 | 120 | 13 | <5 |
| AR-95-819 | 0.1 | 0.04 | <0.01 | <84 | 0 | 5 | <490 | 8 | 3 | <2.1 | 13 | <29 | 5 | <5 |
| AR-95-820 | 0.0 | 0.03 | <0.01 | <56 | 0 | <2 | <250 | <5 | 1 | 1.1 | 20 | 14 | 6 | <5 |
| AR-95-821 | 0.0 | 0.01 | <0.01 | <30 | 0 | <2 | <100 | <5 | 0 | <0.5 | 18 | 21 | 6 | <5 |
| AR-95-900 | 0.2 | 0.02 | <0.01 | <140 | 2 | <2 | <740 | <5 | 0 | <3.5 | 19 | <23 | 4 | <5 |
| AR-95-901 | 0.0 | 0.02 | <0.01 | <110 | 0 | 2 | <570 | <5 | 0 | <2.5 | 18 | 21 | 6 | <5 |
| AR-95-903 | 0.2 | 0.01 | <0.01 | <55 | 0 | 2 | <310 | 7 | 6 | <1.3 | 16 | <10 | 3 | <5 |
| AR-95-904 | 0.0 | 0.05 | <0.01 | <23 | 1 | <2 | <100 | <5 | 0 | <0.5 | 20 | <10 | 6 | <5 |
| AR-95-905 | 0.0 | 0.01 | <0.01 | <110 | <2 | <2 | <630 | 11 | 3 | <2.7 | 9 | 33 | 4 | <5 |
| AR-95-906 | 0.0 | 0.02 | <0.01 | <43 | 1 | <2 | <260 | <5 | 0 | <1.0 | 16 | 24 | 7 | <5 |
| AR-95-909 | 0.0 | 0.02 | <0.01 | <85 | 0 | 3 | <480 | <5 | 0 | <2.0 | 20 | <20 | 6 | <5 |
| AR-95-911 | 0.5 | 0.01 | <0.01 | <220 | <4 | <2 | | 8 | 2 | <5.2 | 9 | 52 | 4 | <5 |
| *mean n=23* | 0.1 | 0.02 | <0.01 | | 1 | <2 | | 7 | 2 | | 16 | 25 | 6 | <5 |

### Copper-bearing quartz veins: sample 824 with massive pyrite bordering vein

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppb | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-806 | 0.2 | 0.01 | <0.01 | <10 | 0 | <2 | <100 | <5 | 2 | <0.5 | 2 | 11 | 1 | <5 |
| AR-95-807 | 0.1 | 0.00 | <0.01 | 33 | 0 | <2 | <100 | 14 | 7 | <0.5 | 7 | <10 | 2 | <5 |
| AR-95-815 | 0.1 | 0.00 | <0.01 | <10 | 0 | <2 | <100 | <5 | 3 | <0.5 | 6 | <10 | 1 | <5 |
| *mean n=3* | 0.1 | 0.00 | <0.01 | | 0 | <2 | <100 | 7 | 4 | <0.5 | 5 | <10 | 1 | <5 |
| AR-95-824 | 0.0 | 0.01 | <0.01 | <10 | 0 | <2 | <100 | <5 | 0 | <0.5 | 3 | <10 | 1 | <5 |

# Albert River Property
## Rock Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | ICP Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **carbonate altered aphanitic dykes/sills** | | | | | | | | | | | |
| AR-95-004 | <10 | 4 | <200 | <20 | 4 | <10 | 0 | <20 | <10 | 5 | <5 |
| AR-95-012 | <10 | 4 | <200 | <20 | 4 | <10 | 0 | <20 | <10 | 6 | <5 |
| AR-95-020 | <10 | 4 | <200 | <20 | 4 | <10 | 0 | <20 | <10 | 7 | <5 |
| *mean n=3* | <10 | 4 | <200 | <20 | 4 | <10 | 0 | <20 | <10 | 6 | <5 |
| **Scheelite-bearing calcite-fluorite veins** | | | | | | | | | | | |
| AR-95-029 | <10 | 1 | <200 | <20 | 0 | <10 | 0 | <56 | <10 | 10 | <5 |
| AR-95-703 | <92 | 2 | <3300 | <20 | 0 | <10 | <5 | <330 | <10 | 11 | <17 |
| AR-95-704 | <10 | 3 | <450 | <20 | 0 | <10 | 0 | <57 | <10 | 13 | <5 |
| AR-95-707 | <10 | 1 | <520 | <20 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| AR-95-713 | <34 | 3 | <1400 | <20 | 0 | <10 | 0 | <100 | <10 | 15 | <5 |
| AR-95-802 | <10 | 2 | <630 | <20 | 0 | <10 | 0 | <45 | <10 | 11 | <5 |
| AR-95-803 | <10 | 3 | <770 | <20 | 0 | <10 | 0 | <54 | <10 | 19 | 7 |
| AR-95-804 | <10 | 2 | <470 | <20 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| AR-95-809 | <53 | 6 | <2000 | <20 | 0 | <10 | <3 | <140 | <10 | 22 | <12 |
| AR-95-810 | <46 | 3 | <1700 | <20 | 0 | <10 | <2 | <120 | <10 | 22 | <10 |
| AR-95-811 | <140 | <2 | <5000 | <20 | 0 | <10 | <9 | <510 | <10 | 39 | <27 |
| AR-95-813 | <10 | 5 | <450 | <20 | 0 | <10 | 1 | <45 | <10 | 11 | <5 |
| AR-95-819 | <68 | 4 | <2500 | <20 | 1 | <10 | <4 | <180 | <10 | 30 | <15 |
| AR-95-820 | <27 | 2 | <950 | <20 | 0 | <10 | 0 | <140 | <10 | 11 | <5 |
| AR-95-821 | <24 | 2 | <950 | <20 | 0 | <10 | 0 | <67 | <10 | 13 | <5 |
| AR-95-900 | <85 | 3 | <2900 | <20 | 0 | <10 | <4 | <300 | <10 | 29 | <23 |
| AR-95-901 | <73 | 5 | <2500 | <20 | 0 | <10 | <3 | <220 | <10 | 25 | <17 |
| AR-95-903 | <41 | 4 | <1500 | <20 | 0 | <10 | 0 | <130 | <10 | 21 | <5 |
| AR-95-904 | <10 | 2 | <770 | <20 | 0 | <10 | 0 | <55 | <10 | 13 | <5 |
| AR-95-905 | <89 | 4 | <3200 | <20 | 0 | <10 | <4 | <230 | <10 | 25 | <19 |
| AR-95-906 | <34 | 3 | <1300 | <20 | 0 | <10 | 0 | <96 | <10 | 16 | <5 |
| AR-95-909 | <68 | 2 | <2400 | <20 | 0 | <10 | <3 | <170 | <10 | 30 | <15 |
| AR-95-911 | <160 | 4 | <5600 | <20 | 0 | <10 | <6 | <440 | <10 | 57 | <36 |
| *mean n=23* | | 3 | | <20 | 0 | <10 | | | <10 | 20 | |
| **Copper-bearing quartz veins: sample 824 with massive pyrite bordering vein** | | | | | | | | | | | |
| AR-95-806 | <10 | 1 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| AR-95-807 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| AR-95-815 | <10 | 1 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| *mean n=3* | <10 | 2 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| AR-95-824 | 20 | 0 | <200 | <20 | 0 | 25 | 0 | <20 | 76 | 2 | <5 |

**Project 563**

File: 563\selectrx.wk1

# Albert River Property
# Rock Sample Analyses
**selected samples**

Report Date: 95.12.05
Reference: various

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | CV-AA Hg ppb | SIE F ppm | INAA Ba ppm | ICP Ba ppm | INAA Br ppm | ICP Pb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Argillaceous limestone and calcareous shale: chip samples over total of 261 metre section** | | | | | | | | | | | | | | | |
| AR-95-050 | <50 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 1 | <10 | 1100 | 1100 | 171 | 0 | 5 |
| AR-95-051 | <50 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 4 | <10 | 1400 | 2300 | 177 | 0 | 10 |
| AR-95-052 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 5 | <10 | 430 | 500 | 150 | 0 | 3 |
| AR-95-053 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <10 | 690 | 1000 | 185 | 0 | 5 |
| AR-95-054 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 7 | <10 | 1000 | 1100 | 146 | 1 | 5 |
| AR-95-055 | <50 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 5 | <10 | 500 | 390 | 92 | 0 | 4 |
| AR-95-056 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | 3 | 5 | <10 | 950 | 640 | 115 | 0 | 5 |
| AR-95-057 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 5 | <10 | 850 | 570 | 102 | 0 | 8 |
| AR-95-058 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 7 | <10 | 1100 | 620 | 74 | 0 | 8 |
| AR-95-059 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 7 | <10 | 920 | 460 | 61 | 0 | 15 |
| AR-95-060 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 7 | <10 | 1100 | 570 | 68 | 0 | 10 |
| AR-95-061 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | 2 | 8 | 15 | 1200 | 550 | 65 | 1 | 12 |
| AR-95-062 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 5 | <10 | 1200 | 470 | 48 | 0 | 4 |
| AR-95-063 | <50 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <10 | 990 | 350 | 33 | 0 | 8 |
| AR-95-064 | <50 | <20 | <5 | 6 | <5 | 0 | <5 | <2 | 4 | <10 | 1400 | 490 | 47 | 0 | 7 |
| AR-95-066 | <50 | <20 | 7 | 10 | 7 | 3 | <5 | 4 | 5 | 132 | 1300 | 470 | 35 | 0 | 14 |
| AR-95-067 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <10 | 1300 | 500 | 54 | 0 | 11 |
| AR-95-068 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | 33 | 1200 | 440 | 41 | 0 | 5 |
| AR-95-069A | <50 | <20 | <5 | 5 | <5 | 1 | <5 | 2 | 4 | <10 | 780 | 310 | 45 | 0 | 4 |
| AR-95-069 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 6 | <10 | 990 | 640 | 78 | 2 | 9 |
| AR-95-070 | <50 | <20 | <5 | 4 | 5 | 1 | <5 | <2 | 3 | <10 | 1100 | 430 | 81 | 0 | 7 |
| *mean* | <50 | <20 | <5 | 5 | <5 | 1 | <5 | 1 | 5 | <10 | 1000 | 580 | 80 | 0 | 7 |
| **Similar to above except with abundant quartz and calcite-quartz veining** | | | | | | | | | | | | | | | |
| AR-95-065 | <50 | <20 | 32 | 9 | 6 | 3 | <5 | 3 | 5 | 180 | 990 | 250 | 43 | 0 | 8 |
| **Gossanous pelitic rocks** | | | | | | | | | | | | | | | |
| AR-95-001 | <2 | <20 | 8 | 42 | 21 | 8 | 7 | 46 | 41 | | | 350 | 70 | 2 | 165 |
| AR-95-008 | <2 | <20 | <5 | 23 | 17 | 4 | <5 | 3 | 11 | | | 100 | 17 | 3 | 137 |
| AR-95-014 | <2 | <20 | 5 | 19 | <5 | 6 | <5 | 130 | 105 | | | 580 | 49 | 2 | 124 |
| AR-95-706 | 4 | <20 | <5 | 18 | <5 | 1 | <5 | 5 | 9 | | | 280 | 43 | 0 | 391 |
| *mean* *n=4* | <2 | <20 | 5 | 25 | 10 | 5 | <5 | 46 | 42 | | | 330 | 45 | 2 | 205 |

# Albert River Property
## Rock Sample Analyses (part 2)

| Sample ID | INAA U ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | INAA Zn ppm | ICP Zn ppm | ICP Cu ppm | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Argillaceous limestone and calcareous shale: chip samples over total of 261 metre section** | | | | | | | | | | | | | | | | |
| AR-95-050 | 2 | <2 | <500 | 3 | <200 | 33 | 27 | <5 | <0.2 | 201 | <20 | 13 | <10 | 4 | <50 | 16 |
| AR-95-051 | 2 | <2 | <500 | 3 | <200 | 48 | 23 | <5 | <0.2 | 239 | <20 | 21 | 10 | 7 | 65 | 17 |
| AR-95-052 | 1 | <2 | <500 | 0 | <200 | 12 | 20 | <5 | 0.4 | 97 | <20 | 4 | <10 | 2 | <50 | 6 |
| AR-95-053 | 2 | <2 | <500 | 1 | <200 | 23 | 22 | <5 | 0.3 | 176 | <20 | 8 | <10 | 3 | <50 | 9 |
| AR-95-054 | 2 | <2 | <500 | 5 | <200 | 31 | 21 | <5 | <0.2 | 275 | <20 | 14 | <10 | 6 | 53 | 21 |
| AR-95-055 | 2 | <2 | <500 | 2 | <200 | 16 | 21 | <5 | <0.2 | 130 | <20 | 6 | <10 | 2 | <50 | 11 |
| AR-95-056 | 1 | <2 | <500 | 3 | <200 | 17 | 18 | <5 | <0.2 | 229 | <20 | 8 | <10 | 5 | <50 | 14 |
| AR-95-057 | 2 | <2 | <500 | 5 | <200 | 39 | 21 | <5 | 0.2 | 163 | <20 | 10 | <10 | 4 | <50 | 12 |
| AR-95-058 | 2 | <2 | <500 | 6 | <200 | 55 | 22 | <5 | <0.2 | 170 | <20 | 22 | 10 | 9 | 66 | 25 |
| AR-95-059 | 3 | <2 | <500 | 5 | <200 | 55 | 20 | <5 | <0.2 | 390 | 26 | 16 | <10 | 6 | 56 | 18 |
| AR-95-060 | 2 | 2 | <500 | 5 | <200 | 57 | 24 | <5 | <0.2 | 354 | 25 | 18 | <10 | 6 | 59 | 24 |
| AR-95-061 | 2 | 3 | <500 | 4 | <200 | 104 | 52 | <5 | <0.2 | 290 | 26 | 20 | <10 | 7 | 65 | 23 |
| AR-95-062 | 2 | 2 | <500 | 4 | <200 | 51 | 22 | <5 | <0.2 | 311 | 27 | 16 | <10 | 5 | 54 | 16 |
| AR-95-063 | 1 | <2 | <500 | 1 | <200 | 35 | 26 | <5 | <0.2 | 292 | <20 | 13 | <10 | 4 | <50 | 15 |
| AR-95-064 | 2 | <2 | <500 | 2 | <200 | 60 | 22 | <5 | <0.2 | 256 | 36 | 26 | 11 | 9 | 80 | 27 |
| AR-95-066 | 3 | <2 | <500 | 5 | <200 | 50 | 24 | <5 | <0.2 | 329 | <20 | 18 | <10 | 6 | <50 | 13 |
| AR-95-067 | 2 | <2 | <500 | 2 | <200 | 65 | 21 | <5 | <0.2 | 243 | 25 | 29 | 13 | 10 | 100 | 32 |
| AR-95-068 | 2 | <2 | <500 | 1 | <200 | 48 | 22 | <5 | <0.2 | 299 | <20 | 20 | <10 | 7 | 65 | 23 |
| AR-95-069A | 1 | <2 | <500 | 1 | <200 | 21 | 24 | <5 | 0.3 | 118 | <20 | 7 | <10 | 3 | <50 | 9 |
| AR-95-069 | 2 | <2 | <500 | 4 | <200 | 44 | 23 | <5 | 0.2 | 196 | <20 | 14 | <10 | 5 | 79 | 19 |
| AR-95-070 | 2 | <2 | <500 | 2 | <200 | 28 | 18 | <5 | <0.2 | 258 | <20 | 11 | <10 | 4 | 58 | 19 |
| *mean* | 2 | <2 | <500 | 3 | <200 | 42 | 23 | <5 | <0.2 | 237 | <20 | 15 | <10 | 5 | | 19 |
| **Similar to above except with abundant quartz and calcite-quartz veining** | | | | | | | | | | | | | | | | |
| AR-95-065 | 2 | <2 | <500 | 4 | <200 | 46 | 20 | <5 | <0.2 | 418 | <20 | 14 | <10 | 6 | 51 | 14 |
| **Gossanous pelitic rocks** | | | | | | | | | | | | | | | | |
| AR-95-001 | 5 | <2 | <500 | 13 | <200 | 41 | 157 | <5 | 0.7 | 212 | 130 | 73 | 160 | 122 | <50 | 9 |
| AR-95-008 | 4 | <2 | <500 | 4 | <200 | 83 | 139 | <5 | 0.6 | 109 | 88 | 54 | 110 | 82 | <50 | 4 |
| AR-95-014 | 4 | 2 | <500 | 4 | 230 | 172 | 140 | <5 | 0.5 | 111 | 70 | 44 | 28 | 31 | <50 | 11 |
| AR-95-706 | 2 | <2 | <500 | 2 | <200 | 39 | 193 | <5 | <0.2 | 89 | 29 | 24 | 27 | 25 | 110 | 85 |
| *mean n=4* | 4 | <2 | <500 | 6 | <200 | 84 | 157 | <5 | 0.5 | 130 | 79 | 49 | 81 | 65 | | 27 |

# Albert River Property
## Rock Sample Analyses (part 3)

| Sample ID | ICP Bi ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm | INAA Th ppm | ICP V ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Argillaceous limestone and calcareous shale: chip samples over total of 261 metre section** | | | | | | | | | | | | | | |
| AR-95-050 | <5 | <10 | <0.2 | <2 | 22 | 6 | 8 | 441 | >10.0 | 1.7 | 1.2 | 1.2 | 1.1 | 0.3 |
| AR-95-051 | <5 | <10 | <0.2 | <2 | 24 | 10 | 8 | 432 | >10.0 | 2.7 | 1.9 | 1.0 | 1.5 | 0.3 |
| AR-95-052 | <5 | <10 | <0.2 | <2 | 7 | 1 | 3 | 883 | >10.0 | 0.5 | 0.4 | 0.4 | 0.3 | 0.1 |
| AR-95-053 | <5 | <10 | <0.2 | <2 | 11 | 4 | 4 | 778 | >10.0 | 1.2 | 0.8 | 0.6 | 0.7 | 0.2 |
| AR-95-054 | <5 | <10 | <0.2 | <2 | 19 | 7 | 9 | 275 | >10.0 | 2.1 | 1.6 | 2.5 | 1.0 | 0.3 |
| AR-95-055 | <5 | <10 | <0.2 | <2 | 10 | 2 | 5 | 556 | >10.0 | 0.7 | 0.6 | 0.9 | 0.4 | 0.2 |
| AR-95-056 | <5 | <10 | <0.2 | <2 | 18 | 3 | 9 | 416 | >10.0 | 1.3 | 0.9 | 1.4 | 0.7 | 0.3 |
| AR-95-057 | <5 | <10 | <0.2 | <2 | 16 | 5 | 11 | 435 | >10.0 | 1.3 | 1.0 | 1.2 | 0.8 | 0.2 |
| AR-95-058 | <5 | <10 | <0.2 | <2 | 32 | 10 | 15 | 291 | >10.0 | 2.6 | 1.9 | 1.6 | 1.7 | 0.2 |
| AR-95-059 | <5 | <10 | <0.2 | <2 | 21 | 10 | 17 | 236 | 8.8 | 2.3 | 1.6 | 2.9 | 1.1 | 0.3 |
| AR-95-060 | <5 | <10 | 0.3 | <2 | 28 | 11 | 15 | 239 | 9.6 | 2.4 | 1.7 | 2.6 | 1.5 | 0.3 |
| AR-95-061 | <5 | <10 | 0.7 | <2 | 31 | 12 | 21 | 194 | 8.7 | 2.5 | 1.8 | 2.6 | 1.6 | 0.3 |
| AR-95-062 | <5 | <10 | <0.2 | <2 | 23 | 10 | 12 | 216 | >10.0 | 2.3 | 1.6 | 3.2 | 1.1 | 0.3 |
| AR-95-063 | <5 | <10 | <0.2 | <2 | 25 | 8 | 6 | 362 | >10.0 | 1.8 | 1.3 | 1.7 | 1.1 | 0.2 |
| AR-95-064 | <5 | <10 | <0.2 | <2 | 53 | 11 | 12 | 178 | 7.8 | 3.5 | 2.6 | 2.3 | 2.2 | 0.3 |
| AR-95-066 | <5 | <10 | <0.2 | <2 | 21 | 9 | 8 | 266 | >10.0 | 2.4 | 1.8 | 1.8 | 0.9 | 0.2 |
| AR-95-067 | <5 | <10 | <0.2 | 2 | 61 | 13 | 14 | 131 | 5.9 | 3.6 | 2.8 | 2.3 | 2.5 | 0.3 |
| AR-95-068 | <5 | <10 | <0.2 | <2 | 47 | 11 | 10 | 270 | >10.0 | 2.8 | 2.0 | 1.7 | 1.8 | 0.2 |
| AR-95-069A | <5 | <10 | 0.4 | <2 | 8 | 3 | 4 | 770 | >10.0 | 0.8 | 0.6 | 1.5 | 0.4 | 0.1 |
| AR-95-069 | <5 | <10 | <0.2 | <2 | 19 | 6 | 11 | 485 | >10.0 | 1.7 | 1.1 | 1.2 | 1.0 | 0.2 |
| AR-95-070 | <5 | <10 | <0.2 | <2 | 17 | 6 | 8 | 358 | >10.0 | 1.6 | 1.1 | 2.0 | 0.9 | 0.2 |
| *mean* | <5 | <10 | <0.2 | <2 | 25 | 7 | 10 | 391 | >10.0 | 2.0 | 1.4 | 1.8 | 1.2 | 0.2 |
| **Similar to above except with abundant quartz and calcite-quartz veining** | | | | | | | | | | | | | | |
| AR-95-065 | <5 | <10 | <0.2 | <2 | 9 | 7 | 7 | 223 | >10.0 | 2.7 | 1.9 | 2.0 | 0.5 | 0.2 |
| **Gossanous pelitic rocks** | | | | | | | | | | | | | | |
| AR-95-001 | 27 | <10 | 0.3 | 8 | 6 | 4 | 4 | 9 | 0.2 | >10.0 | >10.0 | 0.5 | 0.4 | 0.1 |
| AR-95-008 | 25 | <10 | <0.2 | 10 | 6 | 3 | 5 | 9 | 0.3 | >10.0 | >10.0 | 0.4 | 1.5 | 0.0 |
| AR-95-014 | 16 | <10 | 0.8 | <2 | 2 | 6 | 0 | 61 | 2.5 | >10.0 | >10.0 | 0.8 | 0.2 | 0.1 |
| AR-95-706 | <5 | <10 | <0.2 | 21 | 5 | 3 | 5 | 10 | 0.3 | >10.0 | >10.0 | 0.1 | 0.4 | 0.2 |
| *mean n=4* | 18 | <10 | 0.3 | 6 | 5 | 4 | 4 | 22 | 0.8 | >10.0 | >10.0 | 0.5 | 0.6 | 0.1 |

# Albert River Property
## Rock Sample Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppb | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Argillaceous limestone and calcareous shale: chip samples over total of 261 metre section** | | | | | | | | | | | | | | |
| AR-95-050 | 0.2 | 0.01 | <0.01 | 38 | 2 | <2 | <100 | 20 | 12 | <0.5 | 13 | 67 | 5 | <5 |
| AR-95-051 | 0.2 | 0.01 | <0.01 | 63 | 3 | <2 | <100 | 34 | 20 | <0.5 | 10 | 110 | 9 | <5 |
| AR-95-052 | 0.1 | 0.01 | <0.01 | 15 | 0 | <2 | <100 | 10 | 7 | <0.5 | 17 | 21 | 2 | <5 |
| AR-95-053 | 0.1 | 0.01 | <0.01 | 25 | 1 | <2 | <100 | 16 | 9 | <0.5 | 15 | 51 | 4 | <5 |
| AR-95-054 | 0.4 | 0.01 | <0.01 | 34 | 2 | <2 | <100 | 23 | 13 | <0.5 | 8 | 72 | 6 | <5 |
| AR-95-055 | 0.3 | 0.01 | <0.01 | 13 | 0 | <2 | <100 | 11 | 7 | <0.5 | 16 | 32 | 2 | <5 |
| AR-95-056 | 0.4 | 0.01 | <0.01 | 21 | 2 | <2 | <100 | 14 | 8 | <0.5 | 12 | 55 | 5 | <5 |
| AR-95-057 | 0.4 | 0.01 | <0.01 | 20 | 2 | <2 | <100 | 16 | 6 | <0.5 | 12 | 66 | 5 | <5 |
| AR-95-058 | 0.4 | 0.00 | <0.01 | 41 | 3 | <2 | <100 | 30 | 17 | <0.5 | 10 | 110 | 9 | <5 |
| AR-95-059 | 0.6 | 0.01 | <0.01 | 54 | 2 | <2 | <100 | 31 | 17 | <0.5 | 7 | 84 | 6 | <5 |
| AR-95-060 | 0.6 | 0.01 | <0.01 | 69 | 3 | <2 | <100 | 35 | 19 | <0.5 | 8 | 76 | 8 | <5 |
| AR-95-061 | 0.7 | 0.01 | <0.01 | 65 | 2 | <2 | <100 | 34 | 18 | <0.5 | 7 | 100 | 8 | <5 |
| AR-95-062 | 0.6 | 0.01 | <0.01 | 55 | 2 | <2 | <100 | 31 | 15 | <0.5 | 9 | 99 | 7 | <5 |
| AR-95-063 | 0.5 | 0.01 | <0.01 | 47 | 3 | <2 | <100 | 24 | 16 | <0.5 | 12 | 70 | 7 | <5 |
| AR-95-064 | 0.4 | 0.01 | <0.01 | 57 | 3 | <2 | <100 | 34 | 22 | <0.5 | 7 | 120 | 11 | <5 |
| AR-95-066 | 0.5 | 0.01 | <0.01 | 49 | 2 | <2 | <100 | 31 | 10 | <0.5 | 9 | 110 | 8 | <5 |
| AR-95-067 | 0.5 | 0.00 | <0.01 | 69 | 3 | <2 | <100 | 40 | 28 | <0.5 | 5 | 120 | 12 | <5 |
| AR-95-068 | 0.4 | 0.01 | <0.01 | 61 | 3 | <2 | <100 | 40 | 24 | <0.5 | 9 | 99 | 10 | <5 |
| AR-95-069A | 0.3 | 0.01 | <0.01 | 17 | 0 | <2 | <100 | 10 | 6 | <0.5 | 16 | 27 | 3 | <5 |
| AR-95-069 | 0.4 | 0.01 | <0.01 | 33 | 2 | <2 | <100 | 22 | 9 | <0.5 | 14 | 74 | 6 | <5 |
| AR-95-070 | 0.6 | 0.01 | <0.01 | 35 | 2 | <2 | <100 | 22 | 9 | <0.5 | 12 | 50 | 5 | <5 |
| *mean* | 0.4 | 0.01 | <0.01 | 41 | 2 | <2 | <100 | 25 | 14 | <0.5 | 11 | 76 | 7 | <5 |
| **Similar to above except with abundant quartz and calcite-quartz veining** | | | | | | | | | | | | | | |
| AR-95-065 | 0.2 | 0.01 | <0.01 | 48 | 3 | <2 | <100 | 25 | 7 | <0.5 | 10 | 70 | 6 | <5 |
| **Gossanous pelitic rocks** | | | | | | | | | | | | | | |
| AR-95-001 | 0.2 | <0.01 | <0.01 | <10 | 2 | <2 | <100 | 10 | 80 | <0.5 | 0 | 17 | 4 | <5 |
| AR-95-008 | 0.1 | <0.01 | <0.01 | <10 | 0 | <2 | <100 | 15 | 99 | <0.5 | 0 | 17 | 3 | <5 |
| AR-95-014 | 1.2 | <0.01 | <0.01 | 27 | 2 | <2 | <100 | 21 | 33 | <0.5 | 0 | 51 | 4 | <5 |
| AR-95-706 | 0.0 | <0.01 | <0.01 | <10 | 2 | <2 | <100 | 7 | 3 | <0.5 | 1 | 68 | 5 | <5 |
| *mean n=4* | 0.4 | <0.01 | <0.01 | 10 | 2 | <2 | <100 | 13 | 54 | <0.5 | 0 | 38 | 4 | <5 |

# Albert River Property
## Rock Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | ICP Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Argillaceous limestone and calcareous shale: chip samples over total of 261 metre section** | | | | | | | | | | | |
| AR-95-050 | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| AR-95-051 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| AR-95-052 | <10 | 1 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| AR-95-053 | <10 | 2 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| AR-95-054 | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| AR-95-055 | <10 | 2 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| AR-95-056 | <10 | 2 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| AR-95-057 | <10 | 2 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| AR-95-058 | <10 | 4 | <200 | <20 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| AR-95-059 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| AR-95-060 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| AR-95-061 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| AR-95-062 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| AR-95-063 | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| AR-95-064 | <10 | 4 | <200 | <20 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| AR-95-066 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| AR-95-067 | <10 | 4 | <200 | <20 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| AR-95-068 | <10 | 5 | <200 | <20 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| AR-95-069A | <10 | 1 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| AR-95-069 | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| AR-95-070 | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| *mean* | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| **Similar to above except with abundant quartz and calcite-quartz veining** | | | | | | | | | | | |
| AR-95-065 | <10 | 4 | <200 | <20 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| **Gossanous pelitic rocks** | | | | | | | | | | | |
| AR-95-001 | <10 | 2 | <200 | 26 | 0 | <10 | 0 | <20 | 39 | 4 | <5 |
| AR-95-008 | <10 | 3 | <200 | 25 | 0 | <10 | 0 | <20 | 42 | 10 | <5 |
| AR-95-014 | <10 | 3 | <200 | <20 | 0 | <10 | 0 | <20 | 20 | 11 | <5 |
| AR-95-706 | 12 | 1 | <200 | <20 | 0 | 23 | 0 | <20 | 12 | 3 | <5 |
| *mean n=4* | <10 | 2 | <200 | *15* | 0 | <10 | 0 | <20 | 28 | 7 | <5 |

Project 563

File: 563\selectrx.wk1

# Albert River Property
# Rock Sample Analyses
**selected samples**

Report Date: 95.12.05
Reference: various

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | CV-AA Hg ppb | SIE F ppm | INAA Ba ppm | ICP Ba ppm | INAA Br ppm | ICP Pb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

A. Enrichment factor of selected metals in scheelite-bearing rock, compared to limestones and shales

| INAA W | ICP W | INAA Au | INAA As | ICP As | INAA Sb | ICP Sb | INAA Mo | ICP Mo | CV-AA Hg | SIE F | INAA Ba | ICP Ba | INAA Br | ICP Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8200 | | *10* | 6 | 11 | 75 | 30 | 45 | 1.0 | 20 | 9 | 12 | | 115 | 20 |

**Significantly enriched (> 5 times) in W, Br, Sb, Zr/Hf, Mo, U, Hg, Pb, Ba, Au, As, F, Ag**

B. Enrichment factor of selected metals in copper-bearing rock, compared to limestones and shales

| INAA W | ICP W | INAA Au | INAA As | ICP As | INAA Sb | ICP Sb | INAA Mo | ICP Mo | CV-AA Hg | SIE F | INAA Ba | ICP Ba | INAA Br | ICP Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 85 | | | 1 | 2 | 0.4 | | 8 | 1.0 | 2 | 1 | 1 | | 2 | 0.1 |

**Significantly enriched (> 5 times) in W, Cu, Cr, Mo, Ag, U**

C. Enrichment factor of selected metals in gossanous pelitic rock, compared to limestones and shales

| INAA W | ICP W | INAA Au | INAA As | ICP As | INAA Sb | ICP Sb | INAA Mo | ICP Mo | CV-AA Hg | SIE F | INAA Ba | ICP Ba | INAA Br | ICP Pb |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | | 5 | | 45 | 8 | | | 0.6 | | 2 | 30 |

**Significantly enriched (> 5 times) in Mo, Pb, Co, Fe, Cu**

# Albert River Property
## Rock Sample Analyses (part 2)

| Sample ID | INAA U ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | INAA Zn ppm | ICP Zn ppm | ICP Cu ppm | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**A. Enrichment factor of selected metals in scheelite-bearing rock, compared to limestones and shales**

| INAA U | INAA Hf | INAA Zr | ICP Zr | INAA Zn | ICP Zn | ICP Cu | INAA Ag | ICP Ag | ICP Mn | INAA Ni | ICP Ni | INAA Co | ICP Co | INAA Cr | ICP Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 35 | 140 | *30* | | | 4 | 1.5 | | 8 | 1.0 | | 0.5 | | 0.5 | | 1.7 |

**B. Enrichment factor of selected metals in copper-bearing rock, compared to limestones and shales**

| INAA U | INAA Hf | INAA Zr | ICP Zr | INAA Zn | ICP Zn | ICP Cu | INAA Ag | ICP Ag | ICP Mn | INAA Ni | ICP Ni | INAA Co | ICP Co | INAA Cr | ICP Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7 | | | | | 1 | 71 | | 8 | 0.5 | | 0.6 | | 0.5 | | 9 |

**C. Enrichment factor of selected metals in gossanous pelitic rock, compared to limestones and shales**

| INAA U | INAA Hf | INAA Zr | ICP Zr | INAA Zn | ICP Zn | ICP Cu | INAA Ag | ICP Ag | ICP Mn | INAA Ni | ICP Ni | INAA Co | ICP Co | INAA Cr | ICP Cr |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 | | | | | 2 | 7 | | 5 | 0.5 | | 3 | | 13 | | 2 |

# Albert River Property
## Rock Sample Analyses (part 3)

| Sample ID | ICP Bi ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm | INAA Th ppm | ICP V ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**A. Enrichment factor of selected metals in scheelite-bearing rock, compared to limestones and shales**

| ICP Bi | INAA Cd | ICP Cd | ICP Ga | ICP Li | INAA Th | ICP V | ICP Sr | ICP Ca | INAA Fe | ICP Fe | ICP Mg | ICP Al | ICP K |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 4 | | 0.2 | | 1 | 1.4 | | 0.5 | 0.5 | 0.3 | 0.3 | 0.7 |

**B. Enrichment factor of selected metals in copper-bearing rock, compared to limestones and shales**

| ICP Bi | INAA Cd | ICP Cd | ICP Ga | ICP Li | INAA Th | ICP V | ICP Sr | ICP Ca | INAA Fe | ICP Fe | ICP Mg | ICP Al | ICP K |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0.1 | 0.1 | 0.1 | 0.4 | | 0.5 | 0.6 | 0.1 | | |

**C. Enrichment factor of selected metals in gossanous pelitic rock, compared to limestones and shales**

| ICP Bi | INAA Cd | ICP Cd | ICP Ga | ICP Li | INAA Th | ICP V | ICP Sr | ICP Ca | INAA Fe | ICP Fe | ICP Mg | ICP Al | ICP K |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | | | 5 | 0.2 | 0.6 | 0.4 | 0.1 | | >5 | >5 | 0.3 | | |

# Albert River Property
## Rock Sample Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppb | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

A. Enrichment factor of selected metals in scheelite-bearing rock, compared to limestones and shales

| INAA Na | ICP Na | ICP Ti | INAA Ce | INAA Cs | INAA Eu | INAA Ir | INAA La | ICP La | INAA Lu | ICP Nb | INAA Rb | INAA Sc | ICP Sc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.2 | | | | | | | 0.3 | 0.2 | | 1.4 | 0.3 | 1 | |

B. Enrichment factor of selected metals in copper-bearing rock, compared to limestones and shales

| INAA Na | ICP Na | ICP Ti | INAA Ce | INAA Cs | INAA Eu | INAA Ir | INAA La | ICP La | INAA Lu | ICP Nb | INAA Rb | INAA Sc | ICP Sc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.3 | | | | | | | 0.3 | 0.3 | | 0.5 | 0.1 | 0.2 | |

C. Enrichment factor of selected metals in gossanous pelitic rock, compared to limestones and shales

| INAA Na | ICP Na | ICP Ti | INAA Ce | INAA Cs | INAA Eu | INAA Ir | INAA La | ICP La | INAA Lu | ICP Nb | INAA Rb | INAA Sc | ICP Sc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | 0.5 | 4 | | 0.1 | 0.5 | 0.6 | |

# Albert River Property
## Rock Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | ICP Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|

<u>A. Enrichment factor of selected metals in scheelite-bearing rock, compared to limestones and shales</u>

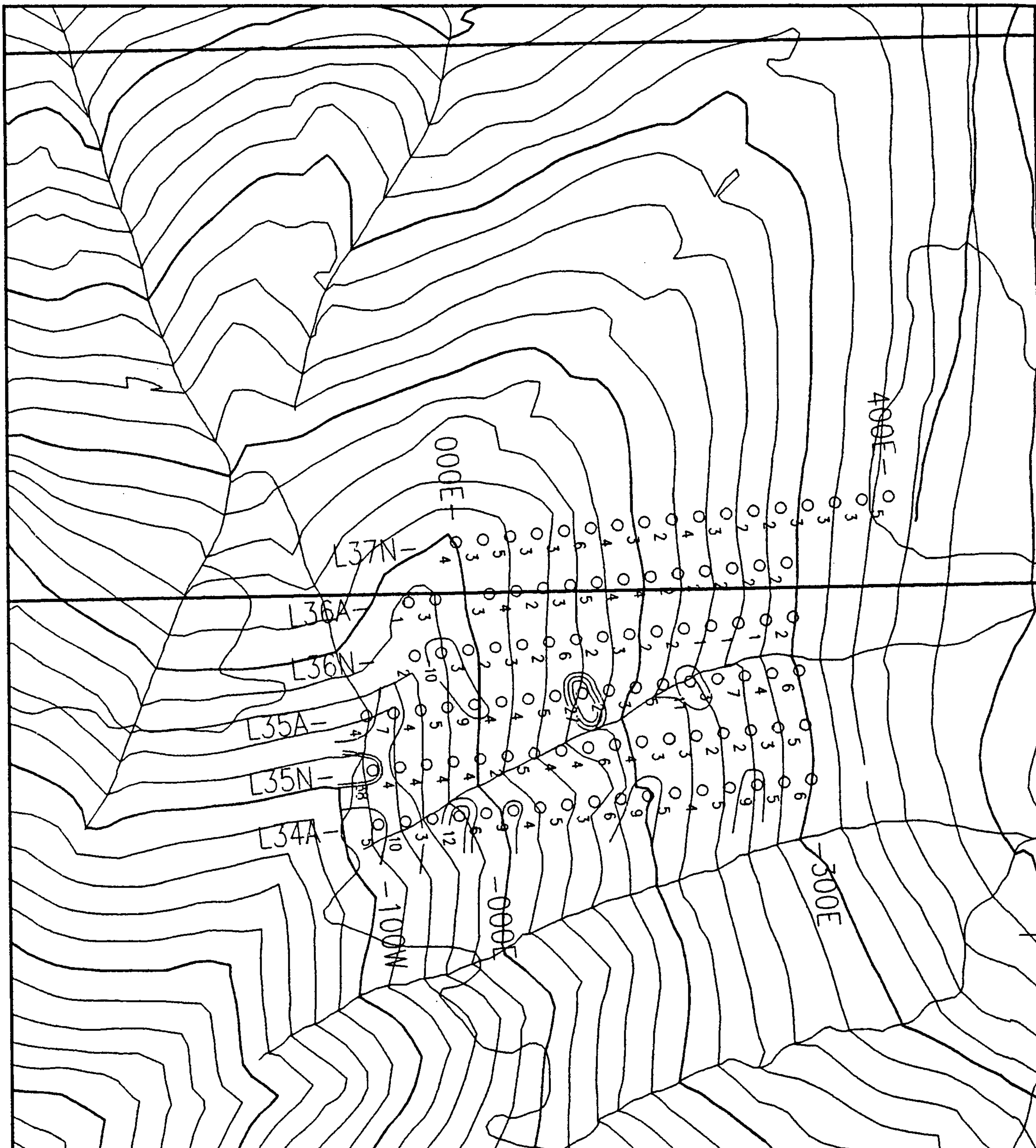
| INAA Se | INAA Sm | INAA Sn | ICP Sn | INAA Ta | ICP Ta | INAA Tb | INAA Te | ICP Te | ICP Y | INAA Yb |
|---|---|---|---|---|---|---|---|---|---|---|

<u>B. Enrichment factor of selected metals in copper-bearing rock, compared to limestones and shales</u>

| INAA Se | INAA Sm | INAA Sn | ICP Sn | INAA Ta | ICP Ta | INAA Tb | INAA Te | ICP Te | ICP Y | INAA Yb |
|---|---|---|---|---|---|---|---|---|---|---|

<u>C. Enrichment factor of selected metals in gossanous pelitic rock, compared to limestones and shales</u>

| INAA Se | INAA Sm | INAA Sn | ICP Sn | INAA Ta | ICP Ta | INAA Tb | INAA Te | ICP Te | ICP Y | INAA Yb |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | ? | | | | | | | |




## LEGEND

○ 5 Sample location

Values shown in parts per billion mercury

Values are average of two analysis

Values contoured at 7,12, & 20 ppb mercury

0 50 100 150

METRES

DISCOVERY Consultants

DIA MET MINERALS LTD.

GOLDTEX RESOURCES LTD.

ALBERT RIVER PROPERTY

MERCURY VAPOUR VALUES

| | |
|---|---|
| DATE: Aug. 30/1995 | SCALE: 1:5000 |
| PROJECT: 563 | 82J/12E |
| FIGURE: 27 | GOLDEN MINING DIVISION |

## GEOPHYSICS

The magnetic, VLF-electromagnetic, gravity and hammer reflection seismic geophysical surveys have been summarized in a report by P. Nielsen (Appendix J). Also appended are a report with maps on the seismic survey by J. Cooksley (Appendix I) and a gravity report with maps by MWH Geo-Surveys (Appendix K).

Three representative rock samples were collected along line 5N for specific gravity determinations. The rock was crushed and returned values ranging from 2.48 to 2.63 g/cm$^3$ (Appendix L). The average of 2.55 g/cm$^3$ was reduced to 2.5 to allow for minor porosity, The gravity profiles were plotted using the 2.5 g/cm$^3$ value (Appendix K).

Gravity modelling (Appendix K) by MWH Geo-Surveys has indicated the following:

- assumed the specific gravity of sedimentary rocks: 2.5 g/cm$^3$
- assumed specific gravity of igneous rocks: 2.7 g/cm$^3$

Case 1: pluton at 500 m depth

- resultant Bouguer anomaly is about 4 milligals

Case 2: pluton at 1000 m depth

- resultant Bouguer anomaly is about 3 milligals

These model anomalies have significantly larger amplitude than the slight, one milligal anomaly on line 5N, spanning stations 104 to 108.

Calculations of terrain correction have been made for line

5N (Appendix M). The corrections for zone E (170 m and 390 m radii) for stations 104 to 108 range from 2.1 to 2.9 milligals. The corrected Bouguer values show a trend to a straight line, that is, to the regional trend. Some corrections have been made for zone H (1530 m and 2615 m radii) and the trend to the regional continues.

The interpreted seismic sections show a postulated intrusion at 300 m to 600 m depth which is "based solely on the lack of coherent signal" (Cooksley). Possible vertical, near surface apophyses are interpreted at station 10 and 25 on line A and at station 45 on line B.

# DISCUSSION and CONCLUSIONS

Geochemistry and prospecting have proved useful in discovering and delineating tungsten, gold and base metal anomalies and mineralization.

Although no skarn mineralization has been discovered, tungsten-bearing veins, anomalous in gold and other metals, indicate a potential for skarn mineralization near a postulated igneous stock at depth. However, the geophysical surveys have not indicated an intrusion or skarn drill target at depth.

## Geology and Mineralization

- The economic mineral target on the Albert River property is a tungsten skarn, with associated gold and possibly other metals, at depth and close to an igneous stock.
- The tungsten-bearing calcite veins, the copper-bearing quartz veins and the gold mineralized fault zone have not been the focus of this exploration program, as their economic potential is significantly less than a tungsten skarn.
- No skarns or plutons have been discovered in exploration on the property.
- The aphanitic dykes, presumably related to a plutonic source, have not been satisfactorily classified; they may be syenitic igneous rocks.

- The presence of high temperature (upper greenschist to amphibolite) metamorphic rocks suggests that igneous rocks may be proximal. However, these metamorphic rocks are restricted in extent and therefore are not indicative of widespread plutonism at depth.
- The tungsten-bearing veins, the aphanitic dykes and the possible contact metamorphic rocks are possibly peripheral to a skarn.
- However, Norris postulates that thrusting (Albert Fault) may post-date intrusive activity; in which case, the above veins, dykes, metamorphism and possibly the upper parts of a pluton and skarn may have been tectonically transported eastward, with the root intrusion and skarn remaining some distance to the west. The lack of tungsten anomalies, veining and dykes in the lower plate rocks supports this viewpoint.
- The presence of an intrusive stock a few kilometres northerly along strike (C. Fipke, personal communication) may discount Norris' hypothesis; however, the geological position of the intrusion is not known.

Geochemistry and Prospecting

- Prospecting and soil and talus fines sampling in anomalous drainages are effective tools in locating mineralization.
- Prospecting, soil/talus fines geochemistry and rock geochemistry have led to the discovery in outcrop of

tungsten-bearing calcite veins, which are also anomalous in gold. In addition to the main anomaly, centred on line 2975N, there are two other tungsten soil/talus fines anomalies (lines 2600N, 500N) which are probably due to outcroppings/subcroppings of tungsten mineralization.

- Mapping, soil geochemistry and rock geochemistry have led to the discovery of anomalous gold, tungsten and mercury values associated with veining in a fault zone, possibly the Albert Fault. This zone, between lines 3200N and 3300N is likely the source of anomalous gold in stream sediments.
- The mercury vapour method may be useful in locating mineralized zones, but no significant trends or anomalies are present in the small survey area. Standard geochemical analyses of soils for mercury may be effective in locating mineralization at a significantly lower cost, but no comparative studies have been done.
- This mercury vapour method can be more useful in areas of thick overburden where dispersion from a small source area can be detected as a large halo on surface. On most of the Albert River property, where the soils are thin and are generally directly related to local bedrock, standard soil analysis for mercury is recommended. However, the vapour method may be useful in areas of talus, provided a suitable soil horizon is present.
- The copper-bearing quartz veins and metal-rich gossanous pelitic beds appear to be the sources for the base metal

anomalies in stream sediments.

- The elevated metal values in the tungsten-bearing veins indicate an igneous source.

Geophysical Surveys

- See the report by P. Nielsen for additional information on the geophysical surveys.
- The geophysical surveys (magnetic, VLF-electromagnetic, gravity and seismic) do not indicate an intrusion or skarn at depth.
- Gravity modelling of a postulated buried pluton indicates an anticipated 3 to 4 milligal anomaly, assuming a 0.2 $g/cm^3$ density contrast between the sedimentary rocks and a postulated pluton.
- After terrain corrections, there are no gravity anomalies of 1.0 milligal or greater.
- Terrain corrections on the gravity "anomaly" on line 5N show that the values are likely within background, the higher values being caused by large elevation differences.
- When considering future exploration, the problems of interpreting subtle gravity anomalies in mountainous terrain should be taken into account. Also, single line surveys are difficult to interpret.

- Note that if the density of the sedimentary rocks and a pluton are the same, a gravity survey will not detect the pluton.
- The three gravity lines were run in the vicinity of the three most promising targets; the possible contact metamorphic zone (South Lake), the area of most interesting magnetic values (line 5N), and a tungsten-bearing vein (line 31N).
- For the seismic survey, this report concludes that the seismic profiles likely indicate weak signal penetration, not the absence of layered rocks due to an igneous stock.
- The seismically interpreted near surface dykes are not supported by geological or other geophysical surveys, although these other surveys may not be sufficiently detailed to have delineated dykes.
- A massive pluton, regardless of density contrast, should have been detected in a well layered sedimentary sequence by a seismic survey, assuming a sufficient energy source is used.

## RECOMMENDATIONS

It is recommended that exploration for tungsten skarn mineralization should continue on the Albert River property, in an attempt to define specific drill targets.

The focus of exploration should be to locate the source of the tungsten veins, believed to a pluton at depth.

Cooksley recommends the use of "high energy explosives for the seismic source" to test for the postulated intrusion.

Nielsen recommends a limited detailed magnetic and electromagnetic survey centred on about 150N/500E, over the area "still considered to be the best target for the postulated buried intrusion."

The Cooksley and Nielsen recommendations would provide useful geophysical data to indicate the absence or presence of a buried pluton. The areas of follow-up geophysical surveys should be geologically mapped.

Possible drilling for geological information should be done near the centre of the tungsten-anomalous cirques.

Respectfully submitted,
DISCOVERY CONSULTANTS

PROFESSIONAL GEOLOGIST
PROVINCE OF BRITISH COLUMBIA
W. R. GILMOUR

W.R. Gilmour, P.Geol.

K.L. Daughtry, P.Eng.

## REFERENCES


| | |
|---|---|
| Benmore, G. | Geochemical Report on the Albert River Property, 1991 |
| Blusson, S.L. | Informal geological map and cross-section of Albert River Property, 1982 |
| Blusson, S.L. et al. | Supplement to K.E. Northcote's report, 1984 |
| B.C. Geological Survey | 082J Kananaskis map sheet, Minfile, 1991 |
| Bruaset, R.V. | Albert River Property, Proposal for work, July 1994 |
| -- | Progress Report on Rock Geochemical Survey on the Barbi mineral Claim, August 1994, with Addendum November 1994 |
| Carlson, J. | Letter, re: Albert River Property, 1994 |
| Carpenter, T.H. | Geochemical and Geological Assessment Report on the Ash, Barbi and Rachel claims, 1992 |
| Cooksley, J.W. | Reflection Seismic Survey at Albert River Property, 1995 |
| Daughtry, K.L. | Report on the Albert River Property of Dia Met Minerals Ltd. for N. Pedafronimos, 1995 |
| Fipke, C.E. | Report on Albert River Tungsten Property, 1990 |
| -- | Geophysical Report on the Albert River Property, 1990 |
| -- and Suggitt, J.C. | Report on Albert River Tungsten Property, 1987 |
| Fritz, W.H. et al. | Cambrian to Middle Devonian assemblages: in Geology of the Cordilleran Orogen in Canada, Geol. Surv. Can., Geology of Canada, no. 4, 1991 |
| Geological Survey of Canada | Kananaskis Lake W½, Open File 634 |

| | |
|---|---|
| Harris, J.F. | Report on thin section examination of two rock samples, 1995 |
| Hogg, R.L.S. | Helicopter Magnetic Survey, Golden, B.C., The Superior Oil Company, by Aerodat Ltd, 1981 |
| McCallum, M.E. | Geological evaluation of the NW corner of the Dia Met Minerals Ltd. Barbi claim block, 1994 |
| Morin, J.A. (ed) | Mineral Deposits of the Northern Cordillera, CIMM Sp Vol 37, 1986 |
| Nielsen, P.P. | Geophysical Report on the Albert River Tungsten Property, 1985 |
| -- | Geophysical Report on the Albert River Property, 1995 |
| Northcote, K.E. & Gower, S.C. | Report on Albert River Tungsten Property, 1983 |
| Owen, S. | East Kootenay Land Use Plan, Commission on Resources and Environment, 1994 |
| Payne, J.G. | Report on thin section examination of rock sample, 1995 |
| Schiller, E.A. | Geophysical Report on the Albert River claims, 1987 |
| -- | Geological Progress Report on the Albert River claims, 1988 |

# STATEMENT OF QUALIFICATIONS

I, WILLIAM R. GILMOUR, of Vernon, British Columbia, DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist in mineral exploration.

2. I have been practising my profession for twenty five years in Canada and the United States.

3. I am a graduate of the University of British Columbia, with a Bachelor of Science degree in Geology.

4. I am registered as a Professional Geoscientist with the Association of Professional Engineers and Geoscientists of British Columbia, as a Professional Geologist with the Association of Professional Engineers, Geologists and Geophysicists of the Northwest Territories, and a Fellow of the Geological Association of Canada and a member of the Association of Exploration Geochemists.

5. I am the author of this report which is based upon an examination of the Albert River property, on studies of the available published and unpublished reports and data on the property and surrounding area, and planning and supervision of the exploration program.

Dated at Vernon, B.C., this 5th day of February, 1996.

PROFESSIONAL PROVINCE OF W. R. GILMOUR BRITISH COLUMBIA GEOSCIENTIST

W.R. Gilmour, P.Geo.

## STATEMENT OF QUALIFICATIONS

I, KENNETH L. DAUGHTRY, of Vernon, British Columbia, DO HEREBY CERTIFY THAT:

1. I am a Consulting Geologist in mineral exploration.
2. I have been practising my profession for thirty years.
3. I am a graduate of Carleton University, Ottawa, with a Bachelor of Science degree in Geology and Chemistry.
4. I am a member of the Associations of Professional Engineers & Geoscientists of British Columbia, the Associations of Professional Engineers of Ontario, and Yukon Territory, and a Fellow of the Geological Association of Canada and a member of the Association of Exploration Geochemists.
5. I am a co-author of this report which is based upon a thorough review of all available data and reports on the Albert River property and surrounding area.

Dated at Vernon, B.C., this 5th day of February, 1996.

K.L. Daughtry, P.Eng.

## STATEMENT OF COSTS

Professional Services

| | | |
|---|---|---|
| K.L. Daughtry & Associates Ltd. | | |
| 4.9 days @ $450/day | $ 2,205.00 | |
| W.R. Gilmour & Associates Ltd. | | |
| 37.75 days @ $400/day | 15,100.00 | |
| T. Carpenter | | |
| 2 days @ $332/day | 664.00 | |
| D. Duba | | |
| Office | | |
| 3.25 days @ $320/day | 1,040.00 | |
| Field | | |
| 21.50 days @ $368/day | 7,912.00 | |
| D. Norris | | |
| 1 day @ $340.80/day | 340.80 | $ 27,261.80 |

Field Personnel

| | | |
|---|---|---|
| J. Osterhagen - expediting, soil sampling | | |
| July 12 - August 23 | | |
| 26.5 days @ $317/day | 8,400.50 | |
| C. Pyett - soil & talus sampling | | |
| July 28 - 31 | | |
| 4 days @ $300/day | 1,200.00 | |
| C. Ulanski - soil, talus & rock sampling | | |
| July 28 - August 16 | | |
| 20 days @ $274/day | 5,480.00 | |
| J. Cumberland - soil & talus sampling | | |
| July 28 - August 16 | | |
| 20 days @ $274/day | 5,480.00 | |
| R. Anctil - expediting, rock sampling, geophysics, soil sampling | | |
| July 28 - Sept. 15 | | |
| 29.5 days @ $256/day | 7,552.00 | |
| D. Wager - soil & talus sampling | | |
| August 2 - 16 | | |
| 15 days @ $274/day | 4,110.00 | |
| C. Furlong - soil & talus sampling, geophysics2 | | |
| Sept. 8 - 22 | | |
| 13 days @ $256/day | 3,328.00 | 35,550.50 |

Field Personnel (cont.)

| | | |
|---|---|---|
| S. Emerson - soil & talus sampling<br>July 28 - August 15<br>8 days @ $200/day | 1,600.00 | |
| M. Beenen - soil sampling<br>Sept. 23 & 24<br>2 days @ $223/day | 446.00 | |
| A. Wardwell - seismic, expediting & soil sampling<br>21 days @ $283/day | 5,943.00 | 7,989.00 |

Sub-Contracting

| | | |
|---|---|---|
| Cooksley Geophysics Inc. | 57,866.73 | |
| MWH Geo-Survey Ltd. | | 5,500.00 |
| P.P. Nielsen | 11,621.16 | 74,987.89 |

Transportation

| | | |
|---|---|---|
| Truck (mob/demob) | 7,305.10 | |
| Helicopter | 50,028.18 | 57,333.28 |

| | | |
|---|---|---|
| Lodging & Meals | | 20,229.54 |

Geochemical Analysis

| | | |
|---|---|---|
| a) Soil Samples<br>Sample Preparation<br>723 @ $1.75 | 1,265.25 | |
| Sample analysis<br>Au+33 element INAA<br>723 @ $13.25 | 9,579.75 | |
| Sample analysis<br>34 element - Aqua Regia<br>723 @ $6.20 | 4,482.60 | |
| b) Rock Samples<br>Sample Preparation<br>126 @ $5.00 | 630.00 | |
| Sample analysis<br>Au+33 element INAA<br>125 @ $13.25 | 1,656.25 | |
| Cu analysis<br>1 sample @ $1.60 | 1.60 | |

Geochemical Analysis (cont.)

| | | |
|---|---|---|
| Mercury Vapour Analysis (S. Emerson) | 2,112.00 | |
| Sample analysis 34 element - Aqua Regia/ICP 126 @ $6.20 | 781.20 | |
| Mercury Analysis 54 samples @ $4.00 | 216.00 | |
| Fluoride analysis 49 samples @ $6.24 | 305.76 | |
| Whole Rock Analysis 4 @ $20.80 | 83.20 | 21,113.61 |
| Sample Shipment | | 225.70 |
| Drafting | | 6,859.50 |
| Data Compilation, secretarial | | 7,747.59 |
| Field Supplies and Equipment rental | | 5,653.37 |
| Data processing, telephone, shipping, printing | | 4,330.62 |
| Vancouver Petrographic Ltd. - Petrographic examination | | 308.50 |
| Management Fee | | 11,986.04 |
| | Total | $ 281,576.90 |

# APPENDIX A

**TABLE 2**

Albert River: Rock Sample Descriptions

| | |
|---|---|
| AR-95-001 | Extremely rusty, gossanous Fe-oxidized calcareous slate |
| AR-95-002 | Finely laminated calcareous siltstone and silty limestone, some quartz-calcite veining; sample length 14.5 metres |
| AR-95-003 | Quartz-calcite vein, foliation parallel, weak rusty staining |
| AR-95-004 | Float; greyish-green, pyritic (1-2%), aphanitic dyke/sill |
| AR-95-005 | Quartz-calcite vein, mostly bedding parallel, about 2 m width, Fe-oxide staining (after pyrite?) |
| AR-95-006 | Quartz-calcite vein, 35 cm width, bedding parallel to oblique |
| AR-95-007 | Float; limestone breccia |
| AR-95-008 | Float; gossanous slate |
| AR-95-009 | Fe-oxide altered dolomitic limestone-quartz-calcite breccia |
| AR-95-010 | Quartz-calcite lens, to 15 cm wide, foliation parallel, brecciated, weak Fe-oxide staining |
| AR-95-011 | Quartz-calcite vein, 0.75 m wide, oblique to foliation |
| AR-95-012 | Greyish-green, porphyritic, aphanitic dyke/sill, 1% pyrite cubes |
| AR-95-013 | Quartz-calcite vein intruding the aphanitic, siliceous dyke/sill (AR-95-12), trend 175°/82W |
| AR-95-014 | Float; extremely oxidized, gossanous siltstone |
| AR-95-015 | Float; dark grey, crystalline, coarse grained limestone, cut by narrow calcite veinlets |
| AR-95-016 | Grey-green, aphanitic, felsic and pyritic dyke/sill |
| AR-95-017 | Quartz-calcite vein at the dyke contact, 20 cm wide, brecciated, some rusty stained fracture surfaces, trend 165°/80W |
| AR-95-018 | Quartz-calcite-fluorite? vein, bedding parallel |

AR-95-019 Brecciated quartz-calcite vein, 30 cm wide, roughly foliation parallel, pinch and swell texture, Fe-oxide stained

AR-95-020 Aphanitic, greyish-green, dyke, 1-2% fine to coarse pyrite

AR-95-021 Quartz-calcite vein intruding aphanitic dyke (AR-95-20), slightly rusty stained

AR-95-022 Float; rusty stained, pyritic shale

AR-95-023 Float; carbonaceous shale, Fe-oxide stained quartz breccia

AR-95-024 Quartz-calcite vein, to 30 cm wide, foliation parallel, minor rusty staining

AR-95-025 Weakly Fe-oxide stained quartz-calcite vein, 25 cm in width, foliation parallel

AR-95-026 Slightly rusty quartz-calcite vein, foliation parallel, exposed over 10 metre length

AR-95-027 Quartz-calcite lens in Fe-oxide altered slate

AR-95-028 Quartz-calcite vein, foliation parallel, to 40 cm wide, exposed over 7-9 metre length

AR-95-029 Float; calcite-scheelite (2-3%)-fluorite (2%) with fragments of Fe-oxide stained siltstone

AR-95-030 Interbedded argillaceous limestone and calcareous shale, minor quartz-calcite veining (1-2 cm in width); 5.5 m width

AR-95-031 Interbedded argillaceous to silty limestone with calcareous slate, some quartz-calcite lenses; 6.5 m width

AR-95-032 Argillaceous limestone and calcareous slate, minor quartz-calcite veining; 6.5 m width

AR-95-033 Grab sample; brecciated quartz-calcite vein, 5 cm wide, foliation parallel, no visible sulphides

AR-95-034 Argillaceous limestone and calcareous slate, rare narrow quartz-calcite veinlets; 7 m width

AR-95-035 Interbedded argillaceous limestone with calcareous slate; 6.5 m width

AR-95-036 Interbedded silty limestone and calcareous slate; 6.5 m width

AR-95-037 Argillaceous to silty limestone interbedded with calcareous slate; 5 m width

AR-95-050 interbedded sandy limestone and calcareous shale (about 50-50); 7.7 m width

AR-95-100 top of 95-51; quartz vein, about 5 cm wide slightly rusty (335/74W), calcareous shale host

AR-95-051 mostly calcareous shale, some quartz veining; 3-5 cm wide, on foliation planes; 4.8 m width

AR-95-052 interbedded argillaceous to silty limestone and lesser calcareous shale (80% limestone, 20% shale), calcite veining; 9.0 m width

AR-95-101 top of 95-53; calcite vein in silty limestone; creamy to off-white

AR-95-053 silty limestone interbedded with calcareous shale, lower 4 m dominantly calcareous shale; 10.0 m width

AR-95-102 top of 95-54;quartz-creamy calcite vein;  foliation parallel @ 335/80W; 8cm wide

AR-95-054 80% of the section is calcareous shale; Fe-oxide altered weathering surface; 8.2 m width

AR-95-055 dominantly sandy to silty limestone, about 15% calcareous shale (in the lower end of the sample); 13.5 m width

AR-95-056 rusty-brown Fe-oxide weathering silty to argillaceous limestone interbedded with calcareous shale (about 60% limestone, 40% shale); 13.7 m width

AR-95-057 argillaceous limestone with abundant silty to sandy rusty brown weathered interlayers (dolomitic), also calcareous shale (70% limestone, 30% shale); 13.7 m width

AR-95-103 top of 95-58; quartz-calcite vein with fragments of brecciated limestone; foliation parallel; trend 355/60W

AR-95-058 argillaceous to sandy limestone interbedded with calcareous shale, quartz-calcite veining (40% limestone, 60% shale), some limestone nodules in shale; 14.0 m width

AR-95-059 dominantly calcareous shale with lesser silty to argillaceous limestone, also limestone nodules in calcareous shale (limestone 25%, shale 75%); 12.5 m width

AR-95-060 dominantly calcareous shale interbedded with silty limestone, some rusty brown weathering (dolomitic); 10.0 m width

AR-95-061 silty limestone interbedded with calcareous shale; shale is the dominant component 70%, limestone 30%; 8.0 m width

AR-95-062 dominantly calcareous shale with argillaceous limestone interbeds, rusty Fe-oxide alteration, dolomitic? (shale 65-75%); 12.8 m width

AR-95-063 argillaceous to silty limestone, limestone-nodular shale and calcareous shale; 12.3 m width

AR-95-104 top of 95-64; quartz with minor calcite vein; rusty Fe-oxide altered

AR-95-064 limestone, nodular calcareous shale; 11.1 m width

AR-95-065 argillaceous to silty limestone interbedded with calcareous shale, abundant quartz and quartz-calcite veining; 18.2 m width

AR-95-105 top of 95-66; rusty, Fe-oxide altered quartz vein

AR-95-066 dominantly calcareous shale, lesser argillaceous limestone; 12.0 m width

AR-95-067 limestone-nodular calcareous shale; the same as 95-64; 14.6 m width

AR-95-068 calcareous shale with minor argillaceous limestone; 21.9 m width

AR-95-069A 44m gap between bottom of 95-68 and 95-69A; dominantly argillaceous limestone interbedded with calcareous shale (limestone 70%, shale 30%); 18.3 m width

AR-95-069 dominantly argillaceous limestone interbedded with calcareous shale (limestone 80-85%, shale 10-15%); 18.3 m width

AR-95-070 interbedded argillaceous limestone and calcareous shale; (limestone 80%, shale 20%); 14.6 m width

AR-95-700 talus; 3000N/0075W; quartz and calcite veining

AR-95-701 talus; 3125N/100W; small brownish/black cubic mineral within quartz veining, very little calcite

AR-95-702 talus; 3050N/100W; dark brown/black mineral throughout quartz

AR-95-703 talus; 2975N/135W; quartz, calcite; black/brown euhedral cubic mineral (scheelite)

AR-95-704 talus; 3000N/125W; fluorite bearing calcite ± quartz; brown/black mineral (scheelite)

AR-95-705 talus; 3025/150W; crystalline sedimentary host rock - silicified argillite? with small quartz veining, largest 0.5 cm; cubic, brownish coppery colored weathered pyrite, up to 1 cm across.

AR-95-706 talus; 2950N/150W; rusty shale

AR-95-707 talus; 3025N/275W; massive fluorite in carbonate vein, minor scheelite

AR-95-708 talus; 3075N/275W; silicified calcareous shale with a band of pyrite as well as areas of pyrite flooding

AR-95-709 talus; 3150N/285W; shale/argillite, iron oxide weathering

AR-95-710 talus; 3000N/290W; boulder 30 cm across; calcite, fluorite and scheelite

AR-95-711 talus; 3175N/300W; small blebs of chalcopyrite within quartz/calcite vein; pyrite very oxidized - red colour

AR-95-712 talus; 3200N/325W; weathered, altered quartz veins; Fe oxides

AR-AR-713 talus; 3025N/325W; fluorite and scheelite in calcite veins

AR-95-714 3240N/050W; quartz and calcite veins on ridgetop bluff; iron oxide weathering possibly some alteration; chalcopyrite

AR-95-715 3225N/050W; same vein system as AR-714-R as vein strikes down along line; weathered oxides and some chalcopyrite 10-15cm wide, dipping steeply west (~60°) not very much mineralization, dark brown mineral

AR-95-800 talus; 2990N/175W; calcite veining with abundant limonite in vugs/voids in contact with dark grey limestone

AR-95-801 talus; 2930N/175W; dark grey calcareous chlorite shale with abundant tarnished pyrite cubes; calcite with scheelite crystals

AR-95-802 talus; 3000N/175W; calcite vein with brown blebs of scheelite

AR-95-803 talus; 3015N/175W; calcite vein with brown blebs of scheelite & purple fluorite - disseminated through calcite or in blebs

AR-95-804 talus; 3020N/175W; calcite vein with brown crystalline scheelite

AR-95-805 talus; 3050N/175W; quartz vein with calcite (cream colour); limonite, minor chlorite and sericite

AR-95-806 talus; 3125N/175W; quartz fragment with chalcopyrite; blebs of chalcopyrite in quartz, trace malachite rim

AR-95-807 talus; 3160N/175W; quartz veining with limonite oxidized pyrite, and malachite

AR-95-809 talus, 2990N/200W; calcite vein with limonite & scheelite

AR-95-810 talus; 2925N/215W; calcite vein boulder with fluorite & scheelite

AR-95-811 talus; 3035N/225W; brecciated calcite vein with clasts of buff, rusty coloured shale fragments; with crystalline brown scheelite; 3 m uphill, ~35 cm thick swelled vein of similar brecciated calcite has minor blebs of scheelite in outcrop

AR-95-812 3035N/225W; shale - rusty, dark grey, probably calcareous with calcite & brown and orange brown limonite and other Fe oxides, black metallic mineral along one face.

AR-95-813 3080N/225W; argillaceous limestone, dark grey with sulphides mostly fresh pyrite blebs as well as tarnished red with possible other sulphides; scheelite

AR-95-814 talus; 3115N/225W; calcite vein, 2 - 3 cm thick; fragment mineralized on face with pyrite concentrations

AR-95-815 talus; 3140N/225W; quartz vein fragment with malachite disseminated or in spots through sample; pyrite blebs or cubes also present

AR-95-816 talus; 3220N/250W; abundant quartz fragments in float with extensive pyrite mostly oxidized to limonite or other Fe oxides; suspect talus falls from a discernible bull quartz vein in cliffs

AR-95-817 talus; 3090N/250W, quartz vein ~8 cm thick; calcite in limonitic shale; malachite stain on the quartz

AR-95-818 talus; 3065N/250W; quartz vein, ≈3 cm thick with gosson/limonitic lined vug; trace black metallic mineral in close association or contact with limonite - magnetite(?); fine laminated black shale with sericite on slickensides and rusty oxidized pyrite; trace oxidized pyrite cube in calcite inclusions

AR-95-819 talus; 3028N/250W; quartz & calcite vein fragment resting on limestone ledge (bedrock); high grade scheelite with fluorite

AR-95-820 talus; 2965N/350w; calcite fragment with traces of fluorite and concentrations of brown scheelite

AR-95-821 talus; 2980N/350W; calcite with brown scheelite crystals; trace spots of fluorite

AR-95-822 talus; 3045N/350W; quartz vein with incorporated chloritic fragments & limonite vugs, irregular brown sideritic ± limonitic inclusions as well as a black metallic mineral, magnetite(?)

AR-95-823 talus; 3030N/400W; quartz vein; sericitic contacts with sediments; possible chalcopyrite, limonite and malachite.

AR-95-824 talus; 3105N/350W; quartz vein with vugs lined with limonite; chalcopyrite & malachite within the quartz as well as some massive pyrite in contact with deformed chloritic shale

AR-95-825 talus; 3060N/375W; quartz fragment with brown oxidation of pyrite ± magnetite(?)

AR-95-826 talus; 3100N/270W; malachite coating shale with 1 cm quartz vein

AR-95-900 to 906, 908 talus; from area of cliffs, scheelite bearing calcite vein material

AR-95-909 911 outcrop of conformable(?) calcite pod-like vein, 15m in length and 2(?) m thick; scheelite and fluorite

Rock-chip samples: AR-95-030 to 032
AR-95-034 to 037
AR-95-050 to 070

Rock samples with no descriptions: 231, 235, 241, 242, 272, 273, 432, 433

# APPENDIX B

**Project 563**

File: 563\Rock_95.WK1

# Albert River
# Rock Sample Analyses
## 1995

Report Date: 95.12.12
Reference : v95-00916, 945(.1; .3), 957, 1216(.1), 1244(.1)

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | CV-AA Hg ppb | SIE F ppm | INAA Ba ppm | ICP Ba ppm | INAA Br ppm | ICP Pb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-001 | <2 | <20 | 8 | 42 | 21 | 8 | 7 | 46 | 41 | 70 | | 350 | 70 | 2 | 165 |
| AR-95-002 | <2 | <20 | 8 | 2 | <5 | 1 | <5 | 2 | 2 | | | 720 | 119 | <1 | 7 |
| AR-95-003 | <2 | <20 | 6 | <1 | <5 | 0 | <5 | 4 | 3 | | | 260 | 24 | <1 | 2 |
| AR-95-004 | <2 | <20 | 9 | 5 | 9 | 0 | <5 | 3 | 4 | <10 | 1030 | 1200 | 99 | <1 | 2 |
| AR-95-005 | <2 | <20 | 6 | 3 | <5 | 0 | <5 | 2 | 2 | | | 200 | 84 | <1 | 3 |
| AR-95-006 | <2 | <20 | <5 | <1 | <5 | 0 | <5 | 8 | 5 | | | <100 | 16 | <1 | <2 |
| AR-95-007 | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 1 | | | 290 | 36 | 1 | 7 |
| AR-95-008 | <2 | <20 | <5 | 23 | 17 | 4 | <5 | 3 | 11 | 25 | | 100 | 17 | 3 | 137 |
| AR-95-009 | <2 | <20 | <5 | <1 | <5 | 0 | <5 | <2 | 1 | | | 110 | 36 | <1 | 6 |
| AR-95-010 | <2 | <20 | <5 | <1 | <5 | 0 | <5 | 6 | 5 | | | <100 | 6 | <1 | <2 |
| AR-95-011 | <2 | <20 | <5 | 1 | <5 | 0 | <5 | <2 | 3 | | | <100 | 22 | <1 | 5 |
| AR-95-012 | <2 | <20 | <5 | 2 | 12 | 0 | <5 | 3 | 4 | <10 | 830 | 1300 | 113 | <1 | 3 |
| AR-95-013 | <2 | <20 | 6 | <1 | <5 | 0 | <5 | 7 | 5 | | | 150 | 26 | <1 | 3 |
| AR-95-014 | <2 | <20 | 5 | 19 | <5 | 6 | <5 | 130 | 105 | 40 | | 580 | 49 | 2 | 124 |
| AR-95-015 | <2 | <20 | 24 | 4 | <5 | 2 | <5 | <2 | 1 | | | 220 | 16 | <1 | 5 |
| AR-95-016 | 3 | <20 | <5 | 11 | 22 | 0 | <5 | <2 | 6 | | | 210 | 44 | <1 | 5 |
| AR-95-017 | <2 | <20 | <5 | 2 | <5 | 1 | <5 | 7 | 5 | | | <100 | 15 | <1 | <2 |
| AR-95-018 | 3 | <20 | 12 | 8 | <5 | 6 | <5 | <2 | 2 | | | 260 | 51 | <1 | 5 |
| AR-95-019 | <2 | <20 | <5 | <1 | <5 | 0 | <5 | 19 | 14 | | | <100 | 20 | 1 | 3 |
| AR-95-020 | <2 | <20 | <5 | 11 | 11 | 2 | <5 | 2 | 4 | 17 | 870 | 1400 | 174 | 1 | 3 |
| AR-95-021 | 2 | <20 | <5 | 22 | 12 | 10 | <5 | 21 | 14 | | | 180 | 90 | 2 | <2 |
| AR-95-022 | 19 | <20 | <5 | 101 | 66 | 32 | 21 | 8 | 10 | 112 | | 2000 | 110 | 3 | <2 |
| AR-95-023 | 4 | <20 | 30 | 51 | 43 | 6 | <5 | 52 | 43 | | | 510 | 62 | 2 | 38 |
| AR-95-025 | <2 | <20 | <5 | 2 | <5 | 1 | <5 | 7 | <1 | | | <100 | 12 | <1 | <2 |
| AR-95-026 | <2 | <20 | <5 | 1 | <5 | 1 | <5 | 3 | 4 | | | <100 | 8 | <1 | 4 |
| AR-95-027 | <2 | <20 | <5 | 1 | <5 | 1 | <5 | 4 | 1 | | | <100 | 10 | <1 | <2 |
| AR-95-028 | 5 | <20 | <5 | <1 | <5 | 1 | <5 | <2 | 3 | | | 300 | 5 | <1 | 21 |
| AR-95-029 | 8920 | <20 | <12 | <2 | <5 | 2 | <5 | 4 | 4 | 2130 | | 15400 | 30 | <1 | 45 |
| AR-95-030 | <2 | <20 | <5 | 11 | 6 | 1 | <5 | <2 | 1 | | | 480 | 39 | <1 | 7 |
| AR-95-031 | <2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 2 | | | 400 | 41 | <1 | 6 |
| AR-95-032 | <2 | <20 | <5 | 6 | <5 | 1 | <5 | 3 | 2 | | | 240 | 35 | <1 | 6 |
| AR-95-033 | <2 | <20 | <5 | 3 | <5 | 0 | <5 | 4 | 3 | | | <100 | 8 | <1 | 3 |
| AR-95-034 | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 1 | | | 520 | 64 | <1 | 6 |
| AR-95-035 | <2 | <20 | <5 | 5 | <5 | 0 | <5 | 3 | 3 | | | 380 | 44 | <1 | 6 |
| AR-95-036 | <2 | <20 | <5 | 6 | <5 | 1 | <5 | 4 | 2 | | | 430 | 58 | <1 | 5 |
| AR-95-037 | <2 | <20 | <5 | 3 | <5 | 0 | <5 | 3 | 2 | | | 450 | 74 | <1 | 5 |
| AR-95-050 | <50 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 1 | <10 | 1070 | 1100 | 171 | <1 | 5 |
| AR-95-051 | <50 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 4 | <10 | 1350 | 2300 | 177 | <1 | 10 |
| AR-95-052 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 5 | <10 | 430 | 500 | 150 | <1 | 3 |
| AR-95-053 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <10 | 690 | 1000 | 185 | <1 | 5 |
| AR-95-054 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 7 | <10 | 1040 | 1100 | 146 | 1 | 5 |
| AR-95-055 | <50 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 5 | <10 | 500 | 390 | 92 | <1 | 4 |
| AR-95-056 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | 3 | 5 | <10 | 950 | 640 | 115 | <1 | 5 |
| AR-95-057 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 5 | <10 | 850 | 570 | 102 | <1 | 8 |
| AR-95-058 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 7 | <10 | 1130 | 620 | 74 | <1 | 8 |
| AR-95-059 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 7 | <10 | 920 | 460 | 61 | <1 | 15 |
| AR-95-060 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 7 | <10 | 1070 | 570 | 68 | <1 | 10 |
| AR-95-061 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | 2 | 8 | 15 | 1170 | 550 | 65 | 1 | 12 |
| AR-95-062 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 5 | <10 | 1220 | 470 | 48 | <1 | 4 |
| AR-95-063 | <50 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <10 | 990 | 350 | 33 | <1 | 8 |
| AR-95-064 | <50 | <20 | <5 | 6 | <5 | 0 | <5 | <2 | 4 | <10 | 1350 | 490 | 47 | <1 | 7 |
| AR-95-065 | <50 | <20 | 32 | 9 | 6 | 3 | <5 | 3 | 5 | 179 | 990 | 250 | 43 | <1 | 8 |
| AR-95-066 | <50 | <20 | 7 | 10 | 7 | 3 | <5 | 4 | 5 | 132 | 1250 | 470 | 35 | <1 | 14 |
| AR-95-067 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <10 | 1250 | 500 | 54 | <1 | 11 |
| AR-95-068 | <50 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | 33 | 1220 | 440 | 41 | <1 | 5 |
| AR-95-069 | <50 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 6 | <10 | 990 | 640 | 78 | 2 | 9 |
| AR-95-069A | <50 | <20 | <5 | 5 | <5 | 1 | <5 | 2 | 4 | <10 | 780 | 310 | 45 | <1 | 4 |
| AR-95-070 | <50 | <20 | <5 | 4 | 5 | 1 | <5 | <2 | 3 | <10 | 1070 | 430 | 81 | <1 | 7 |
| AR-95-100 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | 18 | 15 | | | 160 | 28 | <1 | 16 |
| AR-95-101 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | | | 140 | 77 | <1 | <2 |
| AR-95-102 | <50 | <20 | <5 | 2 | <5 | 0 | <5 | 18 | 15 | | | <100 | 10 | <1 | 2 |
| AR-95-103 | <50 | <20 | <5 | 3 | <5 | 0 | <5 | 5 | 6 | | | <100 | 13 | 1 | 5 |
| AR-95-104 | <50 | <20 | <5 | 2 | <5 | 0 | <5 | 15 | 14 | | | <100 | 9 | <1 | 4 |
| AR-95-105 | <50 | <20 | <5 | 7 | 6 | 1 | <5 | 13 | 13 | | | <100 | 10 | <1 | 7 |

# Albert River

## Rock Sample Analyses (part 2)

| Sample ID | INAA U ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | INAA Zn ppm | ICP Zn ppm | ICP Cu ppm | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-001 | 5 | <2 | <500 | 13 | <200 | 41 | 157 | <5 | 0.7 | 212 | 130 | 73 | 160 | 122 | <50 | 9 |
| AR-95-002 | 1 | <2 | <500 | 5 | <200 | 40 | 7 | <5 | <0.2 | 143 | <20 | 8 | <10 | 3 | 68 | 22 |
| AR-95-003 | 0 | <2 | <500 | <1 | <200 | 19 | 3 | <5 | <0.2 | 338 | <20 | 7 | <10 | 1 | 210 | 91 |
| AR-95-004 | 1 | 3 | <500 | <1 | <200 | 89 | 45 | <5 | <0.2 | 425 | 130 | 107 | 44 | 36 | 240 | 114 |
| AR-95-005 | 1 | <2 | <500 | 1 | <200 | 24 | 2 | <5 | <0.2 | 287 | <20 | 4 | <10 | <1 | 110 | 50 |
| AR-95-006 | 0 | <2 | <500 | <1 | <200 | 14 | 3 | <5 | <0.2 | 215 | <20 | 3 | <10 | 1 | 220 | 107 |
| AR-95-007 | 6 | <2 | <500 | 1 | <200 | 40 | 9 | <5 | <0.2 | 93 | <20 | 10 | <10 | 4 | <50 | 9 |
| AR-95-008 | 4 | <2 | <500 | 4 | <200 | 83 | 139 | <5 | 0.6 | 109 | 88 | 54 | 110 | 82 | <50 | 4 |
| AR-95-009 | 1 | <2 | <500 | <1 | <200 | 23 | 2 | <5 | <0.2 | 356 | <20 | <1 | <10 | <1 | 77 | 30 |
| AR-95-010 | 0 | <2 | <500 | <1 | <200 | 130 | 4 | <5 | <0.2 | 59 | <20 | 8 | <10 | <1 | 260 | 167 |
| AR-95-011 | 0 | <2 | <500 | <1 | <200 | 34 | 3 | <5 | <0.2 | 233 | <20 | 4 | <10 | 1 | 89 | 38 |
| AR-95-012 | 1 | 3 | <500 | 1 | <200 | 86 | 44 | <5 | <0.2 | 413 | 120 | 104 | 29 | 28 | 210 | 98 |
| AR-95-013 | 0 | <2 | <500 | <1 | <200 | 22 | 10 | <5 | <0.2 | 509 | <20 | 23 | <10 | 6 | 310 | 174 |
| AR-95-014 | 4 | 2 | <500 | 4 | 230 | 172 | 140 | <5 | 0.5 | 111 | 70 | 44 | 28 | 31 | <50 | 11 |
| AR-95-015 | 1 | <2 | <500 | 1 | <200 | 28 | 5 | <5 | <0.2 | 278 | <20 | 4 | <10 | 3 | <50 | 11 |
| AR-95-016 | 2 | 4 | <500 | 1 | <200 | 115 | 43 | <5 | <0.2 | 718 | 300 | 220 | 53 | 42 | 550 | 285 |
| AR-95-017 | 1 | <2 | <500 | <1 | <200 | 27 | 4 | <5 | <0.2 | 364 | <20 | 9 | <10 | 2 | 180 | 96 |
| AR-95-018 | 2 | <2 | <500 | 9 | <200 | 48 | 14 | <5 | <0.2 | 213 | <20 | 16 | <10 | 7 | 86 | 36 |
| AR-95-019 | 0 | <2 | <500 | 3 | <200 | 18 | 9 | <5 | <0.2 | 158 | <20 | 13 | <10 | 3 | 340 | 212 |
| AR-95-020 | 2 | <2 | <500 | 2 | <200 | 87 | 55 | <5 | <0.2 | 448 | 140 | 102 | 35 | 31 | 240 | 97 |
| AR-95-021 | 3 | <2 | <500 | <1 | <200 | 90 | 16 | <5 | <0.2 | 800 | 44 | 38 | <10 | 8 | 260 | 126 |
| AR-95-022 | 6 | 3 | <500 | 3 | 200 | 147 | 121 | <5 | 0.3 | 163 | 220 | 180 | 61 | 60 | 320 | 63 |
| AR-95-023 | 8 | 3 | <500 | 16 | <200 | 29 | 21 | <5 | 0.2 | 71 | 30 | 21 | <10 | 7 | 480 | 291 |
| AR-95-025 | 0 | <2 | <500 | <1 | <200 | 8 | 6 | <5 | <0.2 | 152 | <20 | 12 | <10 | 2 | 210 | 96 |
| AR-95-026 | 0 | <2 | <500 | 1 | <200 | 74 | 30 | <5 | <0.2 | 134 | <20 | 9 | <10 | 2 | 200 | 106 |
| AR-95-027 | 0 | <2 | <500 | <1 | <200 | 9 | 6 | <5 | <0.2 | 204 | <20 | 8 | <10 | <1 | 160 | 99 |
| AR-95-028 | 0 | <2 | <500 | <1 | <200 | 10 | 3 | <5 | <0.2 | 268 | 66 | 4 | 17 | 2 | 230 | 87 |
| AR-95-029 | 1 | <2 | <500 | 3 | <200 | 118 | 46 | <5 | 0.3 | 434 | <20 | 55 | <10 | 18 | 53 | 101 |
| AR-95-030 | 2 | <2 | <500 | 4 | <200 | 54 | 10 | <5 | <0.2 | 296 | <20 | 9 | <10 | 5 | <50 | 11 |
| AR-95-031 | 2 | <2 | <500 | 3 | <200 | 40 | 10 | <5 | <0.2 | 228 | <20 | 6 | <10 | 3 | 63 | 23 |
| AR-95-032 | 2 | <2 | <500 | 5 | <200 | 44 | 8 | <5 | <0.2 | 166 | <20 | 5 | <10 | 3 | <50 | 7 |
| AR-95-033 | 0 | <2 | <500 | <1 | <200 | 15 | 4 | <5 | <0.2 | 209 | <20 | 1 | <10 | <1 | 190 | 88 |
| AR-95-034 | 2 | <2 | <500 | 4 | <200 | 44 | 8 | <5 | <0.2 | 172 | <20 | 6 | <10 | 3 | <50 | 8 |
| AR-95-035 | 1 | <2 | <500 | 5 | <200 | 40 | 7 | <5 | <0.2 | 234 | <20 | 7 | <10 | 3 | <50 | 15 |
| AR-95-036 | 1 | 2 | <500 | 4 | <200 | 36 | 7 | <5 | <0.2 | 167 | <20 | 5 | <10 | 3 | 67 | 22 |
| AR-95-037 | 2 | <2 | <500 | 3 | <200 | 35 | 6 | <5 | <0.2 | 158 | <20 | 4 | <10 | 2 | <50 | 7 |
| AR-95-050 | 2 | <2 | <500 | 3 | <200 | 33 | 27 | <5 | <0.2 | 201 | <20 | 13 | <10 | 4 | <50 | 16 |
| AR-95-051 | 2 | <2 | <500 | 3 | <200 | 48 | 23 | <5 | <0.2 | 239 | <20 | 21 | 10 | 7 | 65 | 17 |
| AR-95-052 | 1 | <2 | <500 | <1 | <200 | 12 | 20 | <5 | 0.4 | 97 | <20 | 4 | <10 | 2 | <50 | 6 |
| AR-95-053 | 2 | <2 | <500 | 1 | <200 | 23 | 22 | <5 | 0.3 | 176 | <20 | 8 | <10 | 3 | <50 | 9 |
| AR-95-054 | 2 | <2 | <500 | 5 | <200 | 31 | 21 | <5 | <0.2 | 275 | <20 | 14 | <10 | 6 | 53 | 21 |
| AR-95-055 | 2 | <2 | <500 | 2 | <200 | 16 | 21 | <5 | <0.2 | 130 | <20 | 6 | <10 | 2 | <50 | 11 |
| AR-95-056 | 1 | <2 | <500 | 3 | <200 | 17 | 18 | <5 | <0.2 | 229 | <20 | 8 | <10 | 5 | <50 | 14 |
| AR-95-057 | 2 | <2 | <500 | 5 | <200 | 39 | 21 | <5 | 0.2 | 163 | <20 | 10 | <10 | 4 | <50 | 12 |
| AR-95-058 | 2 | <2 | <500 | 6 | <200 | 55 | 22 | <5 | <0.2 | 170 | <20 | 22 | 10 | 9 | 66 | 25 |
| AR-95-059 | 3 | <2 | <500 | 5 | <200 | 55 | 20 | <5 | <0.2 | 390 | 26 | 16 | <10 | 6 | 56 | 18 |
| AR-95-060 | 2 | 2 | <500 | 5 | <200 | 57 | 24 | <5 | <0.2 | 354 | 25 | 18 | <10 | 6 | 59 | 24 |
| AR-95-061 | 2 | 3 | <500 | 4 | <200 | 104 | 52 | <5 | <0.2 | 290 | 26 | 20 | <10 | 7 | 65 | 23 |
| AR-95-062 | 2 | 2 | <500 | 4 | <200 | 51 | 22 | <5 | <0.2 | 311 | 27 | 16 | <10 | 5 | 54 | 16 |
| AR-95-063 | 1 | <2 | <500 | 1 | <200 | 35 | 26 | <5 | <0.2 | 292 | <20 | 13 | <10 | 4 | <50 | 15 |
| AR-95-064 | 2 | <2 | <500 | 2 | <200 | 60 | 22 | <5 | <0.2 | 256 | 36 | 26 | 11 | 9 | 80 | 27 |
| AR-95-065 | 2 | <2 | <500 | 4 | <200 | 46 | 20 | <5 | <0.2 | 418 | <20 | 14 | <10 | 6 | 51 | 14 |
| AR-95-066 | 3 | <2 | <500 | 5 | <200 | 50 | 24 | <5 | <0.2 | 329 | <20 | 18 | <10 | 6 | <50 | 13 |
| AR-95-067 | 2 | <2 | <500 | 2 | <200 | 65 | 21 | <5 | <0.2 | 243 | 25 | 29 | 13 | 10 | 100 | 32 |
| AR-95-068 | 2 | <2 | <500 | 1 | <200 | 48 | 22 | <5 | <0.2 | 299 | <20 | 20 | <10 | 7 | 65 | 23 |
| AR-95-069 | 2 | <2 | <500 | 4 | <200 | 44 | 23 | <5 | 0.2 | 196 | <20 | 14 | <10 | 5 | 79 | 19 |
| AR-95-069A | 1 | <2 | <500 | 1 | <200 | 21 | 24 | <5 | 0.3 | 118 | <20 | 7 | <10 | 3 | <50 | 9 |
| AR-95-070 | 2 | <2 | <500 | 2 | <200 | 28 | 18 | <5 | <0.2 | 258 | <20 | 11 | <10 | 4 | 58 | 19 |
| AR-95-100 | 0 | <2 | <500 | <1 | <200 | 6 | 20 | <5 | <0.2 | 179 | <20 | 11 | <10 | 4 | 340 | 213 |
| AR-95-101 | 0 | <2 | <500 | <1 | <200 | 4 | 18 | <5 | 0.3 | 129 | <20 | <1 | <10 | <1 | <50 | 16 |
| AR-95-102 | 0 | <2 | <500 | <1 | <200 | <1 | 10 | <5 | <0.2 | 198 | <20 | 7 | <10 | <1 | 270 | 213 |
| AR-95-103 | 1 | <2 | <500 | <1 | <200 | 14 | 25 | <5 | <0.2 | 283 | <20 | 4 | <10 | 1 | 120 | 78 |
| AR-95-104 | 1 | <2 | <500 | <1 | <200 | 36 | 11 | <5 | <0.2 | 187 | <20 | 14 | <10 | 2 | 210 | 151 |
| AR-95-105 | 1 | <2 | <500 | 3 | <200 | 12 | 13 | <5 | <0.2 | 74 | <20 | 9 | <10 | 2 | 350 | 327 |

## Albert River

### Rock Sample Analyses (part 3)

| Sample ID | ICP Bi ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm | INAA Th ppm | ICP V ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-001 | 27 | <10 | 0.3 | 8 | 6 | 4 | 4 | 9 | 0.2 | >10.0 | >10.0 | 0.5 | 0.4 | 0.1 |
| AR-95-002 | <5 | <10 | <0.2 | <2 | 18 | 5 | 6 | 710 | >10.0 | 1.3 | 0.8 | 1.3 | 0.7 | 0.3 |
| AR-95-003 | <5 | <10 | <0.2 | <2 | 5 | 1 | 1 | 597 | >10.0 | 1.2 | 0.6 | 0.5 | 0.3 | 0.0 |
| AR-95-004 | <5 | <10 | <0.2 | 3 | 54 | 7 | 37 | 213 | 6.2 | 5.2 | 4.0 | 2.2 | 2.5 | 0.3 |
| AR-95-005 | <5 | <10 | <0.2 | <2 | 3 | 1 | 1 | 666 | >10.0 | 0.7 | 0.4 | 0.3 | 0.1 | 0.0 |
| AR-95-006 | <5 | <10 | <0.2 | <2 | <1 | 0 | <1 | 400 | >10.0 | 1.0 | 0.8 | 0.6 | 0.0 | 0.0 |
| AR-95-007 | <5 | <10 | <0.2 | <2 | 13 | 5 | 3 | 199 | >10.0 | 1.3 | 0.7 | 1.1 | 0.5 | 0.1 |
| AR-95-008 | 25 | <10 | <0.2 | 10 | 6 | 3 | 5 | 9 | 0.3 | >10.0 | >10.0 | 0.4 | 1.5 | 0.0 |
| AR-95-009 | <5 | <10 | <0.2 | <2 | <1 | 1 | 1 | 1245 | >10.0 | 0.7 | 0.5 | 0.4 | 0.0 | 0.0 |
| AR-95-010 | <5 | <10 | 0.8 | <2 | <1 | 0 | <1 | 201 | 6.8 | <0.5 | 0.2 | 0.0 | 0.0 | 0.0 |
| AR-95-011 | <5 | <10 | 0.4 | <2 | 6 | 1 | 3 | 778 | >10.0 | 1.1 | 0.7 | 0.6 | 0.2 | 0.0 |
| AR-95-012 | <5 | <10 | <0.2 | <2 | 45 | 7 | 31 | 127 | 4.9 | 4.9 | 3.7 | 2.3 | 2.5 | 0.3 |
| AR-95-013 | <5 | <10 | <0.2 | <2 | 7 | 1 | 6 | 259 | 9.2 | 1.3 | 0.8 | 0.6 | 0.4 | 0.1 |
| AR-95-014 | 16 | <10 | 0.8 | <2 | 2 | 6 | <1 | 61 | 2.5 | >10.0 | >10.0 | 0.8 | 0.2 | 0.1 |
| AR-95-015 | <5 | <10 | <0.2 | <2 | 1 | 3 | <1 | 284 | >10.0 | 0.8 | 0.5 | 0.5 | 0.1 | 0.1 |
| AR-95-016 | <5 | <10 | <0.2 | 5 | 124 | 7 | 91 | 218 | 6.0 | 7.2 | 5.0 | 3.1 | 4.1 | 0.1 |
| AR-95-017 | <5 | <10 | <0.2 | <2 | 3 | 0 | 2 | 280 | >10.0 | 1.0 | 0.7 | 0.6 | 0.1 | 0.0 |
| AR-95-018 | <5 | <10 | <0.2 | <2 | 14 | 5 | 7 | 212 | >10.0 | 2.3 | 1.6 | 2.5 | 0.6 | 0.4 |
| AR-95-019 | <5 | <10 | <0.2 | <2 | 5 | 1 | 2 | 257 | 6.4 | 0.9 | 0.7 | 0.3 | 0.3 | 0.1 |
| AR-95-020 | <5 | <10 | <0.2 | <2 | 41 | 6 | 28 | 151 | 6.5 | 5.4 | 4.0 | 2.2 | 2.2 | 0.4 |
| AR-95-021 | <5 | <10 | <0.2 | <2 | 2 | 1 | 6 | 336 | >10.0 | 3.6 | 2.5 | 1.5 | 0.1 | 0.0 |
| AR-95-022 | 8 | <10 | <0.2 | <2 | 8 | 11 | 21 | 26 | 1.9 | 8.9 | 7.2 | 0.2 | 0.9 | 0.5 |
| AR-95-023 | <5 | <10 | <0.2 | <2 | 6 | 10 | 8 | 42 | 1.7 | 2.4 | 2.1 | 0.1 | 0.3 | 0.2 |
| AR-95-025 | <5 | <10 | <0.2 | <2 | 1 | 1 | 1 | 899 | >10.0 | 0.6 | 0.3 | 0.1 | 0.1 | 0.0 |
| AR-95-026 | <5 | <10 | 0.5 | <2 | 12 | 2 | 3 | 362 | >10.0 | <0.5 | 0.4 | 0.7 | 0.3 | 0.0 |
| AR-95-027 | <5 | <10 | <0.2 | <2 | 2 | 1 | <1 | 406 | >10.0 | 0.6 | 0.3 | 0.2 | 0.1 | 0.0 |
| AR-95-028 | <5 | <10 | <0.2 | <2 | <1 | 0 | <1 | 468 | >10.0 | 4.9 | 0.5 | 0.2 | 0.0 | 0.0 |
| AR-95-029 | 6 | <20 | <0.2 | <2 | 4 | 4 | 1 | 226 | 9.5 | <0.5 | 4.1 | 1.7 | 0.3 | 0.1 |
| AR-95-030 | <5 | <10 | <0.2 | <2 | 18 | 7 | 7 | 348 | >10.0 | 2.0 | 1.3 | 1.9 | 1.1 | 0.2 |
| AR-95-031 | <5 | <10 | <0.2 | <2 | 13 | 4 | 5 | 529 | >10.0 | 1.3 | 0.8 | 1.0 | 0.8 | 0.1 |
| AR-95-032 | <5 | <10 | <0.2 | <2 | 9 | 3 | 6 | 387 | >10.0 | 1.1 | 0.6 | 1.4 | 0.5 | 0.1 |
| AR-95-033 | <5 | <10 | <0.2 | <2 | 1 | 1 | 2 | 478 | >10.0 | <0.5 | 0.3 | 0.1 | 0.1 | 0.0 |
| AR-95-034 | <5 | <10 | <0.2 | <2 | 12 | 4 | 5 | 438 | >10.0 | 1.3 | 0.7 | 1.0 | 0.7 | 0.1 |
| AR-95-035 | <5 | <10 | <0.2 | <2 | 11 | 4 | 8 | 392 | >10.0 | 1.2 | 0.8 | 1.7 | 0.5 | 0.2 |
| AR-95-036 | <5 | <10 | <0.2 | <2 | 10 | 3 | 5 | 410 | >10.0 | 0.9 | 0.7 | 1.6 | 0.4 | 0.2 |
| AR-95-037 | <5 | <10 | <0.2 | <2 | 9 | 3 | 2 | 448 | >10.0 | 1.1 | 0.5 | 1.5 | 0.3 | 0.2 |
| AR-95-050 | <5 | <10 | <0.2 | <2 | 22 | 6 | 8 | 441 | >10.0 | 1.7 | 1.2 | 1.2 | 1.1 | 0.3 |
| AR-95-051 | <5 | <10 | <0.2 | <2 | 24 | 10 | 8 | 432 | >10.0 | 2.7 | 1.9 | 1.0 | 1.5 | 0.3 |
| AR-95-052 | <5 | <10 | <0.2 | <2 | 7 | 1 | 3 | 883 | >10.0 | 0.5 | 0.4 | 0.4 | 0.3 | 0.1 |
| AR-95-053 | <5 | <10 | <0.2 | <2 | 11 | 4 | 4 | 778 | >10.0 | 1.2 | 0.8 | 0.6 | 0.7 | 0.2 |
| AR-95-054 | <5 | <10 | <0.2 | <2 | 19 | 7 | 9 | 275 | >10.0 | 2.1 | 1.6 | 2.5 | 1.0 | 0.3 |
| AR-95-055 | <5 | <10 | <0.2 | <2 | 10 | 2 | 5 | 556 | >10.0 | 0.7 | 0.6 | 0.9 | 0.4 | 0.2 |
| AR-95-056 | <5 | <10 | <0.2 | <2 | 18 | 3 | 9 | 416 | >10.0 | 1.3 | 0.9 | 1.4 | 0.7 | 0.3 |
| AR-95-057 | <5 | <10 | <0.2 | <2 | 16 | 5 | 11 | 435 | >10.0 | 1.3 | 1.0 | 1.2 | 0.8 | 0.2 |
| AR-95-058 | <5 | <10 | <0.2 | <2 | 32 | 10 | 15 | 291 | >10.0 | 2.6 | 1.9 | 1.6 | 1.7 | 0.2 |
| AR-95-059 | <5 | <10 | <0.2 | <2 | 21 | 10 | 17 | 236 | 8.8 | 2.3 | 1.6 | 2.9 | 1.1 | 0.3 |
| AR-95-060 | <5 | <10 | 0.3 | <2 | 28 | 11 | 15 | 239 | 9.6 | 2.4 | 1.7 | 2.6 | 1.5 | 0.3 |
| AR-95-061 | <5 | <10 | 0.7 | <2 | 31 | 12 | 21 | 194 | 8.7 | 2.5 | 1.8 | 2.6 | 1.6 | 0.3 |
| AR-95-062 | <5 | <10 | <0.2 | <2 | 23 | 10 | 12 | 216 | >10.0 | 2.3 | 1.6 | 3.2 | 1.1 | 0.3 |
| AR-95-063 | <5 | <10 | <0.2 | <2 | 25 | 8 | 6 | 362 | >10.0 | 1.8 | 1.3 | 1.7 | 1.1 | 0.2 |
| AR-95-064 | <5 | <10 | <0.2 | <2 | 53 | 11 | 12 | 178 | 7.8 | 3.5 | 2.6 | 2.3 | 2.2 | 0.3 |
| AR-95-065 | <5 | <10 | <0.2 | <2 | 9 | 7 | 7 | 223 | >10.0 | 2.7 | 1.9 | 2.0 | 0.5 | 0.2 |
| AR-95-066 | <5 | <10 | <0.2 | <2 | 21 | 9 | 8 | 266 | >10.0 | 2.4 | 1.8 | 1.8 | 0.9 | 0.2 |
| AR-95-067 | <5 | <10 | <0.2 | 2 | 61 | 13 | 14 | 131 | 5.9 | 3.6 | 2.8 | 2.3 | 2.5 | 0.3 |
| AR-95-068 | <5 | <10 | <0.2 | <2 | 47 | 11 | 10 | 270 | >10.0 | 2.8 | 2.0 | 1.7 | 1.8 | 0.2 |
| AR-95-069 | <5 | <10 | <0.2 | <2 | 19 | 6 | 11 | 485 | >10.0 | 1.7 | 1.1 | 1.2 | 1.0 | 0.2 |
| AR-95-069A | <5 | <10 | 0.4 | <2 | 8 | 3 | 4 | 770 | >10.0 | 0.8 | 0.6 | 1.5 | 0.4 | 0.1 |
| AR-95-070 | <5 | <10 | <0.2 | <2 | 17 | 6 | 8 | 358 | >10.0 | 1.6 | 1.1 | 2.0 | 0.9 | 0.2 |
| AR-95-100 | <5 | <10 | 0.2 | <2 | 3 | 1 | 2 | 197 | 4.9 | 0.7 | 0.6 | 0.1 | 0.2 | 0.0 |
| AR-95-101 | <5 | <10 | <0.2 | <2 | <1 | 0 | <1 | 901 | >10.0 | <0.5 | 0.1 | 0.2 | 0.0 | 0.0 |
| AR-95-102 | <5 | <10 | 0.3 | <2 | <1 | 0 | 1 | 340 | 8.4 | <0.5 | 0.3 | 0.1 | 0.0 | 0.0 |
| AR-95-103 | <5 | <10 | <0.2 | <2 | 5 | 1 | 3 | 668 | >10.0 | 0.6 | 0.5 | 0.4 | 0.2 | 0.0 |
| AR-95-104 | <5 | <10 | <0.2 | <2 | 8 | 2 | 4 | 175 | 9.0 | 1.4 | 1.4 | 2.8 | 0.1 | 0.0 |
| AR-95-105 | <5 | <10 | <0.2 | <2 | <1 | 2 | 3 | 26 | 1.3 | 0.7 | 0.8 | 0.2 | 0.1 | 0.1 |

## Albert River

## Rock Sample Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-001 | 0.2 | <0.01 | <0.01 | <10 | 2 | <2 | <100 | 10 | 80 | <0.5 | <1 | 17 | 4 | <5 |
| AR-95-002 | 0.2 | <0.01 | <0.01 | 16 | 1 | <2 | <100 | 13 | 12 | <0.5 | <1 | 48 | 4 | <5 |
| AR-95-003 | 0.1 | <0.01 | <0.01 | 33 | <1 | 2 | <100 | 19 | 17 | <0.5 | <1 | 12 | 2 | <5 |
| AR-95-004 | 1.3 | 0.01 | <0.01 | 66 | 2 | <2 | <100 | 42 | 10 | <0.5 | <1 | 140 | 19 | <5 |
| AR-95-005 | 0.4 | <0.01 | <0.01 | 35 | <1 | <2 | <100 | 17 | 18 | <0.5 | <1 | 11 | 2 | <5 |
| AR-95-006 | 0.2 | <0.01 | <0.01 | 12 | <1 | <2 | <100 | 6 | 6 | <0.5 | <1 | <10 | 1 | <5 |
| AR-95-007 | 0.1 | <0.01 | <0.01 | 21 | 3 | <2 | <100 | 14 | 7 | <0.5 | <1 | 56 | 4 | <5 |
| AR-95-008 | 0.1 | <0.01 | <0.01 | <10 | <1 | <2 | <100 | 15 | 99 | <0.5 | <1 | 17 | 3 | <5 |
| AR-95-009 | 0.3 | <0.01 | <0.01 | 56 | <1 | <2 | <100 | 25 | 19 | <0.5 | <1 | <10 | 5 | <5 |
| AR-95-010 | 0.0 | <0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 4 | <0.5 | <1 | <10 | 0 | <5 |
| AR-95-011 | 0.0 | <0.01 | <0.01 | 53 | <1 | 3 | <100 | 26 | 24 | <0.5 | <1 | <10 | 2 | <5 |
| AR-95-012 | 1.8 | 0.01 | <0.01 | 66 | 2 | <2 | <100 | 40 | 15 | <0.5 | <1 | 99 | 20 | <5 |
| AR-95-013 | 0.6 | 0.01 | <0.01 | 14 | <1 | <2 | <100 | 7 | 7 | <0.5 | <1 | <10 | 4 | <5 |
| AR-95-014 | 1.2 | <0.01 | <0.01 | 27 | 2 | <2 | <100 | 21 | 33 | <0.5 | <1 | 51 | 4 | <5 |
| AR-95-015 | 0.0 | <0.01 | <0.01 | 31 | 1 | <2 | <100 | 18 | 17 | <0.5 | <1 | 43 | 3 | <5 |
| AR-95-016 | 0.2 | <0.01 | <0.01 | 75 | 1 | <2 | <100 | 50 | 19 | <0.5 | <1 | 31 | 28 | 11 |
| AR-95-017 | 0.0 | <0.01 | <0.01 | 20 | <1 | 3 | <100 | 12 | 13 | <0.5 | <1 | <10 | 4 | <5 |
| AR-95-018 | 0.1 | <0.01 | <0.01 | 21 | 5 | <2 | <100 | 15 | 7 | <0.5 | <1 | 130 | 7 | <5 |
| AR-95-019 | 0.2 | <0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 4 | <0.5 | <1 | 14 | 2 | <5 |
| AR-95-020 | 0.9 | 0.01 | <0.01 | 58 | 3 | <2 | <100 | 37 | 11 | <0.5 | <1 | 120 | 19 | <5 |
| AR-95-021 | 0.1 | <0.01 | <0.01 | 40 | <1 | 2 | <100 | 16 | 8 | <0.5 | <1 | <10 | 8 | 6 |
| AR-95-022 | 1.0 | 0.02 | <0.01 | 66 | 16 | <2 | <100 | 48 | 6 | <0.5 | <1 | 260 | 25 | <5 |
| AR-95-023 | 0.0 | <0.01 | <0.01 | 27 | 2 | <2 | <100 | 13 | 7 | <0.5 | <1 | 73 | 4 | <5 |
| AR-95-025 | 0.1 | <0.01 | <0.01 | 14 | <1 | <2 | <100 | 8 | 8 | <0.5 | <1 | <10 | 1 | <5 |
| AR-95-026 | 0.2 | <0.01 | <0.01 | 19 | <1 | <2 | <100 | 8 | 10 | <0.5 | <1 | 11 | 2 | <5 |
| AR-95-027 | 0.1 | <0.01 | <0.01 | 10 | <1 | <2 | <100 | 7 | 9 | <0.5 | <1 | <10 | 1 | <5 |
| AR-95-028 | 0.1 | <0.01 | <0.01 | 21 | <1 | <2 | <100 | 16 | 9 | <0.5 | <1 | <10 | 1 | <5 |
| AR-95-029 | 0.5 | <0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 6 | <0.5 | <1 | 52 | 4 | <5 |
| AR-95-030 | 0.3 | <0.01 | <0.01 | 50 | 1 | <2 | <100 | 29 | 12 | <0.5 | <1 | 75 | 6 | <5 |
| AR-95-031 | 0.2 | <0.01 | <0.01 | 33 | <1 | <2 | <100 | 18 | 14 | <0.5 | <1 | 43 | 4 | <5 |
| AR-95-032 | 0.6 | <0.01 | <0.01 | 30 | 1 | <2 | <100 | 17 | 10 | <0.5 | <1 | 49 | 3 | <5 |
| AR-95-033 | 0.1 | <0.01 | <0.01 | 11 | <1 | 3 | <100 | 9 | 9 | <0.5 | <1 | <10 | 1 | <5 |
| AR-95-034 | 0.3 | <0.01 | <0.01 | 27 | 2 | <2 | <100 | 16 | 11 | <0.5 | <1 | 56 | 5 | <5 |
| AR-95-035 | 0.5 | <0.01 | <0.01 | 21 | 1 | <2 | <100 | 13 | 9 | <0.5 | <1 | 33 | 3 | <5 |
| AR-95-036 | 0.4 | <0.01 | <0.01 | 26 | 1 | <2 | <100 | 15 | 9 | <0.5 | <1 | 41 | 3 | <5 |
| AR-95-037 | 0.4 | <0.01 | <0.01 | 34 | <1 | <2 | <100 | 15 | 11 | <0.5 | <1 | 35 | 3 | <5 |
| AR-95-050 | 0.2 | 0.01 | <0.01 | 38 | 2 | <2 | <100 | 20 | 12 | <0.5 | 13 | 67 | 5 | <5 |
| AR-95-051 | 0.2 | 0.01 | <0.01 | 63 | 3 | <2 | <100 | 34 | 20 | <0.5 | 10 | 110 | 9 | <5 |
| AR-95-052 | 0.1 | 0.01 | <0.01 | 15 | <1 | <2 | <100 | 10 | 7 | <0.5 | 17 | 21 | 2 | <5 |
| AR-95-053 | 0.1 | 0.01 | <0.01 | 25 | 1 | <2 | <100 | 16 | 9 | <0.5 | 15 | 51 | 4 | <5 |
| AR-95-054 | 0.4 | 0.01 | <0.01 | 34 | 2 | <2 | <100 | 23 | 13 | <0.5 | 8 | 72 | 6 | <5 |
| AR-95-055 | 0.3 | 0.01 | <0.01 | 13 | <1 | <2 | <100 | 11 | 7 | <0.5 | 16 | 32 | 2 | <5 |
| AR-95-056 | 0.4 | 0.01 | <0.01 | 21 | 2 | <2 | <100 | 14 | 8 | <0.5 | 12 | 55 | 5 | <5 |
| AR-95-057 | 0.4 | 0.01 | <0.01 | 20 | 2 | <2 | <100 | 16 | 6 | <0.5 | 12 | 66 | 5 | <5 |
| AR-95-058 | 0.4 | <0.01 | <0.01 | 41 | 3 | <2 | <100 | 30 | 17 | <0.5 | 10 | 110 | 9 | <5 |
| AR-95-059 | 0.6 | 0.01 | <0.01 | 54 | 2 | <2 | <100 | 31 | 17 | <0.5 | 7 | 84 | 6 | <5 |
| AR-95-060 | 0.6 | 0.01 | <0.01 | 69 | 3 | <2 | <100 | 35 | 19 | <0.5 | 8 | 76 | 8 | <5 |
| AR-95-061 | 0.7 | 0.01 | <0.01 | 65 | 2 | <2 | <100 | 34 | 18 | <0.5 | 7 | 100 | 8 | <5 |
| AR-95-062 | 0.6 | 0.01 | <0.01 | 55 | 2 | <2 | <100 | 31 | 15 | <0.5 | 9 | 99 | 7 | <5 |
| AR-95-063 | 0.5 | 0.01 | <0.01 | 47 | 3 | <2 | <100 | 24 | 16 | <0.5 | 12 | 70 | 7 | <5 |
| AR-95-064 | 0.4 | 0.01 | <0.01 | 57 | 3 | <2 | <100 | 34 | 22 | <0.5 | 7 | 120 | 11 | <5 |
| AR-95-065 | 0.2 | 0.01 | <0.01 | 48 | 3 | <2 | <100 | 25 | 7 | <0.5 | 10 | 70 | 6 | <5 |
| AR-95-066 | 0.5 | 0.01 | <0.01 | 49 | 2 | <2 | <100 | 31 | 10 | <0.5 | 9 | 110 | 8 | <5 |
| AR-95-067 | 0.5 | <0.01 | <0.01 | 69 | 3 | <2 | <100 | 40 | 28 | <0.5 | 5 | 120 | 12 | <5 |
| AR-95-068 | 0.4 | 0.01 | <0.01 | 61 | 3 | <2 | <100 | 40 | 24 | <0.5 | 9 | 99 | 10 | <5 |
| AR-95-069 | 0.4 | 0.01 | <0.01 | 33 | 2 | <2 | <100 | 22 | 9 | <0.5 | 14 | 74 | 6 | <5 |
| AR-95-069A | 0.3 | 0.01 | <0.01 | 17 | <1 | <2 | <100 | 10 | 6 | <0.5 | 16 | 27 | 3 | <5 |
| AR-95-070 | 0.6 | 0.01 | <0.01 | 35 | 2 | <2 | <100 | 22 | 9 | <0.5 | 12 | 50 | 5 | <5 |
| AR-95-100 | 0.1 | <0.01 | <0.01 | 13 | <1 | <2 | <100 | 5 | 4 | <0.5 | 4 | <10 | 1 | <5 |
| AR-95-101 | 0.1 | 0.02 | <0.01 | <10 | <1 | <2 | <100 | <5 | 3 | <0.5 | 18 | <10 | 0 | <5 |
| AR-95-102 | 0.1 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 4 | <0.5 | 7 | <10 | 0 | <5 |
| AR-95-103 | 0.2 | 0.01 | <0.01 | 43 | <1 | <2 | <100 | 23 | 20 | <0.5 | 16 | <10 | 3 | <5 |
| AR-95-104 | 0.1 | 0.02 | <0.01 | 45 | <1 | <2 | <100 | 21 | 15 | <0.5 | 7 | <10 | 2 | <5 |
| AR-95-105 | 0.2 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 1 | <0.5 | <1 | 11 | 1 | <5 |

# Albert River

## Rock Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | ICP Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-001 | <10 | 2 | <200 | 26 | <1 | <10 | <1 | <20 | 39 | 4 | <5 |
| AR-95-002 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-003 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-004 | <10 | 4 | <200 | <20 | 4 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-005 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 12 | <5 |
| AR-95-006 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-007 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 2 | <5 |
| AR-95-008 | <10 | 3 | <200 | 25 | <1 | <10 | <1 | <20 | 42 | 10 | <5 |
| AR-95-009 | <10 | 8 | <200 | <20 | <1 | <10 | 2 | <20 | <10 | 35 | <5 |
| AR-95-010 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 2 | <5 |
| AR-95-011 | <10 | 5 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 14 | <5 |
| AR-95-012 | <10 | 4 | <200 | <20 | 4 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-013 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-014 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | 20 | 11 | <5 |
| AR-95-015 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-016 | <10 | 6 | <200 | <20 | 5 | <10 | 2 | <20 | <10 | 7 | <5 |
| AR-95-017 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 11 | <5 |
| AR-95-018 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 3 | <5 |
| AR-95-019 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-020 | <10 | 4 | <200 | <20 | 4 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-021 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 9 | <5 |
| AR-95-022 | <10 | 4 | <200 | <20 | 5 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-023 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-025 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 3 | <5 |
| AR-95-026 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-027 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-028 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 10 | <5 |
| AR-95-029 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <56 | <10 | 10 | <5 |
| AR-95-030 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-031 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-032 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-033 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-034 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-035 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-036 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-037 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-050 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-051 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-052 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-053 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 3 | <5 |
| AR-95-054 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-055 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-056 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-057 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-058 | <10 | 4 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-059 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-060 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-061 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-062 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-063 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-064 | <10 | 4 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-065 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-066 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-067 | <10 | 4 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-068 | <10 | 5 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-069 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-069A | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 3 | <5 |
| AR-95-070 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-100 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-101 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 2 | <5 |
| AR-95-102 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-103 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 10 | <5 |
| AR-95-104 | <10 | 6 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 10 | <5 |
| AR-95-105 | <10 | 0 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 2 | <5 |

**Project 563**

File: 563\Rock_95.WK1

# Albert River
# Rock Sample Analyses
# 1995

Report Date: 95.12.12
Reference : v95-00916, 945(.1; .3), 957, 1216(.1), 1244(.1)

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | CV-AA Hg ppb | SIE F ppm | INAA Ba ppm | ICP Ba ppm | INAA Br ppm | ICP Pb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-231 | <2 | <20 | 33 | 98 | 91 | 1 | <5 | <2 | 2 | | | 750 | 47 | 1 | 8 |
| AR-95-235 | 2 | <20 | <5 | 6 | 9 | 0 | <5 | 2 | 4 | | | 710 | 41 | <1 | 30 |
| AR-95-241 | <2 | <20 | 8 | 5 | 12 | 1 | <5 | <2 | 3 | | | 2500 | 146 | <1 | 12 |
| AR-95-242 | <2 | <20 | 8 | 9 | 7 | 1 | <5 | 3 | 5 | | | 1100 | 103 | <1 | 18 |
| AR-95-272 | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 2 | | | 700 | 42 | <1 | 5 |
| AR-95-273 | <2 | <20 | <5 | 6 | <5 | 1 | <5 | 3 | 4 | | | 610 | 58 | 1 | 13 |
| AR-95-432 | 5 | <20 | 6 | 14 | 16 | 5 | <5 | 7 | 6 | | | 1200 | 55 | 3 | 53 |
| AR-95-433 | 4 | <20 | <5 | 17 | 16 | 7 | <5 | 3 | 6 | | | 1200 | 82 | 4 | 73 |
| AR-95-700 | 2 | <20 | 12 | 59 | 64 | 8 | 6 | 5 | 6 | | | 9400 | 1957 | 1 | 13 |
| AR-95-702 | 4 | <20 | 9 | 11 | 9 | 2 | <5 | 15 | 16 | | | 130 | 57 | <1 | 14 |
| AR-95-703 | 28600 | 64 | <79 | 53 | 72 | 21 | 11 | <22 | 4 | 25160 | 900 | >20000 | 509 | 67 | 268 |
| AR-95-704 | 3750 | 80 | 17 | 5 | 17 | 15 | 11 | 11 | 3 | 670 | 2150 | 710 | 482 | 4 | 43 |
| AR-95-705 | 213 | 184 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | | | 750 | 58 | <1 | 9 |
| AR-95-706 | 4 | <20 | <5 | 18 | <5 | 1 | <5 | 5 | 9 | | | 280 | 43 | <1 | 391 |
| AR-95-707 | 5590 | 194 | 32 | 47 | 49 | 101 | 75 | 14 | 5 | 639 | 96500 | 8000 | >2000 | 8 | 55 |
| AR-95-708 | 2 | 48 | <5 | 16 | 17 | 1 | <5 | 7 | 12 | | | 480 | 96 | <1 | 27 |
| AR-95-709 | <2 | <20 | <5 | 5 | 7 | 0 | <5 | 2 | 6 | | | 830 | 82 | <1 | 14 |
| AR-95-711 | 651 | 96 | <5 | 1 | <5 | 0 | <5 | 6 | 5 | | | <100 | 22 | 1 | 224 |
| AR-95-712 | 3 | <20 | <5 | <1 | <5 | 0 | <5 | 14 | 14 | | | 110 | 19 | <1 | 24 |
| AR-95-713 | 28500 | 33 | 65 | 95 | 106 | 466 | 297 | 89 | 8 | 2903 | 11300 | 23000 | 1096 | 52 | 318 |
| AR-95-714 | 5 | <20 | <5 | 1 | 9 | 1 | 8 | 12 | 14 | | | <100 | 12 | <1 | 4 |
| AR-95-715 | 5 | <20 | <5 | 19 | 26 | 1 | <5 | 32 | 34 | | | <100 | 12 | <1 | 19 |
| AR-95-800 | 4 | <20 | <5 | 5 | <5 | 0 | <5 | <2 | 7 | | | 100 | 29 | <1 | <2 |
| AR-95-801 | 3 | <20 | <5 | 3 | <5 | 0 | <5 | 3 | 9 | | | <100 | 43 | <1 | 8 |
| AR-95-802 | 13000 | 24 | 60 | 39 | 51 | 33 | 18 | 28 | 4 | 727 | 950 | 9900 | 1681 | 14 | 340 |
| AR-95-803 | 17100 | 39 | <28 | <6 | <5 | 5 | <5 | 37 | 2 | 155 | 7500 | 740 | 115 | 15 | 21 |
| AR-95-804 | 7350 | 44 | 37 | 16 | 25 | 13 | 8 | 26 | 8 | 373 | 300 | 6800 | 1922 | 4 | 484 |
| AR-95-805 | 6 | <20 | <5 | 2 | 6 | 0 | <5 | 5 | 7 | | | <100 | 71 | <1 | 6 |
| AR-95-806 | 96 | 81 | <5 | 13 | 11 | 0 | <5 | 11 | 10 | 14 | 170 | <100 | 46 | <1 | 22 |
| AR-95-807 | <50 | 20 | <5 | 2 | <5 | 0 | <5 | 6 | 6 | 11 | 110 | <100 | 14 | <1 | 6 |
| AR-95-809 | 44000 | 97 | <71 | <14 | 12 | 8 | <5 | 83 | 2 | 438 | 1870 | 3000 | 1131 | 65 | 57 |
| AR-95-810 | 37000 | 40 | 68 | <12 | 23 | 18 | 12 | 53 | 2 | 1451 | 4800 | 2500 | 1306 | 58 | 83 |
| AR-95-811 | 62000 | 36 | <120 | <14 | 31 | 34 | 14 | 45 | 3 | 549 | 390 | 10400 | >2000 | 144 | 38 |
| AR-95-812 | 321 | 238 | <5 | 63 | 62 | 1 | <5 | 8 | 9 | | | 470 | 97 | <1 | 22 |
| AR-95-813 | 4150 | 94 | <11 | <1 | <5 | 2 | <5 | 9 | 4 | 57 | 1070 | 1200 | 408 | 3 | 63 |
| AR-95-814 | 44 | 66 | <5 | 46 | 51 | 16 | 7 | 24 | 27 | | | 140 | 35 | 1 | 114 |
| AR-95-815 | 874 | 75 | <5 | 4 | <5 | 0 | <5 | 8 | 5 | 21 | 210 | 160 | 36 | 1 | 8 |
| AR-95-816 | 500 | 223 | <5 | 12 | <5 | 1 | <5 | 4 | 7 | | | 160 | 85 | 1 | 11 |
| AR-95-817 | 31 | 36 | <5 | 1 | <5 | 0 | <5 | 9 | 7 | | | <100 | 22 | <1 | 20 |
| AR-95-818 | 110 | 143 | <5 | <1 | <5 | 0 | <5 | 6 | 7 | | | <100 | 25 | <1 | 29 |
| AR-95-819 | 62000 | 37 | <92 | 51 | 74 | 142 | 84 | 110 | 2 | 677 | 18000 | 6600 | 1970 | 116 | 41 |
| AR-95-820 | 8760 | 82 | 29 | <3 | 6 | 12 | 11 | 15 | 2 | 135 | 5400 | 1900 | 1026 | 14 | 39 |
| AR-95-821 | 22200 | 25 | <34 | <8 | 31 | 10 | 7 | 46 | 1 | 623 | 750 | 2000 | 974 | 20 | 19 |
| AR-95-822 | 54 | 64 | <5 | <1 | <5 | 0 | <5 | 4 | 3 | | | <100 | 15 | <1 | 8 |
| AR-95-823 | 202 | 225 | <5 | 2 | <5 | 1 | <5 | 17 | 14 | | | 120 | 57 | <1 | 5 |
| AR-95-824 | 265 | 220 | 47 | 5 | <5 | 2 | <5 | 14 | 22 | 304 | 350 | <100 | 7 | <1 | 24 |
| AR-95-825 | 13 | <20 | <5 | <1 | <5 | 0 | <5 | 11 | 7 | | | <100 | 30 | <1 | <2 |
| AR-95-826 | <50 | 83 | <5 | 3 | <5 | 0 | <5 | 8 | 11 | | | 260 | 50 | <1 | 6 |
| AR-95-900 | 58000 | 57 | 470 | <19 | 10 | 33 | 19 | 88 | 3 | 753 | 4650 | 1500 | 976 | 102 | 119 |
| AR-95-901 | 51000 | 68 | <92 | <17 | 14 | 18 | 9 | 49 | 3 | 988 | 6000 | 5000 | 1937 | 80 | 100 |
| AR-95-903 | 27700 | 70 | <54 | <10 | <5 | 21 | 10 | 38 | 4 | 606 | 245 | 9900 | >2000 | 45 | 207 |
| AR-95-904 | 14700 | 46 | 89 | 10 | 23 | 118 | 79 | 34 | 4 | 1700 | 11700 | 3400 | 1549 | 15 | 333 |
| AR-95-905 | 57000 | 26 | <110 | 117 | 100 | 21 | 8 | 77 | 7 | 2051 | 3100 | 11700 | 1493 | 121 | 51 |
| AR-95-906 | 29400 | 28 | <49 | <11 | 48 | 39 | 22 | 67 | 3 | 763 | 6200 | 5200 | >2000 | 33 | 98 |
| AR-95-909 | 52000 | 46 | <88 | <17 | <5 | 45 | 25 | 57 | 3 | 54 | 2500 | 4400 | 1720 | 101 | 574 |
| AR-95-911 | 110000 | 23 | <210 | 43 | 54 | 18 | <5 | 64 | 3 | 1999 | 1040 | 3800 | 1308 | 248 | 77 |

## Albert River

## Rock Sample Analyses (part 2)

| Sample ID | INAA U ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | INAA Zn ppm | ICP Zn ppm | ICP Cu ppm | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-231 | 2 | <2 | <500 | 6 | <200 | 64 | 65 | <5 | <0.2 | 267 | 58 | 33 | 23 | 20 | 99 | 26 |
| AR-95-235 | 3 | <2 | <500 | 5 | <200 | 52 | 19 | <5 | <0.2 | 222 | 29 | 38 | 13 | 15 | 250 | 118 |
| AR-95-241 | 3 | 2 | <500 | 10 | <200 | 65 | 15 | <5 | <0.2 | 80 | 40 | 36 | 15 | 14 | 120 | 29 |
| AR-95-242 | 2 | 3 | <500 | 9 | <200 | 63 | 16 | <5 | <0.2 | 406 | <20 | 19 | <10 | 9 | 68 | 20 |
| AR-95-272 | 3 | <2 | <500 | 5 | <200 | 48 | 12 | <5 | <0.2 | 342 | 31 | 21 | 11 | 10 | 88 | 18 |
| AR-95-273 | 4 | <2 | <500 | 10 | <200 | 73 | 7 | <5 | <0.2 | 562 | 42 | 15 | <10 | 9 | 100 | 30 |
| AR-95-432 | 5 | 6 | <500 | 5 | <200 | 129 | 34 | <5 | 0.3 | 445 | <20 | 33 | 17 | 17 | 77 | 12 |
| AR-95-433 | 4 | 4 | <500 | 4 | <200 | 138 | 35 | <5 | <0.2 | 547 | 58 | 32 | 19 | 17 | 57 | 11 |
| AR-95-700 | 0 | <2 | <500 | 2 | <200 | 39 | 24 | <5 | 0.9 | 202 | <20 | 9 | <10 | 3 | 190 | 101 |
| AR-95-702 | 3 | <2 | <500 | 9 | <200 | 128 | 15 | <5 | <0.2 | 169 | <20 | 18 | <10 | 5 | 180 | 115 |
| AR-95-703 | 55 | 297 | 7500 | 8 | 1800 | 2240 | 20 | <5 | <0.2 | 249 | <79 | 6 | <10 | 2 | 410 | 55 |
| AR-95-704 | 6 | 24 | 700 | 10 | <200 | 34 | 24 | <5 | 0.3 | 240 | <20 | 1 | <10 | <1 | 85 | 5 |
| AR-95-705 | 1 | <2 | <500 | 24 | <200 | 40 | 69 | <5 | <0.2 | 230 | <20 | 17 | <10 | 7 | <50 | 7 |
| AR-95-706 | 2 | <2 | <500 | 2 | <200 | 39 | 193 | <5 | <0.2 | 89 | 29 | 24 | 27 | 25 | 110 | 85 |
| AR-95-707 | 8 | 11 | <500 | 47 | <200 | 28 | 23 | <5 | 1.5 | 190 | <20 | 5 | <10 | 2 | <50 | 16 |
| AR-95-708 | 3 | 3 | <500 | 11 | 3000 | 3117 | 76 | <5 | <0.2 | 715 | 45 | 47 | 32 | 29 | 69 | 19 |
| AR-95-709 | 4 | <2 | <500 | 31 | <200 | 68 | 35 | <5 | <0.2 | 166 | 40 | 41 | 21 | 21 | 110 | 26 |
| AR-95-711 | 2 | <2 | <500 | 11 | <200 | 7 | 208 | <5 | 0.2 | 327 | 63 | 62 | 70 | 59 | 200 | 128 |
| AR-95-712 | 1 | <2 | <500 | 2 | <200 | 47 | 80 | <5 | <0.2 | 188 | 36 | 34 | 21 | 22 | 360 | 257 |
| AR-95-713 | 39 | 190 | 4100 | 13 | 250 | 149 | 28 | <5 | 0.8 | 180 | <54 | 9 | <10 | 4 | <150 | 33 |
| AR-95-714 | 1 | <2 | <500 | 4 | <200 | 24 | 8 | <5 | <0.2 | 64 | <20 | 10 | <10 | 2 | 510 | 441 |
| AR-95-715 | 2 | <2 | <500 | 9 | <200 | 36 | 17 | <5 | <0.2 | 54 | <20 | 16 | <10 | 7 | 470 | 369 |
| AR-95-800 | 0 | <2 | <500 | 2 | <200 | 100 | 23 | <5 | <0.2 | 292 | 20 | 23 | <10 | 6 | <50 | 6 |
| AR-95-801 | 2 | <2 | <500 | 10 | <200 | 39 | 41 | <5 | <0.2 | 288 | <20 | 18 | 12 | 12 | 60 | 41 |
| AR-95-802 | 15 | 38 | 1200 | 3 | <200 | 47 | 21 | <5 | 1.1 | 231 | <20 | 4 | <10 | 1 | 150 | 20 |
| AR-95-803 | 24 | 43 | 1400 | 5 | <200 | 10 | 18 | <5 | <0.2 | 259 | <20 | <1 | <10 | <1 | <50 | 6 |
| AR-95-804 | 13 | 14 | <500 | 6 | 270 | 272 | 25 | <5 | 1.2 | 196 | <20 | 7 | <10 | 2 | 180 | 72 |
| AR-95-805 | 0 | <2 | <500 | 10 | <200 | 35 | 11 | <5 | <0.2 | 166 | <20 | 17 | <10 | 4 | 200 | 137 |
| AR-95-806 | 1 | <2 | <500 | 10 | <200 | 43 | 2344 | <5 | 1.0 | 88 | <20 | 15 | <10 | 5 | 380 | 271 |
| AR-95-807 | 0 | <2 | <500 | 1 | <200 | 57 | 1222 | <5 | 0.7 | 157 | <20 | 6 | <10 | 2 | 220 | 133 |
| AR-95-809 | 66 | 120 | 3500 | 13 | <200 | 22 | 29 | <5 | 0.8 | 201 | <50 | 2 | <10 | <1 | 310 | 18 |
| AR-95-810 | 78 | 98 | 2900 | 5 | <200 | 64 | 23 | <5 | 0.9 | 212 | <41 | 2 | <10 | <1 | <190 | 16 |
| AR-95-811 | 102 | 577 | >10000 | 6 | <670 | 47 | 21 | <11 | 0.9 | 218 | <120 | 3 | <10 | <1 | 800 | 25 |
| AR-95-812 | 3 | 3 | <500 | 37 | 270 | 286 | 1817 | <5 | <0.2 | 34 | 54 | 30 | <10 | 7 | 95 | 43 |
| AR-95-813 | 8 | 29 | 790 | 20 | <200 | 50 | 54 | <5 | <0.2 | 608 | <20 | 28 | 21 | 18 | <50 | 15 |
| AR-95-814 | 5 | <2 | <500 | 15 | <200 | 87 | 117 | <5 | <0.2 | 244 | 100 | 102 | 37 | 39 | 210 | 144 |
| AR-95-815 | 2 | <2 | <500 | 9 | <200 | 57 | 1300 | <5 | 0.8 | 127 | <20 | 5 | <10 | 1 | 220 | 133 |
| AR-95-816 | 2 | 4 | <500 | 28 | <200 | 97 | 484 | <5 | <0.2 | 486 | 160 | 133 | 71 | 67 | 90 | 52 |
| AR-95-817 | 0 | <2 | <500 | 4 | <200 | 49 | 17 | <5 | <0.2 | 294 | <20 | 6 | <10 | 2 | 210 | 135 |
| AR-95-818 | 0 | <2 | <500 | 16 | <200 | 15 | 23 | <5 | <0.2 | 231 | <20 | 12 | <10 | 5 | 290 | 158 |
| AR-95-819 | 140 | 254 | 4500 | 12 | <200 | 9 | 28 | <5 | 1.2 | 153 | <71 | 8 | <10 | 4 | 470 | 74 |
| AR-95-820 | 17 | 97 | 2100 | 10 | <200 | 11 | 23 | <5 | 0.4 | 259 | <20 | 1 | <10 | <1 | <150 | 12 |
| AR-95-821 | 42 | 54 | 2200 | 2 | <200 | 18 | 21 | <5 | 0.7 | 206 | <20 | 2 | <10 | <1 | 160 | 12 |
| AR-95-822 | 0 | <2 | <500 | 8 | <200 | 30 | 18 | <5 | <0.2 | 179 | 21 | 19 | <10 | 6 | 200 | 119 |
| AR-95-823 | 1 | <2 | <500 | 27 | <200 | 26 | 30 | <5 | <0.2 | 91 | <20 | 17 | <10 | 4 | 480 | 308 |
| AR-95-824 | 17 | <2 | <500 | 31 | 3200 | 2792 | >20000 | 20 | 21.7 | 88 | 430 | 379 | 100 | 73 | 240 | 149 |
| AR-95-825 | 0 | <2 | <500 | 2 | <200 | 10 | 8 | <5 | <0.2 | 75 | <20 | 6 | <10 | <1 | 480 | 319 |
| AR-95-826 | 2 | <2 | <500 | 10 | 1800 | 2104 | 12509 | <5 | 2.2 | 158 | <20 | 18 | 10 | 10 | 350 | 233 |
| AR-95-900 | 138 | 212 | 5500 | 7 | <450 | 55 | 194 | <5 | 0.6 | 242 | <60 | 2 | <10 | <1 | <470 | 23 |
| AR-95-901 | 118 | 120 | 3000 | 10 | <200 | 38 | 64 | <5 | 1.1 | 234 | <53 | 2 | <10 | <1 | 430 | 13 |
| AR-95-903 | 60 | 69 | 2600 | 8 | <200 | 27 | 23 | <5 | 1.3 | 310 | <20 | 3 | <10 | <1 | 420 | 56 |
| AR-95-904 | 22 | 42 | 1400 | 7 | <200 | 80 | 29 | <5 | 0.9 | 280 | <20 | 2 | <10 | <1 | <50 | 20 |
| AR-95-905 | 132 | 180 | 3500 | 7 | <200 | 141 | 15 | <5 | 0.7 | 162 | <75 | 9 | <10 | 3 | <360 | 53 |
| AR-95-906 | 57 | 120 | 3300 | 6 | <200 | 44 | 20 | <5 | 1.0 | 220 | <44 | 4 | <10 | 2 | 280 | 22 |
| AR-95-909 | 147 | 160 | 3900 | 5 | <200 | 8 | 20 | <5 | 0.9 | 244 | <58 | <1 | <10 | <1 | <270 | 4 |
| AR-95-911 | 210 | 447 | 8400 | 3 | <630 | 123 | 17 | <18 | 0.5 | 123 | <120 | 7 | <10 | 2 | <700 | 55 |

## Albert River

## Rock Sample Analyses (part 3)

| Sample ID | ICP Bi ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm | INAA Th ppm | ICP V ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-231 | <5 | <10 | <0.2 | <2 | 36 | 12 | 9 | 163 | 8.4 | 4.1 | 2.7 | 1.8 | 1.8 | 0.3 |
| AR-95-235 | <5 | <10 | <0.2 | <2 | 28 | 10 | 6 | 3 | 0.1 | 3.5 | 2.6 | 1.6 | 1.3 | 0.2 |
| AR-95-241 | <5 | <10 | <0.2 | 5 | 44 | 15 | 11 | 15 | 0.6 | 3.5 | 2.4 | 2.3 | 2.0 | 0.5 |
| AR-95-242 | <5 | <10 | <0.2 | <2 | 24 | 13 | 6 | 164 | >10.0 | 2.8 | 2.0 | 2.2 | 1.0 | 0.4 |
| AR-95-272 | <5 | <10 | <0.2 | <2 | 26 | 11 | 7 | 211 | >10.0 | 3.2 | 2.1 | 1.5 | 1.3 | 0.3 |
| AR-95-273 | <5 | <10 | <0.2 | <2 | 15 | 13 | 4 | 134 | 8.2 | 3.3 | 2.4 | 1.6 | 0.7 | 0.4 |
| AR-95-432 | <5 | <10 | 0.3 | <2 | 25 | 15 | 12 | 108 | 2.6 | 3.4 | 2.8 | 2.1 | 1.2 | 0.1 |
| AR-95-433 | <5 | <10 | 0.6 | <2 | 24 | 14 | 12 | 115 | 2.9 | 3.4 | 2.7 | 2.0 | 1.1 | 0.1 |
| AR-95-700 | <5 | <10 | 0.3 | <2 | 1 | 1 | 7 | 468 | >10.0 | 0.9 | 0.7 | 0.7 | 0.1 | 0.1 |
| AR-95-702 | <5 | <10 | 0.3 | <2 | 4 | 6 | 14 | 190 | 7.9 | 1.6 | 1.3 | 4.1 | 0.2 | 0.1 |
| AR-95-703 | <5 | <130 | 5.0 | <2 | 3 | <8 | 7 | 458 | >10.0 | 1.1 | 0.9 | 1.7 | 0.3 | 0.2 |
| AR-95-704 | <5 | <21 | <0.2 | <2 | <1 | 0 | 7 | 943 | >10.0 | <0.5 | 0.2 | 0.3 | 0.1 | 0.0 |
| AR-95-705 | <5 | <10 | <0.2 | <2 | 9 | 2 | 4 | 698 | >10.0 | 2.4 | 2.0 | 0.8 | 0.5 | 0.2 |
| AR-95-706 | <5 | <10 | <0.2 | 21 | 5 | 3 | 5 | 10 | 0.3 | >10.0 | >10.0 | 0.1 | 0.4 | 0.2 |
| AR-95-707 | <5 | <30 | <0.2 | <2 | 6 | 0 | 17 | 709 | >10.0 | 0.5 | 0.4 | 0.5 | 0.7 | 0.4 |
| AR-95-708 | <5 | <10 | 4.8 | <2 | 10 | 12 | 5 | 181 | 8.1 | 4.1 | 3.3 | 4.2 | 0.6 | 0.4 |
| AR-95-709 | <5 | <10 | <0.2 | 4 | 27 | 13 | 13 | 45 | 3.6 | 4.4 | 3.5 | 1.0 | 1.1 | 0.8 |
| AR-95-711 | <5 | <10 | <0.2 | <2 | <1 | 0 | <1 | 340 | 9.1 | 3.1 | 2.8 | 0.1 | 0.1 | 0.0 |
| AR-95-712 | <5 | <10 | 0.3 | <2 | 7 | 1 | 5 | 137 | 4.3 | 2.4 | 2.4 | 0.4 | 0.5 | 0.1 |
| AR-95-713 | <5 | <88 | 0.3 | <2 | 12 | 0 | 34 | 640 | >10.0 | 1.4 | 0.8 | 0.3 | 1.1 | 0.6 |
| AR-95-714 | <5 | <10 | <0.2 | <2 | <1 | 1 | 2 | 36 | 1.1 | 0.6 | 0.7 | 0.0 | 0.1 | 0.0 |
| AR-95-715 | <5 | <10 | <0.2 | <2 | <1 | 1 | 2 | 29 | 1.1 | 1.4 | 1.4 | 0.0 | 0.1 | 0.0 |
| AR-95-800 | <5 | <10 | <0.2 | <2 | 8 | 1 | 7 | 297 | >10.0 | 5.8 | 4.4 | 7.5 | 0.2 | 0.1 |
| AR-95-801 | <5 | <10 | <0.2 | <2 | 40 | 3 | 7 | 417 | >10.0 | 3.8 | 3.1 | 1.8 | 1.1 | 0.3 |
| AR-95-802 | <5 | <42 | <0.2 | <2 | 1 | 0 | 10 | 543 | >10.0 | 0.6 | 0.4 | 0.4 | 0.1 | 0.1 |
| AR-95-803 | <5 | <53 | <0.2 | <2 | <1 | <2 | 8 | 481 | >10.0 | <0.5 | 0.1 | 0.1 | 0.1 | 0.1 |
| AR-95-804 | <5 | <36 | 0.9 | <2 | 1 | 0 | 5 | 511 | >10.0 | 0.8 | 0.6 | 0.6 | 0.1 | 0.1 |
| AR-95-805 | <5 | <10 | <0.2 | <2 | 6 | 0 | 5 | 275 | 8.0 | 1.5 | 1.5 | 0.9 | 0.4 | 0.0 |
| AR-95-806 | <5 | <10 | 0.5 | <2 | 2 | 0 | 2 | 53 | 2.1 | 1.2 | 1.1 | 0.1 | 0.1 | 0.1 |
| AR-95-807 | <5 | <10 | <0.2 | <2 | <1 | 0 | <1 | 296 | 8.2 | 0.9 | 0.7 | 0.1 | 0.0 | 0.0 |
| AR-95-809 | <5 | <130 | <0.2 | <2 | 3 | <4 | 6 | 544 | >10.0 | <0.5 | 0.2 | 0.2 | 0.2 | 0.1 |
| AR-95-810 | <5 | <110 | 0.2 | <2 | 3 | <4 | 7 | 588 | >10.0 | <0.5 | 0.2 | 0.2 | 0.2 | 0.1 |
| AR-95-811 | <5 | <200 | <0.2 | <2 | 2 | <12 | 4 | 678 | >10.0 | 0.9 | 0.3 | 0.2 | 0.1 | 0.0 |
| AR-95-812 | <5 | <10 | <0.2 | 9 | 10 | 12 | 7 | 21 | 0.5 | 8.4 | 7.2 | 0.2 | 0.7 | 0.5 |
| AR-95-813 | <5 | <29 | <0.2 | 3 | 24 | 7 | 12 | 312 | >10.0 | 4.4 | 3.0 | 2.5 | 1.5 | 0.6 |
| AR-95-814 | <5 | <10 | <0.2 | 3 | 3 | 3 | 3 | 245 | >10.0 | 5.0 | 4.4 | 0.2 | 0.2 | 0.1 |
| AR-95-815 | <5 | <10 | <0.2 | <2 | 2 | 0 | 2 | 176 | 7.7 | 0.7 | 0.6 | 0.2 | 0.1 | 0.1 |
| AR-95-816 | <5 | <10 | <0.2 | 9 | 16 | 0 | 8 | 196 | >10.0 | >10.0 | 7.5 | 2.6 | 0.7 | 0.2 |
| AR-95-817 | <5 | <10 | <0.2 | <2 | 2 | 1 | 2 | 542 | >10.0 | 0.9 | 0.7 | 0.3 | 0.1 | 0.1 |
| AR-95-818 | <5 | <10 | <0.2 | <2 | 3 | 1 | 2 | 447 | 9.7 | 1.1 | 0.8 | 0.3 | 0.2 | 0.1 |
| AR-95-819 | <5 | <160 | <0.2 | <2 | 4 | <5 | 12 | 466 | >10.0 | 0.9 | 0.5 | 0.1 | 0.5 | 0.3 |
| AR-95-820 | <5 | <48 | <0.2 | <2 | 1 | <2 | 8 | 671 | >10.0 | <0.5 | 0.2 | 0.2 | 0.1 | 0.1 |
| AR-95-821 | <5 | <66 | <0.2 | <2 | 2 | <2 | 6 | 673 | >10.0 | 0.5 | 0.3 | 0.3 | 0.1 | 0.1 |
| AR-95-822 | <5 | <10 | <0.2 | <2 | 8 | 1 | 4 | 316 | 7.3 | 1.7 | 1.4 | 0.7 | 0.6 | 0.0 |
| AR-95-823 | <5 | <10 | <0.2 | <2 | 5 | 2 | 4 | 34 | 1.7 | 1.2 | 0.9 | 0.3 | 0.3 | 0.2 |
| AR-95-824 | <5 | <10 | 1.7 | 18 | 12 | 1 | 5 | 11 | 0.2 | >10.0 | >10.0 | 0.6 | 0.8 | 0.1 |
| AR-95-825 | <5 | <10 | 0.3 | <2 | <1 | 0 | 1 | 64 | 2.2 | 0.5 | 0.5 | 0.1 | 0.0 | 0.0 |
| AR-95-826 | <5 | <10 | 10.3 | <2 | 11 | 2 | 6 | 56 | 2.5 | 1.5 | 1.1 | 0.4 | 0.7 | 0.4 |
| AR-95-900 | <5 | <170 | 0.5 | <2 | 1 | <7 | 7 | 599 | >10.0 | <0.5 | 0.2 | 0.1 | 0.1 | 0.1 |
| AR-95-901 | <5 | <150 | <0.2 | <2 | 4 | <6 | 7 | 596 | >10.0 | <0.5 | 0.2 | 0.2 | 0.3 | 0.2 |
| AR-95-903 | <5 | <93 | <0.2 | <2 | 1 | <3 | 2 | 739 | >10.0 | 0.6 | 0.5 | 0.2 | 0.1 | 0.0 |
| AR-95-904 | <5 | <48 | <0.2 | <2 | <1 | <2 | 10 | 579 | >10.0 | <0.5 | 0.2 | 0.4 | 0.1 | 0.1 |
| AR-95-905 | <5 | <200 | <0.2 | <2 | 5 | <7 | 7 | 324 | >10.0 | 1.1 | 1.1 | 0.9 | 0.5 | 0.3 |
| AR-95-906 | <5 | <93 | 0.2 | <2 | 8 | <3 | 11 | 536 | >10.0 | 1.0 | 0.5 | 0.5 | 0.6 | 0.3 |
| AR-95-909 | <5 | <150 | <0.2 | <2 | <1 | <5 | 6 | 602 | >10.0 | <0.5 | 0.1 | 0.1 | 0.0 | 0.0 |
| AR-95-911 | <5 | <340 | <0.2 | <2 | 3 | <13 | 3 | 437 | >10.0 | 1.3 | 0.8 | 0.5 | 0.2 | 0.1 |

## Albert River

### Rock Sample Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-231 | 0.4 | <0.01 | <0.01 | 77 | 3 | <2 | <100 | 44 | 15 | <0.5 | <1 | 150 | 14 | <5 |
| AR-95-235 | 0.4 | <0.01 | <0.01 | 46 | 3 | <2 | <100 | 32 | 28 | <0.5 | <1 | 130 | 11 | <5 |
| AR-95-241 | 0.3 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 51 | 44 | <0.5 | <1 | 220 | 16 | <5 |
| AR-95-242 | 0.7 | <0.01 | <0.01 | 58 | 2 | <2 | <100 | 34 | 15 | <0.5 | <1 | 100 | 7 | <5 |
| AR-95-272 | 0.4 | <0.01 | <0.01 | 56 | 3 | <2 | <100 | 34 | 17 | <0.5 | <1 | 140 | 12 | <5 |
| AR-95-273 | 0.6 | <0.01 | <0.01 | 46 | 3 | <2 | <100 | 28 | 13 | <0.5 | <1 | 120 | 10 | <5 |
| AR-95-432 | 0.9 | <0.01 | <0.01 | 83 | 4 | <2 | <100 | 43 | 19 | <0.5 | <1 | 160 | 10 | <5 |
| AR-95-433 | 0.9 | <0.01 | 0.01 | 61 | 3 | <2 | <100 | 41 | 20 | <0.5 | <1 | 140 | 10 | <5 |
| AR-95-700 | 0.0 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | <1 | <0.5 | 10 | 25 | 5 | <5 |
| AR-95-702 | 2.0 | 0.03 | <0.01 | 12 | <1 | <2 | <100 | 7 | 5 | <0.5 | 5 | 29 | 5 | <5 |
| AR-95-703 | 0.1 | 0.01 | <0.01 | <140 | <2 | 3 | <650 | 10 | 2 | <2.7 | 11 | 41 | 5 | <5 |
| AR-95-704 | 0.0 | 0.02 | <0.01 | <10 | <1 | <2 | <100 | 11 | 7 | 0.7 | 21 | <10 | 7 | 6 |
| AR-95-705 | 0.1 | 0.01 | <0.01 | 21 | 1 | <2 | <100 | 13 | 7 | <0.5 | 17 | 44 | 4 | <5 |
| AR-95-706 | 0.0 | <0.01 | <0.01 | <10 | 2 | <2 | <100 | 7 | 3 | <0.5 | 1 | 68 | 5 | <5 |
| AR-95-707 | 0.0 | 0.13 | <0.01 | <10 | <1 | <2 | <100 | <5 | 1 | <0.5 | 19 | 20 | 4 | <5 |
| AR-95-708 | 0.4 | 0.01 | <0.01 | 48 | 3 | <2 | <100 | 29 | 5 | <0.5 | 6 | 120 | 9 | <5 |
| AR-95-709 | 0.2 | <0.01 | 0.02 | 66 | 6 | <2 | <100 | 45 | 10 | <0.5 | 3 | 160 | 15 | <5 |
| AR-95-711 | 0.0 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 2 | <0.5 | 8 | <10 | 2 | <5 |
| AR-95-712 | 0.1 | <0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 3 | <0.5 | 3 | 12 | 1 | <5 |
| AR-95-713 | 0.0 | 0.02 | <0.01 | <42 | 2 | <4 | <250 | 11 | 3 | <1.0 | 14 | 48 | 5 | <5 |
| AR-95-714 | 0.1 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | <1 | <0.5 | <1 | <10 | 1 | <5 |
| AR-95-715 | 0.1 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | <1 | <0.5 | <1 | <10 | 0 | <5 |
| AR-95-800 | 0.1 | 0.02 | <0.01 | 19 | 2 | <2 | <100 | 12 | 7 | <0.5 | 12 | 42 | 4 | <5 |
| AR-95-801 | 0.4 | 0.02 | <0.01 | 21 | 2 | <2 | <100 | 17 | 8 | <0.5 | 16 | 24 | 3 | <5 |
| AR-95-802 | 0.0 | 0.01 | <0.01 | <20 | <1 | <2 | <100 | <5 | 1 | <0.5 | 18 | 11 | 6 | <5 |
| AR-95-803 | 0.1 | 0.03 | <0.01 | <24 | <1 | <2 | <100 | <5 | <1 | 0.9 | 20 | <10 | 12 | 7 |
| AR-95-804 | 0.0 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | 6 | 2 | <0.5 | 14 | 13 | 3 | <5 |
| AR-95-805 | 0.5 | 0.02 | <0.01 | <10 | <1 | <2 | <100 | <5 | 3 | <0.5 | 6 | <10 | 1 | <5 |
| AR-95-806 | 0.2 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 2 | <0.5 | 2 | 11 | 1 | <5 |
| AR-95-807 | 0.1 | <0.01 | <0.01 | 33 | <1 | <2 | <100 | 14 | 7 | <0.5 | 7 | <10 | 2 | <5 |
| AR-95-809 | 0.2 | 0.01 | <0.01 | <66 | <1 | 2 | <400 | <5 | 1 | <1.6 | 19 | <10 | 6 | <5 |
| AR-95-810 | 0.0 | 0.02 | <0.01 | <57 | <1 | <2 | <340 | <5 | 2 | <1.4 | 18 | <10 | 6 | <5 |
| AR-95-811 | 0.1 | 0.02 | <0.01 | <220 | <4 | <2 | <990 | 7 | 3 | <4.1 | 18 | 35 | 9 | 6 |
| AR-95-812 | 0.1 | 0.01 | <0.01 | 38 | 5 | <2 | <100 | 24 | 10 | <0.5 | 1 | 150 | 9 | <5 |
| AR-95-813 | 0.3 | 0.01 | 0.02 | 36 | 4 | <2 | <100 | 34 | 8 | 1.0 | 9 | 120 | 13 | <5 |
| AR-95-814 | 0.0 | <0.01 | <0.01 | 12 | <1 | <2 | <100 | 6 | 2 | <0.5 | 8 | 19 | 2 | <5 |
| AR-95-815 | 0.1 | <0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 3 | <0.5 | 6 | <10 | 1 | <5 |
| AR-95-816 | 1.1 | 0.01 | <0.01 | <10 | 2 | <2 | <100 | <5 | 1 | <0.5 | 9 | 13 | 3 | <5 |
| AR-95-817 | 0.1 | 0.01 | <0.01 | 19 | <1 | <2 | <100 | 9 | 7 | <0.5 | 9 | <10 | 2 | <5 |
| AR-95-818 | 0.1 | 0.01 | <0.01 | 25 | <1 | 2 | <100 | 10 | 7 | <0.5 | 7 | 15 | 2 | <5 |
| AR-95-819 | <0.2 | 0.04 | <0.01 | <84 | <1 | 5 | <490 | 8 | 3 | <2.1 | 13 | <29 | 5 | <5 |
| AR-95-820 | 0.0 | 0.03 | <0.01 | <56 | <1 | <2 | <250 | <5 | 1 | 1.1 | 20 | 14 | 6 | <5 |
| AR-95-821 | 0.0 | 0.01 | <0.01 | <30 | <1 | <2 | <100 | <5 | <1 | <0.5 | 18 | 21 | 6 | <5 |
| AR-95-822 | 0.5 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | 3 | <0.5 | 5 | <10 | 2 | <5 |
| AR-95-823 | 0.2 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | 6 | 4 | <0.5 | 1 | 30 | 2 | <5 |
| AR-95-824 | 0.0 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | <1 | <0.5 | 3 | <10 | 1 | <5 |
| AR-95-825 | 0.2 | 0.01 | <0.01 | <10 | <1 | <2 | <100 | <5 | <1 | <0.5 | 2 | <10 | 0 | <5 |
| AR-95-826 | 0.2 | 0.01 | <0.01 | <10 | 2 | <2 | <100 | <5 | 3 | <0.5 | 3 | 53 | 4 | <5 |
| AR-95-900 | 0.2 | 0.02 | <0.01 | <140 | 2 | <2 | <740 | <5 | <1 | <3.5 | 19 | <23 | 4 | <5 |
| AR-95-901 | 0.0 | 0.02 | <0.01 | <110 | <1 | 2 | <570 | <5 | <1 | <2.5 | 18 | 21 | 6 | <5 |
| AR-95-903 | 0.2 | 0.01 | <0.01 | <55 | <1 | 2 | <310 | 7 | 6 | <1.3 | 16 | <10 | 3 | <5 |
| AR-95-904 | 0.0 | 0.05 | <0.01 | <23 | 1 | <2 | <100 | <5 | <1 | <0.5 | 20 | <10 | 6 | <5 |
| AR-95-905 | <0.1 | 0.01 | <0.01 | <110 | <2 | <2 | <630 | 11 | 3 | <2.7 | 9 | 33 | 4 | <5 |
| AR-95-906 | 0.0 | 0.02 | <0.01 | <43 | 1 | <2 | <260 | <5 | <1 | <1.0 | 16 | 24 | 7 | <5 |
| AR-95-909 | <0.1 | 0.02 | <0.01 | <85 | <1 | 3 | <480 | <5 | <1 | <2.0 | 20 | <20 | 6 | <5 |
| AR-95-911 | 0.5 | 0.01 | <0.01 | <220 | <4 | <2 | <9 | 8 | 2 | <5.2 | 9 | 52 | 4 | <5 |

## Albert River

### Rock Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | ICP Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| AR-95-231 | <10 | 6 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-235 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-241 | <10 | 6 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 3 | <5 |
| AR-95-242 | <10 | 5 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 10 | <5 |
| AR-95-272 | <10 | 5 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 9 | <5 |
| AR-95-273 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-432 | <10 | 6 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 11 | <5 |
| AR-95-433 | <10 | 6 | <200 | <20 | 1 | <10 | <1 | <20 | <10 | 13 | <5 |
| AR-95-700 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-702 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-703 | <92 | 2 | <3300 | <20 | <1 | <10 | <5 | <330 | <10 | 11 | <17 |
| AR-95-704 | <10 | 3 | <450 | <20 | <1 | <10 | <1 | <57 | <10 | 13 | <5 |
| AR-95-705 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 10 | <5 |
| AR-95-706 | 12 | 1 | <200 | <20 | <1 | 23 | <1 | <20 | 12 | 3 | <5 |
| AR-95-707 | <10 | 1 | <520 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-708 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-709 | <10 | 5 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-711 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 20 | <5 |
| AR-95-712 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 6 | <5 |
| AR-95-713 | <34 | 3 | <1400 | <20 | <1 | <10 | <1 | <100 | <10 | 15 | <5 |
| AR-95-714 | <10 | 0 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 1 | <5 |
| AR-95-715 | <10 | 0 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 1 | <5 |
| AR-95-800 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-801 | <10 | 3 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 9 | <5 |
| AR-95-802 | <10 | 2 | <630 | <20 | <1 | <10 | <1 | <45 | <10 | 11 | <5 |
| AR-95-803 | <10 | 3 | <770 | <20 | <1 | <10 | <1 | <54 | <10 | 19 | 7 |
| AR-95-804 | <10 | 2 | <470 | <20 | <1 | <10 | <1 | <20 | <10 | 7 | <5 |
| AR-95-805 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-806 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 3 | <5 |
| AR-95-807 | <10 | 4 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 12 | <5 |
| AR-95-809 | <53 | 6 | <2000 | <20 | <1 | <10 | <3 | <140 | <10 | 22 | <12 |
| AR-95-810 | <46 | 3 | <1700 | <20 | <1 | <10 | <2 | <120 | <10 | 22 | <10 |
| AR-95-811 | <140 | <2 | <5000 | <20 | <1 | <10 | <9 | <510 | <10 | 39 | <27 |
| AR-95-812 | <10 | 2 | <200 | <20 | <1 | 11 | <1 | <20 | <10 | 2 | <5 |
| AR-95-813 | <10 | 5 | <450 | <20 | <1 | <10 | 1 | <45 | <10 | 11 | <5 |
| AR-95-814 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-815 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 4 | <5 |
| AR-95-816 | <10 | 2 | <200 | <20 | <1 | 12 | <1 | <20 | <10 | 12 | <5 |
| AR-95-817 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-818 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 8 | <5 |
| AR-95-819 | <68 | 4 | <2500 | <20 | 1 | <10 | <4 | <180 | <10 | 30 | <15 |
| AR-95-820 | <27 | 2 | <950 | <20 | <1 | <10 | <1 | <140 | <10 | 11 | <5 |
| AR-95-821 | <24 | 2 | <950 | <20 | <1 | <10 | <1 | <67 | <10 | 13 | <5 |
| AR-95-822 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 14 | <5 |
| AR-95-823 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 1 | <5 |
| AR-95-824 | 20 | 0 | <200 | <20 | <1 | 25 | <1 | <20 | 76 | 2 | <5 |
| AR-95-825 | <10 | 0 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 1 | <5 |
| AR-95-826 | <10 | 1 | <200 | <20 | <1 | <10 | <1 | <20 | 22 | 3 | <5 |
| AR-95-900 | <85 | 3 | <2900 | <20 | <1 | <10 | <4 | <300 | <10 | 29 | <23 |
| AR-95-901 | <73 | 5 | <2500 | <20 | <1 | <10 | <3 | <220 | <10 | 25 | <17 |
| AR-95-903 | <41 | 4 | <1500 | <20 | <1 | <10 | <1 | <130 | <10 | 21 | <5 |
| AR-95-904 | <10 | 2 | <770 | <20 | <1 | <10 | <1 | <55 | <10 | 13 | <5 |
| AR-95-905 | <89 | 4 | <3200 | <20 | <1 | <10 | <4 | <230 | <10 | 25 | <19 |
| AR-95-906 | <34 | 3 | <1300 | <20 | <1 | <10 | <1 | <96 | <10 | 16 | <5 |
| AR-95-909 | <68 | 2 | <2400 | <20 | <1 | <10 | <3 | <170 | <10 | 30 | <15 |
| AR-95-911 | <160 | 4 | <5600 | <20 | <1 | <10 | <6 | <440 | <10 | 57 | <36 |

**Project 563**

File: 563\Rock_95.WK1

# Albert River
# Rock Sample Analyses
# 1995

Report Date: 95.12.12
Reference : v95-00916, 945(.1; .3), 957, 1216(.1), 1244(.1)

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | CV-AA Hg ppb | SIE F ppm | INAA Ba ppm | ICP Ba ppm | INAA Br ppm | ICP Pb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs* | | | | | | | | | | | | | | | |
| AR-95-004 | | | | | | | | | | | 1070 | | | | |
| AR-95-009 | <2 | | <5 | | | 0 | | <2 | | | | 130 | | 1 | |
| AR-95-017 | | <20 | | 1 | <5 | | <5 | | 5 | | | | 16 | | 3 |
| AR-95-026 | | <20 | | | <5 | | <5 | | <1 | | | | 10 | | <2 |
| AR-95-050 | | | | | | | | | | | 1070 | | | | |
| AR-95-054 | | <20 | | | 5 | | 5 | | 8 | <10 | | | 155 | | 6 |
| AR-95-055 | <50 | | <5 | 5 | | 1 | | 3 | | | | 320 | | 1 | |
| AR-95-059 | | | | | | | | | | | 920 | | | | |
| AR-95-067 | | | | | | | | | | | 1350 | | | | |
| AR-95-070 | | <20 | | | 5 | | 5 | | 4 | <10 | | | 82 | | 7 |
| AR-95-703 | | | | | | | | | | | 1070 | | | | |
| AR-95-706 | | <20 | | | <5 | | <5 | | 11 | | | | 44 | | 370 |
| AR-95-707 | 8 | | <5 | 2 | | 0 | | 8 | | | | <100 | | <1 | |
| AR-95-820 | | 102 | | | 9 | | 9 | | <1 | | | | 1126 | | 44 |
| AR-95-815 | | 77 | | | 5 | | 5 | | 6 | | | | 38 | | 9 |
| AR-95-824 | | | | | | | | | | | 320 | | | | |
| AR-95-909 | | | | | | | | | | 630 | | | | | |
| *Duplicates :* | | | | | | | | | | | | | | | |
| AR-95-019 | <2 | | 6 | 2 | | 0 | | <2 | | | | 120 | | 1 | |
| AR-95-057 | <50 | <20 | <5 | 5 | 5 | 1 | 5 | <2 | 4 | | | 500 | 102 | <1 | 7 |
| AR-95-906 | >30000 | 50 | 110 | 22 | 32 | 37 | 20 | 130 | 4 | | | 4300 | 1862 | 84 | 112 |

*Over Limit:*

AR-95-824 4.8% Cu

## Albert River

### Rock Sample Analyses (part 2)

| Sample ID | INAA U ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | INAA Zn ppm | ICP Zn ppm | ICP Cu ppm | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs* | | | | | | | | | | | | | | | | |
| AR-95-004 | | | | | | | | | | | | | | | | |
| AR-95-009 | 1 | <2 | <500 | | <200 | | | <5 | | | <20 | | <10 | | <10 | |
| AR-95-017 | | | | <1 | | 27 | 4 | | <0.2 | 368 | | 10 | | 2 | | 100 |
| AR-95-026 | | | | <1 | | 9 | 6 | | <0.2 | 194 | | 8 | | 1 | | 93 |
| AR-95-050 | | | | | | | | | | | | | | | | |
| AR-95-054 | | | | 6 | | 33 | 23 | | 0.2 | 299 | | 16 | | 6 | | 23 |
| AR-95-055 | 2 | <2 | <500 | | <200 | | | <5 | | | <20 | | <10 | | <50 | |
| AR-95-059 | | | | | | | | | | | | | | | | |
| AR-95-067 | | | | | | | | | | | | | | | | |
| AR-95-070 | | | | 2 | | 28 | 19 | | <0.2 | 263 | | 12 | | 4 | | 20 |
| AR-95-703 | | | | | | | | | | | | | | | | |
| AR-95-706 | | | | 2 | | 39 | 190 | | <0.2 | 87 | | 23 | | 24 | | 84 |
| AR-95-707 | 0 | <2 | <500 | | <200 | | | <5 | | | <20 | | <10 | | 380 | |
| AR-95-820 | | | | 13 | | 14 | 25 | | 0.6 | 290 | | 2 | | <1 | | 14 |
| AR-95-815 | | | | 9 | | 58 | 1358 | | 0.6 | 132 | | 5 | | 1 | | 139 |
| AR-95-824 | | | | | | | | | | | | | | | | |
| AR-95-909 | | | | | | | | | | | | | | | | |
| *Duplicates :* | | | | | | | | | | | | | | | | |
| AR-95-019 | 0 | <2 | <500 | | <200 | | | <5 | | | 30 | | <10 | | <10 | |
| AR-95-057 | 2 | <2 | <500 | 6 | <200 | 43 | 23 | <5 | 0.2 | 166 | <20 | 11 | <10 | 4 | <50 | 16 |
| AR-95-906 | 94 | 247 | 4200 | 8 | 400 | 36 | 18 | 11 | 1.1 | 214 | 67 | 3 | <10 | 2 | 630 | 21 |

## Albert River

## Rock Sample Analyses (part 3)

| Sample ID | ICP | INAA | ICP | ICP | ICP | INAA | ICP | ICP | ICP | INAA | ICP | ICP | ICP | ICP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Bi | Cd | Cd | Ga | Li | Th | V | Sr | Ca | Fe | Fe | Mg | Al | K |
| | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | % | % | % | % | % |
| *Re-Runs* | | | | | | | | | | | | | | |
| AR-95-004 | | | | | | | | | | | | | | |
| AR-95-009 | | <10 | | | | 2 | | | | 0.9 | | | | |
| AR-95-017 | <5 | | <0.2 | <2 | 3 | | 2 | 283 | >10.0 | | 0.7 | 0.6 | 0.1 | <0.01 |
| AR-95-026 | <5 | | <0.2 | <2 | 2 | | <1 | 387 | >10.0 | | 0.3 | 0.2 | 0.1 | 0.0 |
| AR-95-050 | | | | | | | | | | | | | | |
| AR-95-054 | 5 | | <0.2 | <2 | 19 | | 10 | 291 | >10.0 | | 1.7 | 2.8 | 1.1 | 0.4 |
| AR-95-055 | | <10 | | | | 2 | | | | 0.9 | | | | |
| AR-95-059 | | | | | | | | | | | | | | |
| AR-95-067 | | | | | | | | | | | | | | |
| AR-95-070 | 5 | | <0.2 | <2 | 17 | | 8 | 359 | >10.0 | | 1.1 | 2.0 | 0.9 | 0.2 |
| AR-95-703 | | | | | | | | | | | | | | |
| AR-95-706 | <5 | | <0.2 | 20 | 6 | | 5 | 10 | 0.3 | | >10.0 | 0.1 | 0.4 | 0.2 |
| AR-95-707 | | <10 | | | | 0 | | | | 0.8 | | | | |
| AR-95-820 | <5 | | <0.2 | <2 | 1 | | 9 | 735 | >10.0 | | 0.2 | 0.2 | 0.2 | 0.1 |
| AR-95-815 | 5 | | <0.2 | <2 | 2 | | 2 | 185 | 8.0 | | 0.6 | 0.3 | 0.1 | 0.1 |
| AR-95-824 | | | | | | | | | | | | | | |
| AR-95-909 | | | | | | | | | | | | | | |
| *Duplicates :* | | | | | | | | | | | | | | |
| AR-95-019 | | <10 | | | | 1 | | | | 1.8 | | | | |
| AR-95-057 | 5 | <10 | <0.2 | <2 | 18 | 5 | 12 | 426 | >10.0 | 1.4 | 1.0 | 1.5 | 0.9 | 0.3 |
| AR-95-906 | 5 | 190 | <0.2 | <2 | 6 | 7 | 8 | 627 | >10.0 | 0.6 | 0.4 | 0.4 | 0.5 | 0.3 |

# Albert River

## Rock Sample Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs* | | | | | | | | | | | | | | |
| AR-95-004 | | | | | | | | | | | | | | |
| AR-95-009 | 0.3 | | | 58 | <1 | <2 | <100 | 27 | | 0.5 | | <10 | 4 | |
| AR-95-017 | | <0.01 | <0.01 | | | | | | 13 | | <1 | | | <5 |
| AR-95-026 | | <0.01 | <0.01 | | | | | | 8 | | <1 | | | <5 |
| AR-95-050 | | | | | | | | | | | | | | |
| AR-95-054 | | 0.01 | <0.01 | | | | | | 14 | | 9 | | | 5 |
| AR-95-056 | 0.3 | | | 28 | <1 | <2 | <100 | 11 | | <0.5 | | 25 | 3 | |
| AR-95-059 | | | | | | | | | | | | | | |
| AR-95-067 | | | | | | | | | | | | | | |
| AR-95-070 | | 0.01 | <0.01 | | | | | | 10 | | 12 | | | 5 |
| AR-95-703 | | | | | | | | | | | | | | |
| AR-95-706 | | <0.01 | <0.01 | | | | | | 3 | | 1 | | | <5 |
| AR-95-707 | 0.2 | | | <10 | <1 | <2 | <100 | <5 | | <0.5 | | <10 | 0 | |
| AR-95-820 | | 0.03 | <0.01 | | | | | | 2 | | 25 | | | 5 |
| AR-95-815 | | 0.01 | <0.01 | | | | | | 3 | | 7 | | | 5 |
| AR-95-824 | | | | | | | | | | | | | | |
| AR-95-909 | | | | | | | | | | | | | | |
| *Duplicates :* | | | | | | | | | | | | | | |
| AR-95-019 | 0.2 | | | 20 | <1 | 2 | <100 | 8 | | <0.5 | | 14 | 3 | |
| AR-95-057 | 0.5 | 0.01 | <0.01 | 30 | 2 | <2 | <100 | 16 | 6 | <0.5 | 13 | 65 | 5 | 5 |
| AR-95-906 | 0.4 | 0.02 | <0.01 | 190 | <2 | <5 | 730 | 10 | 1 | 3.3 | 17 | 33 | 10 | <5 |

## Albert River

### Rock Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | ICP Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs* | | | | | | | | | | | |
| AR-95-004 | | | | | | | | | | | |
| AR-95-009 | <10 | 8 | <200 | | <1 | | 2 | <20 | | | <5 |
| AR-95-017 | | | | <20 | | <10 | | | <10 | 11 | |
| AR-95-026 | | | | <20 | | <10 | | | <10 | 6 | |
| AR-95-050 | | | | | | | | | | | |
| AR-95-054 | | | | <20 | | <10 | | | <10 | 7 | |
| AR-95-055 | <10 | 2 | <200 | | <1 | | <1 | <20 | | | <5 |
| AR-95-059 | | | | | | | | | | | |
| AR-95-067 | | | | | | | | | | | |
| AR-95-070 | | | | <20 | | <10 | | | <10 | 6 | |
| AR-95-703 | | | | | | | | | | | |
| AR-95-706 | | | | <20 | | 22 | | | 11 | 4 | |
| AR-95-707 | <10 | 0 | <200 | | <1 | | <1 | <20 | | | <5 |
| AR-95-820 | | | | <20 | | <10 | | | <10 | 11 | |
| AR-95-815 | | | | <20 | | <10 | | | <10 | 4 | |
| AR-95-824 | | | | | | | | | | | |
| AR-95-909 | | | | | | | | | | | |
| *Duplicates :* | | | | | | | | | | | |
| AR-95-019 | <10 | 3 | <200 | | <1 | | <1 | <20 | | | <5 |
| AR-95-057 | <10 | 2 | <200 | <20 | <1 | <10 | <1 | <20 | <10 | 5 | <5 |
| AR-95-906 | 80 | 5 | 2800 | <20 | <1 | <10 | 3 | 300 | <10 | 20 | 23 |

# APPENDIX C

**TABLE 5**

PROJECT 563

# ALBERT RIVER PROPERTY
# WHOLE ROCK ANALYSES
# 1995

FILE: 563\Wh_Rock.doc

Date of Report: 96.01.20
Reference: v95-00945.2, v96-00023.0

| Sample ID | $SiO_2$ % | $TiO_2$ % | $Al_2O_3$ % | $Fe_2O_3$ % | MnO % | MgO % | CaO % | $Na_2O$ % | $K_2O$ % | $P_2O_5$ % | LOI % | Total % | $Cr_2O_3$ % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AR-004** | 42.83 | 1.30 | 14.89 | 7.63 | 0.06 | 5.87 | 9.62 | 1.49 | 3.02 | 0.29 | 11.41 | 98.44 | 0.03 |
| **AR-012** | 46.20 | 1.39 | 16.14 | 7.00 | 0.06 | 5.79 | 7.26 | 2.14 | 3.15 | 0.33 | 9.25 | 98.74 | 0.03 |
| **AR-020** | 42.32 | 1.29 | 14.56 | 7.43 | 0.06 | 5.61 | 9.46 | 0.99 | 3.54 | 0.31 | 12.39 | 98.01 | 0.05 |
| **AR-1/2** | 45.78 | 1.37 | 15.29 | 7.51 | 0.06 | 5.74 | 8.48 | 1.01 | 3.51 | 0.38 | 10.13 | 99.31 | 0.03 |
| Mean: | 44.28 | 1.34 | 15.22 | 7.39 | 0.06 | 5.75 | 8.71 | 1.41 | 3.31 | 0.33 | 10.80 | 98.63 | 0.04 |
| Re-run: | | | | | | | | | | | | | |
| AR-004 | | | | | | | | | | | 11.36 | | |

# APPENDIX D

# TABLE 6

Project 563

File: 563\Soil_95.WK1

## Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200S | <2 | <20 | <5 | 6 | 8 | 1 | <5 | 3 | 5 | <200 | 94 | 22 | 26 | 820 | 138 |
| 201S | <2 | <20 | <5 | 7 | 11 | 1 | <5 | 4 | 5 | <200 | 92 | 22 | 21 | 930 | 93 |
| 202S | <2 | <20 | <5 | 8 | 8 | 1 | <5 | <2 | 5 | <200 | 104 | 36 | 61 | 900 | 86 |
| 203S | 2 | <20 | <5 | 9 | <5 | 1 | <5 | 2 | 6 | <200 | 128 | 26 | 40 | 970 | 63 |
| 204S | <2 | <20 | <5 | 10 | 8 | 1 | <5 | 2 | 6 | <200 | 134 | 24 | 43 | 850 | 59 |
| 205S | <2 | <20 | <5 | 11 | 8 | 1 | <5 | 3 | 6 | 200 | 130 | 33 | 40 | 720 | 52 |
| 206S | <2 | <20 | <5 | 9 | 9 | 1 | <5 | <2 | 5 | <200 | 129 | 21 | 39 | 710 | 47 |
| 207S | <2 | <20 | <5 | 8 | 9 | 1 | <5 | <2 | 5 | <200 | 145 | 22 | 21 | 690 | 76 |
| 208T | 3 | <20 | 10 | 17 | 8 | 2 | <5 | 3 | 5 | <200 | 100 | 24 | 35 | 740 | 36 |
| 209S | 56 | 53 | <5 | 13 | 9 | 5 | <5 | <2 | 4 | <200 | 124 | 33 | 48 | 740 | 53 |
| 210S | 8 | <20 | <5 | 8 | <5 | 1 | <5 | 3 | 5 | <200 | 114 | 35 | 54 | 860 | 122 |
| 211S | 3 | <20 | <5 | 6 | 9 | 1 | <5 | 2 | 4 | <200 | 112 | 21 | 29 | 900 | 74 |
| 212S | 4 | <20 | 6 | 17 | 8 | 3 | <5 | 4 | 8 | <200 | 142 | 53 | 71 | 870 | 63 |
| 213S | 2 | <20 | <5 | 5 | 7 | 1 | <5 | <2 | 4 | <200 | 72 | 16 | 12 | 690 | 90 |
| 214S | 3 | <20 | <5 | 7 | <5 | 1 | <5 | 4 | 6 | <200 | 102 | 20 | 21 | 720 | 95 |
| 215S | 9 | <20 | 6 | 9 | 8 | 2 | <5 | <2 | 4 | <200 | 126 | 20 | 32 | 500 | 71 |
| 216S | 7 | <20 | <5 | 10 | 14 | 2 | <5 | <2 | 6 | 220 | 112 | 23 | 21 | 980 | 146 |
| 217S | <2 | <20 | <5 | 7 | <5 | 1 | <5 | 5 | 6 | <200 | 126 | 22 | 18 | 1100 | 82 |
| 218S | 3 | <20 | <5 | 8 | 10 | 2 | <5 | 3 | 7 | <200 | 122 | 32 | 18 | 1100 | 199 |
| 219S | <2 | <20 | 10 | 11 | 12 | 2 | <5 | 3 | 6 | <200 | 139 | 23 | 30 | 1400 | 112 |
| 220S | 13 | <20 | <5 | 15 | 13 | 3 | <5 | 3 | 6 | <200 | 114 | 33 | 33 | 1200 | 59 |
| 221S | <2 | <20 | <5 | 5 | 8 | 1 | <5 | 3 | 5 | 230 | 118 | 19 | 14 | 770 | 122 |
| 222S | <2 | <20 | <5 | 8 | 5 | 2 | <5 | <2 | 5 | <200 | 88 | 27 | 56 | 1300 | 131 |
| 223S | <2 | <20 | <5 | 8 | 8 | 2 | <5 | <2 | 5 | <200 | 129 | 30 | 22 | 850 | 175 |
| 224S | <2 | <20 | <5 | 8 | 8 | 2 | <5 | 6 | 7 | <200 | 132 | 28 | 31 | 1200 | 80 |
| 225S | <2 | <20 | <5 | 23 | 19 | 5 | <5 | 4 | 6 | 230 | 193 | 42 | 29 | 1200 | 96 |
| 226S | <2 | <20 | 7 | 4 | <5 | 1 | <5 | 4 | 5 | <200 | 90 | 22 | 8 | 980 | 141 |
| 227S | 2 | <20 | <5 | 12 | 7 | 1 | <5 | 2 | 6 | <200 | 109 | 21 | 14 | 1100 | 125 |
| 228S | 3 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 3 | <200 | 61 | 14 | 8 | 540 | 48 |
| 229S | <2 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 4 | <200 | 76 | 15 | 18 | 580 | 27 |
| 230S | <2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 4 | 220 | 116 | 48 | 18 | 750 | 107 |
| 232S | <2 | <20 | <5 | 14 | 12 | 2 | <5 | 3 | 6 | <200 | 104 | 70 | 62 | 920 | 80 |
| 233S | 4 | <20 | <5 | 14 | 12 | 3 | <5 | 4 | 9 | 230 | 170 | 31 | 21 | 520 | 65 |
| 234T | <2 | <20 | <5 | 7 | 7 | 1 | <5 | <2 | 4 | <200 | 120 | 32 | 20 | 860 | 62 |
| 236S | <2 | <20 | <5 | 28 | 16 | 3 | <5 | 12 | 16 | 650 | 451 | 37 | 30 | 700 | 42 |
| 237S | 2 | <20 | 6 | 11 | 14 | 2 | <5 | <2 | 5 | <200 | 129 | 24 | 48 | 930 | 58 |
| 238S | 4 | <20 | 6 | 10 | 6 | 1 | <5 | 3 | 6 | <200 | 97 | 22 | 26 | 1000 | 72 |
| 239S | <2 | <20 | <5 | 6 | 13 | 1 | <5 | <2 | 4 | <200 | 86 | 17 | 31 | 960 | 69 |
| 240S | 7 | <20 | 7 | 10 | 5 | 2 | <5 | 3 | 4 | <200 | 111 | 19 | 24 | 870 | 41 |
| 243T | <2 | <20 | <5 | 7 | 11 | 1 | <5 | <2 | 6 | 210 | 149 | 23 | 15 | 1100 | 80 |
| 244S | 2 | <20 | <5 | 23 | 14 | 6 | <5 | 6 | 10 | <200 | 145 | 49 | 95 | 1400 | 83 |
| 245S | <2 | <20 | <5 | 6 | 8 | 1 | <5 | <2 | 4 | <200 | 103 | 22 | 29 | 660 | 67 |
| 246S | <2 | <20 | 6 | 8 | 9 | 1 | <5 | <2 | 5 | <200 | 112 | 26 | 38 | 800 | 54 |
| 247S | <2 | <20 | <5 | 7 | 15 | 1 | <5 | <2 | 6 | <200 | 106 | 23 | 31 | 820 | 102 |
| 248S | <2 | <20 | 9 | 6 | <5 | 1 | <5 | <2 | 5 | <200 | 110 | 24 | 25 | 700 | 74 |
| 249S | <2 | <20 | <5 | 9 | 8 | 1 | <5 | <2 | 6 | <200 | 122 | 29 | 43 | 760 | 78 |
| 250S | <2 | <20 | <5 | 9 | 13 | 1 | <5 | <2 | 6 | <200 | 115 | 23 | 38 | 720 | 42 |
| 251S | <2 | <20 | 8 | 8 | 9 | 1 | <5 | <2 | 5 | <200 | 101 | 27 | 24 | 810 | 51 |
| 252S | <2 | <20 | 21 | 5 | 12 | 1 | <5 | <2 | 4 | <200 | 86 | 21 | 26 | 910 | 60 |
| 253S | 4 | <20 | 10 | 19 | 14 | 5 | <5 | 4 | 7 | <200 | 123 | 61 | 131 | 980 | 70 |
| 254S | <2 | <20 | <5 | 7 | 9 | 1 | <5 | 4 | 5 | <200 | 134 | 17 | 14 | 620 | 72 |
| 255S | 2 | <20 | 6 | 9 | 5 | 2 | <5 | 3 | 5 | <200 | 58 | 13 | 27 | 670 | 42 |
| 256S | 3 | <20 | <5 | 23 | 19 | 3 | <5 | 7 | 8 | <200 | 106 | 17 | 32 | 930 | 97 |
| 257S | <2 | <20 | 9 | 6 | 6 | 1 | <5 | 3 | 5 | <200 | 125 | 21 | 16 | 1300 | 287 |
| 258S | 2 | <20 | <5 | 8 | 9 | 2 | <5 | 4 | 7 | <200 | 117 | 21 | 27 | 1300 | 177 |
| 259S | <2 | <20 | 7 | 9 | <5 | 2 | <5 | 2 | 6 | <200 | 111 | 23 | 24 | 1100 | 106 |
| 260S | 4 | <20 | 14 | 8 | 7 | 2 | <5 | 3 | 5 | <200 | 99 | 13 | 21 | 980 | 103 |
| 261S | 10 | <20 | 6 | 14 | 9 | 5 | <5 | <2 | 6 | <200 | 103 | 16 | 41 | 900 | 137 |
| 262S | 4 | <20 | 20 | 23 | 27 | 3 | 6 | <2 | 6 | <200 | 152 | 28 | 46 | 1300 | 94 |
| 263T | <2 | <20 | 5 | 8 | 9 | 1 | <5 | 8 | 14 | <200 | 103 | 32 | 21 | 890 | 97 |
| 264S | <2 | <20 | 6 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 67 | 29 | 24 | 960 | 93 |
| 265S | 2 | <20 | <5 | 6 | <5 | 1 | <5 | 2 | 6 | <200 | 88 | 40 | 39 | 1000 | 78 |
| 266S | 3 | <20 | 8 | 16 | 17 | 2 | <5 | 4 | 8 | <200 | 149 | 93 | 116 | 890 | 70 |
| 267S | 3 | <20 | 5 | 8 | 7 | 1 | <5 | 2 | 5 | <200 | 150 | 25 | 28 | 870 | 72 |

## Albert River

### Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200S | <5 | 0.2 | 195 | 52 | 19 | <10 | 11 | <50 | 17 | <5 | 8 | <10 | <0.2 | 8 | 32 |
| 201S | <5 | 0.5 | 477 | <20 | 25 | 17 | 18 | 76 | 16 | <5 | 6 | <10 | <0.2 | <2 | 35 |
| 202S | <5 | <0.2 | 771 | 50 | 38 | 28 | 28 | 75 | 14 | <5 | 4 | <10 | <0.2 | <2 | 32 |
| 203S | <5 | 0.2 | 915 | 39 | 42 | 25 | 27 | 62 | 18 | <5 | 7 | <10 | <0.2 | <2 | 41 |
| 204S | <5 | 0.2 | 696 | 39 | 41 | 24 | 24 | 72 | 17 | <5 | 5 | <10 | <0.2 | <2 | 49 |
| 205S | <5 | 0.3 | 502 | 72 | 42 | 23 | 24 | 82 | 21 | <5 | 5 | <10 | <0.2 | <2 | 69 |
| 206S | <5 | <0.2 | 668 | <20 | 40 | 26 | 27 | 83 | 20 | <5 | 8 | <10 | <0.2 | <2 | 76 |
| 207S | <5 | <0.2 | 940 | 40 | 33 | 17 | 21 | 69 | 20 | <5 | 5 | <10 | 0.3 | <2 | 73 |
| 208T | <5 | <0.2 | 309 | 60 | 34 | 20 | 19 | 80 | 18 | <5 | 5 | <10 | <0.2 | <2 | 52 |
| 209S | <5 | <0.2 | 393 | 46 | 36 | 25 | 26 | 72 | 16 | <5 | 9 | <10 | <0.2 | <2 | 54 |
| 210S | <5 | <0.2 | 991 | 60 | 51 | 41 | 41 | 93 | 18 | 6 | 3 | <10 | <0.2 | <2 | 45 |
| 211S | <5 | <0.2 | 1052 | 34 | 34 | 21 | 23 | <50 | 16 | <5 | 5 | <10 | <0.2 | <2 | 48 |
| 212S | <5 | 0.4 | 646 | 74 | 56 | 40 | 38 | 60 | 16 | 6 | 10 | 11 | <0.2 | <2 | 39 |
| 213S | <5 | <0.2 | 191 | 22 | 21 | 11 | 10 | 52 | 16 | <5 | 3 | <10 | <0.2 | 5 | 38 |
| 214S | <5 | 0.2 | 375 | 33 | 26 | 12 | 15 | 68 | 13 | <5 | 4 | <10 | <0.2 | <2 | 29 |
| 215S | <5 | <0.2 | 996 | <20 | 26 | 15 | 18 | <50 | 11 | <5 | 7 | <10 | 0.3 | <2 | 36 |
| 216S | <5 | <0.2 | 1064 | 27 | 33 | 20 | 21 | 67 | 19 | <5 | 2 | <10 | <0.2 | <2 | 60 |
| 217S | <5 | <0.2 | 694 | <20 | 29 | 19 | 19 | 54 | 14 | <5 | 3 | <10 | <0.2 | <2 | 35 |
| 218S | <5 | <0.2 | 521 | <20 | 33 | 13 | 17 | 81 | 20 | <5 | 2 | <10 | <0.2 | <2 | 49 |
| 219S | 5 | 0.2 | 610 | <20 | 37 | 20 | 19 | 68 | 13 | <5 | 11 | <10 | 0.2 | <2 | 28 |
| 220S | <5 | <0.2 | 247 | 40 | 31 | 16 | 17 | 66 | 11 | <5 | 7 | <10 | 0.5 | <2 | 23 |
| 221S | <5 | 0.3 | 931 | 60 | 31 | 17 | 18 | 71 | 22 | <5 | 2 | <10 | <0.2 | <2 | 52 |
| 222S | <5 | 0.4 | 1614 | 110 | 55 | 28 | 31 | 61 | 15 | <5 | 13 | <10 | <0.2 | <2 | 42 |
| 223S | <5 | <0.2 | 908 | 41 | 33 | 23 | 21 | 63 | 19 | <5 | 2 | <10 | <0.2 | <2 | 42 |
| 224S | <5 | 0.3 | 407 | 38 | 36 | 17 | 19 | 54 | 14 | <5 | 6 | <10 | 0.2 | <2 | 32 |
| 225S | <5 | 0.3 | 507 | 58 | 39 | 15 | 17 | 70 | 10 | <5 | 5 | <10 | 1.0 | <2 | 19 |
| 226S | <5 | <0.2 | 770 | <20 | 17 | 12 | 12 | <50 | 12 | <5 | 2 | <10 | <0.2 | <2 | 24 |
| 227S | <5 | <0.2 | 545 | 59 | 28 | 15 | 17 | 55 | 17 | <5 | 2 | <10 | <0.2 | <2 | 42 |
| 228S | <5 | <0.2 | 190 | <20 | 19 | <10 | 9 | 62 | 19 | <5 | 3 | <10 | <0.2 | 4 | 27 |
| 229S | <5 | 0.3 | 176 | <20 | 25 | 10 | 12 | 66 | 23 | 5 | 2 | <10 | <0.2 | 5 | 32 |
| 230S | <5 | <0.2 | 1321 | <20 | 35 | 38 | 35 | 78 | 30 | 5 | 2 | <10 | <0.2 | <2 | 57 |
| 232S | <5 | 0.4 | 713 | 51 | 60 | 45 | 42 | 88 | 18 | <5 | 7 | <10 | <0.2 | <2 | 43 |
| 233S | <5 | 0.2 | 326 | 57 | 42 | 18 | 19 | 85 | 22 | <5 | 6 | <10 | <0.2 | 3 | 86 |
| 234T | <5 | <0.2 | 1131 | 39 | 23 | 15 | 16 | 55 | 10 | <5 | 10 | <10 | <0.2 | <2 | 18 |
| 236S | <5 | 0.3 | 525 | 34 | 34 | 26 | 27 | 73 | 10 | 8 | 11 | <10 | 1.1 | <2 | 30 |
| 237S | <5 | 0.3 | 302 | 43 | 41 | 21 | 22 | 92 | 15 | <5 | 9 | <10 | <0.2 | <2 | 46 |
| 238S | <5 | 0.3 | 312 | 38 | 31 | 23 | 21 | 75 | 12 | <5 | 5 | <10 | <0.2 | <2 | 33 |
| 239S | <5 | <0.2 | 730 | 41 | 34 | 27 | 26 | 62 | 16 | <5 | 7 | <10 | <0.2 | <2 | 61 |
| 240S | <5 | <0.2 | 565 | 42 | 29 | 16 | 17 | 69 | 12 | <5 | 7 | <10 | <0.2 | <2 | 30 |
| 243T | <5 | <0.2 | 1152 | <20 | 26 | 17 | 18 | 60 | 16 | <5 | 9 | <10 | <0.2 | <2 | 38 |
| 244S | <5 | 0.3 | 521 | 83 | 86 | 49 | 47 | 58 | 12 | <5 | 13 | <10 | <0.2 | <2 | 27 |
| 245S | <5 | <0.2 | 1261 | <20 | 38 | 23 | 25 | <50 | 19 | <5 | 6 | <10 | <0.2 | <2 | 97 |
| 246S | <5 | <0.2 | 885 | <20 | 40 | 30 | 30 | 57 | 18 | <5 | 8 | <10 | <0.2 | <2 | 55 |
| 247S | <5 | <0.2 | 445 | <20 | 39 | 28 | 28 | 61 | 23 | <5 | 2 | <10 | <0.2 | 3 | 75 |
| 248S | <5 | 0.2 | 902 | <20 | 35 | 24 | 25 | 75 | 19 | <5 | 5 | <10 | <0.2 | <2 | 60 |
| 249S | <5 | 0.3 | 1200 | 47 | 46 | 31 | 33 | 73 | 19 | <5 | 9 | <10 | <0.2 | <2 | 69 |
| 250S | <5 | <0.2 | 641 | 53 | 38 | 21 | 23 | 85 | 17 | <5 | 7 | <10 | <0.2 | <2 | 55 |
| 251S | <5 | <0.2 | 998 | 51 | 41 | 21 | 20 | <50 | 18 | <5 | 4 | <10 | <0.2 | <2 | 48 |
| 252S | <5 | <0.2 | 1077 | 57 | 35 | 24 | 24 | 61 | 19 | <5 | 7 | <10 | <0.2 | <2 | 78 |
| 253S | <5 | 0.4 | 527 | 62 | 87 | 62 | 63 | 60 | 12 | 5 | 13 | <10 | <0.2 | <2 | 31 |
| 254S | <5 | <0.2 | 176 | 24 | 30 | 14 | 15 | 53 | 20 | <5 | 1 | <10 | <0.2 | 5 | 71 |
| 255S | <5 | <0.2 | 67 | <20 | 20 | 12 | 13 | <50 | 12 | <5 | 2 | <10 | <0.2 | 4 | 20 |
| 256S | <5 | 0.2 | 129 | 34 | 29 | 12 | 15 | 78 | 12 | <5 | 3 | <10 | <0.2 | 3 | 16 |
| 257S | <5 | <0.2 | 1385 | 36 | 28 | 18 | 18 | 60 | 17 | <5 | 4 | <10 | <0.2 | <2 | 45 |
| 258S | <5 | <0.2 | 384 | <20 | 32 | 16 | 14 | 62 | 18 | <5 | 3 | <10 | <0.2 | <2 | 42 |
| 259S | <5 | 0.2 | 330 | <20 | 31 | 18 | 23 | <50 | 16 | <5 | 7 | <10 | <0.2 | <2 | 40 |
| 260S | <5 | 0.2 | 198 | 30 | 26 | 14 | 14 | 79 | 15 | <5 | 2 | <10 | <0.2 | 4 | 32 |
| 261S | <5 | 0.2 | 645 | 51 | 43 | 20 | 24 | 64 | 15 | <5 | 3 | <10 | <0.2 | <2 | 32 |
| 262S | <5 | 0.2 | 402 | <20 | 42 | 26 | 26 | 120 | 16 | <5 | 11 | <10 | 0.5 | <2 | 35 |
| 263T | <5 | 0.2 | 402 | 35 | 37 | 12 | 14 | 64 | 15 | <5 | 7 | <10 | <0.2 | <2 | 29 |
| 264S | <5 | <0.2 | 1333 | 56 | 32 | 16 | 18 | 62 | 11 | <5 | 6 | <10 | <0.2 | <2 | 23 |
| 265S | <5 | <0.2 | 1035 | <20 | 41 | 25 | 25 | 60 | 10 | <5 | 8 | <10 | <0.2 | <2 | 18 |
| 266S | <5 | 0.3 | 900 | 47 | 64 | 48 | 51 | 60 | 16 | 5 | 7 | <10 | 0.3 | <2 | 37 |
| 267S | <5 | 0.2 | 645 | 41 | 36 | 19 | 22 | 88 | 17 | 6 | 5 | <10 | <0.2 | <2 | 50 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200S | <20 | 11 | 4 | 30 | 4 | <500 | 4 | 11 | 0.2 | 3.6 | 3.2 | 1.0 | 2.8 | 0.1 |
| 201S | <20 | 12 | 3 | 17 | 6 | <500 | 3 | 4 | 0.0 | 4.5 | 3.4 | 1.4 | 2.1 | 0.1 |
| 202S | <20 | 14 | 4 | 10 | 4 | <500 | 2 | 9 | 0.2 | 4.8 | 3.9 | 1.4 | 1.5 | 0.1 |
| 203S | <20 | 17 | 5 | 13 | 5 | <500 | 1 | 9 | 0.2 | 5.0 | 4.1 | 1.8 | 2.0 | 0.1 |
| 204S | <20 | 14 | 4 | 13 | 4 | <500 | 4 | 16 | 0.5 | 4.6 | 3.7 | 2.1 | 1.9 | 0.2 |
| 205S | <20 | 15 | 4 | 17 | 2 | <500 | 4 | 14 | 0.3 | 4.8 | 3.9 | 2.7 | 2.3 | 0.2 |
| 206S | <20 | 14 | 3 | 15 | 3 | <500 | 5 | 21 | 0.6 | 4.7 | 3.7 | 2.5 | 2.3 | 0.2 |
| 207S | <20 | 15 | 5 | 19 | 4 | <500 | 2 | 8 | 0.1 | 4.0 | 3.5 | 2.5 | 2.5 | 0.2 |
| 208T | <20 | 15 | 4 | 10 | 3 | <500 | 5 | 66 | 3.0 | 4.2 | 3.0 | 2.4 | 1.7 | 0.1 |
| 209S | <20 | 15 | 4 | 9 | 3 | <500 | 4 | 56 | 2.3 | 4.7 | 3.3 | 2.2 | 1.6 | 0.1 |
| 210S | <20 | 14 | 4 | 12 | 2 | <500 | 3 | 19 | 0.6 | 5.0 | 3.9 | 1.7 | 1.8 | 0.2 |
| 211S | <20 | 14 | 3 | 10 | 3 | <500 | 3 | 18 | 0.6 | 4.1 | 3.4 | 2.1 | 1.8 | 0.1 |
| 212S | <20 | 19 | 5 | 11 | 4 | <500 | 5 | 14 | 0.3 | 6.5 | 5.2 | 1.8 | 1.7 | 0.2 |
| 213S | <20 | 10 | 3 | 22 | 5 | <500 | 0 | 6 | 0.0 | 3.1 | 2.5 | 1.6 | 1.8 | 0.2 |
| 214S | <20 | 12 | 3 | 16 | 4 | <500 | 1 | 9 | 0.1 | 3.7 | 3.1 | 1.2 | 1.4 | 0.2 |
| 215S | <20 | 9 | 2 | 10 | 3 | <500 | 5 | 55 | 2.6 | 3.2 | 2.3 | 1.8 | 1.2 | 0.2 |
| 216S | <20 | 13 | 3 | 20 | 4 | <500 | 3 | 23 | 0.6 | 4.5 | 3.5 | 2.3 | 2.1 | 0.2 |
| 217S | <20 | 14 | 4 | 17 | 4 | <500 | 3 | 10 | 0.3 | 3.8 | 2.9 | 1.9 | 1.5 | 0.2 |
| 218S | <20 | 12 | 3 | 27 | 4 | 520 | 3 | 9 | 0.1 | 3.9 | 3.4 | 2.1 | 2.3 | 0.3 |
| 219S | <20 | 15 | 4 | 14 | 5 | <500 | 6 | 25 | 0.7 | 3.9 | 3.3 | 1.8 | 1.4 | 0.1 |
| 220S | <20 | 16 | 5 | 9 | 5 | <500 | 5 | 84 | 2.3 | 3.4 | 2.6 | 1.9 | 1.0 | 0.1 |
| 221S | <20 | 13 | 3 | 18 | 5 | <500 | 1 | 8 | 0.1 | 4.3 | 3.9 | 2.3 | 2.5 | 0.2 |
| 222S | <20 | 20 | 2 | 10 | 4 | <500 | 6 | 18 | 0.5 | 5.4 | 4.2 | 2.3 | 2.2 | 0.1 |
| 223S | <20 | 16 | 4 | 24 | 6 | <500 | 2 | 15 | 0.2 | 4.3 | 3.4 | 2.1 | 2.2 | 0.2 |
| 224S | <20 | 15 | 4 | 16 | 5 | <500 | 5 | 34 | 0.6 | 3.4 | 3.0 | 2.0 | 1.5 | 0.2 |
| 225S | <20 | 18 | 6 | 12 | 6 | <500 | 4 | 60 | 1.3 | 4.0 | 3.0 | 1.5 | 1.1 | 0.1 |
| 226S | <20 | 11 | 4 | 20 | 6 | <500 | 0 | 7 | 0.1 | 2.8 | 2.5 | 0.9 | 1.4 | 0.1 |
| 227S | <20 | 14 | 5 | 21 | 6 | <500 | 0 | 34 | 0.1 | 3.5 | 3.4 | 1.7 | 2.0 | 0.1 |
| 228S | <20 | 11 | 3 | 23 | 6 | <500 | 0 | 4 | 0.0 | 3.4 | 2.8 | 1.1 | 1.5 | 0.1 |
| 229S | <20 | 13 | 3 | 20 | 6 | <500 | 1 | 4 | 0.0 | 3.8 | 3.4 | 1.3 | 1.8 | 0.1 |
| 230S | <20 | 15 | 3 | 18 | 4 | <500 | 0 | 16 | 0.1 | 5.3 | 4.3 | 1.8 | 2.4 | 0.1 |
| 232S | <20 | 18 | 5 | 13 | 5 | <500 | 4 | 12 | 0.2 | 6.6 | 5.2 | 2.0 | 2.3 | 0.1 |
| 233S | <20 | 13 | 4 | 29 | 2 | <500 | 5 | 10 | 0.3 | 4.7 | 3.9 | 2.6 | 2.6 | 0.3 |
| 234T | <20 | 15 | 5 | 8 | 5 | <500 | 3 | 24 | 0.8 | 3.8 | 3.1 | 1.0 | 1.1 | 0.1 |
| 236S | <20 | 14 | 5 | 9 | 4 | <500 | 2 | 11 | 0.2 | 7.0 | 6.0 | 0.6 | 1.4 | 0.1 |
| 237S | <20 | 15 | 4 | 11 | 5 | <500 | 3 | 19 | 0.5 | 4.9 | 4.0 | 2.0 | 1.7 | 0.1 |
| 238S | <20 | 14 | 4 | 14 | 4 | <500 | 4 | 6 | 0.1 | 5.0 | 3.7 | 0.9 | 1.8 | 0.1 |
| 239S | <20 | 10 | 2 | 14 | 3 | <500 | 1 | 9 | 0.2 | 4.6 | 3.5 | 2.0 | 2.3 | 0.2 |
| 240S | <20 | 15 | 4 | 8 | 4 | <500 | 4 | 34 | 1.1 | 3.9 | 3.0 | 1.6 | 1.3 | 0.1 |
| 243T | <20 | 15 | 5 | 17 | 4 | <500 | 1 | 12 | 0.3 | 4.7 | 3.7 | 1.7 | 2.3 | 0.1 |
| 244S | <20 | 18 | 5 | 9 | 4 | <500 | 4 | 30 | 0.9 | 6.5 | 5.2 | 1.5 | 1.3 | 0.2 |
| 245S | <20 | 12 | 3 | 20 | 3 | <500 | 2 | 28 | 0.9 | 4.5 | 3.6 | 2.6 | 2.6 | 0.3 |
| 246S | <20 | 14 | 4 | 14 | 3 | <500 | 4 | 19 | 0.6 | 4.7 | 3.8 | 2.3 | 2.1 | 0.2 |
| 247S | <20 | 12 | 4 | 26 | 3 | <500 | 7 | 13 | 0.2 | 5.0 | 3.9 | 2.4 | 2.9 | 0.2 |
| 248S | <20 | 11 | 3 | 18 | 3 | <500 | 2 | 16 | 0.4 | 4.4 | 3.5 | 2.3 | 2.3 | 0.2 |
| 249S | <20 | 14 | 6 | 18 | 3 | 730 | 3 | 19 | 0.4 | 5.1 | 4.0 | 2.5 | 2.4 | 0.2 |
| 250S | <20 | 15 | 3 | 12 | 3 | <500 | 5 | 17 | 0.5 | 4.8 | 3.5 | 2.3 | 1.9 | 0.1 |
| 251S | <20 | 16 | 4 | 12 | 5 | <500 | 4 | 13 | 0.4 | 4.6 | 3.7 | 2.5 | 2.0 | 0.1 |
| 252S | <20 | 16 | 3 | 14 | 4 | <500 | 4 | 14 | 0.4 | 5.3 | 3.9 | 2.6 | 2.4 | 0.1 |
| 253S | <20 | 14 | 4 | 7 | <2 | <500 | 4 | 25 | 0.7 | 7.0 | 5.7 | 1.6 | 1.4 | 0.1 |
| 254S | <20 | 10 | 3 | 23 | 3 | <500 | 3 | 5 | 0.1 | 4.0 | 3.2 | 2.3 | 2.5 | 0.2 |
| 255S | <20 | 12 | 4 | 21 | 5 | <500 | 2 | 4 | 0.1 | 3.1 | 2.5 | 0.7 | 1.3 | 0.1 |
| 256S | <20 | 14 | 4 | 24 | 7 | <500 | 3 | 8 | 0.2 | 4.2 | 3.5 | 0.5 | 1.2 | 0.2 |
| 257S | <20 | 15 | 4 | 27 | 5 | <500 | 2 | 14 | 0.4 | 4.1 | 3.1 | 1.9 | 2.1 | 0.2 |
| 258S | <20 | 16 | 4 | 26 | 4 | <500 | 3 | 3 | 0.0 | 4.4 | 3.6 | 2.0 | 2.2 | 0.2 |
| 259S | <20 | 13 | 4 | 20 | 4 | <500 | 3 | 3 | 0.0 | 4.4 | 3.8 | 1.8 | 2.4 | 0.2 |
| 260S | <20 | 12 | 3 | 20 | 5 | <500 | 1 | 6 | 0.2 | 4.1 | 3.1 | 1.4 | 1.6 | 0.2 |
| 261S | <20 | 15 | 4 | 19 | 6 | <500 | 2 | 12 | 0.1 | 4.8 | 4.1 | 1.3 | 1.6 | 0.2 |
| 262S | <20 | 18 | 4 | 12 | 4 | <500 | 4 | 24 | 0.7 | 4.8 | 4.0 | 2.0 | 1.8 | 0.1 |
| 263T | <20 | 16 | 4 | 17 | 6 | <500 | 2 | 12 | 0.3 | 4.7 | 3.9 | 1.3 | 2.1 | 0.2 |
| 264S | <20 | 17 | 4 | 10 | 4 | <500 | 2 | 16 | 0.4 | 4.5 | 3.4 | 1.0 | 1.5 | 0.2 |
| 265S | <20 | 19 | 5 | 6 | 6 | <500 | 4 | 24 | 0.7 | 5.0 | 3.7 | 1.0 | 1.1 | 0.2 |
| 266S | <20 | 16 | 5 | 8 | 3 | <500 | 4 | 22 | 0.5 | 6.9 | 6.0 | 2.0 | 1.7 | 0.1 |
| 267S | <20 | 16 | 4 | 17 | 4 | <500 | 1 | 12 | 0.2 | 5.1 | 3.8 | 2.1 | 2.1 | 0.2 |

## Albert River

### Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200S | 1.2 | 0.01 | 0.02 | 79 | 6 | <2 | <100 | 36 | 24 | <0.5 | 1 | 100 | 11 | <5 |
| 201S | 0.9 | <0.01 | <0.01 | 84 | 6 | <2 | <100 | 38 | 24 | <0.5 | 1 | 190 | 13 | <5 |
| 202S | 0.7 | <0.01 | <0.01 | 70 | 5 | <2 | <100 | 40 | 17 | <0.5 | 0 | 160 | 15 | <5 |
| 203S | 0.7 | <0.01 | <0.01 | 85 | 6 | <2 | <100 | 45 | 23 | <0.5 | 0 | 150 | 14 | <5 |
| 204S | 0.7 | <0.01 | 0.01 | 81 | 5 | <2 | <100 | 44 | 24 | <0.5 | 0 | 140 | 13 | <5 |
| 205S | 0.6 | <0.01 | <0.01 | 67 | 8 | <2 | <100 | 39 | 23 | <0.5 | 0 | 150 | 15 | <5 |
| 206S | 0.6 | <0.01 | <0.01 | 70 | 8 | <2 | <100 | 38 | 21 | <0.5 | 0 | 150 | 16 | <5 |
| 207S | 0.7 | <0.01 | 0.01 | 76 | 8 | <2 | <100 | 51 | 31 | <0.5 | 0 | 180 | 13 | <5 |
| 208T | 0.6 | <0.01 | <0.01 | 68 | 7 | <2 | <100 | 41 | 14 | <0.5 | 0 | 150 | 12 | <5 |
| 209S | 0.6 | <0.01 | <0.01 | 51 | 8 | <2 | <100 | 37 | 11 | <0.5 | 0 | 140 | 13 | <5 |
| 210S | 0.6 | <0.01 | <0.01 | 70 | 5 | <2 | <100 | 40 | 17 | <0.5 | 0 | 140 | 14 | <5 |
| 211S | 0.6 | <0.01 | <0.01 | 77 | 5 | <2 | <100 | 40 | 19 | <0.5 | 0 | 160 | 15 | <5 |
| 212S | 0.6 | <0.01 | <0.01 | 95 | 7 | <2 | <100 | 52 | 24 | 0.6 | 0 | 160 | 17 | <5 |
| 213S | 0.9 | <0.01 | <0.01 | 63 | 6 | <2 | <100 | 41 | 28 | <0.5 | 0 | 150 | 11 | <5 |
| 214S | 0.8 | <0.01 | <0.01 | 67 | 7 | <2 | <100 | 42 | 30 | <0.5 | 0 | 190 | 12 | <5 |
| 215S | 0.6 | <0.01 | <0.01 | 37 | 5 | <2 | <100 | 29 | 15 | <0.5 | 0 | 79 | 10 | <5 |
| 216S | 0.9 | <0.01 | <0.01 | 75 | 6 | <2 | <100 | 40 | 23 | <0.5 | 0 | 150 | 13 | <5 |
| 217S | 0.9 | <0.01 | <0.01 | 81 | 4 | <2 | <100 | 40 | 17 | <0.5 | 0 | 130 | 11 | <5 |
| 218S | 0.9 | <0.01 | <0.01 | 55 | 4 | <2 | <100 | 38 | 21 | <0.5 | 0 | 140 | 10 | <5 |
| 219S | 0.8 | <0.01 | <0.01 | 76 | 5 | <2 | <100 | 45 | 17 | <0.5 | 0 | 140 | 13 | <5 |
| 220S | 0.6 | <0.01 | <0.01 | 72 | 6 | <2 | <100 | 44 | 14 | <0.5 | 0 | 150 | 11 | <5 |
| 221S | 1.0 | <0.01 | <0.01 | 82 | 4 | <2 | <100 | 42 | 31 | <0.5 | 0 | 150 | 11 | <5 |
| 222S | 0.3 | <0.01 | <0.01 | 150 | 8 | 2 | <100 | 71 | 40 | 1.2 | 0 | 230 | 23 | 6 |
| 223S | 1.2 | <0.01 | <0.01 | 100 | 5 | <2 | <100 | 52 | 33 | <0.5 | 0 | 140 | 11 | <5 |
| 224S | 0.8 | <0.01 | <0.01 | 73 | 4 | <2 | <100 | 40 | 20 | <0.5 | 0 | 140 | 11 | <5 |
| 225S | 1.0 | <0.01 | <0.01 | 70 | 6 | <2 | <100 | 38 | 15 | <0.5 | 0 | 160 | 12 | <5 |
| 226S | 1.4 | <0.01 | <0.01 | 61 | 4 | <2 | <100 | 33 | 18 | <0.5 | 0 | 110 | 8 | <5 |
| 227S | 0.9 | <0.01 | <0.01 | 66 | 7 | 2 | <100 | 41 | 18 | <0.5 | 0 | 160 | 10 | <5 |
| 228S | 2.0 | <0.01 | <0.01 | 56 | 4 | 2 | <100 | 35 | 14 | <0.5 | 0 | 100 | 10 | <5 |
| 229S | 0.9 | <0.01 | <0.01 | 68 | 6 | <2 | <100 | 39 | 13 | <0.5 | 0 | 140 | 13 | <5 |
| 230S | 1.2 | <0.01 | <0.01 | 42 | 8 | <2 | <100 | 28 | 9 | <0.5 | 0 | 180 | 16 | <5 |
| 232S | 0.7 | <0.01 | 0.01 | 110 | 6 | <2 | <100 | 54 | 32 | <0.5 | 0 | 160 | 16 | <5 |
| 233S | 0.7 | <0.01 | 0.01 | 59 | 9 | <2 | <100 | 36 | 22 | <0.5 | 0 | 150 | 14 | 5 |
| 234T | 1.1 | <0.01 | <0.01 | 110 | 4 | <2 | <100 | 55 | 19 | 0.5 | 0 | 120 | 12 | <5 |
| 236S | 0.4 | <0.01 | <0.01 | 91 | 6 | <2 | <100 | 42 | 13 | <0.5 | 0 | 140 | 12 | <5 |
| 237S | 0.6 | <0.01 | <0.01 | 74 | 6 | <2 | <100 | 45 | 25 | <0.5 | 0 | 170 | 17 | <5 |
| 238S | 1.0 | <0.01 | <0.01 | 80 | 6 | <2 | <100 | 41 | 26 | <0.5 | 0 | 180 | 15 | <5 |
| 239S | 0.5 | <0.01 | 0.02 | 77 | 9 | <2 | <100 | 37 | 29 | <0.5 | 0 | 250 | 22 | 6 |
| 240S | 0.6 | <0.01 | <0.01 | 80 | 6 | <2 | <100 | 48 | 16 | <0.5 | 0 | 160 | 15 | <5 |
| 243T | 1.0 | <0.01 | 0.01 | 96 | 6 | <2 | <100 | 45 | 24 | <0.5 | 0 | 130 | 14 | <5 |
| 244S | 0.5 | <0.01 | 0.01 | 81 | 9 | <2 | <100 | 46 | 20 | <0.5 | 0 | 170 | 17 | <5 |
| 245S | 0.7 | <0.01 | 0.01 | 76 | 7 | <2 | <100 | 40 | 28 | <0.5 | 0 | 140 | 17 | 5 |
| 246S | 0.5 | <0.01 | <0.01 | 67 | 7 | <2 | <100 | 42 | 25 | <0.5 | 0 | 150 | 17 | <5 |
| 247S | 0.6 | <0.01 | <0.01 | 69 | 6 | <2 | <100 | 36 | 25 | <0.5 | 0 | 180 | 16 | <5 |
| 248S | 0.7 | <0.01 | 0.01 | 59 | 6 | <2 | <100 | 31 | 18 | <0.5 | 0 | 160 | 12 | <5 |
| 249S | 0.6 | <0.01 | 0.01 | 75 | 7 | <2 | <100 | 39 | 20 | <0.5 | 0 | 150 | 15 | <5 |
| 250S | 0.6 | <0.01 | <0.01 | 75 | 7 | <2 | <100 | 45 | 22 | <0.5 | 0 | 160 | 17 | <5 |
| 251S | 1.8 | <0.01 | <0.01 | 130 | 4 | 2 | <100 | 62 | 34 | <0.5 | 0 | 110 | 13 | <5 |
| 252S | 0.6 | <0.01 | <0.01 | 85 | 7 | <2 | <100 | 48 | 27 | <0.5 | 0 | 150 | 18 | <5 |
| 253S | 0.5 | <0.01 | <0.01 | 65 | 8 | <2 | <100 | 41 | 18 | <0.5 | 0 | 180 | 17 | <5 |
| 254S | 1.0 | <0.01 | 0.02 | 53 | 9 | <2 | <100 | 31 | 19 | <0.5 | 0 | 170 | 11 | <5 |
| 255S | 0.9 | <0.01 | <0.01 | 79 | 6 | <2 | <100 | 45 | 25 | <0.5 | 0 | 130 | 12 | <5 |
| 256S | 1.3 | <0.01 | <0.01 | 89 | 7 | <2 | <100 | 48 | 20 | <0.5 | 0 | 150 | 10 | <5 |
| 257S | 1.2 | <0.01 | <0.01 | 85 | 5 | <2 | <100 | 45 | 26 | <0.5 | 0 | 130 | 10 | <5 |
| 258S | 1.1 | <0.01 | <0.01 | 89 | 5 | <2 | <100 | 51 | 36 | <0.5 | 0 | 150 | 11 | <5 |
| 259S | 0.8 | <0.01 | 0.01 | 95 | 5 | <2 | <100 | 40 | 27 | <0.5 | 0 | 180 | 14 | <5 |
| 260S | 1.0 | <0.01 | <0.01 | 74 | 6 | <2 | <100 | 45 | 28 | <0.5 | 0 | 180 | 12 | <5 |
| 261S | 0.8 | <0.01 | <0.01 | 90 | 7 | <2 | <100 | 52 | 30 | <0.5 | 0 | 170 | 12 | <5 |
| 262S | 0.8 | <0.01 | <0.01 | 78 | 7 | <2 | <100 | 49 | 16 | <0.5 | 0 | 180 | 15 | <5 |
| 263T | 1.1 | <0.01 | 0.02 | 81 | 4 | <2 | <100 | 47 | 21 | <0.5 | 0 | 140 | 11 | <5 |
| 264S | 1.1 | <0.01 | 0.01 | 100 | 3 | <2 | <100 | 54 | 26 | 0.7 | 0 | 150 | 13 | <5 |
| 265S | 0.8 | <0.01 | <0.01 | 96 | 6 | <2 | <100 | 50 | 15 | 0.6 | 0 | 130 | 13 | <5 |
| 266S | 0.6 | <0.01 | <0.01 | 67 | 6 | <2 | <100 | 44 | 18 | <0.5 | 0 | 150 | 16 | <5 |
| 267S | 0.8 | <0.01 | 0.01 | 80 | 6 | <2 | <100 | 47 | 26 | <0.5 | 0 | 170 | 13 | <5 |

Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 200S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 201S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 202S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 11 | <5 |
| 203S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 204S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 20 | <5 |
| 205S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 16 | <5 |
| 206S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 19 | <5 |
| 207S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 20 | <5 |
| 208T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 209S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 210S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 211S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 19 | <5 |
| 212S | <10 | 9 | <200 | 1 | <10 | 2 | <20 | <10 | 31 | <5 |
| 213S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 214S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 215S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 216S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 217S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 218S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 219S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 25 | <5 |
| 220S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 221S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| 222S | <10 | 13 | <200 | 0 | <10 | 3 | <20 | <10 | 63 | 10 |
| 223S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 224S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 225S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 14 | <5 |
| 226S | <10 | 4 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |
| 227S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 5 | <5 |
| 228S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 229S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 230S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 232S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 22 | 5 |
| 233S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 234T | <10 | 9 | <200 | 0 | <10 | 1 | <20 | <10 | 27 | <5 |
| 236S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 237S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 238S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 239S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 18 | <5 |
| 240S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 19 | <5 |
| 243T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 16 | <5 |
| 244S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 20 | <5 |
| 245S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 26 | <5 |
| 246S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 25 | <5 |
| 247S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 248S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 249S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 20 | <5 |
| 250S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 21 | <5 |
| 251S | <10 | 9 | <200 | 1 | <10 | 2 | <20 | <10 | 27 | <5 |
| 252S | <10 | 9 | <200 | 1 | <10 | 1 | <20 | <10 | 30 | <5 |
| 253S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 24 | <5 |
| 254S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 255S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 256S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 257S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 258S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 12 | <5 |
| 259S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 260S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 261S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 4 | <5 |
| 262S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 18 | <5 |
| 263T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 264S | <10 | 9 | <200 | 0 | <10 | 1 | <20 | <10 | 30 | 6 |
| 265S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 26 | 5 |
| 266S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 22 | <5 |
| 267S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
# Soil/Talus Fines Analyses
# 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 268S | <2 | <20 | 8 | 9 | 14 | 1 | <5 | 2 | 6 | <200 | 132 | 27 | 46 | 860 | 81 |
| 269S | <2 | <20 | <5 | 7 | 9 | 1 | <5 | <2 | 6 | <200 | 132 | 25 | 41 | 760 | 51 |
| 270S | <2 | <20 | <5 | 10 | 7 | 1 | <5 | <2 | 6 | <200 | 116 | 29 | 42 | 510 | 56 |
| 271S | <2 | <20 | <5 | 9 | 14 | 1 | <5 | 3 | 6 | <200 | 112 | 32 | 42 | 780 | 109 |
| 274S | <2 | <20 | <5 | 3 | 9 | 1 | <5 | <2 | 4 | <200 | 148 | 18 | 12 | 530 | 44 |
| 275S | <2 | <20 | <5 | 4 | 6 | 1 | <5 | <2 | 3 | <200 | 73 | 16 | 14 | 660 | 77 |
| 276S | <2 | <20 | 9 | 7 | <5 | 1 | <5 | <2 | 6 | <200 | 119 | 21 | 19 | 650 | 66 |
| 277S | <2 | <20 | 6 | 9 | 14 | 1 | <5 | <2 | 6 | <200 | 118 | 31 | 30 | 680 | 75 |
| 278S | <2 | <20 | 7 | 12 | <5 | 1 | <5 | 5 | 8 | <200 | 73 | 60 | 111 | 960 | 94 |
| 279S | <2 | <20 | <5 | 8 | <5 | 2 | <5 | 3 | 6 | <200 | 98 | 20 | 22 | 760 | 42 |
| 280S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 3 | <200 | 77 | 22 | 13 | 1100 | 63 |
| 281S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 56 | 23 | 14 | 720 | 46 |
| 282S | 4 | <20 | 11 | 11 | 7 | 2 | <5 | <2 | 5 | <200 | 114 | 24 | 34 | 1100 | 45 |
| 283S | <2 | <20 | <5 | 8 | 9 | 1 | <5 | 4 | 6 | <200 | 68 | 12 | 9 | 780 | 81 |
| 284S | <2 | <20 | <5 | 9 | <5 | 2 | <5 | 3 | 7 | 230 | 135 | 43 | 95 | 1000 | 93 |
| 285S | <2 | <20 | <5 | 13 | <5 | 5 | <5 | 10 | 16 | 490 | 426 | 79 | 118 | 750 | 77 |
| 286S | 14 | <20 | 705 | 200 | 173 | 45 | 32 | 4 | 7 | 240 | 163 | 31 | 70 | 1200 | 142 |
| 287S | 7 | <20 | <5 | 11 | <5 | 2 | <5 | 2 | 4 | <200 | 123 | 24 | 28 | 640 | 74 |
| 288S | 2 | <20 | <5 | 5 | 8 | 1 | <5 | <2 | 5 | <200 | 96 | 21 | 18 | 670 | 110 |
| 289S | <2 | <20 | <5 | 9 | 9 | 1 | <5 | <2 | 5 | <200 | 90 | 21 | 35 | 820 | 105 |
| 290S | <2 | <20 | <5 | 12 | 10 | 1 | <5 | 2 | 6 | <200 | 114 | 20 | 49 | 890 | 43 |
| 291S | <2 | <20 | 5 | 9 | 6 | 1 | <5 | <2 | 4 | <200 | 123 | 20 | 39 | 640 | 48 |
| 292S | 3 | <20 | 5 | 14 | 6 | 1 | <5 | 3 | 9 | <200 | 99 | 33 | 55 | 810 | 66 |
| 293S | 3 | <20 | <5 | 10 | 10 | 1 | <5 | <2 | 5 | <200 | 116 | 27 | 48 | 920 | 65 |
| 294S | 3 | <20 | 8 | 7 | <5 | 1 | <5 | <2 | 3 | <200 | 88 | 27 | 46 | 1100 | 74 |
| 295S | 2 | <20 | 7 | 7 | <5 | 1 | <5 | 3 | 6 | <200 | 102 | 25 | 28 | 970 | 95 |
| 296T | <2 | <20 | 9 | 14 | 9 | 2 | <5 | 2 | 7 | <200 | 149 | 38 | 57 | 1000 | 53 |
| 297S | <2 | <20 | <5 | 15 | 11 | 2 | <5 | 6 | 10 | <200 | 195 | 49 | 83 | 1000 | 95 |
| 298T | <2 | <20 | 9 | 6 | 8 | 1 | <5 | <2 | 5 | <200 | 83 | 22 | 26 | 950 | 110 |
| 299T | <2 | <20 | <5 | 7 | 5 | 1 | <5 | <2 | 4 | <200 | 104 | 20 | 30 | 700 | 38 |
| 300T | <2 | <20 | <5 | 7 | 14 | 1 | <5 | 2 | 5 | <200 | 105 | 20 | 33 | 790 | 31 |
| 301S | 2 | <20 | 9 | 12 | 9 | 2 | <5 | 3 | 5 | <200 | 129 | 22 | 30 | 970 | 43 |
| 302S | <2 | <20 | 7 | 9 | 6 | 2 | <5 | <2 | 5 | <200 | 118 | 20 | 26 | 970 | 62 |
| 303T | 7 | <20 | 13 | 17 | 13 | 3 | <5 | 5 | 8 | <200 | 138 | 31 | 29 | 1000 | 41 |
| 304S | 11 | <20 | 7 | 13 | 12 | 2 | <5 | 3 | 7 | <200 | 122 | 29 | 37 | 1200 | 73 |
| 305T | 5 | <20 | 8 | 13 | 9 | 2 | <5 | 4 | 6 | <200 | 116 | 23 | 35 | 1100 | 46 |
| 306T | 4 | <20 | 53 | 37 | 31 | 4 | <5 | 4 | 8 | <200 | 110 | 24 | 39 | 1500 | 46 |
| 307T | <2 | <20 | 11 | 17 | 15 | 3 | <5 | <2 | 7 | <200 | 108 | 24 | 33 | 1200 | 58 |
| 308T | 6 | <20 | <5 | 32 | 22 | 8 | <5 | 8 | 9 | <200 | 142 | 28 | 70 | 1600 | 69 |
| 309S | 2 | <20 | 8 | 10 | 6 | 2 | <5 | 4 | 7 | <200 | 111 | 24 | 27 | 1500 | 109 |
| 310S | 3 | <20 | 9 | 15 | 9 | 3 | <5 | 4 | 8 | 280 | 214 | 26 | 47 | 1600 | 69 |
| 311T | 6 | <20 | 14 | 25 | 14 | 5 | <5 | 10 | 11 | <200 | 151 | 42 | 55 | 1500 | 54 |
| 312S | <2 | <20 | <5 | 11 | 13 | 2 | <5 | 3 | 5 | <200 | 91 | 21 | 18 | 1200 | 103 |
| 313T | 5 | <20 | 13 | 20 | 14 | 3 | <5 | 6 | 8 | <200 | 138 | 38 | 41 | 1500 | 54 |
| 314S | 4 | <20 | <5 | 10 | 7 | 2 | <5 | 3 | 5 | <200 | 119 | 25 | 36 | 910 | 63 |
| 315S | 2 | <20 | 6 | 10 | <5 | 2 | <5 | <2 | 5 | <200 | 82 | 24 | 49 | 1000 | 66 |
| 316S | <2 | <20 | 10 | 12 | 8 | 3 | <5 | 3 | 8 | <200 | 126 | 31 | 35 | 960 | 92 |
| 317S | <2 | <20 | 6 | 8 | 8 | 1 | <5 | <2 | 4 | <200 | 78 | 25 | 51 | 1100 | 77 |
| 318S | 3 | <20 | 5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 78 | 17 | 27 | 1200 | 47 |
| 319T | 110 | 69 | <5 | 12 | <5 | 4 | <5 | 3 | 4 | <200 | 92 | 27 | 45 | 670 | 43 |
| 320S | 14 | <20 | <5 | 10 | 7 | 2 | <5 | <2 | 6 | <200 | 115 | 27 | 37 | 830 | 106 |
| 321S | 6 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 5 | <200 | 131 | 22 | 33 | 820 | 81 |
| 322S | 3 | <20 | <5 | 9 | 10 | 1 | <5 | <2 | 4 | <200 | 100 | 22 | 32 | 800 | 76 |
| 323S | 4 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 5 | <200 | 103 | 22 | 30 | 920 | 60 |
| 324S | 3 | <20 | 6 | 6 | 10 | 1 | <5 | <2 | 4 | <200 | 89 | 21 | 24 | 770 | 86 |
| 325S | <2 | <20 | 7 | 9 | 6 | 2 | <5 | <2 | 3 | <200 | 137 | 24 | 32 | 590 | 72 |
| 326S | 16 | <20 | 8 | 9 | 10 | 2 | <5 | <2 | 4 | <200 | 128 | 22 | 25 | 710 | 64 |
| 327S | 5 | <20 | <5 | 12 | 11 | 1 | <5 | <2 | 5 | <200 | 85 | 21 | 26 | 680 | 64 |
| 328S | 2 | <20 | <5 | 9 | 15 | 1 | <5 | <2 | 7 | <200 | 100 | 21 | 23 | 630 | 67 |
| 329S | 2 | <20 | <5 | 11 | 25 | 2 | <5 | <2 | 6 | <200 | 130 | 24 | 25 | 700 | 91 |
| 330S | 18 | <20 | 5 | 10 | 9 | 2 | <5 | <2 | 5 | <200 | 116 | 20 | 27 | 1100 | 59 |
| 331S | 17 | <20 | 19 | 12 | 16 | 2 | <5 | <2 | 6 | 250 | 124 | 23 | 47 | 1000 | 58 |
| 332S | 9 | <20 | <5 | 12 | 24 | 2 | <5 | <2 | 5 | <200 | 119 | 22 | 32 | 1000 | 93 |
| 333S | 12 | <20 | <5 | 10 | 11 | 2 | <5 | 2 | 4 | <200 | 120 | 19 | 24 | 690 | 68 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 268S | <5 | 0.2 | 851 | 45 | 45 | 23 | 28 | 54 | 20 | <5 | 7 | <10 | <0.2 | <2 | 56 |
| 269S | <5 | <0.2 | 924 | 43 | 39 | 32 | 29 | 72 | 19 | <5 | 7 | <10 | <0.2 | <2 | 61 |
| 270S | <5 | 0.2 | 907 | 39 | 41 | 25 | 25 | 60 | 21 | <5 | 11 | <10 | <0.2 | <2 | 73 |
| 271S | <5 | <0.2 | 1749 | 36 | 43 | 39 | 42 | 110 | 21 | 5 | 6 | <10 | <0.2 | <2 | 68 |
| 274S | <5 | <0.2 | 223 | 33 | 31 | 13 | 15 | <50 | 22 | <5 | 5 | <10 | <0.2 | 6 | 114 |
| 275S | <5 | 0.2 | 151 | <20 | 21 | 11 | 10 | 65 | 18 | <5 | 3 | <10 | <0.2 | 8 | 41 |
| 276S | <5 | <0.2 | 198 | 33 | 31 | 13 | 13 | 71 | 20 | <5 | 6 | <10 | <0.2 | 4 | 57 |
| 277S | <5 | 0.2 | 760 | 41 | 34 | 19 | 21 | <50 | 15 | <5 | 16 | <10 | <0.2 | <2 | 35 |
| 278S | <5 | 0.4 | 741 | 81 | 71 | 47 | 48 | 76 | 11 | 6 | 4 | 11 | <0.2 | <2 | 26 |
| 279S | <5 | 0.3 | 284 | <20 | 23 | 15 | 17 | 63 | 10 | 6 | 6 | <10 | <0.2 | <2 | 34 |
| 280S | <5 | <0.2 | 1316 | 51 | 30 | 18 | 17 | 56 | 11 | <5 | 6 | <10 | <0.2 | <2 | 30 |
| 281S | <5 | <0.2 | 933 | 36 | 28 | 25 | 24 | 56 | 12 | <5 | 7 | <10 | <0.2 | <2 | 31 |
| 282S | <5 | 0.2 | 375 | 42 | 34 | 16 | 18 | 81 | 13 | <5 | 7 | <10 | <0.2 | <2 | 31 |
| 283S | <5 | <0.2 | 63 | <20 | 16 | <10 | 7 | 66 | 14 | <5 | 3 | <10 | <0.2 | 7 | 32 |
| 284S | <5 | 0.3 | 430 | 140 | 90 | 54 | 50 | 57 | 10 | <5 | 11 | <10 | 0.3 | <2 | 18 |
| 285S | <5 | 0.4 | 1660 | 130 | 121 | 87 | 82 | <50 | 11 | 7 | 7 | <10 | 0.9 | <2 | 24 |
| 286S | <5 | 0.4 | 562 | 66 | 54 | 35 | 36 | 77 | 9 | <5 | 14 | <10 | 0.4 | <2 | 10 |
| 287S | <5 | <0.2 | 1265 | 39 | 31 | 28 | 24 | 81 | 14 | <5 | 6 | <10 | <0.2 | <2 | 46 |
| 288S | <5 | <0.2 | 1327 | <20 | 24 | 18 | 19 | <50 | 15 | 5 | 5 | <10 | <0.2 | <2 | 59 |
| 289S | <5 | <0.2 | 487 | 53 | 39 | 26 | 23 | 65 | 16 | <5 | 4 | <10 | <0.2 | <2 | 49 |
| 290S | <5 | <0.2 | 465 | 74 | 41 | 25 | 23 | 82 | 20 | <5 | 8 | <10 | <0.2 | <2 | 73 |
| 291S | <5 | 0.3 | 219 | 44 | 33 | 17 | 15 | 70 | 16 | <5 | 10 | <10 | <0.2 | <2 | 52 |
| 292S | <5 | 0.2 | 373 | 42 | 48 | 27 | 30 | 72 | 12 | <5 | 7 | <10 | <0.2 | <2 | 34 |
| 293S | <5 | <0.2 | 754 | <20 | 48 | 33 | 32 | 65 | 17 | <5 | 6 | <10 | <0.2 | <2 | 54 |
| 294S | <5 | <0.2 | 1034 | 51 | 31 | 28 | 27 | 61 | 12 | <5 | 6 | <10 | <0.2 | <2 | 26 |
| 295S | <5 | <0.2 | 608 | 23 | 31 | 19 | 19 | 65 | 16 | <5 | 7 | <10 | <0.2 | <2 | 34 |
| 296T | <5 | 0.3 | 890 | 70 | 46 | 26 | 27 | 68 | 16 | <5 | 7 | <10 | 0.2 | <2 | 38 |
| 297S | <5 | 0.3 | 848 | 62 | 52 | 37 | 36 | 76 | 16 | 5 | 10 | <10 | 0.5 | <2 | 41 |
| 298T | <5 | 0.3 | 555 | 31 | 27 | 20 | 19 | <50 | 16 | <5 | 11 | <10 | <0.2 | 3 | 43 |
| 299T | <5 | <0.2 | 619 | 41 | 29 | 20 | 18 | 67 | 15 | <5 | 11 | <10 | <0.2 | <2 | 61 |
| 300T | <5 | <0.2 | 479 | 43 | 34 | 18 | 20 | 73 | 19 | <5 | 8 | <10 | <0.2 | <2 | 63 |
| 301S | <5 | <0.2 | 318 | <20 | 35 | 15 | 18 | 66 | 15 | <5 | 6 | <10 | <0.2 | <2 | 41 |
| 302S | <5 | <0.2 | 483 | 28 | 32 | 16 | 17 | 75 | 14 | <5 | 11 | <10 | <0.2 | <2 | 41 |
| 303T | <5 | 0.3 | 395 | 64 | 38 | 20 | 21 | 88 | 13 | 6 | 10 | <10 | <0.2 | <2 | 33 |
| 304S | <5 | <0.2 | 670 | <20 | 36 | 27 | 25 | 56 | 13 | <5 | 6 | <10 | <0.2 | <2 | 29 |
| 305T | <5 | 0.2 | 645 | 41 | 35 | 23 | 21 | 73 | 14 | <5 | 7 | <10 | <0.2 | <2 | 32 |
| 306T | <5 | 0.3 | 550 | 54 | 43 | 24 | 26 | 77 | 15 | 5 | 4 | <10 | <0.2 | <2 | 27 |
| 307T | <5 | <0.2 | 439 | 45 | 34 | 20 | 19 | 79 | 10 | <5 | 10 | <10 | <0.2 | <2 | 24 |
| 308T | <5 | 0.3 | 308 | 43 | 42 | 27 | 23 | 65 | 6 | <5 | 6 | <10 | 0.4 | <2 | 13 |
| 309S | <5 | 0.3 | 735 | 49 | 38 | 21 | 19 | <50 | 14 | <5 | 10 | <10 | <0.2 | <2 | 35 |
| 310S | <5 | 0.3 | 494 | 58 | 49 | 18 | 23 | 64 | 15 | <5 | 18 | <10 | <0.2 | <2 | 31 |
| 311T | <5 | 0.4 | 246 | 61 | 44 | 30 | 24 | 66 | 8 | 5 | 9 | <10 | 0.4 | <2 | 18 |
| 312S | <5 | <0.2 | 667 | 26 | 29 | 16 | 16 | 77 | 12 | <5 | 4 | <10 | <0.2 | <2 | 31 |
| 313T | <5 | 0.3 | 227 | 46 | 37 | 17 | 19 | 71 | 10 | <5 | 6 | <10 | 0.3 | <2 | 23 |
| 314S | <5 | <0.2 | 681 | 53 | 34 | 22 | 22 | 70 | 13 | <5 | 6 | <10 | <0.2 | <2 | 37 |
| 315S | <5 | <0.2 | 611 | 54 | 37 | 28 | 27 | <50 | 10 | <5 | 8 | <10 | <0.2 | <2 | 27 |
| 316S | <5 | <0.2 | 921 | 45 | 39 | 25 | 28 | 66 | 15 | <5 | 7 | <10 | <0.2 | <2 | 38 |
| 317S | <5 | <0.2 | 765 | <20 | 34 | 34 | 31 | 66 | 15 | <5 | 6 | <10 | <0.2 | <2 | 36 |
| 318S | <5 | <0.2 | 500 | 48 | 33 | 17 | 17 | 70 | 15 | <5 | 5 | <10 | <0.2 | <2 | 34 |
| 319T | <5 | <0.2 | 311 | 70 | 32 | 27 | 22 | 84 | 14 | <5 | 9 | <10 | <0.2 | <2 | 50 |
| 320S | <5 | <0.2 | 1096 | <20 | 42 | 29 | 31 | 69 | 19 | 5 | 4 | <10 | <0.2 | <2 | 62 |
| 321S | <5 | <0.2 | 1285 | 39 | 33 | 29 | 28 | 68 | 14 | <5 | 5 | <10 | <0.2 | <2 | 49 |
| 322S | <5 | <0.2 | 1241 | 35 | 33 | 27 | 26 | <50 | 15 | <5 | 4 | <10 | <0.2 | <2 | 50 |
| 323S | <5 | <0.2 | 797 | 46 | 36 | 27 | 26 | 52 | 15 | <5 | 5 | <10 | <0.2 | <2 | 45 |
| 324S | <5 | <0.2 | 417 | 64 | 34 | 24 | 20 | 61 | 13 | <5 | 11 | <10 | <0.2 | <2 | 56 |
| 325S | <5 | <0.2 | 1187 | <20 | 25 | 24 | 23 | <50 | 10 | <5 | 7 | <10 | 0.4 | <2 | 32 |
| 326S | <5 | <0.2 | 849 | <20 | 30 | 22 | 21 | <50 | 14 | <5 | 3 | <10 | <0.2 | <2 | 47 |
| 327S | <5 | <0.2 | 917 | 40 | 35 | 26 | 25 | 85 | 21 | <5 | 12 | <10 | <0.2 | <2 | 77 |
| 328S | <5 | <0.2 | 575 | 61 | 39 | 26 | 26 | 76 | 20 | <5 | 5 | <10 | <0.2 | <2 | 81 |
| 329S | <5 | <0.2 | 329 | 51 | 42 | 28 | 26 | 70 | 21 | 6 | 3 | <10 | <0.2 | 4 | 90 |
| 330S | <5 | <0.2 | 429 | 48 | 33 | 18 | 18 | 85 | 16 | <5 | 4 | <10 | <0.2 | <2 | 50 |
| 331S | <5 | <0.2 | 437 | 55 | 38 | 20 | 20 | 56 | 18 | <5 | 8 | <10 | <0.2 | <2 | 56 |
| 332S | <5 | <0.2 | 309 | 54 | 37 | 21 | 19 | 96 | 20 | <5 | 6 | <10 | <0.2 | 2 | 59 |
| 333S | <5 | <0.2 | 993 | 39 | 28 | 22 | 19 | <50 | 13 | <5 | 6 | <10 | <0.2 | <2 | 43 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 268S | <20 | 15 | 4 | 17 | 4 | <500 | 2 | 13 | 0.3 | 5.4 | 4.3 | 2.3 | 2.3 | 0.3 |
| 269S | <20 | 15 | 4 | 15 | 3 | <500 | 5 | 17 | 0.5 | 4.9 | 3.8 | 2.4 | 2.2 | 0.2 |
| 270S | <20 | 14 | 4 | 16 | 4 | <500 | 5 | 19 | 0.6 | 4.9 | 4.1 | 2.7 | 2.3 | 0.2 |
| 271S | <20 | 16 | 4 | 17 | 4 | <500 | 2 | 8 | 0.1 | 4.8 | 4.0 | 2.3 | 2.4 | 0.2 |
| 274S | <20 | 9 | 3 | 21 | 3 | <500 | 0 | 13 | 0.3 | 4.1 | 3.4 | 3.0 | 2.9 | 0.3 |
| 275S | <20 | 10 | 3 | 26 | 3 | 520 | 0 | 14 | 0.3 | 3.0 | 2.4 | 1.8 | 2.1 | 0.2 |
| 276S | <20 | 12 | 4 | 23 | 4 | <500 | 0 | 6 | 0.1 | 5.1 | 4.1 | 2.0 | 2.4 | 0.2 |
| 277S | <20 | 14 | 4 | 21 | 6 | <500 | 4 | 5 | 0.1 | 5.2 | 4.0 | 1.2 | 3.0 | 0.1 |
| 278S | <20 | 15 | 4 | 9 | 3 | <500 | 2 | 11 | 0.2 | 7.1 | 5.6 | 0.9 | 1.5 | 0.1 |
| 279S | <20 | 11 | 4 | 11 | 3 | <500 | 0 | 11 | 0.3 | 5.6 | 4.9 | 0.7 | 1.2 | 0.1 |
| 280S | <20 | 18 | 3 | 8 | 5 | <500 | 2 | 9 | 0.3 | 3.8 | 2.9 | 1.5 | 1.3 | 0.1 |
| 281S | <20 | 17 | 4 | 6 | 4 | <500 | 3 | 7 | 0.2 | 4.2 | 3.3 | 1.5 | 1.6 | 0.1 |
| 282S | <20 | 17 | 4 | 9 | 4 | <500 | 4 | 18 | 0.5 | 4.5 | 3.3 | 1.7 | 1.5 | 0.1 |
| 283S | <20 | 9 | 4 | 38 | 4 | <500 | 2 | 4 | 0.0 | 3.4 | 2.6 | 1.3 | 1.9 | 0.1 |
| 284S | <20 | 16 | 4 | 6 | 2 | <500 | 4 | 37 | 1.7 | 7.3 | 5.2 | 0.9 | 1.0 | 0.3 |
| 285S | <20 | 17 | 7 | 9 | 3 | 530 | 5 | 13 | 0.3 | 9.0 | 7.5 | 0.9 | 1.3 | 0.2 |
| 286S | <20 | 17 | 4 | 27 | <2 | <500 | 1 | 31 | 0.6 | 6.8 | 5.4 | 0.6 | 0.5 | 0.1 |
| 287S | <20 | 12 | 3 | 12 | 3 | <500 | 5 | 26 | 0.9 | 4.4 | 3.1 | 2.0 | 1.7 | 0.1 |
| 288S | <20 | 10 | 3 | 13 | 3 | <500 | 3 | 26 | 0.8 | 3.9 | 2.9 | 2.1 | 1.9 | 0.1 |
| 289S | <20 | 13 | 3 | 16 | 4 | <500 | 12 | 28 | 0.6 | 4.5 | 3.4 | 2.0 | 2.6 | 0.2 |
| 290S | <20 | 15 | 4 | 14 | 3 | <500 | 4 | 48 | 1.7 | 4.8 | 3.6 | 2.5 | 2.3 | 0.2 |
| 291S | <20 | 12 | 4 | 11 | 3 | <500 | 5 | 30 | 1.0 | 3.9 | 2.9 | 2.2 | 1.7 | 0.1 |
| 292S | <20 | 13 | 4 | 9 | 4 | <500 | 3 | 15 | 0.3 | 5.6 | 4.7 | 1.4 | 1.3 | 0.1 |
| 293S | <20 | 15 | 4 | 12 | 3 | <500 | 5 | 21 | 0.6 | 4.8 | 3.9 | 2.1 | 1.9 | 0.2 |
| 294S | <20 | 16 | 3 | 10 | 3 | <500 | 2 | 9 | 0.2 | 4.3 | 3.0 | 1.3 | 1.6 | 0.1 |
| 295S | <20 | 13 | 4 | 21 | 4 | <500 | 2 | 13 | 0.3 | 4.4 | 3.2 | 1.6 | 2.0 | 0.1 |
| 296T | <20 | 17 | 5 | 16 | 4 | <500 | 3 | 9 | 0.2 | 5.6 | 4.4 | 2.0 | 1.8 | 0.1 |
| 297S | <20 | 16 | 5 | 21 | 4 | <500 | 6 | 21 | 0.4 | 5.9 | 5.0 | 1.9 | 2.3 | 0.2 |
| 298T | <20 | 13 | 4 | 23 | 4 | <500 | 5 | 20 | 0.4 | 4.8 | 3.7 | 1.6 | 3.1 | 0.1 |
| 299T | <20 | 11 | 3 | 13 | <2 | <500 | 4 | 33 | 1.1 | 4.1 | 3.0 | 2.4 | 1.9 | 0.1 |
| 300T | <20 | 15 | 4 | 13 | 3 | <500 | 4 | 15 | 0.4 | 4.2 | 3.5 | 2.6 | 2.2 | 0.1 |
| 301S | <20 | 16 | 4 | 12 | 4 | <500 | 3 | 19 | 0.4 | 4.3 | 3.5 | 2.1 | 1.7 | 0.1 |
| 302S | <20 | 12 | 3 | 13 | 4 | <500 | 3 | 24 | 0.6 | 4.0 | 3.3 | 2.1 | 2.0 | 0.1 |
| 303T | <20 | 23 | 6 | 9 | 5 | <500 | 4 | 18 | 0.3 | 4.6 | 3.8 | 1.7 | 1.4 | 0.1 |
| 304S | <20 | 17 | 4 | 10 | 4 | <500 | 3 | 19 | 0.5 | 4.9 | 4.1 | 1.5 | 1.6 | 0.1 |
| 305T | <20 | 20 | 5 | 9 | 4 | <500 | 2 | 21 | 0.4 | 4.8 | 3.7 | 1.8 | 1.5 | 0.1 |
| 306T | <20 | 21 | 5 | 10 | 5 | <500 | 2 | 17 | 0.2 | 5.4 | 4.2 | 1.5 | 1.2 | 0.1 |
| 307T | <20 | 17 | 5 | 9 | 4 | <500 | 4 | 19 | 0.5 | 4.4 | 3.5 | 1.3 | 1.3 | 0.1 |
| 308T | <20 | 17 | 6 | 9 | 4 | <500 | 4 | 101 | 6.1 | 4.5 | 3.4 | 1.6 | 0.6 | 0.1 |
| 309S | <20 | 17 | 8 | 15 | 4 | <500 | 3 | 16 | 0.3 | 4.4 | 3.5 | 1.7 | 2.1 | 0.1 |
| 310S | <20 | 17 | 6 | 14 | 5 | <500 | 3 | 24 | 0.4 | 4.4 | 3.9 | 1.7 | 1.5 | 0.1 |
| 311T | <20 | 16 | 6 | 7 | 5 | <500 | 3 | 83 | 3.1 | 5.2 | 3.9 | 1.8 | 0.8 | 0.1 |
| 312S | <20 | 16 | 3 | 10 | 4 | <500 | 4 | 33 | 1.0 | 3.8 | 3.0 | 1.7 | 1.3 | 0.1 |
| 313T | <20 | 16 | 5 | 10 | 5 | <500 | 3 | 47 | 1.5 | 3.7 | 3.1 | 1.8 | 1.0 | 0.1 |
| 314S | <20 | 15 | 3 | 8 | 4 | <500 | 4 | 24 | 1.0 | 4.3 | 3.1 | 1.9 | 1.4 | 0.1 |
| 315S | <20 | 13 | 3 | 7 | 3 | <500 | 3 | 20 | 0.6 | 4.5 | 3.4 | 1.4 | 1.2 | 0.1 |
| 316S | <20 | 16 | 6 | 13 | 4 | <500 | 4 | 15 | 0.4 | 4.7 | 4.0 | 1.8 | 1.8 | 0.1 |
| 317S | <20 | 17 | 2 | 9 | 3 | 550 | 3 | 45 | 1.8 | 4.4 | 3.2 | 2.0 | 1.7 | 0.1 |
| 318S | <20 | 17 | 3 | 12 | 5 | <500 | 3 | 21 | 1.0 | 4.0 | 3.0 | 2.0 | 1.6 | 0.2 |
| 319T | <20 | 14 | 4 | 8 | 3 | <500 | 3 | 82 | 3.8 | 4.6 | 2.9 | 2.0 | 1.4 | 0.1 |
| 320S | <20 | 14 | 5 | 15 | 3 | <500 | 4 | 20 | 0.6 | 4.8 | 3.8 | 2.2 | 2.1 | 0.2 |
| 321S | <20 | 12 | 3 | 11 | 3 | <500 | 4 | 23 | 0.7 | 4.1 | 3.2 | 2.0 | 1.7 | 0.1 |
| 322S | <20 | 14 | 3 | 11 | <2 | <500 | 4 | 37 | 1.3 | 4.8 | 3.1 | 2.1 | 1.7 | 0.1 |
| 323S | <20 | 17 | 3 | 10 | 3 | <500 | 4 | 11 | 0.3 | 5.1 | 3.8 | 2.1 | 2.0 | 0.1 |
| 324S | <20 | 12 | 4 | 12 | 3 | <500 | 8 | 34 | 0.9 | 4.8 | 3.3 | 1.8 | 2.5 | 0.1 |
| 325S | <20 | 9 | 3 | 8 | <2 | <500 | 4 | 46 | 1.8 | 3.5 | 2.4 | 1.5 | 1.1 | 0.1 |
| 326S | <20 | 12 | 3 | 13 | 3 | <500 | 5 | 28 | 1.0 | 4.0 | 3.0 | 2.0 | 1.6 | 0.1 |
| 327S | <20 | 15 | 3 | 15 | 4 | <500 | 4 | 13 | 0.4 | 5.2 | 4.1 | 2.5 | 2.3 | 0.2 |
| 328S | <20 | 13 | 3 | 22 | 3 | <500 | 6 | 16 | 0.5 | 5.8 | 4.3 | 2.6 | 2.8 | 0.2 |
| 329S | <20 | 13 | 4 | 21 | 2 | <500 | 17 | 19 | 0.4 | 5.6 | 4.2 | 2.5 | 2.9 | 0.2 |
| 330S | <20 | 15 | 3 | 15 | 5 | <500 | 4 | 15 | 0.5 | 3.9 | 3.2 | 2.2 | 1.7 | 0.2 |
| 331S | <20 | 16 | 3 | 15 | 3 | <500 | 4 | 14 | 0.4 | 5.2 | 3.6 | 2.2 | 1.9 | 0.2 |
| 332S | <20 | 18 | 4 | 18 | 3 | <500 | 5 | 17 | 0.4 | 4.9 | 3.8 | 2.3 | 2.2 | 0.2 |
| 333S | <20 | 12 | 3 | 12 | 3 | <500 | 3 | 35 | 1.4 | 4.1 | 2.8 | 1.9 | 1.5 | 0.1 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 268S | 0.7 | <0.01 | 0.02 | 82 | 6 | <2 | <100 | 46 | 28 | <0.5 | 0 | 150 | 15 | <5 |
| 269S | 0.6 | <0.01 | <0.01 | 68 | 7 | <2 | <100 | 42 | 23 | <0.5 | 0 | 170 | 17 | <5 |
| 270S | 0.8 | <0.01 | <0.01 | 68 | 7 | <2 | <100 | 42 | 24 | <0.5 | 0 | 150 | 14 | <5 |
| 271S | 0.6 | <0.01 | <0.01 | 93 | 9 | <2 | <100 | 43 | 26 | <0.5 | 0 | 180 | 16 | <5 |
| 274S | 0.8 | <0.01 | 0.02 | 49 | 9 | <2 | <100 | 28 | 16 | <0.5 | 0 | 130 | 10 | <5 |
| 275S | 1.0 | 0.01 | 0.01 | 53 | 6 | <2 | <100 | 34 | 20 | <0.5 | 0 | 140 | 11 | <5 |
| 276S | 0.8 | <0.01 | 0.01 | 62 | 6 | <2 | <100 | 35 | 18 | <0.5 | 1 | 150 | 12 | <5 |
| 277S | 1.0 | 0.01 | 0.03 | 73 | 5 | <2 | <100 | 36 | 17 | <0.5 | 1 | 100 | 11 | <5 |
| 278S | 0.5 | <0.01 | <0.01 | 85 | 5 | <2 | <100 | 42 | 27 | <0.5 | 0 | 170 | 17 | <5 |
| 279S | 0.6 | <0.01 | <0.01 | 54 | 6 | <2 | <100 | 33 | 17 | <0.5 | 0 | 160 | 11 | <5 |
| 280S | 2.1 | <0.01 | <0.01 | 160 | 3 | <2 | <100 | 76 | 28 | 0.6 | 0 | 130 | 11 | <5 |
| 281S | 2.1 | <0.01 | <0.01 | 120 | 3 | <2 | <100 | 51 | 25 | <0.5 | 0 | 94 | 10 | <5 |
| 282S | 0.7 | <0.01 | <0.01 | 86 | 7 | <2 | <100 | 53 | 22 | <0.5 | 0 | 180 | 15 | <5 |
| 283S | 0.8 | <0.01 | <0.01 | 61 | 7 | <2 | <100 | 36 | 25 | <0.5 | 0 | 170 | 11 | <5 |
| 284S | 0.4 | <0.01 | 0.04 | 79 | 6 | <2 | <100 | 46 | 20 | <0.5 | 0 | 180 | 15 | <5 |
| 285S | 0.4 | <0.01 | 0.01 | 80 | 6 | 2 | <100 | 45 | 18 | <0.5 | 0 | 130 | 15 | <5 |
| 286S | 0.3 | <0.01 | <0.01 | 87 | 3 | <2 | <100 | 53 | 13 | <0.5 | 0 | 210 | 18 | 6 |
| 287S | 0.7 | <0.01 | <0.01 | 73 | 7 | <2 | <100 | 40 | 17 | <0.5 | 0 | 140 | 15 | <5 |
| 288S | 0.7 | <0.01 | 0.01 | 84 | 7 | <2 | <100 | 41 | 24 | <0.5 | 0 | 160 | 14 | <5 |
| 289S | 1.0 | 0.02 | 0.01 | 79 | 7 | <2 | <100 | 38 | 23 | <0.5 | 0 | 130 | 15 | <5 |
| 290S | 0.6 | <0.01 | <0.01 | 70 | 9 | <2 | <100 | 40 | 22 | <0.5 | 0 | 170 | 16 | <5 |
| 291S | 0.7 | <0.01 | <0.01 | 57 | 6 | <2 | <100 | 35 | 18 | <0.5 | 0 | 120 | 13 | <5 |
| 292S | 0.5 | <0.01 | <0.01 | 86 | 8 | <2 | <100 | 44 | 27 | <0.5 | 0 | 190 | 17 | <5 |
| 293S | 0.6 | <0.01 | <0.01 | 83 | 7 | <2 | <100 | 45 | 24 | <0.5 | 0 | 180 | 17 | <5 |
| 294S | 1.1 | <0.01 | <0.01 | 110 | 5 | 3 | <100 | 56 | 36 | 0.8 | 0 | 210 | 20 | <5 |
| 295S | 0.8 | <0.01 | <0.01 | 74 | 6 | <2 | <100 | 40 | 25 | <0.5 | 0 | 170 | 13 | <5 |
| 296T | 0.6 | <0.01 | <0.01 | 82 | 6 | <2 | <100 | 52 | 26 | <0.5 | 0 | 170 | 17 | <5 |
| 297S | 0.7 | 0.01 | 0.02 | 81 | 7 | <2 | <100 | 44 | 28 | <0.5 | 0 | 160 | 17 | <5 |
| 298T | 1.3 | 0.02 | 0.01 | 73 | 5 | <2 | <100 | 35 | 17 | <0.5 | 0 | 110 | 13 | <5 |
| 299T | 0.8 | <0.01 | 0.01 | 74 | 6 | <2 | <100 | 40 | 21 | <0.5 | 0 | 140 | 15 | <5 |
| 300T | 0.6 | <0.01 | <0.01 | 75 | 6 | <2 | <100 | 45 | 23 | <0.5 | 0 | 150 | 14 | <5 |
| 301S | 0.7 | <0.01 | 0.01 | 79 | 6 | <2 | <100 | 44 | 28 | <0.5 | 0 | 150 | 14 | <5 |
| 302S | 0.8 | <0.01 | 0.01 | 67 | 5 | <2 | <100 | 39 | 24 | <0.5 | 0 | 160 | 15 | <5 |
| 303T | 0.7 | <0.01 | <0.01 | 100 | 9 | <2 | <100 | 62 | 29 | <0.5 | 0 | 200 | 14 | <5 |
| 304S | 0.7 | <0.01 | <0.01 | 100 | 8 | <2 | <100 | 55 | 17 | <0.5 | 0 | 180 | 17 | <5 |
| 305T | 0.8 | <0.01 | <0.01 | 110 | 7 | <2 | <100 | 59 | 24 | <0.5 | 0 | 180 | 16 | <5 |
| 306T | 0.6 | <0.01 | <0.01 | 100 | 7 | 3 | <100 | 62 | 26 | <0.5 | 0 | 200 | 18 | <5 |
| 307T | 0.8 | <0.01 | <0.01 | 75 | 6 | <2 | <100 | 50 | 19 | <0.5 | 0 | 150 | 14 | <5 |
| 308T | 0.5 | <0.01 | <0.01 | 72 | 9 | <2 | <100 | 46 | 7 | <0.5 | 0 | 180 | 11 | <5 |
| 309S | 0.9 | <0.01 | 0.01 | 93 | 6 | 2 | <100 | 53 | 32 | <0.5 | 0 | 130 | 14 | <5 |
| 310S | 0.6 | <0.01 | <0.01 | 86 | 8 | <2 | <100 | 43 | 28 | <0.5 | 0 | 170 | 13 | <5 |
| 311T | 0.5 | <0.01 | <0.01 | 71 | 6 | <2 | <100 | 42 | 8 | <0.5 | 0 | 160 | 11 | <5 |
| 312S | 0.9 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 43 | 21 | <0.5 | 0 | 150 | 10 | <5 |
| 313T | 0.7 | <0.01 | <0.01 | 75 | 6 | <2 | <100 | 43 | 15 | <0.5 | 0 | 160 | 11 | <5 |
| 314S | 0.6 | <0.01 | <0.01 | 75 | 6 | <2 | <100 | 43 | 15 | <0.5 | 0 | 150 | 12 | <5 |
| 315S | 0.5 | <0.01 | <0.01 | 63 | 5 | <2 | <100 | 35 | 18 | <0.5 | 0 | 190 | 15 | <5 |
| 316S | 0.6 | <0.01 | <0.01 | 83 | 7 | <2 | <100 | 43 | 22 | <0.5 | 0 | 150 | 14 | <5 |
| 317S | 0.5 | <0.01 | <0.01 | 79 | 6 | <2 | <100 | 44 | 23 | <0.5 | 0 | 170 | 14 | <5 |
| 318S | 0.9 | <0.01 | <0.01 | 100 | 6 | <2 | <100 | 52 | 32 | <0.5 | 0 | 140 | 12 | <5 |
| 319T | 0.6 | <0.01 | <0.01 | 57 | 7 | <2 | <100 | 34 | 10 | <0.5 | 0 | 140 | 12 | <5 |
| 320S | 0.6 | <0.01 | <0.01 | 62 | 7 | <2 | <100 | 40 | 21 | <0.5 | 0 | 170 | 15 | <5 |
| 321S | 0.6 | <0.01 | <0.01 | 72 | 7 | <2 | <100 | 39 | 19 | <0.5 | 0 | 150 | 14 | <5 |
| 322S | 0.7 | <0.01 | <0.01 | 71 | 7 | <2 | <100 | 44 | 19 | <0.5 | 0 | 150 | 16 | <5 |
| 323S | 0.9 | <0.01 | <0.01 | 95 | 6 | <2 | <100 | 48 | 23 | <0.5 | 0 | 150 | 15 | <5 |
| 324S | 0.9 | 0.01 | 0.01 | 87 | 7 | <2 | <100 | 47 | 24 | <0.5 | 0 | 130 | 15 | <5 |
| 325S | 0.6 | <0.01 | <0.01 | 54 | 5 | <2 | <100 | 30 | 12 | <0.5 | 0 | 100 | 12 | <5 |
| 326S | 0.8 | <0.01 | <0.01 | 63 | 6 | <2 | <100 | 39 | 18 | <0.5 | 0 | 130 | 13 | <5 |
| 327S | 1.1 | <0.01 | 0.01 | 130 | 9 | 3 | <100 | 81 | 57 | 0.7 | 0 | 150 | 19 | 8 |
| 328S | 0.8 | 0.01 | 0.02 | 73 | 9 | <2 | <100 | 40 | 25 | <0.5 | 0 | 150 | 16 | 5 |
| 329S | 0.6 | <0.01 | 0.01 | 93 | 9 | <2 | <100 | 40 | 22 | <0.5 | 0 | 150 | 16 | <5 |
| 330S | 0.9 | <0.01 | <0.01 | 81 | 7 | <2 | <100 | 47 | 25 | <0.5 | 0 | 150 | 13 | <5 |
| 331S | 0.7 | <0.01 | <0.01 | 83 | 8 | <2 | <100 | 45 | 21 | <0.5 | 0 | 160 | 16 | <5 |
| 332S | 0.8 | <0.01 | <0.01 | 83 | 7 | <2 | <100 | 48 | 27 | <0.5 | 0 | 150 | 17 | <5 |
| 333S | 0.8 | <0.01 | <0.01 | 81 | 5 | <2 | <100 | 41 | 17 | <0.5 | 0 | 140 | 14 | <5 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 268S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 21 | <5 |
| 269S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 22 | <5 |
| 270S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 18 | <5 |
| 271S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 18 | <5 |
| 274S | <10 | 3 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 275S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 276S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 277S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 278S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 22 | <5 |
| 279S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 280S | <10 | 11 | <200 | 0 | <10 | 2 | <20 | <10 | 29 | <5 |
| 281S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 17 | <5 |
| 282S | <10 | 8 | <200 | 1 | <10 | 0 | <20 | <10 | 23 | <5 |
| 283S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 284S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 285S | <10 | 9 | <200 | 0 | <10 | 1 | <20 | <10 | 29 | 7 |
| 286S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 18 | <5 |
| 287S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 288S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 289S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 290S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 291S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 292S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 24 | <5 |
| 293S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 22 | <5 |
| 294S | <10 | 10 | <200 | 0 | <10 | 2 | <20 | <10 | 39 | 6 |
| 296S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 11 | <5 |
| 296T | <10 | 8 | <200 | 0 | <10 | 2 | <20 | <10 | 26 | <5 |
| 297S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 31 | <5 |
| 298T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 299T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 17 | <5 |
| 300T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 301S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 17 | <5 |
| 302S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 19 | <5 |
| 303T | <10 | 8 | <200 | 2 | <10 | 1 | <20 | <10 | 18 | <5 |
| 304S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 24 | <5 |
| 305T | <10 | 8 | <200 | 2 | <10 | 0 | <20 | <10 | 18 | <5 |
| 306T | <10 | 9 | <200 | 2 | <10 | 1 | <20 | <10 | 26 | <5 |
| 307T | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 22 | <5 |
| 308T | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 309S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 29 | <5 |
| 310S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 28 | <5 |
| 311T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 312S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 313T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 11 | <5 |
| 314S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 315S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 21 | <5 |
| 316S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 25 | <5 |
| 317S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 21 | <5 |
| 318S | <10 | 8 | <200 | 1 | <10 | 0 | <20 | <10 | 19 | <5 |
| 319T | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 320S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 15 | <5 |
| 321S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 18 | <5 |
| 322S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 323S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 20 | <5 |
| 324S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 26 | 5 |
| 325S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 13 | <5 |
| 326S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 327S | <10 | 14 | <200 | 0 | <10 | 2 | <20 | <10 | 37 | 6 |
| 328S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 329S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 330S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 13 | <5 |
| 331S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 16 | <5 |
| 332S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 23 | <5 |
| 333S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 334S | 10 | <20 | <5 | 15 | 16 | 5 | <5 | 3 | 5 | <200 | 113 | 21 | 34 | 1000 | 85 |
| 335S | 4 | <20 | 20 | 19 | 12 | 9 | <5 | <2 | 6 | 240 | 122 | 30 | 30 | 870 | 72 |
| 336S | <2 | <20 | 9 | 5 | 7 | 2 | <5 | <2 | 3 | <200 | 69 | 17 | 16 | 640 | 52 |
| 337S | <2 | <20 | 6 | 10 | 9 | 2 | <5 | 4 | 7 | <200 | 146 | 27 | 34 | 1200 | 86 |
| 338S | <2 | <20 | 5 | 4 | 18 | 1 | <5 | 3 | 4 | <200 | 98 | 22 | 8 | 490 | 138 |
| 339S | <2 | <20 | <5 | 5 | 10 | 1 | <5 | 2 | 3 | <200 | 73 | 19 | 10 | 870 | 66 |
| 340S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 5 | <200 | 126 | 18 | 15 | 840 | 143 |
| 341S | <2 | <20 | <5 | 9 | 13 | 1 | <5 | 4 | 6 | <200 | 87 | 27 | 16 | 560 | 91 |
| 342T | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 103 | 17 | 27 | 580 | 63 |
| 343T | 5 | <20 | 8 | 27 | 14 | 3 | <5 | 8 | 10 | 210 | 186 | 77 | 140 | 940 | 44 |
| 344T | <2 | <20 | <5 | 12 | <5 | 1 | <5 | <2 | 4 | <200 | 81 | 42 | 87 | 1000 | 59 |
| 345T | <2 | <20 | 11 | 14 | 7 | 3 | <5 | 4 | 6 | <200 | 122 | 27 | 41 | 1100 | 58 |
| 346T | 12 | <20 | 19 | 20 | 14 | 4 | <5 | 6 | 8 | <200 | 120 | 30 | 36 | 1100 | 41 |
| 347S | <2 | <20 | 6 | 8 | 7 | 1 | <5 | <2 | 3 | <200 | 110 | 20 | 17 | 950 | 94 |
| 348T | 2 | <20 | 8 | 10 | 7 | 1 | <5 | <2 | 5 | <200 | 119 | 19 | 18 | 1200 | 47 |
| 349S | <2 | <20 | 8 | 16 | 12 | 2 | <5 | <2 | 7 | <200 | 114 | 29 | 39 | 1200 | 86 |
| 350S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 80 | 24 | 30 | 1100 | 102 |
| 351S | 2 | <20 | <5 | 5 | <5 | 2 | <5 | <2 | 4 | <200 | 74 | 10 | 10 | 700 | 109 |
| 352S | <2 | <20 | <5 | 5 | 8 | 2 | <5 | <2 | 4 | <200 | 94 | 13 | 15 | 750 | 144 |
| 353S | <2 | <20 | <5 | 8 | 6 | 2 | <5 | <2 | 7 | <200 | 120 | 31 | 28 | 940 | 171 |
| 354S | 2 | <20 | <5 | 7 | 7 | 2 | <5 | 3 | 7 | <200 | 93 | 11 | 18 | 850 | 108 |
| 355S | <2 | <20 | <5 | 5 | 7 | 1 | <5 | <2 | 5 | <200 | 107 | 30 | 48 | 2100 | 79 |
| 356S | <2 | <20 | <5 | 7 | 13 | 2 | <5 | 4 | 7 | <200 | 132 | 20 | 30 | 930 | 196 |
| 357S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 55 | 10 | 7 | 860 | 99 |
| 358S | <2 | <20 | <5 | 9 | 14 | 2 | <5 | 4 | 8 | <200 | 92 | 24 | 25 | 970 | 215 |
| 359S | <2 | <20 | <5 | 20 | 12 | 1 | <5 | 6 | 11 | <200 | 137 | 72 | 30 | 820 | 51 |
| 360S | 3 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 5 | <200 | 97 | 16 | 17 | 650 | 34 |
| 381S | 3 | <20 | 6 | 10 | 10 | 1 | <5 | <2 | 5 | <200 | 102 | 20 | 21 | 1100 | 81 |
| 362S | <2 | <20 | 11 | 10 | 7 | 1 | <5 | <2 | 4 | <200 | 90 | 14 | 31 | 1100 | 41 |
| 363S | <2 | <20 | <5 | 9 | 7 | 1 | <5 | <2 | 8 | <200 | 89 | 41 | 35 | 890 | 47 |
| 364S | <2 | <20 | <5 | 7 | 10 | 1 | <5 | <2 | 6 | <200 | 128 | 22 | 28 | 1200 | 182 |
| 365S | 3 | <20 | <5 | 9 | 11 | 2 | <5 | <2 | 5 | 210 | 96 | 17 | 14 | 850 | 202 |
| 366S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 3 | <200 | 109 | 14 | 29 | 580 | 46 |
| 367S | 3 | <20 | <5 | 14 | 10 | 3 | <5 | 3 | 7 | <200 | 146 | 32 | 48 | 900 | 53 |
| 368S | 3 | <20 | <5 | 9 | 7 | 2 | <5 | <2 | 5 | <200 | 113 | 25 | 41 | 1100 | 62 |
| 369S | <2 | <20 | <5 | 7 | 5 | 1 | <5 | <2 | 5 | <200 | 93 | 17 | 30 | 1000 | 45 |
| 370S | 3 | <20 | <5 | 11 | 8 | 2 | <5 | <2 | 5 | <200 | 94 | 20 | 19 | 800 | 110 |
| 371S | <2 | <20 | <5 | 5 | 9 | 1 | <5 | <2 | 4 | <200 | 101 | 15 | 26 | 610 | 67 |
| 372S | <2 | <20 | <5 | 6 | 6 | 1 | <5 | <2 | 4 | <200 | 105 | 20 | 21 | 800 | 84 |
| 373S | <2 | <20 | <5 | 8 | 12 | 1 | <5 | 2 | 6 | <200 | 120 | 22 | 26 | 1200 | 96 |
| 374S | <2 | <20 | <5 | 8 | 8 | 1 | <5 | 5 | 7 | <200 | 123 | 16 | 17 | 1400 | 293 |
| 375S | 3 | <20 | <5 | 6 | 6 | 1 | <5 | <2 | 6 | <200 | 110 | 24 | 21 | 1100 | 105 |
| 376S | 3 | <20 | <5 | 13 | 7 | 2 | <5 | 2 | 6 | <200 | 99 | 13 | 17 | 900 | 151 |
| 377S | 6 | <20 | <5 | 23 | 13 | 33 | 24 | 5 | 9 | <200 | 75 | 14 | 14 | 600 | 80 |
| 378S | <2 | <20 | <5 | 8 | <5 | 3 | <5 | 3 | 6 | <200 | 85 | 17 | 20 | 650 | 88 |
| 379S | <2 | <20 | <5 | 8 | <5 | 3 | <5 | 4 | 7 | <200 | 130 | 20 | 25 | 870 | 161 |
| 380S | <2 | <20 | <5 | 8 | <5 | 2 | <5 | 3 | 6 | 250 | 150 | 20 | 23 | 820 | 168 |
| 381S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | 3 | 2 | <200 | 70 | 28 | 11 | 450 | 36 |
| 382S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | 2 | 2 | <200 | 42 | 28 | 9 | 490 | 33 |
| 383S | 3 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 3 | <200 | 79 | 16 | 20 | 1200 | 41 |
| 384S | 22 | <20 | 15 | 28 | 23 | 4 | <5 | 4 | 8 | <200 | 119 | 28 | 40 | 1300 | 64 |
| 385S | 2 | <20 | <5 | 7 | 7 | 1 | <5 | <2 | 4 | <200 | 89 | 23 | 20 | 1200 | 100 |
| 386S | 3 | <20 | 5 | 8 | <5 | 2 | <5 | 6 | 8 | <200 | 98 | 11 | 26 | 860 | 150 |
| 387S | 12 | <20 | <5 | 11 | 9 | 2 | <5 | 4 | 8 | <200 | 122 | 22 | 25 | 840 | 119 |
| 388S | 15 | <20 | 5 | 11 | <5 | 2 | <5 | 3 | 7 | <200 | 102 | 16 | 19 | 1200 | 143 |
| 389S | 3 | <20 | <5 | 10 | 6 | 2 | <5 | 3 | 5 | <200 | 103 | 19 | 28 | 1100 | 50 |
| 390S | 3 | <20 | <5 | 5 | <5 | 1 | <5 | 3 | 5 | <200 | 72 | 20 | 11 | 1000 | 120 |
| 391S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | 3 | 5 | <200 | 80 | 16 | 12 | 1000 | 208 |
| 392S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 104 | 27 | 21 | 610 | 28 |
| 393S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 3 | <200 | 74 | 28 | 14 | 680 | 56 |
| 394S | <2 | <20 | <5 | 8 | 6 | 2 | <5 | <2 | 8 | <200 | 145 | 23 | 26 | 1100 | 143 |
| 395S | <2 | <20 | <5 | 12 | 6 | 2 | <5 | 3 | 6 | <200 | 125 | 24 | 31 | 960 | 251 |
| 396S | 13 | <20 | 22 | 26 | 16 | 15 | 12 | 7 | 10 | <200 | 113 | 31 | 26 | 1400 | 158 |
| 397S | 3 | <20 | <5 | 8 | 7 | 2 | <5 | 2 | 4 | <200 | 85 | 22 | 23 | 990 | 56 |

## Albert River

### Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 334S | <5 | 0.2 | 506 | 81 | 36 | 25 | 23 | 82 | 15 | <5 | 6 | <10 | <0.2 | <2 | 39 |
| 335S | <5 | 0.3 | 669 | 81 | 34 | 20 | 19 | 79 | 14 | <5 | 9 | <10 | <0.2 | <2 | 27 |
| 336S | <5 | <0.2 | 808 | 44 | 29 | 17 | 19 | 74 | 14 | <5 | 4 | <10 | <0.2 | <2 | 28 |
| 337S | <5 | <0.2 | 806 | <20 | 34 | 23 | 21 | 67 | 14 | <5 | 4 | <10 | 0.5 | <2 | 30 |
| 338S | <5 | 0.3 | 84 | <20 | 19 | <10 | 9 | <50 | 20 | <5 | 4 | <10 | <0.2 | 10 | 102 |
| 339S | <5 | <0.2 | 178 | 37 | 21 | <10 | 10 | 68 | 13 | <5 | 3 | <10 | <0.2 | 3 | 40 |
| 340S | <5 | <0.2 | 945 | 43 | 23 | 15 | 15 | 70 | 16 | <5 | 2 | <10 | <0.2 | <2 | 34 |
| 341S | <5 | <0.2 | 242 | 56 | 28 | 16 | 15 | 57 | 18 | <5 | 4 | <10 | <0.2 | 5 | 61 |
| 342T | <5 | <0.2 | 319 | 75 | 39 | 20 | 19 | 95 | 25 | <5 | 3 | <10 | <0.2 | 6 | 153 |
| 343T | <5 | 0.5 | 325 | 100 | 76 | 58 | 56 | 88 | 11 | 7 | 5 | <10 | 0.4 | <2 | 26 |
| 344T | <5 | 0.3 | 576 | 71 | 48 | 42 | 42 | <50 | 9 | 6 | 8 | 11 | <0.2 | <2 | 18 |
| 345T | <5 | 0.3 | 572 | 27 | 40 | 20 | 24 | 67 | 11 | <5 | 7 | <10 | <0.2 | <2 | 30 |
| 346T | <5 | 0.3 | 415 | 46 | 38 | 21 | 21 | 68 | 14 | <5 | 6 | <10 | 0.3 | <2 | 35 |
| 347S | <5 | <0.2 | 527 | <20 | 24 | 17 | 13 | 64 | 13 | <5 | 11 | <10 | <0.2 | <2 | 35 |
| 348T | <5 | 0.3 | 164 | 39 | 25 | <10 | 11 | 95 | 13 | 5 | 5 | <10 | <0.2 | 2 | 30 |
| 349S | <5 | <0.2 | 585 | 48 | 38 | 26 | 24 | 97 | 14 | <5 | 4 | <10 | 0.2 | <2 | 34 |
| 350S | <5 | <0.2 | 154 | <20 | 34 | 33 | 26 | 79 | 16 | 6 | 3 | <10 | <0.2 | 4 | 45 |
| 351S | <5 | <0.2 | 117 | 37 | 21 | 13 | 11 | 91 | 19 | <5 | 1 | <10 | <0.2 | 6 | 43 |
| 352S | <5 | <0.2 | 140 | 33 | 22 | 14 | 11 | 61 | 16 | <5 | 3 | <10 | <0.2 | 6 | 41 |
| 353S | <5 | <0.2 | 974 | <20 | 24 | 23 | 21 | 61 | 16 | <5 | 2 | <10 | <0.2 | <2 | 35 |
| 354S | <5 | <0.2 | 175 | 36 | 27 | 11 | 10 | 69 | 18 | <5 | 2 | <10 | <0.2 | 4 | 24 |
| 355S | <5 | <0.2 | 403 | 42 | 44 | 26 | 23 | 83 | 21 | <5 | 6 | <10 | <0.2 | 2 | 44 |
| 356S | <5 | <0.2 | 115 | 31 | 31 | 23 | 21 | 61 | 19 | <5 | 1 | <10 | <0.2 | 5 | 44 |
| 357S | <5 | <0.2 | 70 | <20 | 15 | <10 | 7 | 63 | 13 | <5 | 2 | <10 | <0.2 | 5 | 22 |
| 358S | <5 | <0.2 | 171 | 32 | 34 | 24 | 23 | 82 | 22 | <5 | 2 | <10 | <0.2 | 5 | 59 |
| 359S | <5 | <0.2 | 884 | 57 | 46 | 32 | 32 | <50 | 6 | 5 | 11 | <10 | 0.5 | <2 | 8 |
| 360S | <5 | <0.2 | 186 | 47 | 31 | 16 | 16 | 92 | 27 | <5 | 1 | <10 | <0.2 | 5 | 51 |
| 361S | <5 | <0.2 | 850 | 33 | 30 | 25 | 22 | 75 | 16 | <5 | 4 | <10 | <0.2 | <2 | 36 |
| 362S | <5 | <0.2 | 309 | <20 | 33 | 19 | 18 | 95 | 18 | <5 | 7 | <10 | <0.2 | <2 | 43 |
| 363S | <5 | <0.2 | 798 | 49 | 38 | 31 | 28 | 64 | 17 | <5 | 6 | <10 | <0.2 | <2 | 42 |
| 364S | <5 | <0.2 | 456 | 35 | 33 | 20 | 18 | 64 | 16 | <5 | 9 | <10 | 0.2 | 2 | 49 |
| 365S | <5 | <0.2 | 211 | <20 | 23 | 16 | 14 | 59 | 16 | <5 | 1 | <10 | <0.2 | 4 | 41 |
| 366S | <5 | <0.2 | 736 | <20 | 20 | 22 | 18 | 57 | 7 | <5 | 4 | <10 | 0.6 | <2 | 22 |
| 367S | <5 | <0.2 | 486 | 32 | 41 | 26 | 26 | 69 | 12 | 5 | 5 | <10 | <0.2 | <2 | 24 |
| 368S | <5 | <0.2 | 881 | 60 | 40 | 25 | 24 | 66 | 15 | <5 | 8 | <10 | 0.2 | <2 | 41 |
| 369S | <5 | <0.2 | 490 | 71 | 34 | 22 | 20 | 77 | 18 | <5 | 7 | <10 | <0.2 | <2 | 53 |
| 370S | <5 | <0.2 | 221 | 39 | 31 | 17 | 16 | 82 | 17 | <5 | 7 | <10 | <0.2 | 5 | 45 |
| 371S | <5 | <0.2 | 828 | 25 | 33 | 22 | 20 | 56 | 18 | <5 | 3 | <10 | <0.2 | <2 | 77 |
| 372S | <5 | <0.2 | 919 | <20 | 29 | 25 | 21 | 63 | 16 | <5 | 5 | <10 | <0.2 | <2 | 54 |
| 373S | <5 | <0.2 | 600 | 38 | 37 | 20 | 19 | 85 | 16 | <5 | 6 | <10 | <0.2 | <2 | 41 |
| 374S | <5 | <0.2 | 176 | 26 | 31 | 16 | 14 | 100 | 19 | <5 | 2 | <10 | <0.2 | 4 | 50 |
| 375S | <5 | <0.2 | 848 | 44 | 29 | 21 | 20 | 80 | 17 | <5 | 4 | <10 | <0.2 | <2 | 44 |
| 376S | <5 | <0.2 | 219 | 63 | 27 | 13 | 13 | 85 | 19 | <5 | 3 | <10 | <0.2 | 5 | 40 |
| 377S | <5 | <0.2 | 69 | <20 | 18 | <10 | 9 | 56 | 8 | <5 | 4 | <10 | <0.2 | 4 | 11 |
| 378S | <5 | <0.2 | 119 | 37 | 21 | 11 | 13 | 61 | 14 | <5 | 3 | <10 | <0.2 | 7 | 32 |
| 379S | <5 | <0.2 | 699 | 30 | 27 | 17 | 16 | 62 | 15 | <5 | 3 | <10 | <0.2 | <2 | 37 |
| 380S | <5 | <0.2 | 888 | 32 | 26 | 19 | 17 | 71 | 15 | <5 | 3 | <10 | <0.2 | <2 | 39 |
| 381S | <5 | <0.2 | 604 | <20 | 15 | <10 | 7 | 59 | 5 | <5 | 9 | <10 | <0.2 | <2 | 6 |
| 382S | 6 | <0.2 | 1462 | 31 | 18 | <10 | 6 | <50 | 4 | <5 | 9 | <10 | <0.2 | <2 | 5 |
| 383S | <5 | <0.2 | 469 | 36 | 22 | 11 | 11 | 54 | 9 | <5 | 6 | <10 | <0.2 | <2 | 25 |
| 384S | <5 | <0.2 | 326 | 40 | 34 | 23 | 20 | 75 | 9 | <5 | 3 | <10 | <0.2 | <2 | 20 |
| 385S | <5 | <0.2 | 394 | 27 | 26 | 17 | 15 | 70 | 11 | <5 | 5 | <10 | <0.2 | <2 | 36 |
| 386S | <5 | <0.2 | 86 | 30 | 20 | 16 | 14 | 69 | 11 | <5 | 1 | <10 | <0.2 | 6 | 16 |
| 387S | <5 | 0.2 | 107 | <20 | 27 | 14 | 15 | 60 | 15 | <5 | 6 | <10 | <0.2 | 6 | 31 |
| 388S | <5 | 0.3 | 122 | 28 | 24 | 13 | 12 | 79 | 14 | <5 | 1 | <10 | <0.2 | 3 | 29 |
| 389S | <5 | <0.2 | 355 | <20 | 32 | 17 | 16 | 76 | 12 | <5 | 11 | <10 | <0.2 | <2 | 33 |
| 390S | <5 | <0.2 | 252 | 25 | 15 | 12 | 11 | 66 | 9 | <5 | 0 | <10 | 0.2 | <2 | 14 |
| 391S | <5 | <0.2 | 898 | 35 | 21 | 14 | 11 | 72 | 14 | <5 | 3 | <10 | <0.2 | <2 | 35 |
| 392S | <5 | <0.2 | 519 | 63 | 36 | 34 | 28 | 90 | 30 | <5 | 2 | <10 | <0.2 | 2 | 61 |
| 393S | <5 | <0.2 | 200 | <20 | 23 | 20 | 15 | 88 | 21 | <5 | 2 | <10 | <0.2 | 5 | 37 |
| 394S | <5 | <0.2 | 686 | <20 | 34 | 20 | 19 | 74 | 16 | <5 | 6 | <10 | <0.2 | <2 | 39 |
| 395S | <5 | <0.2 | 1554 | 59 | 31 | 23 | 22 | 66 | 15 | <5 | 6 | <10 | <0.2 | <2 | 30 |
| 396S | <5 | <0.2 | 365 | 32 | 36 | 22 | 18 | 51 | 10 | <5 | 3 | <10 | 0.3 | <2 | 19 |
| 397S | <5 | <0.2 | 369 | 41 | 29 | 19 | 17 | 73 | 11 | <5 | 5 | <10 | <0.2 | <2 | 25 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 334S | <20 | 16 | 4 | 13 | 4 | <500 | 4 | 22 | 0.5 | 5.0 | 3.8 | 1.9 | 1.6 | 0.2 |
| 335S | <20 | 17 | 3 | 10 | 4 | <500 | 5 | 29 | 0.8 | 5.4 | 3.5 | 1.6 | 1.2 | 0.1 |
| 336S | <20 | 19 | 3 | 7 | 5 | <500 | 3 | 23 | 0.8 | 4.0 | 3.3 | 1.8 | 1.4 | 0.1 |
| 337S | <20 | 16 | 4 | 13 | 5 | <500 | 4 | 16 | 0.4 | 4.2 | 3.3 | 2.0 | 1.7 | 0.1 |
| 338S | <20 | 7 | 3 | 36 | 5 | <500 | 3 | 16 | 0.1 | 3.3 | 3.1 | 2.1 | 3.0 | 0.1 |
| 339S | <20 | 12 | 3 | 17 | 6 | 540 | 1 | 41 | 0.5 | 3.3 | 2.6 | 1.7 | 1.9 | 0.0 |
| 340S | <20 | 10 | 3 | 21 | 4 | <500 | 0 | 5 | 0.1 | 4.3 | 3.7 | 1.3 | 2.0 | 0.1 |
| 341S | <20 | 10 | 4 | 31 | 4 | <500 | 6 | 22 | 0.6 | 4.0 | 3.0 | 2.2 | 2.8 | 0.1 |
| 342T | <20 | 8 | 2 | 18 | 2 | <500 | 8 | 17 | 0.4 | 4.6 | 3.8 | 3.5 | 3.5 | 0.3 |
| 343T | <20 | 17 | 6 | 6 | 3 | <500 | 5 | 22 | 0.3 | 7.5 | 6.0 | 1.3 | 1.0 | 0.1 |
| 344T | <20 | 17 | 3 | 4 | 3 | <500 | 3 | 32 | 1.3 | 5.0 | 4.0 | 0.8 | 1.0 | 0.1 |
| 345T | <20 | 13 | 4 | 8 | 4 | <500 | 2 | 26 | 0.8 | 4.6 | 3.8 | 1.6 | 1.3 | 0.1 |
| 346T | <20 | 19 | 5 | 9 | 4 | <500 | 3 | 26 | 0.7 | 4.3 | 3.7 | 1.9 | 1.4 | 0.1 |
| 347S | <20 | 14 | 3 | 12 | 5 | <500 | 3 | 24 | 0.7 | 4.4 | 3.3 | 1.6 | 2.3 | 0.1 |
| 348T | <20 | 18 | 4 | 11 | 4 | <500 | 2 | 12 | 0.2 | 3.8 | 3.1 | 1.6 | 1.5 | 0.1 |
| 349S | <20 | 16 | 4 | 13 | 5 | <500 | 3 | 18 | 0.5 | 5.0 | 4.1 | 1.8 | 2.0 | 0.1 |
| 350S | <20 | 14 | 2 | 12 | 4 | <500 | 9 | 5 | 0.1 | 6.0 | 4.2 | 2.0 | 2.8 | 0.1 |
| 351S | <20 | 13 | 3 | 20 | 7 | <500 | 2 | 4 | 0.1 | 4.4 | 3.2 | 1.9 | 2.6 | 0.1 |
| 352S | <20 | 13 | 3 | 28 | 6 | <500 | 1 | 20 | 0.6 | 4.1 | 3.0 | 1.7 | 2.3 | 0.1 |
| 353S | <20 | 12 | 4 | 25 | 4 | <500 | 0 | 4 | 0.0 | 4.8 | 3.7 | 1.5 | 2.0 | 0.1 |
| 354S | <20 | 11 | 4 | 26 | 6 | <500 | 1 | 3 | 0.0 | 3.2 | 2.5 | 1.3 | 1.5 | 0.1 |
| 355S | <20 | 14 | 3 | 13 | 4 | <500 | 5 | 13 | 0.4 | 4.6 | 4.2 | 2.6 | 2.5 | 0.1 |
| 356S | <20 | 13 | 4 | 36 | 4 | <500 | 3 | 12 | 0.3 | 4.3 | 3.4 | 1.9 | 2.7 | 0.1 |
| 357S | <20 | 10 | 4 | 20 | 6 | <500 | 1 | 3 | 0.0 | 3.0 | 2.2 | 1.1 | 1.5 | 0.1 |
| 358S | <20 | 14 | 6 | 26 | 5 | <500 | 9 | 21 | 0.2 | 4.2 | 3.5 | 2.3 | 3.4 | 0.1 |
| 359S | <20 | 9 | 4 | 7 | 5 | <500 | 1 | 55 | 0.5 | 4.5 | 4.5 | 0.4 | 0.6 | 0.0 |
| 360S | <20 | 13 | 3 | 18 | 6 | <500 | 2 | 5 | 0.0 | 4.6 | 4.4 | 1.7 | 2.4 | 0.0 |
| 361S | <20 | 17 | 3 | 10 | 5 | <500 | 2 | 13 | 0.4 | 4.3 | 3.4 | 2.0 | 2.0 | 0.1 |
| 362S | <20 | 17 | 3 | 7 | 4 | <500 | 3 | 12 | 0.3 | 4.6 | 3.5 | 2.4 | 2.0 | 0.1 |
| 363S | <20 | 15 | 3 | 6 | 3 | <500 | 3 | 20 | 0.7 | 6.0 | 5.1 | 2.2 | 1.9 | 0.1 |
| 364S | <20 | 16 | 5 | 22 | 5 | <500 | 3 | 21 | 0.4 | 4.2 | 3.3 | 2.1 | 2.3 | 0.1 |
| 365S | <20 | 13 | 4 | 19 | 6 | <500 | 2 | 7 | 0.1 | 3.8 | 3.1 | 1.4 | 2.1 | 0.1 |
| 366S | <20 | 8 | 2 | 5 | <2 | <500 | 2 | 73 | 3.8 | 2.8 | 1.7 | 1.3 | 0.8 | 0.1 |
| 367S | <20 | 18 | 4 | 6 | 6 | <500 | 4 | 20 | 0.9 | 4.7 | 3.9 | 1.4 | 1.2 | 0.1 |
| 368S | <20 | 15 | 5 | 9 | 4 | <500 | 2 | 14 | 0.4 | 4.9 | 3.8 | 2.0 | 1.8 | 0.1 |
| 369S | <20 | 15 | 5 | 9 | 3 | <500 | 3 | 12 | 0.4 | 4.5 | 3.6 | 2.4 | 2.1 | 0.1 |
| 370S | <20 | 13 | 6 | 15 | 4 | <500 | 4 | 25 | 0.5 | 4.2 | 3.5 | 1.8 | 2.7 | 0.1 |
| 371S | <20 | 9 | 3 | 14 | 3 | <500 | 4 | 18 | 0.6 | 4.1 | 3.5 | 2.7 | 2.4 | 0.2 |
| 372S | <20 | 14 | 4 | 11 | 2 | <500 | 3 | 18 | 0.6 | 4.6 | 3.4 | 2.2 | 2.5 | 0.1 |
| 373S | <20 | 16 | 5 | 18 | 4 | <500 | 5 | 16 | 0.5 | 4.3 | 3.2 | 2.2 | 1.9 | 0.2 |
| 374S | <20 | 13 | 4 | 24 | 5 | <500 | 1 | 7 | 0.2 | 4.4 | 3.7 | 2.1 | 2.4 | 0.2 |
| 375S | <20 | 17 | 6 | 17 | 5 | <500 | 1 | 12 | 0.3 | 4.5 | 3.7 | 2.2 | 2.4 | 0.2 |
| 376S | <20 | 15 | 4 | 17 | 6 | <500 | 1 | 5 | 0.0 | 4.5 | 3.7 | 1.8 | 2.1 | 0.1 |
| 377S | <20 | 16 | 5 | 20 | 8 | <500 | 1 | 11 | 0.0 | 2.7 | 2.2 | 0.3 | 1.1 | 0.1 |
| 378S | <20 | 13 | 4 | 22 | 6 | <500 | 2 | 4 | 0.0 | 3.7 | 3.1 | 1.2 | 2.2 | 0.1 |
| 379S | <20 | 14 | 4 | 21 | 5 | <500 | 1 | 4 | 0.1 | 4.4 | 3.5 | 1.7 | 2.0 | 0.1 |
| 380S | <20 | 15 | 4 | 22 | 5 | <500 | 0 | 4 | 0.1 | 4.4 | 3.5 | 1.6 | 2.1 | 0.1 |
| 381S | <20 | 16 | 4 | 6 | 9 | <500 | 2 | 39 | 0.6 | 2.0 | 1.9 | 0.2 | 0.8 | 0.0 |
| 382S | <20 | 13 | 4 | 7 | 7 | <500 | 1 | 29 | 0.4 | 1.5 | 1.7 | 0.1 | 0.6 | 0.0 |
| 383S | <20 | 14 | 3 | 8 | 5 | <500 | 2 | 99 | 4.4 | 3.1 | 2.2 | 2.0 | 1.2 | 0.1 |
| 384S | <20 | 16 | 5 | 8 | 5 | <500 | 6 | 115 | 3.8 | 3.9 | 2.9 | 2.0 | 0.9 | 0.1 |
| 385S | <20 | 14 | 4 | 10 | 6 | <500 | 4 | 59 | 0.9 | 3.6 | 2.6 | 2.0 | 1.6 | 0.2 |
| 386S | <20 | 13 | 4 | 29 | 5 | <500 | 1 | 4 | 0.1 | 3.3 | 2.5 | 0.8 | 1.4 | 0.1 |
| 387S | <20 | 11 | 4 | 27 | 5 | <500 | 7 | 4 | 0.1 | 4.1 | 3.6 | 1.3 | 2.5 | 0.1 |
| 388S | <20 | 11 | 4 | 22 | 5 | <500 | 2 | 3 | 0.0 | 3.8 | 3.2 | 1.3 | 1.7 | 0.1 |
| 389S | <20 | 14 | 4 | 10 | 4 | <500 | 4 | 118 | 2.4 | 3.9 | 2.8 | 2.1 | 1.5 | 0.1 |
| 390S | <20 | 11 | 5 | 13 | 7 | <500 | 1 | 30 | 0.2 | 3.0 | 2.3 | 0.5 | 1.1 | 0.0 |
| 391S | <20 | 10 | 4 | 18 | 5 | <500 | 1 | 30 | 0.4 | 3.4 | 2.3 | 1.4 | 1.7 | 0.1 |
| 392S | <20 | 14 | 2 | 14 | 4 | <500 | 0 | 7 | 0.1 | 5.2 | 4.5 | 1.8 | 2.5 | 0.0 |
| 393S | <20 | 11 | 3 | 21 | 5 | <500 | 0 | 8 | 0.1 | 4.3 | 3.2 | 1.3 | 1.9 | 0.0 |
| 394S | <20 | 16 | 4 | 20 | 5 | <500 | 1 | 6 | 0.1 | 4.6 | 3.6 | 2.0 | 2.2 | 0.1 |
| 395S | <20 | 15 | 4 | 16 | 4 | <500 | 2 | 22 | 0.4 | 4.8 | 4.0 | 1.2 | 1.6 | 0.1 |
| 396S | <20 | 15 | 6 | 20 | 5 | <500 | 2 | 13 | 0.2 | 4.2 | 3.6 | 0.7 | 1.2 | 0.1 |
| 397S | <20 | 16 | 4 | 9 | 5 | <500 | 4 | 59 | 1.3 | 4.2 | 2.6 | 1.7 | 1.3 | 0.1 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 334S | 0.7 | <0.01 | <0.01 | 78 | 6 | <2 | <100 | 45 | 23 | <0.5 | 0 | 150 | 15 | <5 |
| 335S | 0.9 | <0.01 | <0.01 | 92 | 8 | <2 | <100 | 61 | 23 | <0.5 | 0 | 170 | 15 | <5 |
| 336S | 1.3 | <0.01 | <0.01 | 120 | 4 | <2 | <100 | 52 | 26 | <0.5 | 0 | 110 | 12 | <5 |
| 337S | 1.0 | <0.01 | <0.01 | 96 | 4 | 2 | <100 | 52 | 18 | <0.5 | 0 | 140 | 13 | <5 |
| 338S | 1.1 | <0.01 | 0.05 | 36 | 5 | <2 | <100 | 18 | 7 | <0.5 | 1 | 73 | 6 | <5 |
| 339S | 0.5 | <0.01 | <0.01 | 73 | 4 | <2 | <100 | 35 | 12 | <0.5 | 0 | 130 | 8 | <5 |
| 340S | 1.0 | <0.01 | <0.01 | 72 | 5 | <2 | <100 | 39 | 13 | <0.5 | 1 | 120 | 11 | <5 |
| 341S | 1.1 | 0.01 | <0.01 | 62 | 5 | <2 | <100 | 35 | 8 | <0.5 | 1 | 100 | 11 | <5 |
| 342T | 0.7 | <0.01 | 0.01 | 42 | 11 | <2 | <100 | 26 | 10 | <0.5 | 0 | 150 | 15 | 5 |
| 343T | 0.5 | <0.01 | <0.01 | 94 | 8 | <2 | <100 | 47 | 14 | <0.5 | 0 | 200 | 15 | <5 |
| 344T | 0.8 | <0.01 | <0.01 | 66 | 10 | <2 | <100 | 37 | 17 | <0.5 | 0 | 180 | 16 | <5 |
| 345T | 0.4 | <0.01 | <0.01 | 68 | 6 | <2 | <100 | 37 | 19 | <0.5 | 0 | 200 | 15 | <5 |
| 346T | 0.6 | <0.01 | <0.01 | 85 | 8 | <2 | <100 | 49 | 22 | <0.5 | 0 | 170 | 12 | <5 |
| 347S | 1.0 | <0.01 | 0.02 | 93 | 7 | <2 | <100 | 49 | 16 | <0.5 | 0 | 140 | 14 | <5 |
| 348T | 0.7 | <0.01 | <0.01 | 95 | 6 | 3 | <100 | 54 | 26 | <0.5 | 0 | 200 | 14 | <5 |
| 349S | 0.8 | <0.01 | <0.01 | 97 | 5 | <2 | <100 | 56 | 26 | 0.6 | 0 | 160 | 16 | <5 |
| 350S | 0.6 | <0.01 | <0.01 | 85 | 6 | <2 | <100 | 35 | 14 | <0.5 | -1 | 210 | 17 | <5 |
| 351S | 1.2 | <0.01 | <0.01 | 97 | 5 | <2 | <100 | 54 | 20 | <0.5 | 0 | 160 | 13 | <5 |
| 352S | 1.3 | <0.01 | <0.01 | 95 | 4 | <2 | <100 | 53 | 20 | <0.5 | 0 | 110 | 11 | <5 |
| 353S | 0.9 | <0.01 | <0.01 | 70 | 6 | <2 | <100 | 42 | 15 | <0.5 | 0 | 170 | 13 | <5 |
| 354S | 1.0 | <0.01 | <0.01 | 76 | 4 | <2 | <100 | 46 | 22 | <0.5 | 0 | 150 | 10 | <5 |
| 355S | 0.6 | <0.01 | <0.01 | 58 | 4 | <2 | <100 | 36 | 12 | <0.5 | 0 | 160 | 14 | <5 |
| 356S | 0.7 | <0.01 | <0.01 | 73 | 6 | <2 | <100 | 42 | 17 | <0.5 | 0 | 130 | 11 | <5 |
| 357S | 1.1 | <0.01 | <0.01 | 78 | 5 | <2 | <100 | 47 | 22 | <0.5 | 0 | 140 | 9 | <5 |
| 358S | 0.8 | <0.01 | <0.01 | 120 | 5 | <2 | <100 | 49 | 20 | <0.5 | 1 | 110 | 11 | <5 |
| 359S | 1.1 | <0.01 | <0.01 | 66 | 4 | <2 | <100 | 39 | 13 | <0.5 | 0 | 84 | 12 | <5 |
| 380S | 1.0 | <0.01 | <0.01 | 45 | 6 | <2 | <100 | 32 | 7 | <0.5 | 1 | 150 | 14 | <5 |
| 361S | 0.7 | <0.01 | <0.01 | 94 | 5 | <2 | <100 | 50 | 15 | <0.5 | 0 | 170 | 15 | <5 |
| 362S | 0.6 | <0.01 | <0.01 | 81 | 6 | <2 | <100 | 51 | 17 | <0.5 | 0 | 170 | 16 | <5 |
| 363S | 0.8 | <0.01 | <0.01 | 81 | 6 | <2 | <100 | 48 | 16 | 0.5 | 0 | 170 | 16 | <5 |
| 364S | 1.2 | <0.01 | 0.01 | 97 | 5 | <2 | <100 | 51 | 20 | <0.5 | 0 | 150 | 13 | <5 |
| 365S | 1.3 | <0.01 | <0.01 | 87 | 6 | <2 | <100 | 54 | 25 | <0.5 | 0 | 120 | 9 | <5 |
| 366S | 0.4 | <0.01 | <0.01 | 57 | 5 | <2 | <100 | 29 | 9 | <0.5 | 0 | 99 | 11 | <5 |
| 367S | 0.8 | <0.01 | <0.01 | 100 | 7 | <2 | <100 | 55 | 18 | <0.5 | 0 | 140 | 14 | <5 |
| 368S | 1.0 | <0.01 | <0.01 | 97 | 7 | <2 | <100 | 53 | 24 | <0.5 | 0 | 160 | 16 | <5 |
| 369S | 0.6 | <0.01 | <0.01 | 76 | 7 | <2 | <100 | 46 | 15 | <0.5 | 0 | 180 | 16 | <5 |
| 370S | 0.7 | <0.01 | <0.01 | 88 | 12 | <2 | <100 | 45 | 16 | <0.5 | 0 | 160 | 14 | <5 |
| 371S | 0.6 | <0.01 | <0.01 | 55 | 7 | <2 | <100 | 32 | 13 | <0.5 | 0 | 160 | 14 | <5 |
| 372S | 0.8 | <0.01 | 0.01 | 91 | 7 | 3 | <100 | 47 | 19 | <0.5 | 0 | 160 | 15 | <5 |
| 373S | 0.8 | <0.01 | <0.01 | 81 | 6 | 2 | <100 | 43 | 17 | <0.5 | 0 | 170 | 13 | <5 |
| 374S | 0.9 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 38 | 16 | <0.5 | 0 | 150 | 11 | <5 |
| 375S | 1.1 | <0.01 | <0.01 | 100 | 7 | <2 | <100 | 52 | 23 | <0.5 | 0 | 140 | 12 | <5 |
| 376S | 1.0 | <0.01 | <0.01 | 100 | 5 | <2 | <100 | 55 | 27 | <0.5 | 0 | 170 | 12 | <5 |
| 377S | 0.9 | <0.01 | <0.01 | 110 | 6 | <2 | <100 | 66 | 25 | <0.5 | 0 | 140 | 10 | <5 |
| 378S | 1.2 | <0.01 | <0.01 | 86 | 5 | <2 | <100 | 51 | 13 | <0.5 | 1 | 100 | 10 | <5 |
| 379S | 1.1 | <0.01 | <0.01 | 93 | 5 | <2 | <100 | 50 | 15 | <0.5 | 0 | 140 | 11 | <5 |
| 380S | 1.1 | <0.01 | <0.01 | 89 | 4 | <2 | <100 | 48 | 11 | <0.5 | 0 | 110 | 11 | <5 |
| 381S | 2.7 | <0.01 | <0.01 | 68 | 4 | <2 | <100 | 37 | 15 | <0.5 | 0 | 100 | 9 | <5 |
| 382S | 2.2 | <0.01 | <0.01 | 59 | 3 | <2 | <100 | 32 | 18 | <0.5 | 0 | 89 | 7 | <5 |
| 383S | 0.9 | <0.01 | <0.01 | 69 | 3 | <2 | <100 | 43 | 11 | <0.5 | 0 | 110 | 10 | <5 |
| 364S | 0.6 | <0.01 | <0.01 | 69 | 6 | <2 | <100 | 46 | 7 | <0.5 | 0 | 160 | 11 | <5 |
| 385S | 0.9 | <0.01 | <0.01 | 70 | 6 | <2 | <100 | 42 | 12 | <0.5 | 0 | 150 | 11 | <5 |
| 386S | 0.9 | <0.01 | <0.01 | 90 | 7 | <2 | <100 | 50 | 20 | <0.5 | 0 | 170 | 12 | <5 |
| 387S | 1.0 | <0.01 | <0.01 | 74 | 4 | <2 | <100 | 35 | 6 | <0.5 | 2 | 120 | 10 | <5 |
| 388S | 1.0 | <0.01 | <0.01 | 70 | 6 | <2 | <100 | 42 | 9 | <0.5 | 0 | 160 | 10 | <5 |
| 389S | 0.7 | <0.01 | <0.01 | 71 | 6 | <2 | <100 | 37 | 6 | <0.5 | 0 | 160 | 13 | <5 |
| 390S | 1.2 | <0.01 | <0.01 | 76 | 4 | <2 | <100 | 40 | 10 | <0.5 | 0 | 140 | 9 | <5 |
| 391S | 1.1 | <0.01 | <0.01 | 63 | 5 | <2 | <100 | 37 | 8 | <0.5 | 0 | 130 | 10 | <5 |
| 392S | 0.9 | <0.01 | <0.01 | 44 | 7 | <2 | <100 | 28 | 1 | <0.5 | 1 | 170 | 16 | <5 |
| 393S | 1.0 | <0.01 | 0.01 | 50 | 7 | <2 | <100 | 33 | 4 | <0.5 | 1 | 150 | 14 | <5 |
| 394S | 1.1 | <0.01 | <0.01 | 97 | 4 | <2 | <100 | 53 | 20 | <0.5 | 0 | 150 | 13 | <5 |
| 395S | 0.8 | <0.01 | <0.01 | 89 | 10 | <2 | <100 | 47 | 9 | <0.5 | 0 | 160 | 13 | <5 |
| 396S | 0.8 | <0.01 | <0.01 | 100 | 6 | <2 | <100 | 47 | 12 | <0.5 | 0 | 160 | 12 | <5 |
| 397S | 0.8 | <0.01 | <0.01 | 83 | 8 | <2 | <100 | 43 | 11 | <0.5 | 0 | 130 | 13 | <5 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 334S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 335S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 24 | <5 |
| 336S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 24 | <5 |
| 337S | <10 | 8 | <200 | 0 | <10 | 2 | <20 | <10 | 21 | <5 |
| 338S | <10 | 2 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 339S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 340S | <10 | 4 | <200 | 2 | <10 | 0 | <20 | <10 | 3 | <5 |
| 341S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 342T | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 343T | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 12 | <5 |
| 344T | <10 | 7 | <200 | 1 | <10 | 2 | <20 | <10 | 35 | <5 |
| 345T | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 17 | <5 |
| 346T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 347S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 19 | <5 |
| 348T | <10 | 8 | <200 | 1 | <10 | 0 | <20 | <10 | 23 | <5 |
| 349S | <10 | 9 | <200 | 1 | <10 | 2 | <20 | <10 | 31 | 6 |
| 350S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| 351S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 352S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 353S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 354S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 355S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 356S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 3 | <5 |
| 357S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 358S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| 359S | <10 | 8 | <200 | 0 | <10 | 0 | <20 | <10 | 28 | <5 |
| 360S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 361S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 362S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 363S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 24 | <5 |
| 364S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 20 | <5 |
| 365S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 3 | <5 |
| 366S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 367S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 21 | <5 |
| 368S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 28 | 5 |
| 369S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 14 | <5 |
| 370S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 371S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 372S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 19 | <5 |
| 373S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 18 | <5 |
| 374S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 375S | <10 | 8 | <200 | 1 | <10 | 2 | <20 | <10 | 20 | <5 |
| 376S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 377S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |
| 378S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 3 | <5 |
| 379S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| 380S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 381S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 382S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 18 | <5 |
| 383S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 384S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 385S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 386S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 387S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 388S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 389S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 390S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 391S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 392S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 393S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 394S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 14 | <5 |
| 395S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 396S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 397S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 17 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | 3 | 6 | <200 | 68 | 16 | 10 | 990 | 88 |
| 399S | <2 | <20 | <5 | 6 | 10 | 1 | <5 | 3 | 6 | <200 | 83 | 19 | 26 | 1000 | 34 |
| 400S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | 2 | 4 | <200 | 98 | 19 | 25 | 1200 | 30 |
| 401S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 5 | <200 | 97 | 30 | 12 | 600 | 45 |
| 402S | 2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 88 | 19 | 19 | 720 | 56 |
| 403S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 100 | 24 | 24 | 730 | 28 |
| 404T | <2 | <20 | 9 | 17 | 18 | 4 | <5 | 6 | 7 | <200 | 135 | 55 | 41 | 1300 | 58 |
| 405T | 2 | <20 | <5 | 6 | 12 | 2 | <5 | <2 | 4 | <200 | 108 | 42 | 29 | 790 | 93 |
| 406S | <2 | <20 | <5 | 6 | 8 | 1 | <5 | 2 | 3 | <200 | 50 | 27 | 10 | 560 | 31 |
| 407S | <2 | <20 | <5 | 4 | 10 | 1 | <5 | <2 | 3 | <200 | 62 | 23 | 7 | 630 | 54 |
| 408T | <2 | <20 | <5 | 8 | 14 | 2 | <5 | 4 | 4 | <200 | 93 | 51 | 28 | 660 | 42 |
| 409T | <2 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 3 | <200 | 60 | 32 | 18 | 540 | 46 |
| 410S | <2 | <20 | 6 | 3 | 17 | 1 | <5 | <2 | 2 | <200 | 62 | 21 | 14 | 610 | 32 |
| 411S | <2 | <20 | 9 | 4 | 10 | 1 | <5 | <2 | 3 | <200 | 62 | 12 | 8 | 750 | 23 |
| 412S | <2 | <20 | <5 | 6 | 10 | 1 | <5 | 4 | 6 | <200 | 150 | 17 | 11 | 590 | 118 |
| 413S | <2 | <20 | <5 | 9 | 16 | 2 | <5 | 4 | 6 | <200 | 129 | 23 | 18 | 810 | 147 |
| 414S | <2 | <20 | 8 | 5 | 17 | 1 | <5 | <2 | 4 | <200 | 59 | 20 | 9 | 630 | 125 |
| 415S | <2 | <20 | <5 | 8 | 13 | 1 | <5 | <2 | 4 | <200 | 69 | 18 | 24 | 770 | 45 |
| 416S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | 5 | 3 | <200 | 74 | 7 | 23 | 1300 | 19 |
| 417S | <2 | <20 | <5 | 5 | <5 | 2 | <5 | <2 | 5 | <200 | 72 | 9 | 10 | 920 | 57 |
| 418S | <2 | <20 | <5 | 4 | 16 | 1 | <5 | 4 | 4 | <200 | 64 | 14 | 8 | 830 | 53 |
| 419S | <2 | <20 | <5 | 6 | 12 | 2 | <5 | 4 | 4 | <200 | 69 | 39 | 8 | 840 | 139 |
| 420S | <2 | <20 | <5 | 4 | 8 | 1 | <5 | <2 | 4 | <200 | 61 | 14 | 9 | 690 | 106 |
| 421S | 3 | <20 | 7 | 5 | 15 | 1 | <5 | <2 | 4 | <200 | 88 | 21 | 11 | 820 | 71 |
| 422S | <2 | <20 | 6 | 2 | <5 | 0 | <5 | <2 | 3 | <200 | 64 | 11 | 11 | 760 | 18 |
| 423S | <2 | <20 | 6 | 4 | <5 | 1 | <5 | <2 | 3 | <200 | 88 | 28 | 19 | 640 | 40 |
| 424S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 58 | 13 | 7 | 530 | 20 |
| 425T | 2 | <20 | <5 | 8 | 12 | 7 | 5 | 2 | 6 | 200 | 112 | 21 | 34 | 1200 | 37 |
| 426T | 3 | <20 | 14 | 14 | 16 | 4 | <5 | 6 | 7 | 220 | 141 | 25 | 44 | 1200 | 48 |
| 427T | 8 | <20 | 8 | 14 | 13 | 4 | <5 | 5 | 6 | <200 | 134 | 29 | 34 | 1100 | 56 |
| 428S | 6 | <20 | 10 | 10 | 9 | 3 | <5 | 5 | 3 | <200 | 111 | 20 | 29 | 1100 | 46 |
| 429S | <2 | <20 | 8 | 10 | 16 | 3 | <5 | 4 | 6 | 220 | 92 | 22 | 21 | 530 | 82 |
| 430T | <2 | <20 | <5 | 12 | 18 | 3 | <5 | <2 | 4 | <200 | 98 | 15 | 18 | 690 | 68 |
| 431S | <2 | <20 | 8 | 7 | 8 | 3 | <5 | <2 | 5 | <200 | 81 | 14 | 14 | 690 | 66 |
| 434S | 2 | <20 | <5 | 7 | 11 | 3 | <5 | <2 | 4 | <200 | 120 | 21 | 19 | 920 | 93 |
| 435S | <2 | <20 | <5 | 7 | 6 | 3 | <5 | <2 | 4 | <200 | 120 | 25 | 28 | 1000 | 52 |
| 436S | <2 | <20 | <5 | 5 | 8 | 1 | <5 | <2 | 4 | <200 | 83 | 16 | 13 | 890 | 43 |
| 437S | <2 | <20 | <5 | 3 | 10 | 1 | <5 | <2 | 3 | <200 | 54 | 13 | 6 | 810 | 48 |
| 438S | <2 | <20 | <5 | 6 | 7 | 1 | <5 | <2 | 3 | <200 | 72 | 6 | 12 | 710 | 17 |
| 439S | 2 | <20 | <5 | 6 | 14 | 1 | <5 | 5 | 5 | <200 | 75 | 20 | 7 | 740 | 91 |
| 440S | <2 | <20 | <5 | 5 | 11 | 1 | <5 | 4 | 4 | <200 | 73 | 11 | 11 | 920 | 45 |
| 441S | <2 | <20 | <5 | 5 | 7 | 1 | <5 | <2 | 4 | <200 | 66 | 6 | 12 | 930 | 73 |
| 442S | <2 | <20 | <5 | 4 | 11 | 2 | <5 | 3 | 3 | <200 | 65 | 15 | 10 | 650 | 57 |
| 443S | <2 | <20 | <5 | 7 | 9 | 3 | <5 | <2 | 6 | <200 | 103 | 17 | 17 | 680 | 53 |
| 444S | 3 | <20 | <5 | 5 | 18 | 2 | <5 | <2 | 4 | <200 | 92 | 21 | 21 | 770 | 75 |
| 445T | 5 | <20 | 22 | 49 | 31 | 50 | 34 | 8 | 8 | <200 | 140 | 28 | 48 | 530 | 39 |
| 446S | <2 | <20 | <5 | 12 | 13 | 3 | <5 | <2 | 5 | <200 | 99 | 21 | 15 | 800 | 82 |
| 447S | <2 | <20 | 12 | 7 | 9 | 2 | <5 | 3 | 4 | <200 | 102 | 24 | 23 | 950 | 53 |
| 448S | 4 | <20 | <5 | 5 | <5 | 1 | <5 | 4 | 5 | <200 | 94 | 16 | 21 | 1000 | 26 |
| 449S | <2 | <20 | 6 | 4 | <5 | 2 | <5 | 4 | 4 | <200 | 59 | 10 | 7 | 890 | 30 |
| 450S | 3 | <20 | <5 | 7 | 5 | 2 | <5 | 4 | 4 | <200 | 80 | 23 | 18 | 670 | 74 |
| 451S | <2 | <20 | <5 | 5 | <5 | 2 | <5 | <2 | 1 | <200 | 65 | 14 | 9 | 840 | 24 |
| 452S | <2 | <20 | <5 | 4 | <5 | 2 | <5 | <2 | 3 | <200 | 83 | 22 | 14 | 660 | 56 |
| 453S | <2 | <20 | <5 | 6 | 6 | 2 | <5 | <2 | 8 | <200 | 90 | 27 | 18 | 720 | 48 |
| 454S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | 6 | 8 | <200 | 46 | 40 | 15 | 370 | 24 |
| 455S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 83 | 33 | 16 | 640 | 37 |
| 456S | <2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 3 | <200 | 66 | 24 | 21 | 600 | 36 |
| 457S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 2 | <200 | 60 | 14 | 9 | 620 | 17 |
| 458S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <200 | 47 | 20 | 10 | 640 | 27 |
| 459S | <2 | <20 | <5 | 9 | 12 | 3 | <5 | <2 | 7 | <200 | 124 | 35 | 29 | 840 | 91 |
| 460S | <2 | <20 | <5 | 6 | <5 | 3 | <5 | <2 | 5 | <200 | 50 | 21 | 11 | 780 | 77 |
| 461S | <2 | <20 | <5 | 4 | <5 | 2 | <5 | <2 | 4 | <200 | 64 | 104 | 11 | 970 | 57 |
| 462S | <2 | <20 | 10 | 11 | <5 | 2 | <5 | 8 | 9 | <200 | 88 | 15 | 69 | 1300 | 19 |
| 463S | 2 | <20 | 8 | 14 | 5 | 3 | <5 | 14 | 16 | <200 | 81 | 35 | 33 | 1000 | 28 |

## Albert River

### Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398S | <5 | <0.2 | 207 | <20 | 20 | 16 | 11 | 76 | 13 | <5 | 1 | <10 | <0.2 | 3 | 32 |
| 399S | <5 | <0.2 | 315 | 42 | 32 | 21 | 18 | 88 | 18 | <5 | 2 | <10 | <0.2 | 2 | 44 |
| 400S | <5 | <0.2 | 699 | 38 | 30 | 20 | 19 | 96 | 16 | 5 | 10 | <10 | <0.2 | <2 | 39 |
| 401S | <5 | <0.2 | 883 | 31 | 30 | 19 | 19 | 75 | 26 | <5 | 2 | <10 | <0.2 | <2 | 54 |
| 402S | <5 | <0.2 | 225 | 45 | 27 | 16 | 15 | 88 | 26 | <5 | 2 | <10 | <0.2 | 5 | 48 |
| 403S | <5 | <0.2 | 236 | 47 | 33 | 16 | 16 | 94 | 29 | <5 | 3 | <10 | <0.2 | 5 | 50 |
| 404T | <5 | 0.3 | 240 | 29 | 35 | 17 | 19 | 79 | 15 | <5 | 3 | <10 | 0.3 | <2 | 30 |
| 405T | <5 | <0.2 | 902 | <20 | 31 | 21 | 20 | 75 | 20 | <5 | 5 | <10 | <0.2 | <2 | 42 |
| 406S | <5 | <0.2 | 396 | <20 | 19 | <10 | 7 | <50 | 4 | <5 | 10 | <10 | <0.2 | <2 | 8 |
| 407S | <5 | <0.2 | 155 | 36 | 18 | <10 | 8 | 64 | 15 | <5 | 6 | <10 | <0.2 | 5 | 30 |
| 408T | 6 | 0.2 | 908 | 50 | 30 | 18 | 21 | 67 | 21 | 5 | 6 | <10 | <0.2 | <2 | 40 |
| 409T | <5 | <0.2 | 456 | 36 | 20 | 14 | 11 | 67 | 10 | <5 | 13 | <10 | <0.2 | <2 | 17 |
| 410S | <5 | <0.2 | 172 | <20 | 20 | <10 | 9 | 76 | 15 | <5 | 14 | <10 | <0.2 | 5 | 27 |
| 411S | <5 | 0.2 | 170 | <20 | 21 | <10 | 8 | 73 | 17 | <5 | 9 | <10 | <0.2 | 4 | 29 |
| 412S | <5 | <0.2 | 75 | <20 | 19 | 10 | 7 | 67 | 13 | <5 | 5 | <10 | <0.2 | 7 | 27 |
| 413S | <5 | 0.3 | 222 | <20 | 29 | 14 | 15 | 75 | 14 | <5 | 5 | <10 | <0.2 | 3 | 36 |
| 414S | <5 | <0.2 | 118 | 42 | 16 | 14 | 11 | 54 | 12 | <5 | 9 | <10 | <0.2 | 5 | 40 |
| 415S | <5 | <0.2 | 436 | <20 | 26 | 18 | 16 | 79 | 13 | <5 | 5 | <10 | <0.2 | <2 | 41 |
| 416S | <5 | 0.2 | 58 | 35 | 27 | 12 | 14 | 95 | 12 | <5 | 2 | <10 | <0.2 | <2 | 24 |
| 417S | <5 | 0.2 | 62 | 38 | 22 | <10 | 10 | 86 | 12 | <5 | 4 | <10 | <0.2 | 4 | 26 |
| 418S | <5 | <0.2 | 48 | 38 | 23 | <10 | 9 | 69 | 17 | <5 | 2 | <10 | <0.2 | 7 | 55 |
| 419S | <5 | 0.2 | 138 | 64 | 22 | 12 | 13 | 85 | 13 | <5 | 2 | <10 | <0.2 | 3 | 37 |
| 420S | <5 | <0.2 | 38 | 35 | 15 | <10 | 7 | 51 | 13 | <5 | 2 | <10 | <0.2 | 5 | 26 |
| 421S | <5 | 0.2 | 114 | 51 | 29 | 23 | 18 | 87 | 18 | <5 | 3 | <10 | <0.2 | 5 | 52 |
| 422S | <5 | <0.2 | 98 | <20 | 23 | <10 | 8 | 92 | 23 | <5 | 5 | <10 | <0.2 | 4 | 26 |
| 423S | <5 | <0.2 | 1182 | <20 | 24 | 19 | 15 | 60 | 18 | <5 | 13 | <10 | <0.2 | <2 | 28 |
| 424S | <5 | <0.2 | 148 | 35 | 18 | <10 | 8 | 50 | 19 | <5 | 7 | <10 | <0.2 | 6 | 23 |
| 425T | <5 | 0.2 | 348 | 48 | 36 | 18 | 20 | 83 | 17 | 5 | 5 | <10 | <0.2 | <2 | 43 |
| 426T | <5 | 0.4 | 350 | 51 | 38 | 19 | 23 | 77 | 14 | <5 | 6 | <10 | <0.2 | <2 | 33 |
| 427T | <5 | 0.2 | 516 | 74 | 33 | 13 | 18 | 68 | 12 | <5 | 7 | <10 | 0.3 | <2 | 28 |
| 428S | <5 | 0.2 | 317 | <20 | 24 | 18 | 14 | 81 | 7 | <5 | 10 | <10 | 0.3 | <2 | 16 |
| 429S | <5 | 0.3 | 391 | 41 | 25 | 20 | 17 | 84 | 13 | <5 | 9 | <10 | <0.2 | 4 | 35 |
| 430T | <5 | 0.3 | 132 | 55 | 29 | 12 | 14 | 77 | 13 | <5 | 7 | <10 | <0.2 | 5 | 33 |
| 431S | <5 | 0.2 | 157 | 49 | 24 | 11 | 11 | 88 | 16 | <5 | 1 | <10 | <0.2 | 5 | 39 |
| 434S | <5 | 0.2 | 192 | <20 | 28 | <10 | 11 | 83 | 19 | <5 | 9 | <10 | <0.2 | 4 | 41 |
| 435S | <5 | 0.3 | 154 | <20 | 32 | 11 | 13 | 61 | 19 | <5 | 11 | <10 | <0.2 | 3 | 39 |
| 436S | <5 | 0.3 | 125 | 40 | 28 | <10 | 11 | 62 | 19 | <5 | 3 | <10 | <0.2 | 4 | 50 |
| 437S | <5 | <0.2 | 48 | <20 | 14 | <10 | 5 | 57 | 14 | <5 | 4 | <10 | <0.2 | 7 | 37 |
| 438S | <5 | 0.2 | 51 | <20 | 24 | <10 | 9 | 91 | 18 | <5 | 2 | <10 | <0.2 | 4 | 42 |
| 439S | <5 | <0.2 | 80 | <20 | 21 | <10 | 10 | 70 | 15 | <5 | 3 | <10 | <0.2 | 5 | 42 |
| 440S | <5 | <0.2 | 58 | 37 | 25 | 10 | 10 | <50 | 14 | <5 | 3 | <10 | <0.2 | 5 | 32 |
| 441S | <5 | <0.2 | 79 | 48 | 20 | <10 | 9 | 52 | 10 | <5 | 2 | <10 | <0.2 | 4 | 21 |
| 442S | <5 | <0.2 | 46 | 49 | 17 | <10 | 6 | 68 | 12 | <5 | 5 | <10 | <0.2 | 6 | 31 |
| 443S | <5 | 0.3 | 150 | 57 | 26 | 15 | 14 | 52 | 16 | <5 | 2 | <10 | <0.2 | 4 | 42 |
| 444S | <5 | <0.2 | 813 | <20 | 30 | 20 | 20 | 90 | 18 | <5 | 3 | <10 | <0.2 | <2 | 53 |
| 445T | <5 | <0.2 | 439 | <20 | 50 | 27 | 27 | 57 | 14 | 6 | 9 | <10 | <0.2 | <2 | 22 |
| 446S | <5 | 0.2 | 239 | 46 | 30 | 14 | 13 | 59 | 14 | <5 | 3 | <10 | <0.2 | 3 | 64 |
| 447S | <5 | <0.2 | 537 | <20 | 29 | 17 | 16 | <50 | 12 | <5 | 7 | <10 | <0.2 | <2 | 33 |
| 448S | <5 | 0.2 | 129 | <20 | 30 | 16 | 17 | 78 | 23 | 5 | 5 | <10 | <0.2 | 3 | 49 |
| 449S | <5 | <0.2 | 49 | <20 | 17 | <10 | 7 | 62 | 10 | <5 | 2 | <10 | <0.2 | 4 | 18 |
| 450S | <5 | 0.3 | 686 | <20 | 21 | 20 | 16 | 52 | 11 | <5 | 11 | <10 | <0.2 | <2 | 33 |
| 451S | <5 | <0.2 | 206 | <20 | 13 | <10 | 6 | <50 | 3 | <5 | 5 | <10 | 0.5 | <2 | 6 |
| 452S | <5 | <0.2 | 1208 | <20 | 17 | 23 | 20 | 62 | 11 | <5 | 5 | <10 | <0.2 | <2 | 34 |
| 453S | <5 | <0.2 | 717 | <20 | 25 | 13 | 15 | 68 | 11 | 10 | 8 | <10 | <0.2 | 2 | 28 |
| 454S | <5 | <0.2 | 30 | <20 | 5 | <10 | 6 | <50 | 13 | <5 | 15 | <10 | <0.2 | 16 | 14 |
| 455S | <5 | <0.2 | 786 | <20 | 18 | 20 | 15 | 80 | 19 | <5 | 17 | <10 | <0.2 | <2 | 24 |
| 456S | <5 | <0.2 | 292 | 46 | 22 | <10 | 10 | 55 | 24 | 5 | 30 | <10 | <0.2 | 3 | 33 |
| 457S | <5 | <0.2 | 112 | <20 | 20 | <10 | 7 | 61 | 15 | <5 | 4 | <10 | <0.2 | <2 | 21 |
| 458S | <5 | <0.2 | 54 | <20 | 14 | <10 | 6 | 66 | 15 | <5 | 7 | <10 | <0.2 | 4 | 22 |
| 459S | <5 | <0.2 | 564 | 40 | 35 | 20 | 19 | 86 | 19 | 5 | 5 | <10 | <0.2 | <2 | 50 |
| 460S | <5 | 0.3 | 116 | <20 | 21 | 14 | 12 | 94 | 11 | 5 | 3 | <10 | <0.2 | 4 | 24 |
| 461S | <5 | <0.2 | 135 | <20 | 20 | 12 | 14 | 58 | 11 | <5 | 4 | <10 | <0.2 | <2 | 29 |
| 462S | <5 | <0.2 | 277 | <20 | 48 | 27 | 25 | 88 | 4 | <5 | 9 | <10 | <0.2 | <2 | 2 |
| 463S | <5 | <0.2 | 288 | 55 | 40 | 15 | 20 | <50 | 4 | <5 | 13 | <10 | <0.2 | <2 | 3 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398S | <20 | 12 | 5 | 15 | 7 | <500 | 2 | 10 | 0.1 | 3.3 | 2.5 | 1.5 | 1.6 | 0.1 |
| 399S | <20 | 15 | 5 | 14 | 6 | <500 | 4 | 8 | 0.1 | 4.2 | 3.0 | 2.4 | 1.9 | 0.0 |
| 400S | <20 | 15 | 3 | 6 | 4 | <500 | 4 | 56 | 0.7 | 4.5 | 3.5 | 1.5 | 1.5 | 0.0 |
| 401S | <20 | 12 | 2 | 15 | 4 | <500 | 1 | 3 | 0.0 | 5.0 | 4.2 | 1.8 | 2.4 | 0.0 |
| 402S | <20 | 12 | 3 | 18 | 5 | <500 | 1 | 5 | 0.1 | 5.1 | 4.6 | 1.4 | 2.3 | 0.0 |
| 403S | <20 | 14 | 2 | 14 | 3 | <500 | 0 | 3 | 0.0 | 5.2 | 4.8 | 1.7 | 2.4 | 0.0 |
| 404T | <20 | 17 | 5 | 16 | 5 | <500 | 5 | 51 | 1.4 | 3.8 | 3.2 | 2.1 | 1.5 | 0.1 |
| 405T | <20 | 15 | 3 | 19 | 4 | <500 | 2 | 21 | 0.2 | 3.9 | 3.6 | 1.5 | 2.5 | 0.1 |
| 406S | <20 | 15 | 5 | 9 | 8 | <500 | 2 | 26 | 0.3 | 1.8 | 1.8 | 0.2 | 1.3 | 0.0 |
| 407S | <20 | 11 | 3 | 17 | 6 | <500 | 0 | 15 | 0.2 | 2.8 | 2.5 | 1.0 | 1.8 | 0.0 |
| 408T | <20 | 17 | 6 | 11 | 6 | <500 | 0 | 22 | 0.2 | 3.8 | 3.3 | 1.4 | 1.9 | 0.0 |
| 409T | <20 | 18 | 4 | 8 | 9 | <500 | 2 | 56 | 0.6 | 2.8 | 2.2 | 0.7 | 1.2 | 0.0 |
| 410S | <20 | 17 | 3 | 10 | 6 | <500 | 3 | 12 | 0.1 | 3.7 | 2.6 | 1.0 | 2.6 | 0.0 |
| 411S | <20 | 17 | 3 | 11 | 6 | <500 | 0 | 3 | 0.0 | 3.9 | 3.0 | 1.1 | 1.9 | 0.0 |
| 412S | <20 | 10 | 4 | 45 | 6 | <500 | 1 | 4 | 0.1 | 3.0 | 2.5 | 1.0 | 2.0 | 0.0 |
| 413S | <20 | 13 | 4 | 23 | 5 | <500 | 0 | 11 | 0.2 | 3.7 | 3.4 | 1.4 | 2.3 | 0.1 |
| 414S | <20 | 10 | 4 | 20 | 5 | <500 | 4 | 16 | 0.2 | 3.6 | 2.7 | 1.1 | 2.6 | 0.1 |
| 415S | <20 | 17 | 4 | 12 | 7 | <500 | 3 | 54 | 0.7 | 3.9 | 2.8 | 1.8 | 1.5 | 0.1 |
| 416S | <20 | 12 | 2 | 5 | 4 | <500 | 2 | 4 | 0.0 | 5.1 | 4.3 | 0.9 | 1.1 | 0.0 |
| 417S | <20 | 10 | 3 | 15 | 4 | <500 | 1 | 9 | 0.1 | 4.9 | 4.4 | 0.7 | 1.4 | 0.0 |
| 418S | <20 | 9 | 3 | 23 | 5 | <500 | 4 | 5 | 0.0 | 4.0 | 3.3 | 1.7 | 2.2 | 0.0 |
| 419S | <20 | 14 | 4 | 18 | 7 | <500 | 5 | 37 | 0.5 | 3.3 | 2.9 | 1.0 | 1.9 | 0.0 |
| 420S | <20 | 11 | 4 | 24 | 4 | <500 | 1 | 14 | 0.2 | 3.0 | 2.2 | 0.9 | 1.8 | 0.0 |
| 421S | <20 | 14 | 3 | 18 | 5 | <500 | 5 | 18 | 0.1 | 4.4 | 3.9 | 1.6 | 2.5 | 0.0 |
| 422S | <20 | 18 | 3 | 12 | 6 | <500 | 1 | 3 | 0.0 | 3.3 | 3.0 | 1.2 | 1.8 | 0.0 |
| 423S | <20 | 17 | 5 | 9 | 6 | <500 | 2 | 63 | 0.7 | 4.0 | 3.0 | 1.1 | 1.6 | 0.0 |
| 424S | <20 | 13 | 3 | 20 | 6 | <500 | 1 | 3 | 0.0 | 4.7 | 4.1 | 0.9 | 1.9 | 0.0 |
| 425T | <20 | 18 | 5 | 11 | 6 | <500 | 4 | 67 | 1.0 | 3.9 | 3.3 | 2.1 | 1.6 | 0.1 |
| 426T | <20 | 17 | 5 | 14 | 5 | <500 | 4 | 31 | 0.6 | 4.1 | 3.4 | 2.1 | 1.5 | 0.1 |
| 427T | <20 | 16 | 5 | 11 | 4 | <500 | 3 | 72 | 2.0 | 3.5 | 3.0 | 1.9 | 1.1 | 0.1 |
| 428S | <20 | 15 | 4 | 8 | 4 | <500 | 2 | 48 | 1.2 | 3.9 | 2.4 | 1.1 | 0.8 | 0.1 |
| 429S | <20 | 13 | 4 | 20 | 4 | <500 | 8 | 4 | 0.0 | 4.3 | 3.5 | 1.4 | 2.7 | 0.1 |
| 430T | <20 | 11 | 3 | 16 | 4 | <500 | 4 | 6 | 0.1 | 4.2 | 3.4 | 1.4 | 2.5 | 0.1 |
| 431S | <20 | 14 | 3 | 20 | 5 | <500 | 2 | 4 | 0.1 | 3.9 | 3.2 | 1.8 | 1.9 | 0.1 |
| 434S | <20 | 14 | 4 | 18 | <2 | <500 | 2 | 26 | 0.4 | 4.1 | 3.0 | 1.7 | 2.1 | 0.1 |
| 435S | <20 | 20 | 6 | 15 | 6 | <500 | 2 | 24 | 0.3 | 3.7 | 3.5 | 1.7 | 2.1 | 0.1 |
| 436S | <20 | 13 | 4 | 15 | 6 | <500 | 2 | 6 | 0.0 | 3.8 | 3.6 | 1.8 | 2.1 | 0.0 |
| 437S | <20 | 10 | 3 | 18 | 4 | <500 | 0 | 4 | 0.0 | 2.7 | 2.1 | 1.1 | 1.7 | 0.0 |
| 438S | <20 | 11 | 3 | 13 | 5 | <500 | 1 | 3 | 0.0 | 3.3 | 3.1 | 1.7 | 1.6 | 0.0 |
| 439S | <20 | 10 | 3 | 23 | 6 | <500 | 1 | 16 | 0.2 | 3.1 | 2.9 | 1.2 | 2.0 | 0.0 |
| 440S | <20 | 10 | 3 | 14 | 5 | <500 | 2 | 4 | 0.0 | 4.1 | 3.6 | 1.2 | 1.6 | 0.1 |
| 441S | <20 | 11 | 3 | 14 | 6 | <500 | 0 | 7 | 0.1 | 3.1 | 3.0 | 0.9 | 1.1 | 0.0 |
| 442S | <20 | 11 | 3 | 18 | 5 | <500 | 2 | 5 | 0.1 | 3.0 | 2.3 | 0.8 | 1.8 | 0.0 |
| 443S | <20 | 12 | 4 | 20 | 4 | <500 | 2 | 4 | 0.1 | 4.2 | 3.7 | 1.8 | 1.9 | 0.1 |
| 444S | <20 | 14 | 2 | 16 | 4 | <500 | 3 | 9 | 0.2 | 4.4 | 3.7 | 2.1 | 2.7 | 0.1 |
| 445T | <20 | 14 | 4 | 11 | <2 | <500 | 3 | 13 | 0.3 | 5.4 | 5.0 | 1.0 | 1.0 | 0.1 |
| 446S | <20 | 15 | 5 | 23 | 6 | <500 | 3 | 16 | 0.2 | 3.7 | 3.1 | 1.6 | 2.0 | 0.2 |
| 447S | <20 | 15 | 4 | 12 | 5 | <500 | 4 | 21 | 0.4 | 3.7 | 3.1 | 1.7 | 1.7 | 0.1 |
| 448S | <20 | 12 | 3 | 14 | 3 | <500 | 3 | 3 | 0.0 | 6.1 | 5.5 | 1.6 | 2.0 | 0.0 |
| 449S | <20 | 8 | 3 | 14 | 6 | <500 | 0 | 5 | 0.0 | 3.1 | 2.6 | 0.6 | 1.1 | 0.0 |
| 450S | <20 | 11 | 4 | 11 | 3 | <500 | 2 | 73 | 1.2 | 4.5 | 3.0 | 0.9 | 1.9 | 0.0 |
| 451S | <20 | 12 | 4 | 6 | 7 | <500 | 1 | 80 | 1.2 | 1.9 | 1.3 | 0.4 | 0.3 | 0.0 |
| 452S | <20 | 12 | 5 | 12 | 5 | <500 | 1 | 64 | 1.2 | 3.5 | 2.3 | 1.2 | 1.3 | 0.0 |
| 453S | <20 | 15 | 4 | 11 | 4 | <500 | 2 | 42 | 0.7 | 3.7 | 2.7 | 1.3 | 1.4 | 0.1 |
| 454S | <20 | 9 | 4 | 36 | 5 | <500 | 13 | 18 | 0.2 | 5.6 | 5.3 | 0.1 | 1.7 | 0.0 |
| 455S | <20 | 19 | 13 | 11 | 4 | <500 | 4 | 66 | 0.6 | 4.1 | 3.0 | 0.9 | 2.3 | 0.0 |
| 456S | <20 | 18 | 12 | 12 | 7 | <500 | 5 | 49 | 0.4 | 3.4 | 2.8 | 1.1 | 2.9 | 0.0 |
| 457S | <20 | 21 | 4 | 8 | 10 | <500 | 1 | 8 | 0.0 | 2.7 | 2.4 | 1.0 | 1.5 | 0.0 |
| 458S | <20 | 17 | 3 | 13 | 8 | <500 | 3 | 3 | 0.0 | 3.3 | 2.7 | 0.7 | 2.0 | 0.0 |
| 459S | <20 | 14 | 5 | 26 | 4 | <500 | 3 | 17 | 0.3 | 4.6 | 3.7 | 2.1 | 2.4 | 0.1 |
| 460S | <20 | 16 | 5 | 15 | 5 | <500 | 7 | 19 | 0.1 | 3.7 | 2.8 | 1.0 | 1.5 | 0.1 |
| 461S | <20 | 13 | 3 | 8 | 5 | <500 | 2 | 36 | 0.4 | 3.5 | 2.6 | 1.2 | 1.3 | 0.0 |
| 462S | <20 | 15 | 6 | 2 | 9 | 1300 | 1 | 73 | 1.1 | 3.8 | 3.5 | 0.3 | 0.3 | 0.0 |
| 463S | <20 | 18 | 9 | 2 | 7 | <500 | 3 | 59 | 0.7 | 3.4 | 3.3 | 0.1 | 0.4 | 0.0 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398S | 1.1 | <0.01 | <0.01 | 82 | 5 | <2 | <100 | 41 | 11 | <0.5 | 0 | 120 | 9 | <5 |
| 399S | 0.7 | <0.01 | <0.01 | 91 | 5 | <2 | <100 | 48 | 17 | <0.5 | 0 | 140 | 14 | <5 |
| 400S | 0.9 | <0.01 | <0.01 | 67 | 5 | <2 | <100 | 31 | 7 | <0.5 | 0 | 170 | 17 | <5 |
| 401S | 1.1 | <0.01 | <0.01 | 43 | 6 | <2 | <100 | 28 | 2 | <0.5 | 1 | 130 | 13 | <5 |
| 402S | 0.8 | <0.01 | <0.01 | 44 | 7 | <2 | <100 | 29 | 0 | <0.5 | 2 | 150 | 15 | <5 |
| 403S | 0.7 | <0.01 | <0.01 | 31 | 7 | <2 | <100 | 17 | 0 | <0.5 | 1 | 180 | 17 | <5 |
| 404T | 0.9 | <0.01 | 0.01 | 78 | 6 | <2 | <100 | 44 | 18 | <0.5 | 0 | 140 | 12 | <5 |
| 405T | 1.4 | 0.01 | 0.03 | 61 | 5 | <2 | <100 | 32 | 14 | <0.5 | 0 | 110 | 13 | <5 |
| 406S | 2.3 | <0.01 | 0.02 | 72 | 5 | <2 | <100 | 37 | 21 | <0.5 | 0 | 120 | 8 | <5 |
| 407S | 1.4 | <0.01 | 0.02 | 40 | 5 | <2 | <100 | 28 | 11 | <0.5 | 0 | 120 | 10 | <5 |
| 408T | 1.4 | <0.01 | <0.01 | 65 | 5 | <2 | <100 | 27 | 12 | <0.5 | 0 | 150 | 14 | <5 |
| 409T | 2.0 | <0.01 | 0.01 | 65 | 4 | <2 | <100 | 41 | 19 | <0.5 | 0 | 140 | 11 | <5 |
| 410S | 1.7 | 0.01 | 0.03 | 71 | 5 | <2 | <100 | 42 | 21 | <0.5 | 0 | 100 | 13 | <5 |
| 411S | 1.3 | <0.01 | <0.01 | 88 | 5 | <2 | <100 | 51 | 25 | <0.5 | 0 | 130 | 13 | <5 |
| 412S | 1.5 | <0.01 | 0.01 | 69 | 5 | <2 | <100 | 38 | 16 | <0.5 | 0 | 140 | 8 | <5 |
| 413S | 1.2 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 39 | 15 | <0.5 | 0 | 120 | 9 | <5 |
| 414S | 1.2 | <0.01 | 0.02 | 63 | 5 | <2 | <100 | 34 | 12 | <0.5 | 1 | 91 | 8 | <5 |
| 415S | 0.9 | <0.01 | <0.01 | 97 | 4 | <2 | <100 | 59 | 27 | <0.5 | 0 | 140 | 13 | <5 |
| 416S | 0.7 | <0.01 | <0.01 | 42 | 7 | <2 | <100 | 18 | 3 | <0.5 | 0 | 210 | 17 | <5 |
| 417S | 1.2 | <0.01 | <0.01 | 33 | 6 | <2 | <100 | 20 | 5 | <0.5 | 0 | 150 | 12 | <5 |
| 418S | 0.9 | <0.01 | 0.01 | 58 | 6 | <2 | <100 | 28 | 16 | <0.5 | 0 | 120 | 10 | <5 |
| 419S | 1.9 | <0.01 | <0.01 | 110 | 5 | <2 | <100 | 37 | 20 | <0.5 | 0 | 130 | 9 | <5 |
| 420S | 1.4 | <0.01 | <0.01 | 52 | 4 | <2 | <100 | 37 | 16 | <0.5 | 0 | 100 | 9 | <5 |
| 421S | 1.0 | <0.01 | <0.01 | 62 | 5 | <2 | <100 | 31 | 13 | <0.5 | 0 | 140 | 12 | <5 |
| 422S | 0.9 | <0.01 | <0.01 | 98 | 5 | <2 | <100 | 56 | 33 | <0.5 | 0 | 150 | 13 | <5 |
| 423S | 0.9 | <0.01 | <0.01 | 96 | 6 | <2 | <100 | 48 | 16 | <0.5 | 0 | 180 | 13 | <5 |
| 424S | 1.4 | <0.01 | 0.02 | 61 | 5 | <2 | <100 | 40 | 20 | <0.5 | 1 | 120 | 10 | <5 |
| 425T | 0.9 | <0.01 | <0.01 | 61 | 6 | <2 | <100 | 34 | 16 | <0.5 | 0 | 160 | 13 | <5 |
| 426T | 0.8 | <0.01 | <0.01 | 78 | 6 | <2 | <100 | 46 | 21 | <0.5 | 0 | 170 | 12 | <5 |
| 427T | 0.8 | <0.01 | <0.01 | 61 | 5 | <2 | <100 | 40 | 18 | <0.5 | 0 | 140 | 12 | <5 |
| 428S | 1.1 | <0.01 | <0.01 | 85 | 4 | <2 | <100 | 44 | 14 | <0.5 | 0 | 130 | 13 | <5 |
| 429S | 1.2 | <0.01 | 0.02 | 98 | 6 | <2 | <100 | 42 | 18 | <0.5 | 1 | 130 | 14 | <5 |
| 430T | 0.9 | <0.01 | 0.02 | 74 | 6 | <2 | <100 | 39 | 13 | <0.5 | 0 | 110 | 14 | <5 |
| 431S | 1.0 | <0.01 | <0.01 | 84 | 4 | <2 | <100 | 53 | 26 | <0.5 | 0 | 140 | 11 | <5 |
| 434S | 1.1 | <0.01 | <0.01 | 59 | 6 | <2 | <100 | 33 | 14 | <0.5 | 0 | 160 | 14 | <5 |
| 435S | 0.8 | <0.01 | <0.01 | 52 | 6 | 2 | <100 | 32 | 14 | <0.5 | 0 | 160 | 12 | <5 |
| 436S | 0.9 | <0.01 | <0.01 | 46 | 5 | <2 | <100 | 33 | 14 | <0.5 | 0 | 130 | 9 | <5 |
| 437S | 1.0 | <0.01 | <0.01 | 52 | 5 | <2 | <100 | 30 | 11 | <0.5 | 0 | 130 | 9 | <5 |
| 438S | 0.8 | <0.01 | <0.01 | 56 | 5 | <2 | <100 | 32 | 14 | <0.5 | 0 | 130 | 10 | <5 |
| 439S | 0.8 | <0.01 | <0.01 | 53 | 4 | <2 | <100 | 30 | 13 | <0.5 | 0 | 110 | 8 | <5 |
| 440S | 0.8 | <0.01 | <0.01 | 60 | 5 | <2 | <100 | 37 | 16 | <0.5 | 0 | 150 | 10 | <5 |
| 441S | 1.1 | <0.01 | <0.01 | 58 | 6 | <2 | <100 | 42 | 21 | <0.5 | 0 | 160 | 10 | <5 |
| 442S | 1.2 | <0.01 | <0.01 | 56 | 6 | <2 | <100 | 33 | 13 | <0.5 | 0 | 120 | 9 | <5 |
| 443S | 1.1 | <0.01 | <0.01 | 68 | 6 | <2 | <100 | 46 | 21 | <0.5 | 0 | 140 | 11 | <5 |
| 444S | 0.8 | <0.01 | 0.01 | 90 | 6 | <2 | <100 | 52 | 30 | <0.5 | 0 | 180 | 15 | <5 |
| 445T | 0.6 | <0.01 | <0.01 | 85 | 12 | <2 | <100 | 47 | 15 | <0.5 | 0 | 160 | 16 | <5 |
| 446S | 1.4 | <0.01 | <0.01 | 64 | 6 | <2 | <100 | 34 | 18 | <0.5 | 0 | 160 | 9 | <5 |
| 447S | 0.9 | <0.01 | <0.01 | 91 | 4 | 2 | <100 | 48 | 21 | <0.5 | 0 | 130 | 13 | <5 |
| 448S | 1.0 | <0.01 | <0.01 | 28 | 6 | <2 | <100 | 14 | 2 | <0.5 | 0 | 130 | 13 | <5 |
| 449S | 1.7 | <0.01 | <0.01 | 37 | 6 | <2 | <100 | 21 | 7 | <0.5 | 0 | 160 | 11 | <5 |
| 450S | 0.8 | <0.01 | 0.01 | 100 | 3 | <2 | <100 | 36 | 17 | <0.5 | 0 | 96 | 12 | <5 |
| 451S | 1.1 | <0.01 | <0.01 | 68 | 3 | <2 | <100 | 39 | 13 | <0.5 | 0 | 150 | 8 | <5 |
| 452S | 0.9 | 0.01 | <0.01 | 70 | 5 | 3 | <100 | 38 | 20 | <0.5 | 0 | 140 | 13 | <5 |
| 453S | 1.1 | <0.01 | <0.01 | 75 | 5 | 2 | <100 | 44 | 21 | <0.5 | 0 | 130 | 12 | <5 |
| 454S | 1.6 | 0.02 | 0.14 | 34 | 4 | <2 | <100 | 19 | 6 | <0.5 | 3 | 40 | 8 | <5 |
| 455S | 0.9 | <0.01 | 0.02 | 67 | 8 | <2 | <100 | 38 | 10 | <0.5 | 0 | 120 | 13 | <5 |
| 456S | 1.4 | <0.01 | 0.02 | 90 | 7 | <2 | <100 | 51 | 23 | <0.5 | 0 | 110 | 15 | <5 |
| 457S | 1.7 | <0.01 | <0.01 | 93 | 6 | <2 | <100 | 50 | 27 | <0.5 | 0 | 150 | 10 | <5 |
| 458S | 1.5 | <0.01 | <0.01 | 87 | 5 | <2 | <100 | 48 | 25 | <0.5 | 0 | 140 | 11 | <5 |
| 459S | 0.9 | <0.01 | <0.01 | 98 | 6 | <2 | <100 | 52 | 33 | <0.5 | 0 | 150 | 16 | 6 |
| 460S | 1.0 | <0.01 | <0.01 | 85 | 5 | <2 | <100 | 38 | 20 | <0.5 | 0 | 170 | 9 | <5 |
| 461S | 1.0 | <0.01 | <0.01 | 78 | 4 | 2 | <100 | 38 | 9 | <0.5 | 0 | 140 | 10 | <5 |
| 462S | 1.7 | <0.01 | <0.01 | 82 | 8 | <2 | <100 | 38 | 28 | <0.5 | 0 | 180 | 16 | <5 |
| 463S | 0.9 | <0.01 | <0.01 | 96 | 7 | <2 | <100 | 53 | 50 | <0.5 | 0 | 140 | 17 | 5 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 398S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 399S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 16 | <5 |
| 400S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 16 | <5 |
| 401S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 402S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 403S | <10 | 2 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 404T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 405T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 406S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 17 | <5 |
| 407S | <10 | 4 | <200 | 2 | <10 | 0 | <20 | <10 | 3 | <5 |
| 408T | <10 | 5 | <200 | 2 | <10 | 1 | <20 | <10 | 9 | <5 |
| 409T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 410S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 411S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |
| 412S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| 413S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 414S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| 415S | <10 | 8 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 416S | <10 | 2 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 417S | <10 | 2 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |
| 418S | <10 | 3 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 419S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 420S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 421S | <10 | 4 | <200 | 0 | <10 | 1 | <20 | <10 | 6 | <5 |
| 422S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 423S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 424S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 425T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 426T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 427T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 428S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 429S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 9 | <5 |
| 430T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 431S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 434S | <10 | 4 | <200 | 2 | <10 | 0 | <20 | <10 | 6 | <5 |
| 435S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 436S | <10 | 4 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |
| 437S | <10 | 3 | <200 | 2 | <10 | 0 | <20 | <10 | 0 | <5 |
| 438S | <10 | 4 | <200 | 2 | <10 | 0 | <20 | <10 | 1 | <5 |
| 439S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 440S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 441S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 442S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 443S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 444S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 15 | <5 |
| 445T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 17 | <5 |
| 446S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 447S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 21 | <5 |
| 448S | <10 | 2 | <200 | 2 | <10 | 0 | <20 | <10 | 3 | <5 |
| 449S | <10 | 2 | <200 | 1 | <10 | 0 | <20 | <10 | 0 | <5 |
| 450S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 17 | <5 |
| 451S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 452S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 11 | <5 |
| 453S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 16 | <5 |
| 454S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 455S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 456S | <10 | 8 | <200 | 0 | <10 | 2 | <20 | <10 | 16 | <5 |
| 457S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 3 | <5 |
| 458S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 1 | <5 |
| 459S | <10 | 9 | <200 | 2 | <10 | 2 | <20 | <10 | 28 | <5 |
| 460S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 461S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| 462S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 463S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 25 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464S | <2 | <20 | <5 | 5 | <5 | 2 | <5 | <2 | 2 | <200 | 75 | 12 | 28 | 1000 | 21 |
| 465S | 6 | <20 | <5 | 7 | 11 | 2 | <5 | 4 | 5 | <200 | 88 | 18 | 26 | 780 | 59 |
| 466S | 7 | <20 | <5 | 8 | 9 | 3 | <5 | 4 | 6 | <200 | 101 | 25 | 30 | 870 | 45 |
| 487S | 2 | <20 | <5 | 4 | <5 | 1 | <5 | 2 | 4 | <200 | 48 | 22 | 16 | 610 | 31 |
| 468S | <2 | <20 | 6 | 2 | <5 | 0 | <5 | 3 | 3 | <200 | 47 | 19 | 9 | 510 | 20 |
| 469S | <2 | <20 | 8 | 5 | <5 | 1 | <5 | <2 | 3 | <200 | 73 | 22 | 7 | 580 | 37 |
| 470S | <2 | <20 | 13 | 4 | <5 | 1 | <5 | <2 | 3 | <200 | 43 | 15 | 8 | 660 | 23 |
| 471S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 4 | <200 | 55 | 13 | 11 | 630 | 14 |
| 472S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 2 | <200 | 38 | 18 | 7 | 560 | 30 |
| 473S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 5 | <200 | 79 | 20 | 15 | 610 | 23 |
| 474S | <2 | <20 | 9 | 2 | <5 | 0 | <5 | 2 | 2 | <200 | 27 | 8 | 6 | 610 | 14 |
| 475S | 2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <200 | 36 | 14 | 6 | 440 | 20 |
| 476S | <2 | <20 | 6 | 3 | <5 | 0 | <5 | 3 | 5 | <200 | 75 | 12 | 11 | 560 | 26 |
| 477S | 3 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 3 | <200 | 53 | 11 | 7 | 820 | 22 |
| 478S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | 3 | 5 | <200 | 72 | 22 | 17 | 610 | 50 |
| 479S | <2 | <20 | <5 | 8 | <5 | 1 | <5 | 3 | 6 | <200 | 87 | 29 | 23 | 650 | 61 |
| 480S | <2 | <20 | 9 | 3 | <5 | 1 | <5 | <2 | 4 | <200 | 56 | 17 | 9 | 640 | 24 |
| 481S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <200 | 49 | 19 | 9 | 430 | 21 |
| 482S | <2 | <20 | <5 | 3 | <5 | 1 | <5 | 3 | 4 | <200 | 49 | 18 | 8 | 610 | 21 |
| 483S | <2 | <20 | <5 | 2 | <5 | 1 | <5 | <2 | 2 | <200 | 30 | 13 | 7 | 700 | 25 |
| 484S | 7 | <20 | 13 | 16 | 11 | 3 | <5 | <2 | 6 | <200 | 106 | 33 | 45 | 1200 | 60 |
| 485S | 12 | <20 | 14 | 20 | 13 | 4 | <5 | 3 | 7 | <200 | 121 | 25 | 39 | 1400 | 59 |
| 486S | 4 | <20 | 8 | 11 | <5 | 2 | <5 | 2 | 6 | <200 | 115 | 22 | 38 | 1400 | 48 |
| 487S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 4 | <200 | 68 | 10 | 9 | 680 | 24 |
| 488S | 3 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 2 | <200 | 50 | 13 | 4 | 630 | 27 |
| 489S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 5 | <200 | 89 | 19 | 15 | 710 | 17 |
| 490S | 5 | <20 | <5 | 12 | 8 | 2 | <5 | 3 | 7 | <200 | 127 | 23 | 40 | 1500 | 97 |
| 491S | 2 | <20 | 23 | 9 | <5 | 1 | <5 | 3 | 5 | <200 | 94 | 34 | 21 | 920 | 102 |
| 492S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 3 | <200 | 88 | 24 | 17 | 580 | 22 |
| 493S | 3 | <20 | <5 | 6 | <5 | 1 | <5 | 3 | 4 | <200 | 64 | 26 | 15 | 690 | 67 |
| 494S | 5 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 6 | <200 | 71 | 35 | 15 | 850 | 66 |
| 495S | 5 | <20 | <5 | 8 | <5 | 1 | <5 | 5 | 7 | <200 | 84 | 30 | 18 | 990 | 102 |
| 496S | 8 | <20 | 8 | 9 | <5 | 1 | <5 | 3 | 4 | <200 | 97 | 20 | 25 | 1000 | 58 |
| 497S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <200 | 59 | 15 | 11 | 730 | 57 |
| 498S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 4 | <200 | 57 | 23 | 14 | 610 | 29 |
| 499S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 4 | <200 | 68 | 16 | 9 | 660 | 24 |
| 500S | <2 | <20 | <5 | 0 | <5 | 0 | <5 | <2 | 3 | <200 | 62 | 10 | 4 | 660 | 39 |
| 501S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 5 | <200 | 88 | 15 | 19 | 700 | 15 |
| 502S | <2 | <20 | 7 | 1 | <5 | 0 | <5 | <2 | 5 | 220 | 86 | 10 | 14 | 740 | 28 |
| 503S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 4 | <200 | 80 | 13 | 13 | 690 | 26 |
| 504T | 41 | 35 | 14 | 12 | 9 | 8 | 7 | 3 | 7 | <200 | 125 | 25 | 38 | 1300 | 45 |
| 505T | 8 | <20 | 7 | 12 | 6 | 15 | 12 | 4 | 5 | <200 | 103 | 23 | 36 | 1300 | 42 |
| 506T | 7 | <20 | <5 | 12 | 8 | 14 | 9 | 5 | 5 | <200 | 108 | 18 | 37 | 1400 | 43 |
| 507S | 4 | <20 | <5 | 6 | <5 | 1 | <5 | 3 | 5 | <200 | 94 | 50 | 29 | 870 | 67 |
| 508S | 4 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <200 | 55 | 13 | 6 | 710 | 31 |
| 509T | 51 | 28 | <5 | 8 | <5 | 2 | <5 | <2 | 5 | <200 | 100 | 28 | 33 | 1100 | 76 |
| 510T | 20 | <20 | <5 | 11 | <5 | 7 | <5 | 3 | 6 | <200 | 135 | 25 | 36 | 1400 | 46 |
| 511T | <2 | <20 | <5 | 8 | 6 | 2 | <5 | 3 | 5 | <200 | 103 | 18 | 31 | 1400 | 39 |
| 512T | <2 | <20 | <5 | 7 | 7 | 2 | <5 | 3 | 5 | <200 | 115 | 26 | 34 | 1300 | 42 |
| 513S | 26 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 81 | 23 | 24 | 1300 | 54 |
| 514S | 12 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | 260 | 59 | 19 | 9 | 900 | 69 |
| 515S | 3 | <20 | <5 | 2 | <5 | 1 | <5 | <2 | 2 | <200 | 39 | 8 | 7 | 740 | 18 |
| 516S | 3 | <20 | <5 | 4 | <5 | 1 | <5 | 4 | 4 | <200 | 61 | 18 | 7 | 500 | 79 |
| 517T | 3 | <20 | <5 | 9 | <5 | 4 | <5 | <2 | 6 | <200 | 102 | 24 | 31 | 1300 | 64 |
| 518T | 4 | <20 | 11 | 10 | <5 | 5 | <5 | 3 | 5 | <200 | 123 | 22 | 37 | 1300 | 41 |
| 519T | 6 | <20 | 8 | 15 | <5 | 7 | 5 | 4 | 9 | 250 | 149 | 30 | 59 | 1300 | 46 |
| 520T | <2 | <20 | 10 | 21 | 12 | 3 | <5 | 4 | 7 | <200 | 145 | 28 | 44 | 1200 | 56 |
| 521T | <2 | <20 | <5 | 14 | 9 | 2 | <5 | 6 | 8 | <200 | 136 | 26 | 50 | 1600 | 58 |
| 522S | 2 | <20 | 9 | 7 | <5 | 2 | <5 | <2 | 4 | <200 | 112 | 20 | 26 | 1100 | 62 |
| 523T | 3 | <20 | <5 | 9 | <5 | 3 | <5 | <2 | 5 | <200 | 93 | 22 | 24 | 1100 | 56 |
| 524S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <200 | 38 | 19 | 11 | 520 | 32 |
| 525S | <2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 4 | <200 | 55 | 22 | 10 | 470 | 36 |
| 526S | 3 | <20 | <5 | 4 | <5 | 0 | <5 | 2 | 5 | <200 | 65 | 19 | 8 | 430 | 25 |
| 527S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <200 | 59 | 18 | 10 | 500 | 26 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464S | <5 | <0.2 | 389 | <20 | 24 | 15 | 16 | 82 | 6 | <5 | 7 | <10 | 0.2 | <2 | 14 |
| 465S | <5 | <0.2 | 441 | <20 | 28 | 17 | 17 | 64 | 12 | <5 | 4 | <10 | <0.2 | <2 | 33 |
| 466S | <5 | 0.2 | 421 | 59 | 30 | 21 | 18 | 62 | 12 | <5 | 5 | <10 | <0.2 | <2 | 33 |
| 467S | <5 | <0.2 | 80 | <20 | 14 | <10 | 6 | 55 | 18 | <5 | 11 | <10 | <0.2 | 7 | 23 |
| 468S | <5 | <0.2 | 115 | <20 | 14 | <10 | 6 | <50 | 14 | <5 | 11 | <10 | <0.2 | 4 | 19 |
| 469S | <5 | <0.2 | 992 | 46 | 19 | 14 | 11 | 73 | 18 | <5 | 5 | <10 | <0.2 | <2 | 30 |
| 470S | <5 | <0.2 | 99 | <20 | 13 | <10 | 6 | 58 | 14 | <5 | 6 | <10 | <0.2 | 4 | 17 |
| 471S | <5 | 0.3 | 592 | <20 | 17 | 12 | 11 | <50 | 10 | 6 | 2 | <10 | <0.2 | <2 | 14 |
| 472S | <5 | <0.2 | 182 | <20 | 12 | <10 | 5 | 73 | 10 | <5 | 2 | <10 | <0.2 | 2 | 11 |
| 473S | <5 | <0.2 | 123 | <20 | 31 | 12 | 12 | 100 | 25 | 7 | 8 | <10 | <0.2 | 3 | 38 |
| 474S | <5 | <0.2 | 36 | <20 | 8 | <10 | 4 | 81 | 10 | <5 | 3 | <10 | <0.2 | 6 | 9 |
| 475S | <5 | 0.3 | 56 | <20 | 10 | <10 | 5 | 53 | 14 | 6 | 5 | <10 | <0.2 | 7 | 14 |
| 476S | <5 | <0.2 | 116 | <20 | 28 | 14 | 12 | 89 | 26 | 6 | 5 | <10 | <0.2 | 5 | 42 |
| 477S | <5 | <0.2 | 94 | 28 | 17 | <10 | 7 | 99 | 18 | <5 | 4 | <10 | <0.2 | 5 | 25 |
| 478S | <5 | 0.2 | 227 | 67 | 25 | 12 | 12 | 62 | 21 | 5 | 9 | <10 | <0.2 | 4 | 41 |
| 479S | <5 | 0.2 | 1816 | <20 | 17 | 28 | 22 | <50 | 11 | <5 | 19 | <10 | <0.2 | <2 | 20 |
| 480S | <5 | <0.2 | 127 | <20 | 16 | <10 | 8 | 93 | 18 | <5 | 5 | <10 | <0.2 | 4 | 26 |
| 481S | <5 | <0.2 | 345 | <20 | 17 | 10 | 10 | 60 | 14 | <5 | 2 | <10 | <0.2 | <2 | 17 |
| 482S | <5 | <0.2 | 114 | <20 | 12 | <10 | 6 | <50 | 15 | <5 | 9 | <10 | <0.2 | 6 | 20 |
| 483S | <5 | <0.2 | 34 | <20 | 8 | <10 | 3 | 56 | 11 | <5 | 9 | <10 | <0.2 | 6 | 15 |
| 484S | <5 | 0.2 | 296 | 52 | 38 | 27 | 22 | 64 | 18 | <5 | 9 | <10 | <0.2 | <2 | 33 |
| 485S | <5 | 0.2 | 294 | 54 | 39 | 17 | 20 | 77 | 20 | 6 | 7 | <10 | <0.2 | <2 | 40 |
| 486S | <5 | <0.2 | 206 | 32 | 37 | 22 | 20 | 81 | 19 | 7 | 6 | <10 | <0.2 | <2 | 36 |
| 487S | <5 | <0.2 | 201 | <20 | 25 | 14 | 12 | 74 | 23 | 6 | 2 | <10 | <0.2 | 4 | 27 |
| 488S | <5 | <0.2 | 130 | <20 | 15 | 11 | 7 | <50 | 17 | <5 | 4 | <10 | <0.2 | 5 | 21 |
| 489S | <5 | <0.2 | 175 | 53 | 32 | 14 | 14 | 63 | 29 | 6 | 3 | <10 | <0.2 | 3 | 37 |
| 490S | <5 | <0.2 | 310 | <20 | 37 | 19 | 19 | 81 | 17 | 6 | 8 | <10 | 0.2 | <2 | 31 |
| 491S | <5 | <0.2 | 1950 | <20 | 23 | 15 | 15 | 56 | 12 | 6 | 6 | <10 | 0.3 | <2 | 22 |
| 492S | <5 | <0.2 | 536 | 42 | 29 | 14 | 16 | 110 | 24 | <5 | 4 | <10 | <0.2 | <2 | 43 |
| 493S | <5 | <0.2 | 752 | <20 | 15 | 11 | 11 | <50 | 6 | <5 | 8 | <10 | 0.2 | <2 | 10 |
| 494S | <5 | 0.2 | 400 | <20 | 20 | 17 | 18 | <50 | 14 | <5 | 7 | <10 | <0.2 | 2 | 30 |
| 495S | <5 | <0.2 | 868 | <20 | 23 | 19 | 18 | 70 | 14 | 6 | 5 | <10 | 0.3 | <2 | 27 |
| 496S | <5 | <0.2 | 509 | <20 | 26 | 13 | 14 | 72 | 12 | <5 | 5 | <10 | <0.2 | <2 | 20 |
| 497S | <5 | <0.2 | 866 | <20 | 17 | <10 | 10 | 76 | 19 | <5 | 6 | <10 | <0.2 | <2 | 26 |
| 498S | <5 | <0.2 | 247 | <20 | 20 | 10 | 10 | 55 | 19 | <5 | 8 | <10 | <0.2 | 3 | 27 |
| 499S | <5 | <0.2 | 85 | <20 | 22 | 12 | 9 | 83 | 23 | <5 | 8 | <10 | <0.2 | 6 | 34 |
| 500S | <5 | <0.2 | 51 | <20 | 16 | <10 | 7 | 110 | 18 | <5 | 4 | <10 | <0.2 | 6 | 34 |
| 501S | <5 | <0.2 | 177 | <20 | 33 | 17 | 15 | 85 | 29 | <5 | 3 | <10 | <0.2 | 3 | 41 |
| 502S | <5 | <0.2 | 111 | <20 | 32 | 14 | 14 | 100 | 29 | <5 | 6 | <10 | <0.2 | 4 | 43 |
| 503S | <5 | <0.2 | 167 | 61 | 29 | 13 | 14 | 88 | 28 | <5 | 6 | <10 | <0.2 | 4 | 40 |
| 504T | <5 | <0.2 | 343 | <20 | 32 | 18 | 18 | 64 | 13 | <5 | 5 | <10 | 0.4 | <2 | 28 |
| 505T | <5 | <0.2 | 288 | 51 | 29 | 15 | 16 | 110 | 11 | <5 | 4 | <10 | <0.2 | <2 | 25 |
| 506T | <5 | <0.2 | 314 | 69 | 30 | 23 | 17 | 77 | 11 | <5 | 4 | <10 | <0.2 | <2 | 25 |
| 507S | <5 | 0.2 | 248 | <20 | 25 | 16 | 13 | 73 | 19 | <5 | 12 | <10 | <0.2 | 3 | 35 |
| 508S | <5 | <0.2 | 99 | <20 | 15 | <10 | 6 | 89 | 18 | <5 | 2 | <10 | <0.2 | 5 | 23 |
| 509T | <5 | <0.2 | 705 | <20 | 32 | 21 | 18 | 110 | 14 | <5 | 10 | <10 | <0.2 | <2 | 29 |
| 510T | <5 | 0.2 | 308 | 51 | 32 | 16 | 15 | 50 | 10 | <5 | 7 | <10 | <0.2 | <2 | 20 |
| 511T | <5 | <0.2 | 331 | 44 | 28 | 20 | 16 | 59 | 11 | <5 | 3 | <10 | <0.2 | <2 | 26 |
| 512T | <5 | <0.2 | 340 | <20 | 33 | 19 | 21 | 74 | 17 | <5 | 4 | <10 | <0.2 | <2 | 38 |
| 513S | 6 | <0.2 | 448 | 41 | 31 | 16 | 19 | 85 | 18 | <5 | 4 | <10 | <0.2 | <2 | 49 |
| 514S | <5 | <0.2 | 39 | <20 | 15 | <10 | 7 | 55 | 14 | <5 | 3 | <10 | <0.2 | 5 | 24 |
| 515S | <5 | <0.2 | 48 | 31 | 10 | <10 | 4 | 59 | 13 | <5 | 3 | <10 | <0.2 | 8 | 13 |
| 516S | <5 | <0.2 | 117 | 36 | 15 | <10 | 9 | <50 | 15 | <5 | 3 | <10 | <0.2 | 4 | 26 |
| 517T | <5 | <0.2 | 436 | 68 | 30 | 13 | 16 | 78 | 13 | <5 | 14 | <10 | <0.2 | <2 | 26 |
| 518T | <5 | <0.2 | 362 | 48 | 36 | 21 | 20 | 71 | 14 | <5 | 9 | <10 | <0.2 | <2 | 31 |
| 519T | <5 | 0.3 | 303 | 52 | 41 | 27 | 27 | 66 | 15 | <5 | 9 | <10 | <0.2 | <2 | 32 |
| 520T | <5 | <0.2 | 556 | 30 | 34 | 18 | 20 | 81 | 11 | 6 | 7 | <10 | 0.3 | <2 | 22 |
| 521T | <5 | 0.2 | 342 | 35 | 36 | 23 | 23 | 69 | 14 | <5 | 2 | <10 | <0.2 | <2 | 29 |
| 522S | <5 | <0.2 | 546 | <20 | 24 | 14 | 15 | <50 | 10 | <5 | 9 | <10 | 0.8 | <2 | 20 |
| 523T | <5 | <0.2 | 230 | <20 | 23 | 12 | 11 | <50 | 11 | <5 | 8 | <10 | 0.2 | <2 | 20 |
| 524S | <5 | 0.3 | 182 | <20 | 10 | <10 | 5 | <50 | 12 | <5 | 11 | <10 | 0.3 | 5 | 16 |
| 525S | <5 | <0.2 | 461 | <20 | 16 | <10 | 8 | 55 | 19 | <5 | 8 | <10 | <0.2 | 3 | 25 |
| 526S | <5 | 0.2 | 66 | <20 | 20 | <10 | 9 | 66 | 24 | <5 | 7 | <10 | <0.2 | 6 | 27 |
| 527S | <5 | <0.2 | 200 | <20 | 15 | <10 | 8 | 67 | 19 | <5 | 12 | <10 | <0.2 | 5 | 27 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464S | <20 | 16 | 2 | 3 | 3 | <500 | 2 | 191 | 3.8 | 3.6 | 2.6 | 0.7 | 0.6 | 0.0 |
| 465S | <20 | 15 | 4 | 13 | 5 | 550 | 3 | 34 | 0.8 | 3.6 | 2.8 | 1.8 | 1.5 | 0.1 |
| 466S | <20 | 15 | 3 | 12 | 3 | <500 | 4 | 44 | 1.4 | 3.3 | 2.8 | 2.0 | 1.4 | 0.1 |
| 467S | <20 | 12 | 3 | 16 | 6 | <500 | 0 | 4 | 0.0 | 2.9 | 2.1 | 0.9 | 2.3 | 0.1 |
| 468S | <20 | 14 | 3 | 13 | 7 | <500 | 1 | 3 | 0.0 | 2.8 | 2.2 | 0.8 | 1.9 | 0.0 |
| 469S | <20 | 17 | 4 | 15 | 9 | <500 | 0 | 13 | 0.1 | 3.2 | 3.2 | 1.0 | 1.8 | 0.0 |
| 470S | <20 | 13 | 3 | 15 | 7 | <500 | 1 | 4 | 0.0 | 3.0 | 2.5 | 0.7 | 1.6 | 0.0 |
| 471S | <20 | 17 | 3 | 4 | 9 | <500 | 0 | 12 | 0.1 | 5.2 | 5.0 | 0.5 | 1.1 | 0.0 |
| 472S | <20 | 17 | 3 | 11 | 10 | <500 | 0 | 37 | 0.4 | 2.1 | 1.5 | 0.5 | 1.1 | 0.0 |
| 473S | <20 | 21 | 3 | 11 | 8 | <500 | 5 | 9 | 0.1 | 4.2 | 3.8 | 1.6 | 2.6 | 0.0 |
| 474S | <20 | 14 | 3 | 16 | 8 | <500 | 0 | 2 | 0.0 | 2.4 | 1.7 | 0.3 | 1.2 | 0.0 |
| 475S | <20 | 14 | 3 | 17 | 9 | <500 | 2 | 3 | 0.0 | 3.7 | 3.3 | 0.4 | 1.7 | 0.0 |
| 476S | <20 | 19 | 3 | 13 | 9 | <500 | 3 | 4 | 0.0 | 5.6 | 4.3 | 1.5 | 2.5 | 0.0 |
| 477S | <20 | 15 | 2 | 13 | 6 | <500 | 0 | 4 | 0.0 | 3.3 | 2.6 | 0.9 | 1.7 | 0.0 |
| 478S | <20 | 16 | 5 | 14 | 5 | <500 | 3 | 25 | 0.2 | 4.5 | 3.5 | 1.2 | 3.0 | 0.0 |
| 479S | <20 | 15 | 13 | 16 | 7 | <500 | 10 | 32 | 0.3 | 4.4 | 3.5 | 0.7 | 3.9 | 0.0 |
| 480S | <20 | 16 | 3 | 18 | 6 | <500 | 1 | 3 | 0.0 | 4.3 | 3.3 | 0.9 | 1.9 | 0.0 |
| 481S | <20 | 19 | 4 | 9 | 10 | 740 | 0 | 9 | 0.1 | 2.9 | 2.6 | 0.8 | 1.3 | 0.0 |
| 482S | <20 | 18 | 4 | 20 | 8 | <500 | 0 | 3 | 0.0 | 3.3 | 3.1 | 0.7 | 1.8 | 0.0 |
| 483S | <20 | 13 | 3 | 15 | 6 | 910 | 1 | 3 | 0.0 | 2.2 | 1.6 | 0.4 | 1.9 | 0.0 |
| 484S | <20 | 22 | 5 | 15 | 6 | <500 | 4 | 32 | 0.6 | 4.6 | 3.9 | 2.1 | 2.0 | 0.1 |
| 485S | <20 | 17 | 5 | 18 | 3 | <500 | 4 | 46 | 0.5 | 4.3 | 3.7 | 2.4 | 2.2 | 0.1 |
| 486S | <20 | 18 | 4 | 12 | 5 | <500 | 3 | 27 | 0.6 | 4.1 | 3.9 | 1.8 | 1.8 | 0.1 |
| 487S | <20 | 17 | 3 | 18 | 6 | 630 | 0 | 3 | 0.0 | 4.5 | 4.0 | 1.3 | 1.9 | 0.0 |
| 488S | <20 | 15 | 3 | 15 | 6 | <500 | 0 | 4 | 0.0 | 2.4 | 2.4 | 0.8 | 1.6 | 0.0 |
| 489S | <20 | 20 | 3 | 12 | 7 | 750 | 2 | 4 | 0.0 | 4.7 | 4.6 | 1.6 | 2.2 | 0.0 |
| 490S | <20 | 17 | 5 | 16 | 5 | <500 | 3 | 17 | 0.3 | 4.4 | 3.9 | 1.8 | 1.8 | 0.2 |
| 491S | <20 | 13 | 4 | 13 | 5 | <500 | 3 | 30 | 0.5 | 4.3 | 3.3 | 1.1 | 1.6 | 0.1 |
| 492S | <20 | 19 | 3 | 11 | 4 | <500 | 1 | 28 | 0.4 | 4.5 | 3.5 | 1.7 | 2.2 | 0.0 |
| 493S | <20 | 13 | 4 | 12 | 8 | 700 | 2 | 39 | 0.9 | 3.5 | 2.4 | 0.3 | 1.7 | 0.1 |
| 494S | <20 | 15 | 4 | 19 | 4 | <500 | 4 | 26 | 0.4 | 4.7 | 4.0 | 1.0 | 2.5 | 0.1 |
| 495S | <20 | 15 | 4 | 15 | 4 | <500 | 2 | 16 | 0.4 | 4.2 | 3.6 | 1.0 | 1.6 | 0.1 |
| 496S | <20 | 14 | 4 | 13 | 4 | <500 | 2 | 27 | 0.7 | 3.4 | 2.7 | 1.2 | 1.3 | 0.1 |
| 497S | <20 | 16 | 3 | 18 | 8 | <500 | 0 | 5 | 0.0 | 4.0 | 3.4 | 0.9 | 1.9 | 0.0 |
| 498S | <20 | 15 | 3 | 13 | 7 | <500 | 4 | 5 | 0.0 | 3.3 | 2.9 | 1.0 | 2.4 | 0.0 |
| 499S | <20 | 15 | 3 | 16 | 4 | <500 | 2 | 3 | 0.0 | 4.2 | 3.5 | 1.2 | 2.6 | 0.0 |
| 500S | <20 | 17 | 4 | 16 | 5 | <500 | 0 | 5 | 0.0 | 3.3 | 2.9 | 0.9 | 2.1 | 0.0 |
| 501S | <20 | 18 | 2 | 11 | 5 | <500 | 3 | 7 | 0.0 | 5.0 | 4.6 | 1.6 | 2.4 | 0.0 |
| 502S | <20 | 17 | 3 | 13 | 6 | <500 | 5 | 4 | 0.0 | 4.9 | 4.5 | 1.6 | 2.8 | 0.0 |
| 503S | <20 | 18 | 3 | 13 | 7 | <500 | 4 | 4 | 0.0 | 4.4 | 4.1 | 1.5 | 2.6 | 0.0 |
| 504T | <20 | 18 | 6 | 13 | 6 | <500 | 3 | 106 | 3.4 | 4.3 | 3.0 | 2.0 | 1.4 | 0.1 |
| 505T | <20 | 17 | 5 | 12 | 5 | <500 | 5 | 131 | 3.4 | 3.5 | 2.7 | 1.9 | 1.3 | 0.1 |
| 506T | <20 | 17 | 5 | 12 | 5 | <500 | 5 | 128 | 3.7 | 3.9 | 2.8 | 2.0 | 1.3 | 0.1 |
| 507S | <20 | 19 | 11 | 16 | 5 | <500 | 2 | 33 | 0.5 | 4.2 | 3.2 | 1.3 | 3.0 | 0.1 |
| 508S | <20 | 11 | 3 | 17 | 6 | <500 | 1 | 5 | 0.0 | 2.3 | 2.0 | 0.9 | 1.7 | 0.1 |
| 509T | <20 | 18 | 4 | 15 | 5 | <500 | 3 | 33 | 0.4 | 4.1 | 3.5 | 1.8 | 2.1 | 0.1 |
| 510T | <20 | 17 | 6 | 13 | 6 | <500 | 3 | 37 | 1.3 | 4.1 | 3.0 | 1.5 | 1.3 | 0.1 |
| 511T | <20 | 16 | 5 | 11 | 4 | <500 | 3 | 92 | 2.4 | 3.5 | 2.8 | 2.0 | 1.3 | 0.1 |
| 512T | <20 | 17 | 4 | 14 | 5 | <500 | 3 | 29 | 0.7 | 3.8 | 3.4 | 2.2 | 1.9 | 0.1 |
| 513S | <20 | 15 | 4 | 15 | 6 | <500 | 3 | 17 | 0.2 | 4.1 | 3.9 | 2.1 | 2.2 | 0.1 |
| 514S | <20 | 11 | 4 | 24 | 6 | <500 | 11 | 6 | 0.0 | 2.4 | 2.2 | 0.8 | 2.4 | 0.1 |
| 515S | <20 | 9 | 3 | 23 | 6 | <500 | 1 | 3 | 0.0 | 1.7 | 1.5 | 0.5 | 1.4 | 0.0 |
| 516S | <20 | 9 | 3 | 28 | 6 | <500 | 2 | 9 | 0.1 | 2.4 | 2.5 | 0.9 | 2.4 | 0.0 |
| 517T | <20 | 16 | 5 | 15 | 5 | <500 | 3 | 29 | 0.7 | 3.9 | 3.3 | 1.7 | 1.8 | 0.1 |
| 518T | <20 | 17 | 4 | 12 | 4 | <500 | 3 | 57 | 1.7 | 4.8 | 3.7 | 1.8 | 1.6 | 0.1 |
| 519T | <20 | 17 | 5 | 17 | 3 | <500 | 4 | 20 | 0.5 | 5.2 | 4.4 | 2.1 | 1.7 | 0.1 |
| 520T | <20 | 17 | 5 | 14 | 6 | 530 | 5 | 24 | 0.5 | 4.1 | 3.5 | 1.7 | 1.2 | 0.1 |
| 521T | <20 | 18 | 5 | 14 | 5 | <500 | 9 | 46 | 1.4 | 4.2 | 3.6 | 2.2 | 1.6 | 0.1 |
| 522S | <20 | 13 | 4 | 12 | 5 | 690 | 3 | 62 | 2.0 | 3.2 | 2.6 | 1.4 | 1.3 | 0.1 |
| 523T | <20 | 16 | 4 | 13 | 5 | <500 | 3 | 33 | 0.8 | 3.7 | 2.8 | 1.3 | 1.5 | 0.1 |
| 524S | <20 | 12 | 3 | 15 | 7 | <500 | 2 | 4 | 0.0 | 2.4 | 1.9 | 0.4 | 2.6 | 0.0 |
| 525S | <20 | 15 | 2 | 17 | 5 | <500 | 3 | 6 | 0.0 | 3.6 | 3.4 | 0.8 | 2.4 | 0.0 |
| 526S | <20 | 15 | 3 | 16 | 6 | <500 | 3 | 4 | 0.0 | 4.6 | 4.5 | 1.1 | 2.3 | 0.0 |
| 527S | <20 | 17 | 3 | 16 | 6 | <500 | 2 | 4 | 0.0 | 3.8 | 3.4 | 0.8 | 2.5 | 0.0 |

## Albert River

### Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464S | 0.8 | <0.01 | <0.01 | 78 | 5 | <2 | <100 | 41 | 15 | <0.5 | 0 | 200 | 14 | <5 |
| 465S | 0.9 | <0.01 | <0.01 | 85 | 4 | <2 | <100 | 44 | 19 | <0.5 | 0 | 150 | 11 | <5 |
| 466S | 0.7 | <0.01 | <0.01 | 80 | 4 | 2 | <100 | 40 | 19 | <0.5 | 0 | 130 | 12 | <5 |
| 467S | 1.3 | <0.01 | 0.01 | 53 | 6 | <2 | <100 | 32 | 11 | <0.5 | 0 | 140 | 13 | <5 |
| 468S | 1.6 | <0.01 | 0.01 | 71 | 4 | <2 | <100 | 38 | 16 | <0.5 | 0 | 100 | 9 | <5 |
| 469S | 1.7 | <0.01 | 0.01 | 95 | 4 | <2 | <100 | 50 | 26 | <0.5 | 0 | 130 | 10 | <5 |
| 470S | 1.4 | <0.01 | <0.01 | 79 | 4 | <2 | <100 | 45 | 20 | <0.5 | 0 | 110 | 10 | <5 |
| 471S | 1.2 | <0.01 | <0.01 | 65 | 4 | <2 | <100 | 39 | 24 | <0.5 | 0 | 150 | 9 | <5 |
| 472S | 2.2 | <0.01 | <0.01 | 88 | 5 | <2 | <100 | 52 | 28 | <0.5 | 0 | 120 | 10 | <5 |
| 473S | 1.2 | <0.01 | <0.01 | 110 | 4 | 2 | <100 | 62 | 32 | <0.5 | 0 | 140 | 12 | <5 |
| 474S | 1.6 | <0.01 | <0.01 | 96 | 4 | <2 | <100 | 50 | 29 | <0.5 | 0 | 100 | 11 | <5 |
| 475S | 1.8 | <0.01 | 0.01 | 84 | 3 | <2 | <100 | 46 | 20 | <0.5 | 0 | 99 | 10 | <5 |
| 476S | 1.3 | <0.01 | <0.01 | 110 | 5 | <2 | <100 | 62 | 34 | <0.5 | 0 | 140 | 13 | <5 |
| 477S | 1.4 | <0.01 | <0.01 | 97 | 5 | <2 | <100 | 55 | 28 | <0.5 | 0 | 170 | 13 | <5 |
| 478S | 1.4 | <0.01 | 0.01 | 100 | 4 | <2 | <100 | 46 | 20 | <0.5 | 0 | 98 | 11 | <5 |
| 479S | 1.4 | 0.01 | 0.04 | 78 | 4 | 4 | <100 | 39 | 16 | <0.5 | 0 | 81 | 13 | <5 |
| 480S | 1.5 | <0.01 | 0.01 | 80 | 4 | <2 | <100 | 44 | 22 | <0.5 | 0 | 130 | 11 | <5 |
| 481S | 1.9 | <0.01 | <0.01 | 95 | 3 | <2 | <100 | 50 | 27 | <0.5 | 0 | 98 | 10 | <5 |
| 482S | 1.4 | <0.01 | 0.02 | 83 | 5 | <2 | <100 | 44 | 26 | <0.5 | 0 | 120 | 9 | <5 |
| 483S | 1.5 | <0.01 | <0.01 | 79 | 5 | <2 | <100 | 42 | 21 | <0.5 | 0 | 120 | 10 | <5 |
| 484S | 0.8 | <0.01 | <0.01 | 89 | 7 | <2 | <100 | 53 | 25 | <0.5 | 0 | 170 | 13 | <5 |
| 485S | 0.5 | <0.01 | <0.01 | 54 | 7 | <2 | <100 | 34 | 19 | <0.5 | 0 | 170 | 13 | <5 |
| 486S | 0.7 | <0.01 | <0.01 | 59 | 6 | <2 | <100 | 34 | 17 | <0.5 | 0 | 170 | 13 | <5 |
| 487S | 1.2 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 52 | 29 | <0.5 | 0 | 140 | 12 | <5 |
| 488S | 1.3 | <0.01 | 0.01 | 78 | 4 | <2 | <100 | 47 | 30 | <0.5 | 0 | 130 | 12 | <5 |
| 489S | 1.2 | <0.01 | <0.01 | 100 | 6 | <2 | <100 | 60 | 36 | <0.5 | 0 | 160 | 13 | <5 |
| 490S | 0.8 | <0.01 | <0.01 | 64 | 6 | 2 | <100 | 42 | 22 | <0.5 | 0 | 160 | 14 | <5 |
| 491S | 1.5 | <0.01 | <0.01 | 67 | 4 | <2 | <100 | 38 | 18 | <0.5 | 0 | 110 | 12 | <5 |
| 492S | 0.8 | <0.01 | <0.01 | 33 | 5 | <2 | <100 | 23 | 10 | <0.5 | 0 | 180 | 18 | <5 |
| 493S | 2.4 | <0.01 | 0.02 | 80 | 5 | <2 | <100 | 39 | 17 | <0.5 | 0 | 100 | 11 | <5 |
| 494S | 1.1 | <0.01 | 0.01 | 63 | 4 | <2 | <100 | 32 | 12 | <0.5 | 0 | 110 | 12 | <5 |
| 495S | 1.2 | <0.01 | <0.01 | 76 | 5 | 3 | <100 | 34 | 14 | <0.5 | 0 | 140 | 12 | <5 |
| 496S | 1.3 | <0.01 | <0.01 | 67 | 5 | <2 | <100 | 36 | 18 | <0.5 | 0 | 140 | 12 | <5 |
| 497S | 1.6 | <0.01 | 0.01 | 74 | 4 | <2 | <100 | 47 | 24 | <0.5 | 0 | 140 | 12 | <5 |
| 498S | 1.7 | 0.01 | 0.01 | 64 | 5 | <2 | <100 | 39 | 20 | <0.5 | 0 | 100 | 12 | <5 |
| 499S | 1.2 | <0.01 | <0.01 | 78 | 6 | <2 | <100 | 48 | 25 | <0.5 | 0 | 140 | 13 | <5 |
| 500S | 1.1 | <0.01 | <0.01 | 110 | 5 | <2 | <100 | 60 | 41 | <0.5 | 0 | 170 | 14 | <5 |
| 501S | 1.0 | <0.01 | <0.01 | 90 | 5 | 2 | <100 | 57 | 37 | <0.5 | 0 | 180 | 14 | <5 |
| 502S | 1.1 | <0.01 | <0.01 | 110 | 5 | <2 | <100 | 59 | 36 | <0.5 | 0 | 150 | 13 | <5 |
| 503S | 1.1 | <0.01 | <0.01 | 100 | 5 | <2 | <100 | 60 | 33 | <0.5 | 0 | 180 | 14 | <5 |
| 504T | 0.9 | <0.01 | <0.01 | 79 | 5 | <2 | <100 | 48 | 13 | <0.5 | 0 | 150 | 12 | <5 |
| 505T | 0.7 | <0.01 | <0.01 | 86 | 4 | <2 | <100 | 41 | 14 | <0.5 | 0 | 160 | 10 | <5 |
| 506T | 0.8 | <0.01 | <0.01 | 80 | 6 | <2 | <100 | 47 | 14 | <0.5 | 0 | 160 | 12 | <5 |
| 507S | 1.0 | <0.01 | 0.02 | 63 | 6 | <2 | <100 | 35 | 14 | <0.5 | 0 | 140 | 14 | <5 |
| 508S | 1.0 | <0.01 | 0.01 | 46 | 8 | <2 | <100 | 27 | 17 | <0.5 | 0 | 170 | 15 | <5 |
| 509T | 1.1 | <0.01 | <0.01 | 110 | 4 | 3 | <100 | 61 | 38 | <0.5 | 0 | 140 | 14 | <5 |
| 510T | 0.9 | <0.01 | <0.01 | 73 | 5 | <2 | <100 | 42 | 16 | <0.5 | 0 | 160 | 12 | <5 |
| 511T | 0.8 | <0.01 | <0.01 | 71 | 5 | <2 | <100 | 43 | 14 | <0.5 | 0 | 160 | 11 | <5 |
| 512T | 0.8 | <0.01 | <0.01 | 85 | 5 | <2 | <100 | 49 | 22 | <0.5 | 0 | 160 | 13 | <5 |
| 513S | 0.9 | <0.01 | <0.01 | 110 | 5 | <2 | <100 | 56 | 46 | <0.5 | 0 | 140 | 14 | 5 |
| 514S | 1.5 | <0.01 | 0.02 | 47 | 6 | <2 | <100 | 29 | 14 | <0.5 | 0 | 120 | 10 | <5 |
| 515S | 1.2 | <0.01 | <0.01 | 31 | 5 | <2 | <100 | 25 | 13 | <0.5 | 0 | 120 | 13 | <5 |
| 516S | 2.4 | <0.01 | 0.01 | 54 | 2 | <2 | <100 | 25 | 12 | <0.5 | 0 | 66 | 6 | <5 |
| 517T | 0.9 | <0.01 | <0.01 | 67 | 5 | <2 | <100 | 47 | 24 | <0.5 | 0 | 140 | 13 | <5 |
| 518T | 0.8 | <0.01 | <0.01 | 58 | 6 | <2 | <100 | 37 | 14 | <0.5 | 0 | 160 | 13 | <5 |
| 519T | 0.8 | <0.01 | <0.01 | 71 | 7 | <2 | <100 | 44 | 16 | <0.5 | 0 | 170 | 14 | <5 |
| 520T | 1.0 | <0.01 | <0.01 | 87 | 5 | <2 | <100 | 53 | 17 | <0.5 | 0 | 160 | 12 | <5 |
| 521T | 0.7 | <0.01 | <0.01 | 75 | 5 | <2 | <100 | 46 | 15 | <0.5 | 0 | 150 | 12 | <5 |
| 522S | 0.9 | <0.01 | <0.01 | 71 | 4 | <2 | <100 | 40 | 20 | <0.5 | 0 | 130 | 11 | <5 |
| 523T | 0.9 | <0.01 | <0.01 | 65 | 6 | 2 | <100 | 43 | 17 | <0.5 | 0 | 170 | 13 | <5 |
| 524S | 1.9 | 0.01 | 0.03 | 51 | 4 | <2 | <100 | 36 | 18 | <0.5 | 0 | 81 | 9 | <5 |
| 525S | 1.6 | 0.01 | 0.02 | 66 | 4 | <2 | <100 | 41 | 20 | <0.5 | 1 | 98 | 9 | <5 |
| 526S | 1.5 | <0.01 | 0.01 | 84 | 5 | <2 | <100 | 46 | 26 | <0.5 | 1 | 110 | 10 | <5 |
| 527S | 1.6 | <0.01 | 0.01 | 88 | 4 | <2 | <100 | 47 | 25 | <0.5 | 0 | 110 | 11 | <5 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 464S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 465S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 15 | <5 |
| 466S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 467S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 3 | <5 |
| 468S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 469S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 470S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 471S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 472S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 473S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 3 | <5 |
| 474S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 475S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 0 | <5 |
| 476S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 477S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 478S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| 479S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 480S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 481S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 3 | <5 |
| 482S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 483S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 1 | <5 |
| 484S | <10 | 8 | <200 | 1 | <10 | 1 | <20 | <10 | 16 | <5 |
| 485S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 486S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 487S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 1 | <5 |
| 488S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 0 | <5 |
| 489S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 490S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 15 | <5 |
| 491S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 17 | <5 |
| 492S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 493S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 17 | <5 |
| 494S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 495S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 496S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 497S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 498S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 499S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 500S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 2 | <5 |
| 501S | <10 | 7 | <200 | 2 | <10 | 1 | <20 | <10 | 2 | <5 |
| 502S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 503S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 504T | <10 | 6 | <200 | 2 | <10 | 1 | <20 | <10 | 9 | <5 |
| 505T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 506T | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 507S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 13 | <5 |
| 508S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 509T | <10 | 10 | <200 | 1 | <10 | 1 | <20 | <10 | 32 | <5 |
| 510T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 511T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 512T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 513S | <10 | 8 | <200 | 2 | <10 | 1 | <20 | <10 | 17 | <5 |
| 514S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 515S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 0 | <5 |
| 516S | <10 | 3 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 517T | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 22 | <5 |
| 518T | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 16 | <5 |
| 519T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 520T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 521T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 522S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 20 | <5 |
| 523T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 17 | <5 |
| 524S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 525S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 526S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 1 | <5 |
| 527S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
# Soil/Talus Fines Analyses
# 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528S | <2 | <20 | 6 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 56 | 11 | 10 | 590 | 32 |
| 529S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 4 | <200 | 80 | 16 | 14 | 630 | 78 |
| 530S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <200 | 84 | 6 | 13 | 480 | 11 |
| 531S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | 3 | 4 | <200 | 52 | 16 | 11 | 530 | 40 |
| 532T | <2 | <20 | <5 | 12 | <5 | 2 | <5 | <2 | 6 | 200 | 116 | 31 | 43 | 840 | 34 |
| 533S | 6 | <20 | <5 | 10 | <5 | 5 | <5 | 3 | 6 | <200 | 122 | 23 | 36 | 1300 | 52 |
| 534S | 8 | <20 | 5 | 9 | <5 | 1 | <5 | 3 | 5 | 230 | 120 | 23 | 30 | 1100 | 46 |
| 535S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | 3 | 2 | <200 | 42 | 12 | 6 | 640 | 22 |
| 536S | <2 | <20 | 6 | 5 | 15 | 1 | <5 | 3 | 3 | <200 | 55 | 24 | 27 | 420 | 50 |
| 537S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 98 | 26 | 20 | 860 | 90 |
| 538S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 5 | <200 | 100 | 22 | 17 | 700 | 23 |
| 539S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 4 | <200 | 89 | 51 | 32 | 650 | 53 |
| 540S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 5 | <200 | 98 | 61 | 33 | 680 | 64 |
| 541S | 2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 4 | <200 | 80 | 12 | 9 | 630 | 25 |
| 542S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 4 | <200 | 89 | 39 | 23 | 630 | 66 |
| 543S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | 2 | 4 | <200 | 55 | 19 | 11 | 550 | 32 |
| 544S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 3 | <200 | 73 | 19 | 10 | 600 | 36 |
| 545S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 3 | <200 | 71 | 22 | 15 | 610 | 33 |
| 546S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <200 | 64 | 23 | 9 | 590 | 73 |
| 547S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 4 | <200 | 79 | 8 | 11 | 610 | 12 |
| 548S | <2 | <20 | <5 | 3 | <5 | 0 | <5 | <2 | 3 | <200 | 49 | 10 | 6 | 490 | 22 |
| 549S | <2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 3 | <200 | 89 | 33 | 22 | 740 | 25 |
| 550S | 2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 2 | <200 | 43 | 25 | 9 | 610 | 41 |
| 551S | 4 | <20 | <5 | 10 | <5 | 5 | 5 | <2 | 6 | <200 | 146 | 22 | 38 | 1200 | 48 |
| 552S | 7 | <20 | <5 | 8 | <5 | 3 | <5 | <2 | 3 | <200 | 87 | 22 | 30 | 1100 | 32 |
| 553S | 9 | <20 | <5 | 7 | <5 | 3 | <5 | 2 | 3 | <200 | 99 | 36 | 27 | 1200 | 39 |
| 554S | 3 | <20 | 5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 98 | 14 | 23 | 1000 | 16 |
| 555S | <2 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 4 | <200 | 50 | 13 | 9 | 1100 | 26 |
| 556S | <2 | <20 | <5 | 4 | <5 | 0 | <5 | <2 | 4 | <200 | 104 | 17 | 20 | 1200 | 19 |
| 557S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 78 | 16 | 12 | 890 | 68 |
| 558S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 3 | <200 | 83 | 24 | 15 | 910 | 43 |
| 559S | <2 | <20 | <5 | 2 | <5 | 1 | <5 | <2 | 3 | <200 | 61 | 16 | 20 | 680 | 35 |
| 560S | 4 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 5 | <200 | 97 | 23 | 27 | 1300 | 50 |
| 561S | 3 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 4 | <200 | 101 | 21 | 18 | 1100 | 30 |
| 562S | 4 | <20 | <5 | 5 | <5 | 1 | <5 | 3 | 4 | <200 | 53 | 18 | 9 | 690 | 66 |
| 563S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 5 | <200 | 83 | 39 | 23 | 740 | 47 |
| 564S | 6 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 4 | <200 | 119 | 23 | 29 | 930 | 45 |
| 565S | <2 | <20 | 10 | 7 | <5 | 1 | <5 | <2 | 4 | <200 | 108 | 23 | 24 | 850 | 65 |
| 566T | 47 | 31 | 120 | 27 | 14 | 11 | 7 | 9 | 12 | <200 | 151 | 41 | 39 | 730 | 41 |
| 567T | <2 | <20 | <5 | 7 | 6 | 1 | <5 | <2 | 4 | <200 | 89 | 22 | 24 | 700 | 52 |
| 568S | <2 | <20 | <5 | 6 | 5 | 1 | <5 | 3 | 4 | 200 | 107 | 21 | 15 | 680 | 99 |
| 569T | 4 | <20 | 7 | 8 | <5 | 1 | <5 | <2 | 5 | <200 | 110 | 34 | 40 | 920 | 29 |
| 570T | 2 | <20 | <5 | 7 | 7 | 1 | <5 | 2 | 4 | <200 | 103 | 22 | 42 | 870 | 27 |
| 571T | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 98 | 22 | 36 | 850 | 21 |
| 572T | 3 | <20 | <5 | 14 | 9 | 3 | <5 | 5 | 5 | <200 | 118 | 37 | 36 | 1300 | 41 |
| 573T | 3 | <20 | 7 | 15 | 7 | 3 | <5 | 3 | 6 | <200 | 124 | 29 | 39 | 1100 | 46 |
| 574T | <2 | <20 | 9 | 8 | 8 | 1 | <5 | <2 | 4 | <200 | 87 | 24 | 25 | 830 | 114 |
| 575S | 5 | <20 | <5 | 6 | 7 | 2 | <5 | <2 | 4 | <200 | 183 | 25 | 61 | 750 | 72 |
| 576S | 3 | <20 | <5 | 7 | <5 | 2 | <5 | <2 | 3 | <200 | 86 | 17 | 31 | 1500 | 37 |
| 577S | 3 | <20 | <5 | 7 | <5 | 1 | <5 | 5 | 6 | <200 | 80 | 19 | 18 | 690 | 53 |
| 578S | 3 | <20 | <5 | 7 | <5 | 3 | <5 | 3 | 5 | <200 | 103 | 21 | 21 | 1000 | 50 |
| 579S | 3 | <20 | <5 | 6 | 6 | 1 | <5 | <2 | 4 | <200 | 75 | 20 | 15 | 830 | 70 |
| 580S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 99 | 13 | 22 | 890 | 11 |
| 581S | <2 | <20 | 6 | 6 | 7 | 2 | <5 | <2 | 5 | <200 | 99 | 20 | 24 | 1200 | 59 |
| 582S | <2 | <20 | <5 | 7 | 9 | 1 | <5 | <2 | 4 | <200 | 73 | 20 | 23 | 640 | 44 |
| 583S | <2 | <20 | <5 | 5 | 10 | 2 | <5 | <2 | 4 | <200 | 55 | 21 | 16 | 680 | 63 |
| 584S | 7 | <20 | <5 | 8 | <5 | 2 | <5 | <2 | 4 | <200 | 113 | 23 | 22 | 1200 | 40 |
| 585S | 4 | <20 | <5 | 5 | <5 | 1 | <5 | 3 | 4 | <200 | 109 | 26 | 11 | 930 | 47 |
| 586S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 80 | 18 | 14 | 950 | 59 |
| 587S | <2 | <20 | <5 | 7 | <5 | 3 | <5 | <2 | 4 | <200 | 113 | 24 | 26 | 1100 | 46 |
| 588S | 6 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 105 | 19 | 20 | 1000 | 30 |
| 589S | <2 | <20 | <5 | 5 | <5 | 2 | <5 | <2 | 5 | <200 | 101 | 22 | 19 | 800 | 48 |
| 590S | <2 | <20 | <5 | 9 | <5 | 2 | <5 | <2 | 5 | <200 | 87 | 26 | 20 | 920 | 53 |
| 591T | <2 | <20 | <5 | 15 | <5 | 2 | <5 | 4 | 6 | <200 | 117 | 31 | 46 | 720 | 32 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528S | <5 | <0.2 | 69 | <20 | 18 | 12 | 8 | 79 | 19 | <5 | 15 | <10 | <0.2 | 6 | 28 |
| 529S | <5 | 0.2 | 316 | 28 | 27 | <10 | 11 | 87 | 25 | <5 | 5 | <10 | <0.2 | 4 | 54 |
| 530S | <5 | 0.3 | 105 | 37 | 31 | 12 | 12 | 90 | 29 | <5 | 3 | <10 | <0.2 | 5 | 37 |
| 531S | <5 | <0.2 | 276 | <20 | 15 | <10 | 8 | 51 | 17 | <5 | 8 | <10 | <0.2 | 4 | 24 |
| 532T | <5 | <0.2 | 382 | 43 | 43 | 23 | 23 | 73 | 13 | <5 | 2 | <10 | 0.3 | <2 | 32 |
| 533S | <5 | 0.2 | 311 | 76 | 33 | 16 | 17 | 72 | 14 | <5 | 8 | <10 | <0.2 | <2 | 27 |
| 534S | <5 | <0.2 | 183 | 40 | 26 | 11 | 12 | 69 | 13 | <5 | 8 | <10 | <0.2 | <2 | 21 |
| 535S | <5 | <0.2 | 112 | <20 | 11 | <10 | 5 | 66 | 12 | <5 | 4 | <10 | <0.2 | 4 | 17 |
| 536S | <5 | <0.2 | 989 | 53 | 13 | 13 | 8 | <50 | 13 | <5 | 30 | <10 | <0.2 | <2 | 14 |
| 537S | <5 | <0.2 | 247 | 38 | 31 | 26 | 21 | 83 | 27 | 5 | 1 | <10 | <0.2 | 4 | 55 |
| 538S | <5 | 0.2 | 263 | 32 | 33 | 17 | 16 | 110 | 30 | <5 | 3 | <10 | <0.2 | 5 | 55 |
| 539S | <5 | <0.2 | 275 | <20 | 31 | 31 | 25 | 74 | 25 | <5 | 13 | <10 | <0.2 | 4 | 52 |
| 540S | <5 | <0.2 | 1875 | 21 | 33 | 31 | 30 | 110 | 28 | <5 | 5 | <10 | <0.2 | <2 | 61 |
| 541S | <5 | 0.2 | 206 | <20 | 27 | 12 | 12 | 120 | 24 | 5 | 1 | <10 | <0.2 | 5 | 35 |
| 542S | <5 | <0.2 | 784 | 40 | 31 | 34 | 29 | 97 | 26 | <5 | 0 | <10 | <0.2 | <2 | 50 |
| 543S | <5 | 0.3 | 142 | <20 | 17 | <10 | 8 | 68 | 20 | <5 | 7 | <10 | <0.2 | 5 | 23 |
| 544S | <5 | <0.2 | 621 | <20 | 20 | 13 | 13 | 68 | 20 | <5 | 4 | <10 | <0.2 | <2 | 28 |
| 545S | <5 | <0.2 | 618 | <20 | 23 | 12 | 12 | 110 | 20 | <5 | 10 | <10 | <0.2 | <2 | 31 |
| 546S | <5 | <0.2 | 573 | 43 | 14 | 13 | 9 | 54 | 17 | <5 | 4 | <10 | <0.2 | 3 | 17 |
| 547S | <5 | <0.2 | 123 | <20 | 31 | 11 | 12 | 93 | 26 | <5 | 4 | <10 | <0.2 | 4 | 36 |
| 548S | <5 | <0.2 | 46 | <20 | 15 | <10 | 6 | <50 | 20 | <5 | 8 | <10 | <0.2 | 6 | 22 |
| 549S | <5 | <0.2 | 504 | 37 | 29 | 36 | 30 | 87 | 25 | <5 | 2 | <10 | <0.2 | <2 | 47 |
| 550S | <5 | <0.2 | 507 | <20 | 9 | <10 | 8 | 52 | 4 | <5 | 8 | <10 | <0.2 | <2 | 8 |
| 551S | <5 | <0.2 | 239 | 35 | 31 | 15 | 16 | 53 | 13 | <5 | 9 | <10 | <0.2 | <2 | 29 |
| 552S | <5 | <0.2 | 181 | <20 | 23 | 16 | 14 | 79 | 10 | <5 | 6 | <10 | <0.2 | <2 | 19 |
| 553S | <5 | 0.2 | 146 | 42 | 25 | 16 | 15 | 93 | 12 | <5 | 4 | <10 | 0.2 | <2 | 23 |
| 554S | <5 | <0.2 | 354 | 26 | 33 | 19 | 19 | 98 | 19 | <5 | 5 | <10 | <0.2 | <2 | 53 |
| 555S | <5 | <0.2 | 42 | <20 | 14 | <10 | 8 | 74 | 8 | <5 | 2 | <10 | <0.2 | 4 | 12 |
| 556S | <5 | <0.2 | 693 | <20 | 35 | 24 | 23 | 99 | 22 | <5 | 6 | <10 | <0.2 | <2 | 55 |
| 557S | <5 | <0.2 | 221 | <20 | 23 | 14 | 15 | 76 | 13 | <5 | 9 | <10 | <0.2 | 4 | 33 |
| 558S | <5 | <0.2 | 805 | <20 | 19 | 14 | 14 | 63 | 4 | <5 | 6 | <10 | <0.2 | <2 | 7 |
| 559S | <5 | <0.2 | 295 | <20 | 19 | 11 | 11 | 81 | 9 | <5 | 5 | <10 | <0.2 | <2 | 18 |
| 560S | <5 | <0.2 | 667 | <20 | 39 | 28 | 25 | 110 | 17 | <5 | 5 | <10 | <0.2 | <2 | 36 |
| 561S | <5 | <0.2 | 534 | <20 | 30 | 19 | 20 | 98 | 16 | <5 | 7 | <10 | <0.2 | <2 | 36 |
| 562S | <5 | <0.2 | 714 | <20 | 12 | <10 | 10 | <50 | 8 | <5 | 3 | <10 | <0.2 | <2 | 19 |
| 563S | <5 | 0.3 | 231 | 34 | 26 | 32 | 28 | 100 | 19 | <5 | 8 | <10 | <0.2 | 2 | 72 |
| 564S | <5 | 0.2 | 774 | 30 | 29 | 17 | 17 | 70 | 13 | <5 | 8 | <10 | <0.2 | <2 | 37 |
| 565S | <5 | <0.2 | 584 | 25 | 29 | 15 | 16 | 61 | 14 | <5 | 7 | <10 | <0.2 | <2 | 38 |
| 566T | <5 | 0.4 | 409 | 48 | 45 | 27 | 30 | 83 | 16 | <5 | 5 | <10 | <0.2 | <2 | 37 |
| 567T | <5 | <0.2 | 678 | 44 | 19 | 25 | 21 | 63 | 11 | <5 | 13 | <10 | <0.2 | <2 | 25 |
| 568S | <5 | <0.2 | 477 | <20 | 18 | 11 | 10 | 57 | 12 | <5 | 12 | <10 | <0.2 | 3 | 29 |
| 569T | <5 | <0.2 | 384 | 75 | 33 | 25 | 22 | 70 | 19 | <5 | 3 | <10 | <0.2 | <2 | 43 |
| 570T | <5 | <0.2 | 388 | <20 | 35 | 23 | 25 | 81 | 21 | <5 | 3 | <10 | <0.2 | <2 | 48 |
| 571T | <5 | <0.2 | 232 | 28 | 32 | 21 | 19 | 83 | 20 | <5 | 6 | <10 | <0.2 | <2 | 43 |
| 572T | <5 | <0.2 | 439 | 42 | 30 | 18 | 17 | <50 | 11 | <5 | 7 | <10 | 0.2 | <2 | 22 |
| 573T | <5 | <0.2 | 566 | 57 | 32 | 24 | 20 | 68 | 12 | <5 | 7 | <10 | <0.2 | <2 | 24 |
| 574T | <5 | <0.2 | 457 | <20 | 21 | <10 | 12 | <50 | 11 | <5 | 17 | <10 | <0.2 | 2 | 26 |
| 575S | <5 | 0.2 | 927 | 53 | 23 | 15 | 17 | 51 | 14 | <5 | 25 | <10 | 1.3 | <2 | 30 |
| 576S | <5 | <0.2 | 537 | <20 | 22 | 19 | 19 | 89 | 10 | <5 | 13 | <10 | <0.2 | <2 | 21 |
| 577S | <5 | <0.2 | 713 | <20 | 20 | 13 | 17 | 58 | 12 | <5 | 8 | <10 | <0.2 | <2 | 27 |
| 578S | <5 | <0.2 | 304 | <20 | 24 | 15 | 15 | 64 | 14 | <5 | 12 | <10 | <0.2 | 3 | 35 |
| 579S | <5 | <0.2 | 335 | <20 | 19 | <10 | 12 | 54 | 11 | <5 | 7 | <10 | <0.2 | 3 | 23 |
| 580S | <5 | <0.2 | 224 | <20 | 36 | 19 | 21 | 110 | 24 | <5 | 2 | <10 | <0.2 | <2 | 49 |
| 581S | <5 | <0.2 | 775 | <20 | 26 | 15 | 18 | <50 | 14 | <5 | 8 | <10 | <0.2 | <2 | 31 |
| 582S | <5 | <0.2 | 641 | <20 | 25 | 13 | 15 | 69 | 14 | <5 | 11 | <10 | <0.2 | <2 | 38 |
| 583S | <5 | <0.2 | 328 | <20 | 15 | 11 | 10 | <50 | 9 | <5 | 17 | <10 | <0.2 | 3 | 23 |
| 584S | <5 | <0.2 | 177 | 32 | 28 | 14 | 14 | 53 | 13 | <5 | 5 | <10 | 0.2 | <2 | 30 |
| 585S | <5 | <0.2 | 346 | <20 | 19 | <10 | 10 | 60 | 12 | <5 | 8 | <10 | <0.2 | 2 | 26 |
| 586S | <5 | <0.2 | 467 | 23 | 24 | 13 | 13 | 83 | 19 | <5 | 5 | <10 | <0.2 | <2 | 33 |
| 587S | <5 | <0.2 | 218 | 43 | 31 | 14 | 16 | 69 | 13 | <5 | 6 | <10 | <0.2 | <2 | 31 |
| 588S | <5 | <0.2 | 402 | 36 | 25 | 16 | 16 | 66 | 11 | <5 | 6 | <10 | <0.2 | <2 | 26 |
| 589S | <5 | <0.2 | 446 | 31 | 23 | 12 | 15 | 58 | 11 | <5 | 12 | <10 | <0.2 | <2 | 25 |
| 590S | <5 | <0.2 | 470 | 51 | 28 | 16 | 17 | 86 | 15 | <5 | 8 | <10 | <0.2 | <2 | 36 |
| 591T | <5 | 0.3 | 494 | 57 | 45 | 27 | 28 | 82 | 13 | <5 | 5 | <10 | <0.2 | <2 | 33 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528S | <20 | 13 | 3 | 19 | 6 | <500 | 4 | 4 | 0.0 | 3.9 | 3.3 | 1.0 | 3.2 | 0.0 |
| 529S | <20 | 15 | 5 | 19 | 5 | <500 | 1 | 14 | 0.1 | 3.7 | 3.2 | 1.4 | 2.9 | 0.0 |
| 530S | <20 | 19 | 3 | 15 | 8 | <500 | 2 | 3 | 0.0 | 4.7 | 4.5 | 1.7 | 2.2 | 0.0 |
| 531S | <20 | 14 | 3 | 18 | 7 | <500 | 3 | 4 | 0.0 | 2.8 | 2.6 | 0.8 | 2.4 | 0.0 |
| 532T | <20 | 16 | 3 | 11 | 4 | <500 | 8 | 12 | 0.3 | 5.3 | 3.9 | 1.8 | 1.4 | 0.2 |
| 533S | <20 | 17 | 4 | 16 | 5 | <500 | 3 | 25 | 0.6 | 4.2 | 3.4 | 1.9 | 1.7 | 0.1 |
| 534S | <20 | 15 | 4 | 12 | 5 | <500 | 3 | 42 | 1.1 | 3.2 | 2.8 | 1.4 | 1.4 | 0.1 |
| 535S | <20 | 14 | 3 | 15 | 7 | 650 | 0 | 4 | 0.0 | 2.1 | 2.0 | 0.6 | 1.3 | 0.0 |
| 536S | <20 | 10 | 9 | 12 | 6 | <500 | 12 | 139 | 1.2 | 3.0 | 2.0 | 0.4 | 3.8 | 0.0 |
| 537S | <20 | 13 | 3 | 15 | 3 | <500 | 0 | 8 | 0.0 | 4.9 | 4.2 | 1.6 | 2.4 | 0.0 |
| 538S | <20 | 13 | 2 | 14 | 3 | <500 | 0 | 3 | 0.0 | 5.3 | 4.7 | 1.7 | 2.6 | 0.0 |
| 539S | <20 | 19 | 11 | 11 | 4 | <500 | 0 | 41 | 0.4 | 5.2 | 4.2 | 1.4 | 2.8 | 0.0 |
| 540S | <20 | 17 | 4 | 12 | 4 | <500 | 0 | 35 | 0.3 | 5.1 | 4.3 | 1.8 | 2.5 | 0.0 |
| 541S | <20 | 11 | 2 | 18 | 5 | <500 | 0 | 3 | 0.0 | 4.8 | 3.8 | 1.4 | 1.9 | 0.0 |
| 542S | <20 | 14 | 3 | 14 | 5 | <500 | 0 | 11 | 0.1 | 6.1 | 3.8 | 1.5 | 2.3 | 0.0 |
| 543S | <20 | 13 | 3 | 14 | 7 | <500 | 2 | 7 | 0.1 | 4.4 | 4.1 | 0.9 | 2.0 | 0.0 |
| 544S | <20 | 15 | 3 | 14 | 6 | <500 | 0 | 15 | 0.1 | 3.2 | 3.1 | 1.2 | 1.7 | 0.0 |
| 545S | <20 | 21 | 4 | 9 | 9 | <500 | 1 | 49 | 0.4 | 3.6 | 2.7 | 1.3 | 1.7 | 0.0 |
| 546S | <20 | 13 | 2 | 18 | 6 | <500 | 0 | 18 | 0.2 | 3.2 | 2.5 | 0.8 | 1.5 | 0.0 |
| 547S | <20 | 20 | 3 | 11 | 8 | <500 | 2 | 6 | 0.0 | 4.3 | 3.8 | 1.6 | 2.2 | 0.0 |
| 548S | <20 | 14 | 3 | 13 | 6 | <500 | 2 | 3 | 0.0 | 3.6 | 3.0 | 0.8 | 1.7 | 0.0 |
| 549S | <20 | 20 | 3 | 14 | 3 | <500 | 0 | 17 | 0.2 | 4.7 | 3.9 | 1.5 | 2.2 | 0.0 |
| 550S | <20 | 13 | 3 | 12 | 6 | 900 | 1 | 85 | 1.1 | 2.4 | 1.8 | 0.1 | 1.2 | 0.0 |
| 551S | <20 | 17 | 4 | 15 | 5 | <500 | 4 | 22 | 0.5 | 3.8 | 3.4 | 1.8 | 1.6 | 0.1 |
| 552S | <20 | 16 | 5 | 9 | 5 | <500 | 2 | 37 | 0.8 | 3.7 | 2.5 | 1.2 | 1.1 | 0.1 |
| 553S | <20 | 16 | 5 | 11 | 5 | <500 | 2 | 33 | 0.7 | 3.8 | 2.6 | 1.4 | 1.3 | 0.1 |
| 554S | <20 | 16 | 3 | 7 | 3 | <500 | 3 | 174 | 2.8 | 4.7 | 3.5 | 1.7 | 1.8 | 0.0 |
| 555S | <20 | 11 | 3 | 15 | 4 | <500 | 2 | 4 | 0.0 | 3.3 | 2.9 | 0.3 | 0.9 | 0.0 |
| 556S | <20 | 20 | 3 | 8 | 4 | <500 | 2 | 47 | 0.6 | 4.8 | 3.9 | 1.8 | 1.8 | 0.0 |
| 557S | <20 | 13 | 2 | 17 | 4 | <500 | 4 | 18 | 0.2 | 4.9 | 4.0 | 0.6 | 2.6 | 0.0 |
| 558S | <20 | 12 | 3 | 6 | 5 | <500 | 2 | 53 | 0.7 | 3.4 | 3.0 | 0.1 | 0.7 | 0.0 |
| 559S | <20 | 11 | 3 | 10 | 3 | 500 | 2 | 76 | 1.2 | 2.9 | 2.0 | 0.6 | 1.0 | 0.0 |
| 560S | <20 | 18 | 4 | 9 | 4 | <500 | 3 | 15 | 0.1 | 4.9 | 4.5 | 1.2 | 1.8 | 0.0 |
| 561S | <20 | 16 | 3 | 10 | 4 | 530 | 3 | 14 | 0.1 | 4.6 | 3.9 | 1.2 | 1.9 | 0.0 |
| 562S | <20 | 10 | 4 | 18 | 4 | <500 | 1 | 13 | 0.4 | 2.9 | 2.1 | 0.9 | 1.0 | 0.1 |
| 563S | <20 | 22 | 4 | 13 | 4 | <500 | 4 | 71 | 1.1 | 5.7 | 4.5 | 2.1 | 2.7 | 0.0 |
| 564S | <20 | 15 | 4 | 13 | 5 | <500 | 2 | 25 | 0.4 | 4.3 | 3.3 | 1.8 | 1.7 | 0.1 |
| 565S | <20 | 14 | 5 | 15 | 3 | <500 | 3 | 29 | 0.4 | 3.9 | 3.3 | 1.6 | 1.9 | 0.1 |
| 566T | <20 | 20 | 5 | 19 | 5 | <500 | 5 | 19 | 0.3 | 5.5 | 4.7 | 1.9 | 1.7 | 0.1 |
| 567T | <20 | 13 | 5 | 17 | 3 | <500 | 3 | 13 | 0.4 | 4.4 | 3.3 | 1.2 | 2.9 | 0.0 |
| 568S | <20 | 11 | 4 | 23 | 5 | <500 | 2 | 15 | 0.3 | 3.5 | 2.7 | 1.1 | 2.9 | 0.1 |
| 569T | <20 | 17 | 3 | 12 | 4 | <500 | 4 | 22 | 0.8 | 4.5 | 3.6 | 2.3 | 2.0 | 0.1 |
| 570T | <20 | 19 | 3 | 11 | 4 | <500 | 5 | 28 | 1.1 | 4.7 | 3.9 | 2.4 | 2.2 | 0.1 |
| 571T | <20 | 19 | 3 | 11 | 3 | <500 | 4 | 11 | 0.3 | 4.5 | 3.7 | 2.3 | 2.1 | 0.1 |
| 572T | <20 | 19 | 4 | 12 | 5 | <500 | 3 | 22 | 0.6 | 4.1 | 3.1 | 1.7 | 1.2 | 0.1 |
| 573T | <20 | 19 | 4 | 11 | 6 | <500 | 4 | 20 | 0.5 | 4.3 | 3.6 | 1.7 | 1.3 | 0.1 |
| 574T | <20 | 12 | 4 | 19 | 5 | <500 | 8 | 31 | 0.5 | 4.2 | 3.2 | 1.1 | 3.4 | 0.1 |
| 575S | <20 | 14 | 5 | 20 | 4 | <500 | 4 | 31 | 0.8 | 4.4 | 3.0 | 1.6 | 2.4 | 0.0 |
| 576S | <20 | 17 | 4 | 8 | 4 | <500 | 2 | 27 | 0.7 | 4.4 | 2.6 | 1.2 | 1.2 | 0.0 |
| 577S | <20 | 12 | 4 | 16 | 4 | <500 | 0 | 6 | 0.1 | 3.8 | 3.3 | 1.5 | 2.0 | 0.1 |
| 578S | <20 | 16 | 7 | 16 | 5 | <500 | 2 | 20 | 0.2 | 4.7 | 3.6 | 1.4 | 2.9 | 0.1 |
| 579S | <20 | 13 | 3 | 18 | 6 | <500 | 3 | 9 | 0.1 | 3.5 | 2.9 | 1.0 | 2.5 | 0.1 |
| 580S | <20 | 14 | 2 | 8 | 4 | <500 | 3 | 22 | 0.3 | 5.1 | 4.5 | 1.7 | 2.1 | 0.0 |
| 581S | <20 | 15 | 4 | 14 | 4 | 610 | 2 | 10 | 0.2 | 4.1 | 3.6 | 1.6 | 2.1 | 0.0 |
| 582S | <20 | 15 | 7 | 14 | 5 | <500 | 3 | 14 | 0.2 | 3.9 | 3.1 | 1.9 | 2.8 | 0.1 |
| 583S | <20 | 11 | 8 | 17 | 5 | <500 | 3 | 15 | 0.3 | 3.2 | 2.4 | 0.7 | 3.0 | 0.0 |
| 584S | <20 | 14 | 4 | 11 | 5 | <500 | 3 | 31 | 0.6 | 3.4 | 2.7 | 1.5 | 1.4 | 0.1 |
| 585S | <20 | 12 | 4 | 15 | 5 | <500 | 3 | 27 | 0.5 | 3.4 | 2.4 | 1.1 | 1.7 | 0.1 |
| 586S | <20 | 13 | 3 | 16 | 4 | 530 | 0 | 12 | 0.2 | 3.7 | 2.9 | 1.2 | 1.6 | 0.1 |
| 587S | <20 | 14 | 4 | 13 | 4 | <500 | 4 | 39 | 0.7 | 3.3 | 2.9 | 1.8 | 1.5 | 0.1 |
| 588S | <20 | 13 | 3 | 7 | 3 | <500 | 4 | 55 | 0.9 | 3.5 | 2.9 | 1.2 | 1.1 | 0.0 |
| 589S | <20 | 12 | 6 | 8 | 5 | <500 | 4 | 62 | 0.9 | 3.2 | 2.6 | 1.0 | 1.2 | 0.0 |
| 590S | <20 | 17 | 5 | 14 | 6 | <500 | 3 | 32 | 0.6 | 4.6 | 3.4 | 1.5 | 1.8 | 0.1 |
| 591T | <20 | 15 | 3 | 10 | 4 | 540 | 6 | 13 | 0.3 | 5.4 | 4.1 | 1.8 | 1.3 | 0.2 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 528S | 1.5 | 0.01 | 0.02 | 72 | 3 | <2 | <100 | 42 | 23 | <0.5 | 1 | 110 | 10 | <5 |
| 529S | 1.3 | <0.01 | 0.01 | 84 | 7 | <2 | <100 | 49 | 30 | <0.5 | 0 | 130 | 12 | <5 |
| 530S | 1.3 | <0.01 | <0.01 | 110 | 4 | <2 | <100 | 60 | 37 | <0.5 | 0 | 110 | 10 | <5 |
| 531S | 1.8 | 0.01 | 0.01 | 87 | 3 | <2 | <100 | 41 | 24 | <0.5 | 0 | 100 | 9 | <5 |
| 532T | 0.7 | <0.01 | 0.03 | 74 | 6 | <2 | <100 | 51 | 27 | <0.5 | 0 | 160 | 15 | <5 |
| 533S | 0.8 | <0.01 | <0.01 | 78 | 6 | <2 | <100 | 44 | 22 | <0.5 | 0 | 160 | 13 | <5 |
| 534S | 0.9 | <0.01 | <0.01 | 66 | 4 | <2 | <100 | 36 | 17 | <0.5 | 0 | 130 | 12 | <5 |
| 535S | 1.5 | <0.01 | <0.01 | 71 | 6 | <2 | <100 | 41 | 25 | <0.5 | 0 | 120 | 9 | <5 |
| 536S | 1.4 | 0.02 | 0.06 | 60 | 3 | <2 | <100 | 30 | 15 | <0.5 | 0 | 54 | 11 | <5 |
| 537S | 1.0 | <0.01 | <0.01 | 35 | 8 | <2 | <100 | 23 | 0 | <0.5 | 1 | 180 | 17 | <5 |
| 538S | 0.8 | <0.01 | <0.01 | 31 | 9 | <2 | <100 | 22 | 0 | <0.5 | 1 | 170 | 18 | <5 |
| 539S | 0.8 | <0.01 | <0.01 | 58 | 7 | 2 | <100 | 34 | 4 | <0.5 | 1 | 140 | 15 | <5 |
| 540S | 1.0 | <0.01 | <0.01 | 42 | 7 | <2 | <100 | 22 | 0 | <0.5 | 0 | 170 | 18 | <5 |
| 541S | 0.9 | <0.01 | <0.01 | 52 | 6 | <2 | <100 | 32 | 3 | <0.5 | 1 | 170 | 18 | <5 |
| 542S | 1.2 | <0.01 | <0.01 | 63 | 6 | <2 | <100 | 35 | 2 | 0.5 | 0 | 150 | 21 | <5 |
| 543S | 1.4 | <0.01 | 0.01 | 76 | 4 | <2 | <100 | 42 | 21 | <0.5 | 1 | 87 | 9 | <5 |
| 544S | 1.4 | <0.01 | <0.01 | 64 | 4 | <2 | <100 | 42 | 23 | <0.5 | 0 | 140 | 10 | <5 |
| 545S | 1.2 | <0.01 | <0.01 | 89 | 6 | 3 | <100 | 50 | 25 | <0.5 | 0 | 120 | 12 | <5 |
| 546S | 1.3 | <0.01 | <0.01 | 75 | 6 | <2 | <100 | 43 | 21 | <0.5 | 0 | 120 | 11 | <5 |
| 547S | 1.4 | <0.01 | <0.01 | 110 | 4 | <2 | <100 | 58 | 32 | <0.5 | 0 | 130 | 11 | <5 |
| 548S | 1.3 | <0.01 | <0.01 | 80 | 5 | <2 | <100 | 48 | 16 | <0.5 | 1 | 85 | 9 | <5 |
| 549S | 0.9 | <0.01 | <0.01 | 34 | 5 | <2 | <100 | 24 | 3 | <0.5 | 0 | 120 | 15 | <5 |
| 550S | 2.6 | <0.01 | 0.02 | 48 | 4 | <2 | <100 | 28 | 8 | <0.5 | 0 | 110 | 9 | <5 |
| 551S | 0.9 | <0.01 | <0.01 | 69 | 6 | <2 | <100 | 43 | 17 | <0.5 | 0 | 170 | 13 | <5 |
| 552S | 1.0 | <0.01 | <0.01 | 63 | 4 | <2 | <100 | 38 | 10 | <0.5 | 0 | 130 | 13 | <5 |
| 553S | 0.9 | <0.01 | <0.01 | 66 | 5 | <2 | <100 | 36 | 11 | <0.5 | 0 | 170 | 12 | <5 |
| 554S | 0.8 | <0.01 | <0.01 | 30 | 6 | <2 | <100 | 21 | 7 | <0.5 | 0 | 190 | 16 | <5 |
| 555S | 1.0 | <0.01 | 0.01 | 38 | 7 | <2 | <100 | 25 | 9 | <0.5 | 0 | 140 | 11 | <5 |
| 556S | 0.9 | <0.01 | <0.01 | 29 | 6 | <2 | <100 | 20 | 7 | 0.6 | 0 | 170 | 20 | <5 |
| 557S | 1.5 | 0.01 | 0.02 | 44 | 3 | <2 | <100 | 24 | 10 | <0.5 | 1 | 90 | 12 | <5 |
| 558S | 1.6 | <0.01 | <0.01 | 58 | 5 | <2 | <100 | 37 | 20 | <0.5 | 0 | 150 | 12 | <5 |
| 559S | 0.9 | <0.01 | <0.01 | 45 | 5 | <2 | <100 | 24 | 7 | <0.5 | 0 | 100 | 10 | <5 |
| 560S | 1.1 | <0.01 | 0.01 | 42 | 5 | 2 | <100 | 27 | 14 | 0.6 | 0 | 190 | 20 | 6 |
| 561S | 1.2 | <0.01 | 0.02 | 31 | 5 | <2 | <100 | 20 | 9 | <0.5 | 0 | 150 | 16 | <5 |
| 562S | 1.4 | <0.01 | <0.01 | 70 | 5 | <2 | <100 | 35 | 15 | <0.5 | 0 | 96 | 9 | <5 |
| 563S | 0.5 | <0.01 | <0.01 | 220 | 6 | <2 | <100 | 90 | 64 | <0.5 | 0 | 110 | 14 | <5 |
| 564S | 1.0 | <0.01 | <0.01 | 95 | 4 | <2 | <100 | 51 | 29 | <0.5 | 0 | 150 | 16 | <5 |
| 565S | 1.0 | <0.01 | 0.01 | 71 | 5 | <2 | <100 | 40 | 23 | <0.5 | 0 | 120 | 14 | <5 |
| 566T | 0.6 | <0.01 | <0.01 | 100 | 8 | <2 | <100 | 60 | 27 | <0.5 | 0 | 190 | 16 | <5 |
| 567T | 0.8 | <0.01 | 0.03 | 79 | 5 | <2 | <100 | 40 | 17 | <0.5 | 0 | 130 | 14 | <5 |
| 568S | 1.3 | 0.01 | 0.03 | 89 | 5 | <2 | <100 | 41 | 17 | <0.5 | 1 | 120 | 10 | <5 |
| 569T | 0.6 | <0.01 | <0.01 | 89 | 5 | <2 | <100 | 54 | 20 | <0.5 | 0 | 160 | 13 | <5 |
| 570T | 0.6 | <0.01 | <0.01 | 96 | 6 | <2 | <100 | 60 | 21 | <0.5 | 0 | 180 | 16 | <5 |
| 571T | 0.6 | <0.01 | <0.01 | 93 | 5 | <2 | <100 | 58 | 20 | <0.5 | 0 | 180 | 15 | <5 |
| 572T | 0.9 | <0.01 | <0.01 | 89 | 5 | <2 | <100 | 55 | 19 | <0.5 | 0 | 160 | 12 | <5 |
| 573T | 0.9 | <0.01 | <0.01 | 95 | 6 | <2 | <100 | 57 | 22 | <0.5 | 0 | 160 | 12 | <5 |
| 574T | 1.4 | 0.02 | 0.06 | 77 | 4 | <2 | <100 | 43 | 20 | <0.5 | 1 | 150 | 12 | <5 |
| 575S | 0.7 | <0.01 | 0.02 | 67 | 6 | 3 | <100 | 45 | 19 | <0.5 | 0 | 120 | 16 | <5 |
| 576S | 0.8 | <0.01 | <0.01 | 53 | 5 | <2 | <100 | 31 | 11 | <0.5 | 0 | 190 | 17 | <5 |
| 577S | 0.9 | <0.01 | 0.01 | 83 | 5 | <2 | <100 | 31 | 12 | <0.5 | 0 | 96 | 9 | <5 |
| 578S | 1.1 | <0.01 | 0.03 | 100 | 6 | 2 | <100 | 56 | 34 | <0.5 | 0 | 150 | 15 | <5 |
| 579S | 1.4 | <0.01 | 0.03 | 70 | 4 | 2 | <100 | 39 | 16 | <0.5 | 0 | 130 | 12 | <5 |
| 580S | 0.8 | <0.01 | <0.01 | 22 | 6 | <2 | <100 | 12 | 3 | <0.5 | 0 | 190 | 16 | <5 |
| 581S | 1.0 | <0.01 | <0.01 | 71 | 5 | <2 | <100 | 41 | 19 | <0.5 | 0 | 170 | 14 | <5 |
| 582S | 1.2 | <0.01 | 0.02 | 150 | 4 | <2 | <100 | 44 | 30 | <0.5 | 0 | 100 | 12 | <5 |
| 583S | 1.2 | <0.01 | 0.03 | 77 | 5 | 2 | <100 | 40 | 20 | <0.5 | 0 | 110 | 10 | <5 |
| 584S | 1.0 | <0.01 | <0.01 | 70 | 5 | <2 | <100 | 39 | 17 | <0.5 | 0 | 120 | 12 | <5 |
| 585S | 1.3 | <0.01 | 0.02 | 62 | 5 | <2 | <100 | 36 | 12 | <0.5 | 0 | 110 | 11 | <5 |
| 586S | 1.0 | <0.01 | <0.01 | 44 | 6 | <2 | <100 | 26 | 9 | <0.5 | 0 | 150 | 15 | <5 |
| 587S | 0.8 | <0.01 | <0.01 | 66 | 5 | <2 | <100 | 38 | 17 | <0.5 | 0 | 130 | 13 | <5 |
| 588S | 1.0 | <0.01 | <0.01 | 50 | 5 | <2 | <100 | 29 | 12 | <0.5 | 0 | 150 | 14 | <5 |
| 589S | 1.2 | <0.01 | <0.01 | 45 | 5 | <2 | <100 | 26 | 12 | <0.5 | 0 | 110 | 12 | <5 |
| 590S | 1.1 | <0.01 | <0.01 | 67 | 4 | <2 | <100 | 36 | 13 | <0.5 | 0 | 120 | 13 | <5 |
| 591T | 0.7 | <0.01 | 0.02 | 84 | 5 | <2 | <100 | 46 | 24 | <0.5 | 0 | 160 | 14 | <5 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 528S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 2 | <5 |
| 529S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 4 | <5 |
| 530S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 531S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 2 | <5 |
| 532T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 533S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 15 | <5 |
| 534S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 535S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 1 | <5 |
| 536S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 20 | 5 |
| 537S | <10 | 3 | <200 | 2 | <10 | 0 | <20 | <10 | 1 | <5 |
| 538S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 539S | <10 | 7 | <200 | 1 | <10 | 2 | <20 | <10 | 14 | <5 |
| 540S | <10 | 4 | <200 | 1 | <10 | 1 | <20 | <10 | 5 | <5 |
| 541S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 0 | <5 |
| 542S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 543S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 544S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 545S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 546S | <10 | 5 | <200 | 1 | <10 | 1 | <20 | <10 | 1 | <5 |
| 547S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 2 | <5 |
| 548S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 0 | <5 |
| 549S | <10 | 3 | <200 | 2 | <10 | 0 | <20 | <10 | 4 | <5 |
| 550S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 551S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 16 | <5 |
| 552S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 553S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 554S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 555S | <10 | 3 | <200 | 1 | <10 | 0 | <20 | <10 | 1 | <5 |
| 556S | <10 | 4 | <200 | 2 | <10 | 1 | <20 | <10 | 12 | <5 |
| 557S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 558S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 559S | <10 | 3 | <200 | 2 | <10 | 0 | <20 | <10 | 5 | <5 |
| 560S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 20 | <5 |
| 561S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 562S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 563S | <10 | 10 | <200 | 0 | <10 | 1 | <20 | <10 | 12 | <5 |
| 564S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 20 | <5 |
| 565S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 17 | <5 |
| 566T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 17 | <5 |
| 567T | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 22 | <5 |
| 568S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 569T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 570T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 571T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 572T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 573T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 574T | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 19 | <5 |
| 575S | <10 | 8 | <200 | 1 | <10 | 0 | <20 | <10 | 34 | 6 |
| 576S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 23 | <5 |
| 577S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 578S | <10 | 9 | <200 | 0 | <10 | 1 | <20 | <10 | 24 | <5 |
| 579S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 580S | <10 | 2 | <200 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| 581S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 22 | <5 |
| 582S | <10 | 9 | <200 | 1 | <10 | 1 | <20 | <10 | 18 | <5 |
| 583S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 15 | <5 |
| 584S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 585S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 586S | <10 | 3 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 587S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 588S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 589S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 13 | <5 |
| 590S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 12 | <5 |
| 591T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 592T | 3 | <20 | <5 | 17 | 8 | 3 | <5 | 3 | 6 | <200 | 138 | 100 | 58 | 750 | 36 |
| 593T | 4 | <20 | <5 | 17 | 13 | 2 | <5 | 3 | 6 | 230 | 153 | 92 | 76 | 710 | 34 |
| 594T | 5 | <20 | <5 | 21 | 7 | 2 | <5 | 2 | 7 | <200 | 146 | 73 | 66 | 830 | 42 |
| 595T | 9 | <20 | <5 | 21 | 11 | 2 | <5 | 3 | 8 | <200 | 139 | 51 | 69 | 870 | 46 |
| 596T | 2 | <20 | <5 | 18 | 6 | 2 | <5 | 4 | 8 | <200 | 133 | 32 | 67 | 920 | 44 |
| 597T | 4 | <20 | <5 | 22 | <5 | 2 | <5 | 4 | 8 | <200 | 152 | 50 | 69 | 820 | 46 |
| 598T | 9 | <20 | 5 | 22 | 6 | 2 | <5 | 4 | 9 | <200 | 151 | 39 | 81 | 920 | 48 |
| 599T | 170 | 75 | 15 | 35 | 6 | 5 | <5 | 9 | 15 | 240 | 199 | 70 | 199 | 610 | 72 |
| 600T | 262 | 182 | 16 | 39 | <5 | 7 | <5 | 8 | 11 | 210 | 173 | 47 | 80 | 700 | 59 |
| 601S | <2 | <20 | <5 | 7 | <5 | 4 | <5 | 2 | 7 | <200 | 70 | 32 | 21 | 730 | 36 |
| 602S | 21 | <20 | 85 | 19 | <5 | 10 | 6 | 6 | 9 | <200 | 124 | 31 | 34 | 640 | 34 |
| 603T | 39 | 27 | 44 | 21 | 8 | 16 | 10 | 5 | 10 | <200 | 138 | 35 | 38 | 680 | 41 |
| 604S | 11 | <20 | 11 | 11 | <5 | 5 | <5 | <2 | 6 | <200 | 101 | 31 | 23 | 680 | 57 |
| 605S | <2 | <20 | 7 | 5 | <5 | 2 | <5 | <2 | 3 | <200 | 61 | 18 | 19 | 720 | 47 |
| 612T | <2 | <20 | <5 | 12 | <5 | 2 | <5 | 2 | 8 | <200 | 136 | 30 | 34 | 800 | 66 |
| 613S | 160 | 125 | 33 | 22 | <5 | 13 | 5 | 4 | 9 | <200 | 78 | 43 | 43 | 810 | 50 |
| 614T | 24 | <20 | 16 | 9 | <5 | 3 | <5 | <2 | 5 | <200 | 83 | 26 | 24 | 780 | 90 |
| 615S | 3 | <20 | 5 | 7 | <5 | 1 | <5 | <2 | 5 | <200 | 114 | 21 | 15 | 670 | 72 |
| 616S | <2 | <20 | <5 | 11 | <5 | 2 | <5 | 3 | 7 | <200 | 112 | 21 | 22 | 1000 | 84 |
| 617S | <2 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 5 | <200 | 78 | 22 | 12 | 810 | 215 |
| 616S | <2 | <20 | <5 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 69 | 23 | 17 | 950 | 58 |
| 619S | <2 | <20 | 7 | 4 | <5 | 1 | <5 | <2 | 4 | <200 | 73 | 28 | 20 | 1200 | 74 |
| 620S | <2 | <20 | <5 | 2 | <5 | 0 | <5 | <2 | 3 | <200 | 69 | 16 | 10 | 660 | 101 |
| 621S | <2 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 6 | <200 | 68 | 23 | 23 | 770 | 56 |
| 622S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 51 | 20 | 10 | 860 | 51 |
| 623T | 366 | 290 | 12 | 37 | <5 | 7 | <5 | 8 | 10 | <200 | 173 | 43 | 63 | 710 | 70 |
| 624T | 120 | 107 | 8 | 33 | 8 | 5 | <5 | 7 | 9 | <200 | 138 | 30 | 46 | 1100 | 67 |
| 625T | 372 | 186 | 12 | 42 | 16 | 7 | <5 | <2 | 6 | <200 | 126 | 65 | 53 | 810 | 51 |
| 626T | 363 | 233 | 6 | 31 | <5 | 5 | <5 | 4 | 5 | <200 | 111 | 55 | 39 | 670 | 41 |
| 627T | 74 | 46 | <5 | 21 | <5 | 3 | <5 | 3 | 7 | <200 | 132 | 35 | 66 | 850 | 50 |
| 628S | <2 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 4 | <200 | 75 | 21 | 22 | 760 | 68 |
| 629S | <2 | <20 | <5 | 5 | 6 | 1 | <5 | <2 | 4 | <200 | 75 | 24 | 15 | 550 | 52 |
| 630S | <2 | <20 | <5 | 7 | 6 | 1 | <5 | <2 | 6 | <200 | 116 | 22 | 18 | 1000 | 33 |
| 631S | <2 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 6 | <200 | 102 | 21 | 14 | 790 | 60 |
| 632S | <2 | <20 | <5 | 8 | <5 | 1 | <5 | <2 | 6 | <200 | 87 | 23 | 19 | 760 | 53 |
| 700T | 5 | <20 | 7 | 10 | <5 | 2 | <5 | <2 | 4 | <200 | 116 | 49 | 37 | 920 | 42 |
| 701T | 11 | <20 | 9 | 13 | <5 | 2 | <5 | <2 | 4 | <200 | 119 | 84 | 38 | 820 | 39 |
| 702T | 85 | 62 | <5 | 23 | 12 | 3 | <5 | 3 | 6 | <200 | 99 | 44 | 39 | 680 | 36 |
| 703T | 140 | 112 | 11 | 29 | <5 | 4 | <5 | 3 | 7 | <200 | 116 | 46 | 46 | 720 | 50 |
| 704T | 7 | <20 | <5 | 15 | <5 | 2 | <5 | 4 | 6 | <200 | 128 | 34 | 65 | 870 | 42 |
| 705T | 4 | <20 | <5 | 14 | <5 | 2 | <5 | 2 | 7 | <200 | 118 | 47 | 56 | 820 | 45 |
| 706T | <2 | <20 | <5 | 13 | <5 | 1 | <5 | 4 | 7 | <200 | 110 | 24 | 47 | 660 | 39 |
| 707T | 3 | <20 | <5 | 10 | <5 | 1 | <5 | <2 | 6 | <200 | 119 | 29 | 40 | 800 | 40 |
| 708T | <2 | <20 | <5 | 10 | <5 | 2 | <5 | 5 | 7 | <200 | 103 | 26 | 30 | 1100 | 89 |
| 709T | <2 | <20 | <5 | 9 | <5 | 2 | <5 | 4 | 7 | 220 | 133 | 29 | 37 | 970 | 53 |
| 711T | 4 | <20 | <5 | 17 | <5 | 3 | <5 | 3 | 6 | <200 | 150 | 119 | 66 | 890 | 44 |
| 712T | 6 | <20 | <5 | 22 | 10 | 2 | <5 | 4 | 8 | <200 | 153 | 79 | 73 | 800 | 50 |
| 713T | 14 | <20 | <5 | 18 | 8 | 2 | <5 | <2 | 6 | <200 | 125 | 54 | 64 | 850 | 39 |
| 715T | 87 | 74 | 8 | 25 | 9 | 4 | <5 | 3 | 6 | <200 | 116 | 72 | 39 | 670 | 44 |
| 716T | 6 | <20 | <5 | 12 | <5 | 2 | <5 | <2 | 4 | <200 | 107 | 63 | 38 | 610 | 31 |
| 717T | 3 | <20 | <5 | 11 | <5 | 2 | <5 | <2 | 5 | <200 | 119 | 82 | 36 | 740 | 35 |
| 718T | <2 | <20 | <5 | 10 | <5 | 2 | <5 | 3 | 5 | <200 | 114 | 64 | 36 | 700 | 33 |
| 719T | 9 | <20 | <5 | 14 | <5 | 2 | <5 | <2 | 6 | <200 | 102 | 63 | 41 | 630 | 34 |
| 720T | 91 | 73 | 8 | 28 | 8 | 3 | <5 | <2 | 7 | <200 | 99 | 31 | 40 | 630 | 47 |
| 721T | 275 | 168 | 11 | 39 | 14 | 5 | <5 | 6 | 6 | <200 | 104 | 35 | 42 | 660 | 61 |
| 722T | 190 | 104 | 12 | 28 | 13 | 5 | <5 | 3 | 6 | 270 | 135 | 84 | 54 | 870 | 56 |
| 723T | 14 | <20 | 9 | 20 | 9 | 3 | <5 | 3 | 8 | 210 | 144 | 99 | 81 | 860 | 41 |
| 724T | <2 | <20 | <5 | 22 | 9 | 3 | <5 | 2 | 7 | <200 | 173 | 141 | 72 | 850 | 57 |
| 725T | 7 | <20 | <5 | 21 | 8 | 3 | <5 | 2 | 7 | <200 | 147 | 103 | 73 | 940 | 46 |
| 726T | <2 | <20 | <5 | 13 | <5 | 1 | <5 | 3 | 7 | <200 | 113 | 28 | 48 | 660 | 39 |
| 727S | <2 | <20 | <5 | 10 | <5 | 1 | <5 | 2 | 6 | <200 | 112 | 28 | 42 | 630 | 42 |
| 728S | <2 | <20 | <5 | 10 | <5 | 2 | <5 | <2 | 5 | <200 | 123 | 30 | 38 | 800 | 37 |
| 729S | <2 | <20 | <5 | 8 | <5 | 1 | <5 | <2 | 6 | <200 | 124 | 34 | 39 | 690 | 46 |
| 730S | <2 | <20 | <5 | 13 | <5 | 1 | <5 | 5 | 6 | <200 | 115 | 29 | 46 | 730 | 43 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 592T | <5 | 0.3 | 293 | 69 | 49 | 32 | 29 | 93 | 15 | <5 | 2 | <10 | 0.3 | <2 | 36 |
| 593T | <5 | <0.2 | 388 | 53 | 50 | 33 | 32 | 81 | 14 | <5 | 2 | <10 | 0.3 | <2 | 29 |
| 594T | <5 | 0.3 | 388 | 54 | 55 | 34 | 33 | 79 | 16 | <5 | 2 | <10 | <0.2 | <2 | 39 |
| 595T | <5 | 0.3 | 471 | 53 | 57 | 41 | 36 | 98 | 15 | <5 | 4 | <10 | 0.4 | <2 | 39 |
| 596T | <5 | 0.2 | 458 | 76 | 59 | 40 | 35 | 110 | 15 | <5 | 3 | <10 | <0.2 | <2 | 36 |
| 597T | <5 | 0.2 | 391 | 79 | 61 | 38 | 36 | 93 | 16 | <5 | 4 | <10 | 0.2 | <2 | 39 |
| 598T | <5 | 0.3 | 478 | 68 | 70 | 46 | 43 | 74 | 15 | 6 | 3 | <10 | <0.2 | <2 | 35 |
| 599T | <5 | 0.3 | 395 | 95 | 89 | 71 | 63 | 67 | 13 | 7 | 1 | <10 | <0.2 | <2 | 23 |
| 600T | <5 | 0.2 | 571 | 47 | 56 | 38 | 38 | 100 | 14 | <5 | 3 | <10 | <0.2 | <2 | 27 |
| 601S | <5 | <0.2 | 175 | 30 | 25 | 23 | 25 | <50 | 20 | <5 | 9 | <10 | <0.2 | 3 | 40 |
| 602S | <5 | 0.3 | 269 | 50 | 42 | 25 | 26 | 83 | 19 | <5 | 6 | <10 | <0.2 | <2 | 47 |
| 603T | <5 | 0.3 | 489 | 64 | 44 | 28 | 29 | 70 | 16 | <5 | 5 | <10 | <0.2 | <2 | 42 |
| 604S | <5 | <0.2 | 862 | 36 | 31 | 23 | 22 | 72 | 15 | <5 | 3 | <10 | <0.2 | <2 | 39 |
| 605S | <5 | <0.2 | 782 | 29 | 19 | 14 | 13 | 72 | 10 | <5 | 8 | <10 | <0.2 | <2 | 28 |
| 612T | <5 | <0.2 | 999 | 44 | 38 | 23 | 24 | 76 | 15 | <5 | 6 | <10 | 0.3 | <2 | 34 |
| 613S | <5 | 0.3 | 845 | 63 | 48 | 59 | 51 | 58 | 13 | <5 | 5 | <10 | 0.2 | <2 | 37 |
| 614T | <5 | <0.2 | 842 | <20 | 30 | 27 | 24 | <50 | 16 | <5 | 7 | <10 | <0.2 | <2 | 49 |
| 615S | <5 | <0.2 | 262 | 30 | 29 | 19 | 19 | 56 | 14 | <5 | 4 | <10 | 0.4 | <2 | 37 |
| 616S | <5 | <0.2 | 90 | 41 | 37 | 16 | 17 | 92 | 16 | <5 | 1 | <10 | 0.3 | 5 | 38 |
| 617S | <5 | <0.2 | 194 | 24 | 29 | 14 | 14 | 63 | 18 | <5 | 3 | <10 | <0.2 | 6 | 48 |
| 618S | <5 | <0.2 | 1089 | <20 | 22 | 31 | 27 | 85 | 14 | <5 | 4 | <10 | <0.2 | <2 | 45 |
| 619S | <5 | 0.2 | 1055 | 29 | 27 | 26 | 26 | 60 | 10 | <5 | 3 | <10 | <0.2 | <2 | 31 |
| 620S | <5 | <0.2 | 86 | <20 | 11 | <10 | 6 | 51 | 11 | <5 | 4 | <10 | <0.2 | 7 | 28 |
| 621S | <5 | <0.2 | 306 | <20 | 27 | 17 | 19 | 56 | 16 | <5 | 6 | <10 | <0.2 | 3 | 46 |
| 622S | <5 | <0.2 | 162 | 46 | 18 | 13 | 10 | 81 | 11 | <5 | 4 | <10 | <0.2 | 3 | 32 |
| 623T | <5 | 0.2 | 645 | 51 | 47 | 33 | 31 | 64 | 12 | <5 | 5 | <10 | <0.2 | <2 | 27 |
| 624T | <5 | <0.2 | 321 | 37 | 40 | 26 | 25 | 90 | 15 | <5 | 3 | <10 | <0.2 | <2 | 42 |
| 625T | <5 | <0.2 | 455 | 43 | 38 | 26 | 26 | 85 | 18 | <5 | 3 | <10 | 0.3 | <2 | 43 |
| 626T | <5 | 0.2 | 217 | 37 | 37 | 22 | 23 | 75 | 18 | <5 | 2 | <10 | <0.2 | 3 | 43 |
| 627T | <5 | 0.2 | 211 | 58 | 55 | 33 | 33 | 95 | 16 | <5 | 3 | <10 | <0.2 | <2 | 42 |
| 628S | <5 | <0.2 | 502 | <20 | 28 | 21 | 17 | 72 | 18 | <5 | 7 | <10 | <0.2 | 3 | 57 |
| 629S | <5 | <0.2 | 288 | 36 | 17 | 12 | 13 | <50 | 10 | <5 | 16 | <10 | <0.2 | 6 | 31 |
| 630S | <5 | <0.2 | 480 | 41 | 25 | 10 | 12 | 54 | 11 | <5 | 15 | <10 | <0.2 | <2 | 31 |
| 631S | <5 | <0.2 | 256 | 34 | 28 | 11 | 12 | 52 | 14 | <5 | 7 | <10 | <0.2 | 4 | 39 |
| 632S | <5 | 0.2 | 296 | 27 | 22 | 12 | 12 | 52 | 12 | <5 | 17 | <10 | <0.2 | 6 | 30 |
| 700T | <5 | 0.2 | 244 | <20 | 36 | 28 | 20 | 73 | 19 | <5 | 4 | <10 | <0.2 | <2 | 39 |
| 701T | <5 | 0.3 | 356 | <20 | 36 | 22 | 23 | 110 | 19 | <5 | 3 | <10 | <0.2 | <2 | 43 |
| 702T | <5 | <0.2 | 251 | <20 | 35 | 26 | 23 | 110 | 18 | <5 | 1 | <10 | <0.2 | <2 | 45 |
| 703T | <5 | 0.2 | 291 | 34 | 43 | 25 | 26 | 81 | 19 | 5 | 2 | <10 | <0.2 | <2 | 47 |
| 704T | <5 | <0.2 | 410 | 57 | 57 | 40 | 32 | 100 | 16 | <5 | 2 | <10 | <0.2 | <2 | 35 |
| 705T | <5 | <0.2 | 604 | 84 | 50 | 33 | 29 | 88 | 15 | <5 | 3 | <10 | 0.2 | <2 | 33 |
| 706T | <5 | <0.2 | 448 | 62 | 44 | 36 | 26 | 90 | 16 | <5 | 2 | <10 | <0.2 | <2 | 45 |
| 707T | <5 | 0.3 | 382 | 55 | 42 | 26 | 25 | 90 | 16 | <5 | 2 | <10 | <0.2 | <2 | 39 |
| 708T | 7 | <0.2 | 261 | <20 | 29 | 16 | 15 | 74 | 13 | <5 | 3 | <10 | <0.2 | <2 | 34 |
| 709T | <5 | 0.2 | 334 | 39 | 34 | 27 | 20 | 74 | 16 | <5 | 3 | <10 | <0.2 | <2 | 37 |
| 711T | <5 | 0.4 | 267 | <20 | 52 | 41 | 29 | 77 | 16 | <5 | 1 | <10 | 0.3 | <2 | 34 |
| 712T | <5 | 0.3 | 453 | <20 | 58 | 46 | 34 | 84 | 16 | <5 | 2 | <10 | <0.2 | <2 | 36 |
| 713T | <5 | 0.3 | 465 | 62 | 54 | 37 | 31 | 76 | 16 | <5 | 2 | <10 | 0.2 | <2 | 37 |
| 715T | <5 | 0.2 | 248 | <20 | 37 | 21 | 23 | 50 | 19 | <5 | 2 | <10 | <0.2 | <2 | 46 |
| 716T | 6 | <0.2 | 280 | <20 | 35 | 23 | 22 | 81 | 18 | <5 | 3 | <10 | <0.2 | <2 | 44 |
| 717T | 8 | 0.3 | 354 | <20 | 34 | 22 | 20 | 78 | 18 | <5 | 3 | <10 | 0.3 | <2 | 38 |
| 718T | <5 | 0.3 | 318 | 33 | 35 | 23 | 20 | 100 | 18 | <5 | 2 | <10 | <0.2 | <2 | 41 |
| 719T | <5 | 0.3 | 299 | 45 | 36 | 30 | 27 | 79 | 17 | <5 | 2 | <10 | <0.2 | <2 | 41 |
| 720T | <5 | <0.2 | 286 | <20 | 40 | 25 | 25 | 72 | 20 | <5 | 2 | <10 | <0.2 | <2 | 49 |
| 721T | <5 | <0.2 | 291 | 63 | 39 | 27 | 24 | 79 | 19 | <5 | 0 | <10 | 0.3 | <2 | 45 |
| 722T | <5 | 0.3 | 197 | <20 | 42 | 25 | 25 | 80 | 17 | <5 | 1 | <10 | 0.3 | <2 | 39 |
| 723T | <5 | 0.4 | 299 | 93 | 60 | 42 | 37 | 85 | 17 | <5 | 2 | <10 | <0.2 | <2 | 35 |
| 724T | <5 | 0.4 | 384 | 51 | 57 | 35 | 34 | 97 | 17 | <5 | 2 | <10 | 0.7 | <2 | 31 |
| 725T | <5 | 0.5 | 363 | 46 | 59 | 40 | 36 | 110 | 15 | <5 | 2 | <10 | 0.6 | <2 | 27 |
| 726T | 5 | <0.2 | 374 | 45 | 45 | 22 | 26 | 100 | 16 | <5 | 2 | <10 | <0.2 | <2 | 44 |
| 727S | <5 | 0.2 | 434 | <20 | 43 | 22 | 25 | 75 | 16 | <5 | 4 | <10 | <0.2 | <2 | 43 |
| 728S | <5 | 0.2 | 357 | 49 | 36 | 19 | 20 | 86 | 18 | <5 | 7 | <10 | 0.4 | <2 | 44 |
| 729S | <5 | <0.2 | 376 | 42 | 36 | 24 | 21 | 68 | 18 | <5 | 6 | <10 | <0.2 | <2 | 49 |
| 730S | <5 | <0.2 | 425 | 58 | 44 | 29 | 26 | 80 | 16 | <5 | 3 | <10 | <0.2 | <2 | 47 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 592T | <20 | 17 | 4 | 14 | 5 | <500 | 7 | 19 | 0.7 | 5.3 | 3.7 | 1.9 | 1.5 | 0.2 |
| 593T | <20 | 13 | 4 | 12 | 4 | <500 | 6 | 40 | 2.1 | 4.5 | 3.8 | 1.7 | 1.5 | 0.2 |
| 594T | <20 | 15 | 4 | 14 | 3 | <500 | 8 | 30 | 1.4 | 5.0 | 4.0 | 2.0 | 1.6 | 0.3 |
| 595T | <20 | 17 | 4 | 13 | 3 | <500 | 9 | 17 | 0.5 | 6.0 | 4.4 | 2.0 | 1.6 | 0.3 |
| 596T | <20 | 18 | 4 | 11 | 3 | <500 | 12 | 15 | 0.4 | 5.8 | 4.4 | 1.9 | 1.5 | 0.3 |
| 597T | <20 | 18 | 4 | 13 | 3 | <500 | 10 | 17 | 0.4 | 6.1 | 4.6 | 2.1 | 1.6 | 0.3 |
| 598T | <20 | 19 | 5 | 11 | 3 | <500 | 11 | 15 | 0.5 | 6.5 | 4.9 | 2.0 | 1.5 | 0.4 |
| 599T | <20 | 19 | 5 | 6 | 2 | <500 | 16 | 19 | 0.5 | 8.2 | 7.1 | 1.5 | 1.3 | 0.1 |
| 600T | <20 | 18 | 4 | 9 | 4 | <500 | 10 | 20 | 0.3 | 5.5 | 4.6 | 1.6 | 1.2 | 0.2 |
| 601S | <20 | 14 | 3 | 14 | 4 | <500 | 8 | 3 | 0.0 | 6.4 | 5.9 | 1.0 | 2.6 | 0.0 |
| 602S | <20 | 16 | 4 | 17 | 3 | <500 | 5 | 20 | 0.5 | 4.8 | 4.2 | 2.3 | 2.0 | 0.1 |
| 603T | <20 | 16 | 4 | 14 | 4 | <500 | 4 | 18 | 0.4 | 5.2 | 4.4 | 2.1 | 1.8 | 0.1 |
| 604S | <20 | 12 | 3 | 14 | 4 | <500 | 3 | 15 | 0.4 | 4.4 | 3.5 | 1.9 | 1.7 | 0.1 |
| 605S | <20 | 12 | 2 | 9 | 2 | <500 | 2 | 39 | 1.3 | 4.0 | 2.4 | 1.4 | 1.4 | 0.0 |
| 612T | <20 | 18 | 4 | 17 | 4 | <500 | 3 | 14 | 0.3 | 5.3 | 4.4 | 2.0 | 1.7 | 0.1 |
| 613S | <20 | 14 | 3 | 13 | 4 | <500 | 2 | 15 | 0.3 | 6.9 | 5.5 | 1.8 | 1.7 | 0.1 |
| 614T | <20 | 15 | 3 | 18 | 4 | <500 | 6 | 14 | 0.3 | 4.6 | 3.6 | 1.9 | 2.8 | 0.1 |
| 615S | <20 | 14 | 4 | 23 | 5 | <500 | 4 | 5 | 0.1 | 3.6 | 3.1 | 1.4 | 2.0 | 0.1 |
| 616S | <20 | 14 | 5 | 23 | 6 | <500 | 10 | 20 | 0.2 | 3.7 | 3.2 | 1.6 | 2.1 | 0.1 |
| 617S | <20 | 11 | 4 | 31 | 5 | <500 | 8 | 34 | 0.4 | 3.4 | 2.8 | 1.5 | 2.9 | 0.1 |
| 618S | <20 | 13 | 5 | 13 | 3 | <500 | 2 | 85 | 0.9 | 3.9 | 2.6 | 1.9 | 1.6 | 0.0 |
| 619S | <20 | 17 | 4 | 9 | 5 | <500 | 3 | 78 | 0.8 | 4.7 | 3.9 | 1.4 | 1.2 | 0.0 |
| 620S | <20 | 9 | 3 | 23 | 5 | <500 | 3 | 12 | 0.1 | 2.1 | 1.5 | 0.8 | 2.1 | 0.0 |
| 621S | <20 | 15 | 5 | 20 | 4 | <500 | 4 | 8 | 0.0 | 4.7 | 3.8 | 1.7 | 2.7 | 0.1 |
| 622S | <20 | 11 | 4 | 14 | 4 | <500 | 2 | 52 | 0.9 | 3.6 | 2.2 | 1.3 | 1.4 | 0.0 |
| 623T | <20 | 15 | 4 | 10 | 3 | <500 | 5 | 26 | 0.5 | 6.3 | 4.3 | 1.6 | 1.1 | 0.1 |
| 624T | <20 | 16 | 5 | 16 | 5 | <500 | 11 | 38 | 1.4 | 4.5 | 3.6 | 2.3 | 1.6 | 0.2 |
| 625T | <20 | 15 | 4 | 13 | 4 | <500 | 7 | 27 | 0.9 | 4.8 | 3.9 | 2.2 | 1.7 | 0.1 |
| 626T | <20 | 14 | 4 | 14 | 3 | <500 | 7 | 27 | 0.9 | 4.1 | 3.3 | 2.2 | 1.6 | 0.1 |
| 627T | <20 | 17 | 4 | 13 | 4 | <500 | 9 | 17 | 0.4 | 5.2 | 4.2 | 2.0 | 1.7 | 0.2 |
| 628S | <20 | 15 | 3 | 16 | 4 | <500 | 4 | 18 | 0.3 | 4.7 | 3.2 | 2.2 | 2.9 | 0.1 |
| 629S | <20 | 12 | 4 | 22 | 5 | <500 | 13 | 12 | 0.3 | 3.3 | 2.7 | 1.3 | 3.3 | 0.1 |
| 630S | <20 | 15 | 4 | 18 | 4 | <500 | 2 | 7 | 0.2 | 4.1 | 3.4 | 1.6 | 2.4 | 0.1 |
| 631S | <20 | 12 | 4 | 22 | 4 | <500 | 4 | 8 | 0.2 | 3.9 | 3.3 | 1.8 | 2.4 | 0.1 |
| 632S | <20 | 12 | 4 | 24 | 6 | <500 | 8 | 6 | 0.1 | 3.9 | 3.1 | 1.4 | 2.9 | 0.1 |
| 700T | <20 | 17 | 3 | 13 | 7 | <500 | 4 | 20 | 0.5 | 4.4 | 3.8 | 2.3 | 2.0 | 0.1 |
| 701T | <20 | 17 | 3 | 13 | 4 | <500 | 4 | 30 | 1.2 | 4.6 | 3.9 | 2.3 | 2.0 | 0.1 |
| 702T | <20 | 16 | 4 | 12 | 4 | 990 | 6 | 29 | 1.0 | 4.6 | 3.8 | 2.3 | 1.8 | 0.2 |
| 703T | <20 | 16 | 4 | 13 | 4 | <500 | 8 | 21 | 0.6 | 4.6 | 4.1 | 2.3 | 1.9 | 0.2 |
| 704T | <20 | 16 | 3 | 11 | 4 | <500 | 11 | 17 | 0.5 | 5.0 | 4.6 | 1.9 | 1.6 | 0.3 |
| 705T | <20 | 14 | 3 | 14 | 4 | 850 | 9 | 21 | 0.8 | 5.4 | 4.5 | 1.8 | 1.6 | 0.4 |
| 706T | <20 | 15 | 3 | 11 | 4 | <500 | 9 | 17 | 0.6 | 4.9 | 4.2 | 2.2 | 1.8 | 0.2 |
| 707T | <20 | 16 | 3 | 12 | 4 | <500 | 5 | 12 | 0.3 | 4.2 | 4.1 | 2.2 | 1.8 | 0.2 |
| 708T | <20 | 13 | 4 | 18 | 4 | <500 | 11 | 116 | 4.6 | 3.2 | 2.7 | 2.4 | 1.7 | 0.3 |
| 709T | <20 | 16 | 4 | 19 | 4 | <500 | 8 | 82 | 3.4 | 3.9 | 3.4 | 2.4 | 1.9 | 0.2 |
| 711T | <20 | 15 | 3 | 14 | 5 | <500 | 8 | 30 | 1.3 | 5.0 | 4.1 | 1.9 | 1.7 | 0.3 |
| 712T | <20 | 16 | 4 | 13 | 5 | <500 | 9 | 20 | 0.6 | 5.4 | 4.6 | 2.0 | 1.7 | 0.3 |
| 713T | <20 | 15 | 3 | 12 | 4 | <500 | 10 | 18 | 0.5 | 5.1 | 4.5 | 1.9 | 1.7 | 0.3 |
| 715T | <20 | 14 | 4 | 14 | 3 | <500 | 6 | 29 | 1.1 | 4.4 | 3.8 | 2.4 | 1.9 | 0.2 |
| 716T | <20 | 16 | 3 | 11 | 4 | <500 | 4 | 41 | 1.7 | 4.6 | 3.8 | 2.4 | 1.9 | 0.1 |
| 717T | <20 | 16 | 3 | 13 | 4 | <500 | 3 | 27 | 0.9 | 4.2 | 3.7 | 2.3 | 1.9 | 0.1 |
| 718T | <20 | 16 | 3 | 12 | 4 | <500 | 4 | 37 | 1.5 | 4.3 | 3.7 | 2.4 | 2.0 | 0.1 |
| 719T | <20 | 16 | 4 | 11 | <2 | <500 | 4 | 52 | 2.7 | 5.0 | 4.0 | 2.2 | 1.8 | 0.1 |
| 720T | <20 | 14 | 3 | 12 | <2 | <500 | 9 | 23 | 0.8 | 4.3 | 4.1 | 2.4 | 2.0 | 0.2 |
| 721T | <20 | 13 | 3 | 11 | 7 | <500 | 7 | 34 | 1.4 | 4.2 | 3.9 | 2.4 | 1.8 | 0.2 |
| 722T | <20 | 16 | 4 | 14 | 5 | <500 | 8 | 28 | 0.9 | 4.1 | 3.9 | 2.1 | 1.7 | 0.2 |
| 723T | <20 | 17 | 4 | 12 | 3 | <500 | 8 | 27 | 1.0 | 5.4 | 4.5 | 2.0 | 1.7 | 0.3 |
| 724T | <20 | 16 | 4 | 15 | 4 | <500 | 7 | 20 | 0.6 | 5.1 | 4.4 | 1.8 | 1.7 | 0.4 |
| 725T | <20 | 16 | 4 | 11 | 5 | <500 | 7 | 23 | 0.9 | 5.6 | 4.3 | 1.7 | 1.5 | 0.3 |
| 726T | <20 | 14 | 3 | 11 | 4 | <500 | 8 | 19 | 0.7 | 5.0 | 4.2 | 2.2 | 1.8 | 0.3 |
| 727S | <20 | 16 | 3 | 10 | 4 | <500 | 3 | 14 | 0.4 | 4.8 | 4.3 | 2.2 | 2.0 | 0.2 |
| 728S | <20 | 17 | 3 | 14 | 5 | <500 | 4 | 21 | 0.8 | 4.2 | 3.7 | 2.5 | 2.1 | 0.2 |
| 729S | <20 | 16 | 3 | 15 | 4 | <500 | 3 | 25 | 1.0 | 3.9 | 3.8 | 2.5 | 2.2 | 0.2 |
| 730S | <20 | 15 | 4 | 11 | 4 | <500 | 7 | 20 | 0.8 | 5.3 | 4.2 | 2.1 | 1.9 | 0.3 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 592T | 0.8 | <0.01 | 0.02 | 96 | 6 | <2 | <100 | 54 | 23 | <0.5 | 0 | 150 | 14 | <5 |
| 593T | 0.5 | <0.01 | 0.03 | 75 | 6 | <2 | <100 | 42 | 17 | <0.5 | 0 | 140 | 13 | <5 |
| 594T | 0.5 | <0.01 | 0.03 | 68 | 6 | <2 | <100 | 43 | 24 | <0.5 | 0 | 150 | 13 | <5 |
| 595T | 0.6 | <0.01 | 0.03 | 83 | 7 | <2 | <100 | 52 | 24 | <0.5 | 0 | 160 | 16 | <5 |
| 596T | 0.6 | <0.01 | 0.04 | 88 | 8 | <2 | <100 | 57 | 26 | <0.5 | 0 | 170 | 15 | <5 |
| 597T | 0.5 | <0.01 | 0.04 | 82 | 9 | <2 | <100 | 51 | 25 | <0.5 | 0 | 190 | 15 | <5 |
| 598T | 0.4 | <0.01 | 0.04 | 78 | 8 | <2 | <100 | 52 | 21 | <0.5 | 0 | 180 | 15 | <5 |
| 599T | 0.3 | <0.01 | <0.01 | 72 | 8 | <2 | <100 | 51 | 10 | <0.5 | 1 | 170 | 14 | <5 |
| 600T | 0.4 | <0.01 | <0.01 | 89 | 7 | <2 | <100 | 53 | 22 | <0.5 | 0 | 190 | 15 | <5 |
| 601S | 0.9 | <0.01 | 0.02 | 42 | 4 | <2 | <100 | 21 | 3 | <0.5 | 2 | 110 | 11 | <5 |
| 602S | 0.6 | <0.01 | <0.01 | 72 | 7 | <2 | <100 | 44 | 18 | <0.5 | 0 | 180 | 16 | <5 |
| 603T | 0.6 | <0.01 | <0.01 | 79 | 6 | <2 | <100 | 50 | 21 | <0.5 | 0 | 160 | 15 | <5 |
| 604S | 0.7 | <0.01 | <0.01 | 72 | 5 | <2 | <100 | 42 | 20 | <0.5 | 0 | 170 | 16 | <5 |
| 605S | 1.0 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 47 | 20 | 0.6 | 0 | 140 | 19 | <5 |
| 612T | 0.9 | <0.01 | <0.01 | 110 | 5 | 2 | <100 | 60 | 33 | <0.5 | 0 | 140 | 14 | <5 |
| 613S | 1.0 | <0.01 | <0.01 | 100 | 5 | 2 | <100 | 62 | 33 | 0.5 | 0 | 180 | 18 | 5 |
| 614T | 1.0 | 0.01 | 0.02 | 110 | 6 | 2 | <100 | 56 | 30 | 0.6 | 0 | 140 | 17 | <5 |
| 615S | 1.3 | <0.01 | <0.01 | 83 | 3 | <2 | <100 | 43 | 26 | <0.5 | 0 | 120 | 10 | <5 |
| 616S | 1.1 | <0.01 | <0.01 | 84 | 6 | <2 | <100 | 41 | 22 | <0.5 | 0 | 140 | 11 | <5 |
| 617S | 1.2 | <0.01 | <0.01 | 78 | 4 | <2 | <100 | 41 | 21 | <0.5 | 0 | 96 | 9 | <5 |
| 618S | 0.9 | <0.01 | <0.01 | 92 | 4 | <2 | <100 | 51 | 28 | <0.5 | 0 | 100 | 13 | <5 |
| 619S | 0.9 | <0.01 | <0.01 | 130 | 5 | <2 | <100 | 64 | 55 | <0.5 | 0 | 120 | 15 | 6 |
| 620S | 1.6 | 0.01 | 0.02 | 56 | 3 | <2 | <100 | 32 | 16 | <0.5 | 0 | 80 | 9 | <5 |
| 621S | 1.0 | <0.01 | 0.02 | 92 | 4 | <2 | <100 | 50 | 33 | <0.5 | 0 | 96 | 13 | <5 |
| 622S | 0.6 | <0.01 | <0.01 | 55 | 4 | <2 | <100 | 37 | 12 | <0.5 | 0 | 98 | 9 | <5 |
| 623T | 0.5 | <0.01 | <0.01 | 83 | 5 | <2 | <100 | 49 | 21 | <0.5 | 0 | 180 | 15 | <5 |
| 624T | 0.6 | <0.01 | <0.01 | 78 | 6 | <2 | <100 | 43 | 18 | <0.5 | 0 | 160 | 12 | <5 |
| 625T | 0.7 | <0.01 | 0.01 | 71 | 7 | <2 | <100 | 47 | 13 | <0.5 | 0 | 160 | 14 | <5 |
| 626T | 0.7 | <0.01 | 0.01 | 81 | 6 | <2 | <100 | 45 | 22 | <0.5 | 0 | 160 | 12 | <5 |
| 627T | 0.6 | <0.01 | 0.02 | 79 | 7 | <2 | <100 | 49 | 24 | <0.5 | 0 | 160 | 14 | <5 |
| 628S | 0.9 | <0.01 | 0.02 | 88 | 6 | <2 | <100 | 56 | 28 | 0.6 | 0 | 160 | 17 | <5 |
| 629S | 1.4 | 0.01 | 0.06 | 76 | 3 | <2 | <100 | 38 | 21 | <0.5 | 1 | 99 | 9 | <5 |
| 630S | 1.0 | <0.01 | 0.02 | 91 | 4 | <2 | <100 | 48 | 30 | 0.7 | 0 | 120 | 13 | <5 |
| 631S | 1.0 | <0.01 | 0.03 | 72 | 4 | <2 | <100 | 40 | 22 | <0.5 | 0 | 120 | 11 | <5 |
| 632S | 1.3 | 0.01 | 0.05 | 82 | 4 | <2 | <100 | 44 | 24 | 0.5 | 1 | 110 | 11 | <5 |
| 700T | 0.9 | <0.01 | 0.02 | 100 | 5 | <2 | <100 | 58 | 28 | <0.5 | 0 | 170 | 13 | <5 |
| 701T | 0.9 | 0.01 | 0.02 | 87 | 5 | <2 | <100 | 56 | 23 | <0.5 | 0 | 140 | 13 | <5 |
| 702T | 0.8 | <0.01 | 0.01 | 99 | 6 | <2 | <100 | 55 | 21 | <0.5 | 0 | 130 | 12 | <5 |
| 703T | 0.7 | <0.01 | 0.01 | 79 | 6 | <2 | <100 | 47 | 19 | <0.5 | 0 | 140 | 12 | <5 |
| 704T | 0.6 | <0.01 | 0.03 | 81 | 6 | <2 | <100 | 48 | 20 | <0.5 | 0 | 140 | 14 | <5 |
| 705T | 0.7 | 0.01 | 0.05 | 74 | 6 | 2 | <100 | 46 | 20 | <0.5 | 0 | 150 | 15 | <5 |
| 706T | 0.5 | <0.01 | 0.01 | 87 | 5 | <2 | <100 | 46 | 21 | <0.5 | 0 | 150 | 15 | <5 |
| 707T | 0.7 | <0.01 | 0.01 | 86 | 6 | <2 | <100 | 52 | 25 | <0.5 | 0 | 150 | 15 | <5 |
| 708T | 0.7 | <0.01 | 0.01 | 67 | 4 | <2 | <100 | 36 | 12 | <0.5 | 0 | 130 | 10 | <5 |
| 709T | 0.8 | <0.01 | <0.01 | 77 | 4 | <2 | <100 | 47 | 18 | <0.5 | 0 | 150 | 12 | <5 |
| 711T | 0.7 | 0.01 | 0.04 | 90 | 8 | <2 | <100 | 52 | 20 | <0.5 | 0 | 140 | 15 | <5 |
| 712T | 0.6 | <0.01 | 0.04 | 92 | 8 | <2 | <100 | 54 | 21 | <0.5 | 0 | 180 | 15 | <5 |
| 713T | 0.6 | <0.01 | 0.03 | 88 | 6 | 2 | <100 | 52 | 20 | <0.5 | 0 | 150 | 15 | <5 |
| 715T | 0.8 | <0.01 | 0.02 | 83 | 6 | <2 | <100 | 48 | 18 | <0.5 | 0 | 120 | 12 | <5 |
| 716T | 0.8 | <0.01 | 0.01 | 92 | 5 | <2 | <100 | 55 | 23 | <0.5 | 0 | 130 | 13 | <5 |
| 717T | 0.8 | 0.01 | 0.02 | 97 | 4 | <2 | <100 | 55 | 26 | <0.5 | 0 | 140 | 13 | <5 |
| 718T | 0.8 | <0.01 | 0.01 | 100 | 5 | <2 | <100 | 55 | 24 | <0.5 | 0 | 160 | 13 | <5 |
| 719T | 0.8 | <0.01 | 0.01 | 81 | 7 | <2 | <100 | 51 | 17 | <0.5 | 0 | 110 | 13 | <5 |
| 720T | 0.6 | <0.01 | <0.01 | 64 | 6 | <2 | <100 | 46 | 18 | <0.5 | 0 | 130 | 11 | <5 |
| 721T | 0.6 | <0.01 | <0.01 | 78 | 6 | <2 | <100 | 46 | 18 | <0.5 | 0 | 140 | 12 | <5 |
| 722T | 0.7 | <0.01 | 0.02 | 81 | 6 | <2 | <100 | 47 | 16 | <0.5 | 0 | 140 | 13 | <5 |
| 723T | 0.6 | <0.01 | 0.03 | 92 | 7 | 3 | <100 | 53 | 19 | <0.5 | 0 | 130 | 15 | <5 |
| 724T | 0.7 | 0.01 | 0.04 | 100 | 7 | <2 | <100 | 53 | 20 | <0.5 | 0 | 170 | 14 | <5 |
| 725T | 0.6 | <0.01 | 0.03 | 86 | 8 | <2 | <100 | 49 | 17 | <0.5 | 0 | 140 | 13 | <5 |
| 726T | 0.5 | <0.01 | 0.01 | 81 | 6 | <2 | <100 | 43 | 21 | <0.5 | 0 | 170 | 15 | <5 |
| 727S | 0.7 | <0.01 | 0.01 | 89 | 5 | <2 | <100 | 49 | 24 | <0.5 | 0 | 170 | 14 | <5 |
| 728S | 0.7 | <0.01 | <0.01 | 82 | 5 | <2 | <100 | 48 | 20 | <0.5 | 0 | 150 | 13 | <5 |
| 729S | 0.7 | <0.01 | <0.01 | 88 | 5 | <2 | <100 | 50 | 24 | <0.5 | 0 | 150 | 12 | <5 |
| 730S | 0.5 | <0.01 | 0.01 | 84 | 6 | 2 | <100 | 45 | 24 | <0.5 | 0 | 170 | 14 | <5 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 592T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 593T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 594T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 595T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 596T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 597T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 598T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 599T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 600T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 601S | <10 | 3 | <200 | 2 | <10 | 0 | <20 | <10 | 3 | <5 |
| 602S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 603T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 604S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 605S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 23 | 5 |
| 612T | <10 | 9 | <200 | 1 | <10 | 1 | <20 | <10 | 23 | <5 |
| 613S | <10 | 10 | <200 | 1 | <10 | 0 | <20 | <10 | 18 | <5 |
| 614T | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 20 | <5 |
| 615S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 616S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 617S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 618S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 619S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 620S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 4 | <5 |
| 621S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 12 | <5 |
| 622S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 623T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 624T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 625T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 9 | <5 |
| 626T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 627T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 628S | <10 | 8 | <200 | 0 | <10 | 0 | <20 | <10 | 17 | <5 |
| 629S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 630S | <10 | 9 | <200 | 1 | <10 | 1 | <20 | <10 | 24 | <5 |
| 631S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 632S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 13 | <5 |
| 700T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 701T | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 9 | <5 |
| 702T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 703T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 704T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 705T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 706T | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 7 | <5 |
| 707T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 708T | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| 709T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 711T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 9 | <5 |
| 712T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 713T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 10 | <5 |
| 715T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 716T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 717T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 718T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 9 | <5 |
| 719T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 720T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 721T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 5 | <5 |
| 722T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 723T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 724T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 725T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 726T | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 727S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 728S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 729S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 730S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 731T | 5 | <20 | <5 | 18 | 7 | 2 | <5 | 4 | 6 | 220 | 139 | 81 | 75 | 840 | 44 |
| 733T | 5 | <20 | <5 | 20 | <5 | 2 | <5 | 3 | 7 | <200 | 150 | 59 | 80 | 850 | 52 |
| 734T | 18 | <20 | 9 | 26 | 11 | 3 | <5 | 4 | 8 | <200 | 148 | 88 | 88 | 850 | 43 |
| 735T | 180 | 118 | <5 | 34 | 14 | 5 | <5 | 6 | 7 | <200 | 127 | 63 | 48 | 820 | 71 |
| 737S | 92 | 70 | 10 | 31 | 15 | 4 | <5 | 5 | 7 | <200 | 106 | 29 | 44 | 610 | 60 |
| 738S | 16 | <20 | 10 | 16 | 7 | 3 | <5 | 3 | 6 | <200 | 105 | 45 | 42 | 730 | 45 |
| 739S | 4 | <20 | 6 | 12 | <5 | 2 | <5 | <2 | 5 | <200 | 107 | 48 | 40 | 830 | 38 |
| 785T | 9 | <20 | 5 | 18 | 7 | 3 | <5 | 3 | 7 | <200 | 115 | 38 | 46 | 690 | 47 |
| 786T | 29 | <20 | 9 | 25 | 16 | 3 | <5 | 3 | 7 | <200 | 112 | 43 | 44 | 700 | 44 |
| 787T | 435 | 268 | 23 | 47 | 10 | 7 | <5 | 8 | 8 | <200 | 138 | 38 | 63 | 800 | 74 |
| 788T | 75 | 63 | 6 | 23 | 8 | 4 | <5 | 3 | 8 | <200 | 155 | 36 | 62 | 580 | 63 |
| 789T | 92 | 66 | <5 | 18 | <5 | 3 | <5 | 4 | 7 | <200 | 136 | 45 | 55 | 750 | 65 |
| 790T | 80 | 67 | <5 | 16 | <5 | 3 | <5 | 3 | 7 | <200 | 123 | 36 | 59 | 830 | 60 |
| 791T | 15 | <20 | <5 | 25 | 10 | 3 | <5 | 3 | 8 | <200 | 135 | 50 | 97 | 900 | 54 |
| 792T | 7 | <20 | 7 | 19 | 8 | 2 | <5 | <2 | 9 | <200 | 152 | 42 | 78 | 750 | 55 |
| 793T | 7 | <20 | 9 | 19 | <5 | 2 | <5 | <2 | 8 | <200 | 140 | 43 | 66 | 800 | 53 |
| 794S | 3 | <20 | 6 | 18 | 8 | 2 | <5 | 2 | 8 | <200 | 160 | 37 | 62 | 860 | 51 |
| 795T | <2 | <20 | <5 | 16 | <5 | 2 | <5 | 2 | 7 | 200 | 140 | 33 | 60 | 890 | 47 |
| 796T | 4 | <20 | <5 | 19 | <5 | 2 | <5 | 3 | 6 | <200 | 134 | 70 | 59 | 850 | 51 |
| 797S | 3 | <20 | <5 | 17 | 7 | 1 | <5 | <2 | 7 | <200 | 124 | 35 | 67 | 940 | 44 |
| 798S | 3 | <20 | <5 | 19 | 6 | 2 | <5 | 4 | 7 | <200 | 153 | 45 | 72 | 970 | 50 |
| 799S | 6 | <20 | <5 | 21 | 9 | 3 | <5 | <2 | 7 | 250 | 157 | 57 | 61 | 930 | 52 |
| 800T | 6 | <20 | <5 | 19 | <5 | 2 | <5 | <2 | 7 | <200 | 145 | 36 | 64 | 990 | 58 |
| 802T | 9 | <20 | 11 | 28 | 7 | 3 | <5 | 5 | 8 | <200 | 145 | 54 | 94 | 740 | 49 |
| 803S | 43 | 39 | 15 | 23 | <5 | 4 | <5 | 7 | 10 | <200 | 137 | 45 | 101 | 960 | 69 |
| 804S | 75 | 65 | 8 | 18 | <5 | 4 | <5 | 7 | 8 | <200 | 139 | 36 | 68 | 750 | 69 |
| 806S | 428 | 254 | 18 | 49 | 10 | 7 | <5 | 7 | 9 | <200 | 138 | 35 | 59 | 700 | 85 |
| 807S | 24 | 25 | 7 | 24 | 16 | 3 | <5 | 3 | 8 | 280 | 114 | 27 | 46 | 720 | 53 |
| 808T | 8 | <20 | 5 | 14 | 8 | 3 | <5 | <2 | 6 | <200 | 110 | 32 | 46 | 840 | 42 |
| 809T | 11 | <20 | <5 | 17 | 11 | 2 | <5 | 3 | 7 | <200 | 120 | 57 | 46 | 670 | 39 |
| 810T | 17 | <20 | 6 | 24 | 13 | 4 | <5 | 5 | 8 | <200 | 113 | 31 | 50 | 640 | 50 |
| 811T | 476 | 277 | 19 | 52 | 11 | 10 | <5 | 8 | 9 | <200 | 139 | 31 | 62 | 710 | 87 |
| 812T | 221 | 138 | 20 | 39 | 10 | 6 | <5 | 8 | 12 | <200 | 194 | 40 | 91 | 520 | 76 |
| 813S | 160 | 135 | 12 | 38 | 7 | 6 | <5 | 8 | 11 | <200 | 182 | 54 | 105 | 710 | 61 |
| 814T | 15 | <20 | 5 | 22 | 10 | 3 | <5 | 3 | 8 | <200 | 131 | 50 | 85 | 810 | 47 |
| 815T | 9 | <20 | 6 | 33 | 16 | 3 | <5 | 5 | 10 | <200 | 147 | 93 | 172 | 830 | 50 |
| 816T | 10 | <20 | <5 | 19 | 13 | 2 | <5 | <2 | 7 | <200 | 148 | 53 | 69 | 800 | 53 |
| 817T | 4 | <20 | 8 | 21 | 11 | 2 | <5 | 3 | 8 | <200 | 139 | 48 | 77 | 840 | 57 |
| 818T | 4 | <20 | 8 | 22 | 9 | 2 | <5 | 4 | 8 | <200 | 149 | 48 | 67 | 950 | 53 |
| 819T | 3 | <20 | <5 | 18 | <5 | 2 | <5 | 4 | 7 | <200 | 169 | 37 | 63 | 970 | 60 |
| 820T | 4 | <20 | 9 | 15 | 9 | 2 | <5 | <2 | 7 | <200 | 140 | 32 | 61 | 970 | 52 |
| 875S | <2 | <20 | <5 | 6 | <5 | 2 | <5 | 3 | 5 | <200 | 84 | 25 | 13 | 1000 | 125 |
| 876S | 3 | <20 | <5 | 6 | 7 | 2 | <5 | 4 | 7 | <200 | 124 | 20 | 15 | 700 | 77 |
| 877S | 3 | <20 | <5 | 6 | <5 | 2 | <5 | <2 | 5 | <200 | 89 | 21 | 18 | 630 | 79 |
| 878S | 55 | 37 | 51 | 22 | 17 | 17 | 11 | 6 | 10 | 210 | 135 | 33 | 40 | 640 | 41 |
| 879S | 21 | <20 | 44 | 14 | <5 | 7 | <5 | 3 | 8 | <200 | 114 | 25 | 30 | 710 | 48 |
| 880S | 5 | <20 | 17 | 10 | 6 | 3 | <5 | 3 | 6 | <200 | 112 | 26 | 27 | 660 | 51 |
| 882S | <2 | <20 | <5 | 5 | <5 | 2 | <5 | <2 | 4 | <200 | 90 | 23 | 27 | 730 | 43 |
| 883S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | <2 | 4 | <200 | 98 | 23 | 23 | 680 | 63 |
| 884S | 3 | <20 | <5 | 5 | <5 | 1 | <5 | 3 | 5 | <200 | 103 | 17 | 18 | 560 | 88 |
| 886S | 3 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 4 | <200 | 104 | 27 | 21 | 680 | 55 |
| 887S | 11 | <20 | <5 | 8 | <5 | 2 | <5 | <2 | 5 | <200 | 85 | 22 | 28 | 820 | 61 |
| 888S | 5 | <20 | <5 | 6 | <5 | 2 | <5 | <2 | 5 | <200 | 92 | 26 | 21 | 710 | 114 |
| 889S | 6 | <20 | <5 | 8 | <5 | 2 | <5 | <2 | 4 | <200 | 95 | 36 | 24 | 700 | 59 |
| 890S | 18 | <20 | 21 | 13 | 6 | 8 | 6 | 3 | 7 | <200 | 124 | 26 | 38 | 600 | 37 |
| 891S | 4 | <20 | 15 | 7 | <5 | 2 | <5 | <2 | 5 | <200 | 98 | 25 | 21 | 790 | 57 |
| 892S | 6 | <20 | 9 | 5 | <5 | 1 | <5 | <2 | 3 | <200 | 79 | 19 | 31 | 650 | 73 |
| 893T | <2 | <20 | <5 | 12 | <5 | 2 | <5 | 3 | 5 | <200 | 131 | 86 | 30 | 570 | 32 |
| 894T | 3 | <20 | 22 | 11 | <5 | 2 | <5 | 5 | 7 | <200 | 130 | 39 | 33 | 840 | 38 |
| 895S | 14 | <20 | 75 | 17 | <5 | 7 | <5 | 6 | 8 | <200 | 133 | 30 | 33 | 730 | 60 |
| 897T | 4 | <20 | <5 | 4 | <5 | 2 | <5 | <2 | 3 | <200 | 89 | 24 | 25 | 780 | 27 |
| 898S | 6 | <20 | <5 | 8 | <5 | 3 | <5 | <2 | 5 | <200 | 103 | 27 | 24 | 830 | 83 |
| 899S | 6 | <20 | 8 | 5 | <5 | 2 | <5 | <2 | 7 | <200 | 109 | 27 | 26 | 790 | 57 |
| 901S | <2 | <20 | 10 | 9 | <5 | 3 | <5 | <2 | 5 | <200 | 86 | 18 | 46 | 700 | 34 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 731T | <5 | 0.3 | 337 | 97 | 57 | 38 | 34 | 95 | 14 | <5 | 2 | <10 | 0.3 | <2 | 27 |
| 733T | <5 | 0.3 | 405 | 88 | 61 | 47 | 36 | 100 | 17 | <5 | 3 | <10 | <0.2 | <2 | 39 |
| 734T | <5 | 0.3 | 309 | 99 | 65 | 46 | 42 | 96 | 17 | <5 | 2 | <10 | <0.2 | <2 | 36 |
| 735T | <5 | 0.2 | 322 | 45 | 40 | 34 | 25 | 61 | 18 | <5 | 2 | <10 | <0.2 | <2 | 41 |
| 737S | 6 | 0.2 | 319 | <20 | 41 | 27 | 26 | 99 | 20 | <5 | 2 | <10 | <0.2 | <2 | 54 |
| 738S | <5 | <0.2 | 301 | 48 | 38 | 24 | 25 | 72 | 19 | <5 | 3 | <10 | <0.2 | <2 | 46 |
| 739S | <5 | <0.2 | 414 | <20 | 39 | 26 | 26 | 73 | 21 | <5 | 2 | <10 | <0.2 | <2 | 46 |
| 785T | <5 | <0.2 | 478 | 77 | 42 | 33 | 31 | 79 | 20 | <5 | 4 | <10 | <0.2 | <2 | 48 |
| 786T | <5 | 0.2 | 405 | 41 | 41 | 30 | 27 | 83 | 20 | <5 | 4 | <10 | <0.2 | <2 | 47 |
| 787T | <5 | <0.2 | 430 | 61 | 47 | 31 | 28 | 99 | 18 | <5 | 3 | <10 | <0.2 | <2 | 41 |
| 788T | <5 | <0.2 | 525 | <20 | 47 | 31 | 27 | 83 | 16 | <5 | 3 | <10 | <0.2 | <2 | 46 |
| 789T | <5 | 0.2 | 587 | <20 | 44 | 25 | 26 | <50 | 14 | <5 | 7 | <10 | <0.2 | <2 | 31 |
| 790T | <5 | <0.2 | 405 | <20 | 49 | 30 | 28 | 64 | 14 | <5 | 9 | <10 | <0.2 | <2 | 29 |
| 791T | <5 | 0.3 | 444 | 92 | 69 | 53 | 43 | 130 | 15 | <5 | 2 | <10 | <0.2 | <2 | 33 |
| 792T | <5 | 0.2 | 580 | 120 | 61 | 37 | 37 | 74 | 17 | <5 | 4 | <10 | <0.2 | <2 | 39 |
| 793T | <5 | <0.2 | 577 | 80 | 59 | 43 | 33 | 91 | 15 | <5 | 4 | <10 | <0.2 | <2 | 34 |
| 794S | <5 | <0.2 | 531 | 63 | 57 | 34 | 31 | 120 | 15 | <5 | 5 | <10 | 0.3 | <2 | 30 |
| 795T | <5 | <0.2 | 544 | 66 | 54 | 25 | 31 | 90 | 16 | <5 | 3 | <10 | <0.2 | <2 | 29 |
| 796T | <5 | <0.2 | 713 | 48 | 56 | 33 | 29 | 82 | 13 | <5 | 5 | <10 | 0.3 | <2 | 24 |
| 797S | <5 | <0.2 | 507 | 56 | 61 | 37 | 33 | 59 | 12 | <5 | 5 | <10 | <0.2 | <2 | 22 |
| 798S | <5 | 0.3 | 548 | 81 | 61 | 39 | 35 | 80 | 15 | <5 | 4 | <10 | <0.2 | <2 | 29 |
| 799S | <5 | 0.2 | 714 | 70 | 53 | 37 | 30 | 61 | 15 | <5 | 4 | <10 | 0.3 | <2 | 33 |
| 800T | <5 | <0.2 | 531 | 87 | 60 | 37 | 31 | 92 | 15 | <5 | 4 | <10 | <0.2 | <2 | 34 |
| 802T | <5 | 0.3 | 516 | 93 | 70 | 48 | 44 | 76 | 16 | <5 | 2 | <10 | <0.2 | <2 | 32 |
| 803S | <5 | 0.3 | 497 | 110 | 74 | 54 | 47 | 110 | 16 | <5 | 3 | <10 | <0.2 | <2 | 33 |
| 804S | <5 | <0.2 | 854 | 51 | 55 | 34 | 32 | 74 | 13 | <5 | 7 | <10 | <0.2 | <2 | 28 |
| 806S | <5 | 0.2 | 430 | 71 | 48 | 35 | 30 | 67 | 18 | <5 | 3 | <10 | 0.4 | <2 | 41 |
| 807S | <5 | <0.2 | 379 | <20 | 42 | 31 | 28 | 83 | 21 | <5 | 3 | <10 | <0.2 | <2 | 54 |
| 808T | <5 | 0.2 | 394 | <20 | 41 | 36 | 31 | 100 | 21 | <5 | 3 | <10 | <0.2 | <2 | 49 |
| 809T | <5 | 0.3 | 522 | <20 | 42 | 31 | 31 | 100 | 21 | <5 | 3 | <10 | <0.2 | <2 | 51 |
| 810T | <5 | <0.2 | 298 | 42 | 42 | 36 | 29 | 130 | 20 | <5 | 2 | <10 | <0.2 | <2 | 54 |
| 811T | <5 | <0.2 | 470 | 74 | 49 | 36 | 31 | 70 | 16 | <5 | 3 | <10 | <0.2 | <2 | 34 |
| 812T | <5 | 0.3 | 519 | 47 | 58 | 40 | 37 | 120 | 14 | <5 | 3 | <10 | <0.2 | <2 | 25 |
| 813S | <5 | 0.3 | 535 | 86 | 69 | 51 | 44 | 110 | 13 | <5 | 4 | <10 | 0.7 | <2 | 26 |
| 814T | <5 | 0.2 | 577 | 110 | 63 | 49 | 43 | 82 | 17 | <5 | 3 | <10 | <0.2 | <2 | 38 |
| 815T | 6 | 0.3 | 530 | 100 | 90 | 75 | 65 | 100 | 16 | <5 | 2 | <10 | 0.4 | <2 | 34 |
| 816T | 8 | <0.2 | 537 | 88 | 57 | 34 | 32 | 74 | 16 | <5 | 3 | <10 | <0.2 | <2 | 41 |
| 817T | <5 | <0.2 | 483 | 78 | 65 | 48 | 37 | 85 | 17 | <5 | 3 | <10 | <0.2 | <2 | 39 |
| 818T | <5 | 0.2 | 423 | 50 | 61 | 43 | 31 | 97 | 15 | <5 | 3 | <10 | 0.3 | <2 | 31 |
| 819T | <5 | 0.2 | 683 | 97 | 59 | 33 | 31 | 110 | 17 | <5 | 6 | <10 | <0.2 | <2 | 34 |
| 820T | <5 | <0.2 | 586 | 73 | 56 | 39 | 31 | 95 | 15 | <5 | 5 | <10 | <0.2 | <2 | 29 |
| 875S | <5 | <0.2 | 202 | 28 | 32 | 18 | 14 | 57 | 15 | <5 | 4 | <10 | <0.2 | 2 | 36 |
| 876S | <5 | <0.2 | 400 | <20 | 33 | 12 | 15 | 59 | 20 | <5 | 1 | <10 | <0.2 | <2 | 43 |
| 877S | <5 | <0.2 | 110 | <20 | 27 | 13 | 14 | 67 | 18 | <5 | 2 | <10 | <0.2 | 4 | 47 |
| 878S | <5 | <0.2 | 463 | <20 | 46 | 28 | 30 | 75 | 16 | <5 | 6 | <10 | <0.2 | <2 | 39 |
| 879S | <5 | <0.2 | 595 | 48 | 39 | 32 | 24 | 82 | 17 | <5 | 4 | <10 | <0.2 | <2 | 40 |
| 880S | 6 | <0.2 | 800 | <20 | 35 | 23 | 22 | 81 | 16 | <5 | 5 | <10 | <0.2 | <2 | 40 |
| 882S | <5 | <0.2 | 477 | 49 | 30 | 20 | 18 | 77 | 16 | <5 | 4 | <10 | <0.2 | <2 | 42 |
| 883S | <5 | <0.2 | 464 | 50 | 30 | 20 | 16 | 70 | 16 | <5 | 3 | <10 | <0.2 | <2 | 42 |
| 884S | <5 | <0.2 | 116 | 46 | 29 | <10 | 13 | 79 | 24 | <5 | 0 | <10 | <0.2 | 5 | 55 |
| 886S | <5 | <0.2 | 337 | <20 | 26 | 15 | 15 | 64 | 16 | <5 | 5 | <10 | <0.2 | <2 | 43 |
| 887S | <5 | 0.3 | 134 | <20 | 31 | 18 | 18 | 67 | 15 | <5 | 2 | <10 | <0.2 | 4 | 47 |
| 888S | <5 | <0.2 | 656 | 58 | 35 | 19 | 20 | 66 | 18 | <5 | 2 | <10 | <0.2 | <2 | 50 |
| 889S | <5 | <0.2 | 609 | 35 | 28 | 23 | 20 | 110 | 14 | <5 | 9 | <10 | <0.2 | <2 | 39 |
| 890S | <5 | <0.2 | 547 | <20 | 40 | 31 | 26 | 80 | 18 | <5 | 10 | <10 | <0.2 | <2 | 45 |
| 891S | <5 | 0.2 | 574 | <20 | 31 | 21 | 18 | 76 | 16 | <5 | 3 | <10 | <0.2 | <2 | 44 |
| 892S | <5 | <0.2 | 1158 | <20 | 22 | 20 | 14 | 58 | 12 | <5 | 9 | <10 | <0.2 | <2 | 31 |
| 893T | <5 | <0.2 | 394 | 38 | 26 | 17 | 15 | 67 | 12 | <5 | 6 | <10 | 0.6 | <2 | 26 |
| 894T | <5 | <0.2 | 558 | <20 | 35 | 21 | 21 | 82 | 16 | <5 | 9 | <10 | 0.3 | <2 | 36 |
| 895S | 9 | 0.3 | 451 | 57 | 40 | 29 | 25 | 96 | 18 | <5 | 3 | <10 | <0.2 | <2 | 41 |
| 897T | <5 | <0.2 | 278 | 92 | 33 | 26 | 20 | 100 | 22 | <5 | 5 | <10 | <0.2 | 3 | 61 |
| 898S | <5 | <0.2 | 630 | 41 | 34 | 27 | 23 | 120 | 18 | <5 | 3 | <10 | <0.2 | <2 | 48 |
| 899S | <5 | 0.3 | 628 | 66 | 45 | 35 | 37 | 110 | 23 | <5 | 3 | <10 | <0.2 | <2 | 64 |
| 901S | 7 | <0.2 | 827 | 57 | 36 | 24 | 25 | 66 | 20 | <5 | 10 | <10 | <0.2 | <2 | 50 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 731T | <20 | 16 | 4 | 11 | 4 | <500 | 7 | 27 | 1.4 | 5.2 | 4.2 | 1.7 | 1.4 | 0.3 |
| 733T | <20 | 17 | 4 | 13 | 4 | <500 | 9 | 21 | 0.8 | 5.7 | 4.6 | 2.1 | 1.8 | 0.4 |
| 734T | <20 | 17 | 4 | 11 | 4 | <500 | 9 | 26 | 0.8 | 5.4 | 4.9 | 2.0 | 1.7 | 0.2 |
| 735T | <20 | 15 | 4 | 13 | 4 | <500 | 9 | 31 | 1.1 | 5.1 | 4.0 | 2.3 | 1.8 | 0.2 |
| 737S | <20 | 15 | 4 | 13 | 4 | <500 | 12 | 30 | 1.2 | 4.5 | 4.2 | 2.4 | 2.1 | 0.2 |
| 738S | <20 | 17 | 4 | 12 | 4 | <500 | 6 | 34 | 1.4 | 4.3 | 4.1 | 2.4 | 1.9 | 0.2 |
| 739S | <20 | 18 | 3 | 11 | 4 | <500 | 4 | 32 | 1.2 | 4.9 | 4.1 | 2.6 | 2.1 | 0.1 |
| 785T | <20 | 19 | 4 | 12 | 4 | <500 | 8 | 19 | 0.5 | 5.0 | 4.6 | 2.4 | 2.0 | 0.2 |
| 786T | <20 | 18 | 4 | 12 | 5 | <500 | 8 | 20 | 0.6 | 4.9 | 4.4 | 2.4 | 1.9 | 0.2 |
| 787T | <20 | 15 | 4 | 11 | 8 | <500 | 11 | 29 | 0.9 | 4.8 | 4.3 | 2.2 | 1.6 | 0.2 |
| 788T | <20 | 15 | 3 | 12 | 4 | <500 | 12 | 19 | 0.4 | 5.4 | 4.6 | 2.1 | 1.8 | 0.2 |
| 789T | <20 | 13 | 3 | 10 | 3 | <500 | 4 | 19 | 0.4 | 4.9 | 4.5 | 1.7 | 1.4 | 0.2 |
| 790T | <20 | 15 | 3 | 9 | 4 | <500 | 4 | 18 | 0.3 | 5.1 | 4.7 | 1.6 | 1.5 | 0.2 |
| 791T | <20 | 18 | 4 | 8 | 4 | <500 | 11 | 30 | 1.0 | 6.0 | 5.0 | 1.9 | 1.6 | 0.2 |
| 792T | <20 | 16 | 4 | 12 | 5 | <500 | 11 | 16 | 0.5 | 5.4 | 4.9 | 2.0 | 1.8 | 0.4 |
| 793T | <20 | 16 | 4 | 12 | 4 | <500 | 8 | 16 | 0.4 | 5.4 | 4.8 | 1.9 | 1.6 | 0.4 |
| 794S | <20 | 16 | 4 | 11 | 4 | <500 | 6 | 17 | 0.5 | 5.8 | 4.7 | 1.7 | 1.5 | 0.4 |
| 795T | <20 | 17 | 4 | 11 | 5 | <500 | 8 | 17 | 0.5 | 5.1 | 4.7 | 1.8 | 1.6 | 0.4 |
| 796T | <20 | 16 | 4 | 11 | 4 | <500 | 7 | 23 | 1.0 | 5.2 | 4.6 | 1.5 | 1.4 | 0.4 |
| 797S | <20 | 17 | 4 | 9 | 3 | <500 | 7 | 24 | 1.2 | 5.6 | 4.6 | 1.5 | 1.2 | 0.4 |
| 798S | <20 | 16 | 4 | 11 | 3 | <500 | 8 | 18 | 0.6 | 5.2 | 4.9 | 1.8 | 1.6 | 0.4 |
| 799S | <20 | 16 | 4 | 12 | 3 | <500 | 6 | 21 | 0.8 | 5.4 | 4.5 | 1.8 | 1.6 | 0.4 |
| 800T | <20 | 18 | 4 | 12 | 4 | <500 | 8 | 18 | 0.5 | 5.6 | 4.7 | 1.8 | 1.6 | 0.5 |
| 802T | <20 | 18 | 4 | 9 | <2 | <500 | 11 | 22 | 0.7 | 5.8 | 5.2 | 2.0 | 1.6 | 0.3 |
| 803S | <20 | 19 | 4 | 8 | 3 | <500 | 11 | 17 | 0.3 | 6.8 | 5.8 | 1.9 | 1.6 | 0.2 |
| 804S | <20 | 15 | 3 | 9 | 3 | <500 | 6 | 18 | 0.3 | 5.2 | 5.0 | 1.6 | 1.3 | 0.2 |
| 806S | <20 | 17 | 4 | 11 | 8 | 750 | 13 | 33 | 1.2 | 5.2 | 4.5 | 2.1 | 1.7 | 0.2 |
| 807S | <20 | 18 | 4 | 13 | 4 | <500 | 11 | 21 | 0.6 | 5.4 | 4.5 | 2.5 | 2.1 | 0.2 |
| 808T | <20 | 20 | 4 | 11 | 3 | <500 | 8 | 20 | 0.6 | 5.1 | 4.5 | 2.5 | 2.1 | 0.1 |
| 809T | <20 | 18 | 4 | 13 | 4 | <500 | 8 | 17 | 0.5 | 5.2 | 4.5 | 2.6 | 2.1 | 0.2 |
| 810T | <20 | 20 | 5 | 13 | 4 | <500 | 13 | 25 | 0.7 | 5.0 | 4.4 | 2.5 | 2.0 | 0.2 |
| 811T | <20 | 16 | 4 | 10 | 8 | <500 | 12 | 31 | 0.8 | 5.3 | 4.5 | 2.0 | 1.5 | 0.2 |
| 812T | <20 | 18 | 5 | 7 | 6 | <500 | 11 | 20 | 0.3 | 5.9 | 4.9 | 1.5 | 1.2 | 0.2 |
| 813S | <20 | 18 | 4 | 7 | 4 | <500 | 9 | 22 | 0.3 | 6.3 | 5.5 | 1.5 | 1.3 | 0.2 |
| 814T | <20 | 17 | 3 | 9 | 4 | <500 | 8 | 18 | 0.4 | 5.4 | 5.1 | 2.1 | 1.7 | 0.2 |
| 815T | <20 | 17 | 4 | 9 | 3 | <500 | 12 | 31 | 1.2 | 6.2 | 5.6 | 2.0 | 1.6 | 0.3 |
| 816T | <20 | 16 | 4 | 13 | 4 | <500 | 9 | 20 | 0.7 | 5.2 | 4.8 | 2.0 | 1.8 | 0.4 |
| 817T | <20 | 17 | 4 | 12 | 3 | <500 | 10 | 17 | 0.5 | 5.7 | 4.9 | 2.0 | 1.7 | 0.4 |
| 818T | <20 | 17 | 4 | 12 | 4 | <500 | 8 | 18 | 0.5 | 5.7 | 4.8 | 1.7 | 1.6 | 0.5 |
| 819T | <20 | 16 | 4 | 13 | 4 | <500 | 8 | 17 | 0.5 | 5.7 | 4.9 | 1.9 | 1.7 | 0.4 |
| 820T | <20 | 16 | 4 | 11 | <2 | <500 | 8 | 20 | 0.7 | 5.5 | 4.7 | 1.9 | 1.6 | 0.4 |
| 875S | <20 | 14 | 5 | 27 | 6 | <500 | 5 | 22 | 0.4 | 3.3 | 3.0 | 1.8 | 2.1 | 0.2 |
| 876S | <20 | 12 | 5 | 34 | 4 | <500 | 3 | 14 | 0.3 | 3.8 | 3.4 | 2.3 | 2.3 | 0.1 |
| 877S | <20 | 14 | 4 | 27 | 4 | <500 | 5 | 13 | 0.3 | 3.4 | 3.3 | 2.2 | 2.3 | 0.1 |
| 878S | <20 | 15 | 4 | 12 | 4 | <500 | 3 | 24 | 0.6 | 4.9 | 4.7 | 2.0 | 1.8 | 0.1 |
| 879S | <20 | 15 | 4 | 14 | 3 | <500 | 2 | 20 | 0.4 | 5.0 | 4.3 | 2.0 | 2.0 | 0.1 |
| 880S | <20 | 16 | 3 | 14 | 3 | <500 | 2 | 19 | 0.5 | 4.4 | 4.0 | 2.0 | 1.9 | 0.1 |
| 882S | <20 | 19 | 4 | 14 | 5 | <500 | 3 | 14 | 0.4 | 4.2 | 3.2 | 2.2 | 1.9 | 0.1 |
| 883S | <20 | 17 | 3 | 20 | 6 | <500 | 2 | 13 | 0.3 | 3.6 | 3.1 | 2.2 | 2.1 | 0.1 |
| 884S | <20 | 10 | 3 | 48 | 3 | <500 | 2 | 4 | 0.1 | 3.4 | 3.5 | 2.5 | 2.9 | 0.1 |
| 886S | <20 | 15 | 3 | 21 | 4 | <500 | 2 | 4 | 0.1 | 3.5 | 3.1 | 1.8 | 2.0 | 0.1 |
| 887S | <20 | 12 | 3 | 17 | 4 | <500 | 4 | 4 | 0.0 | 4.4 | 3.8 | 1.9 | 2.3 | 0.1 |
| 888S | <20 | 16 | 3 | 16 | 5 | <500 | 4 | 15 | 0.3 | 4.4 | 4.0 | 2.1 | 2.6 | 0.1 |
| 889S | <20 | 18 | 4 | 10 | 4 | <500 | 3 | 30 | 1.1 | 3.9 | 3.3 | 2.0 | 1.8 | 0.1 |
| 890S | <20 | 16 | 3 | 11 | 4 | <500 | 3 | 16 | 0.5 | 4.7 | 4.3 | 2.2 | 2.0 | 0.1 |
| 891S | <20 | 15 | 3 | 14 | 4 | <500 | 3 | 19 | 0.6 | 4.6 | 3.8 | 2.0 | 2.0 | 0.1 |
| 892S | <20 | 10 | 3 | 11 | <2 | <500 | 3 | 45 | 1.4 | 3.9 | 2.8 | 1.7 | 1.6 | 0.1 |
| 893T | <20 | 15 | 4 | 13 | 5 | <500 | 3 | 61 | 2.9 | 3.9 | 2.9 | 2.2 | 1.4 | 0.1 |
| 894T | <20 | 19 | 4 | 15 | 4 | 660 | 3 | 24 | 0.9 | 4.0 | 3.7 | 2.2 | 1.8 | 0.1 |
| 895S | <20 | 19 | 5 | 18 | 5 | <500 | 3 | 20 | 0.3 | 4.6 | 4.4 | 2.1 | 2.0 | 0.1 |
| 897T | <20 | 18 | 2 | 10 | 4 | 790 | 2 | 64 | 3.1 | 4.1 | 3.5 | 2.6 | 2.4 | 0.1 |
| 898S | <20 | 13 | 3 | 16 | <2 | <500 | 3 | 13 | 0.2 | 4.7 | 4.0 | 2.1 | 2.5 | 0.1 |
| 899S | <20 | 15 | 2 | 15 | 5 | <500 | 4 | 7 | 0.1 | 5.3 | 5.2 | 2.8 | 3.2 | 0.1 |
| 901S | <20 | 17 | 3 | 11 | 6 | <500 | 2 | 15 | 0.4 | 4.8 | 4.3 | 2.3 | 2.2 | 0.1 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 731T | 0.5 | <0.01 | 0.03 | 87 | 7 | <2 | <100 | 48 | 19 | <0.5 | 0 | 160 | 15 | <5 |
| 733T | 0.5 | <0.01 | 0.04 | 90 | 8 | <2 | <100 | 51 | 21 | <0.5 | 0 | 180 | 15 | <5 |
| 734T | 0.6 | <0.01 | 0.02 | 99 | 7 | <2 | <100 | 54 | 18 | <0.5 | 0 | 150 | 14 | <5 |
| 735T | 0.7 | <0.01 | 0.01 | 89 | 6 | <2 | <100 | 48 | 19 | <0.5 | 0 | 160 | 13 | <5 |
| 737S | 0.6 | <0.01 | <0.01 | 78 | 8 | <2 | <100 | 45 | 20 | <0.5 | 0 | 160 | 12 | <5 |
| 738S | 0.7 | <0.01 | 0.01 | 89 | 6 | <2 | <100 | 47 | 20 | <0.5 | 0 | 150 | 13 | <5 |
| 739S | 0.6 | <0.01 | <0.01 | 98 | 5 | <2 | <100 | 58 | 27 | <0.5 | 0 | 160 | 14 | <5 |
| 785T | 0.7 | <0.01 | <0.01 | 95 | 7 | <2 | <100 | 53 | 21 | <0.5 | 0 | 160 | 15 | <5 |
| 786T | 0.7 | <0.01 | <0.01 | 76 | 8 | <2 | <100 | 50 | 16 | <0.5 | 0 | 160 | 13 | <5 |
| 787T | 0.5 | <0.01 | <0.01 | 90 | 7 | <2 | <100 | 50 | 17 | <0.5 | 0 | 140 | 13 | <5 |
| 788T | 0.6 | <0.01 | 0.02 | 72 | 8 | <2 | <100 | 45 | 15 | <0.5 | 0 | 140 | 15 | <5 |
| 789T | 0.5 | <0.01 | 0.01 | 82 | 6 | 2 | <100 | 41 | 20 | <0.5 | 0 | 160 | 16 | <5 |
| 790T | 0.6 | <0.01 | 0.02 | 89 | 5 | 3 | <100 | 49 | 21 | <0.5 | 0 | 120 | 16 | <5 |
| 791T | 0.5 | <0.01 | 0.01 | 93 | 6 | <2 | <100 | 60 | 20 | <0.5 | 0 | 160 | 14 | <5 |
| 792T | 0.4 | <0.01 | 0.04 | 70 | 9 | <2 | <100 | 43 | 20 | <0.5 | 0 | 160 | 15 | <5 |
| 793T | 0.5 | <0.01 | 0.04 | 78 | 8 | <2 | <100 | 48 | 22 | <0.5 | 0 | 160 | 15 | <5 |
| 794S | 0.5 | <0.01 | 0.04 | 89 | 8 | <2 | <100 | 49 | 22 | <0.5 | 0 | 140 | 15 | <5 |
| 795T | 0.4 | <0.01 | 0.04 | 77 | 7 | <2 | <100 | 44 | 21 | <0.5 | 0 | 150 | 12 | <5 |
| 796T | 0.5 | <0.01 | 0.05 | 86 | 7 | <2 | <100 | 48 | 24 | <0.5 | 0 | 170 | 14 | <5 |
| 797S | 0.3 | <0.01 | 0.04 | 86 | 8 | <2 | <100 | 50 | 23 | <0.5 | 0 | 160 | 14 | <5 |
| 798S | 0.4 | <0.01 | 0.04 | 76 | 7 | 3 | <100 | 47 | 20 | <0.5 | 0 | 190 | 14 | <5 |
| 799S | 0.5 | <0.01 | 0.04 | 78 | 7 | <2 | <100 | 48 | 22 | <0.5 | 0 | 180 | 14 | <5 |
| 600T | 0.4 | <0.01 | 0.04 | 80 | 9 | <2 | <100 | 50 | 23 | <0.5 | 0 | 170 | 14 | <5 |
| 802T | 0.4 | <0.01 | 0.02 | 84 | 6 | <2 | <100 | 50 | 16 | <0.5 | 0 | 180 | 14 | <5 |
| 803S | 0.5 | <0.01 | <0.01 | 90 | 8 | <2 | <100 | 53 | 18 | <0.5 | 0 | 200 | 16 | <5 |
| 804S | 0.5 | <0.01 | 0.01 | 94 | 6 | <2 | <100 | 45 | 20 | <0.5 | 0 | 180 | 16 | <5 |
| 806S | 0.4 | <0.01 | <0.01 | 70 | 9 | <2 | <100 | 45 | 15 | <0.5 | 0 | 180 | 14 | <5 |
| 807S | 0.7 | <0.01 | <0.01 | 75 | 11 | <2 | <100 | 45 | 18 | <0.5 | 0 | 170 | 13 | <5 |
| 808T | 0.7 | <0.01 | <0.01 | 97 | 8 | <2 | <100 | 58 | 23 | <0.5 | 0 | 170 | 15 | <5 |
| 809T | 0.7 | <0.01 | <0.01 | 78 | 7 | <2 | <100 | 51 | 20 | <0.5 | 0 | 150 | 15 | <5 |
| 810T | 0.6 | <0.01 | <0.01 | 80 | 11 | <2 | <100 | 49 | 18 | <0.5 | 0 | 170 | 13 | <5 |
| 811T | 0.4 | <0.01 | <0.01 | 70 | 8 | <2 | <100 | 46 | 15 | <0.5 | 0 | 180 | 14 | <5 |
| 812T | 0.3 | <0.01 | <0.01 | 82 | 8 | <2 | <100 | 56 | 18 | <0.5 | 0 | 170 | 16 | <5 |
| 813S | 0.4 | <0.01 | <0.01 | 85 | 9 | <2 | <100 | 55 | 15 | <0.5 | 0 | 170 | 17 | <5 |
| 814T | 0.5 | <0.01 | 0.01 | 87 | 8 | <2 | <100 | 52 | 20 | <0.5 | 0 | 160 | 15 | <5 |
| 815T | 0.5 | <0.01 | 0.02 | 84 | 7 | <2 | <100 | 53 | 11 | <0.5 | 0 | 160 | 15 | <5 |
| 816T | 0.5 | <0.01 | 0.04 | 72 | 7 | <2 | <100 | 46 | 21 | <0.5 | 0 | 160 | 16 | <5 |
| 817T | 0.4 | <0.01 | 0.04 | 79 | 10 | <2 | <100 | 51 | 20 | <0.5 | 0 | 150 | 15 | <5 |
| 818T | 0.5 | <0.01 | 0.04 | 100 | 9 | <2 | <100 | 56 | 23 | <0.5 | 0 | 180 | 14 | <5 |
| 819T | 0.5 | <0.01 | 0.05 | 90 | 9 | <2 | <100 | 48 | 22 | <0.5 | 0 | 170 | 16 | <5 |
| 820T | 0.4 | <0.01 | 0.04 | 76 | 8 | <2 | <100 | 47 | 21 | <0.5 | 0 | 160 | 13 | <5 |
| 875S | 1.0 | <0.01 | <0.01 | 79 | 5 | <2 | <100 | 42 | 21 | <0.5 | 0 | 130 | 9.2 | <5 |
| 876S | 1.0 | <0.01 | <0.01 | 78 | 5 | <2 | <100 | 40 | 19 | <0.5 | 0 | 120 | 11 | <5 |
| 877S | 1.0 | <0.01 | <0.01 | 83 | 4 | <2 | <100 | 46 | 24 | <0.5 | 0 | 140 | 11 | <5 |
| 878S | 0.6 | <0.01 | <0.01 | 78 | 7 | <2 | <100 | 44 | 13 | <0.5 | 0 | 150 | 15 | <5 |
| 879S | 0.8 | <0.01 | <0.01 | 93 | 7 | <2 | <100 | 48 | 18 | <0.5 | 0 | 150 | 17 | <5 |
| 860S | 0.8 | <0.01 | <0.01 | 110 | 6 | <2 | <100 | 50 | 24 | <0.5 | 0 | 160 | 17 | <5 |
| 882S | 0.9 | <0.01 | <0.01 | 100 | 5 | <2 | <100 | 53 | 20 | <0.5 | 0 | 150 | 14 | <5 |
| 883S | 1.0 | <0.01 | <0.01 | 96 | 5 | <2 | <100 | 54 | 24 | <0.5 | 0 | 140 | 12 | <5 |
| 884S | 0.8 | <0.01 | <0.01 | 69 | 5 | <2 | <100 | 37 | 16 | <0.5 | 0 | 110 | 11 | <5 |
| 886S | 1.1 | <0.01 | <0.01 | 93 | 6 | 2 | <100 | 50 | 23 | <0.5 | 0 | 140 | 11 | <5 |
| 887S | 0.9 | <0.01 | 0.01 | 61 | 6 | <2 | <100 | 38 | 14 | <0.5 | 1 | 150 | 14 | <5 |
| 888S | 1.0 | <0.01 | <0.01 | 95 | 7 | <2 | <100 | 48 | 23 | <0.5 | 0 | 150 | 14 | <5 |
| 889S | 0.8 | <0.01 | <0.01 | 89 | 7 | <2 | <100 | 47 | 14 | <0.5 | 0 | 160 | 13 | <5 |
| 890S | 0.6 | <0.01 | <0.01 | 95 | 8 | 2 | <100 | 52 | 16 | <0.5 | 0 | 170 | 16 | <5 |
| 891S | 0.9 | <0.01 | <0.01 | 97 | 7 | <2 | <100 | 47 | 23 | <0.5 | 0 | 180 | 16 | <5 |
| 892S | 0.8 | <0.01 | <0.01 | 73 | 6 | <2 | <100 | 41 | 12 | <0.5 | 0 | 140 | 16 | <5 |
| 893T | 1.0 | <0.01 | 0.02 | 88 | 3 | <2 | <100 | 49 | 18 | <0.5 | 0 | 120 | 10 | <5 |
| 894T | 0.8 | <0.01 | <0.01 | 110 | 6 | <2 | <100 | 53 | 20 | <0.5 | 0 | 150 | 13 | <5 |
| 895S | 0.6 | <0.01 | <0.01 | 110 | 8 | <2 | <100 | 52 | 21 | <0.5 | 0 | 160 | 16 | <5 |
| 897T | 0.5 | <0.01 | <0.01 | 120 | 7 | <2 | <100 | 70 | 25 | <0.5 | 0 | 180 | 14 | <5 |
| 898S | 0.8 | <0.01 | 0.01 | 84 | 6 | <2 | <100 | 45 | 21 | <0.5 | 0 | 180 | 16 | <5 |
| 899S | 1.0 | <0.01 | <0.01 | 110 | 6 | <2 | <100 | 48 | 23 | <0.5 | 0 | 130 | 16 | <5 |
| 901S | 0.8 | <0.01 | <0.01 | 110 | 9 | <2 | <100 | 59 | 25 | <0.5 | 0 | 150 | 19 | 6 |

# Albert River

## Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 731T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 733T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 734T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 735T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 7 | <5 |
| 737S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| 738S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 739S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 785T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 786T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 8 | <5 |
| 787T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 6 | <5 |
| 788T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 789T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 790T | <10 | 6 | <200 | 2 | <10 | 1 | <20 | <10 | 13 | <5 |
| 791T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 792T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 793T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 794S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 795T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 796T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 797S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 798S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 799S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 13 | <5 |
| 800T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 802T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 803S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 10 | <5 |
| 804S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 14 | <5 |
| 806S | <10 | 5 | <200 | 2 | <10 | 0 | <20 | <10 | 6 | <5 |
| 807S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 7 | <5 |
| 808T | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 809T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 810T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 811T | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 812T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 813S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 814T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 815T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 10 | <5 |
| 816T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 12 | <5 |
| 817T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 818T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 819T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 13 | <5 |
| 820T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 875S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 6 | <5 |
| 876S | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 877S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 878S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 11 | <5 |
| 879S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 14 | <5 |
| 880S | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 20 | <5 |
| 882S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 883S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 884S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 1 | <5 |
| 886S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 887S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 3 | <5 |
| 888S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 889S | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 11 | <5 |
| 890S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 13 | <5 |
| 891S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 15 | <5 |
| 892S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 13 | <5 |
| 893T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 894T | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 13 | <5 |
| 895S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 897T | <10 | 8 | <200 | 0 | <10 | 1 | <20 | <10 | 6 | <5 |
| 898S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 899S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 901S | <10 | 10 | <200 | 1 | <10 | 2 | <20 | <10 | 27 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 902S | 120 | 87 | 21 | 12 | <5 | 4 | <5 | 3 | 5 | <200 | 102 | 31 | 24 | 820 | 94 |
| 903S | 88 | 72 | 56 | 20 | <5 | 10 | 5 | 3 | 8 | 210 | 116 | 36 | 26 | 730 | 89 |
| 904T | 110 | 70 | 400 | 50 | 15 | 20 | 9 | 30 | 29 | <200 | 179 | 80 | 53 | 910 | 76 |
| 905T | 22 | <20 | 22 | 17 | 7 | 12 | 7 | <2 | 6 | <200 | 106 | 31 | 41 | 740 | 46 |
| 906S | 9 | <20 | 89 | 16 | <5 | 6 | <5 | 5 | 9 | <200 | 136 | 35 | 37 | 630 | 36 |
| 907S | 15 | <20 | 25 | 9 | <5 | 4 | <5 | <2 | 6 | <200 | 103 | 24 | 33 | 650 | 37 |
| 908S | 4 | <20 | <5 | 6 | <5 | 2 | <5 | <2 | 6 | <200 | 133 | 26 | 29 | 750 | 34 |
| 909T | <2 | <20 | <5 | 8 | <5 | 2 | <5 | 4 | 6 | <200 | 125 | 35 | 32 | 630 | 35 |
| 910T | <2 | <20 | <5 | 10 | <5 | 2 | <5 | 4 | 7 | <200 | 98 | 23 | 28 | 1300 | 103 |
| 911T | <2 | <20 | <5 | 8 | <5 | 2 | <5 | 6 | 7 | <200 | 148 | 28 | 33 | 850 | 46 |
| 912T | <2 | <20 | <5 | 8 | <5 | 2 | <5 | 4 | 7 | <200 | 125 | 26 | 32 | 790 | 30 |
| 913S | 23 | <20 | 190 | 28 | 16 | 11 | 8 | 9 | 13 | <200 | 156 | 43 | 45 | 660 | 44 |
| 915S | 77 | 54 | 505 | 47 | 23 | 22 | 12 | 21 | 21 | 260 | 198 | 63 | 46 | 740 | 43 |
| 916S | 110 | 86 | 70 | 17 | <5 | 6 | <5 | 5 | 9 | <200 | 122 | 35 | 33 | 710 | 97 |
| 917S | 130 | 123 | 150 | 24 | <5 | 17 | 7 | 6 | 10 | <200 | 113 | 33 | 38 | 760 | 46 |
| 919S | <2 | <20 | 15 | 12 | 7 | 4 | <5 | <2 | 9 | <200 | 99 | 30 | 53 | 520 | 35 |
| 920S | <2 | <20 | <5 | 3 | <5 | 1 | <5 | <2 | 2 | <200 | 61 | 11 | 17 | 390 | 19 |
| 921S | 41 | 27 | 59 | 12 | <5 | 4 | <5 | 3 | 6 | <200 | 83 | 26 | 43 | 730 | 48 |
| 922S | 150 | 118 | 43 | 13 | <5 | 4 | <5 | <2 | 7 | <200 | 139 | 31 | 37 | 810 | 76 |
| 923S | 7 | <20 | <5 | 9 | <5 | 1 | <5 | <2 | 5 | <200 | 122 | 32 | 35 | 780 | 59 |
| 0001S | 11 | <20 | <5 | 8 | <5 | 1 | <5 | <2 | 6 | 270 | 142 | 29 | 33 | 970 | 56 |
| 0002T | 9 | <20 | <5 | 88 | 59 | 4 | <5 | 3 | 11 | <200 | 97 | 160 | 310 | 730 | 65 |
| 0003T | 7 | <20 | <5 | 14 | <5 | 2 | <5 | 3 | 6 | <200 | 127 | 41 | 66 | 930 | 64 |
| 0004S | 39 | 28 | <5 | 13 | <5 | 3 | <5 | <2 | 6 | <200 | 104 | 31 | 55 | 840 | 91 |
| 0005S | 4 | <20 | <5 | 10 | <5 | 1 | <5 | <2 | 5 | <200 | 80 | 32 | 85 | 820 | 64 |
| 0006S | <2 | <20 | 6 | 18 | 13 | 1 | <5 | <2 | 5 | <200 | 90 | 36 | 80 | 970 | 57 |
| 0007S | <2 | <20 | <5 | 15 | <5 | 1 | <5 | <2 | 7 | <200 | 115 | 39 | 84 | 860 | 67 |
| 0008S | <2 | <20 | <5 | 11 | 7 | 1 | <5 | <2 | 5 | <200 | 98 | 31 | 39 | 900 | 53 |
| 0010S | <2 | <20 | 6 | 23 | 8 | 1 | <5 | <2 | 6 | <200 | 131 | 51 | 129 | 940 | 73 |
| 0011T | 10 | <20 | <5 | 8 | <5 | 1 | <5 | <2 | 5 | <200 | 94 | 28 | 40 | 970 | 104 |
| 0012T | 45 | 26 | 7 | 13 | <5 | 2 | <5 | 3 | 7 | 230 | 205 | 53 | 58 | 920 | 60 |
| 0013T | 20 | <20 | <5 | 7 | <5 | 1 | <5 | <2 | 5 | <200 | 132 | 30 | 39 | 1100 | 61 |
| 0014S | 5 | <20 | <5 | 6 | <5 | 1 | <5 | <2 | 4 | <200 | 103 | 24 | 34 | 950 | 88 |
| 0015S | 6 | <20 | <5 | 14 | <5 | 4 | <5 | 3 | 6 | 210 | 115 | 30 | 44 | 820 | 97 |
| 0016T | 77 | 33 | <5 | 12 | 6 | 3 | <5 | <2 | 5 | <200 | 99 | 32 | 41 | 660 | 46 |
| 0017S | 3 | <20 | <5 | 11 | <5 | 1 | <5 | <2 | 5 | <200 | 97 | 22 | 40 | 890 | 45 |
| 0018T | 3 | <20 | <5 | 17 | 5 | 2 | <5 | 4 | 8 | <200 | 107 | 44 | 105 | 790 | 53 |
| 0019S | 6 | <20 | <5 | 13 | 6 | 2 | <5 | 3 | 7 | <200 | 220 | 46 | 74 | 810 | 55 |
| 0021S | 26 | <20 | <5 | 11 | <5 | 1 | <5 | <2 | 6 | <200 | 136 | 37 | 39 | 920 | 50 |
| 0023S | 4 | <20 | <5 | 8 | <5 | 1 | <5 | <2 | 5 | <200 | 93 | 27 | 36 | 970 | 105 |
| 0025S | 3 | <20 | <5 | 13 | 8 | 1 | <5 | <2 | 6 | <200 | 100 | 21 | 35 | 790 | 60 |
| 0026S | <2 | <20 | <5 | 18 | 11 | 1 | <5 | <2 | 6 | <200 | 99 | 42 | 120 | 820 | 65 |
| 0027S | 8 | <20 | <5 | 8 | <5 | 1 | <5 | 3 | 5 | <200 | 103 | 25 | 35 | 610 | 67 |
| 0028S | 11 | <20 | <5 | 9 | <5 | 2 | <5 | 2 | 6 | <200 | 132 | 26 | 49 | 730 | 57 |
| 0029T | 15 | <20 | <5 | 12 | <5 | 2 | <5 | 4 | 6 | 270 | 134 | 31 | 38 | 1600 | 170 |
| 0030S | 5 | <20 | <5 | 8 | <5 | 1 | <5 | <2 | 6 | <200 | 124 | 27 | 35 | 1000 | 37 |
| 1000S | 5 | <20 | <5 | 9 | <5 | 2 | <5 | <2 | 4 | <200 | 111 | 22 | 18 | 760 | 57 |
| 1002S | 5 | <20 | 38 | 79 | 54 | 32 | 23 | 9 | 13 | 730 | 710 | 102 | 161 | 1200 | 247 |
| 1003S | 3 | <20 | 10 | 23 | 14 | 4 | <5 | 7 | 9 | 260 | 155 | 55 | 48 | 1600 | 82 |
| 1004S | <2 | <20 | <5 | 19 | <5 | 6 | <5 | 7 | 13 | 230 | 192 | 78 | 108 | 900 | 66 |
| 1005S | <2 | <20 | <5 | 12 | <5 | 2 | <5 | 7 | 8 | <200 | 89 | 33 | 41 | 570 | 90 |
| 1006S | <2 | <20 | <5 | 23 | 25 | 4 | <5 | 5 | 12 | <200 | 154 | 63 | 107 | 1000 | 136 |
| 1007S | <2 | <20 | 6 | 30 | 27 | 5 | <5 | 21 | 22 | <200 | 188 | 74 | 124 | 840 | 106 |
| 1010S | 3 | <20 | <5 | 12 | <5 | 2 | <5 | 5 | 8 | <200 | 110 | 49 | 84 | 870 | 125 |
| 1012S | <2 | <20 | <5 | 5 | <5 | 1 | <5 | 3 | 8 | <200 | 79 | 48 | 96 | 1000 | 94 |
| 1014T | 4 | <20 | 12 | 23 | 17 | 4 | <5 | 7 | 9 | <200 | 144 | 50 | 51 | 1700 | 71 |
| 1016S | 3 | <20 | 19 | 38 | 31 | 11 | 7 | <2 | 5 | <200 | 128 | 50 | 80 | 910 | 117 |
| 1017S | 5 | <20 | 9 | 12 | 7 | 2 | <5 | <2 | 5 | <200 | 89 | 28 | 15 | 1100 | 70 |
| 1018S | 3 | <20 | <5 | 9 | <5 | 2 | <5 | 3 | 6 | <200 | 56 | 50 | 20 | 620 | 72 |
| 1019S | 7 | <20 | 55 | 34 | 25 | 20 | 14 | 5 | 8 | <200 | 144 | 33 | 64 | 1200 | 80 |
| 1020T | 5 | <20 | 11 | 22 | 17 | 4 | <5 | 6 | 8 | <200 | 151 | 55 | 48 | 1500 | 69 |
| 1021T | 6 | <20 | 15 | 25 | 21 | 4 | <5 | 6 | 8 | <200 | 141 | 44 | 47 | 1600 | 65 |
| 1022T | <2 | <20 | 10 | 20 | 19 | 3 | <5 | <2 | 7 | <200 | 133 | 38 | 48 | 1100 | 52 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 902S | <5 | <0.2 | 580 | <20 | 33 | 17 | 20 | <50 | 16 | <5 | 6 | <10 | <0.2 | <2 | 41 |
| 903S | <5 | 0.2 | 454 | 54 | 38 | 16 | 20 | 55 | 15 | <5 | 5 | <10 | <0.2 | <2 | 33 |
| 904T | <5 | 0.4 | 562 | 42 | 49 | 27 | 28 | 110 | 10 | <5 | 4 | <10 | 0.8 | <2 | 20 |
| 905T | <5 | 0.2 | 424 | 62 | 47 | 52 | 47 | 58 | 17 | <5 | 4 | <10 | <0.2 | <2 | 51 |
| 906S | <5 | 0.4 | 419 | <20 | 38 | 28 | 25 | 90 | 14 | <5 | 3 | <10 | <0.2 | <2 | 33 |
| 907S | <5 | <0.2 | 493 | <20 | 38 | 28 | 26 | 86 | 21 | <5 | 5 | <10 | <0.2 | <2 | 53 |
| 908S | <5 | <0.2 | 384 | 57 | 34 | 20 | 19 | 73 | 17 | <5 | 6 | <10 | <0.2 | <2 | 42 |
| 909T | <5 | <0.2 | 521 | <20 | 31 | 16 | 19 | 58 | 14 | <5 | 3 | <10 | <0.2 | <2 | 36 |
| 910T | <5 | <0.2 | 284 | 48 | 29 | 15 | 14 | <50 | 12 | <5 | 3 | <10 | <0.2 | <2 | 35 |
| 911T | <5 | <0.2 | 416 | 38 | 33 | 21 | 20 | 65 | 15 | <5 | 2 | <10 | <0.2 | <2 | 34 |
| 912T | <5 | <0.2 | 421 | 49 | 32 | 21 | 19 | 70 | 15 | <5 | 2 | <10 | <0.2 | <2 | 37 |
| 913S | 10 | 0.5 | 481 | <20 | 48 | 39 | 34 | 77 | 16 | <5 | 6 | <10 | <0.2 | <2 | 35 |
| 915S | <5 | 0.7 | 409 | 52 | 52 | 28 | 30 | 100 | 12 | <5 | 6 | <10 | 0.6 | <2 | 20 |
| 916S | <5 | 0.3 | 393 | <20 | 40 | 27 | 22 | 58 | 16 | <5 | 7 | <10 | <0.2 | <2 | 37 |
| 917S | <5 | 0.3 | 498 | <20 | 41 | 25 | 24 | 65 | 15 | <5 | 5 | <10 | 0.4 | <2 | 28 |
| 919S | <5 | 0.3 | 664 | 67 | 43 | 45 | 34 | 59 | 17 | <5 | 13 | <10 | <0.2 | <2 | 58 |
| 920S | <5 | <0.2 | 380 | 29 | 18 | 13 | 9 | 53 | 10 | <5 | 6 | <10 | <0.2 | <2 | 33 |
| 921S | <5 | 0.3 | 713 | <20 | 34 | 30 | 30 | <50 | 15 | <5 | 3 | <10 | <0.2 | <2 | 30 |
| 922S | 11 | 0.3 | 596 | 64 | 39 | 29 | 24 | <50 | 16 | <5 | 10 | <10 | <0.2 | <2 | 33 |
| 923S | <5 | <0.2 | 547 | <20 | 34 | 25 | 23 | 100 | 17 | <5 | 9 | <10 | 0.4 | <2 | 39 |
| 0001S | <5 | <0.2 | 552 | <20 | 40 | 23 | 24 | 86 | 18 | <5 | 4 | <10 | <0.2 | <2 | 45 |
| 0002T | <5 | 0.4 | 466 | 220 | 149 | 130 | 104 | 96 | 17 | 9 | 4 | <10 | <0.2 | <2 | 39 |
| 0003T | <5 | <0.2 | 557 | 49 | 58 | 29 | 31 | 81 | 17 | <5 | 8 | <10 | <0.2 | <2 | 40 |
| 0004S | <5 | <0.2 | 412 | 51 | 53 | 25 | 28 | 68 | 21 | <5 | 11 | <10 | <0.2 | <2 | 56 |
| 0005S | 7 | <0.2 | 564 | 76 | 51 | 37 | 36 | 84 | 16 | <5 | 13 | <10 | <0.2 | <2 | 35 |
| 0006S | <5 | <0.2 | 522 | 43 | 53 | 38 | 34 | 81 | 17 | <5 | 8 | <10 | <0.2 | <2 | 38 |
| 0007S | <5 | <0.2 | 828 | 50 | 55 | 42 | 35 | 66 | 19 | <5 | 16 | <10 | <0.2 | <2 | 47 |
| 0008S | 6 | <0.2 | 592 | <20 | 41 | 23 | 26 | 83 | 18 | <5 | 3 | <10 | <0.2 | <2 | 51 |
| 0010S | <5 | 0.2 | 610 | 91 | 72 | 61 | 49 | 52 | 16 | <5 | 13 | <10 | 0.2 | <2 | 41 |
| 0011T | <5 | <0.2 | 667 | 55 | 44 | 34 | 28 | 83 | 20 | <5 | 4 | <10 | <0.2 | <2 | 55 |
| 0012T | <5 | <0.2 | 362 | 51 | 49 | 43 | 33 | 65 | 13 | <5 | 6 | <10 | <0.2 | <2 | 36 |
| 0013T | <5 | <0.2 | 496 | <20 | 39 | 27 | 23 | 80 | 17 | <5 | 8 | <10 | <0.2 | <2 | 52 |
| 0014S | <5 | <0.2 | 1132 | <20 | 36 | 25 | 23 | 75 | 18 | <5 | 8 | <10 | <0.2 | <2 | 65 |
| 0015S | <5 | <0.2 | 575 | 71 | 46 | 33 | 26 | 64 | 21 | <5 | 4 | <10 | <0.2 | <2 | 69 |
| 0016T | <5 | <0.2 | 312 | 58 | 32 | 22 | 20 | 66 | 16 | <5 | 10 | <10 | 0.4 | <2 | 49 |
| 0017S | <5 | <0.2 | 565 | 42 | 35 | 20 | 22 | 63 | 17 | <5 | 7 | <10 | <0.2 | <2 | 52 |
| 0018T | <5 | <0.2 | 257 | 77 | 64 | 46 | 41 | 78 | 35 | <5 | 8 | <10 | <0.2 | <2 | 46 |
| 0019S | <5 | 0.2 | 478 | 33 | 56 | 37 | 33 | 99 | 19 | 6 | 7 | <10 | <0.2 | <2 | 49 |
| 0021S | <5 | <0.2 | 501 | 99 | 41 | 26 | 25 | 96 | 17 | <5 | 6 | <10 | <0.2 | <2 | 48 |
| 0023S | <5 | <0.2 | 1060 | 47 | 43 | 39 | 31 | 78 | 20 | <5 | 1 | <10 | <0.2 | <2 | 48 |
| 0025S | <5 | <0.2 | 426 | 55 | 38 | 22 | 23 | 97 | 20 | <5 | 5 | <10 | <0.2 | <2 | 58 |
| 0026S | <5 | 0.2 | 645 | 59 | 60 | 48 | 46 | 66 | 18 | <5 | 20 | <10 | <0.2 | <2 | 44 |
| 0027S | <5 | <0.2 | 1097 | <20 | 34 | 23 | 26 | <50 | 16 | <5 | 3 | <10 | <0.2 | <2 | 44 |
| 0028S | 10 | <0.2 | 812 | 69 | 43 | 25 | 29 | 68 | 18 | <5 | 7 | <10 | <0.2 | <2 | 47 |
| 0029T | <5 | <0.2 | 1306 | 80 | 41 | 61 | 30 | 110 | 18 | <5 | 5 | <10 | <0.2 | <2 | 57 |
| 0030S | <5 | <0.2 | 573 | 49 | 38 | 30 | 24 | 94 | 15 | <5 | 6 | <10 | <0.2 | <2 | 43 |
| 1000S | <5 | <0.2 | 701 | <20 | 18 | 23 | 17 | 52 | 6 | <5 | 6 | <10 | 0.6 | <2 | 9 |
| 1002S | <5 | 0.5 | 759 | 140 | 95 | 85 | 71 | 77 | 9 | <5 | 15 | <10 | 2.2 | <2 | 13 |
| 1003S | <5 | 0.3 | 275 | 41 | 40 | 26 | 21 | 66 | 11 | <5 | 5 | <10 | 0.6 | <2 | 21 |
| 1004S | <5 | 0.3 | 949 | 91 | 93 | 58 | 54 | 66 | 8 | 5 | 10 | <10 | 0.3 | <2 | 16 |
| 1005S | <5 | <0.2 | 1006 | <20 | 33 | 43 | 31 | 52 | 8 | <5 | 5 | <10 | <0.2 | <2 | 18 |
| 1006S | <5 | 0.2 | 824 | 54 | 66 | 52 | 58 | 80 | 19 | <5 | 2 | <10 | 0.3 | <2 | 55 |
| 1007S | <5 | 0.3 | 805 | 86 | 64 | 46 | 48 | <50 | 12 | 5 | 11 | <10 | 0.5 | <2 | 44 |
| 1010S | <5 | <0.2 | 917 | 110 | 80 | 61 | 53 | 65 | 10 | <5 | 6 | <10 | <0.2 | <2 | 36 |
| 1012S | <5 | 0.2 | 1077 | 110 | 84 | 50 | 52 | 65 | 10 | 7 | 6 | <10 | <0.2 | <2 | 22 |
| 1014T | <5 | <0.2 | 300 | 45 | 41 | 20 | 24 | 84 | 11 | <5 | 4 | <10 | 0.5 | <2 | 23 |
| 1016S | <5 | 0.2 | 934 | <20 | 70 | 40 | 41 | 63 | 10 | <5 | 9 | <10 | <0.2 | <2 | 23 |
| 1017S | 5 | 0.2 | 777 | <20 | 20 | 18 | 18 | 59 | 9 | <5 | 10 | <10 | <0.2 | <2 | 23 |
| 1018S | <5 | <0.2 | 2151 | <20 | 23 | 29 | 30 | <50 | 11 | <5 | 4 | <10 | 0.2 | <2 | 14 |
| 1019S | <5 | 0.2 | 824 | 76 | 59 | 31 | 39 | <50 | 10 | <5 | 7 | <10 | 0.3 | <2 | 21 |
| 1020T | <5 | 0.3 | 372 | <20 | 40 | 25 | 24 | 87 | 10 | <5 | 5 | <10 | 0.6 | <2 | 22 |
| 1021T | <5 | <0.2 | 272 | 98 | 38 | 23 | 23 | 100 | 11 | <5 | 3 | <10 | 0.3 | <2 | 24 |
| 1022T | <5 | 0.2 | 359 | 86 | 39 | 21 | 25 | 120 | 11 | <5 | 6 | <10 | 0.5 | <2 | 22 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 902S | <20 | 13 | 4 | 21 | 6 | <500 | 4 | 15 | 0.3 | 5.1 | 4.1 | 1.9 | 2.7 | 0.1 |
| 903S | <20 | 15 | 5 | 17 | 5 | <500 | 5 | 17 | 0.3 | 4.9 | 4.1 | 1.5 | 2.2 | 0.1 |
| 904T | <20 | 26 | 10 | 9 | 8 | <500 | 9 | 37 | 0.5 | 8.2 | 7.2 | 1.0 | 1.2 | 0.1 |
| 905T | <20 | 12 | 3 | 13 | 3 | <500 | 3 | 32 | 1.0 | 5.8 | 5.1 | 2.4 | 2.3 | 0.1 |
| 906S | <20 | 19 | 5 | 14 | 5 | 610 | 3 | 42 | 1.5 | 4.3 | 4.1 | 2.2 | 1.6 | 0.1 |
| 907S | <20 | 14 | 3 | 15 | 4 | <500 | 3 | 20 | 0.5 | 4.6 | 4.4 | 2.6 | 2.3 | 0.1 |
| 908S | <20 | 18 | 4 | 15 | 5 | <500 | 2 | 21 | 0.9 | 3.9 | 3.5 | 2.5 | 1.9 | 0.1 |
| 909T | <20 | 18 | 4 | 13 | 5 | <500 | 4 | 50 | 2.4 | 3.7 | 3.2 | 2.7 | 1.7 | 0.1 |
| 910T | <20 | 13 | 4 | 17 | 5 | <500 | 9 | 137 | 5.2 | 3.0 | 2.6 | 2.3 | 1.6 | 0.4 |
| 911T | <20 | 18 | 5 | 20 | 4 | <500 | 6 | 50 | 2.1 | 3.9 | 3.2 | 2.6 | 1.9 | 0.2 |
| 912T | <20 | 20 | 4 | 13 | 5 | <500 | 7 | 50 | 2.5 | 3.8 | 3.2 | 2.6 | 1.8 | 0.1 |
| 913S | <20 | 22 | 6 | 16 | 5 | 690 | 3 | 25 | 0.7 | 5.8 | 5.4 | 1.9 | 1.7 | 0.1 |
| 915S | <20 | 26 | 10 | 17 | 7 | 760 | 9 | 47 | 0.9 | 6.1 | 5.8 | 1.3 | 1.1 | 0.1 |
| 916S | <20 | 17 | 3 | 19 | 6 | <500 | 10 | 16 | 0.2 | 5.1 | 4.6 | 1.8 | 2.6 | 0.1 |
| 917S | <20 | 18 | 5 | 13 | 8 | <500 | 3 | 15 | 0.2 | 4.9 | 4.7 | 1.5 | 1.5 | 0.1 |
| 919S | <20 | 14 | 4 | 19 | 4 | <500 | 3 | 31 | 1.9 | 6.6 | 5.6 | 2.6 | 2.9 | 0.1 |
| 920S | <20 | 6 | 2 | 7 | 2 | <500 | 1 | 349 | 7.6 | 2.8 | 2.0 | 1.9 | 1.6 | 0.1 |
| 921S | <20 | 16 | 3 | 12 | 6 | <500 | 4 | 12 | 0.2 | 4.0 | 3.9 | 1.7 | 1.7 | 0.1 |
| 922S | <20 | 18 | 3 | 16 | 6 | <500 | 4 | 18 | 0.3 | 5.0 | 4.5 | 1.8 | 2.3 | 0.1 |
| 923S | <20 | 16 | 3 | 13 | 5 | <500 | 3 | 24 | 0.7 | 4.2 | 3.7 | 2.1 | 2.3 | 0.1 |
| 0001S | <20 | 17 | 4 | 11 | 5 | <500 | 3 | 8 | 0.2 | 4.8 | 4.5 | 2.3 | 2.3 | 0.2 |
| 0002T | <20 | 19 | 5 | 5 | <2 | <500 | 6 | 14 | 0.4 | >10.0 | 9.8 | 1.7 | 2.3 | 0.2 |
| 0003T | <20 | 16 | 5 | 12 | <2 | <500 | 2 | 15 | 0.4 | 5.5 | 4.7 | 2.0 | 2.1 | 0.2 |
| 0004S | <20 | 17 | 5 | 14 | 4 | <500 | 4 | 17 | 0.5 | 6.4 | 5.1 | 2.4 | 2.5 | 0.2 |
| 0005S | <20 | 15 | 4 | 10 | 5 | <500 | 3 | 25 | 0.9 | 5.0 | 4.4 | 1.9 | 1.9 | 0.1 |
| 0006S | <20 | 16 | 4 | 10 | <2 | <500 | 3 | 21 | 0.9 | 4.6 | 4.2 | 1.9 | 2.0 | 0.2 |
| 0007S | <20 | 19 | 5 | 10 | 4 | <500 | 4 | 20 | 0.7 | 5.3 | 4.7 | 2.4 | 2.1 | 0.1 |
| 0008S | <20 | 15 | 3 | 12 | 4 | <500 | 4 | 20 | 0.8 | 4.6 | 3.9 | 2.4 | 2.2 | 0.2 |
| 0010S | <20 | 17 | 4 | 10 | 3 | <500 | 3 | 18 | 0.5 | 6.6 | 6.0 | 1.9 | 2.1 | 0.2 |
| 0011T | <20 | 15 | 3 | 15 | 3 | <500 | 3 | 23 | 0.7 | 4.8 | 4.1 | 2.3 | 2.6 | 0.2 |
| 0012T | <20 | 15 | 4 | 6 | 3 | <500 | 2 | 46 | 1.9 | 6.2 | 4.9 | 2.0 | 1.7 | 0.1 |
| 0013T | <20 | 15 | 3 | 11 | 4 | <500 | 2 | 31 | 1.4 | 4.8 | 4.2 | 2.3 | 2.3 | 0.2 |
| 0014S | <20 | 13 | 3 | 15 | 4 | <500 | 1 | 35 | 1.3 | 4.4 | 3.8 | 2.5 | 2.7 | 0.2 |
| 0015S | <20 | 15 | 4 | 17 | 4 | <500 | 3 | 19 | 0.4 | 4.8 | 4.4 | 2.5 | 2.7 | 0.3 |
| 0016T | <20 | 13 | 4 | 10 | 3 | <500 | 2 | 111 | 4.7 | 4.1 | 3.2 | 2.4 | 2.0 | 0.2 |
| 0017S | <20 | 14 | 4 | 11 | 4 | <500 | 3 | 27 | 1.1 | 4.5 | 3.7 | 2.3 | 2.1 | 0.2 |
| 0018T | <20 | 18 | 5 | 10 | 3 | <500 | 3 | 30 | 1.2 | 5.6 | 5.1 | 2.4 | 2.2 | 0.2 |
| 0019S | <20 | 14 | 4 | 13 | 3 | <500 | 3 | 19 | 0.6 | 5.0 | 4.9 | 2.3 | 2.2 | 0.2 |
| 0021S | <20 | 15 | 4 | 10 | 4 | <500 | 3 | 18 | 0.7 | 4.6 | 4.2 | 2.3 | 2.1 | 0.2 |
| 0023S | <20 | 15 | 3 | 16 | 4 | <500 | 2 | 12 | 0.3 | 5.0 | 4.2 | 2.2 | 2.5 | 0.3 |
| 0025S | <20 | 15 | 4 | 15 | <2 | <500 | 3 | 12 | 0.4 | 4.2 | 3.8 | 2.6 | 2.6 | 0.2 |
| 0026S | <20 | 17 | 4 | 11 | 2 | <500 | 4 | 25 | 0.8 | 5.5 | 5.0 | 2.3 | 2.2 | 0.1 |
| 0027S | <20 | 12 | 3 | 11 | 2 | <500 | 4 | 26 | 1.1 | 4.0 | 3.6 | 2.2 | 2.0 | 0.2 |
| 0028S | <20 | 14 | 5 | 11 | 3 | <500 | 4 | 20 | 0.7 | 4.5 | 4.0 | 2.3 | 2.1 | 0.2 |
| 0029T | <20 | 20 | 6 | 19 | 5 | 1100 | 2 | 21 | 0.5 | 8.0 | 4.3 | 1.9 | 2.7 | 0.2 |
| 0030S | <20 | 15 | 3 | 8 | 3 | <500 | 4 | 14 | 0.6 | 5.6 | 3.9 | 2.2 | 1.9 | 0.1 |
| 1000S | <20 | 8 | 3 | 8 | 3 | <500 | 2 | 52 | 2.1 | 2.9 | 2.1 | 0.6 | 0.8 | 0.1 |
| 1002S | <20 | 15 | 5 | 15 | 3 | <500 | 2 | 49 | 0.8 | 9.0 | 7.3 | 0.8 | 1.1 | 0.2 |
| 1003S | <20 | 15 | 5 | 11 | 5 | <500 | 3 | 64 | 2.4 | 4.3 | 3.7 | 1.8 | 1.3 | 0.2 |
| 1004S | <20 | 14 | 5 | 3 | 3 | <500 | 5 | 13 | 0.4 | 8.3 | 7.9 | 0.8 | 1.3 | 0.2 |
| 1005S | <20 | 9 | 3 | 9 | <2 | <500 | 3 | 37 | 1.8 | 3.8 | 3.3 | 1.0 | 1.2 | 0.1 |
| 1006S | <20 | 11 | 4 | 20 | 3 | <500 | 8 | 17 | 0.6 | 6.3 | 5.9 | 2.0 | 2.7 | 0.3 |
| 1007S | <20 | 11 | 4 | 12 | 2 | <500 | 3 | 31 | 1.2 | 7.2 | 5.9 | 1.8 | 2.0 | 0.2 |
| 1010S | <20 | 16 | 5 | 10 | 3 | <500 | 4 | 34 | 1.0 | 6.8 | 5.4 | 1.0 | 1.8 | 0.2 |
| 1012S | <20 | 14 | 5 | 7 | <2 | <500 | 2 | 16 | 0.6 | 6.5 | 5.7 | 0.7 | 1.5 | 0.3 |
| 1014T | <20 | 16 | 5 | 10 | 5 | <500 | 3 | 55 | 1.9 | 4.3 | 3.6 | 1.7 | 1.2 | 0.1 |
| 1016S | <20 | 11 | 5 | 15 | 4 | <500 | 2 | 50 | 1.1 | 5.3 | 4.4 | 0.9 | 1.6 | 0.2 |
| 1017S | <20 | 10 | 4 | 13 | 4 | <500 | 1 | 25 | 0.8 | 3.7 | 3.3 | 0.8 | 1.4 | 0.1 |
| 1018S | <20 | 10 | 3 | 10 | <2 | <500 | <1 | 37 | 1.5 | 3.6 | 2.9 | 0.4 | 0.9 | 0.1 |
| 1019S | <20 | 15 | 4 | 11 | 6 | <500 | 3 | 30 | 0.9 | 4.9 | 4.4 | 1.2 | 1.2 | 0.1 |
| 1020T | <20 | 16 | 5 | 10 | 6 | <500 | 2 | 46 | 1.6 | 4.2 | 3.6 | 1.6 | 1.1 | 0.1 |
| 1021T | <20 | 16 | 5 | 10 | 4 | <500 | 4 | 74 | 2.6 | 3.9 | 3.4 | 1.8 | 1.2 | 0.1 |
| 1022T | <20 | 16 | 4 | 9 | 6 | <500 | 2 | 44 | 1.5 | 4.2 | 3.4 | 1.6 | 1.1 | 0.1 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 902S | 0.9 | 0.01 | 0.02 | 110 | 6 | <2 | <100 | 48 | 18 | <0.5 | 0 | 170 | 15 | <5 |
| 903S | 0.9 | <0.01 | 0.01 | 100 | 7 | <2 | <100 | 53 | 17 | <0.5 | 0 | 190 | 14 | <5 |
| 904T | 0.5 | <0.01 | <0.01 | 130 | 9 | <2 | <100 | 66 | 16 | <0.5 | 0 | 170 | 15 | <5 |
| 905T | 0.5 | <0.01 | <0.01 | 73 | 7 | <2 | <100 | 44 | 17 | <0.5 | 0 | 160 | 17 | <5 |
| 906S | 0.7 | <0.01 | <0.01 | 110 | 6 | <2 | <100 | 58 | 20 | <0.5 | 0 | 150 | 12 | <5 |
| 907S | 0.6 | <0.01 | <0.01 | 61 | 7 | <2 | <100 | 36 | 13 | <0.5 | 0 | 160 | 17 | <5 |
| 908S | 0.8 | <0.01 | <0.01 | 93 | 6 | <2 | <100 | 51 | 25 | <0.5 | 0 | 140 | 12 | <5 |
| 909T | 0.9 | <0.01 | <0.01 | 95 | 4 | <2 | <100 | 50 | 22 | <0.5 | 0 | 120 | 11 | <5 |
| 910T | 0.8 | <0.01 | 0.01 | 57 | 5 | <2 | <100 | 35 | 10 | <0.5 | 0 | 130 | 9.1 | <5 |
| 911T | 0.8 | <0.01 | <0.01 | 100 | 5 | <2 | <100 | 52 | 23 | <0.5 | 0 | 150 | 12 | <5 |
| 912T | 0.8 | <0.01 | <0.01 | 96 | 4 | 2 | <100 | 54 | 23 | <0.5 | 0 | 120 | 11 | <5 |
| 913S | 0.5 | <0.01 | <0.01 | 110 | 9 | <2 | <100 | 59 | 19 | <0.5 | 0 | 210 | 16 | <5 |
| 915S | 0.4 | <0.01 | <0.01 | 140 | 15 | 4 | <100 | 78 | 15 | <0.5 | 0 | 210 | 16 | <5 |
| 916S | 0.7 | <0.01 | 0.02 | 120 | 7 | 2 | <100 | 58 | 21 | <0.5 | 0 | 130 | 15 | <5 |
| 917S | 0.7 | <0.01 | <0.01 | 130 | 7 | <2 | <100 | 63 | 22 | 0.6 | 0 | 190 | 16 | <5 |
| 919S | 0.5 | <0.01 | <0.01 | 74 | 8 | <2 | <100 | 42 | 15 | <0.5 | 0 | 150 | 17 | <5 |
| 920S | 0.4 | <0.01 | <0.01 | 30 | 3 | <2 | <100 | 17 | 7 | <0.5 | 0 | 100 | 11 | <5 |
| 921S | 1.5 | <0.01 | <0.01 | 110 | 5 | 3 | <100 | 63 | 32 | <0.5 | 0 | 140 | 15 | 5 |
| 922S | 0.9 | 0.01 | 0.02 | 100 | 7 | <2 | <100 | 60 | 26 | <0.5 | 0 | 150 | 15 | <5 |
| 923S | 0.8 | <0.01 | 0.01 | 96 | 5 | 2 | <100 | 52 | 21 | <0.5 | 0 | 140 | 15 | <5 |
| 0001S | 0.6 | <0.01 | <0.01 | 83 | 5 | <2 | <100 | 44 | 25 | <0.5 | 0 | 170 | 15 | <5 |
| 0002T | 0.4 | <0.01 | <0.01 | 67 | 6 | <2 | <100 | 37 | 15 | <0.5 | 1 | 150 | 15 | <5 |
| 0003T | 0.6 | <0.01 | <0.01 | 84 | 7 | <2 | <100 | 42 | 17 | <0.5 | 0 | 170 | 15 | <5 |
| 0004S | 0.6 | <0.01 | <0.01 | 61 | 8 | <2 | <100 | 41 | 16 | <0.5 | 0 | 160 | 16 | <5 |
| 0005S | 0.6 | <0.01 | <0.01 | 65 | 7 | 2 | <100 | 42 | 14 | <0.5 | 0 | 140 | 15 | <5 |
| 0006S | 0.5 | <0.01 | <0.01 | 64 | 9 | <2 | <100 | 36 | 17 | <0.5 | 0 | 180 | 16 | <5 |
| 0007S | 0.5 | <0.01 | <0.01 | 91 | 6 | <2 | <100 | 52 | 16 | <0.5 | 0 | 150 | 16 | <5 |
| 0008S | 0.6 | <0.01 | <0.01 | 78 | 7 | <2 | <100 | 43 | 17 | <0.5 | 0 | 140 | 14 | <5 |
| 0010S | 0.6 | <0.01 | <0.01 | 68 | 8 | <2 | <100 | 43 | 17 | <0.5 | 0 | 180 | 17 | <5 |
| 0011T | 0.6 | <0.01 | <0.01 | 72 | 6 | <2 | <100 | 40 | 17 | <0.5 | 0 | 150 | 15 | <5 |
| 0012T | 0.6 | <0.01 | <0.01 | 78 | 8 | <2 | <100 | 49 | 10 | <0.5 | 0 | 110 | 12 | <5 |
| 0013T | 0.5 | <0.01 | <0.01 | 84 | 6 | <2 | <100 | 40 | 18 | <0.5 | 0 | 140 | 15 | <5 |
| 0014S | 0.6 | <0.01 | 0.01 | 72 | 7 | <2 | <100 | 41 | 19 | <0.5 | 0 | 160 | 17 | <5 |
| 0015S | 0.7 | <0.01 | <0.01 | 82 | 8 | <2 | <100 | 39 | 17 | <0.5 | 0 | 180 | 16 | <5 |
| 0016T | 0.5 | <0.01 | <0.01 | 49 | 7 | <2 | <100 | 31 | 10 | <0.5 | 0 | 110 | 11 | <5 |
| 0017S | 0.5 | <0.01 | <0.01 | 62 | 8 | <2 | <100 | 39 | 14 | <0.5 | 0 | 130 | 14 | <5 |
| 0018T | 0.5 | <0.01 | <0.01 | 77 | 7 | 3 | <100 | 44 | 15 | <0.5 | 0 | 150 | 13 | <5 |
| 0019S | 0.6 | <0.01 | <0.01 | 65 | 7 | <2 | <100 | 39 | 17 | <0.5 | 0 | 140 | 14 | <5 |
| 0021S | 0.5 | <0.01 | <0.01 | 74 | 6 | <2 | <100 | 41 | 17 | <0.5 | 0 | 130 | 13 | <5 |
| 0023S | 0.7 | <0.01 | <0.01 | 67 | 8 | <2 | <100 | 44 | 21 | <0.5 | 0 | 140 | 15 | <5 |
| 0025S | 0.6 | <0.01 | <0.01 | 65 | 8 | <2 | <100 | 39 | 18 | <0.5 | 0 | 120 | 13 | <5 |
| 0026S | 0.5 | <0.01 | <0.01 | 93 | 7 | <2 | <100 | 50 | 17 | <0.5 | 0 | 150 | 16 | <5 |
| 0027S | 0.6 | <0.01 | <0.01 | 68 | 7 | <2 | <100 | 36 | 13 | <0.5 | 0 | 110 | 13 | <5 |
| 0028S | 0.6 | <0.01 | <0.01 | 72 | 6 | <2 | <100 | 38 | 12 | <0.5 | 0 | 140 | 14 | <5 |
| 0029T | 1.3 | <0.01 | 0.01 | 110 | 11 | <2 | <100 | 64 | 13 | <0.5 | 0 | 240 | 20 | <5 |
| 0030S | 0.7 | <0.01 | <0.01 | 120 | 7 | <2 | <100 | 56 | 15 | <0.5 | 0 | 170 | 21 | <5 |
| 1000S | 0.7 | <0.01 | <0.01 | 66 | 3 | <2 | <100 | 31 | 8 | <0.5 | 0 | 120 | 12 | <5 |
| 1002S | 0.5 | <0.01 | 0.01 | 70 | 5 | <2 | <100 | 39 | 6 | <0.5 | 0 | 170 | 18 | <5 |
| 1003S | 0.6 | <0.01 | <0.01 | 81 | 5 | <2 | <100 | 44 | 14 | <0.5 | 0 | 150 | 11 | <5 |
| 1004S | 0.4 | <0.01 | 0.02 | 80 | 5 | <2 | <100 | 39 | 10 | <0.5 | 1 | 130 | 15 | <5 |
| 1005S | 0.4 | <0.01 | <0.01 | 54 | 4 | <2 | <100 | 27 | 7 | <0.5 | 0 | 110 | 8.8 | <5 |
| 1006S | 0.5 | <0.01 | 0.01 | 58 | 10 | <2 | <100 | 34 | 17 | <0.5 | 1 | 150 | 16 | <5 |
| 1007S | 0.5 | <0.01 | 0.01 | 59 | 8 | <2 | <100 | 31 | 12 | <0.5 | 1 | 150 | 14 | <5 |
| 1010S | 0.6 | <0.01 | 0.01 | 82 | 6 | 2 | <100 | 40 | 13 | <0.5 | 1 | 110 | 15 | <5 |
| 1012S | 0.3 | <0.01 | 0.02 | 120 | 6 | <2 | <100 | 48 | 24 | <0.5 | 0 | 160 | 21 | <5 |
| 1014T | 0.7 | <0.01 | <0.01 | 84 | 6 | <2 | <100 | 47 | 17 | <0.5 | 0 | 150 | 12 | <5 |
| 1016S | 0.7 | <0.01 | 0.02 | 57 | 6 | <2 | <100 | 36 | 13 | <0.5 | 1 | 120 | 11 | <5 |
| 1017S | 1.0 | <0.01 | 0.02 | 85 | 4 | 3 | <100 | 39 | 15 | <0.5 | 0 | 96 | 11 | <5 |
| 1018S | 0.9 | 0.01 | 0.01 | 67 | 3 | 2 | <100 | 29 | 10 | <0.5 | 0 | 80 | 8.4 | <5 |
| 1019S | 0.7 | <0.01 | <0.01 | 78 | 4 | <2 | <100 | 46 | 15 | <0.5 | 0 | 120 | 12 | <5 |
| 1020T | 0.7 | <0.01 | <0.01 | 84 | 5 | <2 | <100 | 45 | 17 | <0.5 | 0 | 130 | 11 | <5 |
| 1021T | 0.6 | <0.01 | <0.01 | 95 | 6 | <2 | <100 | 50 | 19 | <0.5 | 0 | 140 | 12 | <5 |
| 1022T | 0.7 | <0.01 | <0.01 | 79 | 5 | <2 | <100 | 45 | 15 | <0.5 | 0 | 130 | 12 | <5 |

## Albert River

### Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 902S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 903S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 12 | <5 |
| 904T | <10 | 10 | <200 | 2 | <10 | 0 | <20 | <10 | 19 | <5 |
| 905T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 13 | <5 |
| 906S | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 907S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 908S | <10 | 7 | <200 | 2 | <10 | 0 | <20 | <10 | 10 | <5 |
| 909T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 910T | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 7 | <5 |
| 911T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 912T | <10 | 7 | <200 | 1 | <10 | 0 | <20 | <10 | 8 | <5 |
| 913S | <10 | 8 | <200 | 2 | <10 | 1 | <20 | <10 | 13 | <5 |
| 915S | <10 | 10 | <200 | 2 | <10 | 0 | <20 | <10 | 14 | <5 |
| 916S | <10 | 9 | <200 | 0 | <10 | 0 | <20 | <10 | 15 | <5 |
| 917S | <10 | 9 | <200 | 2 | <10 | 1 | <20 | <10 | 18 | <5 |
| 919S | <10 | 8 | <200 | 1 | <10 | 0 | <20 | <10 | 19 | <5 |
| 920S | <10 | 3 | <200 | 0 | <10 | 0 | <20 | <10 | 4 | <5 |
| 921S | <10 | 11 | <200 | 0 | <10 | 1 | <20 | <10 | 23 | <5 |
| 922S | <10 | 10 | <200 | 1 | <10 | 0 | <20 | <10 | 19 | <5 |
| 923S | <10 | 8 | <200 | 0 | <10 | 0 | <20 | <10 | 17 | <5 |
| 0001S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 0002T | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 14 | <5 |
| 0003T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 0004S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 9 | <5 |
| 0005S | <10 | 6 | <200 | 2 | <10 | 1 | <20 | <10 | 13 | <5 |
| 0006S | <10 | 6 | <200 | 1 | <10 | 1 | <20 | <10 | 13 | <5 |
| 0007S | <10 | 8 | <200 | 2 | <10 | 1 | <20 | <10 | 17 | <5 |
| 0008S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 11 | <5 |
| 0010S | <10 | 6 | <200 | 2 | <10 | 1 | <20 | <10 | 12 | <5 |
| 0011T | <10 | 6 | <200 | 2 | <10 | 0 | <20 | <10 | 9 | <5 |
| 0012T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 0013T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 0014S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 0015S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 0016T | <10 | 4 | <200 | 1 | <10 | 0 | <20 | <10 | 5 | <5 |
| 0017S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 0018T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 0019S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 0021S | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 11 | <5 |
| 0023S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 0025S | <10 | 5 | <200 | 0 | <10 | 1 | <20 | <10 | 11 | <5 |
| 0026S | <10 | 8 | <200 | 0 | <10 | 2 | <20 | <10 | 22 | <5 |
| 0027S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 0028S | <10 | 5 | <200 | 0 | <10 | 1 | <20 | <10 | 12 | <5 |
| 0029T | <10 | 8 | <200 | 2 | <10 | 1 | <20 | <10 | 6 | <5 |
| 0030S | <10 | 7 | <200 | 1 | <10 | 1 | <20 | <10 | 16 | <5 |
| 1000S | <10 | 4 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 1002S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 21 | 6 |
| 1003S | <10 | 5 | <200 | 1 | <10 | 0 | <20 | <10 | 9 | <5 |
| 1004S | <10 | 7 | <200 | 0 | <10 | 1 | <20 | <10 | 22 | <5 |
| 1005S | <10 | 3 | <200 | 0 | <10 | 0 | <20 | <10 | 8 | <5 |
| 1006S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 10 | <5 |
| 1007S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 1010S | <10 | 7 | <200 | 0 | <10 | 2 | <20 | <10 | 15 | <5 |
| 1012S | <10 | 7 | <200 | 0 | <10 | 0 | <20 | <10 | 16 | <5 |
| 1014T | <10 | 6 | <200 | 1 | <10 | 0 | <20 | <10 | 10 | <5 |
| 1016S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 12 | <5 |
| 1017S | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 14 | <5 |
| 1018S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 13 | <5 |
| 1019S | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 14 | <5 |
| 1020T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |
| 1021T | <10 | 6 | <200 | 0 | <10 | 1 | <20 | <10 | 9 | <5 |
| 1022T | <10 | 6 | <200 | 0 | <10 | 0 | <20 | <10 | 11 | <5 |

Project 563

File: 563\Soil_95.WK1

# Albert River
## Soil/Talus Fines Analyses
## 1995

Report Date: 95.10.19

Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218

note: S= soil sample, T = talus fines sampl

*Re-Runs:*

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205S | | <20 | | | 8 | | <5 | | 6 | | 131 | 33 | 40 | | 48 |
| 206S | <2 | | <5 | 9 | | 1 | | 3 | | <200 | | | | 660 | |
| 223S | | <20 | | | 8 | | <5 | | 5 | | 125 | 30 | 22 | | 173 |
| 232S | <2 | | 7 | 14 | | 2 | | <2 | | <200 | | | | 970 | |
| 247S | | <20 | | | 13 | | <5 | | 5 | | 106 | 25 | 30 | | 104 |
| 259S | 3 | | <5 | 9 | | 2 | | <2 | | <200 | | | | 1200 | |
| 265S | | <20 | | | <5 | | <5 | | 6 | | 89 | 42 | 40 | | 81 |
| 287S | 7 | <20 | 7 | 9 | 8 | 2 | <5 | 4 | 5 | <200 | 125 | 24 | 29 | 570 | 77 |
| 299T | 2 | | 9 | 4 | | 1 | | <2 | | <200 | | | | 740 | |
| 306T | | <20 | | | 29 | | <5 | | 7 | | 113 | 22 | 41 | | 47 |
| 316S | | <20 | | | 10 | | <5 | | 8 | | 126 | 32 | 35 | | 95 |
| 322S | <2 | | 11 | 8 | | 1 | | <2 | | <200 | | | | 810 | |
| 350S | | <20 | | | 5 | | <5 | | 5 | | 84 | 24 | 33 | | 108 |
| 360S | 2 | | <5 | 5 | | 1 | | <2 | | <200 | | | | 690 | |
| 367S | | <20 | | | 6 | | <5 | | 8 | | 146 | 31 | 48 | | 53 |
| 386S | 2 | | <5 | 7 | | 2 | | 5 | | <200 | | | | 910 | |
| 389S | | <20 | | | 6 | | <5 | | 5 | | 102 | 18 | 28 | | 50 |
| 411S | | <20 | | | 5 | | <5 | | 3 | | 62 | 13 | 8 | | 24 |
| 412S | 3 | | <5 | 7 | | 2 | | <2 | | <200 | | | | 560 | |
| 436S | | <20 | | | 6 | | <5 | | 3 | | 80 | 14 | 12 | | 42 |
| 445T | 5 | | 30 | 51 | | 52 | | 6 | | 290 | | | | 670 | |
| 457S | | <20 | | | <5 | | <5 | | 3 | | 62 | 12 | 9 | | 18 |
| 458S | <2 | | <5 | 3 | | 0 | | <2 | | <200 | | | | 650 | |
| 481S | | <20 | | | <5 | | <5 | | 3 | | 63 | 100 | 10 | | 56 |
| 482S | | <20 | | | <5 | | <5 | | 4 | | 49 | 18 | 8 | | 22 |
| 490S | 7 | | <5 | 11 | | 2 | | 6 | | 270 | | | | 1500 | |
| 502S | | <20 | | | <5 | | <5 | | 5 | | 85 | 11 | 14 | | 27 |
| 518T | | <20 | | | <5 | | <5 | | 6 | | 127 | 22 | | | 43 |
| 525S | <2 | | <5 | 4 | | 0 | | <2 | | <200 | | | | 480 | |
| 529S | | <20 | | | <5 | | <5 | | 4 | | 78 | 15 | 14 | | 76 |
| 539S | | <20 | | | <5 | | <5 | | 4 | | 88 | 51 | 32 | | 53 |
| 558S | <2 | | <5 | 5 | | 1 | | <2 | | <200 | | | | 860 | |
| 560S | | <20 | | | <5 | | <5 | | 5 | | 100 | 25 | 28 | | 52 |
| 567T | <2 | | <5 | 6 | | 1 | | <2 | | <200 | | | | 590 | |
| 570T | 4 | | <5 | 7 | | 1 | | <2 | | <200 | | | | 900 | |
| 574T | | <20 | | | <5 | | <5 | | 4 | | 83 | 23 | 24 | | 108 |
| 596T | | <20 | | | <5 | | <5 | | 8 | | 135 | 31 | 68 | | 46 |
| 603T | 39 | | 49 | 25 | | 16 | | 5 | | 210 | | | | 750 | |
| 624T | | 73 | | | 12 | | <5 | | 9 | | 137 | 29 | 45 | | 66 |
| 708T | | <20 | | | <5 | | <5 | | 8 | | 107 | 29 | 30 | | 96 |
| 711T | 4 | | <5 | 16 | | 3 | | 3 | | 230 | | | | 820 | |
| 727S | | <20 | | | <5 | | <5 | | 7 | | 116 | 29 | 44 | | 46 |
| 735T | 170 | | <5 | 33 | | 5 | | 4 | | <200 | | | | 720 | |
| 747T | | <20 | | | 19 | | <5 | | 7 | | 153 | 78 | 61 | | 51 |
| 748T | 2 | | 21 | 20 | | 2 | | 6 | | 230 | | | | 710 | |
| 768T | | <20 | | | 14 | | <5 | | 9 | | 158 | 42 | 58 | | 77 |
| 775T | 3 | | 20 | 14 | | 1 | | 4 | | <200 | | | | 820 | |
| 794S | | <20 | | | <5 | | <5 | | 8 | | 164 | 34 | 66 | | 53 |
| 807S | 23 | | 9 | 23 | | 3 | | 4 | | <200 | | | | 860 | |
| 813S | | 136 | | | 7 | | <5 | | 12 | | 187 | 56 | 110 | | 63 |
| 825T | | <20 | | | 26 | | <5 | | 9 | | 160 | 65 | 110 | | 65 |
| 837T | 11 | | 17 | 28 | | 3 | | 5 | | <200 | | | | 750 | |
| 844T | | <20 | | | 26 | | <5 | | 7 | | 148 | 45 | 89 | | 54 |
| 887S | 9 | | <5 | 8 | | 2 | | <2 | | <200 | | | | 780 | |
| 889S | | <20 | | | <5 | | <5 | | 4 | | 94 | 36 | 24 | | 58 |
| 908S | | <20 | | | <5 | | <5 | | 6 | | 131 | 26 | 30 | | 34 |
| 913S | 25 | | 200 | 27 | | 10 | | 12 | | <200 | | | | 740 | |
| 937S | <2 | | 14 | 8 | | 2 | | 5 | | <200 | | | | 1200 | |
| 940T | | <20 | | | 9 | | <5 | | 6 | | 140 | 30 | 32 | | 76 |
| 959S | | <20 | | | 12 | | <5 | | 6 | | 143 | 24 | 23 | | 86 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs:* | | | | | | | | | | | | | | | |
| 205S | | 0.2 | 502 | | 41 | | 24 | | 21 | <5 | | | <0.2 | <2 | 68 |
| 206S | <5 | | | 48 | | 29 | | 81 | | | 9 | <10 | | | |
| 223S | | <0.2 | 927 | | 32 | | 21 | | 17 | <5 | | | <0.2 | <2 | 40 |
| 232S | <5 | | | 61 | | 44 | | 87 | | | 7 | <10 | | | |
| 247S | | <0.2 | 444 | | 40 | | 28 | | 23 | <5 | | | <0.2 | 3 | 75 |
| 259S | <5 | | | <20 | | 24 | | 57 | | | 7 | <10 | | | |
| 265S | | 0.2 | 1061 | | 40 | | 26 | | 10 | 5 | | | <0.2 | <2 | 18 |
| 287S | <5 | <0.2 | 1302 | 44 | 32 | 29 | 24 | 54 | 14 | <5 | 5 | <10 | <0.2 | <2 | 47 |
| 299T | <5 | | | 37 | | 21 | | 50 | | | 11 | <10 | | | |
| 306T | | 0.3 | 563 | | 42 | | 26 | | 15 | <5 | | | <0.2 | <2 | 29 |
| 316S | | 0.2 | 926 | | 38 | | 28 | | 16 | <5 | | | <0.2 | <2 | 39 |
| 322S | <5 | | | <20 | | 27 | | 59 | | | 4 | <10 | | | |
| 350S | | 0.2 | 162 | | 37 | | 28 | | 17 | 5 | | | <0.2 | 5 | 48 |
| 360S | <5 | | | 40 | | 16 | | 91 | | | 2 | <10 | | | |
| 367S | | <0.2 | 486 | | 41 | | 26 | | 12 | 5 | | | 0.4 | <2 | 24 |
| 386S | <5 | | | 35 | | 19 | | 50 | | | 1 | <10 | | | |
| 389S | | <0.2 | 354 | | 32 | | 16 | | 12 | <5 | | | 0.2 | <2 | 33 |
| 411S | | 0.2 | 170 | | 20 | | 8 | | 18 | <5 | | | <0.2 | 4 | 29 |
| 412S | 5 | | | 35 | | 11 | | 92 | | | 6 | <10 | | | |
| 436S | | 0.2 | 121 | | 28 | | 11 | | 19 | <5 | | | <0.2 | 4 | 49 |
| 445T | <5 | | | 84 | | 23 | | 50 | | | 10 | <10 | | | |
| 457S | | 0.2 | 117 | | 21 | | 7 | | 15 | <5 | | | <0.2 | 3 | 23 |
| 458S | <5 | | | <20 | | 10 | | 61 | | | 8 | <10 | | | |
| 461S | | <0.2 | 133 | | 20 | | 14 | | 10 | <5 | | | <0.2 | 2 | 28 |
| 482S | | 0.2 | 118 | | 13 | | 6 | | 17 | <5 | | | <0.2 | 6 | 21 |
| 490S | <5 | | | 57 | | 22 | | 120 | | | 8 | <10 | | | |
| 502S | | 0.2 | 110 | | 33 | | 14 | | 29 | <5 | | | <0.2 | 5 | 39 |
| 518T | | | 364 | | 35 | | 20 | | 14 | <5 | | | <0.2 | <2 | 33 |
| 525S | <5 | | | <20 | | <10 | | 81 | | | 9 | <10 | | | |
| 529S | | 0.2 | 314 | | 26 | | 11 | | 25 | <5 | | | <0.2 | 4 | 50 |
| 539S | | <0.2 | 276 | | 31 | | 25 | | 25 | <5 | | | <0.2 | 4 | 51 |
| 558S | <5 | | | 35 | | 16 | | 66 | | | 6 | <10 | | | |
| 560S | | <0.2 | 683 | | 39 | | 26 | | 17 | <5 | | | <0.2 | <2 | 38 |
| 567T | <5 | | | 35 | | 23 | | 50 | | | 14 | <10 | | | |
| 570T | <5 | | | 52 | | 23 | | 130 | | | 3 | <10 | | | |
| 574T | | 0.2 | 439 | | 20 | | 11 | | 10 | <5 | | | <0.2 | 3 | 24 |
| 596T | | 0.2 | 463 | | 59 | | 35 | | 15 | <5 | | | <0.2 | <2 | 36 |
| 603T | <5 | | | 35 | | 34 | | 88 | | | 6 | <10 | | | |
| 624T | | 0.3 | 318 | | 41 | | 25 | | 15 | <5 | | | <0.2 | <2 | 40 |
| 708T | | <0.2 | 268 | | 31 | | 15 | | 14 | <5 | | | <0.2 | <2 | 35 |
| 711T | <5 | | | <20 | | 29 | | 68 | | | 2 | <10 | | | |
| 727S | | <0.2 | 442 | | 44 | | 25 | | 17 | <5 | | | <0.2 | <2 | 48 |
| 735T | <5 | | | <20 | | 30 | | 94 | | | 3 | <10 | | | |
| 747T | | 0.3 | 385 | | 55 | | 38 | | 19 | <5 | | | <0.2 | <2 | 54 |
| 748T | <5 | | | 84 | | 36 | | 72 | | | 2 | <10 | | | |
| 766T | | 0.4 | 358 | | 48 | | 36 | | 22 | 6 | | | 0.3 | <2 | 50 |
| 775T | <5 | | | 40 | | 33 | | 100 | | | 5 | <10 | | | |
| 794S | | <0.2 | 532 | | 56 | | 31 | | 15 | <5 | | | <0.2 | <2 | 32 |
| 807S | 7 | | | 60 | | 35 | | 100 | | | 2 | <10 | | | |
| 813S | | 0.3 | 559 | | 70 | | 46 | | 14 | <5 | | | 0.2 | <2 | 26 |
| 825T | | 0.3 | 581 | | 79 | | 55 | | 17 | <5 | | | 0.2 | <2 | 40 |
| 837T | <5 | | | 67 | | 56 | | 110 | | | 2 | <10 | | | |
| 844T | | 0.2 | 437 | | 65 | | 50 | | 18 | <5 | | | <0.2 | <2 | 41 |
| 887S | <5 | | | 47 | | 15 | | 87 | | | 3 | <10 | | | |
| 889S | | <0.2 | 588 | | 28 | | 20 | | 14 | <5 | | | <0.2 | <2 | 39 |
| 908S | | <0.2 | 380 | | 32 | | 18 | | 17 | <5 | | | <0.2 | <2 | 40 |
| 913S | <5 | | | 89 | | 40 | | 92 | | | 5 | <10 | | | |
| 937S | <5 | | | 31 | | 16 | | 74 | | | 6 | <10 | | | |
| 940T | | <0.2 | 437 | | 37 | | 23 | | 16 | <5 | | | <0.2 | <2 | 33 |
| 959S | | 0.3 | 581 | | 34 | | 23 | | 14 | <5 | | | <0.2 | <2 | 27 |

## Albert River

### Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs:* | | | | | | | | | | | | | | |
| 205S | <20 | | | 16 | | | 4 | 14 | 0.3 | | 3.9 | 2.6 | 2.3 | 0.2 |
| 206S | | 14 | 3 | | 4 | <500 | | | | 4.8 | | | | |
| 223S | <20 | | | 22 | | | 2 | 15 | 0.2 | | 3.3 | 1.9 | 2.0 | 0.2 |
| 232S | | 18 | 5 | | 5 | <500 | | | | 7.1 | | | | |
| 247S | <20 | | | 26 | | | 7 | 13 | 0.2 | | 3.9 | 2.4 | 2.9 | 0.2 |
| 259S | | 14 | 3 | | 5 | <500 | | | | 5.0 | | | | |
| 265S | <20 | | | 6 | | | 4 | 24 | 0.7 | | 3.8 | 1.0 | 1.2 | 0.2 |
| 287S | <20 | 11 | 3 | 12 | 2 | <500 | 5 | 27 | 0.9 | 4.6 | 3.1 | 2.0 | 1.7 | 0.1 |
| 299T | | 11 | 3 | | 3 | <500 | | | | 4.5 | | | | |
| 306T | <20 | | | 10 | | | 2 | 16 | 0.2 | | 4.3 | 1.5 | 1.3 | 0.1 |
| 316S | <20 | | | 13 | | | 4 | 16 | 0.4 | | 4.1 | 1.8 | 1.8 | 0.2 |
| 322S | | 14 | 3 | | 3 | <500 | | | | 4.9 | | | | |
| 350S | <20 | | | 13 | | | 9 | 5 | 0.1 | | 4.5 | 2.1 | 3.0 | 0.1 |
| 360S | | 13 | 3 | | 5 | <500 | | | | 5.2 | | | | |
| 367S | <20 | | | 6 | | | 4 | 20 | 0.9 | | 3.9 | 1.4 | 1.2 | 0.1 |
| 386S | | 12 | 4 | | 6 | <500 | | | | 3.5 | | | | |
| 389S | <20 | | | 10 | | | 4 | 118 | 2.4 | | 2.8 | 2.1 | 1.5 | 0.1 |
| 411S | <20 | | | 11 | | | 0 | 3 | 0.0 | | 3.0 | 1.1 | 1.9 | 0.0 |
| 412S | | 11 | 4 | | 9 | <500 | | | | 3.3 | | | | |
| 436S | <20 | | | 15 | | | 1 | 6 | 0.0 | | 3.5 | 1.8 | 2.0 | 0.0 |
| 445T | | 16 | 4 | | <2 | 860 | | | | 6.0 | | | | |
| 457S | <20 | | | 8 | | | 1 | 9 | 0.0 | | 2.5 | 1.0 | 1.6 | 0.0 |
| 458S | | 17 | 3 | | 8 | <500 | | | | 3.4 | | | | |
| 461S | <20 | | | 8 | | | 2 | 35 | 0.4 | | 2.6 | 1.1 | 1.3 | 0.0 |
| 482S | <20 | | | 20 | | | 0 | 3 | 0.0 | | 3.2 | 0.7 | 1.9 | 0.0 |
| 490S | | 18 | 5 | | 5 | <500 | | | | 4.6 | | | | |
| 502S | <20 | | | 13 | | | 5 | 4 | 0.0 | | 4.4 | 1.6 | 2.8 | 0.0 |
| 518T | <20 | | | 13 | | | 3 | 60 | 1.7 | | 3.8 | 1.9 | 1.7 | 0.1 |
| 525S | | 14 | 3 | | 5 | <500 | | | | 3.7 | | | | |
| 529S | <20 | | | 18 | | | 2 | 14 | 0.1 | | 3.2 | 1.4 | 2.9 | 0.0 |
| 539S | <20 | | | 11 | | | 0 | 41 | 0.4 | | 4.2 | 1.4 | 2.7 | 0.0 |
| 558S | | 13 | 3 | | 7 | <500 | | | | 3.4 | | | | |
| 560S | <20 | | | 9 | | | 4 | 15 | 0.1 | | 4.6 | 1.2 | 1.9 | 0.0 |
| 567T | | 14 | 4 | | 5 | <500 | | | | 4.8 | | | | |
| 570T | | 18 | 3 | | 3 | <500 | | | | 4.6 | | | | |
| 574T | <20 | | | 18 | | | 8 | 30 | 0.5 | | 3.1 | 1.1 | 3.2 | 0.1 |
| 596T | <20 | | | 11 | | | 12 | 15 | 0.4 | | 4.5 | 2.0 | 1.6 | 0.4 |
| 603T | | 16 | 4 | | 4 | <500 | | | | 5.4 | | | | |
| 624T | <20 | | | 16 | | | 11 | 37 | 1.4 | | 3.6 | 2.3 | 1.6 | 0.2 |
| 708T | <20 | | | 19 | | | 11 | 118 | 4.6 | | 2.8 | 2.4 | 1.8 | 0.4 |
| 711T | | 14 | 3 | | 6 | <500 | | | | 4.7 | | | | |
| 727S | <20 | | | 11 | | | 3 | 15 | 0.4 | | 4.4 | 2.2 | 2.1 | 0.2 |
| 735T | | 16 | 3 | | <2 | <500 | | | | 5.1 | | | | |
| 747T | <20 | | | 16 | | | 8 | 24 | 0.9 | | 4.3 | 2.4 | 2.2 | 0.4 |
| 748T | | 16 | 4 | | 4 | <500 | | | | 6.2 | | | | |
| 766T | <20 | | | 18 | | | 7 | 24 | 0.9 | | 4.8 | 2.6 | 2.5 | 0.2 |
| 775T | | 15 | 3 | | 3 | <500 | | | | 6.3 | | | | |
| 794S | <20 | | | 12 | | | 6 | 18 | 0.5 | | 4.7 | 1.7 | 1.6 | 0.4 |
| 807S | | 18 | 5 | | 4 | <500 | | | | 5.4 | | | | |
| 813S | <20 | | | 8 | | | 10 | 22 | 0.3 | | 5.7 | 1.6 | 1.3 | 0.2 |
| 825T | <20 | | | 13 | | | 12 | 22 | 0.5 | | 5.5 | 1.9 | 1.9 | 0.5 |
| 837T | | 20 | 4 | | 5 | <500 | | | | 6.5 | | | | |
| 844T | <20 | | | 10 | | | 10 | 65 | 2.7 | | 4.9 | 2.2 | 2.1 | 0.3 |
| 887S | | 12 | 3 | | 4 | <500 | | | | 4.2 | | | | |
| 889S | <20 | | | 10 | | | 3 | 29 | 1.1 | | 3.3 | 2.0 | 1.8 | 0.1 |
| 908S | <20 | | | 15 | | | 2 | 21 | 0.8 | | 3.5 | 2.4 | 1.9 | 0.1 |
| 913S | | 22 | 6 | | 6 | <500 | | | | 6.4 | | | | |
| 937S | | 18 | 4 | | 6 | <500 | | | | 3.9 | | | | |
| 940T | <20 | | | 15 | | | 2 | 30 | 0.7 | | 3.5 | 2.1 | 1.9 | 0.2 |
| 959S | <20 | | | 17 | | | 1 | 17 | 0.4 | | 3.7 | 1.7 | 2.1 | 0.1 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs:* | | | | | | | | | | | | | | |
| 205S | | <0.01 | <0.01 | | | | | | 21 | | 0 | | | <5 |
| 206S | 0.6 | | | 82 | 6 | <2 | <100 | 38 | | <0.5 | | 150 | 15 | |
| 223S | | <0.01 | <0.01 | | | | | | 29 | | 0 | | | <5 |
| 232S | 0.7 | | | 110 | 5 | <2 | <100 | 56 | | <0.5 | | 170 | 16 | |
| 247S | | <0.01 | <0.01 | | | | | | 27 | | 0 | | | <5 |
| 259S | 0.8 | | | 73 | 5 | <2 | <100 | 41 | | <0.5 | | 170 | 15 | |
| 265S | | <0.01 | <0.01 | | | | | | 15 | | 0 | | | <5 |
| 287S | 0.7 | <0.01 | <0.01 | 64 | 7 | <2 | <100 | 37 | 17 | <0.5 | 0 | 140 | 13 | <5 |
| 299T | 0.8 | | | 78 | 5 | <2 | <100 | 42 | | <0.5 | | 140 | 14 | |
| 306T | | <0.01 | <0.01 | | | | | | 27 | | 0 | | | <5 |
| 316S | | <0.01 | <0.01 | | | | | | 24 | | 0 | | | <5 |
| 322S | 0.7 | | | 78 | 7 | <2 | <100 | 41 | | <0.5 | | 140 | 16 | |
| 350S | | <0.01 | <0.01 | | | | | | 15 | | 1 | | | <5 |
| 360S | 1.0 | | | 54 | 6 | <2 | <100 | 31 | | <0.5 | | 130 | 14 | |
| 367S | | <0.01 | <0.01 | | | | | | 18 | | 0 | | | <5 |
| 386S | 0.8 | | | 100 | 6 | <2 | <100 | 50 | | <0.5 | | 160 | 12 | |
| 389S | | <0.01 | <0.01 | | | | | | 7 | | 0 | | | <5 |
| 411S | | <0.01 | <0.01 | | | | | | 27 | | 0 | | | <5 |
| 412S | 1.5 | | | 82 | 5 | <2 | <100 | 40 | | <0.5 | | 100 | 8.7 | |
| 436S | | <0.01 | <0.01 | | | | | | 15 | | 0 | | | <5 |
| 445T | 0.6 | | | 91 | 13 | <2 | <100 | 51 | | <0.5 | | 180 | 17 | |
| 457S | | <0.01 | <0.01 | | | | | | 30 | | 0 | | | <5 |
| 458S | 1.6 | | | 110 | 5 | <2 | <100 | 49 | | <0.5 | | 130 | 13 | |
| 481S | | <0.01 | <0.01 | | | | | | 9 | | 0 | | | <5 |
| 482S | | <0.01 | 0.01 | | | | | | 24 | | 0 | | | <5 |
| 490S | 0.8 | | | 92 | 7 | <2 | <100 | 38 | | <0.5 | | 160 | 13 | |
| 502S | | <0.01 | <0.01 | | | | | | 35 | | 0 | | | <5 |
| 518T | | <0.01 | <0.01 | | | | | | 15 | | 0 | | | <5 |
| 525S | 1.6 | | | 68 | 4 | 3 | <100 | 42 | | <0.5 | | 96 | 8.4 | |
| 529S | | <0.01 | 0.01 | | | | | | 27 | | 0 | | | <5 |
| 539S | | <0.01 | <0.01 | | | | | | 4 | | 0 | | | <5 |
| 558S | 1.7 | | | 64 | 5 | <2 | <100 | 35 | | <0.5 | | 150 | 11 | |
| 560S | | <0.01 | 0.01 | | | | | | 14 | | 0 | | | 6 |
| 567T | 0.8 | | | 96 | 5 | <2 | <100 | 40 | | 0.5 | | 130 | 14 | |
| 570T | 0.6 | | | 78 | 5 | <2 | <100 | 55 | | <0.5 | | 160 | 14 | |
| 574T | | 0.02 | 0.06 | | | | | | 20 | | 0 | | | <5 |
| 598T | | <0.01 | 0.04 | | | | | | 28 | | 0 | | | <5 |
| 603T | 0.6 | | | 87 | 7 | <2 | <100 | 51 | | <0.5 | | 160 | 15 | |
| 624T | | <0.01 | <0.01 | | | | | | 18 | | 0 | | | <5 |
| 708T | | <0.01 | 0.01 | | | | | | 13 | | 0 | | | <5 |
| 711T | 0.6 | | | 91 | 6 | <2 | <100 | 49 | | <0.5 | | 150 | 14 | |
| 727S | | <0.01 | 0.01 | | | | | | 27 | | 0 | | | <5 |
| 735T | 0.7 | | | 93 | 5 | <2 | <100 | 51 | | <0.5 | | 140 | 13 | |
| 747T | | <0.01 | 0.03 | | | | | | 33 | | 0 | | | <5 |
| 748T | 0.5 | | | 95 | 6 | <2 | <100 | 52 | | <0.5 | | 180 | 15 | |
| 766T | | <0.01 | <0.01 | | | | | | 31 | | 0 | | | <5 |
| 775T | 0.4 | | | 77 | 7 | <2 | <100 | 49 | | <0.5 | | 190 | 17 | |
| 794S | | <0.01 | 0.04 | | | | | | 23 | | 0 | | | <5 |
| 807S | 0.7 | | | 81 | 9 | <2 | <100 | 47 | | <0.5 | | 140 | 13 | |
| 813S | | <0.01 | <0.01 | | | | | | 17 | | 0 | | | <5 |
| 825T | | <0.01 | 0.03 | | | | | | 44 | | 0 | | | <5 |
| 837T | 0.4 | | | 94 | 8 | 2 | <100 | 53 | | <0.5 | | 180 | 14 | |
| 844T | | <0.01 | <0.01 | | | | | | 37 | | 0 | | | <5 |
| 887S | 0.7 | | | 76 | 5 | <2 | <100 | 38 | | <0.5 | | 150 | 14 | |
| 889S | | <0.01 | <0.01 | | | | | | 14 | | 0 | | | <5 |
| 908S | | <0.01 | <0.01 | | | | | | 24 | | 0 | | | <5 |
| 913S | 0.6 | | | 120 | 8 | <2 | <100 | 58 | | <0.5 | | 190 | 15 | |
| 937S | 0.9 | | | 96 | 5 | <2 | <100 | 48 | | <0.5 | | 140 | 11 | |
| 940T | | <0.01 | 0.01 | | | | | | 30 | | 0 | | | <5 |
| 959S | | <0.01 | <0.01 | | | | | | 30 | | 0 | | | <5 |

## Albert River

### Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| *Re-Runs:* | | | | | | | | | | |
| 205S | | | | | <10 | | | <10 | 16 | |
| 206S | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 223S | | | | | <10 | | | <10 | 11 | |
| 232S | <10 | 8 | <200 | 0 | | 2 | <20 | | | 5 |
| 247S | | | | | <10 | | | <10 | 12 | |
| 259S | <10 | 6 | <200 | 0 | | 1 | <20 | | | <5 |
| 265S | | | | | <10 | | | <10 | 27 | |
| 287S | <10 | 5 | <200 | 0 | <10 | 0 | <20 | <10 | 17 | <5 |
| 299T | <10 | 6 | <200 | 0 | | 0 | <20 | | | <5 |
| 306T | | | | | <10 | | | <10 | 27 | |
| 316S | | | | | <10 | | | <10 | 25 | |
| 322S | <10 | 5 | <200 | 0 | | 0 | <20 | | | <5 |
| 350S | | | | | <10 | | | <10 | 5 | |
| 360S | <10 | 4 | <200 | 1 | | 0 | <20 | | | <5 |
| 367S | | | | | <10 | | | <10 | 21 | |
| 386S | <10 | 5 | <200 | 0 | | 0 | <20 | | | <5 |
| 389S | | | | | <10 | | | <10 | 12 | |
| 411S | | | | | <10 | | | <10 | 2 | |
| 412S | <10 | 4 | <200 | 2 | | 0 | <20 | | | <5 |
| 436S | | | | | <10 | | | <10 | 2 | |
| 445T | <10 | 7 | <200 | 1 | | 0 | <20 | | | <5 |
| 457S | | | | | <10 | | | <10 | 3 | |
| 458S | <10 | 5 | <200 | 1 | | 0 | <20 | | | <5 |
| 461S | | | | | <10 | | | <10 | 5 | |
| 482S | | | | | <10 | | | <10 | 2 | |
| 490S | <10 | 5 | <200 | 1 | | 0 | <20 | | | <5 |
| 502S | | | | | <10 | | | <10 | 2 | |
| 516T | | | | | <10 | | | <10 | 16 | |
| 525S | <10 | 5 | <200 | 0 | | 0 | <20 | | | <5 |
| 529S | | | | | <10 | | | <10 | 4 | |
| 539S | | | | | <10 | | | <10 | 14 | |
| 558S | <10 | 5 | <200 | 0 | | 0 | <20 | | | <5 |
| 560S | | | | | <10 | | | <10 | 21 | |
| 567T | <10 | 7 | <200 | 0 | | 1 | <20 | | | 5 |
| 570T | <10 | 7 | <200 | 1 | | 0 | <20 | | | <5 |
| 574T | | | | | <10 | | | <10 | 19 | |
| 596T | | | | | <10 | | | <10 | 11 | |
| 603T | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 624T | | | | | <10 | | | <10 | 7 | |
| 706T | | | | | <10 | | | <10 | 6 | |
| 711T | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 727S | | | | | <10 | | | <10 | 10 | |
| 735T | <10 | 5 | <200 | 0 | | 0 | <20 | | | <5 |
| 747T | | | | | <10 | | | <10 | 9 | |
| 748T | <10 | 6 | <200 | 1 | | 1 | <20 | | | <5 |
| 766T | | | | | <10 | | | <10 | 10 | |
| 775T | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 794S | | | | | <10 | | | <10 | 12 | |
| 807S | <10 | 5 | <200 | 0 | | 0 | <20 | | | <5 |
| 813S | | | | | <10 | | | <10 | 11 | |
| 825T | | | | | <10 | | | <10 | 10 | |
| 837T | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 844T | | | | | <10 | | | <10 | 7 | |
| 887S | <10 | 4 | <200 | 0 | | 0 | <20 | | | <5 |
| 889S | | | | | <10 | | | <10 | 11 | |
| 908S | | | | | <10 | | | <10 | 10 | |
| 913S | <10 | 7 | <200 | 1 | | 0 | <20 | | | <5 |
| 937S | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 940T | | | | | <10 | | | <10 | 12 | |
| 959S | | | | | <10 | | | <10 | 17 | |

Project 563

File: 563\Soil_95.WK1

# Albert River
# Soil/Talus Fines Analyses
# 1995

Report Date: 95.10.19
Reference : v95-00916, 945, 948, 957, 1017, 1217, 1218 note: S= soil sample, T = talus fines sampl

| Sample ID | INAA W ppm | ICP W ppm | INAA Au ppb | INAA As ppm | ICP As ppm | INAA Sb ppm | ICP Sb ppm | INAA Mo ppm | ICP Mo ppm | INAA Zn ppm | ICP Zn ppm | ICP Pb ppm | ICP Cu ppm | INAA Ba ppm | ICP Ba ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 965S | 17 | | 17 | 8 | | 3 | | 5 | | 360 | | | | 1000 | |
| 0007S | | <20 | | | <5 | | <5 | | 7 | | 110 | 42 | 81 | | 68 |
| 0017S | <2 | | <5 | 10 | | 1 | | <2 | | <200 | | | | 720 | |
| 0028S | | <20 | | | <5 | | <5 | | 6 | | 135 | 26 | 50 | | 61 |
| 0206S | 22 | | 17 | 6 | | 1 | | 2 | | <200 | | | | 890 | |
| 0214S | | <20 | | | 9 | | <5 | | 3 | | 97 | 21 | 24 | | 46 |
| 1045S | | <20 | | | 15 | | <5 | | 5 | | 128 | 26 | 37 | | 96 |

# Albert River

## Soil/Talus Fines Analyses (part 2)

| Sample ID | INAA Ag ppm | ICP Ag ppm | ICP Mn ppm | INAA Ni ppm | ICP Ni ppm | INAA Co ppm | ICP Co ppm | INAA Cr ppm | ICP Cr ppm | ICP Bi ppm | INAA Br ppm | INAA Cd ppm | ICP Cd ppm | ICP Ga ppm | ICP Li ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 965S | <5 | | | 31 | | 20 | | 78 | | | 8 | <10 | | | |
| 0007S | | 0.2 | 817 | | 57 | | 35 | | 19 | <5 | | | <0.2 | <2 | 44 |
| 0017S | <5 | | | 45 | | 20 | | 78 | | | 8 | <10 | | | |
| 0028S | | <0.2 | 820 | | 46 | | 29 | | 18 | <5 | | | <0.2 | <2 | 51 |
| 0206S | <5 | | | 44 | | 23 | | 66 | | | 5 | <10 | | | |
| 0214S | | <0.2 | 613 | | 30 | | 20 | | 15 | <5 | | | <0.2 | <2 | 37 |
| 1045S | | <0.2 | 914 | | 37 | | 24 | | 15 | <5 | | | <0.2 | <2 | 39 |

# Albert River

## Soil/Talus Fines Analyses (part 3)

| Sample ID | ICP Sn ppm | INAA Th ppm | INAA U ppm | ICP V ppm | INAA Hf ppm | INAA Zr ppm | ICP Zr ppm | ICP Sr ppm | ICP Ca % | INAA Fe % | ICP Fe % | ICP Mg % | ICP Al % | ICP K % |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 965S | | 15 | 4 | | 5 | <500 | | | | 4.1 | | | | |
| 0007S | <20 | | | 10 | | | 4 | 20 | 0.7 | | 4.7 | 2.4 | 2.2 | 0.1 |
| 0017S | | 15 | 3 | | <2 | <500 | | | | 4.8 | | | | |
| 0028S | <20 | | | 12 | | | 4 | 20 | 0.7 | | 4.0 | 2.2 | 2.2 | 0.2 |
| 0206S | | 15 | 4 | | 4 | <500 | | | | 4.8 | | | | |
| 0214S | <20 | | | 10 | | | 2 | 24 | 1.0 | | 3.1 | 2.0 | 1.8 | 0.1 |
| 1045S | <20 | | | 15 | | | 3 | 26 | 0.9 | | 3.6 | 2.1 | 1.9 | 0.2 |

# Albert River

## Soil/Talus Fines Analyses (part 4)

| Sample ID | INAA Na % | ICP Na % | ICP Ti % | INAA Ce ppm | INAA Cs ppm | INAA Eu ppm | INAA Ir ppm | INAA La ppm | ICP La ppm | INAA Lu ppm | ICP Nb ppm | INAA Rb ppm | INAA Sc ppm | ICP Sc ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 965S | 1.1 | | | 93 | 5 | <2 | <100 | 40 | | <0.5 | | 120 | 11 | |
| 0007S | | <0.01 | <0.01 | | | | | | 17 | | 0 | | | <5 |
| 0017S | 0.6 | | | 70 | 7 | <2 | <100 | 39 | | <0.5 | | 150 | 16 | |
| 0028S | | <0.01 | <0.01 | | | | | | 13 | | 0 | | | <5 |
| 0206S | 0.6 | | | 74 | 6 | <2 | <100 | 42 | | <0.5 | | 170 | 15 | |
| 0214S | | <0.01 | <0.01 | | | | | | 26 | | 0 | | | <5 |
| 1045S | | <0.01 | <0.01 | | | | | | 30 | | 0 | | | <5 |

## Albert River

# Soil/Talus Sample Analyses (part 5)

| Sample ID | INAA Se ppm | INAA Sm ppm | INAA Sn ppm | INAA Ta ppm | ICP Ta ppm | INAA Tb ppm | INAA Te ppm | ICP Te ppm | ICP Y ppm | INAA Yb ppm |
|---|---|---|---|---|---|---|---|---|---|---|
| 965S | <10 | 6 | <200 | 0 | | 0 | <20 | | | <5 |
| 0007S | | | | | <10 | | | <10 | 17 | |
| 0017S | <10 | 6 | <200 | 1 | | 0 | <20 | | | <5 |
| 0028S | | | | | <10 | | | <10 | 12 | |
| 0206S | <10 | 6 | <200 | 1 | | 1 | <20 | | | <5 |
| 0214S | | | | | <10 | | | <10 | 11 | |
| 1045S | | | | | <10 | | | <10 | 20 | |

APPENDIX E

File: 563\563_Hg.wk1

# ALBERT RIVER PROJECT
## Mercury Vapour in Soils

Date of Report: 95.09.01

| Sample ID | Hg ppb 1st run | 2nd run | average |
|---|---|---|---|
| 34AN-100W | 5.6 | 3.9 | 5 |
| 34AN-075W | 10.8 | 10.0 | 10 |
| 34AN-050W | 4.3 | 2.1 | 3 |
| 34AN-025W | 13.4 | 11.0 | 12 |
| 34AN-000E | 8.1 | 3.2 | 6 |
| 34AN-025E | 11.0 | 7.2 | 9 |
| 34AN-050E | 5.1 | 3.6 | 4 |
| 34AN-075E | 6.5 | 4.1 | 5 |
| 34AN-100E | 4.0 | 1.9 | 3 |
| 34AN-025E | 7.7 | 4.8 | 6 |
| 34AN-050E | 11.0 | 6.5 | 9 |
| 34AN-075E | 5.6 | 3.5 | 5 |
| 34AN-200E | 4.5 | 4.0 | 4 |
| 34AN-025E | 5.3 | 4.3 | 5 |
| 34AN-050E | 10.1 | 7.2 | 9 |
| 34AN-075E | 5.0 | 4.3 | 5 |
| 34AN-300E | 6.7 | 5.0 | 6 |
| | | | |
| 35N-100W | 42.8 | 33.8 | 38 |
| 35N-075W | 5.5 | 3.1 | 4 |
| 35N-050W | 5.6 | 2.8 | 4 |
| 35N-025W | 4.7 | 2.6 | 4 |
| 35N-000E | 6.0 | 2.4 | 4 |
| 35N-025E | 2.8 | 1.2 | 2 |
| 35N-050E | 5.7 | 3.3 | 5 |
| 35N-075E | 4.2 | 2.8 | 4 |
| 35N-100E | 5.3 | 3.0 | 4 |
| 35N-025E | 7.3 | 4.2 | 6 |
| 35N-050E | 3.3 | 4.2 | 4 |
| 35N-075E | 3.9 | 1.7 | 3 |
| 35N-200E | 3.9 | 1.5 | 3 |
| 35N-025E | 2.8 | 1.1 | 2 |
| 35N-050E | 2.1 | 1.8 | 2 |
| 35N-075E | 3.5 | 1.8 | 3 |
| 35N-300E | 7.3 | 3.0 | 5 |
| | | | |
| 35AN-100W | 4.7 | 2.9 | 4 |
| 35AN-075W | 7.7 | 6.0 | 7 |
| 35AN-050W | 5.3 | 3.0 | 4 |
| 35AN-025W | 5.7 | 3.6 | 5 |
| 35AN-000E | 9.6 | 8.4 | 9 |
| 35AN-025E | 5.0 | 3.3 | 4 |
| 35AN-050E | 4.6 | 3.2 | 4 |
| 35AN-075E | 6.2 | 4.1 | 5 |
| 35AN-100E | 23.9 | 29.5 | 27 |
| 35AN-025E | 2.8 | 1.6 | 2 |
| 35AN-050E | 3.7 | 2.0 | 3 |
| 35AN-075E | 5.5 | 3.9 | 5 |
| 35AN-200E | 11.2 | 10.4 | 11 |
| 35AN-025E | 4.3 | 2.6 | 3 |
| 35AN-050E | 7.7 | 7.2 | 7 |
| 35AN-075E | 5.0 | 3.9 | 4 |
| 35AN-300E | 6.6 | 5.0 | 6 |

File: 563\563_Hg.wk1

# ALBERT RIVER PROJECT
## Mercury Vapour in Soils

Date of Report: 95.09.01

| Sample ID | Hg ppb 1st run | 2nd run | average |
|---|---|---|---|
| 36N-050W | 3.3 | 1.1 | 2 |
| 36N-025W | 14.4 | 6.2 | 10 |
| 36N-000E | 2.2 | 3.4 | 3 |
| 36N-025E | 3.0 | 1.4 | 2 |
| 36N-050E | 3.9 | 2.8 | 3 |
| 36N-075E | 1.3 | 1.7 | 2 |
| 36N-100E | 9.1 | 2.6 | 6 |
| 36N-025E | 2.1 | 1.7 | 2 |
| 36N-050E | 5.1 | 1.1 | 3 |
| 36N-075E | 0.9 | 2.4 | 2 |
| 36N-200E | 1.4 | 1.8 | 2 |
| 36N-025E | 1.9 | 0.4 | 1 |
| 36N-050E | 1.4 | 1.1 | 1 |
| 36N-075E | 1.0 | 1.1 | 1 |
| 36N-300E | 1.4 | 1.7 | 2 |
| | | | |
| 36AN-050W | 0.2 | 2.6 | 1 |
| 36AN-025W | 1.3 | 4.5 | 3 |
| 36AN-000E | n/s | n/s | |
| 36AN-025E | 0.9 | 4.9 | 3 |
| 36AN-050E | 1.0 | 6.0 | 4 |
| 36AN-075E | 0.9 | 3.5 | 2 |
| 36AN-100E | 1.2 | 5.3 | 3 |
| 36AN-025E | 2.3 | 7.9 | 5 |
| 36AN-050E | 2.3 | 4.7 | 4 |
| 36AN-075E | 1.6 | 5.9 | 4 |
| 36AN-200E | 0.4 | 3.9 | 2 |
| 36AN-025E | 0.9 | 3.3 | 2 |
| 36AN-050E | 1.1 | 3.8 | 2 |
| 36AN-075E | 0.6 | 3.9 | 2 |
| 36AN-300E | 0.9 | 4.0 | 2 |
| | | | |
| 37N-000E | 4.0 | 4.6 | 4 |
| 37N-025E | 2.6 | 3.4 | 3 |
| 37N-050E | 4.6 | 6.2 | 5 |
| 37N-075E | 2.5 | 4.1 | 3 |
| 37N-100E | 1.7 | 3.5 | 3 |
| 37N-025E | 6.0 | 6.4 | 6 |
| 37N-050E | 4.0 | 4.4 | 4 |
| 37N-075E | 3.7 | 2.9 | 3 |
| 37N-200E | 2.5 | 2.3 | 2 |
| 37N-025E | 3.1 | 5.3 | 4 |
| 37N-050E | 2.5 | 2.8 | 3 |
| 37N-075E | 1.8 | 2.6 | 2 |
| 37N-300E | 1.6 | 1.4 | 2 |
| 37N-025E | 2.1 | 3.7 | 3 |
| 37N-050E | 2.4 | 4.1 | 3 |
| 37N-075E | 1.7 | 3.4 | 3 |
| 37N-400E | 3.0 | 6.4 | 5 |

APPENDIX F

# TABLE 8

## ANALYTICAL PROCEDURES

### Geochemical Analysis

by Bondar-Clegg :

| ELEMENT | | LOWER DETECTION LIMIT | EXTRACTION | METHOD |
|---|---|---|---|---|
| Ag | Silver | 0.2 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Al* | Aluminum | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| As | Arsenic | 5 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Ba* | Barium | 5 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Bi | Bismuth | 5 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Ca* | Calcium | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Cd | Cadmium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Co* | Cobalt | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Cr* | Chromium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Cu | Copper | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| F | Fluorine | 20 ppm | NaOH Fusion | specific ion electrode |
| Fe* | Iron | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Ga* | Gallium | 2 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Hg | Mercury | 10 ppb | $HNO_3$-HCl hot extr | cold vaopour atomic absorption |
| K* | Potassium | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| La* | Lanthanum | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Li* | Lithium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Mg* | Magnesium | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Mn* | Manganese | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Mo* | Molybdenum | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Na* | Sodium | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Nb* | Niobium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Ni* | Nickel | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Pb | Lead | 2 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Sb* | Antimony | 5 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Sc* | Scandium | 5 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Sn* | Tin | 20 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Sr* | Strontium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Ta* | Tantalum | 10 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Te* | Tellurium | 10 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Ti* | Titanium | 0.01 % | $HNO_3$-HCl hot extr | ind. coupled plasma |
| V* | Vanadium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| W* | Tungsten | 20 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Y* | Yttrium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Zn | Zinc | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |
| Zr* | Zirconium | 1 ppm | $HNO_3$-HCl hot extr | ind. coupled plasma |

• Please note: certain mineral forms of those elements above marked with an asterisk will not be soluble in the $HNO_3$/HCl extraction. The ICP data will be low biased.

# TABLE 9

ANALYTICAL PROCEDURES

Geochemical Analysis

by Becqueral :

| ELEMENT | | LOWER DETECTION LIMIT | | METHOD |
|---|---|---|---|---|
| Ag | Silver | 5 | ppm | INAA |
| As | Arsenic | 1 | ppm | INAA |
| Au | Gold | 5 | ppb | INAA |
| Ba | Barium | 100 | ppm | INAA |
| Br | Bromine | 1 | ppm | INAA |
| Cd | Cadmium | 10 | ppm | INAA |
| Ce | Cerium | 10 | ppm | INAA |
| Co | Cobalt | 10 | ppm | INAA |
| Cr | Chromium | 50 | ppm | INAA |
| Cs | Caesium | 1 | ppm | INAA |
| Eu | Europium | 2 | ppm | INAA |
| Fe | Iron | 0.5 | % | INAA |
| Hf | Hafnium | 2 | ppm | INAA |
| Ir | Iridium | 100 | ppb | INAA |
| La | Lanthanum | 5 | ppm | INAA |
| Lu | Lutetium | 0.5 | ppm | INAA |
| Mo | Molybdenum | 2 | ppm | INAA |
| Na | Sodium | 0.05 | % | INAA |
| Ni | Nickel | 20 | ppm | INAA |
| Rb | Rubidium | 10 | ppm | INAA |
| Sb | Antimony | 0.2 | ppm | INAA |
| Sc | Scandium | 0.5 | ppm | INAA |
| Se | Selenium | 10 | ppm | INAA |
| Sm | Samarium | 0.2 | ppm | INAA |
| Sn | Tin | 200 | ppm | INAA |
| Ta | Tantalum | 1 | ppm | INAA |
| Tb | Terbium | 1 | ppm | INAA |
| Te | Tellurium | 20 | ppm | INAA |
| Th | Thorium | 0.5 | ppm | INAA |
| U | Uranium | 0.5 | ppm | INAA |
| W | Tungsten | 2 | ppm | INAA |
| Yb | Ytterbium | 5 | ppm | INAA |
| Zn | Zinc | 200 | ppm | INAA |
| Zr | Zirconium | 500 | ppm | INAA |

# APPENDIX G

# Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report # 950656 for:

**Bill Gilmour,**
**Discovery Consultants,**
**Box 933,**
**Vernon, B.C., V1T 6M8**

**November, 1995**

**Sample: Schist: (What is Metamorphic Grade?)**

Porphyroblasts of uncertain original composition are set in a well foliated groundmass dominated by extremely fine grained plagioclase with less abundant sericite and ankerite, and minor Ti-oxide. The porphyroblasts are replaced by extremely fine grained sericite with less abundant ankerite/limonite and plagioclase; the latter two minerals are concentrated in the cores of the grains. The original porphyroblasts may have been cordierite or plagioclase. Foliation is warped moderately around the porphyroblasts. A few discontinuous veinlets up to 0.1 mm wide are of ankerite. Late seams parallel to foliation are of dark brown limonite/hematite and light orange, limonite-stained sericite.

If the original porphyroblasts were of cordierite, it would suggest a contact metamorphic origin in the upper greenschist to lower amphibolite facies. If the porphyroblasts were plagioclase, the nature of the prograde metamorphism is probably about the same, but is less well defined, and could be of a regional nature. The retrograde metamorphism to sericite-ankerite is in the middle to lower greenschist facies.

John G Payne

**John G. Payne, Ph.D.,**
**Tel: (604)-986-2928**
**Fax: (604)-983-3318**

APPENDIX H

**Vancouver Petrographics Ltd.**

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report for: K.L. Daughtry,
Discovery Consultants,
201 - 2928 29th St.,
VERNON, B.C.
V1T 5A6

Job 950736

December 20, 1995

**SAMPLES:**

Two rock samples, labelled AR-1 and AR-2, were submitted for thin sectioning and petrographic examination.

**SUMMARY:**

The two samples are essentially identical in mineralogy and general character, but appear to differ subtly in texture.

Both consist principally of fine-grained carbonate, with sericite as the major accessory. Quartz (and possible minor plagioclase), rutile and chlorite are minor constituents. The carbonate (probably mainly calcite) occurs as an aggregate of grains 20 - 200 microns in size, with minutely felted-textured sericite as an interstitial network.

In AR-1 the carbonate grains are often elongate, and show a distinct preferred orientation - possibly pseudomorphic after an original flow-textured microlitic plagioclase aggregate. In AR-2 the carbonate distribution is more irregular to streaky, and the weak foliation is emphasized by occasional discrete laminar segregations. The fabric in this sample lacks any specific features suggestive of igneous affinities.

The petrography provides no definitive indication of the genesis of these rocks. They could be altered fine-grained igneous rocks (volcanics or tuffs) or mildly metamorphosed marly sediments. The relative abundance of rutile possibly favours an igneous affiliation. The distinctly oriented fabric and very fine, even grain size appear somewhat inconsistent with origin as altered, or carbonatitic, dykes.

Individual petrographic descriptions are attached.

J.F. Harris Ph.D. (929-5867)

SAMPLE AR-1 CARBONATE-SERICITE ROCK

Estimated mode

| | |
|---|---|
| Carbonate | 52 |
| Sericite | 28 |
| Chlorite | 3 |
| Quartz | 8 |
| Plagioclase | 1 |
| Rutile)<br>Leucoxene) | 5 |
| Opaques | 2 |
| Limonite | 1 |

This sample is a fine-grained grey rock showing a silky, oriented fabric.

Thin section examination shows that it consists predominantly of carbonate. This occurs as individual, anhedral, often elongate grains, 20 - 200 microns in size, and as small mosaic clumps and lenticular aggregates thereof. The rock shows fairly rapid reactivity with dilute acid, indicating that the carbonate is mainly calcite.

Sericite is the principal accessory. This occurs in extremely fine-grained (2 - 20 microns) form, as felted-textured wisps and networks intimately intergrown with the carbonate in an interstitial/matrix relation.

A colourless, low-birefringent component is a more minor accessory. This appears to be predominantly quartz, but includes at least a few grains of definite plagioclase (showing lamellar twinning). It occurs in microgranular aggregate form (of grain size 10 - 50 microns), as small clumps and elongate wisps throughout the calcite/ sericite intergrowth. Rare, individual, elongate quartz grains reach 0.2 mm in size.

Rutile is a prominent minor accessory, as tiny flecks, laths and skeletal clusters. It is a sub-translucent cryptocrystalline variety, probably more or less modified to leucoxene.

Chlorite is a sporadic minor component as small pockets and lenticles, and as rims to a few quartzo-feldspathic segregations.

Pyrite occurs as a few discrete subhedra, ranging up to 1 or 2 mm in size.

One side of the sectioned area exhibits prominent porosity (partial leaching) and incipient limonitization of carbonate. It probably represents a rind of surface-related weathering and oxidation.

The origin of the carbonate in this rock, and the significance of the oriented fabric, are uncertain. The initial impression is that

Sample AR-1 cont.

the carbonate may be a product of metasomatic alteration of an original igneous aggregate of sub-parallel plagioclase laths. However, there is no direct evidence for this in the form of partial remnants of feldspar - in fact the minor component of recognizable feldspar is notably fresh. The suggestion that the carbonate might be of primary magmatic (carbonatitic) origin is certainly a possibility, but the extremely fine grain size and textural homogeneity are atypical.

Although field relationships apparently indicate the occurrence of this rock as a dyke, there is no definitive petrographic evidence for igneous origin - except perhaps the relative abundance of rutile.

SAMPLE AR-2 IMPURE CARBONATE ROCK

Estimated mode

| | |
|---|---|
| Carbonate | 48 |
| Sericite | 30 |
| Chlorite | 3 |
| Quartz | 10 |
| Rutile | 5 |
| Opaques | 4 |

This sample is essentially identical to AR-1 in terms of mineralogy and general textural character.

Macroscopic examination of the thin section reveals the presence of a few discrete, thin, parallel laminae segregations (0.2 mm in thickness) of carbonate, concordant to the weakly oriented microfabric. Rare laminar wisps of chert or felsite of similar thickness appear to cross-cut the foliation.

This sample has a higher abundance of opaques than AR-1, in the form of individual subhedra of pyrite to 2 or 3 mm in size, typically elongated parallel to the directional fabric. These are sometimes rimmed by selvedges of chlorite and/or microgranular quartz.

This thin section includes one or two small (1 - 2 mm) augen-like clumps of polygranular carbonate and of chlorite.

The same genetic possibilities apply as discussed for AR-1. The fabric differs from that of the previous sample in that the carbonate is somewhat finer grained overall, and its distribution does not have the aspect of a metasomatized lath-like plagioclase aggregate. If anything, it more resembles a mildly metamorphosed, fine-grained, marly sediment.

FEB 0 5 1996

Harris
EXPLORATION
SERVICES

*MINERALOGY AND GEOCHEMISTRY*

534 ELLIS STREET, NORTH VANCOUVER, B.C., CANADA V7H 2G6 TELEPHONE (604) 929-5867

W.R. Gilmour,
Discovery Consultants,
201 - 2928 29th St.,
VERNON, B.C.
V1T SA6

February 1st, 1996

Dear Bill,

Re your faxed data on the whole rock analyses of AR 1 and 2 and similar rocks, I certainly agree that there is a marked lack of correspondence with the petrographically estimated mineralogy.

The discrepancies extend beyond a lack of adequate CaO+MgO+L.O.I. to account for the observed carbonate percentage.

The presence of substantially more intergrown sericite is not an acceptable explanation, as the given $K_2O$ analyses of about 3% are right for the 30% sericite I estimated.

The $SiO_2$ levels of around 45% in the analyses are very hard to explain, and would necessitate quartz contents of about 30% (or, say, 25% quartz plus 10% plagioclase - to account for the 1.5% $Na_2O$ in the analyses) over and above the $SiO_2$ contained in the 30% sericite and minor chlorite. The presence of some plagioclase does not surprise me - in fact most of what I tentatively called quartz could be feldspar - but where could an additional 25% of quartz be hiding? It is certainly not apparent in the thin sections.

The analyzed $SiO_2$ of 45% is certainly at odds with your hypothesis that these rocks might be of carbonatitic affinitites.

The analyzed $Fe_2O_3$ and $TiO_2$ levels are also puzzling. I did not observe enough pyrite or limonite to account for 7.5% $Fe_2O_3$; on the other hand, the analyzed $TiO_2$ of 1.3% fails to account for the unusually abundant accessory rutile which I observed.

These rocks were not "difficult" from a petrographic view point, and although my estimates of relative proportions may not be quantitatively exact, I am confident that they are not grossly erroneous. Could you, perhaps, have someone else look at the slides to check my observations? If you wish, I could have my Vancouver Petrographics colleague John Payne do so.

I am sure it is unnecessary for me to point out that one cannot discount the possibility of differences due to sample heterogeneity. If the quoted analyses were done on the actual off-cut pieces - which represent the closest approximation to the material of the thin sections - this should not be a consideration. However, if they were done on different hand specimens - even though these looked to be the same material - substantial discrepancies could arise. Certainly the analyses you quote - unless in some way erroneous - cannot be of rocks of the same kind that I looked at in the slides AR 1 and 2.

Please let me know of any further developments in this situation.

Yours sincerely,

J.F. Harris

# APPENDIX I

95-014

# REFLECTION SEISMIC SURVEY

# AT ALBERT RIVER PROPERTY

# NEAR CRANBROOK, B.C.


**Prepared by:**

***COOKSLEY GEOPHYSICS, INC.***

**James W. Cooksley**


**November, 1995**

TABLE OF CONTENTS

## EXECUTIVE SUMMARY

In September of 1995, a reflection seismic geophysical survey was implemented in the headwaters of the Albert River, near Cranbrook, British Columbia (Figure 1). Approximately 1,900 meters of traverse along two lines was conducted, yielding 1,780 meters of reflection seismic profile (Figure 2). The survey was directed toward identification of possible intrusive rocks underlying the site.

## INTRODUCTION

This report covers the execution and preliminary findings of a seismic reflection geophysical survey conducted at the subject site. Near surface (< 100M) intrusive rocks may be present in the study area as indicated by a disruption of horizontal continuity of reflecting horizons and seismic signal expressed in the time sections (Figures 3 & 4).

Interpretation of the seismic time sections concludes the presence of deep seated (> 300M) intrusive rocks under the Paleozoic rocks in the study area.

Seismic field operations were conducted from September , 1995 through October 13, 1995. The main factor affecting the data acquisition phase was the exceedingly steep topography. This had the effect of slowing this phase of the program significantly. The weather varied from cold and clear to cool and wet with temperature ranging from 0° C to 10° C. The data processing phase was completed November 3. Compilation of the draft report complete with geologic interpretations were completed November 15, 1995.

## DATA ACQUISITION

Approximately 1,900 meters total of seismic traverse was completed between two lines, A and B, designations and profile lengths are as follows:

| LINE | STATIONS | LENGTH IN METERS |
|---|---|---|
| A | 1-99 | 950 |
| B | 1-90 | 830 |

The location of seismic lines are shown on the Location Map Figure 2.

The field data acquisition parameters were as follows:

| | |
|---|---|
| Channels recorded | 24 |
| Sensors per channel | 1 |
| Spacing of stations | 10 meters |
| Spacing of source points | 10 meters |
| CMP (common mid-point) coverage | 12 fold |
| Low cut filter | 8 hz |
| High cut filter | 125 hz |
| Recording length | 0.5 second |


# VICINITY MAP

ALBERT RIVER SEISMIC DATA AQUISITION

FIGURE 1

A three man crew from Cooksley Geophysics, Inc. and one climber assistant from Diamet was used in the data acquisition phase of this program. The Party chief/observer managed and supervised the crew, operated the seismograph, and transferred the seismic data to 3.5 inch , 1.4 megabyte diskettes. Three field assistants deployed seismic cables and sensors, prepared the recording site, and operated the seismic source.

## DATA PROCESSING

### Basic Processing

Initial processing consists of applying corrections to the data which allow for the source point-sensor geometry, and for surface topography of the site. The first correction, termed normal moveout (NMO), is designed to allow for the variation in the path length (and therefore travel time) between arrivals at sensors near and distant from the shot points. The second correction is termed the static correction, and allows for elevation differences between the shot points. All sensor station data are referenced to datum elevation, using line survey data obtained in the field by the seismic crew. During this initial processing additional digital frequency filtering may be applied.

### Common Depth Point Stacking

In preparation for the stacking of twelve-fold coverage, each subsurface reflection point is defined according to the geometry of the shot point sensor configuration. Then each trace from the records that corresponds to energy reflected from a particular depth point is assigned to that depth point's "trace gather". During the stacking process, all data traces in the trace gather are summed to generate the resultant trace which represents that depth point on the record sections. This stacking process has the effect of causing cancellation of signals which are not in phase on all traces of the gather, and causes enhancement of those signals which are in phase. Theoretically, this results in enhancement of the reflected energy and improvement of the signal to noise ratio (S/N).

### FK Filtering

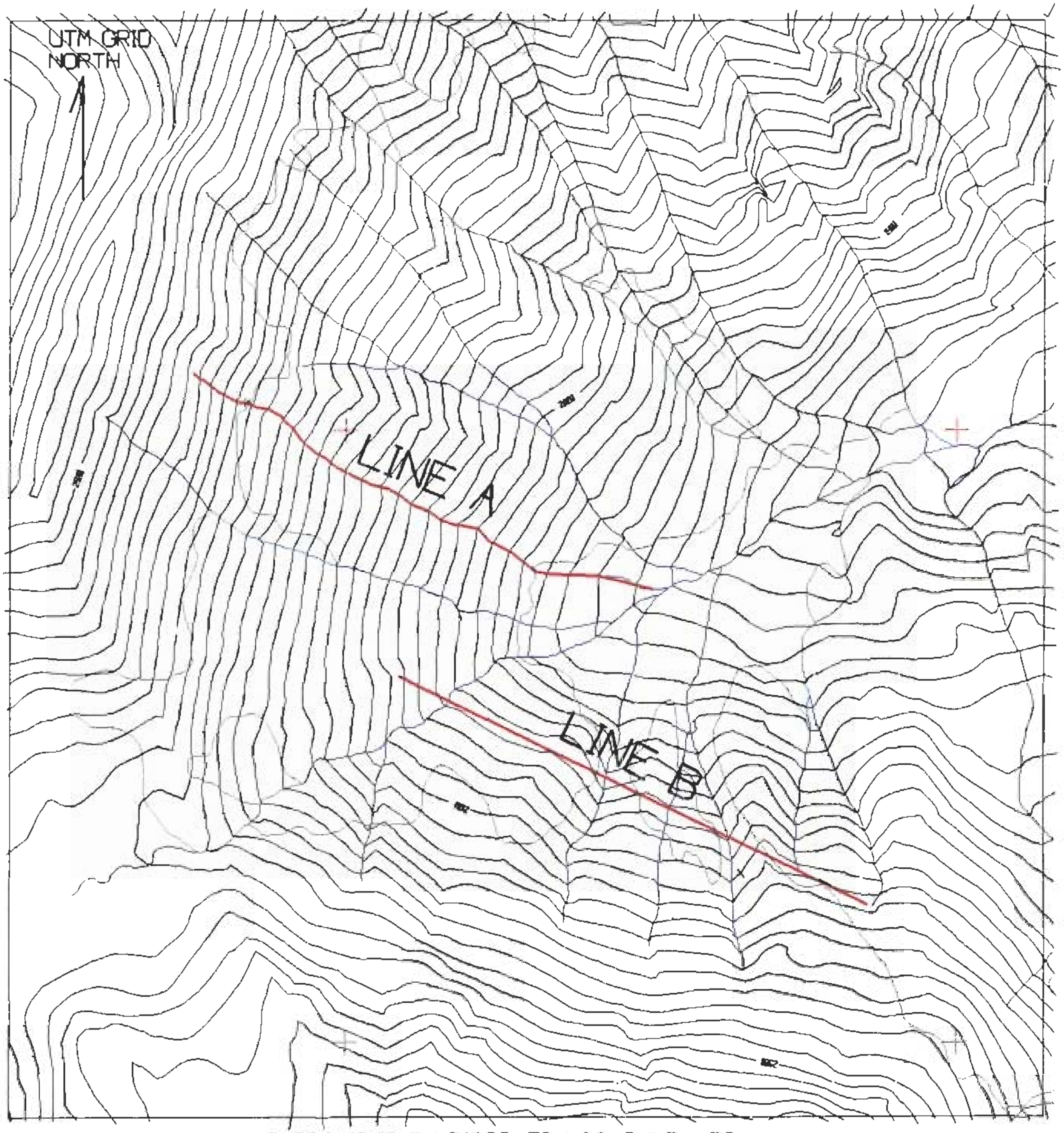
Fk filtering was employed to diminish the effect of that component of the noise which horizontally traversed the seismic line in the 2000 to 2500 meter/second velocity range.

### NMO Correction Used in Defining Velocity Units

Routine seismic data processing employs a velocity function which applies a time variant normal moveout (NMO) correction to the seismic recordings. This function accounts for the increase in RMS (average) velocity with depth, and thus the time of recording. The average velocity at a given recording time is the weighted average of the various velocities of propagation the seismic wave experiences while traversing down to and returning from that given depth. This velocity function makes possible the display of the shallow, lower velocity events along with the deeper, higher velocity events.

If an erroneous NMO velocity is used in processing a given common depth point (CDP) data set, seismic events become indistinct or disappear completely. This particular condition can be used as a powerful interpretation tool. By applying an NMO correction based on a constant velocity instead of a velocity function, one sees only that data which possess that RMS velocity on the section. In this program, constant velocities panels were derived for NMO correctional velocities of between 3.0 and 4.5 Km per second.

# APPROXIMATE SEISMIC LINE LOCATION




MAP PROVIDED BY DISCOVERY CONSULTANTS

JOB NO. 95014

contour interval = 20 meters

0 100 250 500

SCALE METERS

FIGURE 2

## GEOLOGY

The subject site is located within the Paleozoic Northern Rocky Mountains of the Western Cordilleran. No attempt at detailed mapping was made as the client provided sufficient data to form a basis on which to interpret the seismic time sections.

The subject site has been mapped by previous workers as Upper Cambrian Chancellor Formation. The upper member, a non-calcareous to weakly calcareous shale and slate with minor phyllite has been mapped as the structurally lower autocthonous unit overthrusted by the middle member. The middle member includes interbedded, laminated to medium bedded silty to argilliceous limestone and calcareous slate with minor phyllite, thick bedded to massive limestone, calcareous shale and quartz-carbonate veins.

Post Middle Cambrian aphanitic intrusives have been identified in the area and crop out upslope and sub-parallel to line B.

Geochemical surveys conducted in the area have detected anomalous concentrations of tungsten and gold and are likely the result of hydrothermal alteration of the meta-sediments and/or skarn development as a result of contact with the intrusives.

## INTERPRETATION

Refer to the geologic interpretations of Figures 5 and 6.

**Line A**

This northwest-southeast trending line begins at approximately 2400 meters in elevation and proceeds southeast for a distance of approximately 1000 meters down an east flowing drainage toward the Albert River to an elevation of 1850 meters. Refraction velocities of approximately 10,000 fps (~3030 meters per second) conforms to velocities expected in the near surface Paleozoic strata.

Possible near surface intrusions or other vertical structures are interpreted below stations 10 and 30. These intrusions appear to truncate and warp the sub-parallel, shallow dipping to horizontal contiguous events evident in the upper portion of the section.

From approximately station 50 to the east end of the section, the data is characterized by the onset of coherent strong and continuous events occasionally interrupted by folding and possible faulting.

The interpretation of a deep seated intrusive is based solely on the lack of coherent signal. The accuracy of this interpretation might be confirmed by using high energy explosives for the seismic source.

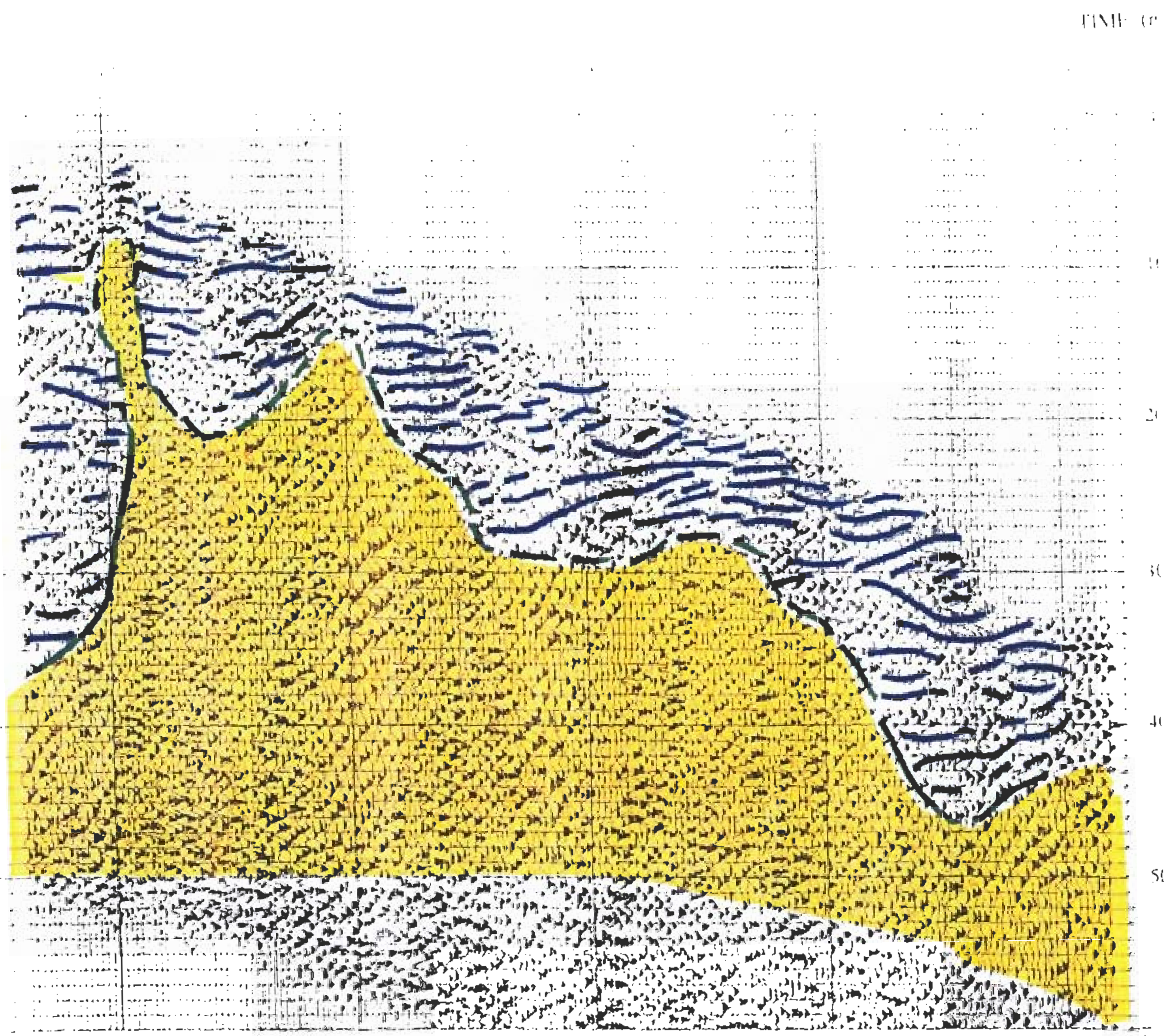
**Line B**
This northwest-southeast trending line, sub-parallel to Line A, started approximately 100 meters northwest of one of the creeks of the Albert River drainage at an elevation of approximately 2075 meters and extended southeasterly for approximately 870 horizontal meters to approximately 2110 meters.

The section depicts possible fault structures at about station 17, 68 and at station 70, where strong, well defined continuous events are broken and possibly offset.

A possible near surface intrusion exists between stations 40 and 48 as evidenced by discontinuous and scattered data within this interval. This interval apparently extends upward to within 100 meters of the surface.

Another near surface area of interest exists in the footwall of the fault at station 17 and is marked by low frequency, out of phase signal at 120 to 180 milliseconds.

LINE A VNMO=VF AGC=250 TRS=2.0



JOB NO. 95014

FIGURE 3

LINE B VNMO=VF AGC=50 TRS=20

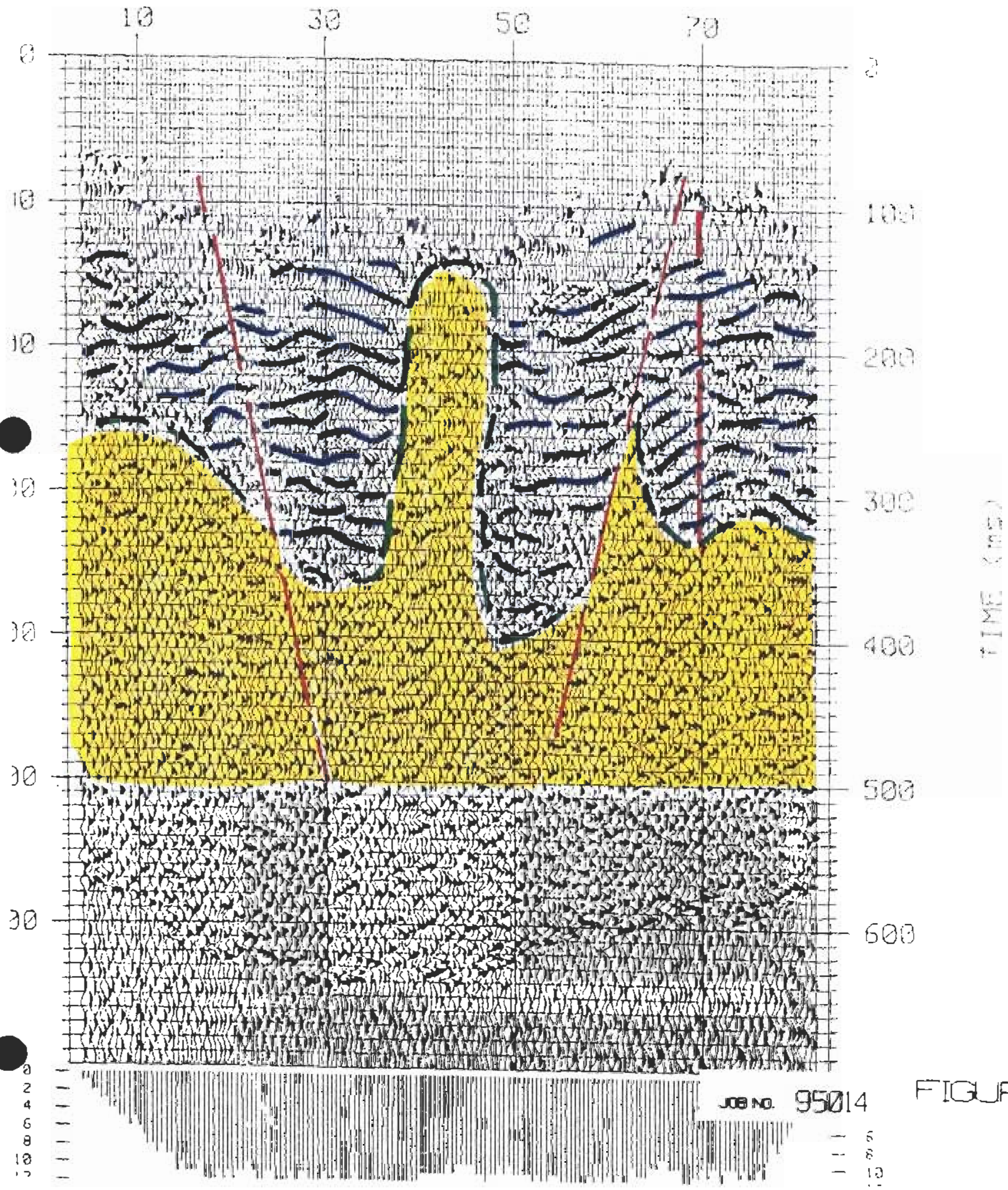
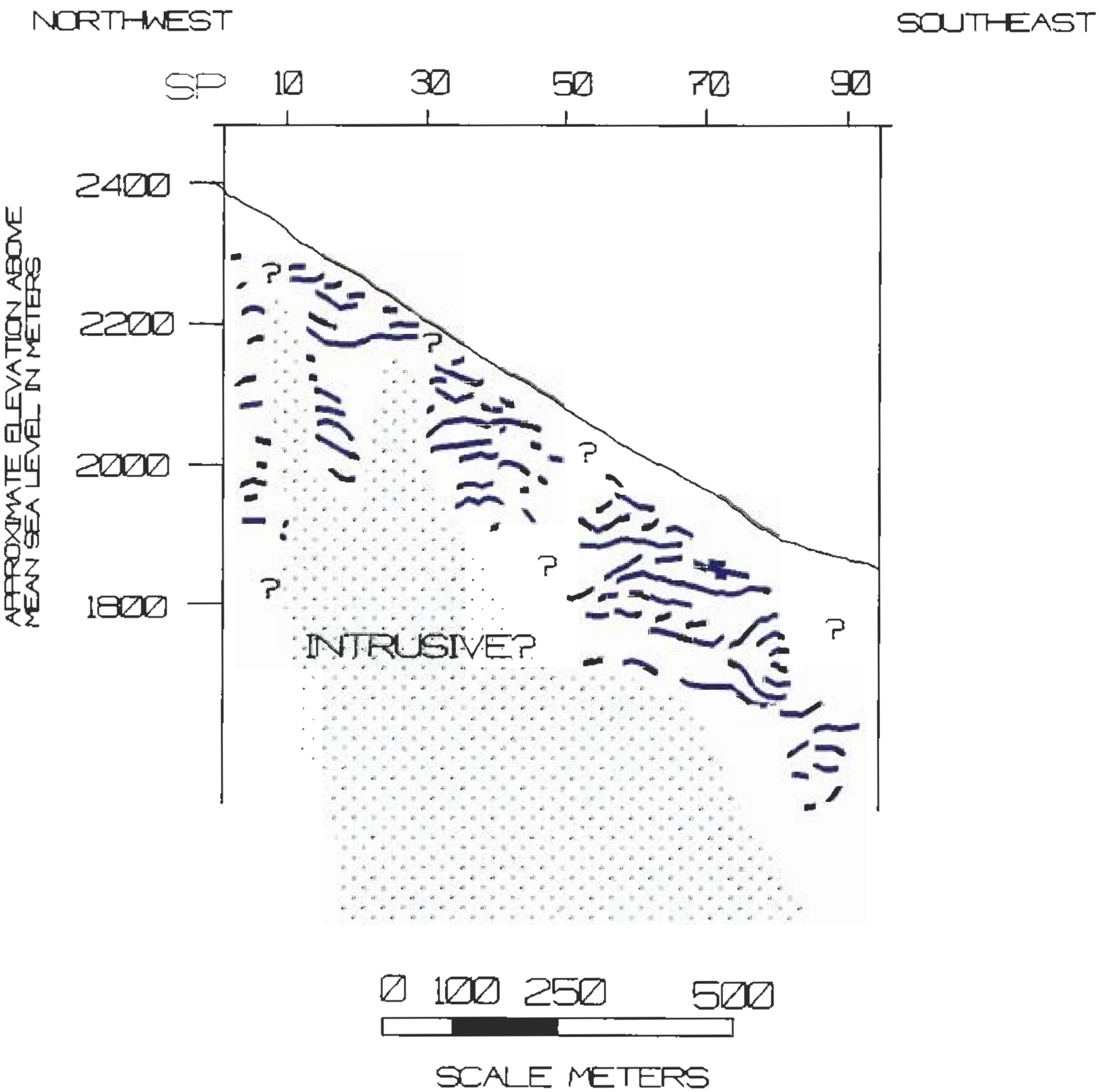


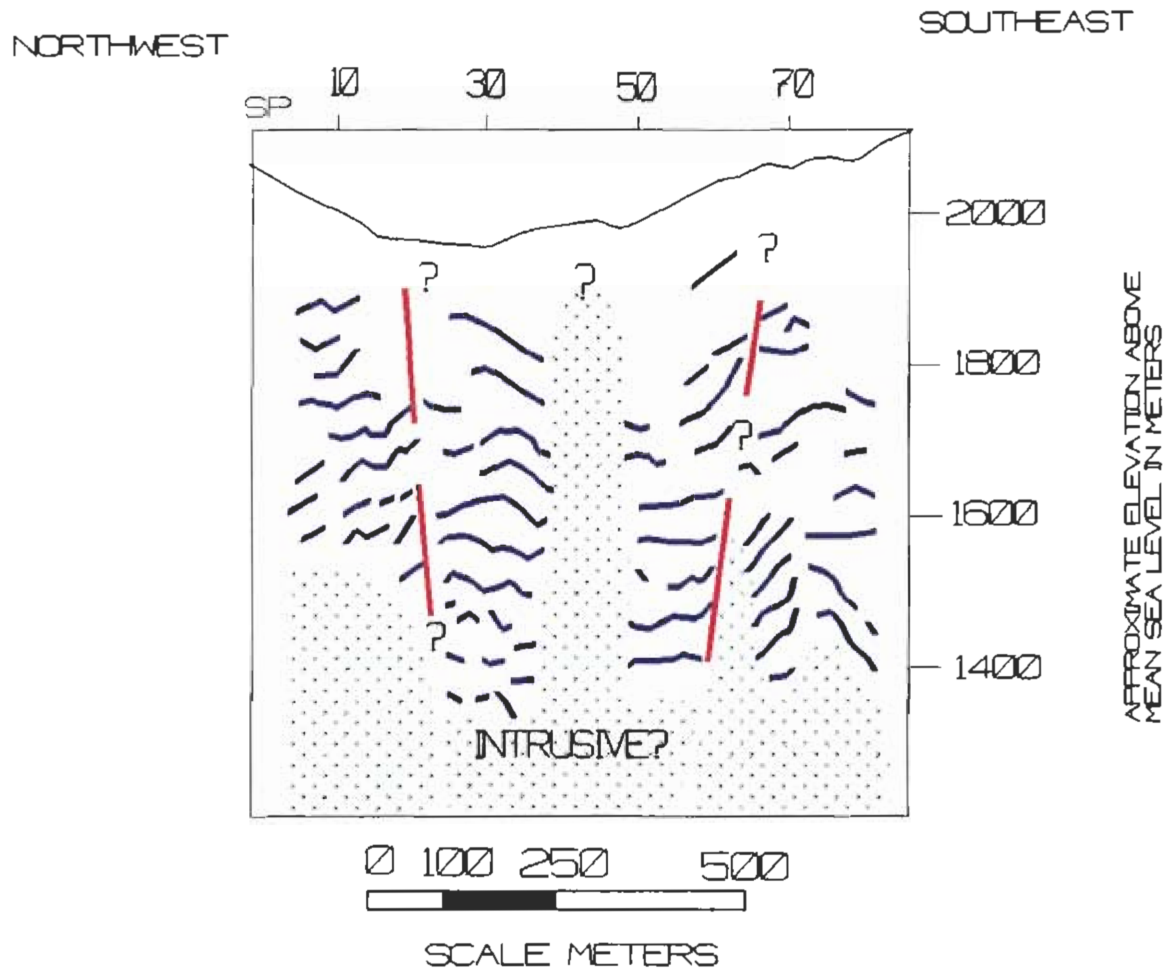

FIGURE 4

# LINE A



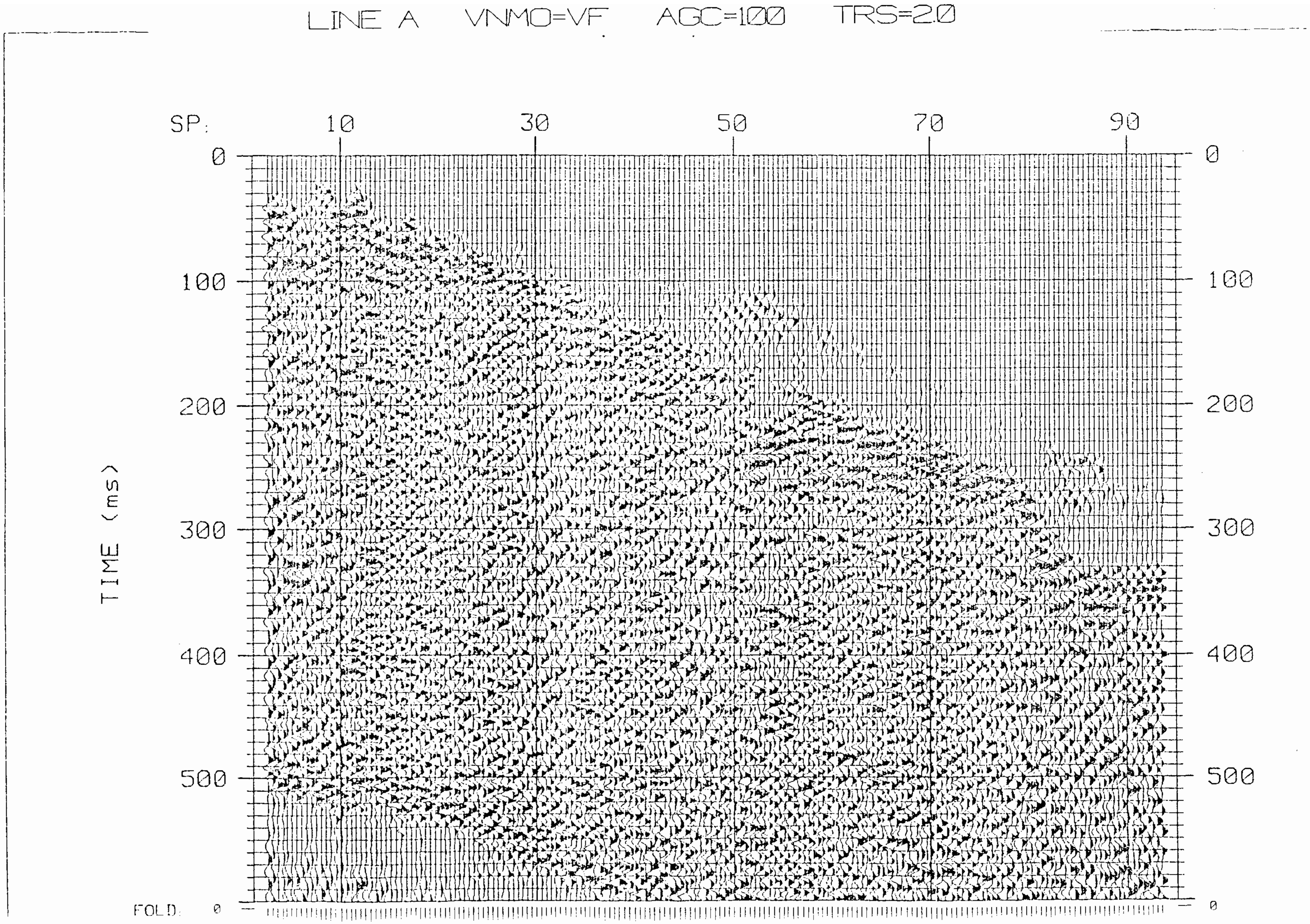

| SEISMIC LINE A | |
|---|---|
| GEOLOGIC INTERPRETATION | |
| CLIENT: DISCOVERY CONSULTANTS | |
| DRAWN BY: M. JONES<br>CHECKED: J. COOKSLEY<br>JOB NO. 95014 | FIGURE 5 |

# LINE B



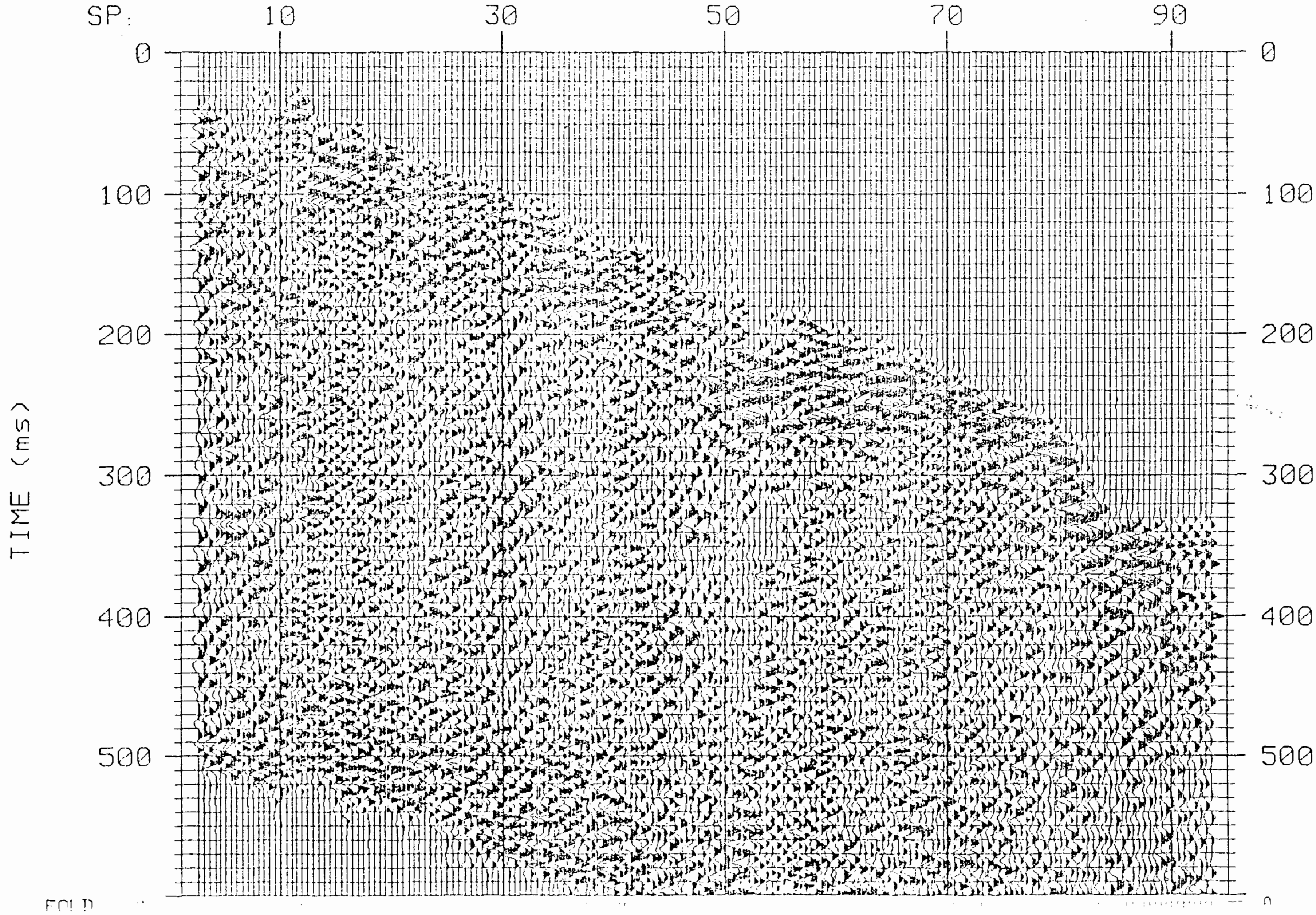

| SEISMIC LINE B | |
|---|---|
| GEOLOGIC INTERPRETATION | |
| CLIENT: DISCOVERY CONSULTANTS | |
| DRAWN BY: M. JONES<br>CHECKED: J. COOKSLEY | FIGURE 6 |
| JOB NO. 95014 | |

# APPENDICES

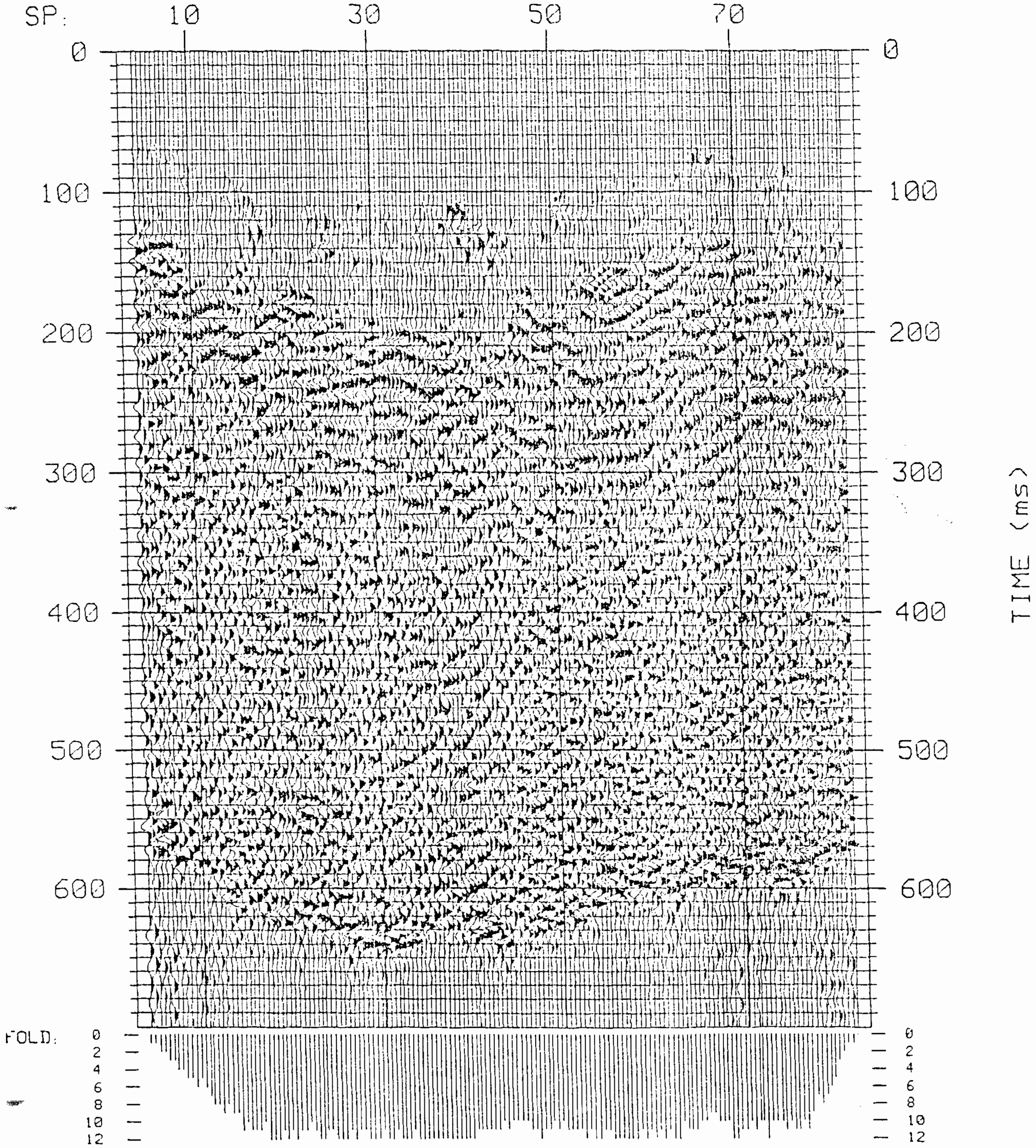


LINE A VNMO=VF AGC=100 TRS=2.0
SP:
10
30
50
70
90
0
100
200
300
400
500
TIME (ms)
FOLD: 0
0

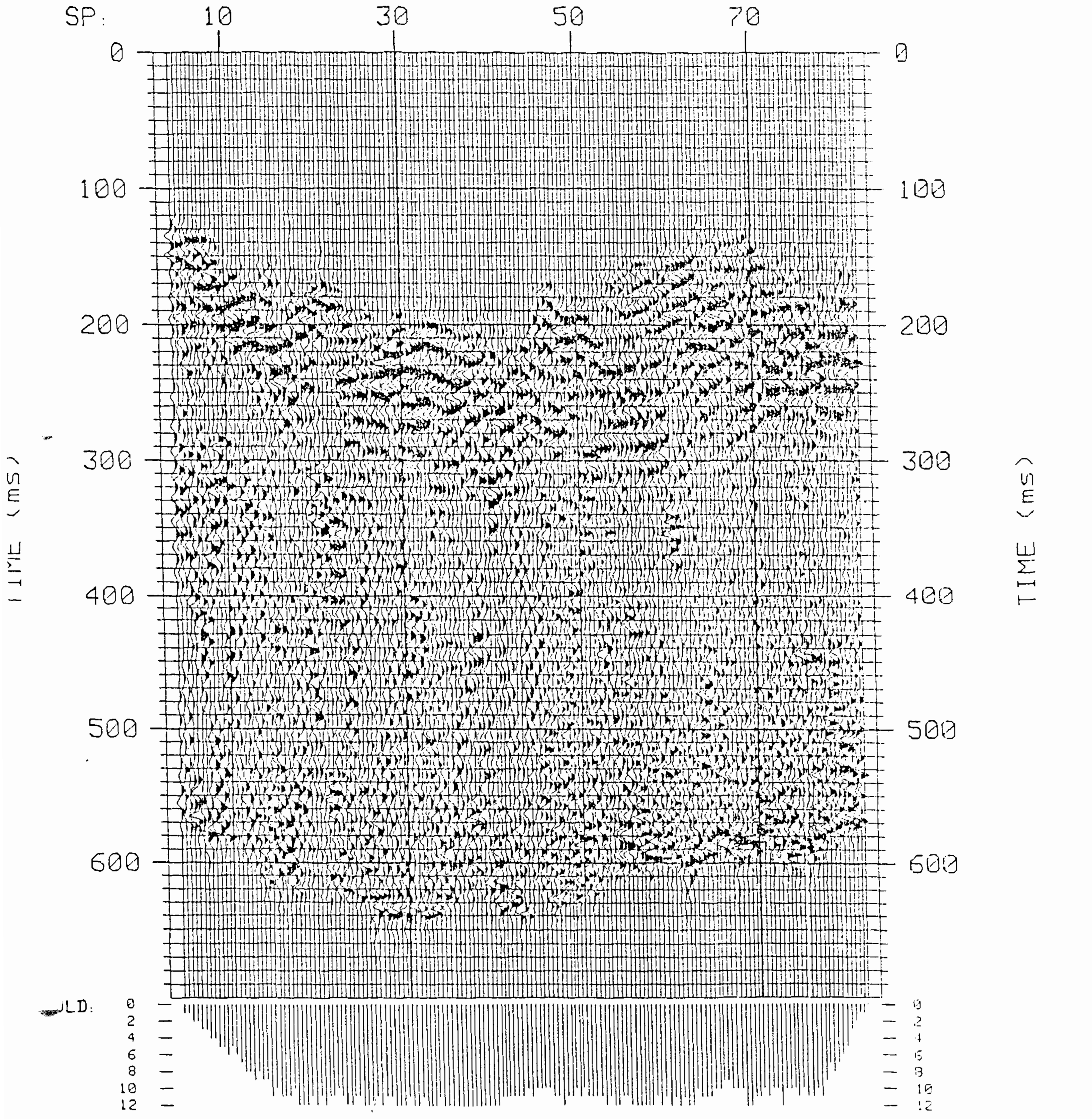
LINE A VNMO=VF AGC=250 TRS=2.0



LINE B VNMO=VF AGC=100 TRS=2.0



LINE B VNMO=VF AGC=250 TRS=1.5



APPENDIX J

# GEOPHYSICAL REPORT

on the

Albert River Property

on behalf of

Goldtex Resources Ltd.

&

Dia Met Minerals Ltd.

by

P.P. Nielsen, B.Sc.
Geophysicist

Vernon, B.C. Dec.1995

## TABLE OF CONTENTS

**INTRODUCTION:**

During the period of August 2 - 15, 1995 a combined ground magnetometer - V.L.F. electromagnetic survey was carried out over certain soil sample lines in the south cirque (Fig.29). The purpose of the survey was to attempt to detect a possible buried granitic intrusive and/or skarn-type mineralization suggested by the results of a previously executed airborne and ground reconnaissance magnetometer survey (Fig 28), which might be the causative source of anomalous tungsten values detected in soil samples and numerous scheelite rock samples.

The survey was carried out by the author, Phil Nielsen, geophysicist, with the assistance of R. Anctil of Discovery Consultants. This portion of the coverage constituted 8.3 line-kilometers (including the baseline).

Survey production was severally impeded by unseasonably rainy-snowy weather, poor visibility, precipitous cliffs, thick bush (no line cutting), equipment failure due to excess moisture and helicopter unavailability. In 14 days only four days of actual field work was done.

Later, from September 13 - 17, 1995, further ground magnetometer coverage was carried out over soil survey lines in the north cirque (Fig. 29) upslope from the 1986 magnetometer-geochemical grid (Fig. 28) in an area of anomalous tungsten and gold geochemical results as well as significant scheelite-bearing rock samples. This survey consisted of three small soil sample grids with lines spaced 25 metres apart using a station interval of 25 metres. An Exploranium Unimag II proton magnetometer was used and, because of the small grids and the urgency of executing the survey, it was decided to forgo the use of a base-station recorder and loop the lines instead. Due to excellent weather and no underbrush, it took only two field days to carry out this portion of the work. 7.2 line-kilometers of grid (including baselines) were magnetically surveyed.

An additional day was spent running three magnetometer traverses totalling 1.3 km. along the west side of a small tarn about 3 km. south of the centre of the south grid (Fig.29). This work was carried out to investigate the report of the presence of spotted hornfels along the lake shore.

Due to the somewhat disappointing results and faced with having to drill virtually blind, it was decided to try other geophysical techniques. MWH Geo-Surveys was contracted to provide three gravity traverses, one in each of the north and south cirques and one along the eastern shore of the south lake where the terrain was quite flat (Fig.29). The south cirque traverse coincided closely to grid line 500N starting at station 100W ( gravity station 101) and then following line 400N after about station 200E where the two lines merge and finishing at grid co-ordinates 400N;800E (gravity station 120).

The north cirque traverse began at the cliffs of grid #1 (2250 metres A.S.L) at line 3100N;station 375W (gravity station 101) and proceeded down the fall-line along line 3100N, through the eastern corner of grid #2, down a creek to the south shore of a small tarn at the base of the cirque (gravity station 120) and into the conifers on the other side of the cirque where it was terminated at gravity station #126. The gravity profiles (Bouger anomaly using density of 2.2 gm/cm), traverse location map, and field data plus corrections in tabular form are included and discussed in this report.

Additionally, two reflection hammer seismic lines were executed by Cooksley Geophysics Inc. in the south cirque (Fig.29), one roughly along the grid line 600N down a creek and the other sub-parallel to it but offset to the southern cirque wall roughly along the 2000 to 2100 metre topographic contours. The results of this work are in a separate report submitted by J. Cooksley. The instrument used was purported to achieve depth investigations in the order of 1000 metres using a hammer as the energy source! Further seismics were planned, especially in the north cirque, but had to be cancelled due to the sudden onset of winter.

**LOCATION AND ACCESS**

The property is located near the headwaters of the Albert and Cross rivers which are tributaries of the upper Kootenay River approximately 34 air kilometres northeast of the village of Invermere, B.C. and 60 km. SSW of Banff, Alta. (Figs. 2 & 3)

Up until about August 20th the base of operations was a tent camp at the end of an inactive logging road at the foot of the north cirque. The property can be reached along de-activated logging roads using 4 wheel-drive and all-terrain vehicles but for this work, camp support and daily access to the grid was provided by a Jet Ranger helicopter which flew in from Invermere each morning to deploy the crew and returned each evening for pick-up (weather permitting).

Subsequent work was done by helicopter directly out of Invermere with the personnel being lodged in motels.

**METHOD**

The combined ground magnetometer - V.L.F.electromagnetic survey (south cirque) was carried out using a Scintrex I.G.S-2 unit with a Scintrex MP-3 base station digital recorder. Both units contain sufficient random access memory (RAM) for the storage of a minimum of one days field measurements. At the end of each survey day the magnetic readings were automatically corrected for diurnal variation by patching the two units together and then the entire data field was downloaded to a computer where it was edited, saved to diskette and printed. The instrument accuracy was 0.1 nT for the magnetic measurements and +/- 0.5% for both the secondary VLF-EM measurements yielding accuracies of 0.2 degrees for the computed dip-angle and 0.2% for the computed quadrature component.

Readings were taken along lines spaced 100 metres apart using a station interval of 25 metres. The magnetic data was treated to a low pass filter, upward continued 25 metres, and machine contoured.

For the V.L.F.portion of the survey, the naval transmission station of Annapolis, Maryland (21.4 KHz) was used. Although the line orientation was wrong for profiling purposes this appeared to be the only strong, dependable signal available on the days in which weather allowed work to be carried out. The Seattle station was preferred but did not transmit on two of the four survey days.

The VLF data was shipped to F. Syberg, geophysicist, in Vancouver, B.C. where it was computer processed and contoured. His technique is described in the appendices.

The north cirque was magnetically surveyed with readings being taken over a 25 metre square grid configuration and recorded in a field book. Baselines were run on all three grids and the lines looped to facilitate the correction of diurnal variations. A base station at the Invermere airport was also read at the start and finish of each survey day. The corrected magnetic readings were transferred from the field book to a computer and merged with the base grid map. The resulting values map was then hand contoured.

## DISCUSSION OF RESULTS

### 1. South Cirque

The magnetic contour map (Fig.32) does not appear to have detected either a buried intrusive or skarn-type mineralization. There is no confirmation of the subtle circular feature suggested in the 1984 reconnaissance magnetometer survey nor are there any significant dipolar anomalies usually associated with skarns or contact metamorphic deposits.

The filtered contour V.L.F. dip-angle map (Fig. 34) and the accompanying quadrature map (Fig. 33) have yielded some possibly interesting results in that linear conductors appear to be present particularly in the area of interest suggested from the previous magnetic " anomalies". The terrain and thickness of bush did not allow very accurate or complete survey coverage over parts of this area and it is possible that further geophysical attention must be given to this portion of the grid. For example, line 200N could not be continued to the east of about station 525E due to rock bluffs and the operator had to detour onto adjacent line 100N at about station 600N where he tried again without success to pick up the previous line.

A coincident dip-angle/quadrature high occurs in the aforementioned area and is delineated by the +30% contour on the quadrature map (Fig. 33). This conductive zone trends north-westerly from grid co-ordinates 100N;575E to 200N;450E which is very close to the direction of fold axes shown in Fig.7. It may be interesting to note that the northeast segment of this contour is the demarcation of the steep bluff which made surveying difficult in this vicinity.

The 56975 nT magnetic contour (Fig. 32) outlines a low at the base of the bluffs with the southwest segment of the contour conforming closely to the +30% quadrature contour segment.

The interpreted intrusion from the seismic line B occupies the south east end of the +30% quadrature anomaly as well (i.e. zone centred on grid co-ordinates 110N;585E). See below.

The gravity profile indicates a relatively flat response which is not surprising given the nature of the steep terrain as well as the expected low density contrast between the two rock types of the model. That is, the sediments, consisting mainly of shales and limestones, should have a density of 2.0 to as high as 2.8 $gm/cm^3$ (in the case of water-saturated dolomite) whereas granite is typically 2.5 to 2.8 gm/cm$^3$. Taking the average of these values, it is probable that the density contrast is in the vicinity of 0.35 gm/cm$^3$.

The small positive residual anomaly (+1 milligal) taken from the Bouger anomaly profile is centred at grid co-ordinates 425N; 350E, an area of flat magnetic response. This feature is probably within the noise envelope caused by the inherent errors due to the terrain, overburden/ice thickness variations and geographical controls and is, therefore, uninterpretable.

The seismic section labelled Line A is interpreted by Cooksley to be due to possible near surface intrusions or other vertical structures below stations 10 and 30. These locations conform to grid co-ordinates 600N;200W and 600N;000 respectively. He goes on to say that "the interpretation of a deep seated intrusive is based solely on the lack of coherent signal. The accuracy of this interpretation might be confirmed by using high energy explosives for the seismic source." This is interpreted by this author to mean that the instrument did not achieve the depth penetration advertised and that the area of the section indicating a deep seated intrusion is beyond reliable depth penetration and is, therefore, uninterpretable. The near surface vertical features could be valid, however, but one cannot determine from one profile what the geometries of the causative sources are. They could conceivably be due to a dike-like feature. The first feature (station 10) is off the Mag-VLF grid and the other at station 30 is at the very edge of the grid and does conform to an open-contour, sub-anomalous magnetic high. A more significant magnetic anomaly 200 metres down hill has no obvious near-surface seismic signature similar to the ones above.

Seismic Line B is interpreted by Cooksley to depict faults at stations 17, 68, and 70. The station 17 feature (fault) does not coincide with the main south cirque creek which flows north easterly and is at a magnetically uninteresting location. The "possible near surface intrusion exists between stations 40 and 48... extends upward to within 100 metres of the surface." These stations conform approximately to grid co-ordinates 130N;525E and 100N;625E respectively. This portion of the traverse is immediately to the south and upslope of the area of poor grid control mentioned above. This could be caused by a granitic intrusion or dykes which are observed nearby.

The interpreted fault at seismic station 70 is well to the east of the grid and could be due to the dykes.

2. North Grid- Fig.31

The magnetics over the upper cirque area ( three small grids) indicate a maximum relief of only 100 nT. On grid #1 the small magnetic high of 20-30 nT conforms to an erosional remnant of sediments poking through talus.

On grid #2 the magnetics appear to be of a higher background level. The higher values in the northwest quadrant of this grid agree well with the geochemical results in that they conform to high gold, tungsten, and mercury values. A N-S trending magnetic linear could be construed going through the centre of this zone, which is also mapped as "18.5 metres wide, abundant quartz and quartz-calcite veining", and extend through to the north corner of grid #1 and represent the trace of the Albert fault and/or reflect thin talus cover.

The gravity profile illustrates a small negative residual trough at gravity station #106 which occurs in a small basin of talus and is thought due to this unconsolidated, relatively unsaturated material. Attendant "highs" on each side of this "low" are interpreted due to near-surface bedrock sediments.

Nothing of interest was noted geophysically on grid #3.

3. Southlake-

Neither the magnetics nor the gravity profile indicated anything of interest. The geophysics did not indicate any degree of metamorphism or alteration to support the observed spotted hornfels.

## CONCLUSIONS & RECOMMENDATIONS

The results of the 1995 geophysical program on the Albert River property are quite disappointing in that the source of the tungsten mineralization and geochemical soil anomalies have not been discerned. No drill targets have been ascertained.

The magnetometer survey failed to delineate with any certainty either a buried intrusive or skarn-type mineralization within the confines of the south cirque grid area surveyed. In the upper north cirque grids, the magnetics may have assisted in partially delineating the trace of the Albert fault. At the south lake area one could say that the magnetometer coverage, backed by a nearby gravity line, has probably assisted in ruling out one area of previous interest.

Some poor conductors were picked up by the VLF-EM portion of the survey in the south cirque. Their importance is downgraded because of the poor dip-angle response, likely terrain effects, direction of transmitting signal relative to line direction, and little magnetic correlation.

One conductive zone centred at grid co-ordinates 150N;500E may be of interest in that it occurs adjacent to a seismic anomaly interpreted (Cooksley) as an near-surface intrusive and there is some magnetic correlation to the north-northwest. The downside is that it is primarly a quadrature anomaly with partial low-amplitude dip-angle correlation.

The gravity profiles did not appear to enhance the picture to any significant extent. This is to be expected considering the limited coverage, steep terrain, vegetation, and estimated density contrast between the buried intrusive (postulated) and the overlying sediments.

The two seismic traverses in the south cirque were valiantly and capably performed in trying conditions. However, the interpretation by the consultant/contractor of near-surface intrusions is optimistic at best. Although this author is not an authority on seismology, he has some trouble believing that the instrument attained the depth penetration claimed and is, therefore, sceptical of the seismic results. The feeling is that just because there is no indication of bedding, that doesn't necessarily mean one is seeing a different underlying rock unit such as an intrusive or basement. More likely cause would be a lack of reflected signal due to an insufficient energy source.

Geophysically, the area of relative interest remains to be the south wall of the south cirque where some magnetic, electromagnetic, and seismic activity was observed. This area is coincident with the small but highly suspect single-line airborne magnetic "anomaly" (1981) and within the area of a subtle, circular ground reconnaissance magnetometer feature (1984) calculated to have a diameter of about 500 metres and interpreted to be due to a buried intrusive body.

This area is still considered to be the best target for the postulated buried intrusion although it is considered premature to drill on the basis of the work done to date.

Prior to drilling, a detailed grid should be installed within the present south cirque grid bound by co-ordinates line 050N to line 300N from station 300E to 700E. Lines should be spaced 50 metres apart and a station interval of 25 metres should be used. Selected line-cutting will be necessary for sufficient control and access.

These lines should then be surveyed using the same instrumentation as was used on the larger grid, namely the Scintrex I.G.S.-2 Magnetometer/VLF-E.M. unit with base-station recorder. A minimum of two VLF transmitting stations should be recorded (e.g. Seattle and Annapolis).

Respectfully submitted,

P.P. Nielsen

P.P. Nielsen, B.Sc.,
Geophysicist

December 1995.

## APPENDIX

### VLF - ELECTROMAGNETIC DATA ENHANCEMENT

Data Preparation and Processing -

The downloaded VLF data files for Annapolis,Md. were edited and checked to suit subsequent computer applications.

The VLF-EM dip-angle and quadrature components were computed from the vertical in-phase and out-of-phase measurements. The procedure for these calculations is detailed in the operations manual of the I.G.S.-2 instrument published by Scintrex Ltd.

Gridding -

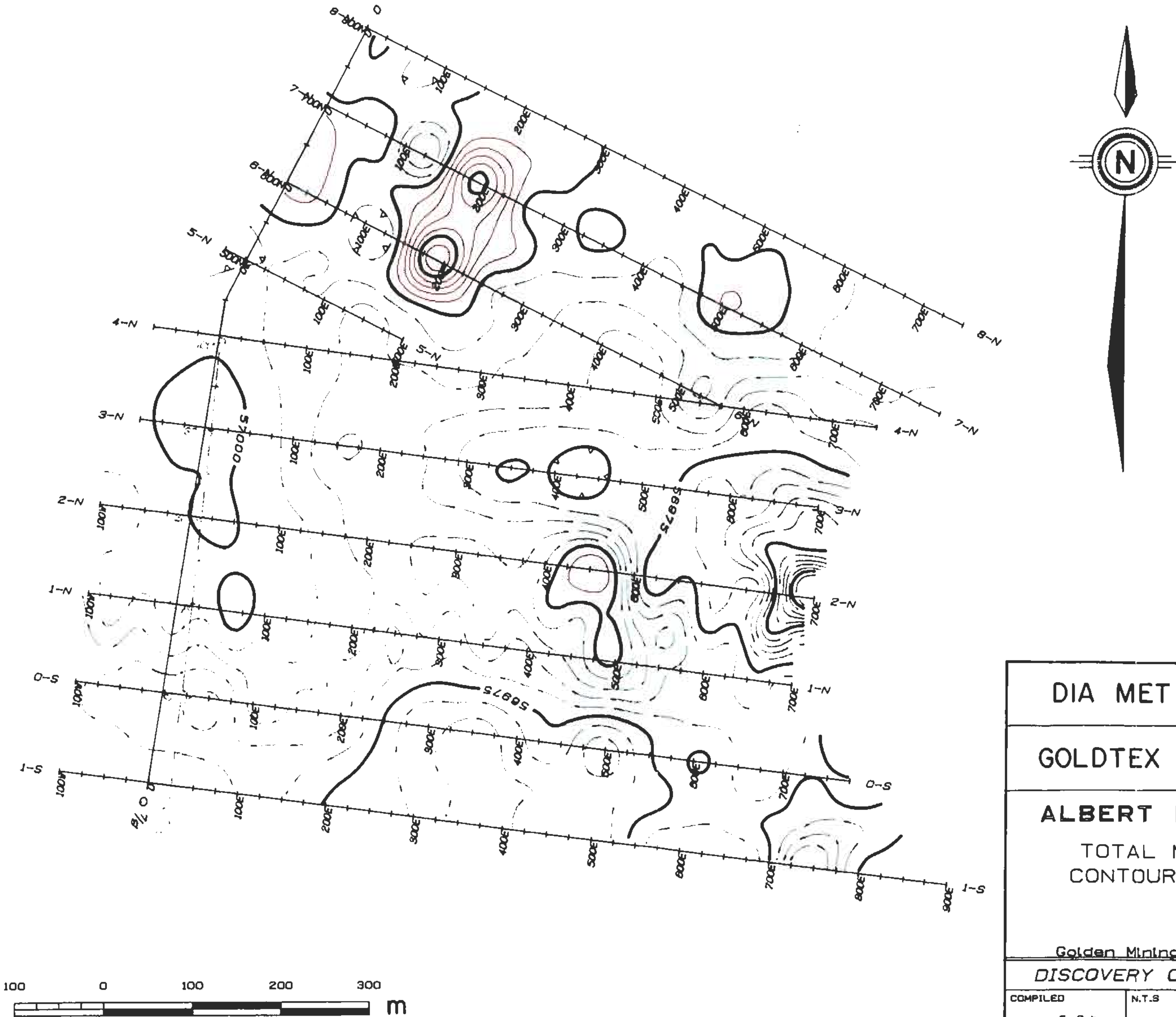
A 12.5 by 12.5 metres grid was superimposed on the survey grid. A standard computer applications program was used to interpolate such a grid matrix for each survey item. The procedure consists of the computation of weighted means using numerical weights calculated from a modified logistic function and using closest surrounding field values.

Analysis -

Each interpolated grid matrix of survey data was spectrally analyzed, two dimensionally, to assess sporadic attributes in the field data and possible other causes such as uncertainty of station location,geological noise, and line-station interval (ie. grid bias). Each grid matrix was then filtered and smoothed using a 37.5 metre (1.5 times station interval) composite operator. All the above filter applications used a digital two-dimensional Fourier transform.

Fraser Filter -

The dip-angles were then Fraser filtered from south to north across the grid lines. The purpose of the Fraser filter is to phase shift cross-overs to relative positive peaks allowing the data to be contoured. The filter also suppresses effects due to topography. The quadrature component was subjected to Hilbert transforms and a band-pass filter and then contoured.




DIA MET MINERALS LTD.

GOLDTEX RESOURCES LTD.

**ALBERT RIVER PROJECT**

TOTAL MAGNETIC FIELD
CONTOUR INTERVAL 5 nT

Golden Mining Division, B.C., Canada

*DISCOVERY CONSULTANTS No. 563*

| COMPILED | N.T.S | DATE | FIG. NO |
|---|---|---|---|
| F. Syberg | 82J/12E | OCT., 1985 | 32 |

## APPENDIX

## STATEMENT OF AUTHOR'S QUALIFICATIONS

I DO HEREBY STATE THAT:

1. I am the author of this report.

2. I carried out the 1995 ground magnetic and electromagnetic surveys discussed in this report.

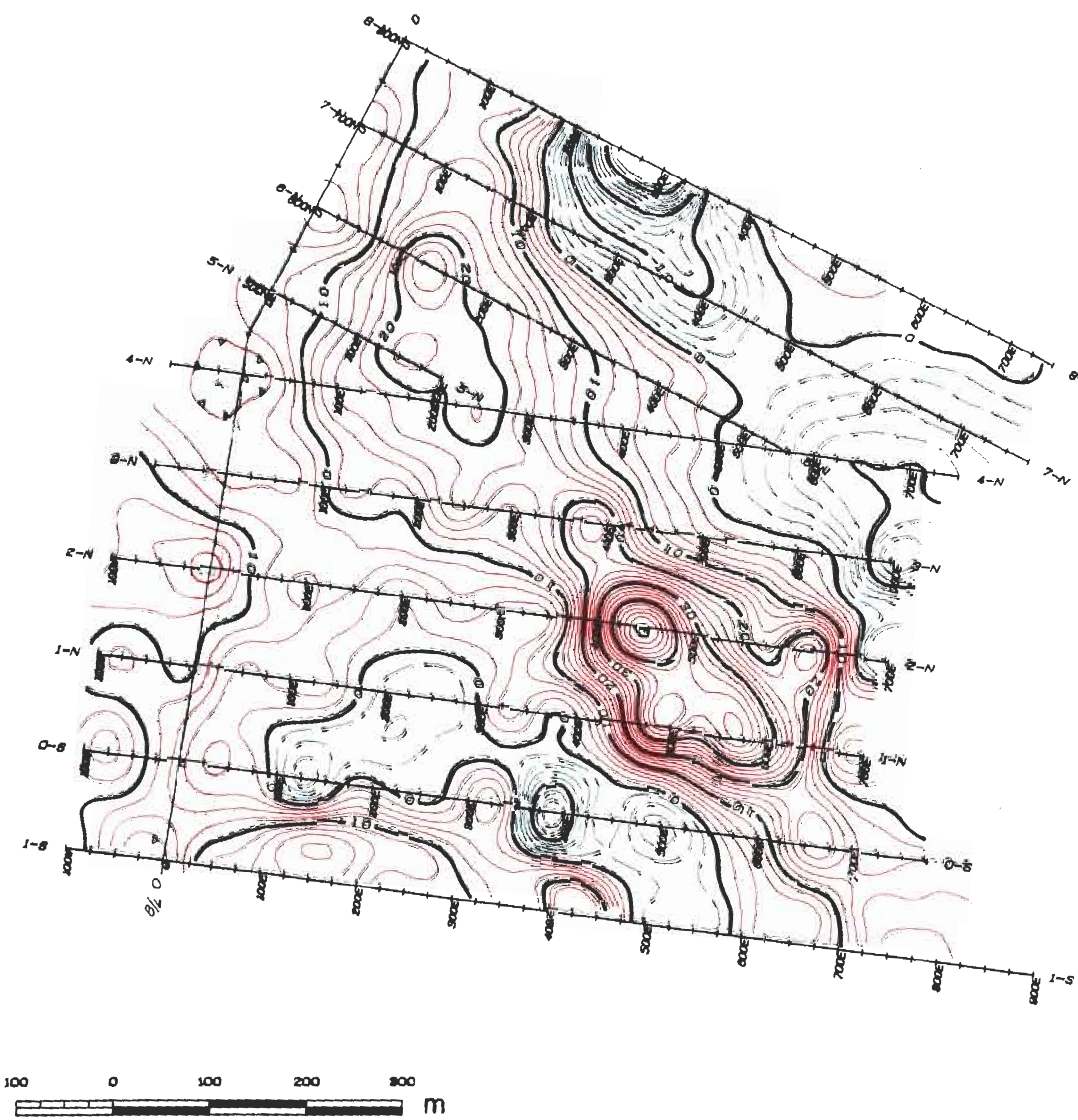
3. I have been actively and responsibly involved in mineral exploration using airborne and ground geophysical methods as well as computer techniques throughout Canada, the northwest United States (including Alaska), Western Australia, and southern Africa for the past thirty years.

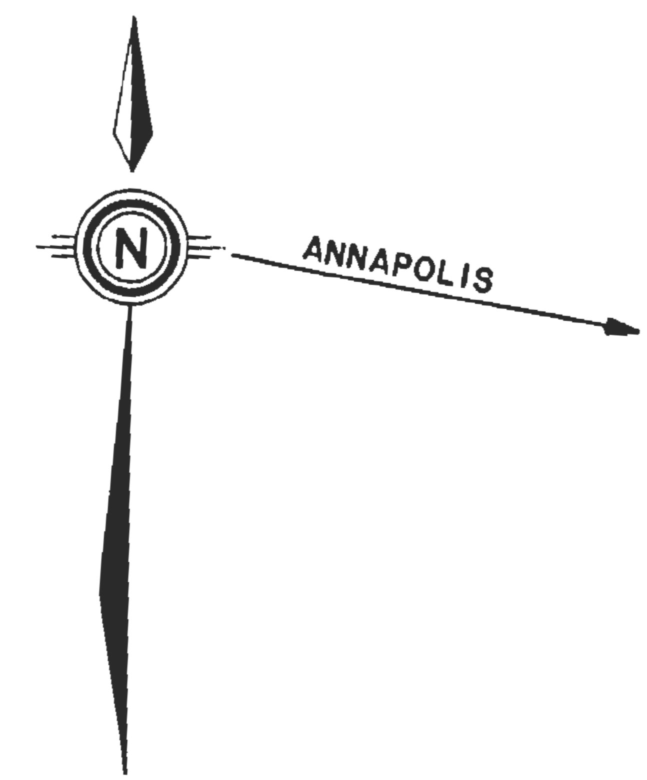
4. I graduated with a B.Sc. degree in Geophysics from the University of British Columbia in 1969.

5. I am a Canadian citizen residing at Vernon, B.C.

Signed : D.P. Nielsen

Date : Feb 5, 1996.




DIA MET MINERALS LTD.

GOLDTEX RESOURCES LTD.

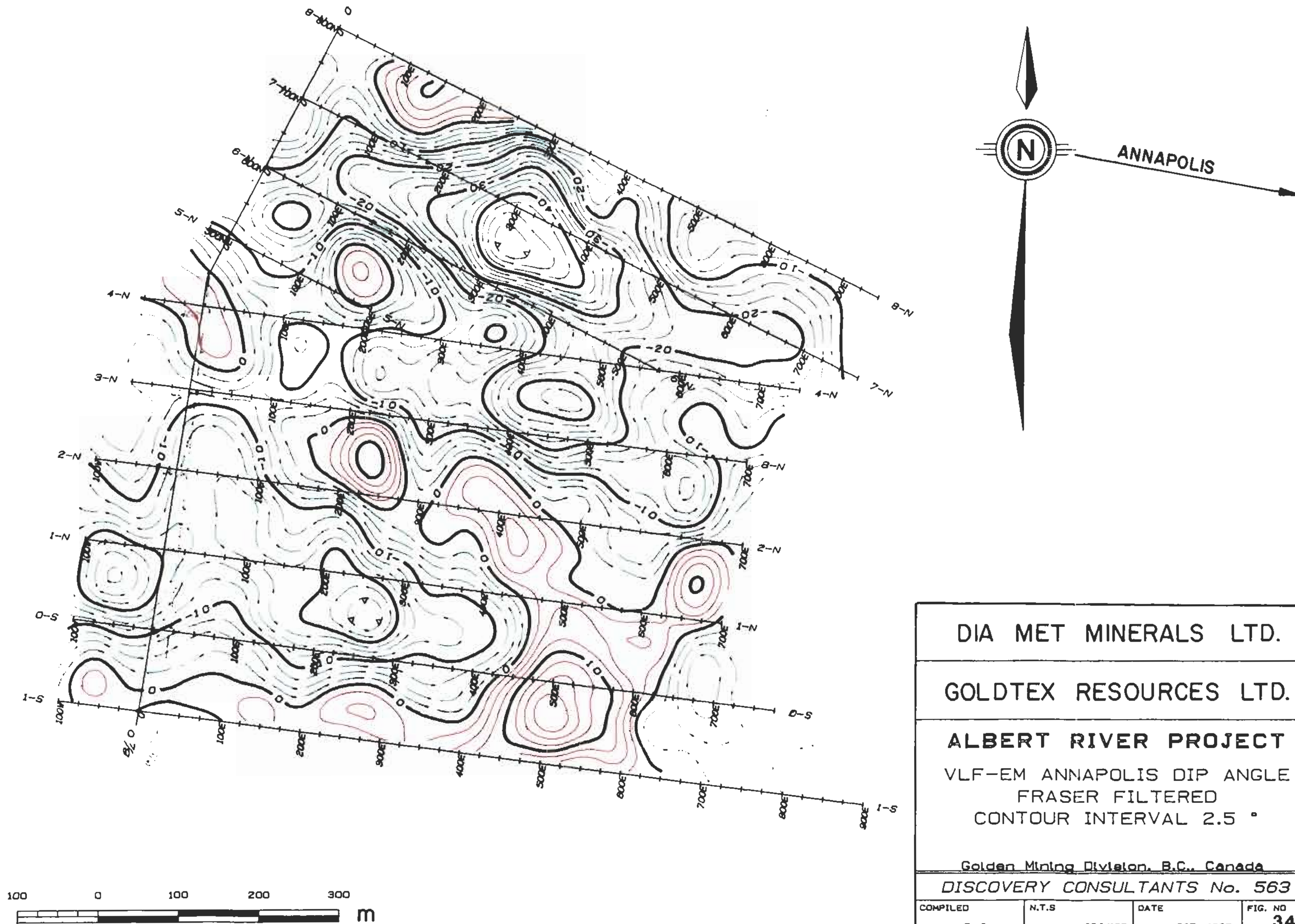
**ALBERT RIVER PROJECT**

VLF-EM ANNAPOLIS QUADRATURE
CONTOUR INTERVAL 2.0 %

Golden Mining Division, B.C., Canada

*DISCOVERY CONSULTANTS No. 563*

| COMPILED | N.T.S | DATE | FIG. NO |
|---|---|---|---|
| F. Syberg | 82J/12E | OCT., 1986 | 33 |




DIA MET MINERALS LTD.

GOLDTEX RESOURCES LTD.

**ALBERT RIVER PROJECT**

VLF-EM ANNAPOLIS DIP ANGLE
FRASER FILTERED
CONTOUR INTERVAL 2.5 °

Golden Mining Division, B.C., Canada

*DISCOVERY CONSULTANTS No. 563*

| COMPILED | N.T.S | DATE | FIG. NO |
|---|---|---|---|
| F. Syberg | 82J/12E | OCT., 1985 | 34 |

# APPENDIX K

MWH
Geo-Surveys
Ltd.

# LOGISTICAL REPORT
# GRAVITY SURVEY at Albert River, B.C.

***for Discovery Consultants***

MWH GEO-SURVEYS LTD.
December 1995

11509 Summit Drive, Vernon, British Columbia, Canada V1B 2B5 • (604) 542-9897 • Fax (604) 545-5899

*INTRODUCTION:*

From September 18 through 21, 1995, MWH Geo-Surveys Ltd. carried out a gravity survey in the Albert River area of southeastern B.C. at the request of Discovery Consultants. A total of 67 gravity stations were surveyed on three lines. All station locations were surveyed using a total station theodolite. The area of the survey consists of rugged mountain terrain.

*PROJECT SCHEDULE:*

The following is the project timeline.

| | |
|---|---|
| Mobilization of survey crew (2 men) | Sept. 18 |
| Survey production | Sept. 19 - 21 |
| Demobilization of gravity crew (2 men) | Sept. 21 |

A total of 67 unique gravity stations were surveyed during the 3 days of survey production.

*FIELD OPERATIONS:*

**Survey Personnel:**
The personnel involved on this project were:

| | |
|---|---|
| Kevin MacNabb | Party Manager / Surveyor |
| Rob Patrick | Gravity Operator/ Survey Assistant |

**Instrumentation:**
Lacoste & Romberg gravity meter #345 was utilized for the gravity measurements.

In addition to the gravity instrumentation, the following survey, computer, radio and transportation equipment was used over the course of the project.

*Survey equipment:*
1 Sokkisha SET2 total station
1 Trimble Scoutmaster GPS navigator

*Computers:*
2 MS-DOS computers

*Communication equipment:*
2 Motorola HT1000 hand-held radios

*Transportation:*
1 four wheel drive truck

**Field Procedures, Gravity:**
All gravity readings were taken within closed loops to allow for correction of instrument drift. All loops were tied to a temporary gravity bases at the Radium helipad. This base was assigned a value of 980000.00 milligals.

The gravity meter's sensitivity was set prior to the commencement of the survey and checked regularly as the survey progressed. All gravity readings were taken to the 1/100th of a milligal.

Inner terrain corrections were taken by the meter operator at each gravity station. Terrain corrections consisted of 16 distinct topographic determinations in Hammer zones B, C and D using an inclinometer. The outer radius of zone D is 170 metres.

**Field Procedures, Positional Surveying:**
The instrument used for the positional surveying was a Sokkisha SET2 total station theodolite with angle resolution to 1 second. Horizontal and vertical traverses were returned to their origins to provide a closure.

Vertical angles were doubled on all turning points. Vertical differences were calculated for each angle and the mean difference used in vertical calculations. The vertical traverses were started from and closed to a position established on each line by a Trimble Scoutmaster code GPS receiver. All EDM distances were corrected for earth curvature and refraction of light.

Horizontal coordinates were calculated as UTM values on the NAD83 datum. The horizontal traverses also began at the GPS positions.

Azimuth was determined by solar observations. Sunshot procedure consisted of multiple sun observations on each instrument face. The subsequent calculations produced a mean true azimuth. Grid convergence was then applied to yield a mean grid azimuth.

Final reduced positions are in the data listing as Northing, Easting, Latitude, Longitude and Elevation.

*GRAVITY DATA REDUCTION:*

The gravity readings were converted to milligals using the appropriate meter variables and corrected for: the meter tripod height, earth tides, drift between base ties and adjusted to base value. The earth tide corrections are calculated using a GSC program that determines tidal effect at ten minute intervals. The results from these calculations are listed as Observed Gravity.

The Observed Gravity values were then corrected to Bouguer Gravity using the following formula:

$$Gb = Gobs + tc - Gl + (.30845*h) - (.04186*h)*d$$

where:
Gb = Bouguer Gravity
Gobs = Observed Gravity
Gl = Latitude Correction
tc = Terrain correction
h = station elevation
d = density

The latitude correction was calculated as :

$$gl = g_o(1 + \alpha \sin\phi^2 + \beta \sin\phi^4)$$

where:
$\phi$ = latitude
$g_o$ = 978031.846
$\alpha$ = .005278895
$\beta$ = .000023462

Bouguer gravity data was plotted using densities of 2.4, 2.5 and 2.67 gm/cc.

A complete data listings is included as Appendix I.

*SUMMARY:*

---

The gravity measurements and the positional survey coordinates are of high accuracy and have yielded a reliable data set. However in any interpretation of this data the high terrain effect must be considered and it may be necessary to compute terrain corrections beyond those determined by the meter operator.

## *Appendix I*

## *Bouguer Gravity Data Listings*

# *Gravity Survey at Albert River, B.C.*

by: **MWH Geo-Surveys Ltd.**
for: **Goldtex**

| | | | |
|---|---|---|---|
| Boug density #1: | 2.40 | UTM Zone: | 11 |
| Boug density #2: | 2.50 | NAD: | 1983 |
| Boug density #3: | 2.67 | | |

| | | | | | | | | | | | Latitude N | | | Longitude W | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Line** | **Station** | **Date** | **Time** | **Reading** | **Terr** | **G Observed** | **Lat Corr** | **Northing** | **Easting** | **Elevtn** | **Deg** | **Min** | **Sec** | **Deg** | **Min** | **Sec** | **BG@D#1** | **BG@D#2** | **BG@D#3** |
| 5 N | 101 | 95262 | 11.16 | 4021.56 | 1.66 | 979,745.02 | 981125.80 | 5609911.2 | 598905.5 | 2348.80 | 50 | 37 | 57.620 | 115 | 36 | 5.274 | -890.39 | -900.14 | -916.73 |
| 5 N | 102 | 95262 | 11.37 | 4030.28 | 1.76 | 979,754.21 | 981125.79 | 5609894.3 | 598959.6 | 2304.19 | 50 | 37 | 57.038 | 115 | 36 | 2.540 | -890.34 | -899.91 | -916.16 |
| 5 N | 103 | 95262 | 11.56 | 4037.13 | 1.85 | 979,761.37 | 981125.79 | 5609896.6 | 599001.3 | 2269.24 | 50 | 37 | 57.089 | 115 | 36 | 0.414 | -890.34 | -899.75 | -915.75 |
| 5 N | 104 | 95262 | 12.14 | 4043.45 | 1.83 | 979,768.04 | 981125.78 | 5609884.5 | 599047.4 | 2236.74 | 50 | 37 | 56.667 | 115 | 35 | 58.081 | -890.44 | -899.71 | -915.48 |
| 5 N | 105 | 95262 | 12.30 | 4048.28 | 1.62 | 979,773.10 | 981125.77 | 5609869.5 | 599081.5 | 2211.27 | 50 | 37 | 56.163 | 115 | 35 | 56.361 | -890.91 | -900.09 | -915.70 |
| 5 N | 106 | 95262 | 12.45 | 4054.24 | 1.65 | 979,779.37 | 981125.75 | 5609844.4 | 599121.2 | 2179.48 | 50 | 37 | 55.326 | 115 | 35 | 54.364 | -891.20 | -900.24 | -915.62 |
| 5 N | 107 | 95262 | 13.07 | 4060.83 | 1.59 | 979,786.27 | 981125.72 | 5609806.7 | 599164.5 | 2143.10 | 50 | 37 | 54.080 | 115 | 35 | 52.197 | -891.90 | -900.80 | -915.92 |
| 5 N | 108 | 95262 | 13.23 | 4066.50 | 1.60 | 979,792.23 | 981125.70 | 5609786.5 | 599208.4 | 2110.67 | 50 | 37 | 53.397 | 115 | 35 | 49.983 | -892.66 | -901.42 | -916.31 |
| 5 N | 109 | 95262 | 13.49 | 4073.62 | 1.40 | 979,799.72 | 981125.68 | 5609764.2 | 599265.5 | 2069.21 | 50 | 37 | 52.643 | 115 | 35 | 47.098 | -894.02 | -902.61 | -917.22 |
| 5 N | 110 | 95262 | 14.07 | 4077.95 | 1.70 | 979,804.27 | 981125.69 | 5609775.2 | 599310.8 | 2044.58 | 50 | 37 | 52.970 | 115 | 35 | 44.781 | -894.23 | -902.71 | -917.12 |
| 5 N | 111 | 95262 | 14.34 | 4085.22 | 1.07 | 979,811.89 | 981125.67 | 5609754.7 | 599365.9 | 2000.26 | 50 | 37 | 52.272 | 115 | 35 | 42.001 | -896.56 | -904.89 | -919.04 |
| 5 N | 112 | 95262 | 14.48 | 4090.10 | 0.82 | 979,817.07 | 981125.67 | 5609748.1 | 599414.6 | 1970.68 | 50 | 37 | 52.028 | 115 | 35 | 39.526 | -897.84 | -906.05 | -920.01 |
| 5 N | 113 | 95262 | 15.00 | 4093.63 | 0.76 | 979,820.74 | 981125.66 | 5609741.9 | 599464.3 | 1952.45 | 50 | 37 | 51.798 | 115 | 35 | 37.003 | -898.02 | -906.16 | -919.99 |
| 5 N | 114 | 95262 | 15.13 | 4096.92 | 0.55 | 979,824.20 | 981125.65 | 5609736.2 | 599516.1 | 1935.36 | 50 | 37 | 51.580 | 115 | 35 | 34.373 | -898.36 | -906.43 | -920.17 |
| 5 N | 115 | 95262 | 15.27 | 4100.67 | 0.72 | 979,828.11 | 981125.66 | 5609738.1 | 599565.2 | 1914.05 | 50 | 37 | 51.613 | 115 | 35 | 31.872 | -898.68 | -906.66 | -920.22 |
| 5 N | 116 | 95262 | 15.38 | 4101.92 | 0.75 | 979,829.46 | 981125.64 | 5609723.4 | 599613.9 | 1908.85 | 50 | 37 | 51.106 | 115 | 35 | 29.410 | -898.36 | -906.32 | -919.84 |
| 5 N | 117 | 95262 | 15.47 | 4102.09 | 0.62 | 979,829.66 | 981125.64 | 5609717.3 | 599661.9 | 1910.80 | 50 | 37 | 50.878 | 115 | 35 | 26.974 | -897.90 | -905.87 | -919.43 |
| 5 N | 118 | 95262 | 15.59 | 4102.65 | 0.63 | 979,830.24 | 981125.62 | 5609698.3 | 599711.5 | 1908.83 | 50 | 37 | 50.235 | 115 | 35 | 24.469 | -897.71 | -905.67 | -919.21 |
| 5 N | 119 | 95262 | 16.07 | 4104.30 | 0.78 | 979,831.98 | 981125.61 | 5609687.5 | 599752.3 | 1899.75 | 50 | 37 | 49.859 | 115 | 35 | 22.403 | -897.67 | -905.59 | -919.04 |
| 5 N | 120 | 95262 | 16.19 | 4105.78 | 0.78 | 979,833.54 | 981125.63 | 5609711.1 | 599804.4 | 1893.63 | 50 | 37 | 50.591 | 115 | 35 | 19.726 | -897.40 | -905.29 | -918.71 |
| 31 N | 101 | 95263 | 10.49 | 4001.64 | 2.03 | 979,724.09 | 981127.11 | 5611536.3 | 598235.5 | 2245.92 | 50 | 38 | 50.626 | 115 | 36 | 37.822 | -933.58 | -942.88 | -958.70 |
| 31 N | 102 | 95263 | 10.36 | 4009.49 | 1.98 | 979,732.32 | 981127.13 | 5611561.3 | 598286.1 | 2210.40 | 50 | 38 | 51.403 | 115 | 36 | 35.221 | -932.81 | -941.96 | -957.53 |
| 31 N | 103 | 95263 | 10.23 | 4014.88 | 1.73 | 979,738.05 | 981127.14 | 5611577.0 | 598325.8 | 2185.17 | 50 | 38 | 51.887 | 115 | 36 | 33.188 | -932.63 | -941.70 | -957.11 |
| 31 N | 104 | 95263 | 10.08 | 4022.12 | 1.44 | 979,745.65 | 981127.17 | 5611614.2 | 598369.9 | 2150.80 | 50 | 38 | 53.062 | 115 | 36 | 30.903 | -932.56 | -941.50 | -956.69 |
| 31 N | 105 | 95263 | 9.51 | 4027.08 | 1.32 | 979,750.86 | 981127.20 | 5611645.5 | 598408.8 | 2125.15 | 50 | 38 | 54.054 | 115 | 36 | 28.897 | -932.86 | -941.69 | -956.71 |
| 31 N | 106 | 95263 | 9.38 | 4030.01 | 0.80 | 979,753.95 | 981127.22 | 5611671.1 | 598440.0 | 2110.09 | 50 | 38 | 54.862 | 115 | 36 | 27.281 | -933.54 | -942.34 | -957.29 |
| 31 N | 107 | 95263 | 9.25 | 4032.51 | 0.63 | 979,756.56 | 981127.24 | 5611701.6 | 598478.5 | 2100.00 | 50 | 38 | 55.827 | 115 | 36 | 25.292 | -933.25 | -942.01 | -956.91 |
| 31 N | 108 | 95263 | 11.15 | 4039.57 | 1.29 | 979,764.00 | 981127.28 | 5611757.1 | 598523.1 | 2066.60 | 50 | 38 | 57.595 | 115 | 36 | 22.971 | -932.01 | -940.60 | -955.21 |
| 31 N | 109 | 95263 | 11.29 | 4041.90 | 1.22 | 979,766.44 | 981127.30 | 5611779.3 | 598555.3 | 2055.79 | 50 | 38 | 58.294 | 115 | 36 | 21.309 | -931.92 | -940.47 | -955.00 |
| 31 N | 110 | 95263 | 12.05 | 4045.90 | 1.24 | 979,770.63 | 981127.32 | 5611810.1 | 598587.8 | 2032.13 | 50 | 38 | 59.271 | 115 | 36 | 19.625 | -932.65 | -941.09 | -955.46 |
| 31 N | 111 | 95263 | 12.23 | 4051.51 | 1.43 | 979,776.55 | 981127.35 | 5611844.3 | 598623.7 | 2000.50 | 50 | 39 | 0.358 | 115 | 36 | 17.765 | -933.11 | -941.41 | -955.53 |
| 31 N | 112 | 95263 | 12.37 | 4056.74 | 1.57 | 979,782.02 | 981127.36 | 5611860.9 | 598666.6 | 1973.72 | 50 | 39 | 0.867 | 115 | 36 | 15.564 | -933.05 | -941.24 | -955.16 |
| 31 N | 113 | 95263 | 12.56 | 4062.78 | 1.51 | 979,788.31 | 981127.38 | 5611884.8 | 598711.7 | 1941.69 | 50 | 39 | 1.615 | 115 | 36 | 13.245 | -933.50 | -941.56 | -955.26 |
| 31 N | 114 | 95263 | 13.11 | 4067.80 | 1.26 | 979,793.68 | 981127.39 | 5611897.3 | 598758.9 | 1915.53 | 50 | 39 | 1.991 | 115 | 36 | 10.834 | -933.89 | -941.85 | -955.38 |
| 31 N | 115 | 95263 | 13.23 | 4072.51 | 0.91 | 979,798.59 | 981127.41 | 5611921.8 | 598806.2 | 1892.35 | 50 | 39 | 2.753 | 115 | 36 | 8.400 | -934.23 | -942.11 | -955.51 |
| 31 N | 116 | 95263 | 13.34 | 4076.77 | 0.75 | 979,803.01 | 981127.42 | 5611937.0 | 598861.9 | 1870.65 | 50 | 39 | 3.210 | 115 | 36 | 5.549 | -934.54 | -942.33 | -955.59 |
| 31 N | 117 | 95263 | 13.54 | 4080.93 | 0.84 | 979,807.45 | 981127.43 | 5611946.8 | 598908.8 | 1846.78 | 50 | 39 | 3.499 | 115 | 36 | 3.151 | -934.95 | -942.65 | -955.72 |
| 31 N | 118 | 95263 | 14.25 | 4087.16 | 1.11 | 979,813.96 | 981127.45 | 5611970.5 | 598964.3 | 1813.51 | 50 | 39 | 4.232 | 115 | 36 | 0.302 | -935.06 | -942.60 | -955.41 |
| 31 N | 119 | 95263 | 14.53 | 4095.43 | 0.67 | 979,822.69 | 981127.51 | 5612052.3 | 598998.3 | 1770.80 | 50 | 39 | 6.858 | 115 | 35 | 58.494 | -935.80 | -943.18 | -955.73 |
| 31 N | 120 | 95263 | 15.11 | 4102.98 | 0.22 | 979,830.62 | 981127.56 | 5612108.2 | 599070.7 | 1731.18 | 50 | 39 | 8.624 | 115 | 35 | 54.753 | -936.70 | -943.94 | -956.24 |
| 31 N | 121 | 95263 | 15.21 | 4104.63 | 0.12 | 979,832.35 | 981127.57 | 5612130.2 | 599123.5 | 1727.46 | 50 | 39 | 9.306 | 115 | 35 | 52.048 | -935.88 | -943.10 | -955.39 |
| 31 N | 122 | 95263 | 15.33 | 4106.09 | 0.02 | 979,833.90 | 981127.60 | 5612165.2 | 599162.2 | 1724.22 | 50 | 39 | 10.412 | 115 | 35 | 50.044 | -935.15 | -942.37 | -954.64 |
| 31 N | 123 | 95263 | 15.41 | 4106.15 | 0.02 | 979,833.95 | 981127.62 | 5612189.9 | 599202.2 | 1727.62 | 50 | 39 | 11.187 | 115 | 35 | 47.984 | -934.41 | -941.65 | -953.94 |
| 31 N | 124 | 95263 | 15.51 | 4106.47 | 0.05 | 979,834.27 | 981127.64 | 5612213.6 | 599241.7 | 1728.24 | 50 | 39 | 11.930 | 115 | 35 | 45.950 | -933.94 | -941.18 | -953.48 |
| 31 N | 125 | 95263 | 16.00 | 4107.88 | 0.12 | 979,835.72 | 981127.65 | 5612229.6 | 599289.1 | 1720.28 | 50 | 39 | 12.420 | 115 | 35 | 43.521 | -934.07 | -941.27 | -953.51 |
| 31 N | 126 | 95263 | 16.09 | 4107.93 | 0.22 | 979,835.79 | 981127.68 | 5612264.9 | 599335.3 | 1720.45 | 50 | 39 | 13.536 | 115 | 35 | 41.133 | -933.88 | -941.07 | -953.30 |
| South Lake | 101 | 95264 | 9.38 | 4048.99 | 1.64 | 979,773.85 | 981122.63 | 5605956.2 | 599672.5 | 2097.76 | 50 | 35 | 49.140 | 115 | 35 | 30.070 | -910.61 | -919.32 | -934.11 |
| South Lake | 102 | 95264 | 9.53 | 4053.81 | 1.61 | 979,778.92 | 981122.66 | 5605990.1 | 599652.8 | 2075.58 | 50 | 35 | 50.250 | 115 | 35 | 31.040 | -910.22 | -918.83 | -933.47 |
| South Lake | 103 | 95264 | 10.09 | 4060.04 | 1.28 | 979,785.46 | 981122.70 | 5606036.4 | 599625.1 | 2046.18 | 50 | 35 | 51.770 | 115 | 35 | 32.400 | -910.22 | -918.72 | -933.18 |
| South Lake | 104 | 95264 | 10.24 | 4065.16 | 1.11 | 979,790.84 | 981122.73 | 5606075.7 | 599602.5 | 2020.65 | 50 | 35 | 53.050 | 115 | 35 | 33.510 | -910.38 | -918.79 | -933.08 |
| South Lake | 105 | 95264 | 10.39 | 4070.60 | 0.90 | 979,796.56 | 981122.78 | 5606136.6 | 599582.6 | 1992.83 | 50 | 35 | 55.040 | 115 | 35 | 34.470 | -910.75 | -919.05 | -933.16 |
| South Lake | 106 | 95264 | 10.52 | 4074.88 | 0.67 | 979,801.09 | 981122.83 | 5606199.2 | 599558.2 | 1972.59 | 50 | 35 | 57.080 | 115 | 35 | 35.650 | -910.76 | -918.99 | -932.98 |
| South Lake | 107 | 95264 | 11.04 | 4077.69 | 0.59 | 979,804.03 | 981122.87 | 5606250.8 | 599536.5 | 1958.92 | 50 | 35 | 58.760 | 115 | 35 | 36.700 | -910.80 | -918.97 | -932.87 |
| South Lake | 108 | 95264 | 11.26 | 4079.16 | 0.46 | 979,805.63 | 981122.90 | 5606285.6 | 599524.5 | 1951.22 | 50 | 35 | 59.900 | 115 | 35 | 37.280 | -910.99 | -919.14 | -932.99 |

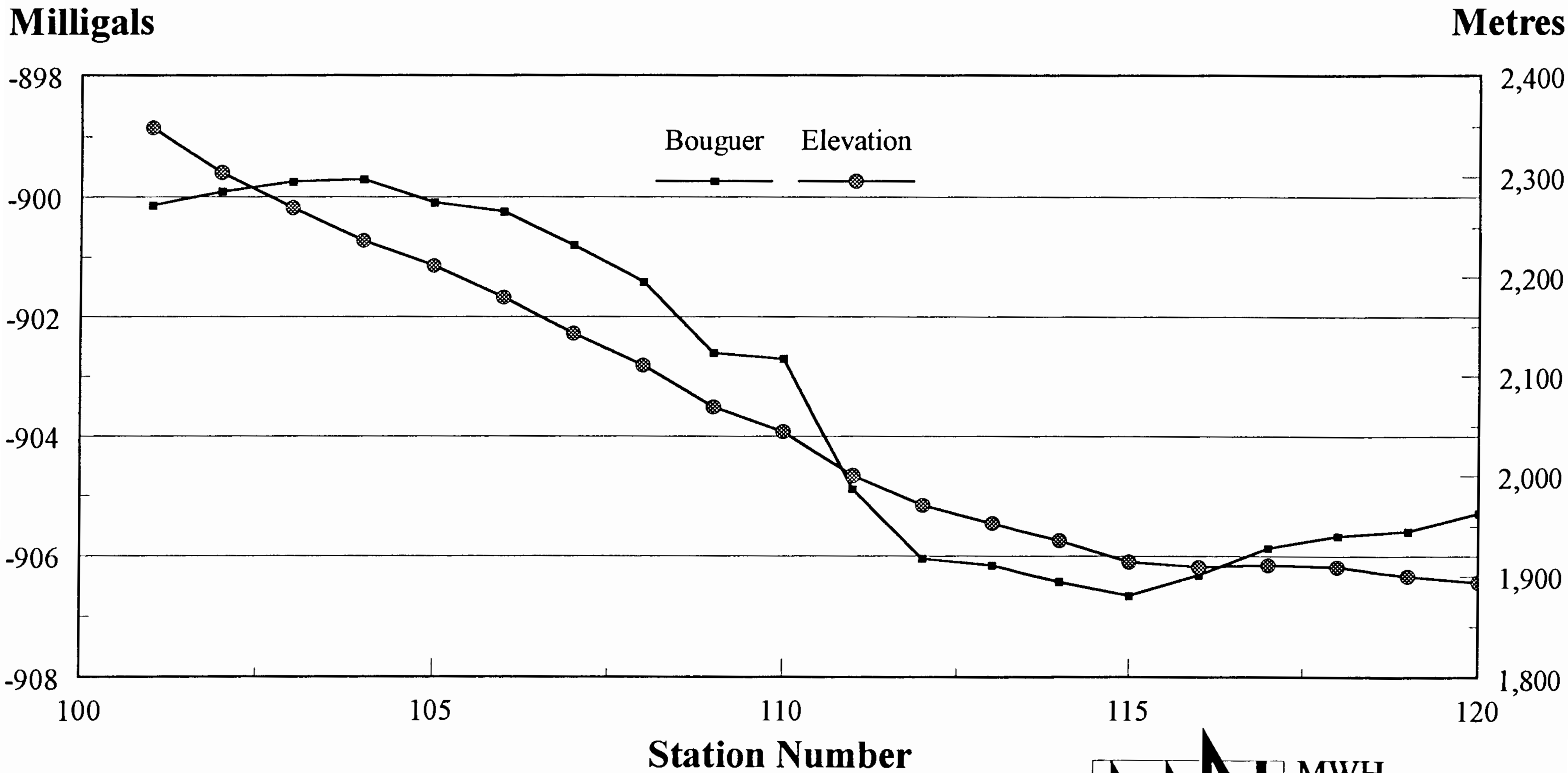
| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| South Lake | 109 | 95264 | 11.36 | 4079.90 | 0.45 | 979,806.35 | 981122.93 | 5606323.0 | 599510.0 | 1950.05 | 50 | 36 | 1.110 | 115 | 35 | 37.980 | -910.55 | -918.70 | -932.54 |
| South Lake | 110 | 95264 | 11.42 | 4080.26 | 0.17 | 979,806.71 | 981122.96 | 5606365.5 | 599495.8 | 1950.12 | 50 | 36 | 2.500 | 115 | 35 | 38.660 | -910.54 | -918.70 | -932.57 |
| South Lake | 111 | 95264 | 11.49 | 4080.63 | 0.04 | 979,807.11 | 981123.00 | 5606416.2 | 599484.9 | 1950.00 | 50 | 36 | 4.140 | 115 | 35 | 39.160 | -910.36 | -918.53 | -932.41 |
| South Lake | 112 | 95264 | 11.58 | 4081.05 | 0.03 | 979,807.57 | 981123.03 | 5606456.1 | 599467.8 | 1948.51 | 50 | 36 | 5.440 | 115 | 35 | 40.000 | -910.26 | -918.42 | -932.29 |
| South Lake | 113 | 95264 | 12.05 | 4081.00 | 0.00 | 979,807.53 | 981123.08 | 5606507.6 | 599446.7 | 1949.29 | 50 | 36 | 7.120 | 115 | 35 | 41.020 | -910.21 | -918.37 | -932.25 |
| South Lake | 114 | 95264 | 12.11 | 4081.16 | 0.00 | 979,807.68 | 981123.11 | 5606554.7 | 599424.2 | 1949.11 | 50 | 36 | 8.660 | 115 | 35 | 42.120 | -910.14 | -918.30 | -932.18 |
| South Lake | 115 | 95264 | 12.18 | 4081.07 | 0.01 | 979,807.59 | 981123.15 | 5606600.5 | 599408.0 | 1951.16 | 50 | 36 | 10.160 | 115 | 35 | 42.900 | -909.83 | -918.00 | -931.89 |
| South Lake | 116 | 95264 | 12.27 | 4080.77 | 0.05 | 979,807.29 | 981123.19 | 5606645.3 | 599393.7 | 1953.85 | 50 | 36 | 11.620 | 115 | 35 | 43.580 | -909.56 | -917.74 | -931.65 |
| South Lake | 117 | 95264 | 12.38 | 4080.41 | 0.11 | 979,806.90 | 981123.22 | 5606688.0 | 599377.5 | 1956.67 | 50 | 36 | 13.010 | 115 | 35 | 44.370 | -909.33 | -917.52 | -931.44 |
| South Lake | 118 | 95264 | 12.48 | 4079.16 | 0.16 | 979,805.58 | 981123.26 | 5606738.6 | 599361.3 | 1963.34 | 50 | 36 | 14.660 | 115 | 35 | 45.140 | -909.24 | -917.45 | -931.41 |
| South Lake | 119 | 95264 | 12.59 | 4076.62 | 0.35 | 979,802.91 | 981123.30 | 5606784.4 | 599334.2 | 1976.95 | 50 | 36 | 16.160 | 115 | 35 | 46.480 | -908.88 | -917.15 | -931.19 |
| South Lake | 120 | 95264 | 13.11 | 4073.42 | 0.42 | 979,799.50 | 981123.34 | 5606832.8 | 599312.9 | 1994.80 | 50 | 36 | 17.740 | 115 | 35 | 47.510 | -908.54 | -916.87 | -931.04 |
| South Lake | 121 | 95264 | 13.22 | 4071.31 | 0.50 | 979,797.31 | 981123.38 | 5606884.3 | 599301.4 | 2005.71 | 50 | 36 | 19.410 | 115 | 35 | 48.040 | -908.40 | -916.78 | -931.01 |

## *Appendix II*

## *Bouguer Profiles & Plan map*

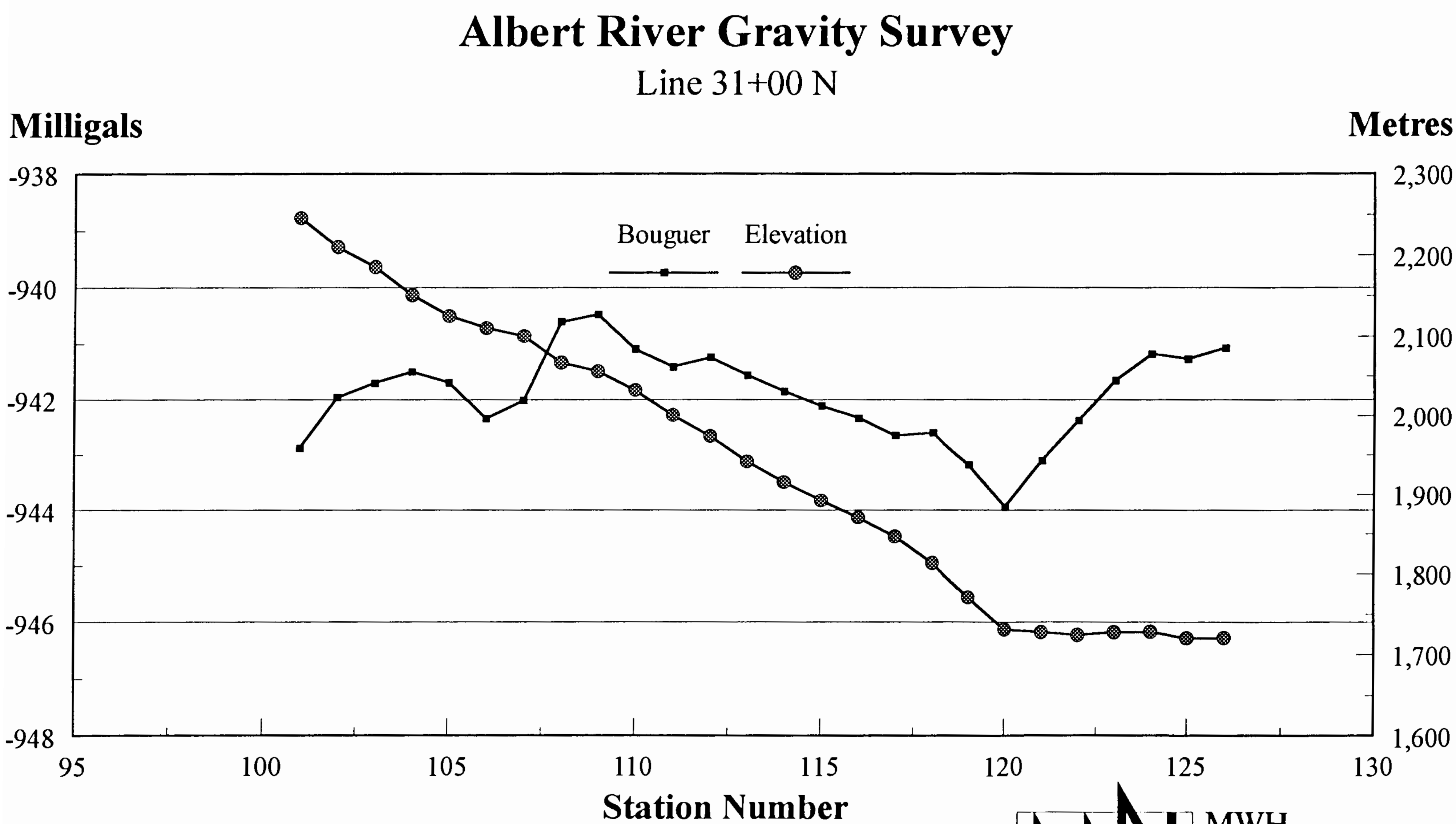
# Albert River Gravity Survey

Line 5+00 N



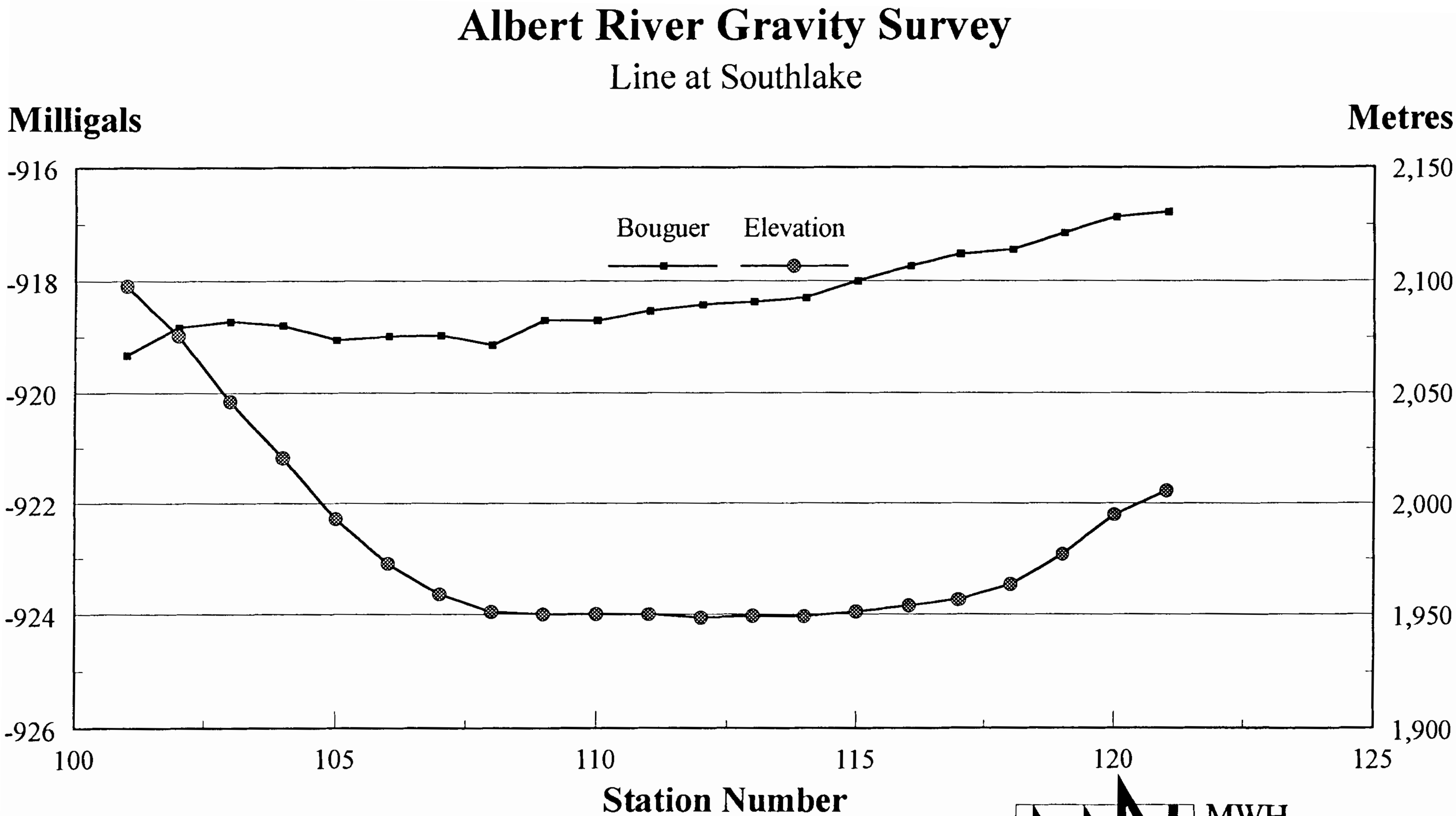

Surveyed by MWH Geo-Surveys Ltd.
Bouguer Density: 2.5 gm/cc

MWH
Geo-Surveys
Ltd.



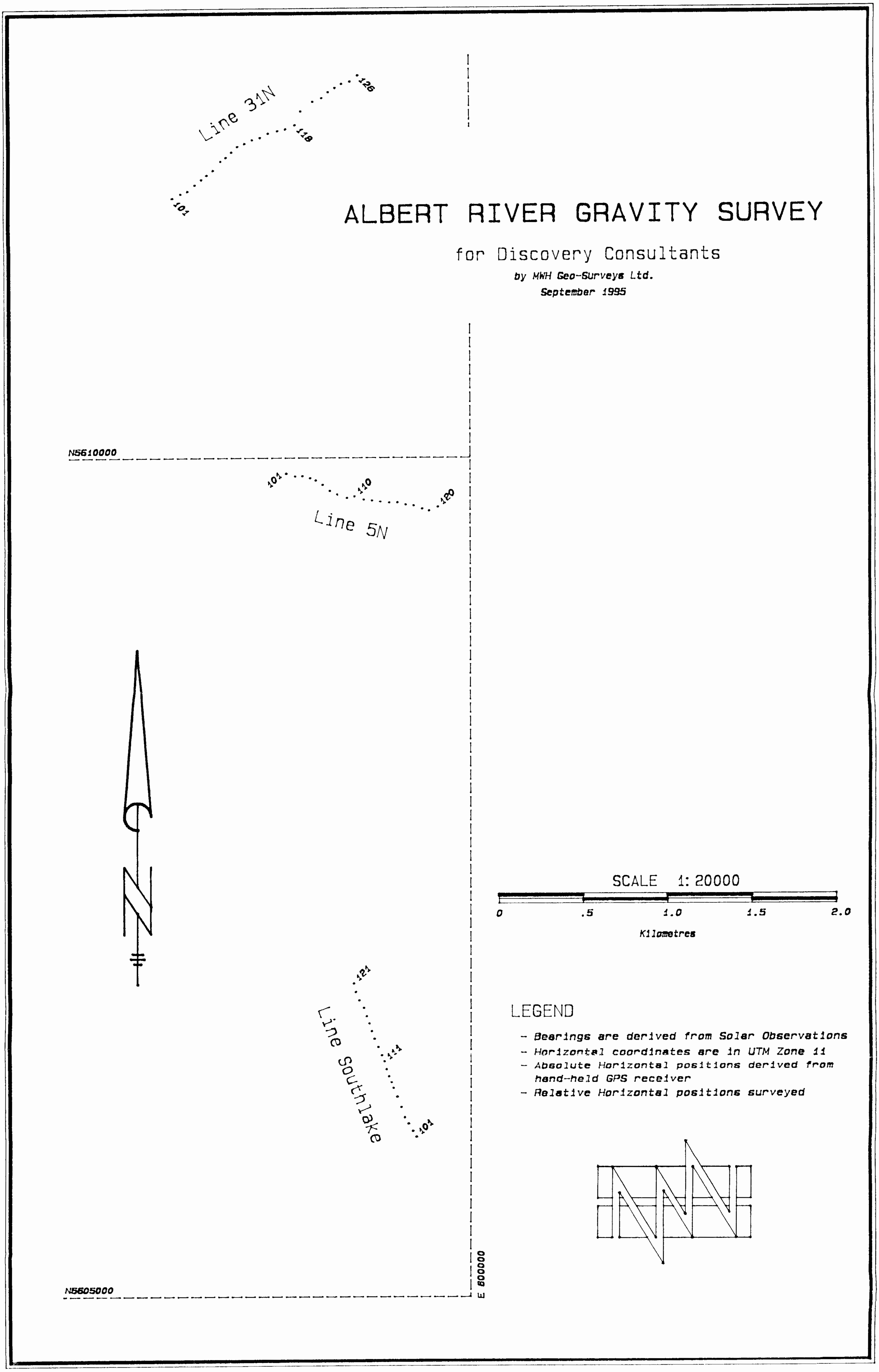

Surveyed by MWH Geo-Surveys Ltd.
Bouguer Density: 2.5 gm/cc

MWH Geo-Surveys Ltd.




Surveyed by MWH Geo-Surveys Ltd.
Bouguer Density: 2.5 gm/cc

MWH
Geo-Surveys
Ltd.


ALBERT RIVER GRAVITY SURVEY
for Discovery Consultants
by MWH Geo-Surveys Ltd.
September 1995
Line 31N
101
118
126
N5610000
Line 5N
101
110
120
Line Southlake
101
111
121
N5605000
E 800000
SCALE 1: 20000
0
.5
1.0
1.5
2.0
Kilometres
LEGEND
- Bearings are derived from Solar Observations
- Horizontal coordinates are in UTM Zone 11
- Absolute Horizontal positions derived from hand-held GPS receiver
- Relative Horizontal positions surveyed

# APPENDIX L

# *Specific Gravity*

(1) Weigh a clean, dry 200 ml volumetric flask and record weight. (flask weight).

(2) Add 50 gm pulverized sample, add deionized $H_2O$ and mix, ensuring that there are no air bubbles trapped in flask.

(3) Bulk to 200 ml line with DI $H_2O$ and again weigh flask. (total weight)

***Calculations:***

Specific Gravity is defined as the ratio of the mass of a solid or liquid, to the mass of an equal volume of deionized water at 4 degrees C.

or:

$$\text{Specific Gravity} = \frac{\text{sample weight}}{\text{weight of volume of } H_2O \text{ displaced}}$$

Weight of volume of $H_2O$ displaced = a - (b - c - d)

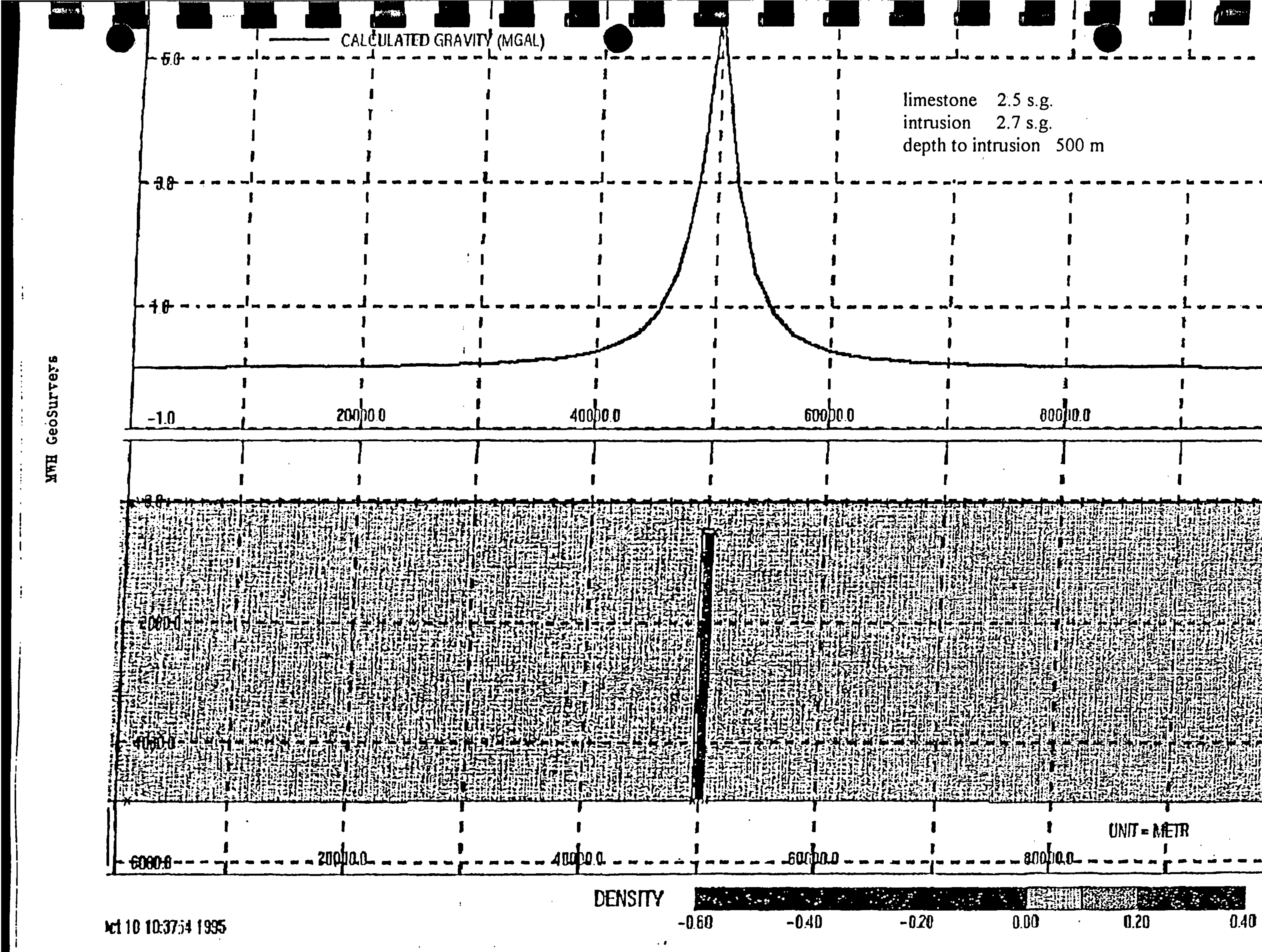
where:

a = flask volume (200 ml)
b = total weight
c = flask weight
d = sample weight (50 gm)

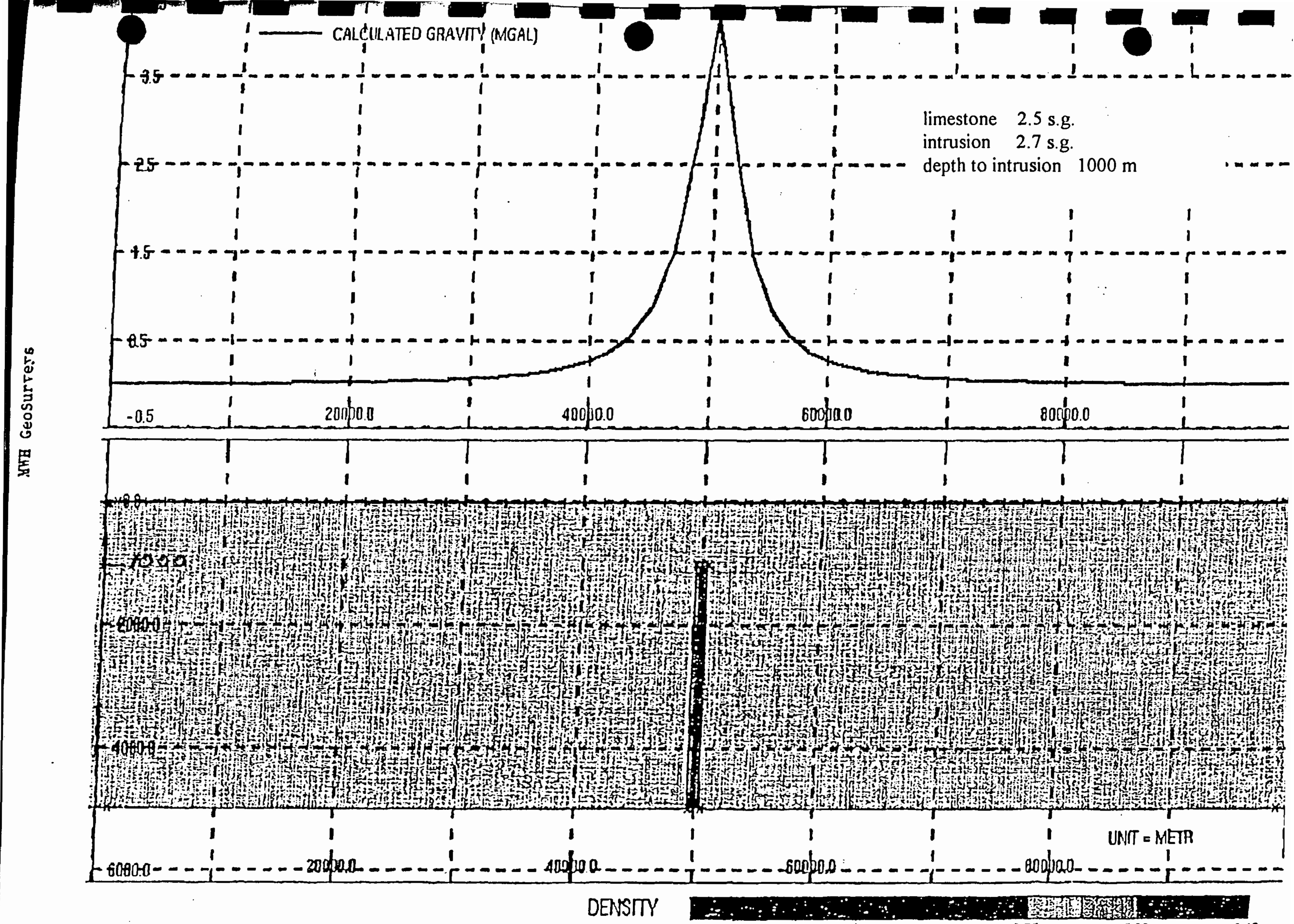
**SPECIFIC GRAVITY**

**Sample Date:**
**Analysis Date:** OCT 20, 95

| # | Sample | Sample gm | Flask gm | Total gm | mls $H_2O$ | mls Sample | Sample gm/cc |
|---|---|---|---|---|---|---|---|
| 1 | ROCK A | 50.00 | 75.35 | 305.65 | 180.30 | 19.70 | 2.54 |
| 2 | " B | \| | 64.76 | 295.72 | 180.96 | 19.04 | 2.63 |
| 3 | " C | ✓ | 78.38 | 308.22 | 179.84 | 20.16 | 2.48 |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |



CALCULATED GRAVITY (MGAL)
limestone 2.5 s.g.
intrusion 2.7 s.g.
depth to intrusion 500 m
5.0
3.0
1.0
-1.0
20000.0
40000.0
60000.0
80000.0
0.0
2000.0
4000.0
6000.0
UNIT = METR
DENSITY
-0.60
-0.40
-0.20
0.00
0.20
0.40
MWH GeoSurveys
Oct 10 10:37:54 1995




ct 10 10:27:03 1995

# APPENDIX M

TABLE 10

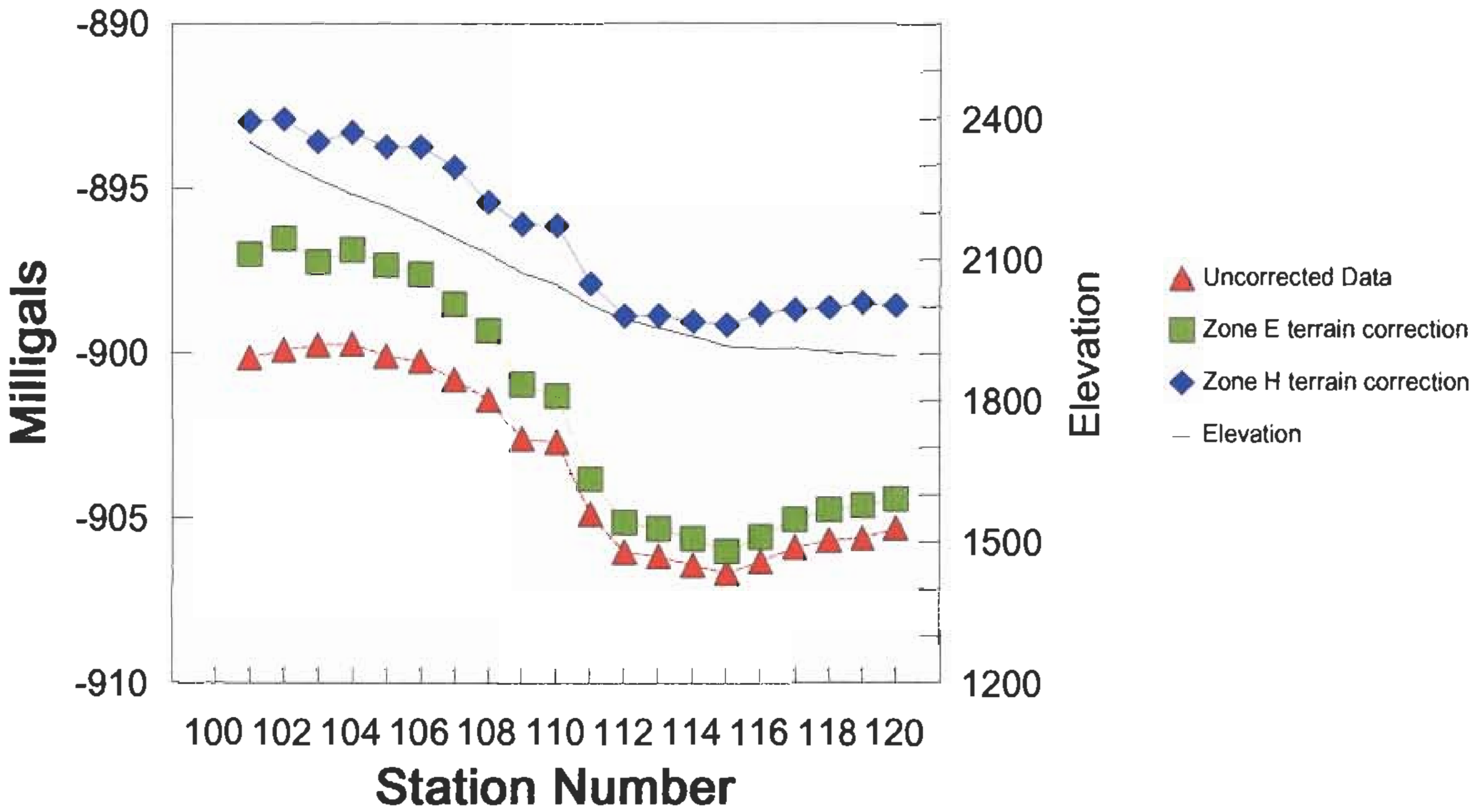
File: 563\bg_tc_5N.wk4

# Albert River Gravity Survey
# Line 5N
# Terrain Corrected Values

| Station | BG milligals 2.5 g/cm3 | terrain correction Zone E | tc BG Zone E | terrain correction Zone H | tc BG Zone H |
|---|---|---|---|---|---|
| 101 | -900.14 | 3.14 | -897.00 | 7.16 | -892.98 |
| 102 | -899.91 | 3.38 | -896.53 | 7.01 | -892.90 |
| 103 | -899.75 | 2.51 | -897.24 | 6.15 | -893.60 |
| 104 | -899.71 | 2.85 | -896.86 | 6.40 | -893.31 |
| 105 | -900.09 | 2.76 | -897.33 | 6.35 | -893.74 |
| 106 | -900.24 | 2.64 | -897.60 | 6.49 | -893.75 |
| 107 | -900.80 | 2.29 | -898.51 | | |
| 108 | -901.42 | 2.11 | -899.31 | | |
| 109 | -902.61 | 1.65 | -900.96 | | |
| 110 | -902.71 | 1.39 | -901.32 | | |
| 111 | -904.89 | 1.06 | -903.83 | | |
| 112 | -906.05 | 0.90 | -905.15 | | |
| 113 | -906.16 | 0.83 | -905.33 | | |
| 114 | -906.43 | 0.80 | -905.63 | | |
| 115 | -906.66 | 0.65 | -906.01 | | |
| 116 | -906.32 | 0.75 | -905.57 | | |
| 117 | -905.87 | 0.83 | -905.04 | | |
| 118 | -905.67 | 0.93 | -904.74 | | |
| 119 | -905.59 | 0.98 | -904.61 | | |
| 120 | -905.29 | 0.87 | -904.42 | | |

# Albert River Gravity Survey

## Line 5+00N




Date: 96.02.07
Figure: 35

# ADDENDUM

A total of $281,576 was filed (Statement of Exploration and Development) on two groups:

<u>Albert 1</u> $168,953
Albert 4-9, Ash

<u>Albert 2</u> $112,623
Albert 1-2, 10-12, Barbi, Rachel

The expenses were assigned between the groups, according to work allocated to specific claims.