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GEOLOGICAL SURVEY OF CANADA

OPEN FILE 2278

Geochemical and lithological data from overburden drill cores, with descriptive core logs, Timmins to Smoky Falls, Ontario

Sharon Smith

Terrain Sciences Division
Geological Survey of Canada

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ABSTRACT

The composite Quaternary stratigraphy in the region bounded by Timmins to the south and Moose River basin to the north comprises from youngest to oldest; postglacial sediments, Cochrane Formation, Barlow-Ojibway Formation, Matheson Till, three older, unnamed tills, and intertill sediments. Ice flow direction indicators support an early west-southwest ice flow that shifted to the south and then southeast in subsequent glacial episodes. A local, lobate surge toward the east-southeast is the youngest recorded ice flow direction in the study area.

Stratigraphic profiles derived from 70 intact cores to bedrock, suggest the correlation of Kipling with Cochrane and Adam with Matheson tills, and thus provide a link between the Quaternary stratigraphy in the Moose River basin with that of the Timmins vicinity. Pebble lithologies, heavy mineral composition, and geochemistry of silt+clay, clay and heavy mineral fractions of till indicate that Matheson Till was derived during sustained southwesterly ice flow from a Labradorean centre presumably at the Wisconsinan maximum.

Drift prospecting programs, typically impeded by the thick cover of glaciolacustrine or glacially reworked glaciolacustrine sediments in the region can be effective if the methodology, including a comprehensive drilling program, is based on a solid framework of stratigraphic information.

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INTRODUCTION

Scope

A total of 70 intact overburden cores were drilled with the Rotasonic drill during the field seasons of 1987 and 1988. Previously unpublished detailed descriptions, illustrations, and location maps of these cores are provided in Appendix I. Appendix II contains spreadsheets of analytical data derived from the core samples. This open file report of raw data and detailed core descriptions is designed to accompany a final report on this project (Smith, in press). The written report elaborates further on the implications of the compositional data with respect to the Quaternary history of the region and drift prospecting methodologies, topics which are only briefly outlined here.

Data from a small suite of surface samples from regional sampling are included in this report in Appendix III. They are not discussed in depth as they did not contribute significantly to the interpretations of regional Quaternary stratigraphy.

Objectives

Drift prospecting exploration northward beyond the Timmins vicinity for potential mineralization has traditionally been impeded by the thick cover of glacial sediments, particularly lacustrine sediments deposited in glacial Lake Barlow-Ojibway, and because certain Quaternary stratigraphic problems have not yet been resolved. This is the result of the lack of natural exposures of Quaternary sediments, and a deficiency of erosional and depositional information with which to delineate ice flow directions on a regional scale. Some subsurface stratigraphy has been done by mining companies near Timmins itself, but few natural exposures exist.

The primary objective of this project is to link the Quaternary stratigraphy of the area north of Timmins with that established from abundant natural exposures in the Moose River drainage basin so that these problems can be addressed. Deep continuous coring of unconsolidated sediments was utilized to construct this subsurface link along two roughly north-south oriented transects. In addition, closely spaced drilling was done on the former Kam-Kotia/Jameland mine properties close to Timmins, to resolve ice flow directions by studying dispersal from the outcropping orebody.

The depositional and stratigraphic models derived from the drilling will provide a sound base for development of a drift prospecting methodology in this area of thick overburden cover.

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Location

The study area is bounded roughly between 83° and 81° longitude and 48°25' and 50°10' latitude and contains the population centres of Timmins, Cochrane and Kapuskasing (Fig. 1). The smaller towns of Smooth Rock Falls, Fraserdale and Smoky Falls figure prominently in this study. Fieldwork was conducted in the western half of both Cochrane (42H) and Timmins (42A), the eastern half of both Foleyet (42B) and Kapuskasing (42G), and the southeastern corner of Smoky Falls (42J) 1:250,000 scale map-sheets of the National Topographic System of Canada.

The Moose River drainage basin is immediately to the north of Smoky Falls and lies within the Phanerozoic sedimentary basin as defined by Sanford et al.(1968, p.3). Overburden coring for this project was conducted within Precambrian terrane to the south although some work on natural river exposures within the Moose River basin, particularly Adam Creek, was conducted to complement the drilling. Major rivers and other bodies of water that are of note in the study area include the Abitibi and Mattagami rivers and their tributaries, as well as Kamiskotia and Harmon lakes.

Access in the southern part of the study area is generally good where a network of paved or gravel roads exist, although large tracts of bush remain inaccessible. It is significant to note that many logging or other bush roads are built along eskers, which presumably provided ample building material. The major artery for access to Smoky Falls, the northernmost point to which it is possible to drive, is a partly paved road from Smooth Rock Falls through Fraserdale which heads north from Highway 11 (northern trans-Canada highway). An alternate route northward from Kapuskasing is a gravel road maintained by Ontario Hydro for access to major hydroelectric installations at Smoky Falls and Harmon Lake. Adam Creek has been modified as a spillway for the Harmon Dam and provides steep, fresh exposures due to erosion from runoff of Harmon Lake.

Regional Quaternary Stratigraphy

At least five glacial advances are documented by till units in the Moose River basin (McDonald, 1969; Skinner, 1973). The sequence from oldest to youngest consists of three till sheets separated by intertill sediments, the interglacial Missinaibi Formation, Adam Till, Friday Creek nonglacial sediments, Kipling Till, and late and postglacial glaciolacustrine, marine and terrestrial units. Shilts (1984, 1985) reported a sixth and oldest till, extremely rich in kaolin, that is light grey and oxidized. It is directly overlain at one exposure on Missinaibi River by the lowermost till unit of Skinner (1973), a very compact, sandy, mauve-coloured till.

South of the Moose River basin there is limited stratigraphic information available due to the lack of natural exposures. A typical stratigraphic succession of the region comprises from oldest to youngest: "..1) sandy boulder till overlying bedrock of Precambrian age, 2) glaciofluvial sand and gravel, 3) Barlow-Ojibway varved clay (Antevs, 1925, 1928), 4) Cochrane Till, and 5) Cochrane sediments, in part varved" (Hughes, 1961). The oldest material, the "sandy boulder till" commonly identified in the study area by Boissonneau (1966) and Hughes (1965) has been

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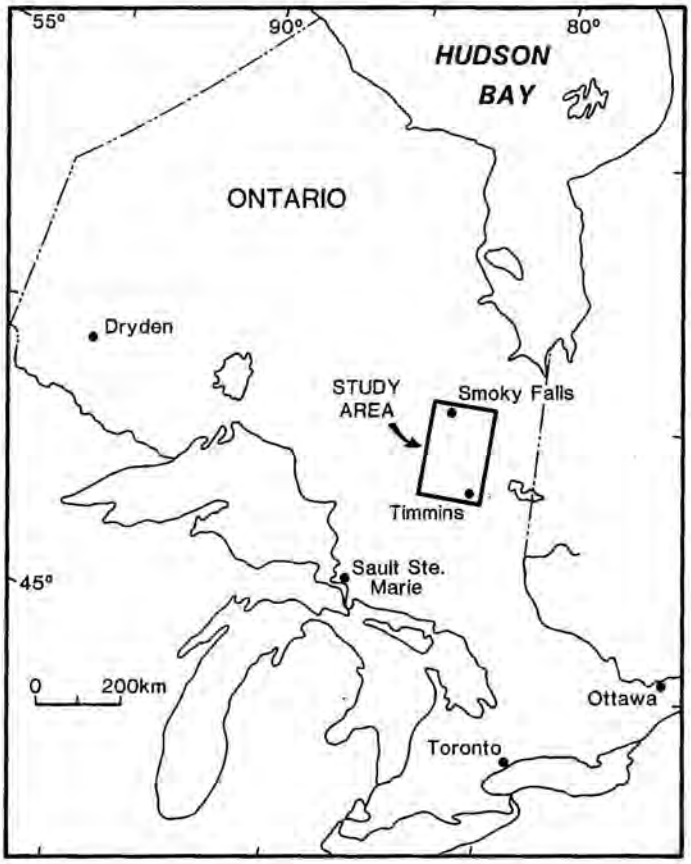

Figure 1. Location map of study area.

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named Matheson Till (Hughes, 1959). Deposits stratigraphically below Matheson Till are known primarily from exploratory reverse circulation drilling and limited Rotasonic drill core data from the Timmins area (Skinner, 1972; Bird and Coker, 1987; and assessment files). At most, four glacial episodes have been recorded by four till units.

FIELD AND LABORATORY METHODS

Overburden Drilling

In order to maximize the amount and quality of information for stratigraphic studies, intact, 10 centimetre-diameter cores of sediment to, and including the upper 1-2 metres of bedrock, were recovered using the Rotasonic™ drill operated by Midwest Drilling of Winnipeg, Manitoba (Fig. 2). In comparison with reverse circulation drills that use water to return a slurry sample, the high frequency vibration (up to 4000 rpm) and rotation of the Rotasonic drill produces continuous cores of unconsolidated sediment and bedrock with minimal disturbance or washing of the materials. The large cores provide undeformed sediment columns that allow interpretation of genesis and stratigraphy of sediments, at the same time supplying a large enough sample for analysis of very small concentrations of elements such as gold. Due to the increased cost of this type of drilling, as compared with reverse circulation techniques, it has not been utilized as a reconnaissance drill for mineral exploration, but is more suited to in-depth study.

As all of the drilling steel was measured in feet, this unit of measure will be used in the following description of the drilling process. Sediment is cored using 4 inch-diameter (10 cm), thick-walled, 10-foot (3 m) long core barrels which are lowered with narrower drill rods. The cutting bits of both the core barrel and the casing are armoured with tungsten-carbide teeth. Boreholes are alternately drilled and cased to the limit of drilling for each "run" of core recovered. The casing prevents down-hole caving of sediments thereby reducing the possibility of contamination. The unconsolidated sediments are cored about 30 feet (9 metres, or three core barrels) at a time, or less, depending upon the resistance of the material. They are extruded using vibration and water pressure, into a plastic sleeve, 5 feet (1.5 m) at a time (Fig. 3). The cores are then placed in 5-foot (1.5 m) long, individually labelled, core boxes for transport and storage. For a detailed treatment of the Rotasonic drilling technology the reader is referred to Averill et al. (1986).

Boreholes were sited across the study area based on the following rationale: 1) sites located along transects rather than in a grid fashion provide a regional subsurface profile of the Quaternary succession from north to south; 2) transects were further constrained by the availability of road access for the wheeled drilling trucks; 3) sites were distributed to give as great a regional coverage along the transects as possible; 4) buried bedrock valleys were targeted preferentially rather than areas of little bedrock relief; and, 5) sites were selected by indications from airborne and

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Figure 2. Rotasonic drill in operation.

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Figure 3. Extrusion of overburden drill core.

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detailed ground resistivity (EM) mapping that the sediments contained a significant component of till rather than strictly fine-grained sediments or sand (Fig. 4). Other factors that entered into the selection of drill sites was the local site access for the drill. It was not always possible to place the drill at the exact spot planned on the EM profile. The option was also available to drill two or more holes on the same profile, if the first showed promise of particularly interesting or complex stratigraphy. In this case, two cores on the same 1 kilometre EM profile, would approximate a section with the possibility of local lateral continuity of stratigraphic units that is lacking in solitary cores. Two sites were selected for multiple cores spaced about 50 metres apart.

Bedrock topography is highly irregular beneath the cover of overburden sediments and depths may range from near zero to 100 metres, with no distinguishable surface expression. Relatively steep bedrock valleys were preferentially targeted because of the greater likelihood that a more complete Quaternary sequence with old sediments would be preserved. It is unlikely that glacial ice would have scoured to the bottom of steep-sided valleys during each ice advance. This rationale was applied to a regional scale of subsurface mapping.

In the Kamiskotia area near Timmins, concentrated local drilling (Fig. 5), well constrained by the abundance of previous information as to depths to bedrock and sediment type (Skinner, 1972), was done as a case study for drift prospecting because of the economic interest in this area. The intact overburden cores supplied more detailed stratigraphic information than the reverse circulation methods previously applied, as well as large samples for geochemical analysis. Geochemical dispersal from known, outcropping, mineralized sources in the Kamiskotia area, was documented on a local scale and, in conjunction with local erosional ice flow direction indictors, aided identification of till units. Local stratigraphy and ice flow directions were extrapolated to support the regional synthesis and vice-versa.

Core Logging

Logging of the cores was done at a local core storage facility (a rented garage) using an objective, descriptive code modified after Eyles et al. (1983). In this non-genetic approach to sediment description, "diamicton" refers to poorly sorted materials which generally have a fine-grained matrix and greater than 5% clasts (granule to larger size). There is no glacial or non-glacial connotation. The term "till" as used in this report, refers strictly to those sediments interpreted to have been deposited directly from ice. Because glaciers advanced and retreated while fronting in deep water of proglacial lakes, the sedimentary sequence can exhibit diamictons from >1m to <1cm in thickness. These diamictons are poorly sorted glacial debris that entered the lakes as mudflows from glaciers and are virtually indistinguishable from till deposited directly by ice, other than by their regular and intimate interstratification with glaciolacustrine sediments.

Diamictons were described according to field-observable characteristics such as matrix: framework ratio (clast vs. framework supported), matrix composition (approximate percentages of sand, silt, clay), Munsell color, structures (planar,

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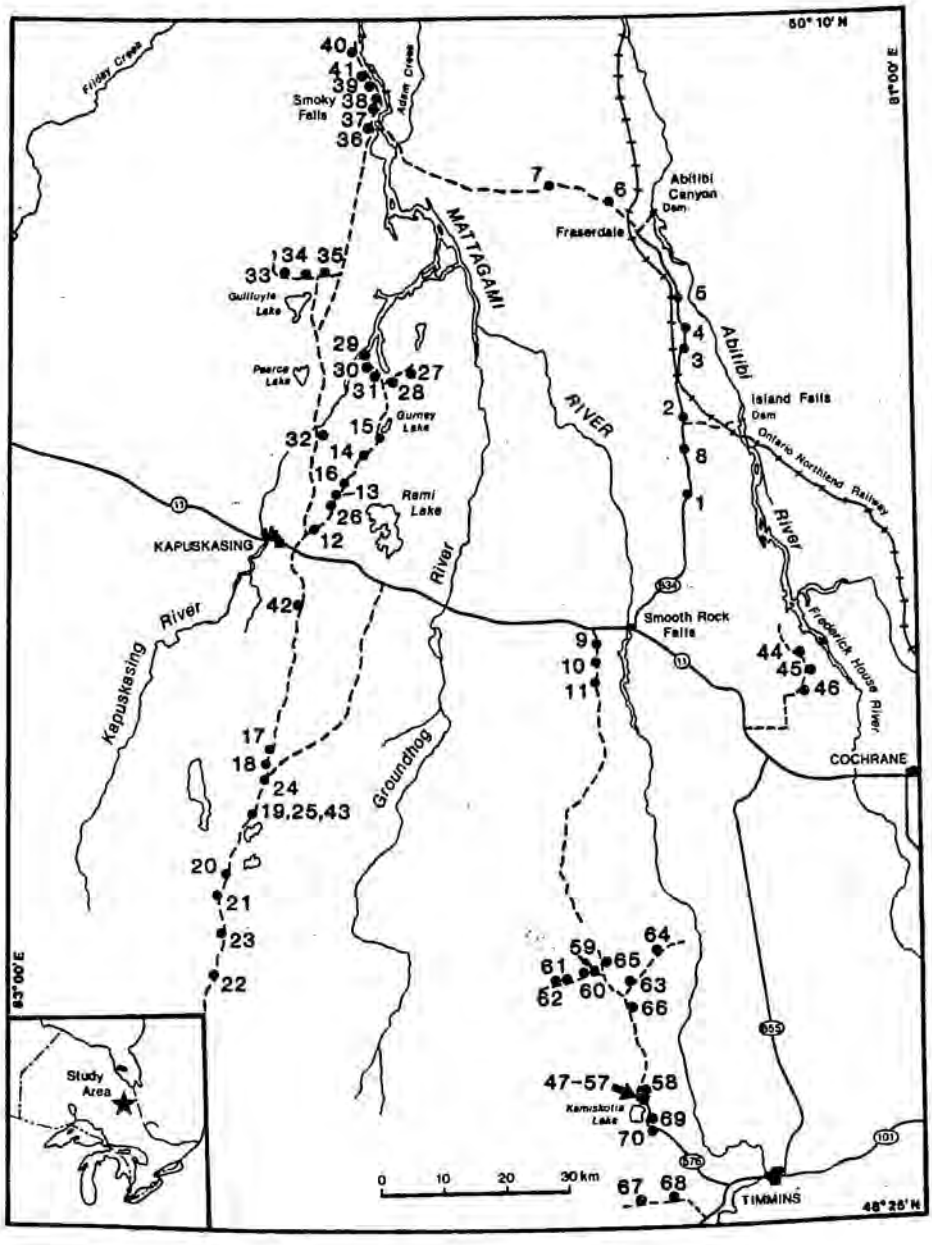

Figure 4. Map of drilling sites

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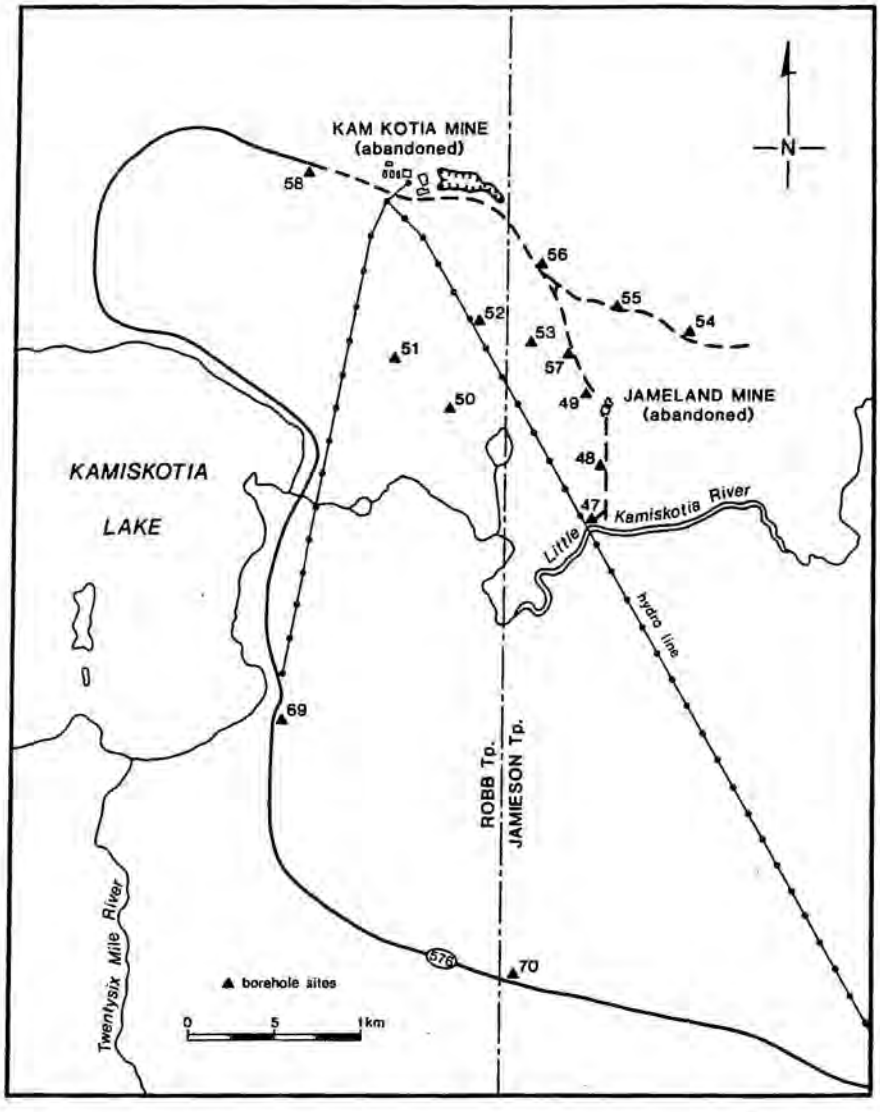

Figure 5. Map of Kamiskotia drilling sites.

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graded bedding, etc.), nature of contacts (sharp, gradational), clast lithologies (visual approximation of carbonate vs. local lithologies in order to differentiate tills), and the degree of compactness (approximated by the shape and cohesiveness of the core). Waterlain sediments were described by their texture; gravel, sand and fine (silt/clay) size fractions as well as sedimentary structures, if any. The silty clay units in general had well preserved sedimentary structures with minor secondary, drilling-induced deformation and rare organic-rich intervals.

Sediment size nomenclature used in this report approximates the grade scale developed by Wentworth (1922) with some modifications. The size range of granules will be used in this report to refer to the 2-5.6 millimetre range and the upper size limit for clay minerals is considered to be 2 rather than 4 microns. Unless specific reference is being made to laboratory separated and processed size fractions, some terms like sand and silt refer to the dominant component but may encompass more than the restricted size range definition. The term "sand" was used loosely to refer to a range of fine to medium sand sizes. In a general description of sediment units, some overlap in casual usage will be noted, primarily for the descriptor "clay" which may include a silt component. The larger size range names are more difficult to apply as the core diameter is a limiting factor. However, "boulder" rather than "cobble" was used to refer to a cored rock that comprised over 7 centimeters of core length. The term "matrix" in poorly and non-sorted sediments refers to interstitial material of less than 0.25 millimeters in diameter, and "clast" refers to sediment particles of granule and larger sizes. Coarse and very coarse sand which falls between these categories, is generally not a major component of the diamictons and is considered part of the matrix, but is logged as such for the water-sorted intervals.

Recovery of sediments by the Rotasonic method in general is good. Elongation of cores (ie. more length of core recovered than actual depth drilled) occurred in some materials, which results from displacement of sediment by the volume of the drilling steel. Diamictons, which tend to be cohesive, ie. hold a cylindrical shape after extrusion, in the majority of the study area showed complete recovery with minimal elongation of cores. Fine-grained lacustrine sequences, which might be susceptible to liquefaction by vibration in other regions (Smith and Rainbird, 1987), contain a sufficient silt component in this area that liquefaction was not a problem. Massive silt and clay was locally subject to elongation by up to 20% of its length due to squeezing. In contrast to fine-grained sediments and diamicton, sand and gravel exhibited generally poor recovery because of a lack of a binding matrix which resulted in a tendency for it to fall out of the core barrel upon retrieval and extrusion. Sand and gravel-dominant cores became square by settling in the core box and were generally saturated by water during extrusion.

Drilling-induced deformation of cores, which can for the most part be differentiated from primary features (Smith and Rainbird, 1987), is manifested in a number of ways; 1) laminar sedimentary structures exhibit down-warping along the edges of the core, 2) fractures or microfaults may be induced to form in cohesive, fine-grained material by compressive stress, 3) very cohesive, undersaturated materials, primarily diamictons, can shear off along parting planes, or other planes of weakness, to form "pucks", and 4) only large scale bedding or grading was preserved

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in the coarse-grained, sorted materials, likely due to the vibratory nature of the coring.

A graphic legend which incorporates the bulk of textural information, was developed to illustrate core sediments and structures as in the simplified core logs of this report. Additional information can be found in the accompanying descriptions for each core in Appendix II.

Core Sampling

Samples of various sediment types, averaging up to 2 kilograms in weight, were collected at regular intervals with spacing modified for detailed sampling at contacts or in intervals of specific interest such as tills (Fig. 6). The average sampling density is about every 2 metres in the cores for a total of approximately one thousand samples. Thick, waterlain sequences were sampled at wide intervals, usually every 3 metres minimum, compared to units interpreted as tills. Tills were analyzed in detail in order to aid regional correlation of till sheets by composition, to define provenance areas or directions of flow for the regionally defined units, and to decipher incorporation of anomalous materials of economic interest, such as gold or non-ferrous sulphides. Core samples were grouped into three categories based on sediment type; 1) diamicton; 2) well sorted, fine-grained sediments (predominantly lacustrine); and 3) sorted sand and gravel.

Diamictons were processed to provide clay (<0.002 mm), silt+clay (<0.063 mm), heavy mineral (0.063-0.250 mm, s.g. >3.3), and pebble fractions (2-5.6 mm) for geochemical and lithological analysis. Geochemical analysis comprised a suite of 32 trace elements for each of the clay, silt+clay, and crushed heavy mineral fractions. Selected silt+clay samples were further analyzed for gold, platinum and palladium. Heavy mineral grain identification was carried out on a subsample of 150 or 300 mounted grains. Pebbles were identified as to rock type and grouped into one of six classes which reflect dominant provenance areas. Leco carbonate analyses (Foscoles and Barefoot, 1970) were performed on a selected suite of samples. Approximately 70 samples from economically interesting areas were tabled and panned for gold grains.

Fine-grained sediments, predominantly massive to laminated silt and clay with rare granules or pebbles, were processed to separate clay and silt+clay fractions for geochemical analysis. Selected samples were also sieved to remove pebbles for identification. Leco carbonate analyses were completed for a subset of these samples. Sand and gravel samples were collected and archived.

Sample Preparation

In all of the following sample preparation descriptions, approximately 1 kg of bulk sample was processed. Most of the sample preparatory work was carried out under contract to Chemex Labs Ltd. of Mississauga, Ontario.

The clay-sized fraction was separated from bulk samples which had been initially dispersed and agitated in distilled water. After agitation, the suspended

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Figure 6. Sampling of Drill core.

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material, generally finer than 0.063 mm, was removed and centrifuged for 3 minutes at 750 rpm, in a model DPR6000
centrifuge manufactured by IEC and equipped with a 4-place head and 1000 ml cups. The supernatant, which contains the <0.002 mm material, was decanted and centrifuged again for 14 minutes at 2800 rpm. The 0.002-0.0002 mm-size sediment which settles out was removed and dried before geochemical analysis. This procedure has been standardized by the Sedimentology Laboratory of the Geological Survey of Canada. Sediment finer than 0.063 mm (silt and clay-sized) was recovered from a separate split of the original sample by dry sieving through a 250-mesh stainless steel sieve. It was retained for geochemical analysis.

The wet-sieved, fine to very fine sand-size fraction (0.063-0.250 mm) was utilized for heavy mineral separation. The procedure followed, as used in the Sedimentology Laboratory of the Geological Survey of Canada and outlined in Paré (1982), comprised gravity settling in glass separatory funnels containing methylene iodide (specific gravity 3.3). Approximately 30-50 grams of sample (63-250 m) was processed, from which the heavy minerals (s.g. >3.3) were retained and the "light" minerals (s.g.<3.3) were archived. The heavy minerals, from which the magnetic fraction was removed, were washed with acetone. Approximately 0.05 grams of heavy minerals were separated to be mounted in araldite and used for grain identification counts. The remaining sample was crushed and 0.5 grams extracted for geochemical analysis.

The pebble fraction (2-5.6 mm) was sieved and washed. A maximum of 20-30 grams of pebbles per sample, or approximately several hundred pebbles, was separated into vials for subsequent rock type identification. If fewer than 20 grams of pebbles were present, as was the case in clast-poor diamictons, the samples were also processed, but the smaller quantity of pebbles was possibly not as representative of the true weight percentages of each of the lithologic classes as in the larger samples.

Geochemical analysis

The sieved portions of the samples were analyzed in a commercial laboratory by inductively coupled plasma (ICP) for a suite of 32 elements on 0.5 grams of prepared material of the following: 1) heavy minerals (0.25-0.063mm, s.g. >3.3), crushed to a powder that passes a 250-mesh screen; 2) silt/clay (<0.063mm); and 3) clay (<0.002mm) size fractions. Elements determined were; Al, Ag, As, Ba, Be, Bi, Ca, Cd, Co, Cr, Cu, Fe, Ga, Hg, K, La, Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sc, Sr, Ti, Tl, U, V, W, Zn, Pt, Pd, and Au. The hot nitric acid-aqua regia digestion that was used may have only partially digested minerals containing Al, Ba, Be, Ca, Cr, Ga, La, Mg, K, Na, Sr, Tl, Ti, and W. Selected samples were analyzed for gold and platinum group elements in the silt/clay size fraction; a minimum of 20 grams of <0.063 mm material was required for analysis by fire assay/ICP-atomic fluorescence spectroscopy. Note that for the concentrations of the elements tungsten and selenium, the detection limit changed from 5 to 10 ppm from the 1987 to 1988 samples respectively.

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Lithological Analysis

Heavy Mineral identification

Mineralogical analysis was done in a commercial laboratory on a cone-and-quartered split of the non-magnetic heavy mineral grains. Approximately 0.05 grams of heavy mineral grains were identified using either 150 or 300-grain counts. Till samples collected in 1987 were analyzed using 300-grain heavy mineral counts. For the purposes of this project, it was then decided that 150-grain counts optimized the information, while at the same time avoiding "noise". Furthermore, the 150-grain analyses were less expensive and less time-consuming to perform than 300-grain counts. In both cases, the number of grains of specific minerals are tabulated as weight percentages. Because the suite of mineral categories differed slightly from the 1987 to 1988 sampling, the data are reported as two different spreadsheets in this report.

The mineral suite identified included the following minerals; hypersthene, bronzite, diopside, garnet, epidote, hematite, goethite, pyrite, siderite, hornblende, rutile, leucoxene, ilmenite, chromite, titanite (sphene), staurolite, kyanite, monazite, zircon, unknowns, and contaminants. Several of these classes were subdivided by shape (rounded, angular, etc.) to further reflect possible source areas. Even though amphiboles and pyroxenes were identified in the pebble counts, their specific gravities straddle that of methylene iodide and so these minerals were not used for comparison purposes.

Pebble Lithology

Identification of rock types in the pebble fraction (2.0-5.6mm) was done visually using both a binocular microscope and the naked eye. The pebbles were grouped into 6 categories representing major provenance areas and their dominant rock types. These groupings were then weighed and recorded as weight percentages of the total sample. In a small number of samples the pebbles were incompletely cleaned which resulted in the incorporation of balls of clay into the total weight. In these cases, the summation of the weight percentages may deviate from 100 by as much as 7 to 10 percent.

Provenance categories differentiated were: 1. granitic or crystalline (Archean metamorphic terrane); 2. dark, fine-grained argillites or greywackes (Proterozoic with minor Archean greenstone belt contribution); 3. light coloured carbonate (Paleozoic basin), 4. pink or red arkosic sandstone (Devonian Sextant Formation of the Hudson Platform), 5. Lignite and highly rounded, frosted, quartz grains (Mesozoic basin), and 6. wood fragments (Quaternary Missinaibi Formation). The lithologic categories were chosen for the ease of identification of the rock types, and their usefulness in distinguishing source areas, as has been demonstrated by Shilts (1980, 1985), Nielsen and Dredge (1982), and Prest and Nielsen (1987) for example. A more detailed breakdown of rock types failed to yield a greater amount of information because of

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the small size of the fragments (pegmatitic rocks, for instance, could not be differentiated because their mean grain size is greater than maximum clast size) and difficulty of identifying sources of rock types in an area of minimal to no bedrock exposure. A detailed breakdown would be more useful in a small-scale study using larger samples with larger clasts.

Occasional misidentification of rock types did not appear to impart a significant error in the weight percentages of a given sample and did not alter the trends of lithologic change as recorded through the suite of samples from individual cores. The category with the greatest likelihood of error is the Proterozoic greywacke/argillite/iron formation group. Dark grey, black, and greenish, fine-grained lithologies could also be derived from fine-grained dyke rocks, volcanic rocks, and Archean greenstone belts such as north of Lake Abitibi.

Other Analyses

Approximately 70 samples, both surficial and core samples, from the economically important area near Kamiskotia Lake were processed for physical gold grain separation. A 10 kg sample was sieved to -10 mesh (<2 mm) and washed on a shaking table to separate visible gold grains. If two grains were recovered, then the heavy fraction was also panned. These samples were also processed using methylene iodide to provide heavy mineral concentrates for grain identification. Only the samples that contained visible gold are reported. Analyses are listed, with accompanying location map, in Appendix II.

A silt+clay (<0.063 mm)split from all 1987 samples was analyzed for carbonate content by the Leco method by the Geological Survey of Canada. No 1988 samples were processed.

DRIFT PROSPECTING

Impediments to drift prospecting in this area include a thick cover of the glaciolacustrine Barlow-Ojibway Formation, a general lack of exposure of bedrock, and the difficulty of "mapping" the subsurface in order to define drilling targets.

Although there are serious impediments to drift prospecting in this area, a number of steps can be taken to maximize the effectiveness of a sampling program. They are: 1) geophysical surveys to map the subsurface and provide drilling targets; 2) limited stratigraphic drilling with a drill that will recover intact cores, in order to confirm local stratigraphy; and 3) subsequent reverse circulation drilling to provide till samples of the selected strata at depth. This should be followed by identification of anomalous concentrations of elements of interest in selected tills of known ice flow direction by using geochemical or lithological analysis. Anomalies can define dispersal trains that potentially may be traced up-ice to their source.

Rotasonic drilling to recover intact cores to bedrock is an essential component of any comprehensive drift prospecting program north of Timmins, in order to work

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out the potentially complex Quaternary stratigraphy in a given area. A successful exploration program must build upon a solid framework of stratigraphic knowledge for accurate interpretation of results.

SUMMARY

Development of the regional stratigraphic profiles would not have been possible without access to modern drilling and geophysical technologies which are only just beginning to be applied on a broad scale. The degree of refinement of the results lends a much greater confidence level to subsequent interpretations of the data than was available a decade or two ago. The other factor that has made this study feasible in the area north of Timmins, is the fortuitous occurrence of contrasting, adjacent provenance areas (ie. carbonate and crystalline terrains) that can be correlated with different ice flow directions through the succession of glacial events.

Up to 90 per cent of the sediment pile, as interpreted from stratigraphic cross-sections, is representative of the last major glacial advance (Matheson glaciation) and subsequent late and deglacial history of the region, primarily ponding of glacial Lake Barlow-Ojibway and a brief readvance of Cochrane ice prior to dissipation of the ice sheet. Although stratigraphy interpreted from 70 intact cores drilled to bedrock is complex, a maximum of five till units have been recorded and described.

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ACKNOWLEDGMENTS

The advice and assistance of several colleagues is gratefully acknowledged. Dr. W.W. Shilts of the Geological Survey of Canada was responsible for the initiation and definition of this project. He is a continuing source of information and discussion of Moose River basin stratigraphy, and provided unique insights into some of the drilling results. L.H. Thorleifson discussed Hudson Bay Lowland stratigraphy in relation to this project and helped with some core logging in the field. P.H. Wyatt assisted in the field with drilling and core logging, participated in stimulating, on-going discussion of stratigraphy in the Moose River basin. Wyatt Geoscience coordinated production of this open file report under contract.

Dr. G Palacky and L. Stephens of the Mineral Resources Division of the Geological Survey of Canada coordinated and implemented the airborne and ground resistivity mapping for siting of the boreholes. Overburden drilling was done under contract by Midwest Drilling of Winnipeg, Manitoba. Sample preparation and geochemical analyses were done by Chemex Ltd., Mississauga, Ontario and Vancouver, B.C. Selected samples were prepared by Bondar-Clegg, Ltd., Ottawa, Ontario. Heavy mineral separation and identification was provided under contract by Consorminex Ltee., Gatineau, Quebec. Tabling of samples for physical gold separation was done by Overburden Drilling Management Ltd., Nepean, Ontario. Ms. S. Balzer capably identified and counted pebble lithologies for most of the 1987 till samples.

The Sedimentology and Mineral Tracing Laboratory of Terrain Sciences Division, specifically P.J. Higgins, assisted with some sample preparation, Leco carbonate analyses, and monitoring of the contract sample work.

Grateful acknowledgement goes to the students who assisted in the field with the drilling, core logging and sampling. They were S. Balzer, M. Fingland, S. Fulton, A. Heath, S. Pelkey, and T. Warman.

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APPENDIX I

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Systematic Core Descriptions

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SYSTEMATIC CORE DESCRIPTIONS

The sediments in the 70 cores will be described from top to bottom in numeric order by borehole number. Sedimentary units are divided, based on different textures and the nature of bounding contacts. Accompanying down-hole graphic logs are not illustrated in numeric order; rather they are grouped by their spatial relationships along the drilling transects so that lateral stratigraphic and facies relationships are more apparent. Detailed borehole locations, illustrated on accompanying sketches taken from the relevant topographic map, are given by latitude and longitude measurements, NTS map sheet number, and the name of the township in which the borehole was located. The total depth drilled is indicated in the label for each core. Note that for the purposes of description, depths in the descriptions are retained in the imperial units (feet) in which they were originally drilled and logged. Metric equivalents are provided on the graphic core illustrations, for the thicknesses of the units, and descriptions of sedimentary structures, clast diameters, etc.

Borehole 1: Adanac Township, 49°28'00", 81°30'30", NTS 42H/5E, Depth drilled 135 feet (41.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: 2.5Y6/4, oxidized, minor large pebbles, granules, may be disturbed at top, gradational lower contact.	7,2.1	0-7
Sand/silt: 2.5Y6/4, massive, minor stratification of sand and silt evident at lower gradational contact.	1.5,0.5	7-8.5
Silt/clay: 5Y5/1, massive, minor fine sand and pebbles/granules lower contact sharp.	4,1.2	8.5-12.5
Diamicton: 5Y4/2, sand/silt matrix, some textural banding in sandier zones, fine laminations near top.	4,1.2	12.5-16.5
Diamicton: 2.5Y5/2, gradational contacts, sand matrix, higher content of granules and cobbles.	0.4,0.1	16.5-16.9
Diamicton: 2.5Y5/2, clay matrix, massive.	6.3,1.9	16.9-23
Silt/clay: 5Y5/1, clay-rich fine-grained sediment, few pebbles/granules, clast content decreases downward, massive.	95,29	23-118
Silt/clay: 5Y4/1, 0.5cm-thick silt/clay couplets, minor pebbles.	3.5,1.1	118-121.5
Diamicton: 5Y4/1, sandy matrix, clasts comprises mostly local bedrock types.	8.5,2.6	121.5-130
Bedrock: hornblende-biotite granodiorite	5,1.5	130-135

Borehole 2: Adanac Township, 49°34'30", 81°30'30", NTS 42H/12, Depth drilled 151 feet (46 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand/silt: oxidized to 6 feet with organic lenses, locally laminated, grades downward into silty sand.	20,6.1	0-20
Sand: unoxidized fine sand displays convoluted bedding defined by fine-grained organic matter along bedding planes, between 35 and 44 ft. sand	27,8.2	20-47

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contains less silt than above.		
Silt/clay: 5Y5/1 silt matrix with rare pebbles or granules, sharp upper contact, loading structures in convoluted bedding at 55 ft., local weakly developed laminations, well sorted.	13,4	47-60
Silt: 5Y5/1, slightly coarser-grained than above, minor clasts.	5,1.5	60-65
Clay/silt: 5Y5/1, massive, mostly clay, clast rare, fines downward.	31,9.4	65-96
Clay/silt: rhythmically laminated silt and clay, couplets average 5-6cm-thick, no clasts evident, laminae contorted for upper 40cm of unit, slightly siltier below 108 ft., few pebbles, beds are contorted at base.	17.5,5.3	96-113.5
Sand/silt: gradational upper and lower contact, small clasts of clay, minor pebbles, massive, less sorted than above.	3.5,1.1	113.5-117
Diamicton: 5Y5/1 at top darkens down core through 5Y4/1 to 5Y6/1, sand-silt matrix, local bedrock pebble content increases near base, relatively homogeneous.	47.5,14.5	117-144.5
Silt: dark green colour reflects local bedrock incorporation, sharp upper contact, massive.	0.25,0.0	144.5-144.75
Bedrock: garnet-biotite metasedimentary gneiss.	6.25,1.9	144.75-151

Borehole 3: Homuth Township, 49'41'00", 81'31'00", NTS 42H/12, Depth drilled 135 feet (41.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Clay/silt: 10YR5/3, oxidized, mottled, laminated, abundant clay rip-up clasts.	2,0.6	0-2
Silt: similar to above but more pebbles, few clay clasts present, poorly preserved local bedding.	3.5,1.07	2-5.5
Silt: oxidized, no pebbles, convoluted laminations, cohesive, gradational contacts.	2,0.6	5.5-7.5
Sand: Well sorted fine sand, rare pebbles at the base of the unit, slightly silty at top coarsens downward into fine sand, local convolute bedding in silt at top, possible trough cross-bedding at 15 ft., minor disseminated organics in lower half of unit.	24.5,7.5	7.5-32
Diamicton: 5Y5/1, contacts sharp, massive.	2.5,0.8	32-34.5
Sand: massive, medium-grained, sorted.	2.5,0.8	34.5-37
Diamicton: 5Y5/1, very compact.	6,1.8	37-43
Diamicton: 10YR6/2, clast-supported, sand/silt matrix, sharp contacts.	2,0.6	43-45
Diamicton: 5Y5/1, massive, very compact, homogenous.	20,6.1	45-65
Silt: massive, no pebbles, minor clay,	1.5,0.5	65-

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drilling disturbed in part.		66.5
Sand: fine sand, massive with pebbles and granules and minor silt.	1,0.3	66.5-67.5
Silt: massive silty clay, no pebbles.	1,0.3	67.5-68.5
Diamicton: 5Y5/1-5Y6/1, silt matrix, top 0.2 metres is clast supported (possibly drilling-induced) and grades downward into matrix-supported diamicton, abundant crystalline and carbonate pebbles, more clay in matrix towards 88 feet.	19.5,5.9	68.5-88
Diamicton: gradational upper contact, sand matrix, very cohesive, may be stratified at 93 ft., 20cm-thick interval of clast-supported at 94 ft., cobbles up to 10cm, fining downward below 94.5 feet to clay/silt matrix, sand silt at base, relatively homogenous.	19,5.8	88-107
Sand: Medium to coarse-grained, minor silt in matrix, local stony layers are matrix-poor.	3,0.9	107-110
Diamicton: Silt/sand matrix.	1,0.3	110-111
Sand: Coarse, pebbly.	2,0.6	111-113
Diamicton: Silt/clay matrix, sharp contacts.	1,0.3	113-114
Sand: Coarse to very coarse-grained at the top fining downward to fine sand at the base, few pebbles, textural layering of fine and medium-grained sand in lobe-like structures may represent flow noses.	11,3.4	114-125
Bedrock: garnet-biotite metasedimentary gneiss.	10,3	125-135

Borehole 4: 49°42'30", 81°30'00", Homuth Township, NTS 42H/12, depth drilled 125 feet (38.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: Massive fine sand and silt at top, local silt-rich layers at 3, 7, 11, 15 and 17 ft. depths exhibit convolute bedding and 2-3mm-thick silt/clay laminae, few pebbles, 2.5Y6/2 at 27 ft., colour banding present, grades downcore to medium to coarse sand with pebbles at the base (5Y6/2).	40,12.2	0-40
Diamicton: 5Y5/1, sharp upper contact, silt/clay matrix, pebble content increases from 5-15% downcore, compact, lower contact gradational.	5,1.5	40-45
Diamicton: 5Y5/1, matrix silty, amount of pebbles decreases from 15-2%, gradational contacts.	6,1.8	45-51
Silt: Minor convolute lamination expressed as colour and textural bands, rare pebbles, laminae are locally wrapped around a large cobble at 55 feet.	4,1.2	51-55
Sand: silty-fine sand, massive, sharp angular contact with lower unit, gradational from upper silt.	1,0.3	55-56

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Diamicton: 5Y5/1, clay/silt matrix coarsens to sandy at 59 feet, fissile, discontinuous parting planes, 5-10% pebbles, stratification as silt lenses from 80-81 ft., boulder at 92 ft., colour change to 10YR5/1 at base of unit, lower contact sharp.	49,15	56-105
Clay: minor silt, 5-cm-thick laminae, few pebbles, laminae thin downward.	2.0.6	105-107
Diamicton: 5Y5/1, similar to above, silt matrix, large boulder from 108-112 ft., 5Y6/2, bituminous-smelling and clay-rich from 112-114 ft., may be fracture infilling.	7,2.1	107-114
Bedrock: metavolcanic (?) fault rock.	11,3.4	114-125

Borehole 5: 49°45'15", 81°31'00", Avon Township, NTS 42H/13, Depth drilled 118 feet (36 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Silt/clay: Contorted bedding, no pebbles.	6,1.8	0-6
Silt/sand: Gradational upper contact, coarsens downward to silt and fine sand, no pebbles present.	9,2.7	6-15
Sand: Sharp upper contact, brown fine to medium sand, disseminated organics.	21,6.4	15-36
Sand: Sharp break with upper sand at coarse sand with granules from 36-38 ft., fine to medium moderately sorted sand below 38 ft., unoxidized, coarse sand below 46 feet, lower erosional contact.	24,7.2	36-50
Clay/silt: Convolutely laminated silt and clay, rare granules, rip-up clasts, lower contact gradational, grades downward to sandy with faint laminations.	7,2.1	50-57
Diamicton: 5Y5/1, fissile, sandy matrix, clast-poor, predominantly granule-sized clasts, lower contact gradational.	33,10.1	57-90
Silt: laminated for upper 0.3 metres, massive below 91 ft., granules present.	2,0.6	90-92
Diamicton: sandy to silt matrix, 5Y5/1, boulder 100-103 ft. is same as local bedrock, lower contact gradational, bituminous odour.	16,4.9	92-108
Diamicton: clay/silt matrix, abundant granules and pebbles, thin, very convoluted laminations.	4.5,1.4	108-112.5
Bedrock: biotite tonalite gneiss	5.5,1.7	112.5-118

Borehole 6: 49°54'00", 81°40'00", Pinard Township, NTS 42H/13, Depth drilled 277 feet (84.4)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: 10YR6/4, sandy/silt matrix, massive, lower contact sharp.	9,2.7	0-9
Diamicton: 5Y4/1, silt/clay matrix, compact.	1,0.3	9-10
Sand: silty-fine sand.	0.5,0.2	10-10.5

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Diamicton: silt/sand matrix, 5Y4/2, lower contact sharp.	0.5,0.2	10.5-11
Diamicton: 5Y4/1, massive, upper contact erosional.	6.5,2	11-17.5
Diamicton: 2.5Y4/2, upper contact inter-bedded with overlying diamicton, bituminous odour.	0.5,0.2	17.5-18
Sand: Grades downward from silty to fine sand, granules in upper 24cm of interval.	6,1.8	18-24
Silt: sharp upper contact, clayey silt with convoluted laminations, grades downcore into fine sand.	1.5,0.5	24-25.5
Sand: fine sand, weakly stratified.	10,3.1	25.5-35.5
Silt: sharp contacts, minor clay, convoluted laminations, possible dewatering structures and flow noses present.	1.5,0.5	35.5-37
Sand: fine sand grades down into silty/fine sand, massive with local ripple/bedding structure preserved.	28,8.5	37-65
Silt: 5Y4/1, minor clay, convoluted laminations, no pebbles or granules, lower contact gradational.	10,3.1	65-75
Sand: very silty for upper 9 metres and between 140-143 feet, grades downward into massive fine sand, minor stratification, bedded below 185 ft.	137,41.8	75-212
Silt: sandy, no clasts, contorted laminae, contacts gradational, homogenous.	27,8.2	212-239
Silt/clay: massive, pebbles and granules present, more sand and pebbles at base.	31,9.4	239-270
Bedrock: biotite tonalite gneiss	7,2.1	270-277

Borehole 7: 49°55'30", 81°47'30", Sheldon Township, NTS 42H/13, Depth drilled 105 feet (32 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: fine sand, oxidized.	7,2.1	0-7
Sand: silty, small granules, silt lenses.	6.5,2	7-13.5
Silt/clay: Upper contact gradational, flow nose structures, contorted laminae.	3.5,1.1	13.5-17
Sand: medium sand, pebble-sized carbonate concretions that ehxibit bedding, moderately sorted, planar bedded.	38,11.6	17-55
Sand: well sorted medium sand, no pebbles or concretions.	4,1.2	55-59
Sand: moderately to well sorted, fine to medium grained sand, rare pebbles, concretions uncommon.	46,14	59-105

Note: This hole was disconinued at this depth due to drilling difficulties. It might have been deep as in borehole 6 which was drilled nearby in the Pinard moraine.

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Borehole 8: 49°32'00", 81°30'30", Adanac Township, NTS 42H/12, Depth drilled 135 feet (41.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: 10YR5/3, massive, clast-poor, lower contact deformed by drill.	9.5,2.9	0-9.5
Diamicton: 5Y5/1, massive, pebble/granule content 2-3%, lower contact is very gradational (arbitrarily chosen at 23 ft.) and marked by a reduction in clast content, very fine-grained at base.	13.5,4.1	9.5-23
Clay: massive, 5Y5/1, few small clasts at top, well sorted, silt lense at 63 ft., slight increase in sand and granule content 72-73 ft., grades into clay at base.	68,20.7	23-91
Silt/clay: sharp upper contact, poorly developed, nonuniform laminations, thickness of rhythmites variable, no clasts evident, laminae at upper contact are contorted, those at the base are planar.	15.5,4.7	91-106.5
Diamicton: sharp upper contact, 5Y6/1, silt/sand matrix, massive, high clast content.	22,6.7	106.5-128.5
Bedrock: hornblende-biotite diorite gneiss.	6.5,2	128.5-135

Borehole 9: 49°17'30", 81°42'30", Haggart Township, NTS 42/5E, Depth drilled 135 feet (41.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: 10YR4/2, <5% clasts, weakly laminated, sharp lower contact.	6,1.8	0-6
Clay: massive, rare granules/clasts, minor clasts and ripped up clay clasts from 25-28 ft., grades downward into 0.9 metres of thick clay/silt rhythmites at base, some beds appear to be rotated.	37,11.3	6-43
Bedrock: biotite tonalite gneiss	4,1.2	43-47

Borehole 10: 49°13'30", 81°42'00", Haggart Township, NTS 42 H/4, Depth drilled 23 feet (7 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: 10YR5/3, minor, wispy layering, similar to hole 9, sharp lower contact.	9,2.7	0-9
Clay: massive, 5Y5/2, rare sand grains, rare clasts up to 3cm dia., thin grey, silt wisps near base of hole drill-deformed.	9,2.7	9-18
Bedrock: hornblende-biotite granodiorite	5,1.5	18-23

Borehole 11: 49°11'30", 81°42'30", Haggart Township, NTS 42 H/4, Depth drilled 141 feet (43 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Clay: 10YR5/3, colour is mottled at top, rare clasts, gradational lower contact.	5,1.5	0-5

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Silt/clay: laminations 1-2 mm thick, very contorted at base, sharp lower contact.	3,0.9	5-8
Clay: 5Y5/1, massive with minor silt, rare clasts, gradational lower contact.	12,3.7	8-20
Silt/clay: faintly laminated, rare granule-sized clasts, laminae very contorted toward base, sharp lower contact.	10.5,3.2	20-30.5
Diamicton: 5Y6/1, massive, silt/sand matrix, abundant large clasts and pebbles, contains few clasts, minor silt from 45-47 ft., 30% clast content from 47-48 feet.	17.5,5.3	30.5-48
Diamicton: 5Y6/1, massive silt/clay matrix, contorted bands of clay between 54-59 ft., lower contact interfingered.	14,4.3	48-62
Sand: minor silt, interbedded with overlying unit, contains granules and minor cobbles, lower contact gradational.	12.5,3.8	62-74.5
Diamicton: 5Y5/1, sand/silt matrix, more sand in matrix from 82-90.5 ft., gradational lower contact.	16,4.9	74.5-90.5
Diamicton: 5Y5/2, clast-supported, matrix silty, lower contact sharp.	3,0.9	90.5-93.5
Diamicton: 5Y5/1, massive, silt matrix uniform texture.	29.5,9	93.5-123
Sand: massive, medium-grained sand, nature of contacts unknown.	0.5,0.2	123-123.5
Diamicton: 10YR5/1 at top, grades down to 5Y5/1 to 5Y4/1 at base, bituminous odour, massive, very cohesive.	13.5,4.1	123.5-137
Bedrock: syenite	4,1.2	137-141

Borehole 12: 49°25'30", 82°20'00", O'Brien Township, NTS 42 G/8, Depth drilled 101 feet (30.1 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Silt/clay: oxidized, 10YR6/3, irregular, contorted laminae, clasts rare, grades downward.	5,1.5	0-5
Sand: 2.5Y6/4, minor silt to very fine sand, massive at top with distorted bedding features from 10-14 ft., local bands or clasts of silty clay, lower sharp contact is colour and textural break.	9,2.7	5-14
Sand: 5Y6/1, finer grained than above but coarsens downward to fine sand, bedding features distorted, textural banding, sharp lower contact.	13,4	14-27
Sand: massive, medium-grained sand, no clasts, very well sorted.	15,4.6	27-42
Sand: massive, medium-grained sand with pebbles and granules.	8,2.4	42-50
Sand: coarse-grained sand with abundant pebbles and granules, sharp lower contact.	13,4	50-63
Diamicton: 5Y5/1, massive.	3,0.9	63-66
Sand: sharply bounded fine sand with no clasts.	1,0.3	66-67

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Diamicton: 5Y5/2, minor stratification with thin layers of dark grey clay, sharp lower contact, very cohesive, 15% clasts.	7.5,2.3	67-74.5
Diamicton: 5Y5/1, clay matrix better sorted than above, moderately compact, 10% clasts, lower contact sharp.	8.5,2.3	74.5-83
Sand: coarse-grained sand with pebbles, granules, large cobble at top.	1.5,0.5	83-84.5
Sand: massive, fine to very fine sand, moderately sorted, lower contact sharp.	1.5,0.5	84.5-86
Diamicton: 5Y6/1, massive, silt matrix slightly finer grained toward base, to 5Y4/2 at 93 ft., cohesive.	10, 3.1,	86-96
Bedrock: hornblende tonalite gneiss	5,1.5	96-101

Borehole 13: 49°27'30", 82°17'00", Teetzel Township, NTS 42 G/8, Depth drilled 120 feet (36.6 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: disturbed gravelly road-bed	3,0.9	0-3
Silt/clay: 10YR5/3, laminated, mottled, oxidized.	2,0.6	3-5
Sand: massive, medium sand, few clasts.	1,0.3	5-6
Clay/silt: 2.5Y6/4, laminated, oxidized, clasts present, lower contact is limit of surface oxidation.	1.5,0.5	6-7.5
Clay/silt: massive, 5Y4/1, lower contact gradational, clasts content increases downward.	3.5,1.1	7.5-11
Diamicton: 5Y5/1, massive, silt matrix, grades downcore to 5Y5/2, abundant pebbles above lower sharp contact.	22.5,6.9	11-33.5
Diamicton: 5Y6/1, sand/silt matrix, disseminated wood fragments, lower contact sharp.	4,1.2	33.5-37.5
Sand: massive, well-sorted, medium sand, local accumulation of lignitized wood fragments, grades downward into coarse sand, minor pebbles in lower 1.5 metres of unit, contact sharp.	14.5,4.4	37.5-52
Diamicton: 5Y4/2, thin wisps of silt along parting planes end at 70 ft., more cohesive and clast rich (>15%) below 70 ft., 3 or 4 very thin silt laminae at 84 ft.	34.510.5	52-86.5
Sand: poorly sorted, medium sand, sharply bounded, with pebbles and granules.	10,3.1	86.5-96.5
Diamicton: 5Y5/1, silt/sand matrix, massive, very compact, local parting planes.	18.5,5.6	96.5-115
Bedrock: hornblende-biotite granodiorite gneiss.	5,1.5	115-120

Borehole 14: 49°32'00", 82°13'00", Gurney Township, NTS 42 G/9, Depth drilled 42.5 feet (12.9 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: mixed clast lithologies, local	5,1.5	0-5

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backfill for road, oxidized.		
Peat: buried modern lake level, sharp contacts.	1,0.3	5-6
Clay: cobbles at top of unit immediately under peat, limit of oxidation (10YR4/3) is at 10 ft. massive clay, 5Y6/1, with minor, rounded pebbles, wispy laminae of silty clay at 20 ft., minor, angular silt clasts at 29 ft., abundant small clay inclusions and distorted silt/clay laminae in lower 0.9 metres of unit.	32.5,9.9	6-38.5
Bedrock: hornblende-biotite granodiorite gneiss.	4,1.2	38.5-42.5

Borehole 15: 49°33'20", 82°11'30", Gurney Township, NTS 42 G/9, Depth drilled 33 feet (10.1 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: 10YR6/4, sandy, mottled colour, top 0.9 metres have been bulldozed, lower 1.5 metres very compact, gradational lower contact, fissile.	8,2.4	0-8
Silt/clay: laminations locally contorted, drill-induced folds, rare large clasts, large, rotated clay clasts in lower laminae, laminae contorted at base, gradational lower contact.	7,2.1	8-15
Silt: massive, large, angular clay inclusions may represent thick (40cm) varves, rotated clay layer at 22 ft., stratification diminishes downward.	15,4.6	15-30
Bedrock: gneiss	3,0.9	30-33

Borehole 16: 49°29'00", 82°15'45", Gurney Township, NTS 42 G/8, Depth drilled 120 feet (36.6 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: mixture of road-fill gravel and diamicton, locally derived.	2,0.6	0-2
Sand: massive, fine-grained, 5Y6/3 at top to 5Y6/1 below 10 ft., abundant disseminated organic fragments, fines downward into sandy silt, lower contact interfingered.	20,6.1	2-22
Diamicton: massive, 5Y6/1, lower contact irregular (interfingered).	1.5,0.5	23.5-25
Clay/silt: massive with faint, contorted laminations, angular clay clasts, sharp lower contact.	3,0.9	25-28
Clay: massive, no clasts.	2,0.6	28-30
Clay/silt: convoluted, finely laminated silt and clay laminae, local 30cm-thick layers of silt, minor pebbles. abrupt lower contact.	10,3.1	30-40
Clay/silt: less silt than above, massive, local, thin laminations, several large carbonate clasts, silt inclusions at base, lower contact gradational.	9.5,3	40-49.5
Clay/silt: rhythmically laminated, no clasts, sharp lower contact.	1.5,0.5	49.5-51

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Diamicton: 5Y6/1, clay/silt matrix.	8,2.4	51-59
Sand: medium sand, pebbles, inclusions of diamicton, sharply bounded.	0.5,0.2	59-59.5
Diamicton: 5Y6/1, similar to above unit.	0.5,0.2	59.5-60
Diamicton: 5Y4/2, upper contact is marked by sharp colour change, silt partings up to 3cm-thick.	3,0.9	60-63
Sand: well-sorted, diamicton inclusions, sharply bounded.	1,0.3	63-64
Diamicton: 5Y5/1, massive, compact, clay-silt matrix, oxidized 80-81 ft., no contact evident.	17,5.2	64-81
Bedrock: weathered, disaggregated gneiss.	9,2.7	81-90

Borehole 17: 49°06'15", 82°25'30", Casselman Township, NTS 42 G/1, Depth drilled 115 feet (35.1 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Silt/clay: massive, oxidized, mottled colour, lenses of diamicton-like material, likely road-fill, gradational lower contact.	3,0.9	0-3
Clay: massive, minor clasts up to 1 cm-diameter, amount of pebbles/granules decreases downward to 30 ft., clay is well-sorted, gradual change to slightly more clasts, rare pebbles up to 3 cm-diameter at base, lower contact gradational.	37.5,11.4	3-40.5
Clay/silt: upper 20cm are deformed rhythmites, well preserved graded rhythmites 5cm thick to 45 ft., rhythmites thicken downward, silt layers thicken downward to 7cm-thick.	22.5,6.9	40.5-63
Sand: fine-grained, minor pebbles, abundant organic debris, massive, rare clay layers 1-2cm thick, local, convoluted silt laminae at 81 ft., lower contact sharp.	20,6.1	63-83
Sand: very fine grained, upper contact at top of graded clay/silt layer 15cm thick, siltier than overlying sand unit, organics (many lignitized) common, contorted silt laminae from 99-103 ft., lower contact gradational.	20,6.1	83-103
Clay: massive, 2.5Y4/0, sharp lower contact.	0.5,0.2	103-103.5
Sand: massive, minor clay wisps and clasts, organics present, pebbly layer on bedrock.	6.5,2	103.5-110
Bedrock: mafic gneiss.	5,1.5	110-115

Borehole 18: 49°05'00", 82°26'00", Casselman Township, NTS 42 G/1, Depth drilled 121 feet (36.9 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: road fill, locally derived.	4,1.2	0-4
Soil: buried soil profile and organics.	0.5,0.2	4-4.5
Diamicton: clay/silt matrix, clasts up to 2-3cm-diameter, 2.5Y5/4, mottled colour,	6.5,2	4.5-11

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oxidized to 11 ft., poorly sorted.		
Clay: massive, very compact, 2-5% pebbles, 2.5Y5/2, both contacts gradational.	4,1.2	11-15
Silt/sand: layers of oxidized sand interbedded with silt/clay rhythmites, locally convoluted, 2.5Y6/6.	7,2.1	15-22
Silt/clay: convoluted, finely laminated silt and clay, both contacts abrupt.	3,0.9	22-25
Sand: massive, fine to medium-grained, abundant organic fragments, colour slightly mottled.	28,8.5	25-53
Silt/clay: 3 horizontal, graded, laminae of silt and clay, 2.5Y6/4, sharp contacts.	0.2,0.1	53-53.2
Sand: fine to medium-grained, rare silt lenses, abundant lignite fragments.	16.8,5.1	53.2-71
Silt/clay: sharp contacts, several silt/clay rhythmites.	1,0.3	71-72
Sand: massive, medium grained, lower contact sharp.	2,0.6	72-74
Diamicton: massive, sandy/silt matrix locally silt-rich, clast-supported for top 5cm, rare silt wisps along parting planes, predominantly granitic pebbles, very compact, generally fissile below 100 ft., 5Y4/2, no obvious contact but textural change.	42,12.8	74-116
Bedrock: mylonite.	5,1.5	116-121

Borehole 19: 49°00'15", 82°28'15", Fenton Township, NTS 42 G/1, Depth drilled 125 feet (38.1 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Clay: 10YR5/4, road-bed over soil profile for top 20cm, laminated, colour mottled, few pebbles, sharp lower contact.	4,1.2	0-4
Clay: massive, 2-5% small clasts, clast content decreases downward, 2.5Y5/4, 1cm-thick pebbly sand bed at 4.5 ft., gradational contacts.	3,0.9	4-7
Boulder: crystalline gneiss	2,0.6	7-9
Diamicton: 5Y4/1, sandy matrix, mixed pebble lithologies, cohesive.	2,0.6	9-11
Boulder: crystalline	1.5,0.5	11-12.5
Sand: fine sand and silt, convoluted silt wisps, angular clay clasts, graded clay laminae spaced about 20cm, flame structures in fine sediment, large-scale rhythmites.	5.5,1.7	12.5-18
Sand: minor silt, fine sand at top coarsens downward to medium grained sand, clay beds 1-2cm thick at 23 and 30 ft., conformable, lower contact gradational.	22,6.7	18-40
Sand/gravel: moderately sorted, pebbly clasts from 1-60mm diameter, fine to medium sand in matrix, no silt, clast-supported, lower contact sharp.	11,3.4	40-51
Diamicton: 5Y5/1, variable texture, silt matrix to 55 ft., sandy 55-79.5 ft., 12cm-	28.5,8.7	51-79.5

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thick boulder at 55 ft., fissile with silty parting planes from 58-60 ft., very compact below 70 ft., lower contact sharp with silt laminations (5Y3/2).		
Diamicton: 5Y5/1, sand matrix grades downcore to silty clay, poorly cohesive, 5-10% clasts, mixed lithologies, lower contact sharp.	15.5,4.7	79.5-95
Sand: stratified fine to very fine sand, <1% granules and clay clasts for top 1.5m, massive, well sorted below 100 ft., clay bed at 107 and 110 ft., pebbly sand above lower, sharp contact.	18,5.5	95-113
Diamicton: Bluish-olive-green, composed largely of reworked local saprolite, foreign clasts noted, silt matrix, cobble at lower, gradational contact.	1,0.3	113-114
Bedrock: saprolite	11,3.4	114-125

Borehole 20: 48°55'20", 82°31'12", Seaton Township, NTS 42 B/15, Depth drilled 85 feet (25.9 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: mixture of clay and pebbles, likely altered by road building.	4,1.2	0-4
Peat: modern, former surface layer.	0.5,0.15	4-4.5
Silt/clay: graded, well defined silt/clay rythmites up to 1cm thick, sharp lower contact.	3.5,1.1	4.5-8
Clay: massive, minor sand or granules concentrated at top, 2.5Y5/2, fining downward, lower contact sharp.	17,5.2	8-25
Clay/silt: chaotically interbedded silt and clay, definition of primary structure decreases downward.	10,3	25-35
Clay: massive, remnants of silt inclusions or stratification, no pebbles, rare sand grains, sharp lower contact.	14,4.3	35-49
Diamicton: variable, fine sand matrix and silt, locally clast-supported, minor cobbles, coarsens downward, lower contact gradational, very pebbly, 5Y5/1.	16,4.9	49-65
Sand: sorted, pebbly, fine to medium-grained at top, coarser at base, cobbles and large pebbles common, sharp lower contact.	6,1.8	65-71
Diamicton: silt matrix, 5Y5/1, about 5% clasts, moderately cohesive.	3,0.9	71-74
Bedrock: porphyritic hornblende diorite	11,3.4	74-85

Borehole 21: 48°53'30", 82°32'00", Seaton Township, NTS 42 B/15, Depth drilled 90 feet (27.4 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Clay: massive, minor clasts, surface roots, road bed, mottled colour, lower contact sharp.	1.5,0.5	0-1.5
Clay: 10YR5/4, finely laminated clay	5.5,1.7	1.5-7

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rhythmites, colour banded, <2% pebbles, lower contact gradational.		
Clay: massive, lower contact sharp, unoxidized.	3,0.9	7-10
Clay: cohesive, 2% clasts, rare pebbles to 3cm diameter, 10YR4/3, mottled with dark brown smudges, lower contact gradational.	3,0.9	10-13
Clay/silt: very thinly laminated at top, convoluted, 5Y6/1, thicker, siltier laminae at base, gradational lower contact.	3,0.9	13-16
Sand: massive, fine to very fine sand at top, rare clay clasts, coarsens downward to medium sand, deformed silt layers at 53 ft., 2 cm-thick silt layer at 57 ft. with sharp upper and gradational lower boundary, lower contact erosional with rip-up clasts.	56,17.1	16-72
Silt: 5Y3/2, massive, pebbles up to 3 cm diameter, organic fragments and brown smudges, lower contact sharp.	1,0.3	72-73
Silt: finely laminated, colour banded, rare pebbles, visible woody chunks and organics, laminae thicken and coarsen slightly downward, faintly laminated at base, sandy, resembles soil profile, vertical cracks in the sediment have white calcareous deposit, lower contact angular, erosional.	4,1.2	73-77
Diamicton: 5Y5/1, 10% clasts, sandy-silt matrix, soft due to drilling, lower contact sharp.	3,0.9	77-80
Diamicton: 5Y5/1, silt/clay matrix, silt lenses along fissile parting planes, inclusion of brown, organic-bearing silt, abundant clasts including carbonates, very compact.	5,1.5	80-85
Bedrock: porphyritic hornblende diorite	5,1.5	85-90

Borehole 22: 48°46'40", 82°32'30", Lisgar Township, NTS 42 B/15, Depth drilled 178 feet (54.3 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Clay/silt: laminated for top 2 ft., massive, 2-5% clasts, minor sand in the matrix, 10YR5/3, soil profile and road bed at top, lower contact sharp.	9,2.7	0-9
Clay: 10YR4/3, massive, rare pebbles or clasts, colour slightly mottled, lower contact abrupt.	13,4	9-22
Silt: 2.5Y4/2, fine sandy silt, lower contact abrupt.	2,0.6	22-24
Clay: 10YR4/2, massive, no granules, lower contact sharp.	2,0.6	24-26
Silt/clay: graded silt/clay couplets up to 1cm-thick, very deformed to 31 ft., lower contact sharp.	9,2.7	26-35
Silt/sand: massive to weakly laminated at top, inclusions of oxidized clay, coarsens downward to fine sand, lower contact abrupt.	8,2.4	35-43

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Sand/gravel: stratified, alternating intervals of very coarse sand, pebbly sand and gravel, large cobbles at lower, sharp contact.	112,34.1	43-155
Diamicton: silt/clay matrix, 5Y4/1, 10-15% clasts, clast content decreases downward, very compact, boulder 164-166 ft..	18,5.5	155-173
Bedrock: gabbro	5,1.5	173-178

Borehole 23: 48°50'10", 82°31'20", Lisgar Township, NTS 42 B/15, Depth drilled 115 feet (35.1 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Clay: 10YR5/3, <5% clasts, colour banded, mottled to intermittently laminated, laminae are locally convoluted, lower contact sharp.	8,2.4	0-8
Clay/silt: massive, <2% clasts, some colour mottling, minor sand, clast content decreases downward, brown/grey interlayering at 14 ft. may be depth of oxidation, 3 layers of silt spaced 40cm at 27 ft., lower contact sharp.	23,7.0	8-31
Clay/silt: laminated silt/clay, very chaotically deformed rhythmites with clay inclusions to 43 ft., well preserved graded couplets 2-5cm thick to 47 ft., highly contorted ripped-up silt layers to 55 ft., lower contact gradational.	24,7.3	31-55
Sand: massive, very fine sand well sorted at top, medium to coarse-grained sand and pebbly sand to 90 ft., grades downward to medium to coarse sand with minor pebbles at base of unit.	55,16.8	55-110
Bedrock: biotite granite	5,1.5	110-115

Borehole 24: 49°03'45", 82°26'15", Casselman Township, NTS 42 G/1, Depth drilled 34 feet (10.4 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Sand/diamicton: local road-bed material.	2,0.6	0-2
Sand: sharp contacts, coarse-grained.	3,0.9	2-5
Clay/silt: laminated, minor granules, mottled colour, sharp contacts.	0.5,0.2	5-5.5
Diamicton: 5% clasts, massive, matrix moderately sorted silt/sand, colour change at lower gradational contact, 2.5Y4/2.	2.50.8	5.5-8
Clay/silt: massive, <2% pebbles, brown/grey interfingering is likely drilling-induced, 10YR5/4 and 2.5Y5/2, local beds of well sorted clay with no clasts, sharp lower contact.	10,3	8-18
Sand: massive, fine-grained.	10,3	18-28
Bedrock: sheared iron formation.	6,1.8	28-34

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Borehole 25: 49°00'20", 82°28'06", Fenton Township, NTS 42 G/1, Depth drilled 94 feet (28.7 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Clay: mottled colour, 10YR5/3 to 11 ft., 5Y4/2 to 16 ft., minor pebbles, remnants of deformed clay laminae from 6-10 ft., lower contact sharp.	16,4.9	0-16
Boulder: crystalline	1,0.3	16-17
Sand: massive fine sand, clay layers 1-2cm thick at 17.5, 20, 25, and 33 ft., 15 cm-thick clay bed at 38 ft. with load structures on top, pebbly sand at bottom, lower contact gradational.	24,7.3	17-41
Diamicton: very poorly sorted gravel and diamicton mixture, locally clast-supported, some cobbles, lower contact sharp.	2.5,0.8	41-43.5
Diamicton: fine sand/silt matrix, 5Y5/1, very compact at top and base, variable, boulder 0.5m-thick at 50 ft., fissile at 66 ft., 10-15% clasts, clast-supported and saturated 55-56 ft. likely due to drilling, boulder of local bedrock at 75 ft., sandy above bedrock, fine silty laminae on bedrock surface.	35.5,10.8	43.5-79
Bedrock: saprolite	1,0.3	79-80
intermediate gneiss poorly recovered	14,4.3	80-94

Borehole 26: 49°27'30", 82°17'00", Teetzel Township, NTS 42 G/8, Depth drilled 103 feet (31.4 metres)

Lithology	*Thickness* (ft.,m.)	*interval* (feet)
Diamicton: gravel and diamicton mixture as road embankment.	3,0.9	0-3
Silt/clay: 10YR4/3, graded, 5cm-thick rhythmites, sharp lower contact.	2,0.6	3-5
Clay: massive, mottled, 5% granules or sand, few pebbles, fines downward, sharp lower contact.	2.5,0.8	5-7.5
silt/clay: laminated, minor pebbles, lower contact gradational.	2,5,0.8	7.5-9
Sand: fine sand, few pebbles, lower contact gradational.	1.5,0.5	9-10.5
Silt/clay: deformed and ripped-up thin laminae, lower contact irregular, sharp.	1,0.3	10.5-11.5
Diamicton: 5Y5/2, silty fine sand matrix, 15-20% clasts, uniform, slightly sandier at base, pebbles up to 3cm, lower contact sharp.	32.5,9.9	11.5-44
Sand: poorly sorted, gravelly, fine sand, lower contact sharp.	5,1.5	44-49
Diamicton: 5Y5/1, sand/silt matrix, compact, lower contact abrupt.	8,2.4	49-57
Clay: massive, <2% sand, cohesive, fining downward, lower sharp contact marked by silt wisps.	8,2.4	57-65

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Diamicton: 5Y5/1, massive, poorly defined stratification, very clast-poor, sand matrix, layered silt beds at 70-73 ft., massive fine sand 73-76 ft., contacts poorly defined.	32,9.7	65-97
Bedrock: hornblende granite	6,1.8	97-103

Borehole 27: 49°39'40", 82°08'30", Torrance Township, NTS 42 G/9, Depth drilled 103 feet (31.4 metres)

Lithology	*Thickness (ft.,m.)*	*Interval (feet)*
Diamicton: Sandy matrix, bulldozed road bed, embankment built into lake.	10,3.1	0-10
Silt: mostly massive, minor discontinuous laminae with clay, organic-rich.	4,1.2	10-14
Peat: peat with wood in silt.	1,0.3	14-15
Sand: massive, fine sand/silt with no clasts grades downward to coarse sand with pebbles and cobbles, disseminated organics, unoxidized.	8,2.4	15-23
Diamicton: 2.5Y4/0 at top, 5Y5/1 below 24 ft., silty/clay matrix, locally fissile, very compact, crystalline boulder at 43 ft., lower contact gradational, large cobbles at upper surface.	31,9.4	23-54
Diamicton: more massive than above, 5Y5/1, sand matrix, compact, abundant carbonate clasts, lower contact sharp, deformed laminae at base (5Y6/1).	21,6.4	54-75
Diamicton: 5Y5/1, very cohesive core, minor clasts, abundant carbonates, lower contact at crystalline boulder.	19,5.8	74-93
Sand: medium to coarse pebbly sand, minor fine sand laminae on bedrock contact.	5,1.5	93-98
Bedrock: biotite gneiss	5,1.5	98-103

Borehole 28: 49°38'50", 82°09'00", Torrance Township, NTS 42 G/9, Depth drilled 179 feet (54.6 metres)

Lithology	*Thickness (ft.,m.)*	*Interval (feet)*
Diamicton: locally-derived road fill, clay-rich matrix, few pebbles, oxidized.	8,2.4	0-8
Silt/clay: massive, 5Y6/1, contains wood and peat, lower contact gradational.	5,1.5	8-13
Sand: fine-medium sand, coarsens downward, few pebbles, lignite fragments at base, lower contact gradational.	8,2.4	13-21
Silt/clay: massive, 2% pebbles and granules, 5Y5/1.	18,5.5	21-39
Silt/clay: rhythmites 1-1.5cm thick, large striated cobble at upper, gradational contact, lower contact sharp.	1,0.3	39-40
Sand: medium-coarse sand, abundant pebbles up to 3cm, lower contact sharp.	6,1.8	40-46
Silt: faintly laminated, disseminated organics, woody layer at base, coarsens downward, lower contact sharp.	2.5,0.8	46-48.5

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Sand: coarse pebbly sand, sharp lower contact.	4,1.2	48.5-52.5
Diamicton: 2.5Y6/2, fine sand/silt matrix, very cohesive, locally fissile, lower contact at end of bag.	4.5,1.4	52.5-57
Sand/gravel: very coarse sand to gravel.	3,0.9	57-60
Sand: fine sand, minor silt, about 2% pebbles, coarsens upward, lower contact sharp.	4,1.2	60-64
Gravel: very coarse sandy gravel, lower contact abrupt.	2,0.6	64-66
Sand: fine-medium sand, about 10% clasts, silt/clay layer 1cm thick at 67 ft..	3,0.9	66-69
Sand: fine sand and silt, large stone at lower gradational contact.	4,1.2	69-73
Diamicton: sandy, 5Y5/1, poorly cohesive, lower contact sharp.	2,0.6	73-75
Sand: medium-grained, pebbly.	1,0.3	75-76
Diamicton: 5Y5/1, fine sand/silt matrix, poorly consolidated, lower contact gradational, boulder at 85 ft., coarser matrix with abundant clasts above lower contact.	12,3.7	76-88
Sand/silt: very fine grained, massive, locally fissile, lower contact gradational.	7,2.1	88-95
Diamicton: 5Y4/1, silt/sand matrix, about 20% pebbles, compact, fissile, lower contact gradational.	4,1.2	95-99
Silt: massive, minor fine sand, fissile, 5Y5/1, <5% pebbles, clay-rich at base, lower contact gradational.	11,3.4	99-110
Silt/clay: rhythmites, 1-5cm thick, fines downward, lower contact gradational.	9,2.7	110-119
Clay: 5Y6/1, massive, cobble at 121 ft.	3,0.9	119-122
Silt/clay: rhythmites, 1-5cm thick, lower contact sharp.	4,1.2	122-126
Sand: fine sand, massive, sharp contacts.	1,0.3	126-127
Silt/clay: rhythmites as above.	3,0.9	127-130
Sand: massive, fine sand at top grades to medium sand at base, clay/silt layers up to 10 cm thick at 135, 139, 141, and 142 ft., 15% clasts, large cobbles below 142 ft., lower contact sharp.	25,7.6	130-155
Diamicton: 5Y5/1, sand matrix, 15% pebbles and cobbles, lower contact unclear.	10,3.1	155-165
Bedrock: gneiss, surface highly reworked.	14,4.3	165-179

Borehole 29: 49°40'30", 82°11'00", Torrance Township, NTS 42 G/9, Depth drilled 55 feet (16.8 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: coarse grained, gravelly, top is road fill material.	8,2.4	0-8
Sand: fine to medium sand, gravel bed from 14-15 ft., coarse sand at base, lower contact sharp.	17.5,5.3	8-25.5
Clay: massive, silt wisps, lower contact unclear.	1,0.3	25.5-26.5
Diamicton: silt/clay matrix with sandy	9.5,2.9	26.5-

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pockets, very cohesive, 5Y4/2, rare clasts to 2.5cm, abundant carbonates, lower contact abrupt.		36
Diamicton: silt/clay matrix, clasts more abundant than above, 5Y4/2, sandy and cobbly above bedrock.	8,2.4	36-44
Bedrock: garnet-biotite gneiss, poor recovery.	11,3.4	44-55

Borehole 30: 49°39'30", 82°11'00", Torrance Township, NTS 42 G/9, Depth drilled 66 feet (20.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Organic: roots, vegetation, road bed.	0.5,0.2	0-0.5
Diamicton: silt/sand matrix, massive, 2.5Y5/4, few clasts, abundant carbonates, local plant roots, may have been imported to fill road depression, lower 30cm is mixed with underlying modern peat.	5.5,1.7	0.5-6
Peat: loose, silty, woody, black, lower contact gradational.	4,1.2	6-10
Silt/clay: massive to weakly bedded, 5Y5/2, clay-rich at base, no clasts.	8,2.4	10-18
Clay: massive, 5Y4/2, no clasts, sharply bounded.	1.5,0.5	18-19.5
Sand: fine sand, <2% clasts, lower contact gradational, massive.	18,5.5	19.5-37.5
Silt/clay: massive, rare clasts, rare silt wisps, very cohesive, lower contact sharp.	7.5,2.3	37.5-45
Clay: discontinuous silt laminae in clay, no clasts, lower contact sharp.	1.5,0.5	45-46.5
Diamicton: clay/silt matrix, 5Y5/2, massive, 15% clasts, fewer clasts and siltier matrix at base.	13.5,4.1	46.5-60
Bedrock: gneiss	6,1.8	60-66

Borehole 31: 49°38'40", 82°10'50", Township, NTS 42 G/9, Depth drilled 88 feet (26.8 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Organic: peaty vegetation.	0.5,0.2	0-0.5
Diamicton: silty matrix, oxidized for upper 1.5m (10YR5/3) with disseminated organics, silty with minor sand below 1.5m, 2.5Y5/3, <5% clasts.	13,4.0	0.5-13.5
Silty/clay: massive, minor discontinuous silt wisps below upper, sharp contact, 2.5Y 6/2.	1.5,0.5	13.5-15
Silty/clay: massive, 5Y5/2, rare granule to pebble clasts, grades to sandier downcore.	25,7.6	15-40
Clay: sandy, very cohesive, silt wisps, 5Y5/2, lower contact sharp.	3,0.9	40-43
Gravel/clay: massive clay interbedded with coarse-grained sand and gravel, 5Y5/2.	8,2.4	43-51
Gravel: coarse sand and gravel, clay clasts.	4,1.2	51-55
Sand/gravel: coarse-grained sand and gravel, silt matrix for lower 2m.	26,7.9	55-81

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Bedrock: coarse-grained biotite gneiss.	7,2.1	81-88

Borehole 32: 49°34'20", 82°18'45", Teetzel Township, NTS 42 G/9, Depth drilled 75 feet (22.9 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: locally-derived road fill, silt/clay matrix, interbedded with coarse, pebbly sand, minor vegetation, oxidized.	6.5,2	0-6.5
Silt/clay: colour banding may be primary lamination, <2% granules, rare larger clasts up to 4cm, 10YR5/3, disseminated organics.	3.5,1.1	6.5-10
Silt/clay: massive, 2.5Y4/2, less silty than above, clast content decreases down-core, colour change to 5Y4/2 through unit.	10,3.1	10-20
Clay/silt: massive clay with small wisps of silt, 5Y4/2, sharp lower contact.	4,1.2	20-24
Sand: fine sand, minor silt/clay in matrix, few larger clasts, 5Y4/2, lower contact gradational.	12,3.7	24-36
Clay/silt: massive clay with contorted silt laminae, 5Y3/1, very cohesive, lower contact gradational.	2,0.6	36-38
Sand: fine-grained, few clasts, 5Y5/3, massive, coarser at base of unit just above bedrock, 0.3m-thick laminated, cohesive, silt/clay interval 54-55 ft., 5Y4/1.	30.5,9.3	38-68.5
Bedrock: Chlorite schist with 5% visible pyrite.	6.5,2	68.5-75

Borehole 33: 49°47'40", 82°22'30", Guilfoyle Township, NTS 42 G/16, Depth drilled 48 feet (14.6 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Organic: surface materials, grades downward.	1,0.2	0-1
Diamicton: silt/clay matrix, 10YR5/4 at top, grades to 2.5Y6/6, mottled, <5% clasts, very cohesive, oxidized, lower contact gradational.	4,1.2	1-6
Clay: massive, slightly mottled, grades from 10YR5/4 to 5Y4/2 at base, minor pebbles and granules, clasts decrease downcore, boulder at 31.5-32 ft., rare oxidation around clasts.	34,10.4	6-40
Bedrock: coarse-grained, quartz-rich gneiss.	8,2.4	40-48

Borehole 34: 49°47'50", 82°21'10", Guilfoyle Township, NTS 42 G/16, Depth drilled 138 feet (42.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: locally-derived road fill, sandy.	4,1.2	0-4
Diamicton: massive, silt matrix, oxidized, 2.5Y5/4, 10% clasts, sharp lower contact, very cohesive.	5,1.5	4-9
Sand: silty, massive, fine-grained, 2.5Y6/4.	1,0.3	9-10
Clay/silt: massive, 2.5Y6/2, sharp contacts.	1,0.3	10-11
Sand: massive, coarsens downward, 0.2m-scale graded bedding, few clasts.	4.5,1.4	11-15.5

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Silt: 5Y5/2, massive, no clasts, sharp contacts.	1,0.3	15.5-16.5
Sand: fine sand, minor silt, 5Y5/2, 1% clasts, coarsens downward to medium sand.	29.5,9	16.5-46
Silt/clay: cohesive, laminae contorted, discontinuous, sharp contacts.	1,0.3	46-47
Sand: medium-grained, no clasts, massive.	0.5,0.1	47-47.5
Silt/clay: contorted laminae as above, sharp contacts.	0.5,0.1	47.5-48
Sand: fine-grained, massive, no clasts, 5Y6/2.	2,0.6	48-50
Silt/clay: finely laminated, fissile, contorted, <2% clasts, mottled 2.5Y5/2 to 5Y4/2, sharp contacts.	3.5,1.1	50-53.5
Sand: coarse, pebbly, 5Y5/2.	0.5,0.1	53.5-54
Silt/clay: laminated, sharp contacts.	0.5,0.1	54-54.5
Diamicton: sand/silt matrix, 2-3% pebbles, fissile, 5Y5/2.	0.5,0.1	54.5-55
Silt/clay: laminated, sharp contacts.	1,0.3	55-56
Sand: coarse-grained, fines downward, no clasts, 5Y5/2.	2,0.6	56-58
Diamicton: massive, silt/clay matrix, 5% clasts, 5Y5/2, fissile, sharp contacts.	1,0.3	58-59
Sand: medium to coarse, pebbly sand grades downward to fine sand, 5Y5/2, massive.	10,3.1	59-69
Diamicton: silt matrix, sandy at top, 5-10% pebbles and granules, striated clasts, 5Y4/1, fissile, contacts sharp.	14,4.3	69-83
Silt/clay: rhythmically laminated, <1mm thick, couplets thin downward, cohesive, silt wisps at top of unit, mottled 5Y4/1, lower contact gradational.	3,0.9	83-86
Clay/silt: massive, soft, 5% clasts up to 5cm, 5Y6/2, sharp lower contact.	1.5,0.5	86-87.5
Silt/clay: rhythmically laminated, as above, lower contact at large clast.	1,0.3	87.5-88.5
Sand: massive fine sand with silt, silt clasts, medium grained at 95 ft., fining downward to silty sand at base of unit, 10% clasts decrease downward.	31.5,9.6	88.5-120
Diamicton: sandy matrix, fissile, moderately cohesive, 5Y5/1, 10% granule clasts, sharp contacts.	4,1.2	120-124
Sand: poorly sorted, granular sand, minor silt and clay inclusions, 5Y6/1, massive fine sand at base, sharp lower contact.	6.5,2	124-130.5
Diamicton: poorly cohesive, abundant clasts, up to 6cm, 5Y4/1.	1.5,0.5	130.5-132
Bedrock: Gneiss with visible pyrite.	6,1.8	132-138

Borehole 35: 49°47'40", 82°20'35", Guilfoyle Township, NTS 42 G/16, Depth drilled 113 feet (34.4 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: sand/gravel road bed grades downward to fine silty sand with pebbles and granules, compact at base, sharp lower contact.	4,1.2	0-4

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Sand: massive, fine-grained, 10YR7/6, loose, plant debris, pebbly at base.	1.5,0.5	4-5.5
Sand: sharp upper contact, fine sand, some pebbles, granules and lignite fragments, 2.5Y6/3, finely laminated silt/clay interval 16.5-17 ft., oxidized along parting planes, disseminated organics increase downward.	31.5,9.6	5.5-37
Sand: fine sand, abundant disseminated organics, wood fragments, peaty, gradational contacts.	15.5,4.7	37-52.5
Sand: massive, medium to fine grained, coarsens downward, oxidized at top.	26.5,8.1	52.5-79
Sand: coarse-grained, well sorted, unoxidized, 2.5Y6/4, upper contact gradational, lower contact sharp.	17,5.2	79-96
Sand: fine-grained, massive, no clasts, 5Y6/1, lower contact may be abrupt.	6,1.8	96-102
Diamicton: massive, sand/silt matrix, fines downward to silty, 15% granule to pebble clasts, 5Y6/1, very cohesive.	6,1.8	102-108
Bedrock:	5,1.5	108-113

Borehole 36: 50°00'00", 82°11'30", Harmon Township, NTS 42 J/1, Depth drilled 62 feet (18.9 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: medium to coarse, granular, road fill.	2,0.6	0-2
Clay: massive, 2.5Y6/4, mottled, organics, 2-5% granule clasts, sharp contacts.	1,0.3	2-3
Sand: medium to coarse, fines downward.	1,0.3	3-4
Diamicton: fissile, oxidized at top, 2.5Y6/4, 5Y5/1 below 9.5 ft., <10% clasts, variable sand content in matrix, moderate to very cohesive, sharp contacts.	8,2.4	4-12
Sand: fine silty sand at top, grades downward to coarse pebble sand at 23-24 ft., fines downward to sand/silt layer at base of unit, 5Y5/1, lower, sharp contact marked by several large cobbles.	14,4.3	12-28
Diamicton: blocky, 5Y5/1, moderately cohesive, silt/fine sand matrix, 10% clasts, lower contact gradational.	12,3.7	28-40
Diamicton: 5Y4/2, silt matrix, 10% clasts, very fissile and compacted, lower contact gradational.	5,1.5	40-45
Diamicton: 5Y4/1, clay/silt matrix, cohesive, massive, 10% clasts, wood fragment at 50 ft.	11.5,3.5	45-56.5
Bedrock:	5.5,1.7	56.5-62

Borehole 37: 50°02'00", 82°10'10", Harmon Township, NTS 42 J/1, Depth drilled 77 feet (23.5 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: pebbly sand/gravel road fill.	2.5,0.8	0-2.5
Diamicton: fine sand and silt, minor pebbles,	2.5,0.8	2.5-5

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poorly consolidated, may be road bed, weakly laminated clay at base with disseminated organics, oxidized, sharp lower contact.		
Sand: poorly sorted, coarse sand, cobbles, fines downward to medium, pebbly sand.	1,0.3	5-6
Diamicton: 10YR6/4, large cobble in organic-bearing clay marks upper contact, fine sand to silt matrix, moderately cohesive, becomes fissile at base, 10% clasts, sharp lower contact.	4.5,1.4	6-10.5
Sand: fine to medium-grained, massive, 10YR6/4.	11,3.4	10.5-21.5
Sand/silt: 1cm-thick clay/silt laminae, sharp contacts.	1,0.3	21.5-22.5
Sand: massive, medium sand, highly oxidized, 10YR 7/4, rare clay clasts.	1.5,0.5	22.5-24
Silt/clay: 5Y5/2, massive, sharp contacts.	1,0.3	24-25
Sand: massive, coarse-grained, 2.5Y7/4, lower contact sharp.	4,1.2	25-29
Diamicton: massive, clay/silt matrix, 5Y6/2, <10% clasts, very cohesive, rare discontinuous silt wisps/partings through unit, fining downcore to clay-rich, cobbles up to 20cm below 59 ft., some striated, 5Y4/2 at base.	43,13.1	29-72
Bedrock: gneiss.	5,1.5	72-77

Borehole 38: 50°02'10", 82°09'55", Harmon Township, NTS 42 J/1, Depth drilled 72 feet (21.9 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: sandy silt road bed.	2,0.6	0-2
Diamicton: massive, silt/clay matrix, <5% clasts, 10YR5/3, mottled, very cohesive, sharp contacts.	3,0.9	2-5
Sand: oxidized, interbedded medium to coarse sand, graded beds average 0.5m thick, locally pebbly, minor layers of massive, silty clay, sharply bounded.	19,5.8	5-24
Diamicton: massive, locally fissile with rare silt wisps, 5Y5/2, <5% clasts, mostly pebbles, granules, contacts sharp, no textural change through unit.	36.5,11.1	24-60.5
Sand/gravel: coarse-grained, poorly sorted, sharp lower contact.	3,0.9	60.5-63.5
Sand: fine to medium sand, minor granules, 5Y6/1.	1.5,0.5	63.5-65
Bedrock: Biotite gneiss.	7,2.1	62-72

Borehole 39: 50°04'30", 82°10'40", Harmon Township, NTS 42 J/1, Depth drilled 99 feet (30.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: pebbly, coarse road fill.	0.5,0.1	0-0.5
Diamicton: clay/silt matrix, <5% clasts, cohesive, 10YR4/2 mottled, oxidized, sharp lower contact.	1,0.3	0.5-1.5
Sand: poorly sorted, loose, cobbly, lower contact gradational.	0.5,0.1	1.5-2

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Diamicton: Clay/silt matrix, <10% clasts, mostly granules, very cohesive, fissile, 5Y5/2, upper contact mottled, lower contact marked by large cobble.	8,2.4	2-10
Sand: coarse-grained, poorly sorted, minor silt, abundant pebbles, sharp lower contact.	3,0.9	10-13
Diamicton: silt/clay matrix fines downward to clayey, 5Y5/2, 5-10% granule clasts, fissile, more cohesive and blocky downcore, lower contact gradational.	5,1.5	13-18
Clay: massive, 5Y4/2, <1% clasts somewhat blocky, contacts gradational.	3.5,1.1	18-21.5
Diamicton: silt/fine sand matrix, 15% clasts up to 6cm cobbles, sand inclusion at 23 ft., 5Y4/2, very cohesive.	12,3.7	21.5-33.5
Diamicton: fine sand matrix, 10% clasts, 5Y4/2, mottled, oxidation spots, moderately compact, massive, gradational contacts.	12.5,3.8	33.5-46
Diamicton: silt/fine sand matrix, 5Y5/2, moderately fissile, cohesive, clast content variable, <5-10%, lower contact sharp.	5,1.5	46-51
Diamicton: silt/fine sand matrix, very cohesive, fissile, 5Y5/2, 10% clasts. lower contact sharp.	7.5,2.3	51-58.5
Sand: massive, medium sand fines downward to silty sand, 3cm of contorted clay and silt at top of unit, 5Y5/2.	1.5,0.5	58.5-60
Diamicton: 5Y4/2, variable in cohesiveness from moderate to extreme, 5-10% clasts, rare cobbles up to 6cm., locally fissile, lower 20 cm may be pulverized bedrock.	26,7.9	60-86
Bedrock: fossiliferous, impure limestone.	13,4	86-99

Borehole 40: 50°05'35", 82°11'50", Harmon Township, NTS 42 J/1, Depth drilled 86 feet (26.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: loose road bed, sharp lower contact.	3,0.9	0-3
Diamicton: massive, silt/clay matrix, 10% clasts, mottled, 5Y4/3, lower contact sharp.	1.5,0.5	3-4.5
Sand: 5Y6/2, poorly sorted, fine to pebbly sand, oxidized.	2,0.6	4.5-6.5
Diamicton: silt/clay matrix, 5Y4/2, fissile, cohesive, 5-10% clasts, contacts sharp.	5.5,1.7	6.5-12
Sand: medium to coarse, massive, minor silt, pebbles, fines downward, oxidized at top.	3,0.9	12-15
Diamicton: silt/fine sand to silt/clay matrix, 5-10% clasts up to 3cm., variable cohesiveness, fissile where most compact, fines downward, contacts sharp.	12,3.7	15-27
Diamicton: 5Y4/2, silt/clay matrix, 5% clasts, extremely compact, boulder 27.5-28 ft., locally fissile, lower contact sharp.	11,3.4	27-38
Sand: medium to fine sand with silt, 5Y4/2.	1,0.3	38-39
Diamicton: fines downward from fine sand to silt/clay matrix, 5Y5/2, 5-10% clasts, moderately cohesive, contacts sharp.	8,2.4	39-47
Gravel: poorly sorted gravel/coarse sand	0.5,0.2	47-

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with cobbles to 6cm., massive, lower contact unclear.		47.5
Diamicton: sandy matrix, 5Y5/2, 5-10% clasts, pebbles up to 3 cm., moderately cohesive and fissile, fines downward.	10.5,3.2	47.5-58
Diamicton: clay/silt matrix, very compact, 5Y3/2, 10% clasts up to 6cm, locally very fissile, upper contact abrupt.	23,7	58-81
Bedrock:	5,1.5	81-86

Borehole 41: 50°04'40", 82°10'50", Harmon Township, NTS 42 J/1, Depth drilled 84 feet (25.6 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Gravel: oxidized, road bed.	3,0.9	0-3
Diamicton: clay matrix, oxidized, 10YR5/3, 10% granule clasts, minor cobbles, fissile at base.	4,1.2	3-7
Sand: coarse, pebbly, 2.5Y6/4, sharp contacts, no fines in matrix.	1,0.3	7-8
Diamicton: clay matrix, 2.5Y6/4, massive, contacts sharp, 10% clasts.	3,0.9	8-11
Sand: medium to fine sand, coarsening downward, oxidized, mottled, 2.5Y6/4.	1,0.3	11-12
Diamicton: silt/clay matrix, oxidized at top, 5Y5/3, 8-12% clasts, fissile/blocky for top part of unit, sharp contacts, lower contact marked by large cobble, abundant carbonates.	11,3.4	12-23
Sand: pebbly sand with fines grades down into fine sand/silt, 5Y5/1, lower contact mottled, sharp, clay-rich.	3,0.9	23-26
Diamicton: sand matrix, poorly cohesive, 5Y5/2, 5% clasts, fissile, lower contact gradational.	3,0.9	26-29
Sand: massive, fine-grained, 5Y5/1, lower contact interfingers with diamicton.	3,0.9	29-32
Diamicton: sand/silt matrix, colour variable, 5Y6/2-5Y5/1, very compact, fines downward into clay matrix, 10-15% clasts, abundant carbonates, sharp lower contact.	14.5,4.4	32-46.5
Sand/silt: interbedded fine sand/silt and clay layers about 2cm, grades downward into interbeds of stony, clay-rich diamicton up to 10cm, minor interlayers and clasts of white kaolin clay.	11,3.4	46.5-57.5
Silt: well sorted, blocky, minor pebbles at base, grades downward into diamicton-like at base, clasts of kaolin clay, lower contact abrupt, irregular.	3.5,1.1	57.5-61
Kaolin: blue-white, clean kaolin clay, local clay concretions, Cretaceous.	18,5.5	61-79
Bedrock: fossiliferous, clastic carbonate.	5,1.5	79-84

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Borehole 42: 49°19'15", 82°21'10", Swanson Township, NTS 42 G/8, Depth drilled 120.5 feet (36.7 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Clay: massive, mottled, oxidized, may be reworked by road building, peat layer at base.	4,1.2	0-4
Clay/silt: finely laminated, mottled at top, <2% clasts, pebbles diminish toward base, lower contact gradational, cohesive, colour banded, 7YR5/3 at top, 2.5Y4/2 at base.	11,3.4	4-15
Clay: massive, no clasts, sticky, highly drilling disturbed, 5Y5/2.	7,2.1	15-22
Clay: laminated, cohesive, oxidized, disseminated organics, sharp contacts.	1,0.3	22-23
Clay: massive, sticky, 5Y5/2, rare silty lenses, 5mm red clay clasts at 45 ft., rare pebbles, increase slightly downward, 3cm clast with rind of oxidized clay at 52 ft., extremely sticky from 60-79 ft., rare silt lenses and clay intraclasts below 60 ft., minor pebbles and sand below 82 ft., gradational, discontinuous silt/clay ocuplets from 93-95ft., rare pebbles in massive clay at base of unit, lower contact sharp.	81,25	23-104
Silt/sand: 5mm-thick silt and clay laminae overlying 10cm of massive, fine-grained sand, lower contact sharp.	1,0.3	104-105
Clay: massive, <1% granules, well sorted, cohesive.	4,1.2	105-109
Sand: massive, minor granules and clay at base, very fine-grained, coarsens downward, 6cm layer of massive clay at 109.5 ft.	6.5,2	109-115.5
Bedrock:	5,1.5	115.5-120.5

Borehole 43: 49°00'20", 82°~~0~~28'10", Fenton Township, NTS 42 G/1, Depth drilled 145 feet (44.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand/silt: pebbly road fill.	1.5,0.5	0-1.5
Clay: massive, blocky, oxidized, 2.5Y5/4, minor sand/silt lenses, plant roots, mottled.	1.5,0.5	1.5-3
Clay: massive to faintly laminated, <2% mixed lithology clasts, mottled, 2.5Y6/4, lower contact sharp.	5,1.5	3-8
Diamicton: sand/silt matrix, abundant large cobbles, boulder at 9ft., 15-20% clasts, oxidized, 10YR5/4, lower contact at boulder.	5.51.7	8-13.5
Sand: massive, consistently fine-grained, no clasts, rare silty lenses, 5Y7/2, lower contact sharp.	24.5,7.5	13.5-38
Diamicton: 5Y5/1, sand/silt matrix, very stony, very cohesive, large cobbles at top, fissile, rounded, striated carbonates, lower contact at gneiss boulder.	13.5,4.1	38-51.5
Sand/gravel: very poorly sorted interval of bouldery sand, locally diamicton-like, washed	4.5,1.4	51.5-56

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by drilling, lower contact at thin layer of sandy matrix diamicton, 25% clasts, greenish.		
Sand: medium-grained, sharply bounded.	1,0.3	56-57
Diamicton: 5Y5/1, bouldery, upper contact at boulder, very compact, fissile, 10% granules, abundant crystalline lithologies, lower contact sharp.	3,0.9	57-60
Sand: medium-grained, 5% pebbles, well sorted.	3,0.9	60-63
Diamicton: silt matrix, 20% clasts, abundant cobbles/boulders at top of unit, locally fissile, medium sand layer at 59 ft., 5Y4/2, matrix sandy downcore, clast content decreases downcore, 5Y5/2 below 72 ft., very cohesive, lower contact at boulder.	8.5,2.6	63-71.5
Diamicton: massive, sand/silt matrix grades downward into sandy, 5Y4/2, 10% clasts, very cohesive lower contact gradational, rare silt and clay clasts.	20.5,6.2	71.5-92
Sand: well sorted, medium sand, 5Y7/1, few pebbles, lower contact sharp.	5,1.5	92-97
Diamicton: fine sand/silt matrix, massive, 10% clasts, abundant quartz granules, green-grey colour has incorporated local saprolite, oxidized along parting planes, large cobbles at top.	1,0.3	97-98
Boulder: gneiss, green colour.	6,1.8	98-104
Sand: fine-grained, massive, green, may be ground-up bedrock but sorted.	1,0.3	104-105
Saprolite: dark blue-green, highly foliated, micaceous, soft, alternates with rusty-brown weathered intervals, did not recover any unaltered basement rock.	40,12.2	105-145

Borehole 44: 49°15'50", 81°15'35", Leitch Township, NTS 42 H/6, Depth drilled 23 feet (7.0 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Diamicton: silt/clay to clay matrix, 2% clasts to 5% pebbles at base, moderately cohesive, 10YR 5/4, mottled, sharp lower contact, oxidized, mixed lithologies.	8.5,2.6	0-8.5
Clay/silt: weakly laminated at top, 5% clasts at top decrease downward to 2%, massive in general, well defined rhythmites at 8.5-9 and 10.5-11 ft., lower contact sharp.	4,1.2	8.5-12.5
Diamicton: 5Y6/1, poorly cohesive, sandy matrix, massive, 10-15% clasts up to 4cm, lower contact sharp.	3.5,1.1	12.5-16
Diamicton: fine sand/silt matrix, mottled, cohesive, 10-15% clasts, rounded carbonates, abundant green saprolitic/chloritic material incorporated.	0.5,0.2	16-16.5
Bedrock:	6.5,2	16.5-23

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Borehole 45: 49°13'35", 81°13'50", Leitch Township, NTS 42 H/3, Depth drilled 80 feet (24.4 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Clay/silt: very disturbed, locally clast-rich, abundant peat and roots, fissile, poorly cohesive, may be slump, contact abrupt.	5,1.5	0-5
Silt/clay: thin, peaty layers at top, <2% clasts up to pebble-size, oxidation spots to 10 ft., 5Y5/2 to 2.5Y5/4, minor sand lenses, lower contact sharp, massive.	5,1.5	5-10
Silt/clay: rhythmites, 6-7cm thick, well defined, unoxidized, sharp contacts.	3,0.9	10-13
Diamicton: sand matrix, massive, organic bed at 15 ft., 10-15% clasts up to 3cm, 5Y5/2, lower contact sharp.	19,5.8	13-32
Sand: massive, coarse-grained, pebbly, minor fines, grades down to fine sand at 40 ft., no clasts at base of unit.	10,3	32-42
Silt/clay: finely laminated, <2% granules, sharp contacts, 25cm-thick sand layer at 44.5 ft.	3.5,1.1	42-45.5
Sand: massive medium to fine sand, 5Y5/2, 5% granules and pebbles up to 5cm, grades downward into coarse, granular sand with minor silt 71-73 ft., sharp lower contact.	27.5,8.4	45.5-73
Diamicton: 5Y6/2, massive, moderately compact, 15-20% clasts up to 5cm, silt matrix.	1,0.3	73-74
Bedrock:	6,1.8	74-80

Borehole 46: 49°12'10", 81°12'10", Leitch Township, NTS 42 H/3, Depth drilled 115 feet (35.1 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Clay/silt: interbedded clay, silt and peat, <2% clasts in upper 1m, granules, 2.5Y7/2, sandy with disseminated organics and pebbles in lower part of unit, may be reworked by slumping, road building.	6,1.8	0-6
Clay/silt: contorted, fine laminae, <5% clasts up to 3cm, 10YR5/3, large cobble at lower contact.	3,0.9	6-9
Diamicton: fine sand matrix, 5Y4/1, 10% clasts up to 7cm, poorly cohesive, stratified for lower 2m, lower contact sharp.	20,6.1	9-29
Sand: massive, medium sand, 5Y6/1, sharp lower contact.	2,0.6	29-31
Sand/silt: interbedded fine to medium sand, minor pebbles, clay clasts, silt layer 10cm-thick, lower contact gradational.	9,2.7	31-40
Silt: massive, minor clay clasts, faint layering below 40 ft., sharp upper contact, 5Y6/1, thin clay laminae, 2-3cm-thick, spaced from 1-1.7m apart, 72-88 ft., rare pebbles associated with clay layers, sharp lower	45,13.7	40-95

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contact.		
Diamicton: sand matrix, moderately cohesive, 20% clasts, rare clasts up to 6cm, grades downward into silt matrix, clast content decreases downcore, 5Y6/2.	10,3	95-105
Sand: massive, coarse sand, minor clasts up to 4cm, sharp contacts.	2,0.6	105-107
Diamicton: sandy matrix, very clast-rich, 5Y6/2, cohesive, mixed lithologies.	3,0.9	107-110
Bedrock:	5,1.5	110-115

Borehole 47: 48'34'25", 81'35'25", Jamieson Township, NTS 42 A/12, Depth drilled 96 feet (29.3 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand/clay: mixed road bed/tailings material, abundant surface organics.	3,0.9	0-3
Clay/silt: oxidized, 2.5Y6/2, 1cm-thick graded couplets, contorted layer at 3 ft.	1,0.3	3-4
Clay/silt: graded rhythmites 1.5-3 cm-thick, unoxidized, 5Y5/2, couplets thicken and coarsen downward, lower contact sharp.	6,1.8	4-10
Clay: 5mm-thick clay laminae, no silt.	1,0.3	10-11
Clay/silt: graded couplets 2-3cm at top to 5cm-thick at base, thick clay beds at base, unoxidized, lower contact sharp.	7,2.1	11-18
Clay: highly contorted rhythmites, predominantly clay, minor silt, lower contact gradational.	6,1.8	18-24
Clay/silt: graded couplets 3-4cm thick, thicken and coarsen downward, silt layers to 5cm, clay 1cm-thick at base, lower contact gradational.	11,3.4	24-35
Silt: massive, 35-37 ft., 4-5cm clay layer at 38 ft., lower contact sharp.	6,1.8	35-41
Sand: massive, fine-grained, lower contact sharp.	1.5,0.5	41-42.5
Diamicton: sand matrix, pebble-rich, 10-15% clasts, unoxidized, 5Y5/2, massive, boulder at 50 ft., fissility and silt bands below boulder, local oxidation staining at 52 ft., 10YR4/6, moderately cohesive and fissile at base, lower contact sharp.	23,7	42.5-65.5
Sand: medium, granular sand, sharp contacts.	0.5,0.2	65.5-66
Diamicton: sand matrix, 5% clasts, cohesive, 5Y5/2.	3,0.9	66-69
Sand: fine to medium sand, well sorted, sharp contacts.	0.5,0.2	69-69.5
Diamicton: sand/silt matrix, oxidized along fracture planes 70-78 ft., moderately to very cohesive, more fines in matrix than above unit, blocky, massive toward base, fissile above bedrock 5-10% clasts, 15% large pebbles/cobbles above bedrock.	18.5,5.6	69.5-88
Bedrock: fresh pyrite, very broken up, some rocks appeared rounded as in a fluvial deposit, *in situ* bedrock may not have been reached.	8,2.4	88-96

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Borehole 48: 48°34'37", 81°35'20", Jamieson Township, NTS 42 A/12, Depth drilled 45 feet (13.7 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Gravel: mixed tailings/road bed, built-up.	4,1.2	0-4
Peat: organics buried below road.	1,0.3	4-5
Silt/clay: mottled, organic-bearing, massive, thin (<5mm) colour bands/stratification at 9 ft., lower contact sharp.	4,1.2	5-9
Clay/silt: 4 cm thick, graded beds, lower contact sharp.	5,1.5	9-14
Clay/silt: graded couplets, thicken downward from 1.5-3 cm, lower contact abrupt.	6,1.8	14-20
Clay/silt: very contorted laminae, lower contact gradational.	1,0.3	20-21
Clay: planar laminated (<5mm-thick), lower contact gradational.	1,0.3	21-22
Silt/clay: 1-2cm silt layers with minor clay, coarsen and thicken downward below 25 ft., grades to massive silt with minor clay layers 31-34 ft., sharp lower contact.	12,3.7	22-34
Diamicton: poorly consolidated, sand matrix, 10-15% clasts, 5Y5/2, sharp lower contact.	5,1.5	34-39
Diamicton: moderately cohesive compared to above unit, silt/fine sand matrix, 5% clasts up to 1cm, mixed lithologies, local bedrock clasts common.	1,0.3	39-40
Bedrock:	5,1.5	40-45

Borehole 49: 48°34'45", 81°35'57", Robb Township, NTS 42 A/12, Depth drilled 41 feet (12.5 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Gravel: mixed tailings and sand on built-up road bed.	4,1.2	0-4
Sand: fine to medium sand, oxidized to 6 ft., very coarse pebbly sand 6-6.5 ft., fines downward to silty, fine sand, lower contact sharp.	5,1.5	5-9
Clay/silt: 1cm graded couplets at top, grade downward to 2-3cm-thick rhythmites by 11 ft., lower contact sharp.	2,0.6	9-11
Clay/silt: uniform 1-1.5cm graded couplets, thinning and coarsening downward, silty layers near base, sharp lower contact.	3.5,1.1	11-14.5
Clay: extremely thin laminae (<5mm), lower contact abrupt.	0.5,0.2	14.5-15
Silt/clay: variable thickness rhythmites, 1-1.5cm to 16 ft., 2-3cm to 17 ft., 0.5-1.5cm to 18.5 ft., lower contact sharp.	3.5,1.1	15-18.5
Silt/clay: thin, convoluted rhythmites.	0.5,0.2	18.5-19
Clay/silt: 1-3cm graded couplets, thicken and coarsen downward, contacts sharp.	2.5,0.8	19-21.5
Silt/clay: very convoluted silt/clay beds, grades downward to silty, lower contact gradational.	0.5,0.2	21.5-22

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Silt: massive, with minor clay beds at 23.5 and 24.5 ft., may be large-scale rhythmites to 25cm-thick, lower contact sharp.	3,0.9	22-25
Diamicton: poorly cohesive, sandy matrix, 10% clasts, mostly granules to pebbles, 5Y5/1, coarsens downward, abundant local lithologies.	11,3.4	25-36
Bedrock: fine-grained, metavolcanic with visible, abundant sulphide minerals.	5,1.5	36-41

Borehole 50: 48°34'50", 81°35'55", Robb Township, NTS 42 A/12, Depth drilled 37 feet (11.3 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Gravel: road bed of mine debris.	1,0.3	0-1
Sand: very oxidized, medium sand, fines downward to fine sand at base, sharp lower contact at boulder (5-6 ft.).	5,1.5	1-6
Sand/silt: massive, minor clay, colour banding suggests weak stratification, mottled, lower contact gradational.	2,0.6,	6-8
Diamicton: sand/silt matrix, very disturbed-looking (may be drill-induced), abundant large pebbles, locally colour banded, oxidized along lower, abrupt, contact, 2.5Y6/3.	2,0.6	8-10
Diamicton: sand matrix, massive, poorly cohesive, 5Y5/1, 5-10% clasts, slightly oxidized at top, lower contact gradational.	10,3	10-20
Diamicton: silt matrix, fissile, silt wisps at upper contact, very compact, 15% clasts, more large clasts than above unit, abundant carbonates, 5Y4/1.	12,3.7	20-32
Bedrock: broken-up mixture of unweathered and saprolitic bedrock, drill-induced deformation suspected.	5,1.5	32-37

Borehole 51: 48°34'58", 81°36'10", Robb Township, NTS 42 A/12, Depth drilled 93 feet (28.3 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Silt: aeolian veneer of fine materials.	0.5,0.2	0-0.5
Sand: medium-grained sand, oxidized to 12 ft., 2.5Y7/2, unoxidized below 12 ft., 5Y6/1, coarse to medium sand below 6 ft., fines downward to massive, fine sand at base, sharp lower contact.	27.5,8.4	0.5-28
Clay: massive, 6cm cobble at lower, sharp contact, no other clasts.	2,0.6	28-30
Silt/clay: 1cm-thick graded couplets at top, thickens downward to 3cm and coarser, no clasts, lower contact gradational.	5,1.5	30-35
Clay/silt: thin (1cm), clay-rich couplets, uniform, coarsens slightly downcore, lower contact abrupt.	5,1.5	35-40
Silt/clay: highly deformed convoluted laminations, laminae are less distinct at base of unit, lower contact gradational.	4.5,1.4	40-44.5
Silt: massive, 5Y5/2, no clasts, rare, thin	22.5,6.9	44.5-

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clay layers, minor fine sand incorporated, no apparent bedding, lower contact sharp.		67
Diamicton: sandy matrix, poorly cohesive, abundant granules, pebbles up to 1cm, 10-15% clasts, 5Y6/2, massive, lower contact abrupt (at end of core bag).	5,1.5	67-72
Diamicton: fissile, very cohesive, local, discontinuous silt wisps, silt/fine sand matrix, clast content variable, up to 20%, abundant pebbles 1-2cm, abundant local lithologies, 5Y5/2, massive at base.	16,4.9	72-88
Bedrock: fine-grained, mafic volcanic rock, minor pyrite.	5,1.5	88-93

Borehole 52: 48°34'55", 81°35'56", Robb Township, NTS 42 A/12, Depth drilled 117 feet (35.7 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: coarse to medium sand at top, sharp contact with fine sand at 6 ft., oxidized to 7 ft., fining downward, lower contact abrupt.	34,10.4	0-34
Sand/silt: interbedded silt/clay laminae and sand in 3-4cm couplets, thickens downcore, to massive silt layers, lower contact sharp.	5,1.5	34-39
Clay: thickly laminated (4cm), graded clay, lower contact abrupt.	2,0.6	39-41
Clay/silt: thinly laminated silt and clay (<1cm) at top, thickens slightly downcore, uniform, minor fine sand lenses, lower contact abrupt.	6,1.8	41-47
Clay/silt: 1cm-thick clay beds are highly convoluted, lower contact sharp.	1,0.3	47-48
Clay/silt: <1-2cm-thick graded couplets, thicken downcore, uniform to 52 ft., irregular thickness and slightly convoluted below 52 ft., lower contact sharp.	8,2.4	48-56
Silt: massive, 2cm clay bed below 56 ft., 5cm clay bed at 61 ft., 4cm of laminated silt/clay at base of unit above sharp contact.	11,3.4	56-67
Diamicton: sandy matrix, saturated, poorly consolidated, 10-15% pebbles/granules, cobble at 82 ft., silty stratification between 86 and 87 ft., 5Y5/1, massive, lower contact sharp.	20.5,6.2	67-87.5
Diamicton: fissile at top, 15-20% clasts, sand/silt matrix, very cohesive, 5Y5/2, abundant cobbles of local lithologies at base.	24.5,7.5	87.5-112
Bedrock:	5,1.5	112-117

Borehole 53: 48°34'59", 81°35'40", Jamieson Township, NTS 42 A/12, Depth drilled 96 feet (29.3 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: aeolian veneer of very fine sand.	0.5,0.2	0-0.5
Sand: massive, fine to medium sand, fining downward, 2.5Y6/2, oxidized to 5 ft., well sorted, disseminated organics around 43 ft.,	44.5,13.4	0.5-45

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lower contact sharp, weakly layered at base.		
Clay/silt: 2-3cm graded couplets, mostly clay, fining downward, lower contact gradational.	4,1.2	45-49
Clay/silt: finely laminated (1-1.5cm) clay and silt, siltier toward base, very clay-rich 54-54.5 ft., thickening downward to 2cm, contact is gradational.	9,2.7	49-58
Clay/silt: 2-3cm-thick rhythmites, very contorted and ripped-up, clay layers visible at top but decrease downward, more silt toward base, lower contact gradational.	7,2.1	58-65
Silt: massive silt, minor clay layers may represent 30cm-thick graded couplets, contorted 6cm-thick clay bed at 69.5 ft., lower contact sharp, at 3cm pebble.	9.5,2.9	65-74.5
Diamicton: massive, sand/silt matrix, 15% clasts, mostly granules, striated carbonate pebbles, moderately cohesive, local silty partings, lower contact abrupt, 5Y5/1.	5.5,1.7	74.5-81
Diamicton: silt matrix, very fissile, very cohesive, 15% clasts, abundant larger clasts, large, angular, 6cm cobbles at upper contact, minor oxidation along fractures, 5Y5/1, lower contact sharp.	8,2.4	81-89
Saprolite: green, sheared, locally-derived debris, 5Y5/4, grades downward into very weathered-looking, rusty-brown, clastic material, lower contact sharp.	2,0.6	89-91
Sand: sorted, medium-grained sand.	1,0.3	91-92
Saprolite: as above, 2.5Y6/4, angular clasts except for a rounded carbonate, matrix at base is like peanut butter, very bottom of core intersected some highly disturbed, but unweathered bedrock, metavolcanic.	4,1.2	92-96

Borehole 54: 48°34'58", 81°34'35", Jamieson Township, NTS 42 A/12, Depth drilled 80 feet (24.4metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: medium sand, abundant pebbles and granules, sharp lower contact, oxidized, ripped-up clay bed at base.	11,3.3	0-11
Silt/clay: rythmites, 1cm-thick, oxidized to 12 ft., 10YR5/3, mottled, lower contact sharp.	1,0.3	11-12
Clay/silt: thickly laminated (5-6cm) graded couplets, minor silt, rare silty clasts, fine sand layer at 14 ft., lower contact abrupt.	2.5,0.8	12-14.5
Silt/sand: silt/fine sand couplets up to 6cm thick, deformed by drilling, lower contact sharp.	1.5,0.5	14.5-16
Diamicton: sandy matrix, poorly cohesive, 10-15% granule clasts, 5Y5/1, abundant carbonates, clast content decreases downcore, massive, very uniform, texture, lower contact sharp.	56.5,17.2	16-72.5
Sand: medium to coarse, pebbly sand, lower	1.5,0.5	72.5-

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contact sharp.		74
Diamicton: sandy matrix, 20% clasts, mostly local lithologies, 5Y5/2, reworked by drill.	1,0.3	74-75
Bedrock:	5,1.5	75-80

Borehole 55: 48°35'08", 81°35'15", Jamieson Township, NTS 42 A/12, Depth drilled 82 feet (25 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: fine to medium sand, oxidized to 16 ft., disseminated organics and lenses 16-20 ft., fine sand below 16 ft. fines downward to very fine sand/silt at base, locally bedded, lower contact gradational.	38,11.6	0-38
Silt/sand: thinly laminated.	0.5,0.2	38-38.5
Clay : very finely laminated, no silt, sharp contacts.	0.5,0.2	38.5-39
Clay/silt: 1cm-thick graded couplets, minor silt, lower contact abrupt.	1,0.3	39-40
Clay/silt: 2-4cm, clay-rich couplets.	1.5,0.5	40-41.5
Clay/silt: clay-rich rhythmites, thicken downward from 0.5-1cm, sharply bounded.	5.5,1.7	41.5-47
Clay/silt: very convoluted rhythmites, 1cm thick, grades down into planar laminated couplets.	1,0.3	47-48
Clay: very thin (<5mm) clay laminae, lower contact gradational.	0.5,0.2	48-48.5
Silt/clay: thickening, coarsening downward silt/clay rhythmites, silty with thick, graded clay beds by 55 ft., rhythmites grade downward into a jumble of contorted couplets below 55 ft., irregular bedding 55-69 ft., silt beds up to 25cm-thick with abundant clay rip-up clasts toward base, lower contact sharp.	20.5,6.2	48.5-69
Diamicton: 5Y5/1, sandy matrix, 5% clasts, poorly cohesive and distorted by drill, lower contact gradational.	5,1.5	69-74
Diamicton: 5Y5/2, sand/silt matrix, cohesive, locally fissile, poor recovery.	3,0.9	74-77
Bedrock:	5,1.5	77-82

Borehole 56: 48°35'10", 81°35'35", Jamieson Township, NTS 42 A/12, Depth drilled 63 feet (19.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: oxidized to 7 ft., medium sand, fines downward to fine sand, massive, lower contact sharp.	23,7	0-23
Clay/silt: very thin (<5mm) clay laminae, discontinuous silt layers, lower contact gradational.	0.5,0.2	23-23.5
Clay/silt: 2-3cm-thick rhythmites, 10% silt, thicknen downcore.	1.5,0.5	23.5-25
Clay/silt: somewhat variable thickness, graded couplets, 0.5-1cm, coarsens downward, sharply bounded.	5,1.5	25-30
Clay: very thin (<5mm) clay laminae, sharp	0.5,0.2	30-

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contacts.		30.5
Clay/silt: thickening downward rhythmites, to 2cm, more clay-rich at base, lower contact abrupt.	3.51.1	30.5-34
Clay/silt: highly distorted, clay laminae and thick silt beds, very soft core, poorly preserved structures, silt-rich at base, lower contact gradational.	4,1.2	34-38
Silt: massive, rare clay rip-up clasts, thin intact clay layer at 40 and 42 ft., lower contact distorted by drill.	9,2.7	38-47
Diamicton: 5Y5/1, sand matrix, poorly cohesive, 5-10% clasts, mostly granules and small pebbles, striated carbonates, local lithologies abundant at base, cobble at 55 ft.	11,3.3	47-58
Bedrock:	5,1.5	58-63

Borehole 57: 48'34'56", 81'35'30", Jamieson Township, NTS 42 A/12, Depth drilled 142 feet (43.3 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: medium sand, oxidized to 7 ft., fines downward to fine sand 25-40 ft., gradational interval of pebbly sand 33-36 ft., very fine sand and silt 40-45 ft., massive, lower contact sharp.	45,13.7	0-45
Silt: silt/minor clay couplets, thin down-core from 3-2cm, mostly silt, lower contact sharp.	5,1.5	45-50
Clay: very thinly laminated (<5mm) clay-rich couplets, gradational lower contact.	2,0.6	50-52
Clay/silt: 1-1.5cm thick, clay-rich couplets, thicken downward to 3-4cm, lower contact gradational.	5,1.5	52-57
Clay/silt: 1-1.5cm graded couplets, coarsen downward to more silty, sharp lower contact.	6,1.8	57-63
Clay: <5mm-1cm thin clay laminae, grade downward into 1-2cm, silt-poor rhythmites, lower contact gradational.	2,0.6	63-65
Clay/silt: clay layers become progressively more ripped-up or convoluted downcore, couplets 3.5cm clay/0.5cm silt by 69 ft., grades down into thick beds of silt with clay clasts 69-79 ft., very soft, soupy core, one layer of contorted clay within planar laminated couplets at 67 ft., lower contact abrupt.	14,4.3	65-79
Sand: coarse sand over cobble lag, lower contact sharp.	1,0.3	79-80
Diamicton: 5Y5/2, sandy matrix, locally silty, 5-10% clasts, sharp lower contact	30,9.1	80-110
Diamicton: silt matrix, very fissile, very cohesive, oxidized along contact and fractures below, local oxidation spots, 2.5Y6/4, interval of well-sorted fine sand 115-116 ft., clast content variable through core 5-10%, mostly granules, rare large pebbles, increases down-core, blocky at base.	27,8.2	110-137

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Bedrock: abundant sulphide-rich stringers, pyrite, chalcopyrite.	5,1.5	137-142

Borehole 58: 48°35'38", 81°37'12", Robb Township, NTS 42 A/12, Depth drilled 145 feet (44.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: fine to medium sand, oxidized at top, sharp lower contact.	30.5,9.3	0-30.5
Clay/silt: thinly laminated (<5mm) clay-rich couplets, 10YR5/2, oxidized to 31 ft., lower contact sharp.	0.5,0.2	30.5-31
Clay/silt: uniform couplets, 0.5-1cm-thick, thickens downward to irregular, 2cm rhythmites 33.5-35 ft., gradational lower contact.	4,1.2	31-35
Clay/silt: uniform 1-1.5cm rhythmites, convoluted rhythmites 35-36.5 ft., increase in silt content downcore, clay layers thicken to 3cm by 39 ft., lower contact sharp.	4,1.2,	35-39
Clay: thick clay beds with minor silt lenses, convoluted interbeds, clay-rich, lower contact abrupt.	1,0.3	39-40
Silt/clay: highly contorted silt and clay, soft core, grades downward into silt interbedded with fine sand and rare clay rip-up clasts 42-46 ft., lower contact gradational.	5,1.5	40-45
Sand: fine sand, disseminated organics, lower contact sharp.	10,3	45-55
Sand: medium sand, minor coarser intervals, disseminated, mossy, organics, lense of organic-rich material at 63 ft., faint bedding with organics along bedding planes below 63 ft., more fine sand in lower part of unit.	31,9.5	55-86
Boulder: crystalline.	5,1.5	86-91
Sand: pebbly fine to medium sand, very clast-rich below boulder, abundant carbonates, locally clast-supported, gravelly, massive, fine sand at base, fines downward, lower contact sharp with large pebbles.	17,5.2	91-108
Diamicton: sand/silt matrix, 10-15% small pebbles/granules, 5Y5/1, poorly cohesive, lower contact gradational.	11,3.3	108-119
Diamicton: very cohesive, 15% clasts, small pebbles to cobbles, 5Y5/2, angular, local clasts at base, fresh pyrite, unoxidized, local oxidized lenses at edge of core, striated ultramafic cobble at 121 ft.	21,6.4	119-140
Bedrock:	6,1.8	140-146

Borehole 59: 48°49'15", 81°43'36", Geary Township, NTS 42 A/13, Depth drilled 87 feet (26.5 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: medium to coarse-grained, oxidized, surface may be road bed.	7,2.1	0-7

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Peat: sharp upper contact, gradational lower contact, massive.	1,0.3	7-8
Clay/silt: thinly laminated clay and silt, interbeds up to 4cm of peat/organics, unoxidized, sharp lower contact.	6,1.8	8-14
Clay: massive, well sorted, sticky, some granules or rare pebbles at top, fines downward, lower contact sharp.	8.5,2.6	14-22.5
Silt/clay: convoluted rhythmites, abundant clay rip-up clasts at top, grades downward to massive to laminated silt with rare pebble or clay clasts 23-30 ft., structureless, highly contorted silt 30-35 ft., coarsens downward to silt and fine sand at base, lower contact obscured by drilling.	17.5,5.3	22.5-40
Diamicton: sand matrix, 5Y6/2, 10-15% clasts, mostly granule to small pebble, coarsens downward to very pebbly/sandy at base, lower contact sharp.	12,3.7	40-52
Gravel/sand: gravel at top grades down to coarse pebbly sand, sharply bounded interval of clast-poor, fine sand 59-62 ft., lower contact sharp.	15.5,4.7	52-67.5
Diamicton: green-coloured, highly variable, up to 45% clasts, borderline clast-supported, abundant carbonates, boulder at lower contact, matrix silty to granular sand.	4.5,1.4	67.5-72
Sand: massive medium to coarse sand, well sorted, rare clasts, lower contact sharp.	6,1.8	72-78
Diamicton: upper contact marked by several large cobbles, very compact, oxidized, greenish from incorporation of saprolite, carbonates evident, sand/silt matrix.	2,0.6	78-80
Saprolite: highly weathered and soft, very thin slaty, micaceous layers of brown and green, no unaltered material recovered.	7,2.1	80-87

Borehole 60: 48°49'10", 81°41'00", Wilhelmina Township, NTS 42 A/13, Depth drilled 164 feet (50 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: coarse road bed material.	2.5,0.8	0-2.5
Clay: massive, sticky, <2% granules, rare pebbles at top, no apparent structure, grades downward to weakly laminated/bedded clay with few clasts and local contorted beds 33-56 ft., <1% clasts, small disseminated organic fragments in upper beds, lower contact gradational.	53.5,16.3	2.5-56
Silt/clay: highly turbated (convoluted) beds, predominantly clay, slightly more planar layers below 58 ft., some ripped-up silt beds, very soft, sticky core, lower contact sharp.	9,2.7	56-65
Sand: very granular sand and pebbles, well sorted coarse sand (grains 0.5-1mm) 95-110 ft.	45,13.7	65-110
Silt: abruptly bounded, laminated silt and	2,0.6	110-

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fine sand, 5Y5/1.		112
Gravel: cobbly gravel to very coarse sand, coarse pebbly sand with no cobbles 115-118 ft., lower contact sharp.	9,2.7	112-121
Sand: sorted fine sand at top coarsens downward to cobble gravel layer 141-142 ft., minor clay clasts and silt interbeds, small pebbly "lenses", irregular clast distribution, below 142 ft. sand coarsens downward to gravelly, medium sand at base of unit.	38,11.6	121-159
Bedrock: greenish, slaty, fine-grained metavolcanic with disseminated sulphides.	5,1.5	159-164

Borehole 61: 48'49'00", 81'46'08", Wilhelmina Township, NTS 42 A/13, Depth drilled 160 feet (48.8 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: organic rich, may be road fill at top, peat 3-6 ft., lower contact gradational.	6,1.8	0-6
Diamicton: clay-rich, fine sand matrix, 15% clasts, abundant cobbles/large pebbles, oxidized to 8 ft., 2.5Y4/2, brown colour bands to 19 ft., 5Y5/2, below 19 ft. appears to grade downward into fine sand and silt with fewer clasts, massive, slightly blocky, abundant carbonates, lower contact very gradational.	49,15	6-55
Sand: fine sand, disseminated organics, rare clasts, similar to matrix material in upper diamicton, lower contact gradational.	2,0.6	55-57
Sand/silt: fining downward, layered fine sand and silt, disseminated organics, lower contact sharp.	6,1.8	57-63
Sand: sorted, massive, medium sand, sharply bounded.	0.5,0.2	63-63.5
Sand/silt: 2.5-5mm-thick silt/fine sand laminae, some laminae defined to <1mm in thickness, organic-rich bands, thickening downward below 66 ft. to 1cm, mostly silt, lower contact gradational.	12.53.8	63.5-76
Silt/clay: stratified silt with clay rip-up clasts (probably former layers) to 83 ft., massive below 83 ft., organic-bearing, very cohesive, no pebbles or granules, sharp lower contact.	15,4.6	76-91
Sand: massive, fine sand, coarsens downcore to medium sand at base, locally oxidized, lower contact sharp.	4,1.2	91-95
Diamicton: clay matrix, extremely cohesive, blocky, 5% clasts, abundant carbonates, 5Y5/4, clasts are mostly small pebbles, lower contact gradational.	9,2.7	95-104
Silt/clay: very thinly laminated.	0.5,0.2	104-104.5
Sand: medium sand at top grades to fine sand with abundant finely divided organics, black, manganese-rich layer smelled of decomposition, fine to medium sand 105-108 ft., lower contact gradational.	3.5,1. 1	104.5-108

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Silt/clay: mostly silt with clay-rich interbeds, 5Y4/2, finely disseminated organics, lower contact gradational.	5,1.5	108-113
Silt/sand: interbedded silt/fine to medium sand, minor brown, organic-bearing, thinly laminated clay, sharp lower contact at organic-rich clay layer.	2,0.6	113-115
Sand: coarse, granular, grades downward.	1,0.3	115-116
Diamicton: sandy matrix, poorly cohesive, locally oxidized, 2.5Y5/4, sharp contact at cobble layer.		
Diamicton: silt matrix, very cohesive, 5Y5/1 to 5Y5/2, oxidized to 124 ft., 15% clasts, blocky, extremely rich in carbonates below 137 ft., very cohesive, some colour mottling at 150 ft.	39,11.9	116-155
Bedrock: volcaniclastic rock, disseminated sulphides.	5,1.5	155-160

Borehole 62: 48°48'55", 81°46'30", Wilhelmina Township, NTS 42 A/13, Depth drilled 109 feet (33.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: oxidized, organic-rich, top is road bed, lower contact sharp.	6,1.8	0-6
Diamicton: fine sand/silt matrix, oxidized, 2.5Y6/4, 8-10% clasts, mostly granule, very cohesive, massive, lower contact sharp, at limit of oxidation.	5,1.5	6-11
Diamicton: fine sand/silt matrix, 10-15% clasts, massive, moderately cohesive, 5Y5/2, abundant carbonates, sandy matrix 18-32 ft., clast content and size decreases downcore to 5%, fissile 28-32 ft., lower contact gradational.	35,10.7	11-46
Diamicton: silt matrix, massive, very cohesive, 5% granule clasts, 5Y5/1, organic rich layers, brown colour streaks, lower contact sharp.	6,1.8	46-52
Sand: massive, medium sand, well sorted, locally oxidized, rare pebbles <3cm, lower contact sharp.	9,2.7	52-61
Diamicton: sand matrix, massive, 5-10% granule clasts, 5Y5/2, below 69 ft. matrix is silty, moderately cohesive, coarse sand layer 70-71 ft., gradational contacts, clast content decreases somewhat downcore, uniform soft, sandy diamicton toward base, lower contact gradational.	25,7.6	61-86
Silt: fine sand/silt at top fines downward to laminated silt, brown organic streaks, 5Y5/2, lower contact sharp.	5,1.5	86-91
Clay: massive, 5Y4/2, very compact, minor small pebbles/granules, sharply bounded.	1,0.3	91-92
Sand: well sorted, medium sand, no clasts.	2,0.6	92-94
Diamicton: upper contact very pebbly, almost clast supported, medium to fine sand matrix, highly variable, matrix locally fine sand/silt,	10,3	94-104

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abundant carbonates, clast-supported large pebbles at 97 ft., 1cm coarse, pebbly sand layer at 99 ft., oxidized streaks, very compact below 99 ft., locally stratified with thin silt laminae (0.25-0.5cm) over 5cm interval near base.

Bedrock: fine-grained chlorite schist, disseminated sulphides.	5,1.5	104-109

Borehole 63: 48°49'50", 81°40'45", Geary Township, NTS 42 A/13, Depth drilled 78 feet (23.8 metres)

Lithology	*Thickness (ft.,m.)*	*Interval (feet)*
Sand: fine sand, massive, oxidized, 2-3cm-thick peat interbeds, top may be road bed, fine to medium, pebbly sand 5-6 ft., grades downward to fine sand with silt/clay interbeds 4-8cm thick, minor clasts in clay, disseminated organics 18-30 ft., silty, diamicton-like bed at 21 ft., gradational contacts, fine sand/silt at base of unit with organic clots, lower contact sharp.	30,9.1	0-30
Silt/clay: finely laminated (1cm) clay and silt, coarsening downward to silt, laminae are contorted in upper 12cm, planar below, unoxidized, lower contact sharp, 5Y5/2, few pebbles/granules.	17.5,5.3	30-47.5
Diamicton: silt/sand matrix, massive, moderately cohesive, 10-15% clasts up to 7cm, 5Y5/2, clast-supported at 54 ft., crystalline boulder 49-52 ft., sharp lower contact.	7.5,2.3	47.5-55
Sand/silt: laminated fine sand/silt, rare clasts, disseminated organics, gradational lower contact.	1,0.3	55-56
Sand: massive, fine sand, rare clay laminae, rare pebbles, disseminated organics, sharp lower contact.	5.5,1.7	56-61.5
Silt/sand: interbedded (0.5-1cm-thick), 5Y5/2, cohesive, <2% clasts up to granule-size, disseminated organics, grades to massive from 64-66 ft., sharp lower contact.	5.5,1.7	61.5-66
Sand: fine to medium sand, minor clay/silt, 3% pebbles up to 5cm, grades downward to fine sand/silt planar laminae with organic layers 70-72.5 ft., lower contact sharp.	6.5,2	66-72.5
Diamicton: silt/sand matrix, abundant clasts up to 8cm, green alteration around some clasts, cohesive.	0.5,0.2	72.5-73
Bedrock:	5,1.5	73-78

Borehole 64: 48°54'10", 81°35'47", Aubin Township, NTS 42 A/13, Depth drilled 38 feet (11.6 metres)

Lithology	*Thickness (ft.,m.)*	*Interval (feet)*
Clay: massive at top grades downward to laminated, oxidized, organics (roots, twigs), lower peaty layers, may be local road fill.	5,1.5	0-5
Sand: coarse, cobbly, chunks of peat, may be	1,0.3	5-6

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bulldozed for built-up road, lower contact sharp.		
Clay: massive, rare silt lenses, 2.5Y6/4, mottled, <5% granules, minor organics at top, faintly laminated 8-10 ft., 5Y5/2 below 10 ft., structureless below 10 ft., fewer clasts, coarsens downward to silty, lower contact sharp.	16.5,5	6-22.5
Silt: stratified silt/clay, <2% pebbles, laminations diminish downcore, lower contact gradational.	1.5,0.5	22.5-24
Diamicton: sand/silt matrix, poorly cohesive, massive, 10% clasts up to 6cm, grades downward to more compact, sandy diamicton 29-33 ft., clasts decrease in size below 29 ft.	9,2.7	24-33
Bedrock:	5,1.5	33-38

Borehole 65: 48°49'35", 81°43'30", Geary Township, NTS 42 A/13, Depth drilled 147 feet (44.8 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: pebbly, oxidized, abundant surface organics in top 0.2m, grades downward to silty/fine sand, minor thinly laminated silt, gradational lower contact, upper part is road bed.	5,1.5	0-5
Peat: organic peat with pebbles, granules, probably buried *Sphagnum*, lower contact sharp.	1,0.3	5-6
Clay: massive to faintly laminated, rare pebbles/granules, disseminated organics, 5Y6/2, locally very sticky, lower contact gradational.	29.5,9	6-35.5
Silt/clay: clasts up to 4cm at top, thinly laminated silt/clay couplets (0.5cm) thicken downward to 2cm, rare fine sand beds up to 2cm in normal and reverse graded couplets, couplets 3-4cm 37-42 ft., 4-5cm below 42 ft., massive fine sand with silt beds 46-47 ft., rhythmically laminated silt/clay up to 3cm-thick below 47 ft., 5Y6/1 to 5Y5/2, coarsens downward to massive fine sand by 68 ft., lower contact sharp.	32.5,9.9	35.5-68
Silt/sand: finely laminated silt, coarsens downward to silt/fine sand, interbedded clay layers to 3-4cm, local cohesive, blocky texture, variable silt/sand couplet thickness throughout unit, fine sand with pebbles/minor cobbles below 130 ft., 5Y6/1, lower contact sharp.	65,19.8	68-133
Diamicton: medium to fine sand matrix, clast content <5% increases downward, very cohesive, unoxidized, matrix is greenish, inclusions of brownish diamicton, clast supported 136-138 ft.	9,2.7	133-142
Bedrock:	5,1.5	142-147

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Borehole 66: 48°47'25", 81°39'50", Thorburn Township, NTS 42 A/13, Depth drilled 131 feet (40 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: coarse pebbly sand to gravel at top, wood chunks, road fill 0-4 ft., grades to fine to medium sand, oxidized, disseminated organics 4-6 ft., sharp lower contact.	6,1.8	0-6
Clay/silt: massive clay, <2% clasts, 5Y5/2, organic material, thin sand layer at 7 ft., coarsens downward, interlayered 0.5-1cm silt and minor clay below 19 ft., locally convoluted, no clasts, lower contact gradational.	28,8.5	6-34
Sand: fine to medium sand, coarsens downward to coarse sand and gravel by 75 ft., well-rounded pebbles, gradational contact.	41,12.5	34-75
Sand: very fine sand, disseminated organics, faint silty laminations, coarsens downward to medium to coarse, pebbly sand by 90 ft., coarse pebbly gravel 90-115 ft., coarsens to cobble gravel at base of unit, sharp lower contact.	45,13.7	75-120
Diamicton: sand matrix, slightly oxidized, 2.5Y6/4, locally clast-supported, contains weathered saprolitic material, some carbonates.	4,1.2	120-124
Bedrock: pulverized by drill, poor recovery.	7,2.1	124-131

Borehole 67: 48°26'50", 81°39'00", Turnbull Township, NTS 42 A/5, Depth drilled 131 feet (40 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: organic-bearing sand, road fill.	0.5,0.2	0-0.5
Diamicton: sand matrix, soft, poorly cohesive, oxidized along parting planes at top, 5Y6/3, unoxidized below 11 ft., 5Y5/1, 5-10% clasts, lower contact sharp.	25.5,7.8	0.5-26
Diamicton: silt matrix, very compact, 10% clasts, massive but locally blocky, 5Y5/2, oxidized spots at contact but may be core contamination, lower contact sharp.	19,5.8	26-45
Sand: massive, medium sand.	0.5,0.2	45-45.5
Diamicton: compact, silt/sand matrix, rich in crystalline clasts, 15% clasts, lower contact sharp.	4.51.4	45.5-50
Diamicton: very soft, silt matrix, <10% clasts, 5Y5/1, gradational lower contact.	2,0.6	50-52
Diamicton: very compact, locally oxidized at top, 15% clasts of all sizes, abundant carbonates.	13,4	52-65
Sand: massive, fine sand, sharply bounded.	0.5,0.2	65-65.5
Diamicton: large cobble at upper contact and at 82 ft., fine sand/silt matrix, fissile and blocky, 15-20% clasts, abundant carbonates, 5Y6/2, oxidized patches with gradational rims, locally broken up by drilling, large cobbles	19.5,5.9	65.5-85

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at lower, sharp contact.		
Diamicton: very cohesive, sand matrix, very pronounced increase in clast content, locally clast-supported, carbonate-rich, 5Y5/2, grades downward to silty above base, lower contact sharp.	20,6.1	85-105
Gravel: coarse, pebbly, clasts up to 5cm, lower contact sharp.	3,0.9	105-108
Diamicton: sand matrix, moderately cohesive, 5Y5/1,10-15% clasts, lower contact sharp.	12,3.6	108-120
Diamicton: very fissile, highly compact, minor silty stratification, 15% clasts, mostly local lithologies, 5Y5/2, oxidation along parting planes, inclusions of greenish saprolite.	5,1.5	120-125
Bedrock: green, fine-grained metavolcanic, minor sulphides.	6,1.8	125-131

Borehole 68: 48°26'52", 81°31'50", Godfrey Township, NTS 42 A/5, Depth drilled 50 feet (15.2 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Gravel: coarse, sandy, organic debris, poorly consolidated road bed, sharp lower contact.	0.75,0.2	0-0.75
Diamicton: sand matrix, 5% clasts up to 4cm, 5Y6/1, poorly cohesive, clast content decreases downcore, gradational lower contact.	4.25,1.3	0.75-5
Sand/silt: interlayered fine sand and silt 0.75-5 ft., <2% clasts, grades to massive, medium sand below 5 ft., poorly sorted, cobbles up to 6cm, 25% large clasts, 3cm-thick diamicton layer at 20 ft., gradational lower contact.	15,4.6	5-20
Diamicton: sandy, 5-10% clasts up to 5cm, 5Y6/1, moderately cohesive, large cobble at lower contact, silty at base.	6,1.8	20-26
Sand: massive, fine sand, coarsens downward to medium sand with pebbles/granules 30-38 ft., 3cm silt layer at 30, 35 ft., pebble content increases downcore, coarse granular sand 38-40 ft., lower contact sharp.	14,4.3	26-40
Diamicton: fine sand/silt matrix, moderately cohesive, 10% clasts up to 4cm, 5Y6/3, clast size decreases to granule below 41 ft., very clast-rich with visible sulphides 44-45 ft., very compact at base, 5Y6/1.	5,1.5	40-45
Bedrock:	5,1.5	45-50

Borehole 69: 48°33'55", 81°37'00", Robb Township, NTS 42 A/12, Depth drilled 110 feet (33.5 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Gravel: angular mine tailings used as road bed, lower contact abrupt.	3,0.9	0-3
Sand: fine sand, unoxidized, lower contact sharp.	2,0.6	3-5

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Clay: massive to faintly laminated, 5Y6/2, grades to planar and convoluted laminae with organic debris along bedding planes 9-10 ft., lower contact sharp.	5,1.5	5-10
Clay/sand: interbedded clay/very fine sand, 1-1.5cm couplets, 5Y5/2, thickens below 11 ft. to 5cm clay/1cm silt at base, lower contact sharp.	4,1.2	10-14
Clay/silt: graded clay laminae 1cm-thick, minor silt, 2.5Y5/2, sharp contacts.	4,1.2	14-18
Silt/clay: graded silt/clay rhythmites 1cm-thick fines downward to mostly clay, clay laminae somewhat convoluted 21-23 ft., sharp lower contact.	6,1.8	18-23
Clay/silt: uniform, well-preserved graded silt/clay rhythmites, 1.5cm, thicken slightly downward, fines downcore to clay laminae 26-27 ft., lower contact sharp.	4,1.2	23-27
Silt/clay: silt with thin interbeds of clay at top, below 32 ft. massive to bedded silt with minor clay lenses or rip-up clasts, rare intact clay layers, fine silty laminae above lower, sharp contact.	6,1.8	27-36
Diamicton: silty, 5% clasts, massive, soft, poorly cohesive, several large pebbles, 5Y6/1, lower contact sharp.	8,2.4	36-44
Silt: layered silt with rare clay beds.	1,0.3	44-45
Diamicton: pebbly, sand/silt matrix, clasts up to 5cm, unoxidized, 5Y5/1, massive, sharply bounded.	3,0.9	45-48
Silt: 1cm-thick laminae, no clasts, lower contact gradational.	6,1.8	48-54
Sand: fine to medium sand, minor pebbles or granules at top, fine, pebbly sand interbedded with thin diamicton beds 57-58 ft., contact gradational.	4,1.2	54-58
Diamicton: massive, sandy, 5% clasts, mostly 1cm pebbles, moderately cohesive, 5Y6/2 at top, 5Y5/2 at base, unoxidized, sharp lower contact.	10,3	58-68
Diamicton: very cohesive, fissile, sand matrix, oxidized in top 5 ft. along parting planes, 5Y5/3, 5-10% clasts, not oxidized below 80 ft., clast content decreases downward, mostly small pebbles, sand/silt matrix at base, less cohesive, lower contact at large cobbles.	32,9.8	68-100
Diamicton: clay-rich, blocky, 5% clasts, abundant local, mafic lithologies, minor carbonates, few large pebbles, unoxidized, 5Y5/2.	4,1.2	100-104
Saprolite: green, weathered.	1,0.3	104-105
Bedrock: green, fine-grained volcanic, slaty.	5,1.5	105-110

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Borehole 70: 48°32'45", 81°35'50", Robb Township, NTS 42 A/12, Depth drilled 55 feet (16.8 metres)

Lithology	*Thickness* (ft.,m.)	*Interval* (feet)
Sand: oxidized, medium to coarse sand, upper 5 ft. is road fill from shoulder of highway, lower contact sharp.	6,1.8	0-6
Silt/clay: massive, 5Y5/1, no clasts, lower contact sharp.	1,0.3	6-7
Silt/clay: rhythmically laminated, thicken downward, lower contact gradational.	1,0.3	7-8
Clay: <0.5-1.5cm rhythmites, irregular thicknesses, not as planar as above, minor oxidation, grades down into evenly laminated silt (75%) and clay (25%), lower contact gradational.	3,0.9	8-11
Clay: 5Y5/4, oxidized clay rhythmites with minor silt, <1-1.5cm, thicken downcore, grade into thickly bedded clay (4-5cm) below 18 ft., no clasts, very soft and sticky, minor silt lenses, lower contact gradational.	13,4	11-24
Clay: poorly defined bedding, convoluted, ripped-up or convoluted silt layers, lenses, mostly clay, lower contact gradational.	8,2.4	24-32
Clay/silt: planar-bedded rhythmites, thicken downward from 36-40 ft. from 2-2.5cm to 4cm, more silty at base, 5Y5/1, 5cm-thick interval of very convoluted bedding at 40 ft., lower contact gradational.	8,2.4	32-40
Clay/silt: minor silt, colour banding may indicate bedding in clay, coarsens downcore to silty with rare fine sand lenses, lower contact sharp.	7,2.1	40-47
Silt: 1cm-thick laminae, <1% sand, rare clay lenses along parting planes, sharp lower contact.	2,0.6	47-49
Diamicton: sandy, 5% clasts, 5Y5/1, lower contact obscured by drilling, poor recovery.	0.5,0.2	49-49.5
Diamicton: 5Y5/2, clay/silt matrix, 10% clasts up to large pebbles, abundant carbonates and local lithologies, this unit is a thin veneer on bedrock, poorly recovered.	0.5,0.2	49.5-50
Bedrock: pegmatite dyke, sulphide staining.	5,1.5	50-55

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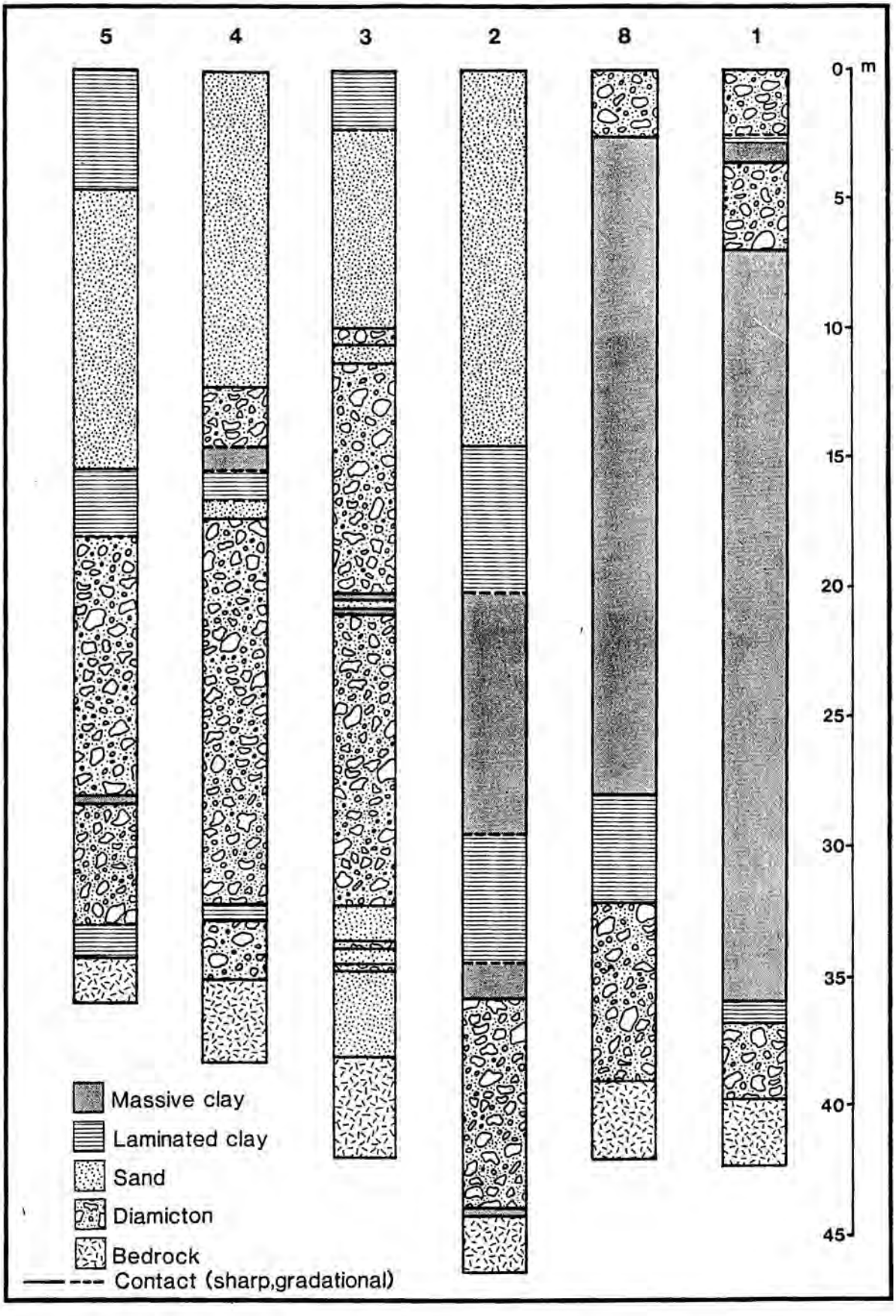

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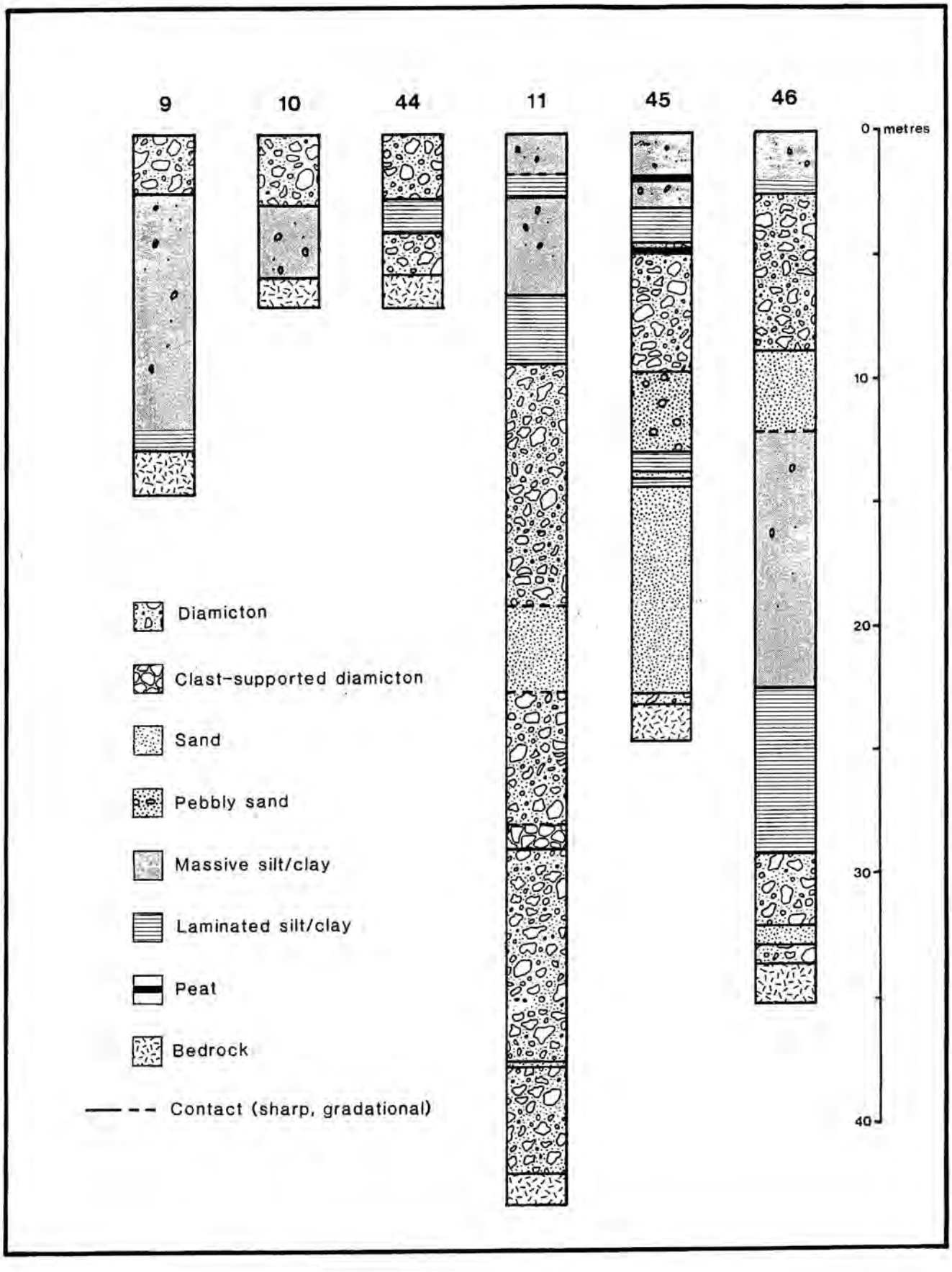

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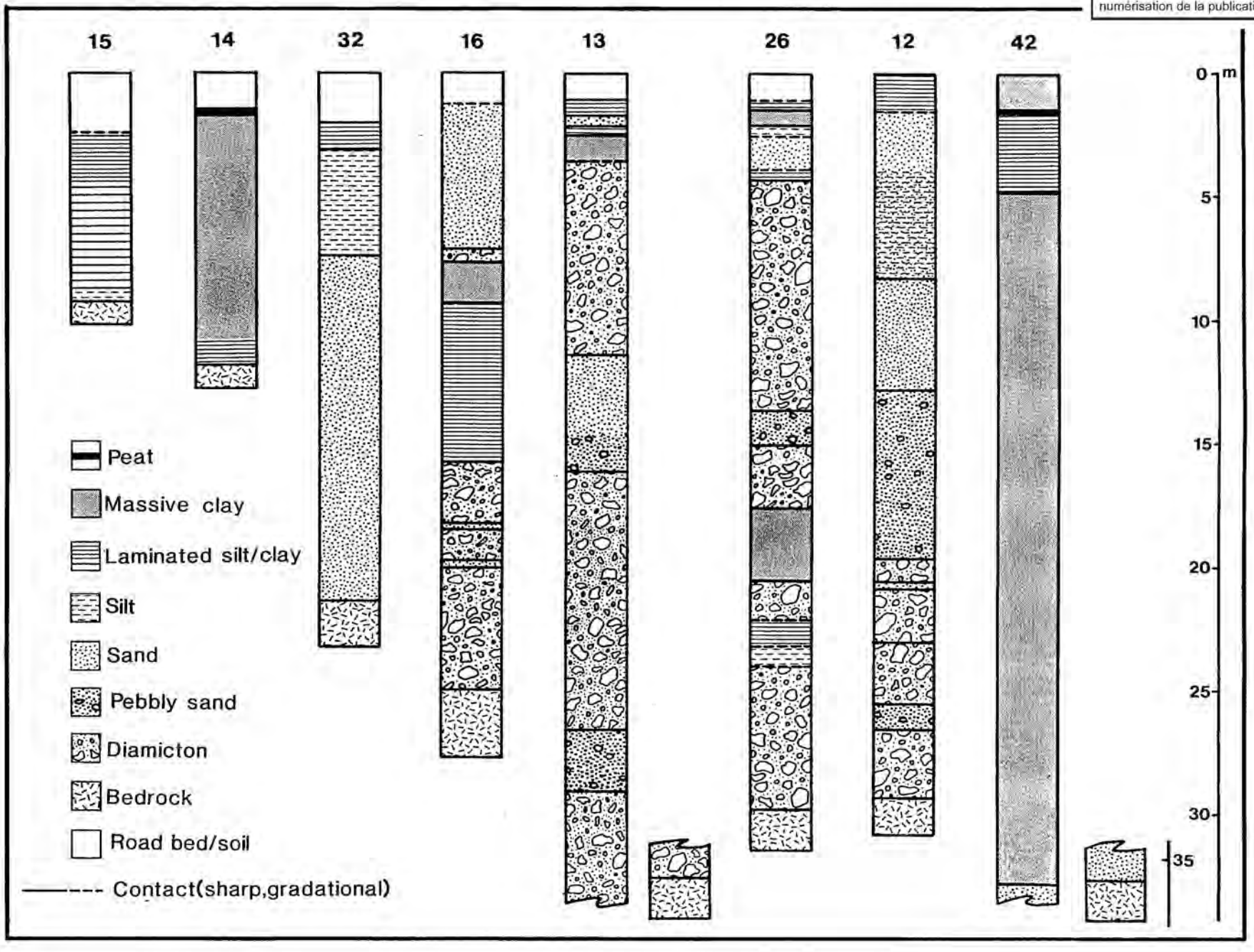

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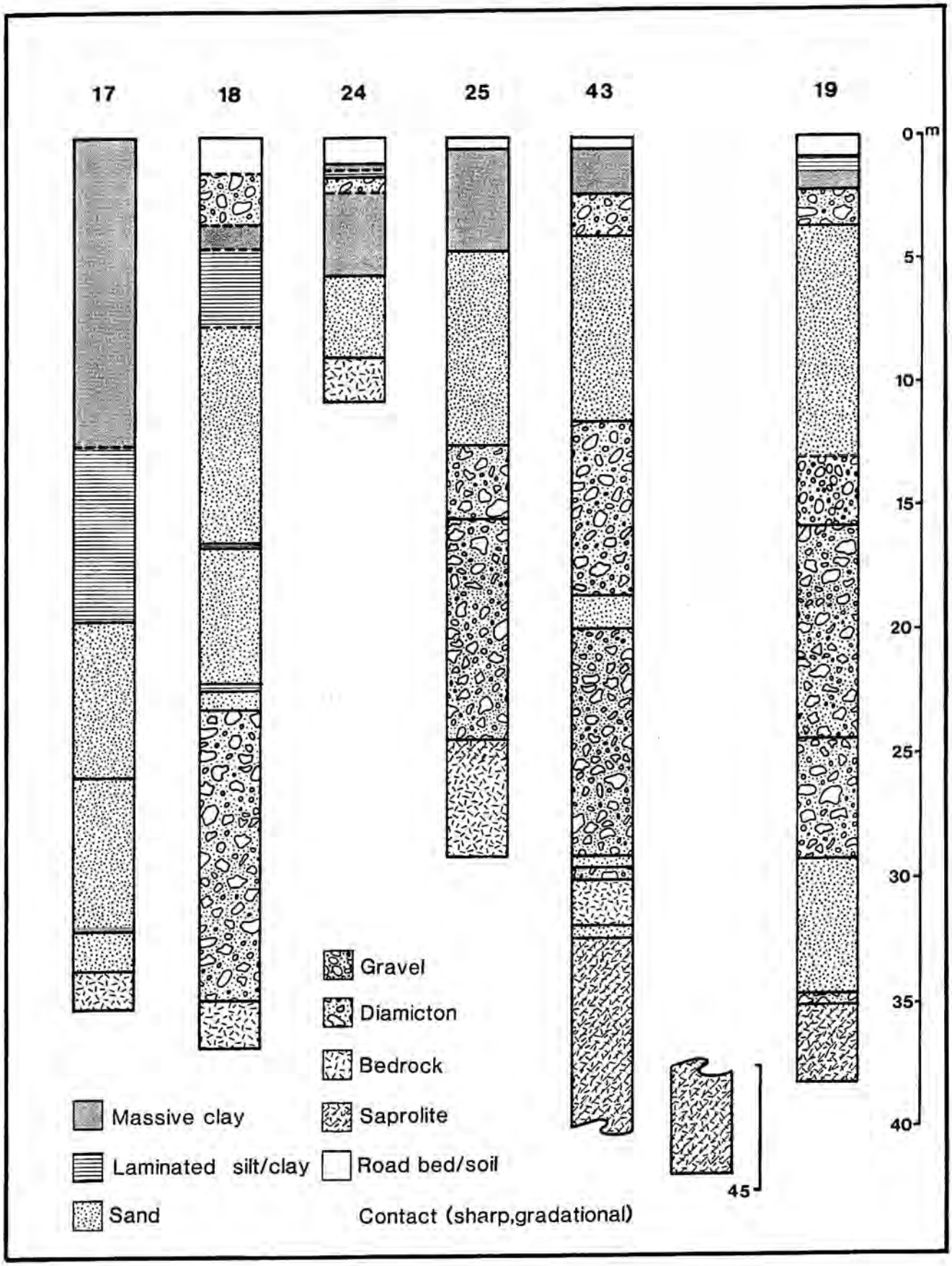

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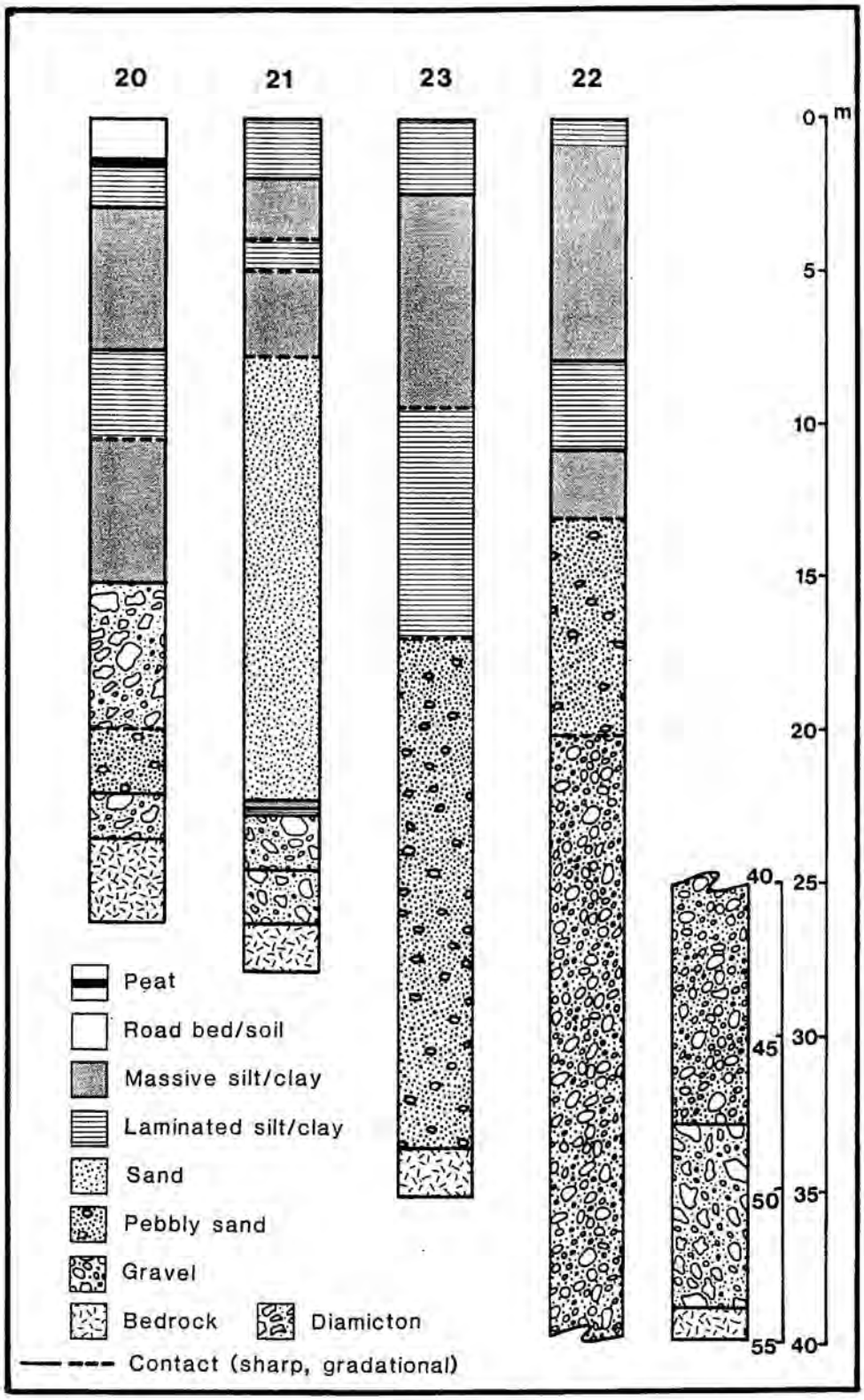

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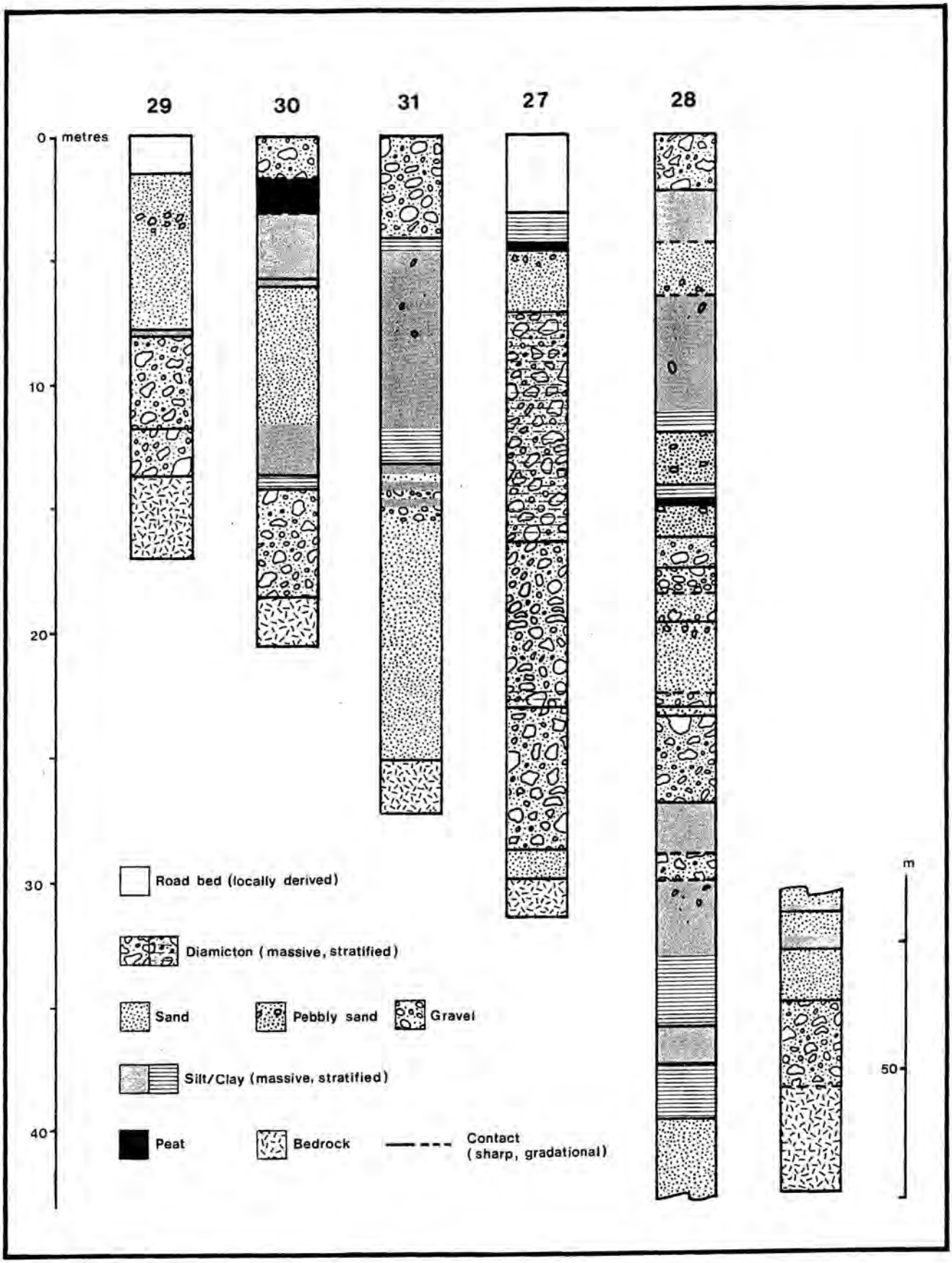

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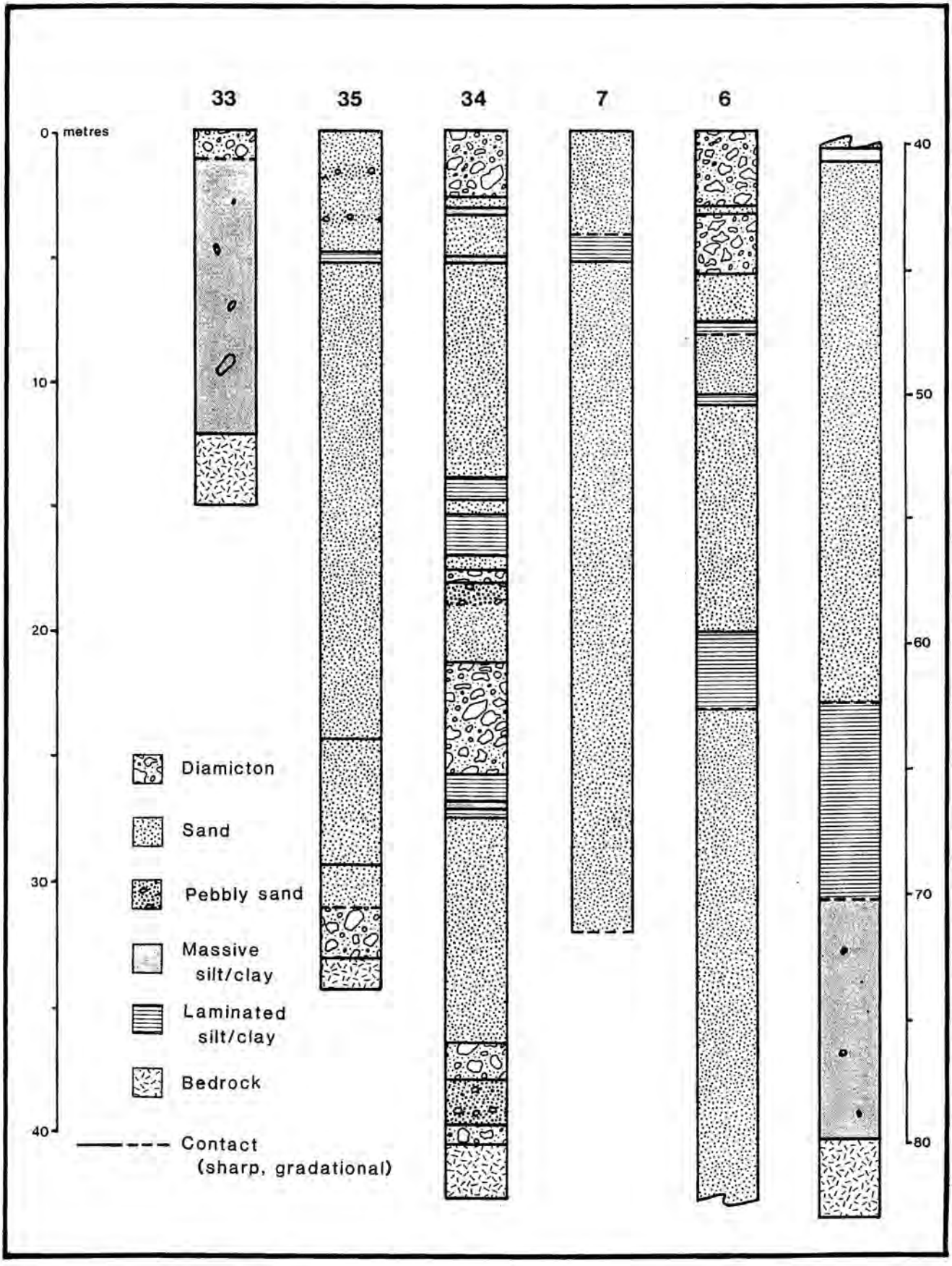

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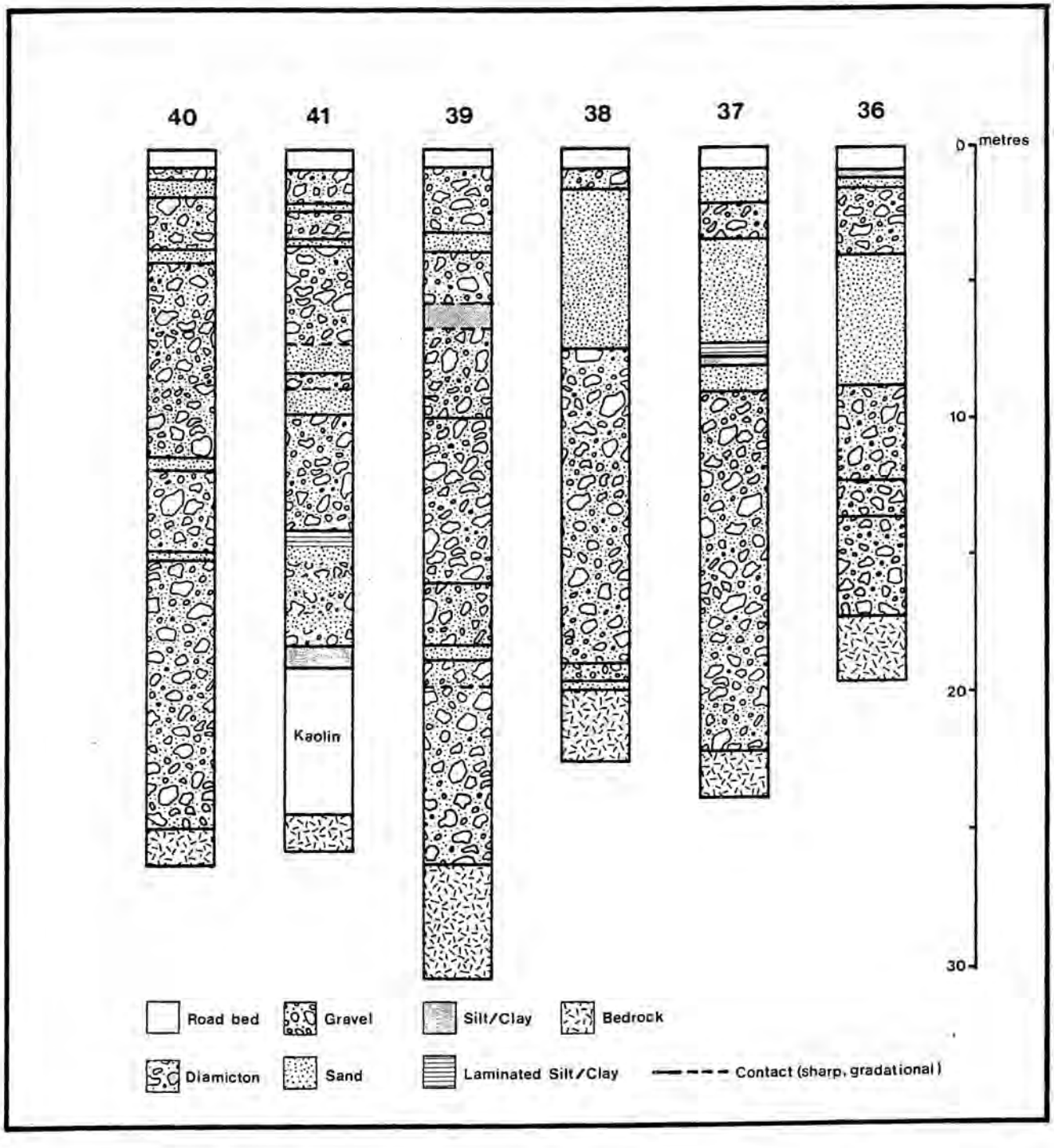

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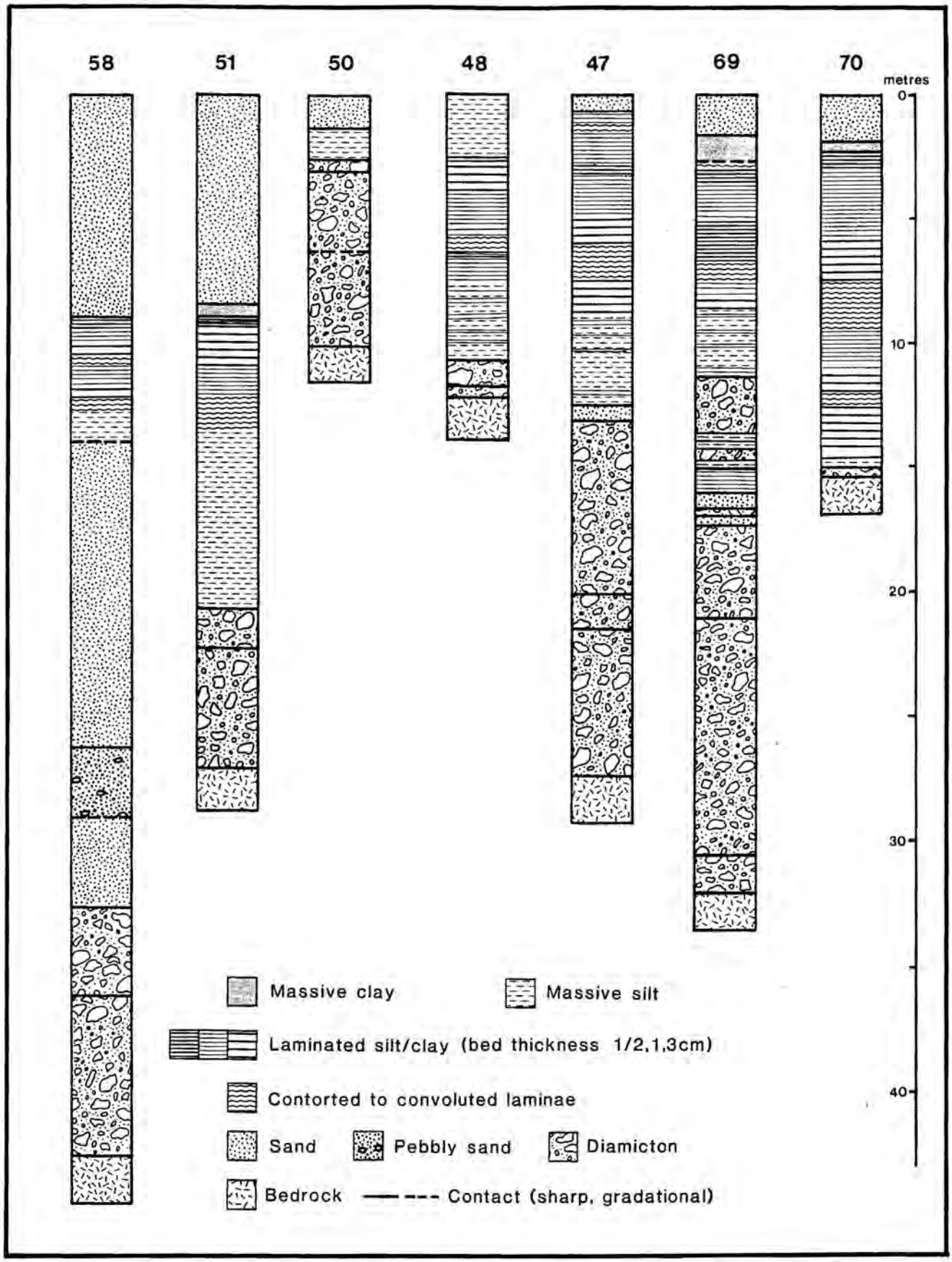

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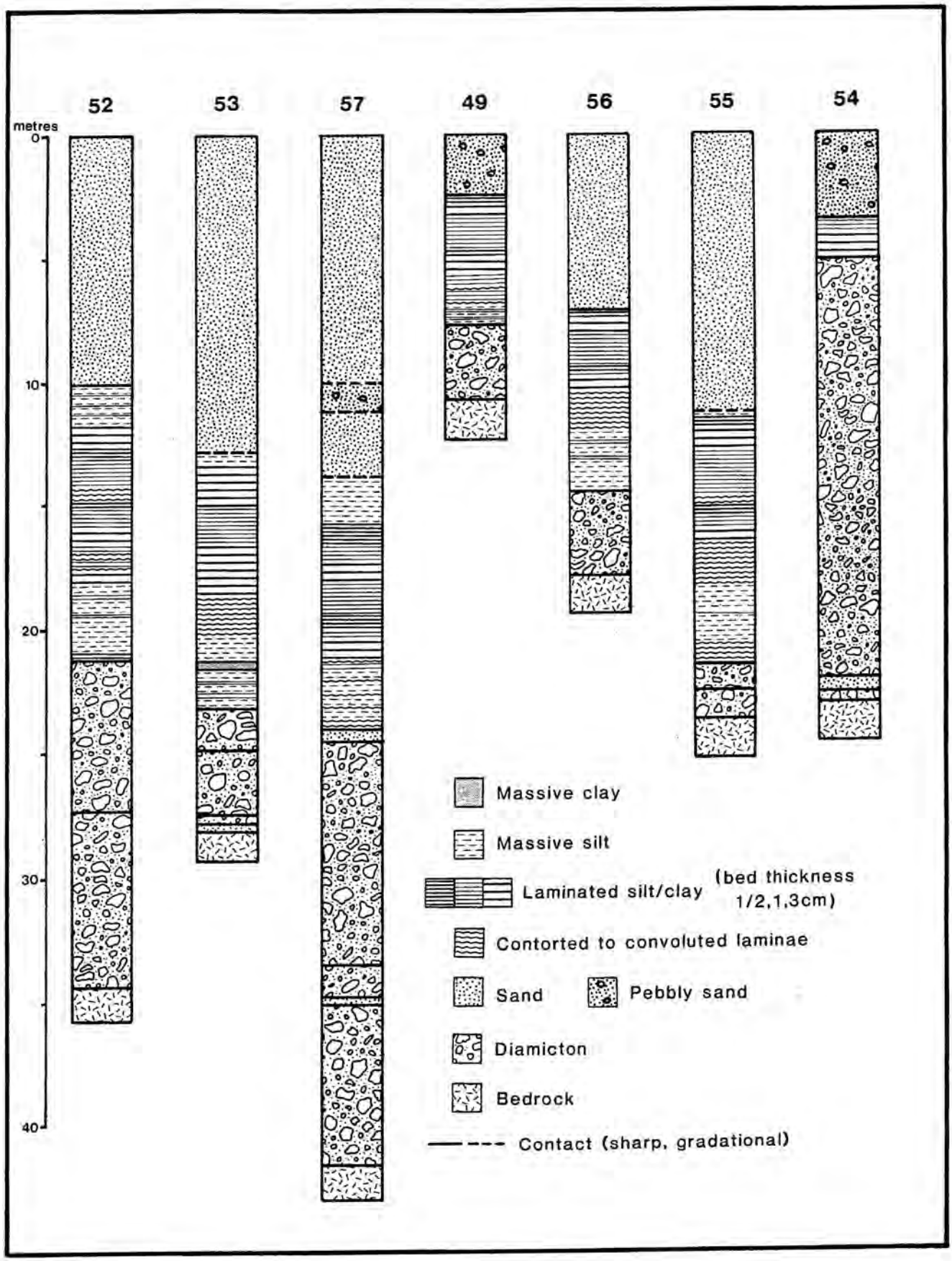

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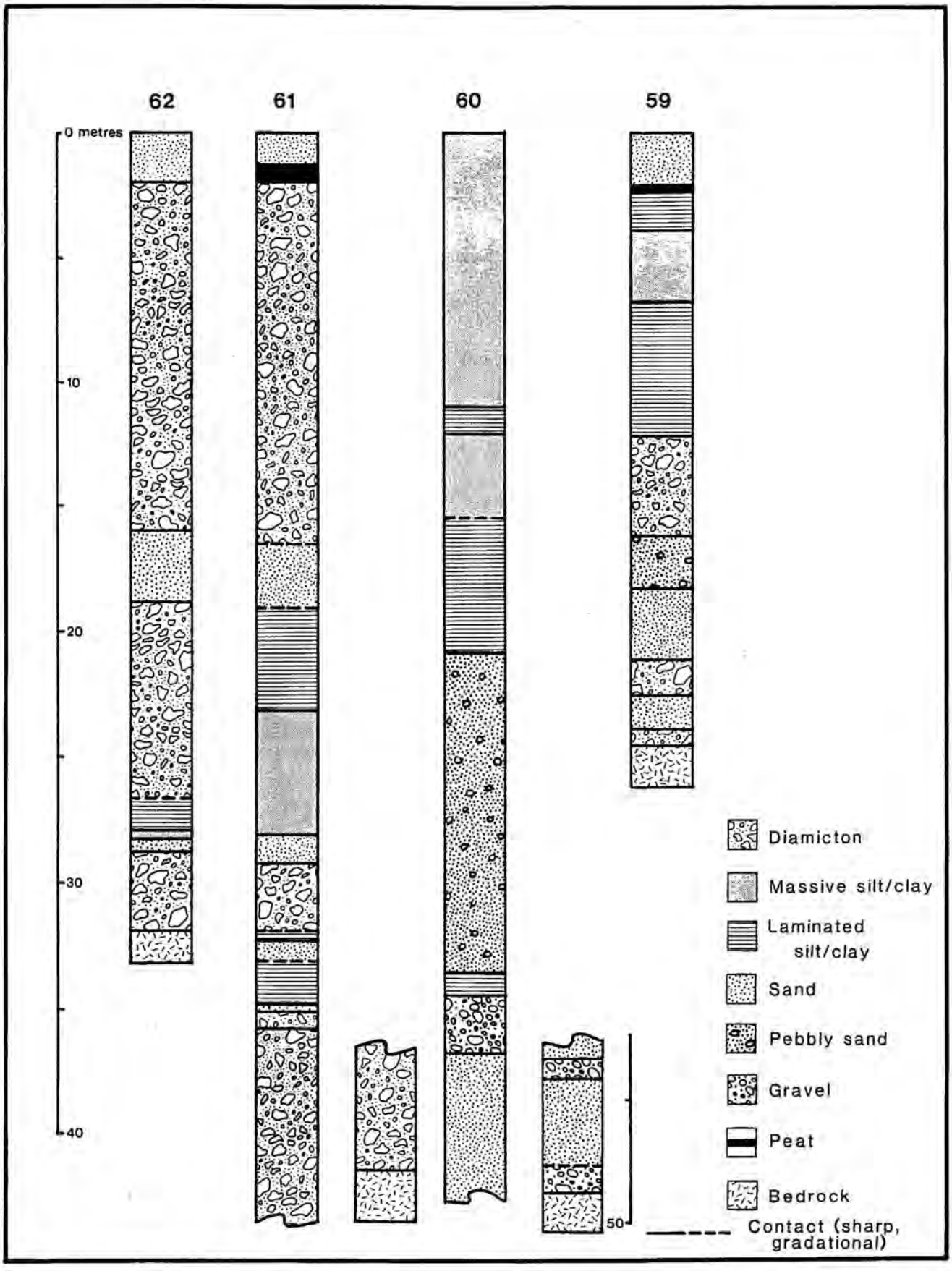

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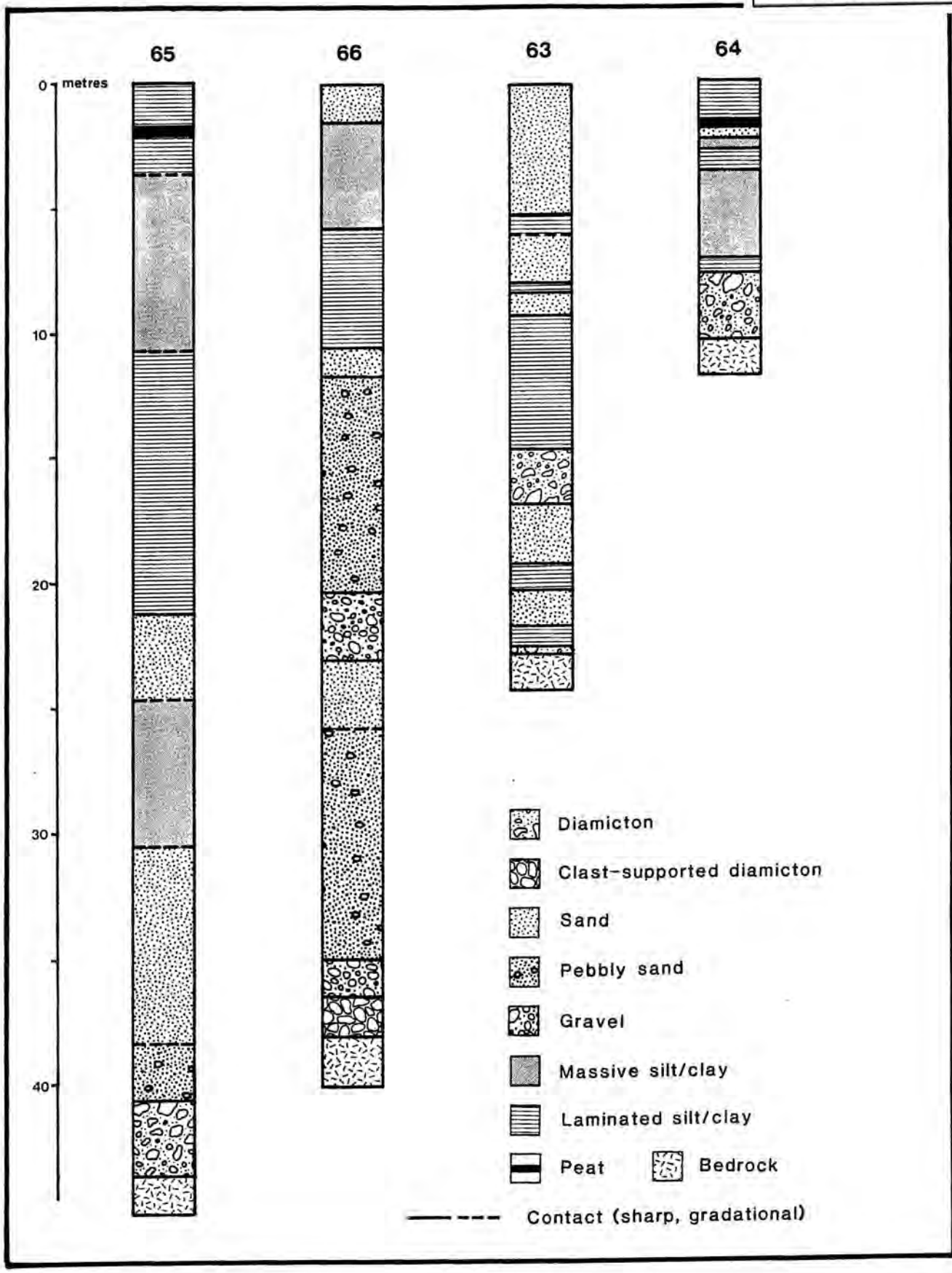

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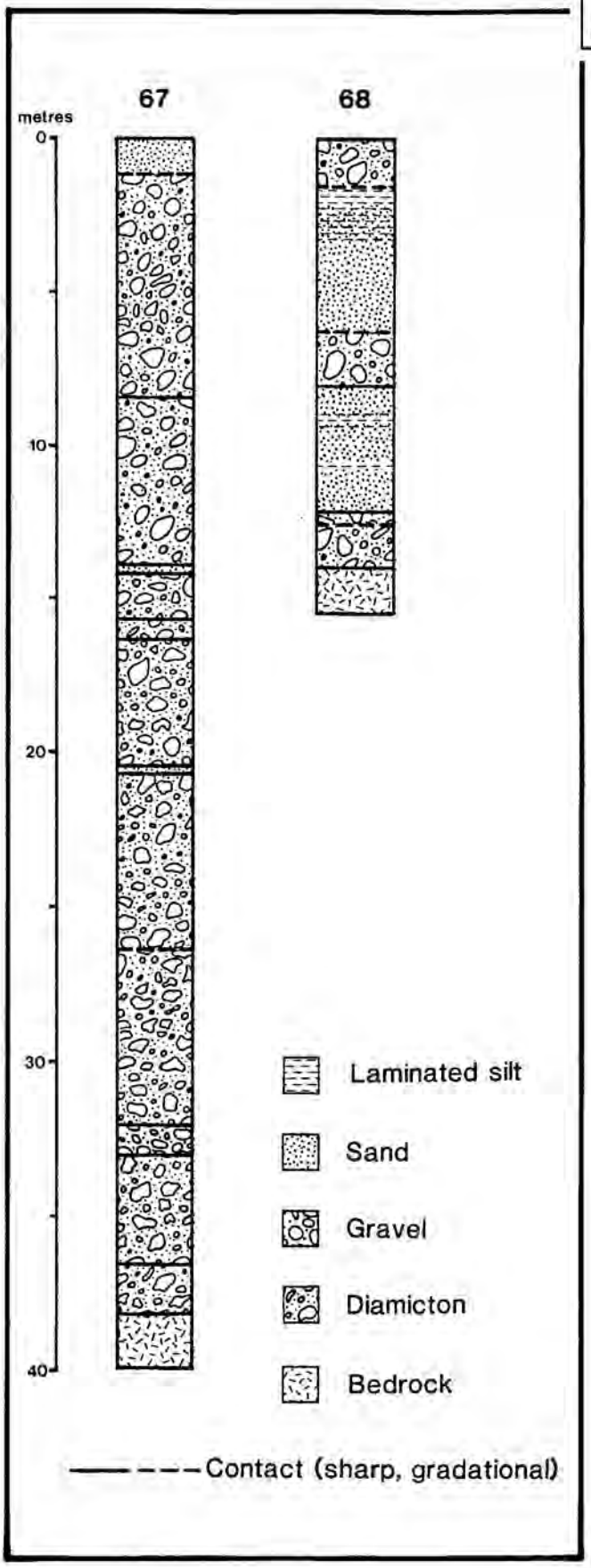

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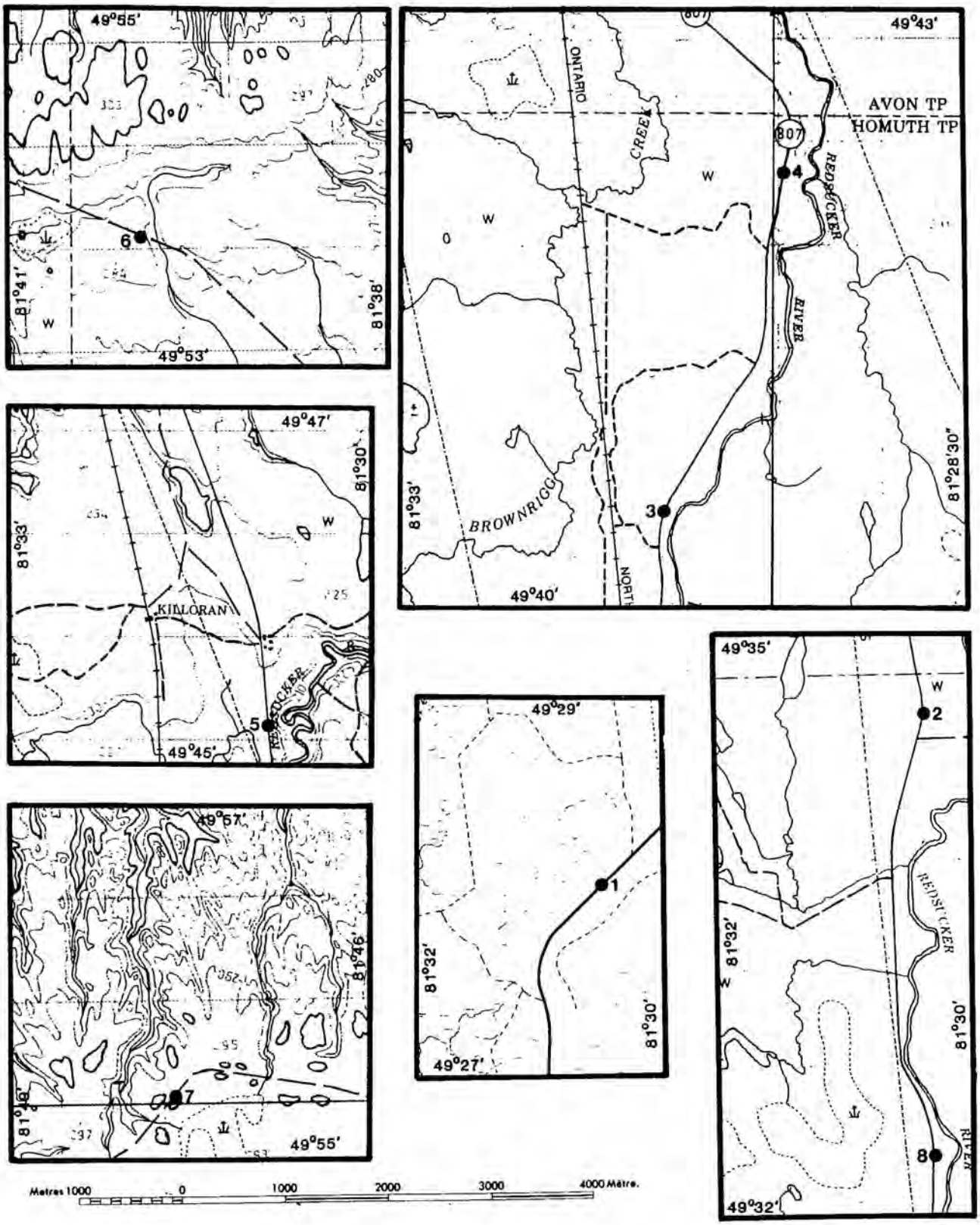

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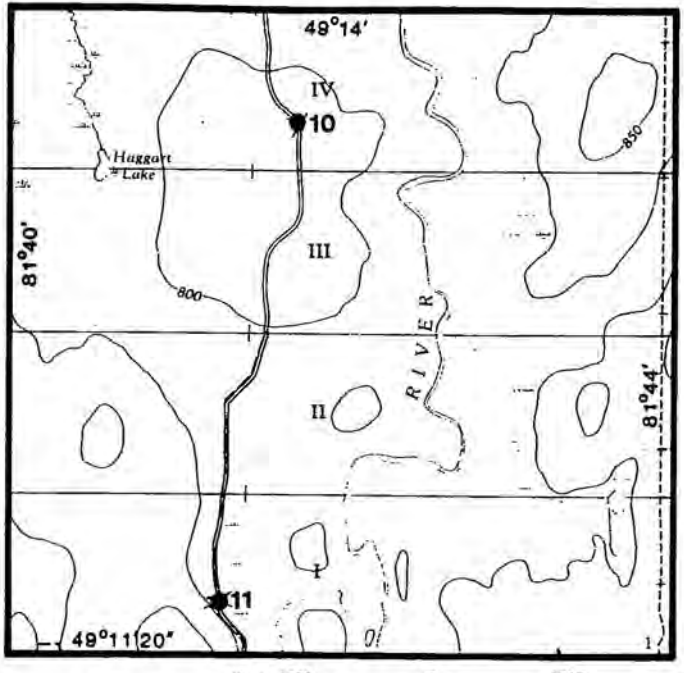

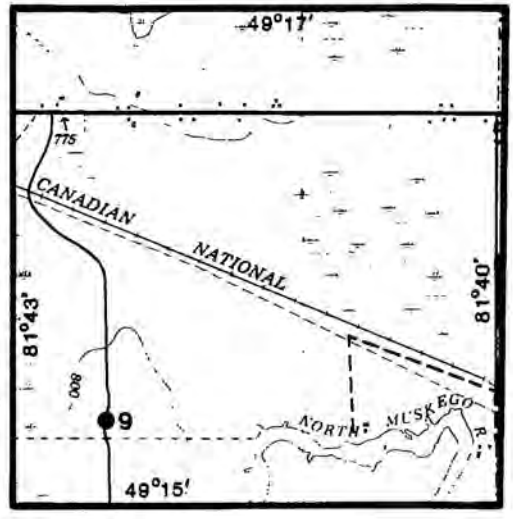

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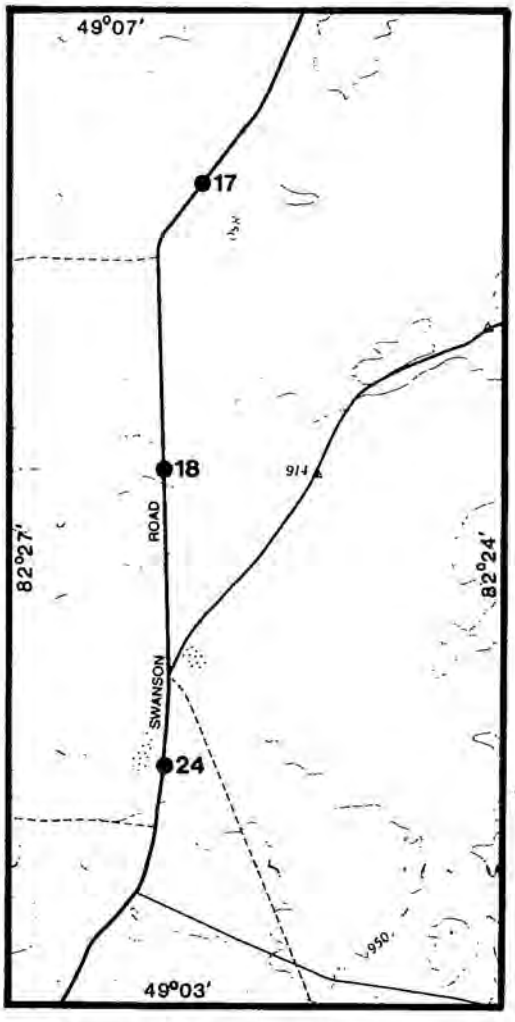

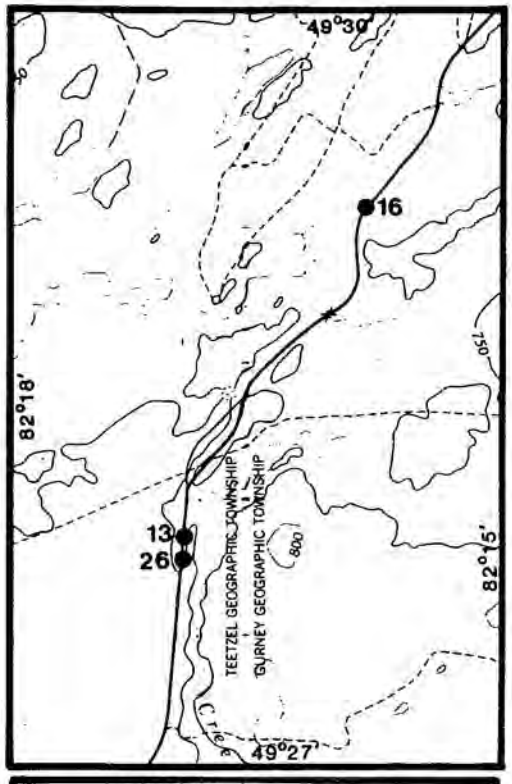

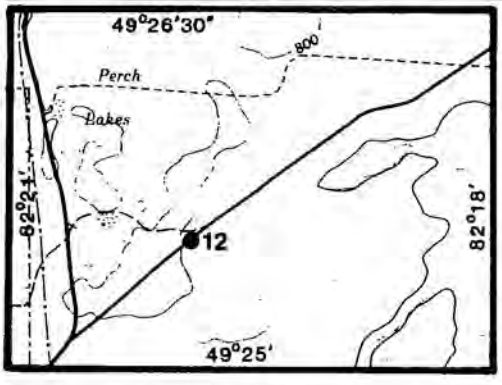

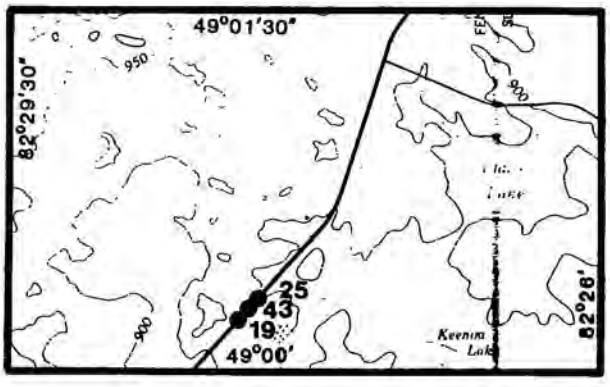

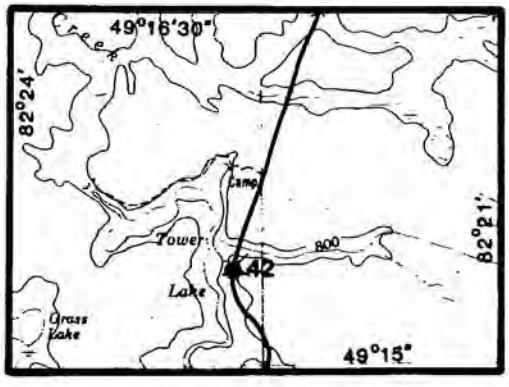

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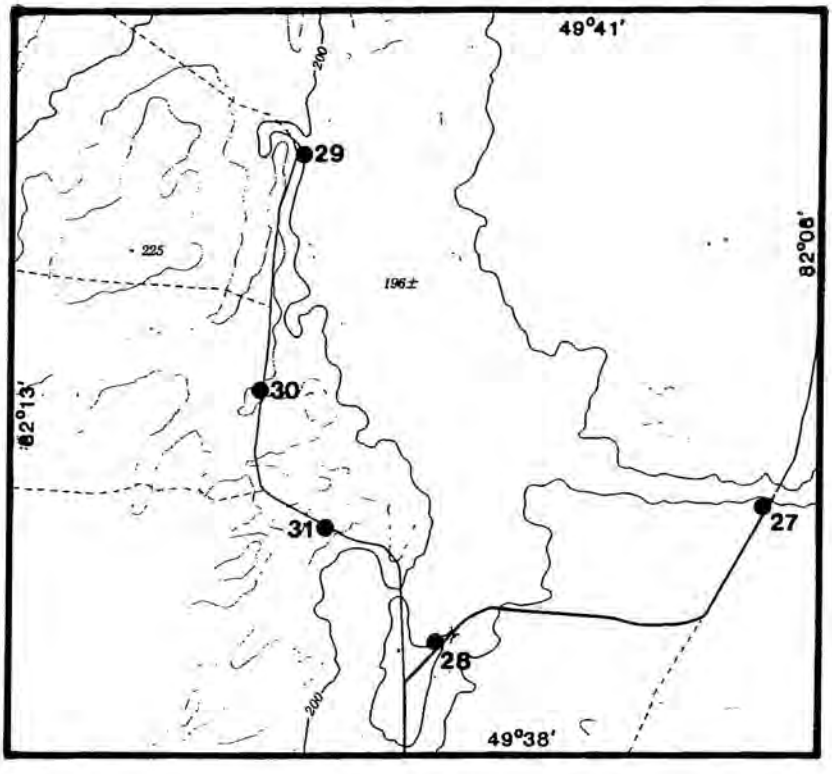

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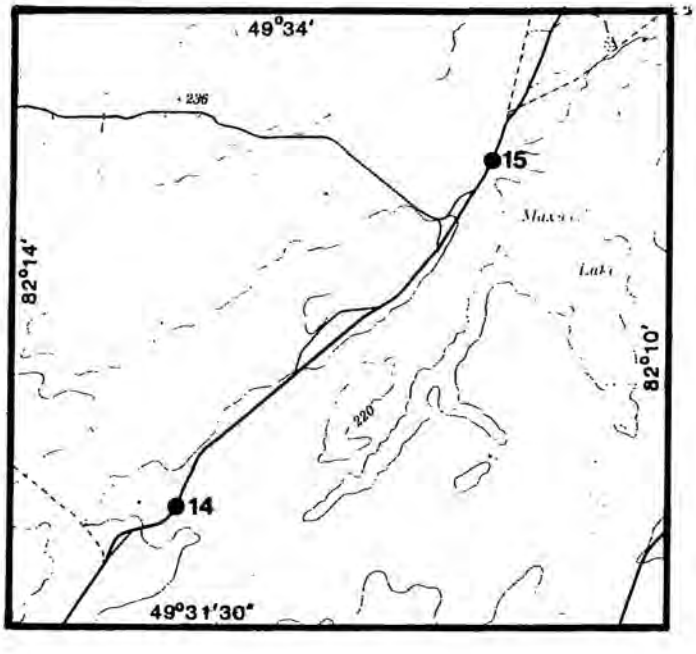

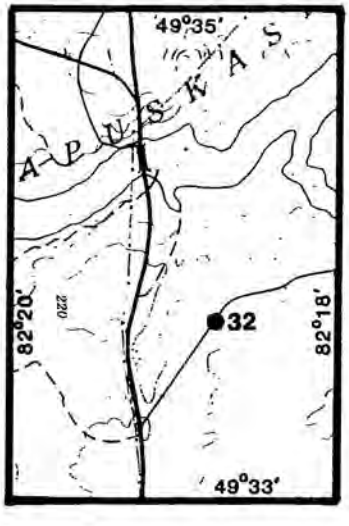

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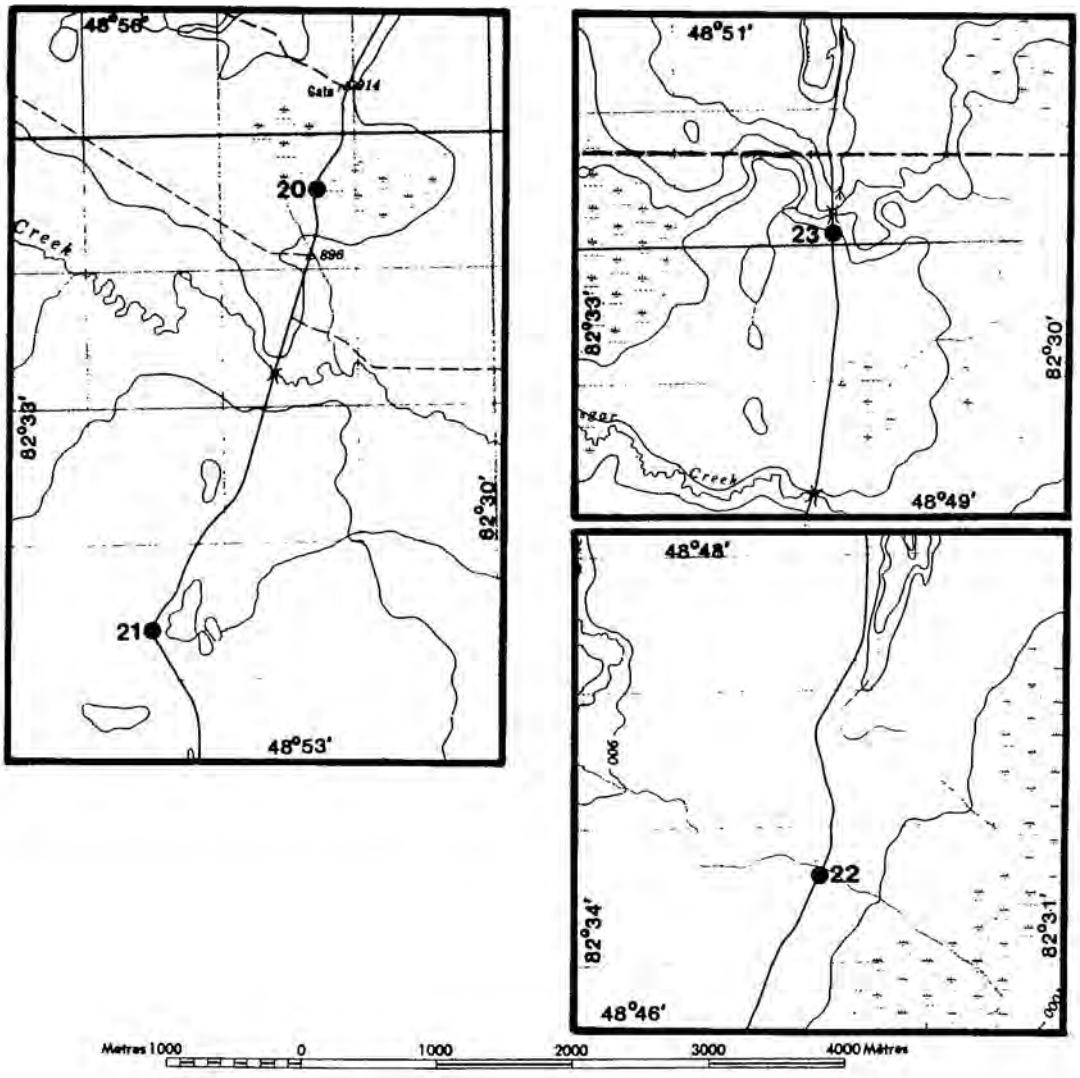

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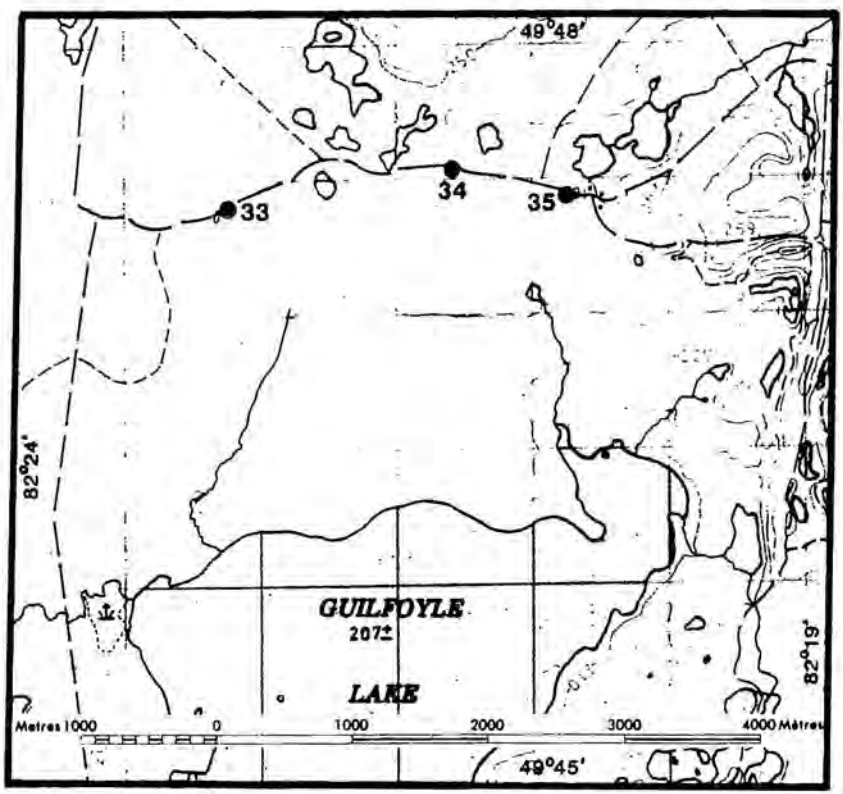

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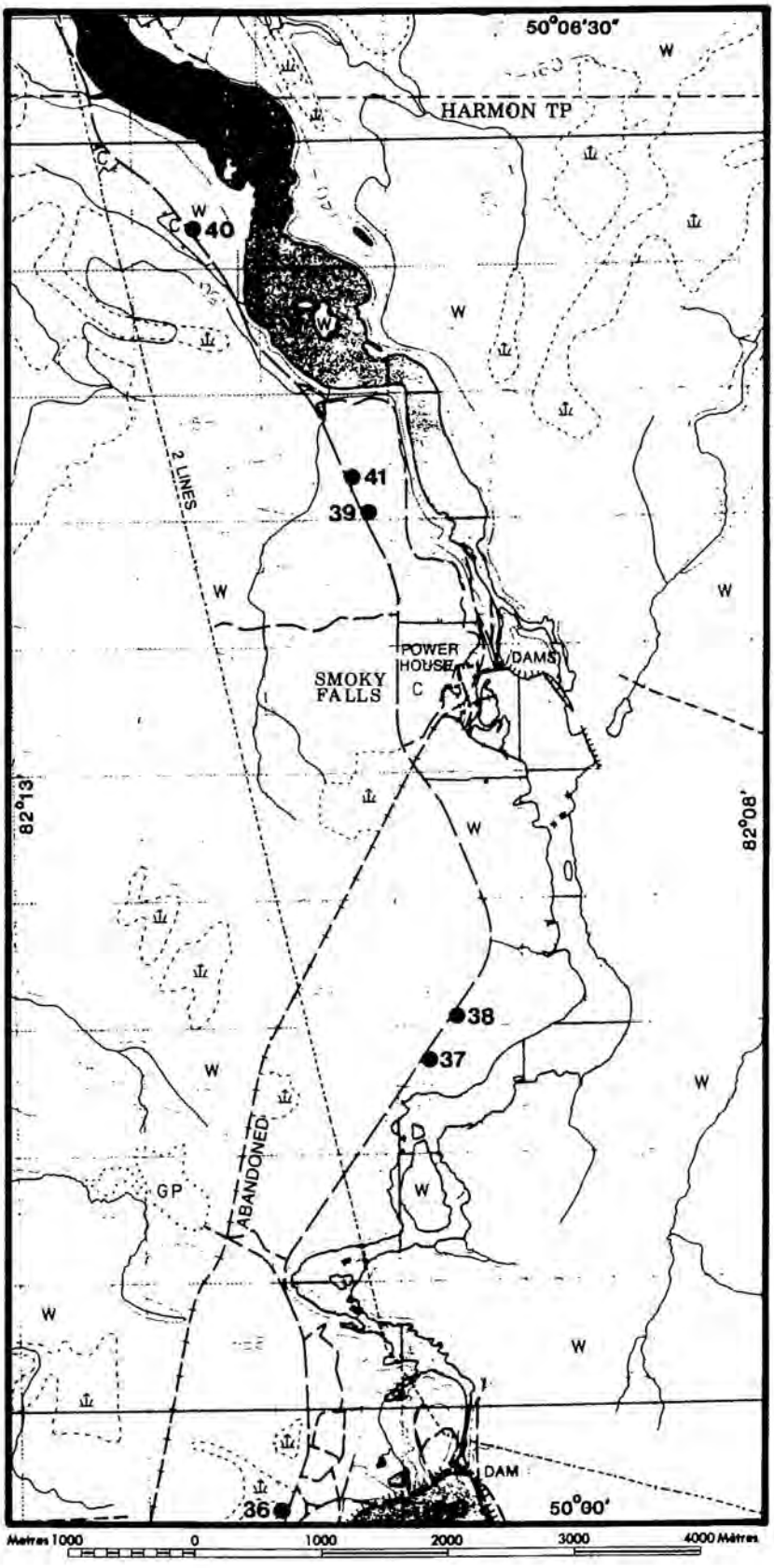

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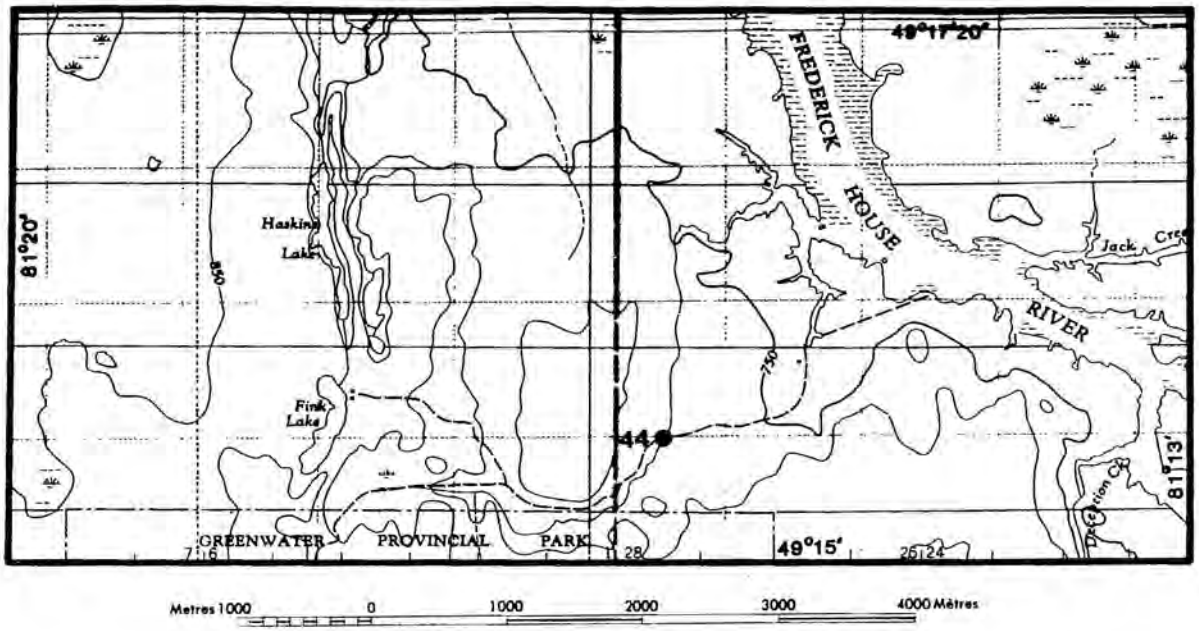

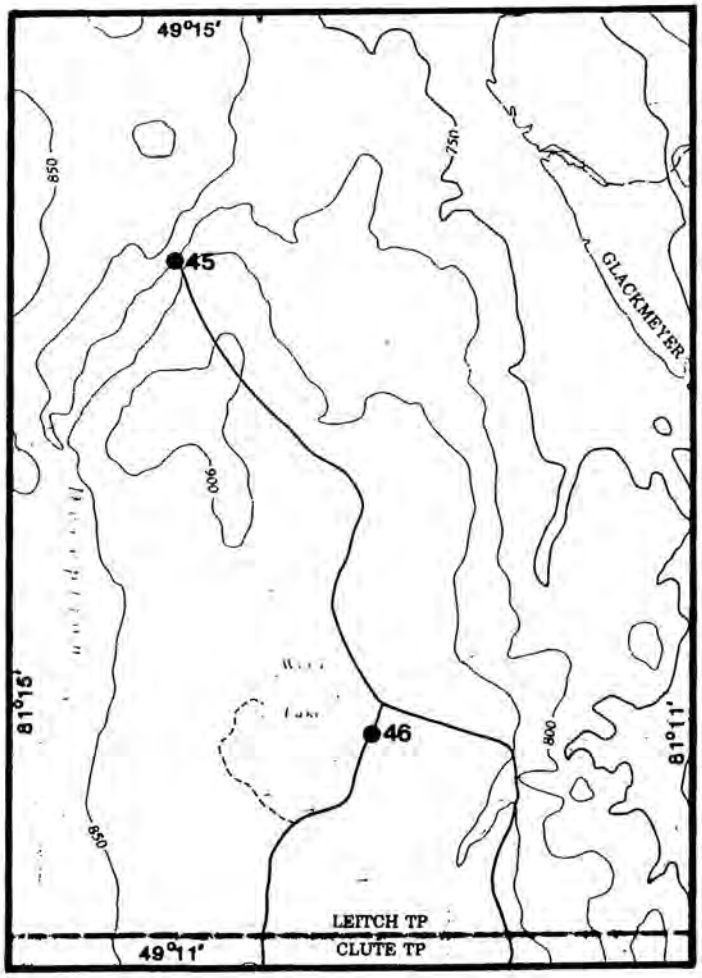

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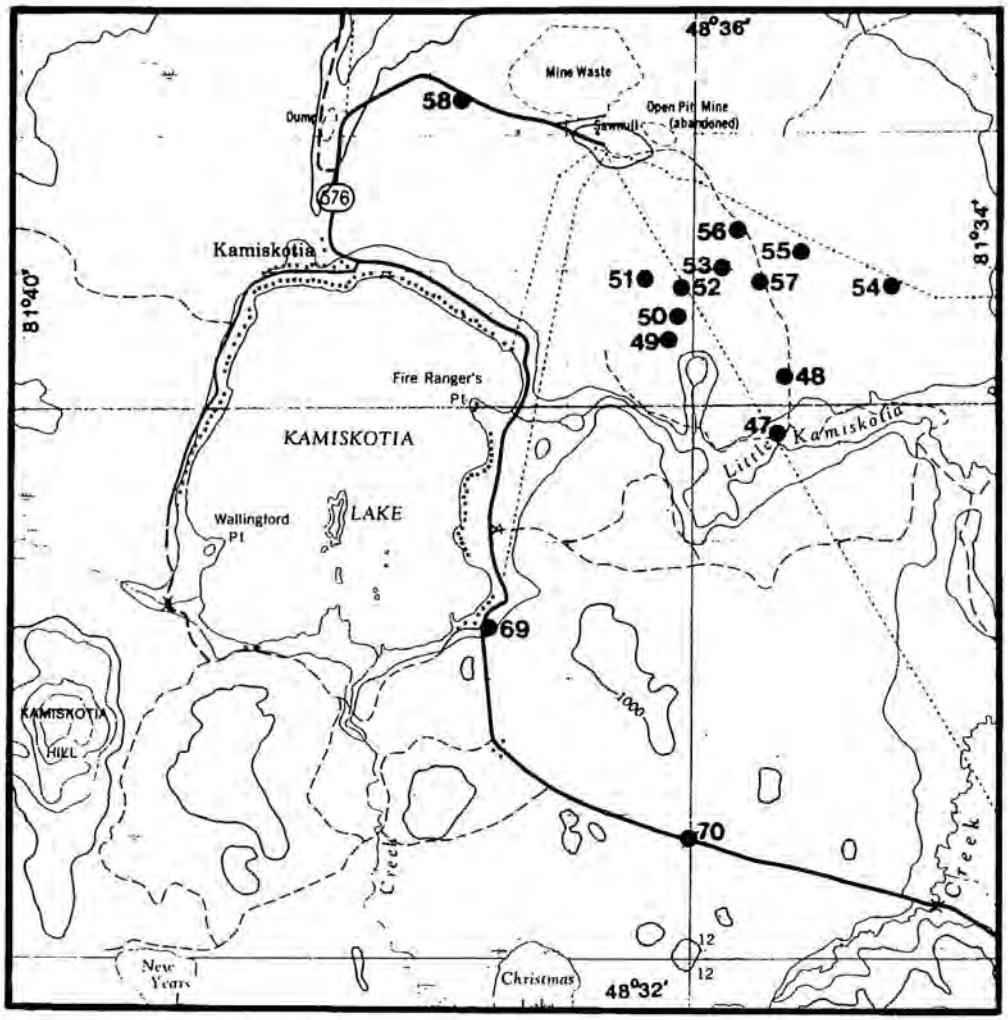

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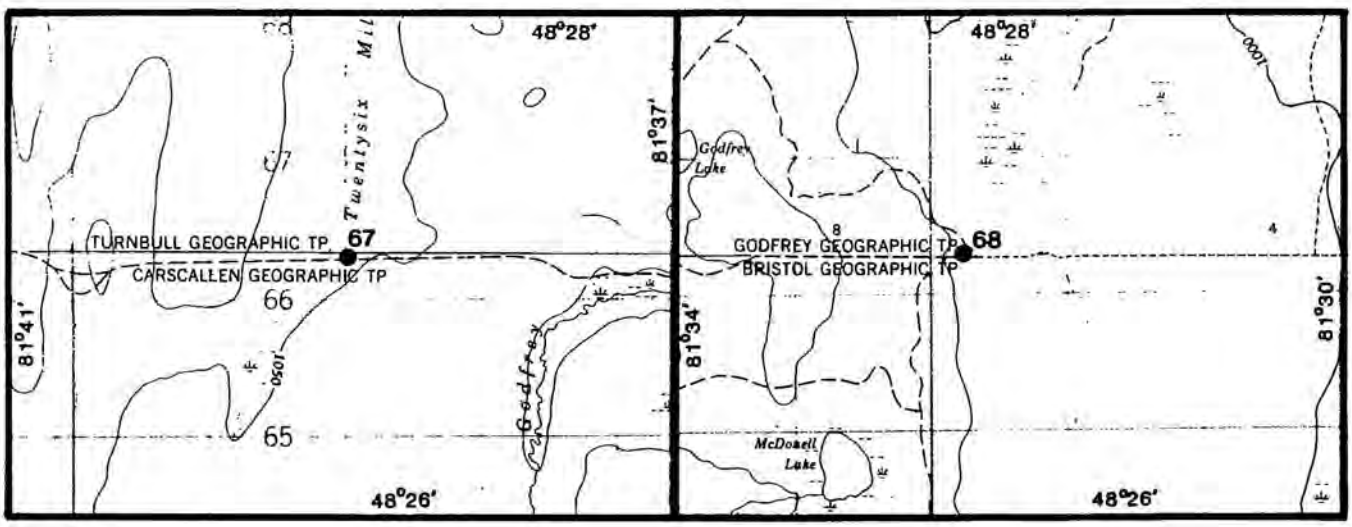

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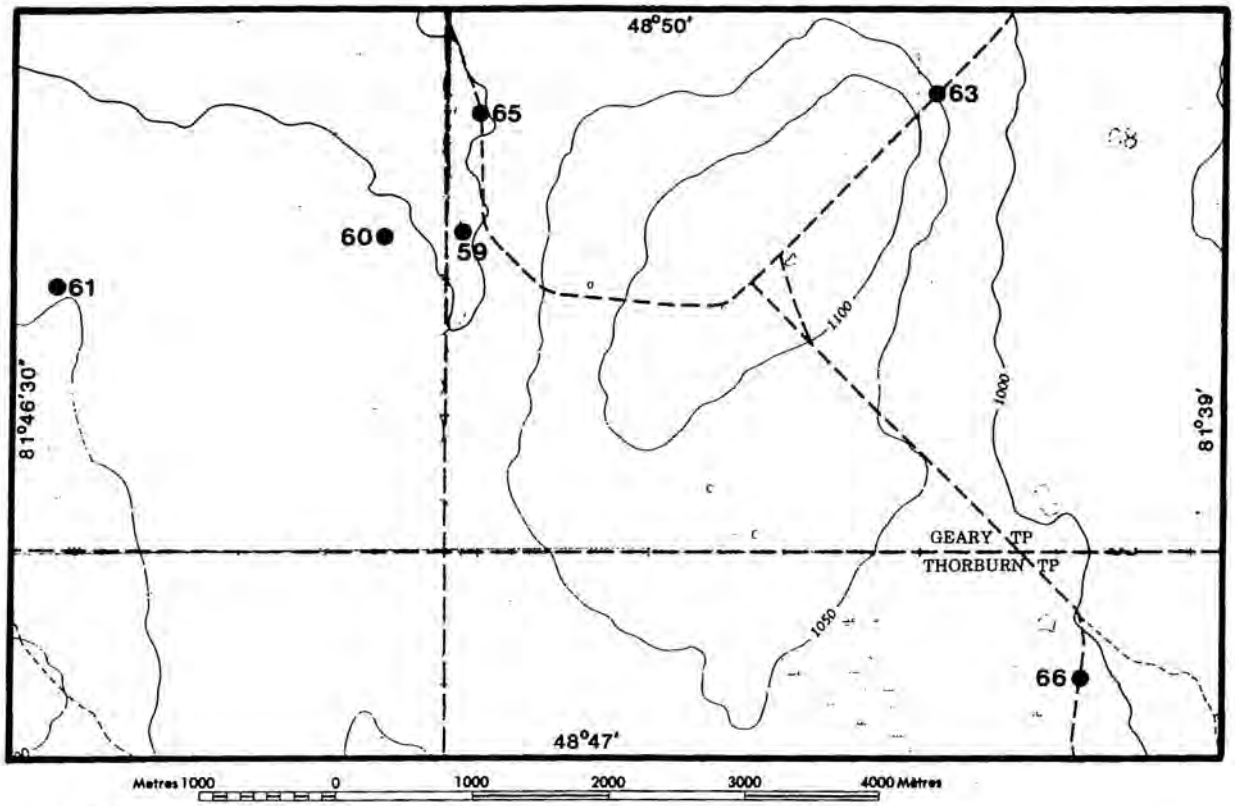

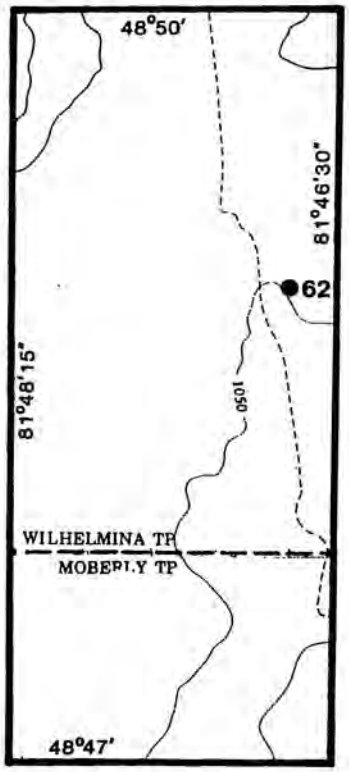

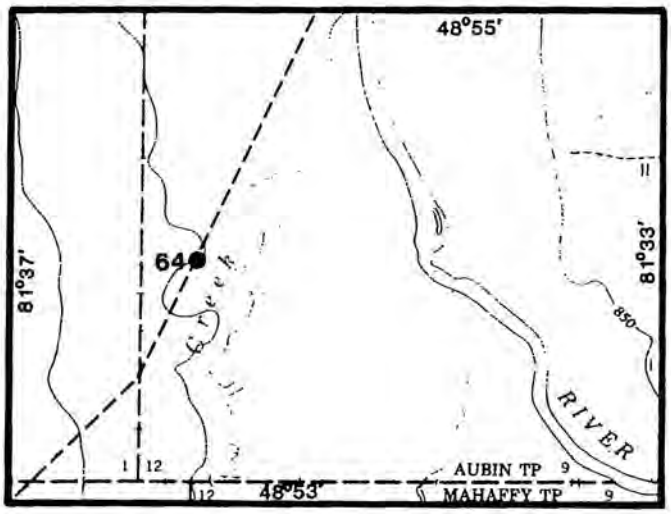

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APPENDIX II

Tabulated Core Sample Data

Sample descriptions
1987 98
1988 105

Geochemical Results
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Heavy mineral fraction 158

Lithological Results
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The following lithofacies code abbreviations are used in the 1987 sediment-type descriptions.

FM - *fine-grained, massive*
FMC or F/C - *fine-grained, massive with clasts*
FL - *fine-grained, laminated*
FLC - *fine grained, laminated with clasts*
DMM - *diamicton, matrix-supported, massive*
DMS - *diamicton, massive, stratified*
DCM - *diamicton, clast-supported, massive*
S - *sand*
SM - *sand, massive*
SMC - *sand, massive, some, larger clasts*
SL - *sand, laminated*
GM - *gravel, massive*

Note that geochemical results which are reported as half the stated detection limit for a given element are used to denote "less than detection limit values". Also note that for W and Se, the 1987 detection limit of 5ppm was changed to 10ppm for 1988 samples. The latter limit is listed in the tables.

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Sample Descriptions 1987

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)	Upper Depth(ft)	Lower Depth(ft)
87SJB0101	17	463100	5479250	492800	813030	42H/5E	FM/FL	OXIDIZED	2.40	7.33	8.17
87SJB0102	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	3.10	9.83	10.67
87SJB0103	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	3.60	11.33	12.17
87SJB0104	17	463100	5479250	492800	813030	42H/5E	DMS	UNOXIDIZED	4.10	13	14
87SJB0105	17	463100	5479250	492800	813030	42H/5E	DMM	UNOXIDIZED	5.90	19	20
87SJB0106	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	7.80	25	26
87SJB0107	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	10.20	33	34
87SJB0108	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	12	39	40
87SJB0109	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	15.10	49	50
87SJB0110	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	19.70	64	65
87SJB0111	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	23.80	77.5	78.5
87SJB0112	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	27.90	91	92
87SJB0113	17	463100	5479250	492800	813030	42H/5E	FMC	UNOXIDIZED	32.80	107	108
87SJB0114	17	463100	5479250	492800	813030	42H/5E	FL	UNOXIDIZED	36.40	119	120
87SJB0115	17	463100	5479250	492800	813030	42H/5E	DMM	UNOXIDIZED	38.90	127	128
87SJB0201	17	463400	5491400	493430	813030	42H/12	SH		3.5	11	12
87SJB0202	17	463400	5491400	493430	813030	42H/12	SH	OXIDIZED	7	22.5	23.5
87SJB0203	17	463400	5491400	493430	813030	42H/12	FLC	UNOXIDIZED	14.60	47.5	48.5
87SJB0204	17	463400	5491400	493430	813030	42H/12	FLC	UNOXIDIZED	16	52	53
87SJB0205	17	463400	5491400	493430	813030	42H/12	FLC	UNOXIDIZED	17.70	57.5	58.5
87SJB0206	17	463400	5491400	493430	813030	42H/12	FLC	UNOXIDIZED	19.40	63	64
87SJB0207	17	463400	5491400	493430	813030	42H/12	FMC	UNOXIDIZED	22.40	73	74
87SJB0208	17	463400	5491400	493430	813030	42H/12	FMC	UNOXIDIZED	25.60	83.5	84.5
87SJB0209	17	463400	5491400	493430	813030	42H/12	FMC	UNOXIDIZED	29	94.5	95.5
87SJB0210	17	463400	5491400	493430	813030	42H/12	FL	UNOXIDIZED	32.5	106	107
87SJB0211	17	463400	5491400	493430	813030	42H/12	FMC	UNOXIDIZED	34.70	113.5	114.5
87SJB0212	17	463400	5491400	493430	813030	42H/12	DMM	UNOXIDIZED	38.30	125	126
87SJB0213	17	463400	5491400	493430	813030	42H/12	DMM	UNOXIDIZED	39.30	128.5	129.5
87SJB0214	17	463400	5491400	493430	813030	42H/12	DMM	UNOXIDIZED	41	134	135
87SJB0215	17	463400	5491400	493430	813030	42H/12	DMM	UNOXIDIZED	42.5	139	140
87SJB0216	17	463400	5491400	493430	813030	42H/12	DMM	UNOXIDIZED	43.40	142	143
87SJB0217	17	463400	5491400	493430	813030	42H/12	DMM	UNOXIDIZED	44	144	144.5
87SJB0301	17	462900	5502450	494100	813100	42H/12	F/C	OXIDIZED	1.10	3	4
87SJB0302	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	10.20	33	34
87SJB0303	17	462900	5502450	494100	813100	42H/12	SM	UNOXIDIZED	10.80	35	36
87SJB0304	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	12.60	41	41.7
87SJB0305	17	462900	5502450	494100	813100	42H/12	DCM	UNOXIDIZED	13.40	43.5	44.5
87SJB0306	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	16.5	53.5	54.5
87SJB0307	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	19.40	63	64
87SJB0308	17	462900	5502450	494100	813100	42H/12	DCS	UNOXIDIZED	21	68.5	69
87SJB0309	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	21.5	70	71
87SJB0310	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	23.30	76	77
87SJB0311	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	27.90	91	92
87SJB0312	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	30.40	99.5	100
87SJB0313	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	31.5	103	104
87SJB0314	17	462900	5502450	494100	813100	42H/12	SM	UNOXIDIZED	33.40	109	110
87SJB0315	17	462900	5502450	494100	813100	42H/12	DMM	UNOXIDIZED	34.60	113	114
87SJB0316	17	462900	5502450	494100	813100	42H/12	SM	UNOXIDIZED	35.80	117	118
87SJB0317	17	462900	5502450	494100	813100	42H/12	SM	UNOXIDIZED	37.60	123	124
87SJB0401	17	464100	5505750	494230	813000	42H/12	S	OXIDIZED	3.70	11.5	12.5
87SJB0402	17	464100	5505750	494230	813000	42H/12	S	OXIDIZED	5.90	19	20
87SJB0403	17	464100	5505750	494230	813000	42H/12	S	OXIDIZED	11.90	38.5	39.5
87SJB0404	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	12.5	40.5	41.5
87SJB0405	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	13.40	43.5	44.5
87SJB0406	17	464100	5505750	494230	813000	42H/12	FL	UNOXIDIZED	16	52	53
87SJB0407	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	17.5	57	58
87SJB0408	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	23.60	77	78

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)	Upper Depth(ft)	Lower Depth(ft)
87SJB0409	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	27	88	89
87SJB0410	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	31.5	103	104
87SJB0411	17	464100	5505750	494230	813000	42H/12	F/C	UNOXIDIZED	32.5	106	107
87SJB0412	17	464100	5505750	494230	813000	42H/12	DMM	UNOXIDIZED	34.40	112	114
87SJB0501	17	462950	5511150	494515	813100	42H/13	S	OXIDIZED	6.90	22	23
87SJB0502	17	462950	5511150	494515	813100	42H/13	S	OXIDIZED	11.30	36.5	37.5
87SJB0503	17	462950	5511150	494515	813100	42H/13	S	UNOXIDIZED	12	39	40
87SJB0504	17	462950	5511150	494515	813100	42H/13	DMS	UNOXIDIZED	17.80	58	59
87SJB0505	17	462950	5511150	494515	813100	42H/13	DMS/DMM	UNOXIDIZED	20	65	66
87SJB0506	17	462950	5511150	494515	813100	42H/13	DMS/DMM	UNOXIDIZED	23.30	76	77
87SJB0507	17	462950	5511150	494515	813100	42H/13	DMS/DMM	UNOXIDIZED	24.80	81	82
87SJB0508	17	462950	5511150	494515	813100	42H/13	DMS/DMM	UNOXIDIZED	27	88	89
87SJB0509	17	462950	5511150	494515	813100	42H/13	DMM	UNOXIDIZED	28.70	93	95
87SJB0510	17	462950	5511150	494515	813100	42H/13	DMM	UNOXIDIZED	32	104.5	105.5
87SJB0511	17	462950	5511150	494515	813100	42H/13	F/C	UNOXIDIZED	33.70	110	111
87SJB0601	17	452100	5527150	495400	814000	42H/13	DMM	OXIDIZED	1.10	3	4
87SJB0602	17	452100	5527150	495400	814000	42H/13	DMM	OXIDIZED	1.80	5.5	6.17
87SJB0603	17	452100	5527150	495400	814000	42H/13	DMM	OXIDIZED	2.30	7	8
87SJB0604	17	452100	5527150	495400	814000	42H/13	DMM	UNOXIDIZED	3.80	12	13
87SJB0605	17	452100	5527150	495400	814000	42H/13	DMM	UNOXIDIZED	4.90	15.5	16.5
87SJB0606	17	452100	5527150	495400	814000	42H/13	DMM	OXIDIZED	5.30	17	18
87SJB0607	17	452100	5527150	495400	814000	42H/13	SH	OXIDIZED	10.5	34	35
87SJB0608	17	452100	5527150	495400	814000	42H/13	SM/SH	UNOXIDIZED	13	42	43
87SJB0609	17	452100	5527150	495400	814000	42H/13	FL	UNOXIDIZED	20.30	66	67
87SJB0610	17	452100	5527150	495400	814000	42H/13	SH/FL	UNOXIDIZED	24.80	81	82
87SJB0611	17	452100	5527150	495400	814000	42H/13	SH	UNOXIDIZED	37.90	124	125
87SJB0612	17	452100	5527150	495400	814000	42H/13	FM	UNOXIDIZED	43.10	141	142
87SJB0613	17	452100	5527150	495400	814000	42H/13	SH	UNOXIDIZED	57.20	187	188
87SJB0614	17	452100	5527150	495400	814000	42H/13	FL	UNOXIDIZED	65.40	214	215
87SJB0615	17	452100	5527150	495400	814000	42H/13	FL	UNOXIDIZED	72.40	237	238
87SJB0616	17	452100	5527150	495400	814000	42H/13	FM	UNOXIDIZED	75.40	247	248
87SJB0617	17	452100	5527150	495400	814000	42H/13	FM	UNOXIDIZED	81.40	266.5	267.5
87SJB0618	17	452100	5527150	495400	814000	42H/13	FM	UNOXIDIZED	82	268.5	268.5
87SJB0701	17	443100	5530100	495530	814730	42H/13	FL	OXIDIZED	4.70	15	16
87SJB0702	17	443100	5530100	495530	814730	42H/13	SM	UNOXIDIZED	20.30	66	67
87SJB0703	17	443100	5530100	495530	814730	42H/13	SM	UNOXIDIZED	30.90	101	102
87SJB0801	17	463400	5487100	493200	813030	42H/12	DMM	OXIDIZED	2.30	7	8
87SJB0802	17	463400	5487100	493200	813030	42H/12	DMM	OXIDIZED	1.10	3	4
87SJB0803	17	463400	5487100	493200	813030	42H/12	DMM/FMC	UNOXIDIZED	5.60	18	19
87SJB0804	17	463400	5487100	493200	813030	42H/12	DMM/FMC	UNOXIDIZED	9	29	30
87SJB0805	17	463400	5487100	493200	813030	42H/12	DMM/FMC	UNOXIDIZED	11.70	37.5	38.5
87SJB0806	17	463400	5487100	493200	813030	42H/12	FMC	UNOXIDIZED	15.10	49	50
87SJB0807	17	463400	5487100	493200	813030	42H/12	FMC	UNOXIDIZED	17.20	56	57
87SJB0808	17	463400	5487100	493200	813030	42H/12	FMC	UNOXIDIZED	22.10	72	73
87SJB0809	17	463400	5487100	493200	813030	42H/12	FMC	UNOXIDIZED	27	88	89
87SJB0810	17	463400	5487100	493200	813030	42H/12	FL	UNOXIDIZED	30.30	99	100
87SJB0811	17	463400	5487100	493200	813030	42H/12	DMM	UNOXIDIZED	33.40	109	110
87SJB0812	17	463400	5487100	493200	813030	42H/12	DMM	UNOXIDIZED	37.60	123	124
87SJB0813	17	463400	5487100	493200	813030	42H/12	DMM	UNOXIDIZED	39.20	128	129
87SJB0901	17	448550	5455900	491730	814230	42H/5E	DMM	OXIDIZED	1.40	4	5.5
87SJB0902	17	448550	5455900	491730	814230	42H/5E	DMM/FM	UNOXIDIZED	3.20	10	11
87SJB0903	17	448550	5455900	491730	814230	42H/5E	FM	UNOXIDIZED	4.30	13.5	14.5
87SJB0904	17	448550	5455900	491730	814230	42H/5E	FM	UNOXIDIZED	7.80	25	26
87SJB0905	17	448550	5455900	491730	814230	42H/5E	FL	UNOXIDIZED	13	42	43
87SJB1001	17	448700	5452450	491330	814200	42H/4	DMM	OXIDIZED	2.30	7	8
87SJB1002	17	448700	5452450	491330	814200	42H/4	FM	UNOXIDIZED	3.70	11.5	12.5
87SJB1003	17	448700	5452450	491330	814200	42H/4	FM/FMC	UNOXIDIZED	5	16	17

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)	Upper Depth(ft)	Lower Depth(ft)
87SJB1101	17	448100	5449000	491130	814230	42H/4	FMC	OXIDIZED	1.10	3	4
87SJB1102	17	448100	5449000	491130	814230	42H/4	FMC	OXIDIZED	2.10	6.5	7.5
87SJB1103	17	448100	5449000	491130	814230	42H/4	FMC	UNOXIDIZED	2.80	12	13
87SJB1104	17	448100	5449000	491130	814230	42H/4	FMC	UNOXIDIZED	6.90	22	23
87SJB1105	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	10.20	33	34
87SJB1106	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	14.30	46.5	47.5
87SJB1107	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	14.80	48	49
87SJB1108	17	448100	5449000	491130	814230	42H/4	DMS	UNOXIDIZED	17.80	58	59
87SJB1109	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	23	75	76
87SJB1110	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	24.20	79	80
87SJB1111	17	448100	5449000	491130	814230	42H/4	DCM	UNOXIDIZED	27.90	91	92
87SJB1112	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	28.80	94	95
87SJB1113	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	32.5	106	107
87SJB1114	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	35.20	115	116
87SJB1115	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	36.40	119	120
87SJB1116	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	37.30	122	123
87SJB1117	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	37.90	124	125
87SJB1118	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	39.60	129.5	130.5
87SJB1119	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	40.80	133.5	134.5
87SJB1120	17	448100	5449000	491130	814230	42H/4	DMM	UNOXIDIZED	41.60	136	137
87SJB1201	17	403600	5475375	492530	822000	42G/8	FL	OXIDIZED	0.80	2	3
87SJB1202	17	403600	5475375	492530	822000	42G/8	SM	OXIDIZED	2.30	7	8
87SJB1203	17	403600	5475375	492530	822000	42G/8	SM	UNOXIDIZED	5	16	17
87SJB1204	17	403600	5475375	492530	822000	42G/8	SMC	UNOXIDIZED	13.90	45	46
87SJB1205	17	403600	5475375	492530	822000	42G/8	SMC	UNOXIDIZED	17.5	57	58
87SJB1206	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	19.5	63.5	64.5
87SJB1207	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	21.10	69	69.5
87SJB1208	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	23.30	76	77
87SJB1209	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	24.5	80	81
87SJB1210	17	403600	5475375	492530	822000	42G/8	SMC	UNOXIDIZED	25.60	83.5	84.5
87SJB1211	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	26.40	86	87
87SJB1212	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	27.90	91	92
87SJB1213	17	403600	5475375	492530	822000	42G/8	DMM	UNOXIDIZED	29.20	95.5	96
87SJB1301	17	407075	5479550	492730	821700	42G/8	FL	OXIDIZED	1.40	4.5	5
87SJB1302	17	407075	5479550	492730	821700	42G/8	FMC	OXIDIZED	2	6	7
87SJB1303	17	407075	5479550	492730	821700	42G/8	FM	UNOXIDIZED	2.60	8	9
87SJB1304	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	4.40	14	15
87SJB1305	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	6.40	20.5	21.5
87SJB1306	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	8.5	27.5	28.5
87SJB1307	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	10.10	32.5	33.5
87SJB1308	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	11.10	36	37
87SJB1309	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	13.30	43	44
87SJB1310	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	15.70	51	52
87SJB1311	17	407075	5479550	492730	821700	42G/8	DMC	UNOXIDIZED	16.20	52.5	53.5
87SJB1312	17	407075	5479550	492730	821700	42G/8	DMS	UNOXIDIZED	17.20	56	57
87SJB1313	17	407075	5479550	492730	821700	42G/8	DMS	UNOXIDIZED	20.30	66	67
87SJB1314	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	21.5	70	71
87SJB1315	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	23.60	77	78
87SJB1316	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	24.20	79	80
87SJB1317	17	407075	5479550	492730	821700	42G/8	DMS	UNOXIDIZED	25.5	83	84
87SJB1318	17	407075	5479550	492730	821700	42G/8	SMC	UNOXIDIZED	26.70	87	88
87SJB1319	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	29.90	97.5	98.5
87SJB1320	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	31.20	102	103
87SJB1321	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	33.70	110	111
87SJB1322	17	407075	5479550	492730	821700	42G/8	DMM	UNOXIDIZED	34.90	114	115
87SJB1401	17	411700	5487050	493200	821300	42G/9	FMC	OXIDIZED	2.30	7	8
87SJB1402	17	411700	5487050	493200	821300	42G/9	FM	UNOXIDIZED	4.40	14	15

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)	Upper Depth(ft)	Lower Depth(ft)
87SJB1403	17	411700	5487050	493200	821300	42G/9	FM	UNOXIDIZED	9	29	30
87SJB1404	17	411700	5487050	493200	821300	42G/9	FM/FL	UNOXIDIZED	11.10	36	37
87SJB1501	17	414300	5489700	493320	821130	42G/9	DMM	OXIDIZED	2	6	7
87SJB1502	17	414300	5489700	493320	821130	42G/9	FL	UNOXIDIZED	4.40	14	15
87SJB1503	17	414300	5489700	493320	821130	42G/9	FL	UNOXIDIZED	8.10	26	27
87SJB1504	17	414300	5489700	493320	821130	42G/9	FL	UNOXIDIZED	8.80	28.5	29.5
87SJB1601	17	408475	5482100	492900	821545	42G/8	SM	OXIDIZED	2.30	7	8
87SJB1602	17	408475	5482100	492900	821545	42G/8	SM	OXIDIZED	3.80	12	13
87SJB1603	17	408475	5482100	492900	821545	42G/8	SM	UNOXIDIZED	5.30	17	18
87SJB1604	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	6.90	22	23
87SJB1605	17	408475	5482100	492900	821545	42G/8	FM	UNOXIDIZED	8.70	28	29
87SJB1606	17	408475	5482100	492900	821545	42G/8	FL	UNOXIDIZED	14.20	46	47
87SJB1607	17	408475	5482100	492900	821545	42G/8	FL	UNOXIDIZED	15.80	51.5	52.5
87SJB1608	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	17.70	57.5	58.5
87SJB1609	17	408475	5482100	492900	821545	42G/8	DMS	UNOXIDIZED	18.70	61	62
87SJB1610	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	19.70	64	65
87SJB1611	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	20.90	68	69
87SJB1612	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	21.80	71	72
87SJB1613	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	22.40	73	74
87SJB1614	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	23.60	77	78
87SJB1615	17	408475	5482100	492900	821545	42G/8	DMM	UNOXIDIZED	24.5	80	81
87SJB1701	17	395600	5439850	490615	822530	42G/1	FMC	OXIDIZED	1.20	3.5	4.5
87SJB1702	17	395600	5439850	490615	822530	42G/1	FM	UNOXIDIZED	5	16	17
87SJB1703	17	395600	5439850	490615	822530	42G/1	FM	UNOXIDIZED	10.20	33	34
87SJB1704	17	395600	5439850	490615	822530	42G/1	FL	UNOXIDIZED	13.30	43	44
87SJB1705	17	395600	5439850	490615	822530	42G/1	FL	UNOXIDIZED	17.80	58	59
87SJB1706	17	395600	5439850	490615	822530	42G/1	SM	UNOXIDIZED	19.40	63	64
87SJB1707	17	395600	5439850	490615	822530	42G/1	SM	UNOXIDIZED	22.10	72	73
87SJB1708	17	395600	5439850	490615	822530	42G/1	SM	UNOXIDIZED	23.60	77	78
87SJB1709	17	395600	5439850	490615	822530	42G/1	SM	UNOXIDIZED	26.40	86	87
87SJB1710	17	395600	5439850	490615	822530	42G/1	SM	UNOXIDIZED	29.40	96	97
87SJB1711	17	395600	5439850	490615	822530	42G/1	FM	UNOXIDIZED	31.5	103	104
87SJB1712	17	395600	5439850	490615	822530	42G/1	FM	UNOXIDIZED	32.80	107	108
87SJB1801	17	395250	5437700	490500	822600	42G/1	DMM	OXIDIZED	2	6	7
87SJB1802	17	395250	5437700	490500	822600	42G/1	DMM	OXIDIZED	2.30	7	8
87SJB1803	17	395250	5437700	490500	822600	42G/1	FM	UNOXIDIZED	3.5	11	12
87SJB1804	17	395250	5437700	490500	822600	42G/1	FL	UNOXIDIZED	4.80	15.5	16
87SJB1805	17	395250	5437700	490500	822600	42G/1	SM	UNOXIDIZED	7.80	25.5	26
87SJB1806	17	395250	5437700	490500	822600	42G/1	SM	UNOXIDIZED	9.90	32	33
87SJB1807	17	395250	5437700	490500	822600	42G/1	SM	UNOXIDIZED	14.20	46	47
87SJB1808	17	395250	5437700	490500	822600	42G/1	SM	UNOXIDIZED	17.80	58	59
87SJB1809	17	395250	5437700	490500	822600	42G/1	SM	UNOXIDIZED	20.60	67	68
87SJB1810	17	395250	5437700	490500	822600	42G/1	SM	UNOXIDIZED	22.10	72	73
87SJB1811	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	23.30	76	77
87SJB1812	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	25.10	82	83
87SJB1813	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	26.40	86	87
87SJB1814	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	29.60	96.5	97.5
87SJB1815	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	31.20	102	103
87SJB1816	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	33.70	110	111
87SJB1817	17	395250	5437700	490500	822600	42G/1	DMM	UNOXIDIZED	34.90	114	115
87SJB1901	17	392500	5428700	490015	822815	42G/1	FM	OXIDIZED	1.40	4	5
87SJB1902	17	392500	5428700	490015	822815	42G/1	FMC	OXIDIZED	1.80	5.5	6.5
87SJB1903	17	392500	5428700	490015	822815	42G/1	DMM	OXIDIZED	2.90	9	10
87SJB1904	17	392500	5428700	490015	822815	42G/1	SM	OXIDIZED	6.20	20	21
87SJB1905	17	392500	5428700	490015	822815	42G/1	SM	OXIDIZED	10.5	34	35
87SJB1906	17	392500	5428700	490015	822815	42G/1	S	UNOXIDIZED	13.90	45	46
87SJB1907	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	15.70	51	52

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)	Upper Depth(ft)	Lower Depth(ft)
87SJB1908	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	17	55.5	56
87SJB1909	17	392500	5428700	490015	822815	42G/1	DMS	UNOXIDIZED	19.40	63	64
87SJB1910	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	22.10	72	73
87SJB1911	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	24.30	79.5	80
87SJB1912	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	25.10	82	83
87SJB1913	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	27	88	89
87SJB1914	17	392500	5428700	490015	822815	42G/1	DMM	UNOXIDIZED	28.20	92	93
87SJB1915	17	392500	5428700	490015	822815	42G/1	S1	UNOXIDIZED	29	95	95.5
87SJB1916	17	392500	5428700	490015	822815	42G/1	SM	UNOXIDIZED	30.90	101	102
87SJB1917	17	392500	5428700	490015	822815	42G/1	SM	UNOXIDIZED	34	111	112
87SJB1918	17	392500	5428700	490015	822815	42G/1	DMM	OXIDIZED	34.60	113	114
87SJB1919	17	392500	5428700	490015	822815	42G/1	SAPROLT	OXIDIZED	34.90	114	115
87SJB1920	17	392500	5428700	490015	822815	42G/1	SAPROLT	OXIDIZED	36.90	120	122
87SJB2001	17	388700	5419550	485520	823112	42B/15	FL	OXIDIZED	2	6	7
87SJB2002	17	388700	5419550	485520	823112	42B/15	FM	OXIDIZED	2.90	9	10
87SJB2003	17	388700	5419550	485520	823112	42B/15	FM	UNOXIDIZED	7.30	23	25
87SJB2004	17	388700	5419550	485520	823112	42B/15	FM	UNOXIDIZED	13.30	43	44
87SJB2005	17	388700	5419550	485520	823112	42B/15	DMM	UNOXIDIZED	15.20	49	51
87SJB2006	17	388700	5419550	485520	823112	42B/15	DMM	UNOXIDIZED	19.20	62	64
87SJB2007	17	388700	5419550	485520	823112	42B/15	SM	UNOXIDIZED	21.5	70	71
87SJB2008	17	388700	5419550	485520	823112	42B/15	DMM	UNOXIDIZED	21.80	71	72
87SJB2009	17	388700	5419550	485520	823112	42B/15	DMM	UNOXIDIZED	22.10	72	73
87SJB2101	17	387450	5416350	485330	823200	42B/15	FMC	OXIDIZED	2	6	7
87SJB2102	17	387450	5416350	485330	823200	42B/15	DMM/FMC	OXIDIZED	3.5	11	12
87SJB2103	17	387450	5416350	485330	823200	42B/15	FL	UNOXIDIZED	4.5	14.5	15
87SJB2104	17	387450	5416350	485330	823200	42B/15	FM	UNOXIDIZED	6.5	21	22
87SJB2105	17	387450	5416350	485330	823200	42B/15	SM	UNOXIDIZED	9.90	32	33
87SJB2106	17	387450	5416350	485330	823200	42B/15	SM	UNOXIDIZED	13.5	44	45
87SJB2107	17	387450	5416350	485330	823200	42B/15	SM	UNOXIDIZED	16.60	54	55
87SJB2108	17	387450	5416350	485330	823200	42B/15	SM	UNOXIDIZED	20.5	67	68
87SJB2109	17	387450	5416350	485330	823200	42B/15	FM-ORGN	OXIDIZED	22.10	72	73
87SJB2110	17	387450	5416350	485330	823200	42B/15	FL-ORGN	OXIDIZED	22.30	73	73.5
87SJB2111	17	387450	5416350	485330	823200	42B/15	FL-ORGN	OXIDIZED	22.5	73.5	74
87SJB2111	17	387450	5416350	485330	823200	42B/15	FL-ORGN	OXIDIZED	22.70	74	75
87SJB2112	17	387450	5416350	485330	823200	42B/15	FL	OXIDIZED	23	75	76
87SJB2113	17	387450	5416350	485330	823200	42B/15	FL	OXIDIZED	23.30	76	77
87SJB2114	17	387450	5416350	485330	823200	42B/15	DMM	UNOXIDIZED	23.70	77.5	78
87SJB2115	17	387450	5416350	485330	823200	42B/15	DMM	UNOXIDIZED	24.20	79	80
87SJB2116	17	387450	5416350	485330	823200	42B/15	DMS	UNOXIDIZED	24.5	80	81
87SJB2117	17	387450	5416350	485330	823200	42B/15	DMS	UNOXIDIZED	25.10	82	83
87SJB2117	17	387450	5416350	485330	823200	42B/15	DMS	OXIDIZED	25	82	
87SJB2118	17	387450	5416350	485330	823200	42B/15	DMM	UNOXIDIZED	25.70	84	85
87SJB2201	17	386750	5403650	484640	823230	42B/15	FMC	OXIDIZED	1.40	4	5
87SJB2202	17	386750	5403650	484640	823230	42B/15	FM	OXIDIZED	3.80	12	13
87SJB2203	17	386750	5403650	484640	823230	42B/15	FL	OXIDIZED	10.20	33	34
87SJB2204	17	386750	5403650	484640	823230	42B/15	SM	UNOXIDIZED	13.90	45	46
87SJB2205	17	386750	5403650	484640	823230	42B/15	SM/GM	UNOXIDIZED	19	62	63
87SJB2206	17	386750	5403650	484640	823230	42B/15	SM/GM	UNOXIDIZED	22.10	72	73
87SJB2207	17	386750	5403650	484640	823230	42B/15	SM/GM	UNOXIDIZED	29.10	95	96
87SJB2208	17	386750	5403650	484640	823230	42B/15	SM	UNOXIDIZED	35.80	117	118
87SJB2209	17	386750	5403650	484640	823230	42B/15	SM	UNOXIDIZED	41.90	137	138
87SJB2210	17	386750	5403650	484640	823230	42B/15	SM/GM	UNOXIDIZED	46.5	152	153
87SJB2211	17	386750	5403650	484640	823230	42B/15	DMM	UNOXIDIZED	47.70	156	157
87SJB2212	17	386750	5403650	484640	823230	42B/15	DMM	UNOXIDIZED	48.90	160	161
87SJB2213	17	386750	5403650	484640	823230	42B/15	DMM	UNOXIDIZED	49.80	163	164
87SJB2214	17	386750	5403650	484640	823230	42B/15	DMM	UNOXIDIZED	50.40	165	166
87SJB2215	17	386750	5403650	484640	823230	42B/15	DMM	UNOXIDIZED	52.30	171	172

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)	Upper Depth(ft)	Lower Depth(ft)
87SJB2301	17	388150	5410100	485010	823120	42B/15	FM	OXIDIZED	2	6	7
87SJB2302	17	388150	5410100	485010	823120	42B/15	FM	OXIDIZED	4.10	13	14
87SJB2303	17	388150	5410100	485010	823120	42B/15	FM	UNOXIDIZED	6.20	20	21
87SJB2304	17	388150	5410100	485010	823120	42B/15	FM	UNOXIDIZED	8.70	28	29
87SJB2305	17	388150	5410100	485010	823120	42B/15	FL	UNOXIDIZED	11.40	37	38
87SJB2306	17	388150	5410100	485010	823120	42B/15	FL	UNOXIDIZED	14	45	46
87SJB2307	17	388150	5410100	485010	823120	42B/15	FL	UNOXIDIZED	16.30	53	54
87SJB2308	17	388150	5410100	485010	823120	42B/15	SM	UNOXIDIZED	19	62	63
87SJB2309	17	388150	5410100	485010	823120	42B/15	SM	UNOXIDIZED	22.10	72	73
87SJB2310	17	388150	5410100	485010	823120	42B/15	SM	UNOXIDIZED	24.20	79	80
87SJB2311	17	388150	5410100	485010	823120	42B/15	SM	UNOXIDIZED	32.80	107	108
87SJB2401	17	395200	5428700	490345	822615	42G/1	DMM	OXIDIZED	2.30	7	8
87SJB2402	17	395200	5428700	490345	822615	42G/1	FM	OXIDIZED	5	16	17
87SJB2403	17	395200	5428700	490345	822615	42G/1	SM	UNOXIDIZED	8.10	26	27
87SJB2501	17	392500	5428700	490020	822806	42G/1	FM	OXIDIZED	2.30	7	8
87SJB2502	17	392500	5428700	490020	822806	42G/1	FM	UNOXIDIZED	5	16	17
87SJB2503	17	392500	5428700	490020	822806	42G/1	SM	UNOXIDIZED	9.90	32	33
87SJB2504	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	13	42	43
87SJB2505	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	13.30	43.5	44
87SJB2506	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	15.70	51	52
87SJB2507	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	17.5	57	58
87SJB2508	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	19.30	63	63.5
87SJB2509	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	20.20	66	67
87SJB2510	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	21.60	70.5	71
87SJB2511	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	22.30	73	73.5
87SJB2512	17	392500	5428700	490020	822806	42G/1	DMM	UNOXIDIZED	23.70	77	79
87SJB2513	17	392500	5428700	490020	822806	42G/1	SAPROLT	UNOXIDIZED	24.10	79	79.5
87SJB2601	17	407050	5479450	492730	821700	42G/8	FM	OXIDIZED	2	6	7
87SJB2602	17	407050	5479450	492730	821700	42G/8	DMM	OXIDIZED	4.10	13	14
87SJB2603	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	5.90	19	20
87SJB2604	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	8.40	27	28
87SJB2605	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	10.80	35	36
87SJB2606	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	12.60	41	42
87SJB2607	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	13.30	43	44
87SJB2608	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	17.20	56	57
87SJB2609	17	407050	5479450	492730	821700	42G/8	FM	UNOXIDIZED	17.60	57.5	58
87SJB2610	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	20	65	66
87SJB2611	17	407050	5479450	492730	821700	42G/8	DMS	UNOXIDIZED	22.40	73	74
87SJB2612	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	24.80	81	82
87SJB2613	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	26	85	86
87SJB2614	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	28.5	93	94
87SJB2615	17	407050	5479450	492730	821700	42G/8	DMM	UNOXIDIZED	29.30	95.5	96.5

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB2701	17	410782	5500040	493940	820830	42G/9	SAND	UNOXIDIZED	5Y6/1	6.55	21.0- 22.0
88SJB2702	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	2.5Y4/0	7.32	23.0- 25.0
88SJB2703	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	8.46	27.0- 28.0
88SJB2704	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/2	9.54	30.0- 32.0
88SJB2705	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y4/1	10.87	35.0- 36.0
88SJB2706	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	11.72	38.0- 39.0
88SJB2707	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	12.95	42.0- 43.0
88SJB2708	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	14.48	47.0- 48.0
88SJB2709	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	15.39	50.0- 51.0
88SJB2710	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	16.08	52.5- 53.0
88SJB2711	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	16.92	55.0- 56.0
88SJB2712	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	17.89	58.0- 59.0
88SJB2713	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	19.05	62.0- 63.0
88SJB2714	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	20.25	66.0- 67.0
88SJB2715	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y6/1	21.49	70.0- 71.0
88SJB2716	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y6/1	22.71	74.0- 75.0
88SJB2717	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	23.32	76.0- 77.0
88SJB2718	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	24.84	81.0- 82.0
88SJB2719	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	26.37	86.0- 87.0
88SJB2720	17	410782	5500040	493940	820830	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	27.58	90.0- 91.0
88SJB2721	17	410782	5500040	493940	820830	42G/9	SAND	UNOXIDIZED		28.50	93.0- 94.0
88SJB2722	17	410782	5500040	493940	820830	42G/9	SAND	UNOXIDIZED		29.72	97.0- 98.0
88SJB2801	17	415600	5499150	493830	821020	42G/9	CLAY	UNOXIDIZED	5Y5/1	3.51	11.0- 12.0
88SJB2802	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED	5Y6/1	5.03	16.0- 17.0
88SJB2803	17	415600	5499150	493830	821020	42G/9	CLAY-SILT	UNOXIDIZED	5Y5/1	6.86	22.0- 23.0
88SJB2804	17	415600	5499150	493830	821020	42G/9	CLAY	UNOXIDIZED	5Y5/1	9.30	30.0- 31.0
88SJB2805	17	415600	5499150	493830	821020	42G/9	CLAY	UNOXIDIZED	5Y5/1	12.04	39.0- 40.0
88SJB2806	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED		12.95	42.0- 43.0
88SJB2807	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED		13.87	45.0- 46.0
88SJB2808	17	415600	5499150	493830	821020	42G/9	ORGANIC	UNOXIDIZED	5Y4/1	14.17	46.0- 47.0
88SJB2809	17	415600	5499150	493830	821020	42G/9	ORGANIC	UNOXIDIZED		14.48	47.0- 48.0
88SJB2810	17	415600	5499150	493830	821020	42G/9	ORGANIC	UNOXIDIZED	5Y3/1	14.71	48.0- 48.5
88SJB2811	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED		15.39	50.0- 51.0
88SJB2812	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	2.5Y6/2	16.46	53.5- 54.5
88SJB2813	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	2.5Y6/2	17.22	56.0- 57.0
88SJB2814	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED	5Y6/2	18.75	61.0- 62.0
88SJB2815	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED	5Y6/1	20.56	67.0- 68.0
88SJB2816	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	22.40	73.0- 74.0
88SJB2817	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	23.62	77.0- 78.0
88SJB2818	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	24.84	81.0- 82.0
88SJB2819	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	26.29	85.5- 87.0
88SJB2820	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y5/1	26.59	87.0- 87.5
88SJB2821	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y5/1	27.81	90.5- 92.0
88SJB2822	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y5/1	28.50	93.0- 94.0
88SJB2823	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y4/1	29.72	97.0- 98.0
88SJB2824	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y6/1	30.63	100.0-101.0
88SJB2825	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y5/1	32.16	105.0-106.0
88SJB2826	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y5/1	33.07	108.0-109.0
88SJB2827	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y6/1	34.59	113.0-114.0
88SJB2828	17	415600	5499150	493830	821020	42G/9	CLAY	UNOXIDIZED	5Y6/1	37.03	121.0-122.0
88SJB2829	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y6/1	37.64	129.0-124.0
88SJB2830	17	415600	5499150	493830	821020	42G/9	SILT	UNOXIDIZED	5Y6/1	38.86	127.0-128.0
88SJB2831	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED	5Y6/1	40.69	133.0-134.0
88SJB2832	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED	5Y6/1	42.82	140.0-141.0
88SJB2833	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y6/1	47.70	156.0-157.0
88SJB2834	17	415600	5499150	493830	821020	42G/9	SAND	UNOXIDIZED	5Y6/1	45.26	148.0-149.0
88SJB2835	17	415600	5499150	493830	821020	42G/9	DIAMICTON	UNOXIDIZED	5Y6/1	48.92	160.0-161.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB2836	17	415600	5499150	493830	821020	42G/9	BEDROCK	UNOXIDIZED		51.36	168.0-169.0
88SJB2901	17	414100	5502400	494020	821118	42G/9	SAND	MOTTLED	2.5Y6/2	2.97	9.0- 10.5
88SJB2902	17	414100	5502400	494020	821118	42G/9	SAND	OXIDIZED	2.5Y6/2	4.57	14.8- 15.2
88SJB2903	17	414100	5502400	494020	821118	42G/9	SAND	OXIDIZED	2.5Y6/2	6.25	20.0- 21.0
88SJB2904	17	414100	5502400	494020	821118	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	8.38	27.0- 28.0
88SJB2905	17	414100	5502400	494020	821118	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	8.99	29.0- 30.0
88SJB2906	17	414100	5502400	494020	821118	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	10.21	33.0- 34.0
88SJB2907	17	414100	5502400	494020	821118	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	11.66	37.5- 39.0
88SJB2908	17	414100	5502400	494020	821118	42G/9	DIAMICTON	UNOXIDIZED	5Y4/2	12.42	39.5- 42.0
88SJB3001	17	414090	5500710	493948	821122	42G/9	DIAMICTON	MOTTLED	2.5Y5/4	1.07	2.0- 5.0
88SJB3002	17	414090	5500710	493948	821122	42G/9	ORGANIC	UNOXIDIZED	2.5Y4/2	1.68	5.0- 6.0
88SJB3003	17	414090	5500710	493948	821122	42G/9	ORGANIC	UNOXIDIZED	2.5Y3/2	2.36	7.0- 8.5
88SJB3004	17	414090	5500710	493948	821122	42G/9	CLAY	UNOXIDIZED	5Y5/2	3.51	11.0- 12.0
88SJB3005	17	414090	5500710	493948	821122	42G/9	CLAY	MOTTLED	5Y4/2	5.79	18.5- 19.5
88SJB3006	17	414090	5500710	493948	821122	42G/9	CLAY	UNOXIDIZED	5Y5/2	8.23	26.0- 28.0
88SJB3007	17	414090	5500710	493948	821122	42G/9	CLAY	UNOXIDIZED	5Y5/2	11.58	37.5- 38.5
88SJB3008	17	414090	5500710	493948	821122	42G/9	CLAY	UNOXIDIZED	5Y4/2	13.94	45.0- 46.5
88SJB3009	17	414090	5500710	493948	821122	42G/9	DIAMICTON	UNOXIDIZED	5Y5/2	14.25	46.5- 47.0
88SJB3010	17	414090	5500710	493948	821122	42G/9	DIAMICTON	UNOXIDIZED	5Y5/2	15.70	51.0- 52.0
88SJB3011	17	414090	5500710	493948	821122	42G/9	DIAMICTON	UNOXIDIZED	5Y5/2	17.07	55.5- 56.5
88SJB3012	17	414090	5500710	493948	821122	42G/9	DIAMICTON	UNOXIDIZED	5Y5/2	18.14	59.0- 60.0
88SJB3101	17	415100	5499600	493900	821033	42G/9	DIAMICTON	OXIDIZED	10YR5/3	0.76	2.0- 3.0
88SJB3102	17	415100	5499600	493900	821033	42G/9	DIAMICTON	MOTTLED	2.5Y5/3	2.36	7.0- 8.5
88SJB3103	17	415100	5499600	493900	821033	42G/9	DIAMICTON	OXIDIZED	2.5Y5/3	3.20	10.0- 11.0
88SJB3104	17	415100	5499600	493900	821033	42G/9	CLAY	UNOXIDIZED	5Y5/2	4.34	13.5- 15.0
88SJB3105	17	415100	5499600	493900	821033	42G/9	CLAY	UNOXIDIZED	5Y5/2	6.25	20.0- 21.0
88SJB3106	17	415100	5499600	493900	821033	42G/9	CLAY	UNOXIDIZED	5Y5/2	9.45	30.5- 31.5
88SJB3107	17	415100	5499600	493900	821033	42G/9	CLAY	UNOXIDIZED	5Y5/2	10.82	35.0- 36.0
88SJB3108	17	415100	5499600	493900	821033	42G/9	CLAY	UNOXIDIZED	5Y5/2	12.65	41.0- 42.0
88SJB3109	17	415100	5499600	493900	821033	42G/9	CLAY	UNOXIDIZED	5Y5/2	14.48	47.0- 48.0
88SJB3110	17	415100	5499600	493900	821033	42G/9	SAND	UNOXIDIZED	5Y6/1	17.22	56.0- 57.0
88SJB3111	17	415100	5499600	493900	821033	42G/9	SAND	UNOXIDIZED	5Y6/1	20.27	66.0- 67.0
88SJB3112	17	415100	5499600	493900	821033	42G/9	SAND	UNOXIDIZED	5Y6/1	23.62	77.0- 78.0
88SJB3201	17	405200	5490880	493340	821942	42G/9	CLAY	MOTTLED	10YR5/3	2.44	7.5- 8.5
88SJB3202	17	405200	5490880	493340	821942	42G/9	CLAY	MOTTLED	2.5Y4/2	4.42	14.0- 15.0
88SJB3203	17	405200	5490880	493340	821942	42G/9	CLAY	UNOXIDIZED	5Y4/2	5.94	19.0- 20.0
88SJB3204	17	405200	5490880	493340	821942	42G/9	SAND	UNOXIDIZED	5Y5/2	7.47	24.0- 25.0
88SJB3205	17	405200	5490880	493340	821942	42G/9	SAND	UNOXIDIZED	5Y5/2	10.51	34.0- 35.0
88SJB3206	17	405200	5490880	493340	821942	42G/9	CLAY	UNOXIDIZED	5Y3/1	11.43	37.0- 38.0
88SJB3207	17	405200	5490880	493340	821942	42G/9	SAND	UNOXIDIZED	5Y5/3	14.02	45.5- 46.5
88SJB3208	17	405200	5490880	493340	821942	42G/9	CLAY-SILT	UNOXIDIZED	5Y4/1	16.61	54.0- 55.0
88SJB3209	17	405200	5490880	493340	821942	42G/9	SAND	UNOXIDIZED	5Y5/2	18.90	60.0- 64.0
88SJB3301	17	400730	5515840	494740	822230	42G/16	DIAMICTON	MOTTLED	10YR5/4	1.07	3.0- 4.0
88SJB3302	17	400730	5515840	494740	822230	42G/16	CLAY	MOTTLED	10YR5/3	2.36	7.0- 8.5
88SJB3303	17	400730	5515840	494740	822230	42G/16	CLAY	MOTTLED	5Y4/2	4.27	13.5- 14.5
88SJB3304	17	400730	5515840	494740	822230	42G/16	CLAY	MOTTLED	5Y5/2	6.78	21.5- 23.0
88SJB3305	17	400730	5515840	494740	822230	42G/16	CLAY	UNOXIDIZED	5Y4/2	11.51	37.0- 38.5
88SJB3401	17	402410	5516110	494750	822110	42G/16	DIAMICTON	MOTTLED	2.5Y5/4	1.37	4.0- 5.0
88SJB3402	17	402410	5516110	494750	822110	42G/16	DIAMICTON	OXIDIZED	2.5Y5/4	2.59	8.0- 9.0
88SJB3403	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	2.5Y6/4	2.90	9.0- 10.0
88SJB3404	17	402410	5516110	494750	822110	42G/16	SILT	UNOXIDIZED	2.5Y6/4	3.20	10.0- 11.0
88SJB3405	17	402410	5516110	494750	822110	42G/16	SILT	UNOXIDIZED	5Y5/2	4.88	15.5- 16.5
88SJB3406	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/2	7.16	23.0- 24.0
88SJB3407	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/2	10.82	35.0- 36.0
88SJB3408	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/2	13.26	43.0- 44.0
88SJB3409	17	402410	5516110	494750	822110	42G/16	CLAY-SILT	UNOXIDIZED		14.17	46.0- 47.0
88SJB3410	17	402410	5516110	494750	822110	42G/16	CLAY-SILT	UNOXIDIZED	5Y4/2	15.54	50.5- 51.5

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB3411	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y5/2	16.67	54.5- 54.8
88SJB3412	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y5/2	17.53	57.0- 58.0
88SJB3413	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/2	19.96	65.0- 66.0
88SJB3414	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/2	20.80	67.5- 69.0
88SJB3415	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y4/1	21.18	69.0- 70.0
88SJB3416	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y4/1	22.40	73.0- 74.0
88SJB3417	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y4/1	23.93	78.0- 79.0
88SJB3418	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y4/1	24.84	81.0- 82.0
88SJB3419	17	402410	5516110	494750	822110	42G/16	CLAY	UNOXIDIZED	5Y4/1	25.76	84.0- 85.0
88SJB3420	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y6/2	26.97	88.0- 89.0
88SJB3421	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y6/2	29.72	97.0- 98.0
88SJB3422	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/2	34.29	112.0-113.0
88SJB3423	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y5/2	36.73	120.0-121.0
88SJB3424	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/1	37.49	122.0-124.0
88SJB3425	17	402410	5516110	494750	822110	42G/16	SAND	UNOXIDIZED	5Y5/1	39.17	128.0-129.0
88SJB3426	17	402410	5516110	494750	822110	42G/16	DIAMICTON	UNOXIDIZED	5Y6/1	39.78	130.0-131.0
88SJB3501	17	403330	5515900	494740	822035	42G/16	SAND	OXIDIZED	10YR7/6	1.07	3.0- 4.0
88SJB3502	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED		1.60	5.0- 5.5
88SJB3503	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED		4.42	14.0- 15.0
88SJB3504	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/2	6.25	20.0- 21.0
88SJB3505	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED		10.21	33.0- 34.0
88SJB3506	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/3	15.01	48.0- 49.5
88SJB3507	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/3	15.39	50.0- 51.0
88SJB3508	17	403330	5515900	494740	822035	42G/16	SAND	OXIDIZED	10YR6/4	16.15	52.5- 53.5
88SJB3509	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/4	19.43	63.0- 64.5
88SJB3510	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/4	22.71	74.0- 75.0
88SJB3511	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/4	25.76	84.0- 85.0
88SJB3512	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	2.5Y6/2	28.65	93.0- 95.0
88SJB3513	17	403330	5515900	494740	822035	42G/16	SAND	UNOXIDIZED	5Y6/1	29.64	96.5- 98.0
88SJB3514	17	403330	5515900	494740	822035	42G/16	DIAMICTON	UNOXIDIZED	5Y6/1	31.39	102.5-103.5
88SJB3515	17	403330	5515900	494740	822035	42G/16	DIAMICTON	UNOXIDIZED	5Y6/1	32.61	106.5-107.5
88SJB3601	17	414900	5539160	500000	821130	42J/1	CLAY	OXIDIZED	2.5Y6/4	0.76	2.0- 3.0
88SJB3602	17	414900	5539160	500000	821130	42J/1	DIAMICTON	OXIDIZED	2.5Y6/4	1.98	6.0- 7.0
88SJB3603	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y5/1	3.51	11.0- 12.0
88SJB3604	17	414900	5539160	500000	821130	42J/1	SAND	UNOXIDIZED	5Y5/1	4.12	13.0- 14.0
88SJB3605	17	414900	5539160	500000	821130	42J/1	SAND	UNOXIDIZED	5Y5/1	6.25	20.0- 21.0
88SJB3606	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y5/1	8.99	29.0- 30.0
88SJB3607	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y5/1	10.82	35.0- 36.0
88SJB3608	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y5/1	11.73	38.0- 39.0
88SJB3609	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y5/1	12.34	40.0- 41.0
88SJB3610	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y4/1	13.87	45.0- 46.0
88SJB3611	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y4/1	14.17	46.0- 47.0
88SJB3612	17	414900	5539160	500000	821130	42J/1	DIAMICTON	UNOXIDIZED	5Y4/1	16.61	54.0- 55.0
88SJB3701	17	416280	5542740	500200	821010	42J/1	DIAMICTON	OXIDIZED		1.37	4.0- 5.0
88SJB3702	17	416280	5542740	500200	821010	42J/1	CLAY	OXIDIZED	10YR6/4	2.13	6.5- 7.5
88SJB3703	17	416280	5542740	500200	821010	42J/1	DIAMICTON	OXIDIZED	10YR6/4	2.90	9.0- 10.0
88SJB3704	17	416280	5542740	500200	821010	42J/1	SAND	OXIDIZED	10YR7/4	6.25	20.0- 21.0
88SJB3705	17	416280	5542740	500200	821010	42J/1	SAND	OXIDIZED	5Y5/2	7.32	23.5- 24.5
88SJB3706	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	9.14	29.5- 30.5
88SJB3707	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	9.98	32.5- 33.0
88SJB3708	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	11.20	36.0- 37.5
88SJB3709	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	11.73	38.0- 39.0
88SJB3710	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	12.65	41.0- 42.0
88SJB3711	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	13.72	44.5- 45.5
88SJB3712	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	14.78	48.0- 49.0
88SJB3713	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	15.47	50.5- 51.0
88SJB3714	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	16.31	53.0- 54.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB3715	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	17.50	57.0- 58.0
88SJB3716	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	18.75	61.0- 62.0
88SJB3717	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	19.35	63.0- 65.0
88SJB3718	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	21.18	69.0- 70.0
88SJB3719	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	20.12	65.5- 66.5
88SJB3720	17	416280	5542740	500200	821010	42J/1	DIAMICTON	UNOXIDIZED	5Y6/2	20.65	67.5- 68.0
88SJB3801	17	416400	5543000	500210	820955	42J/1	DIAMICTON	OXIDIZED	10YR5/3	1.07	3.0- 4.0
88SJB3802	17	416400	5543000	500210	820955	42J/1	SAND	OXIDIZED	2.5Y6/4	1.98	6.0- 7.0
88SJB3803	17	416400	5543000	500210	820955	42J/1	SAND	OXIDIZED	10YR5/6	3.05	9.5- 10.5
88SJB3804	17	416400	5543000	500210	820955	42J/1	SAND	OXIDIZED	2.5Y6/6	5.33	17.0- 18.0
88SJB3805	17	416400	5543000	500210	820955	42J/1	SAND	UNOXIDIZED	2.5Y6/4	6.25	20.0- 21.0
88SJB3806	17	416400	5543000	500210	820955	42J/1	SAND	UNOXIDIZED	10YR6/4	6.86	22.0- 23.0
88SJB3807	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	7.69	24.5- 26.0
88SJB3808	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	9.45	30.0- 32.0
88SJB3809	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	10.82	35.0- 36.0
88SJB3810	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	12.65	41.0- 42.0
88SJB3811	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	13.87	45.0- 46.0
88SJB3812	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	15.09	49.0- 50.0
88SJB3813	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	16.31	53.0- 54.0
88SJB3814	17	416400	5543000	500210	820955	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	17.53	57.0- 58.0
88SJB3815	17	416400	5543000	500210	820955	42J/1	SAND	UNOXIDIZED	5Y6/1	18.75	61.0- 62.0
88SJB3816	17	416400	5543000	500210	820955	42J/1	SAND	UNOXIDIZED	5Y6/1	19.66	64.0- 65.0
88SJB3901	17	415800	5547000	500430	821040	42J/1	DIAMICTON	MOTTLED	5Y5/2	1.52	4.0- 6.0
88SJB3902	17	415800	5547000	500430	821040	42J/1	DIAMICTON	MOTTLED	5Y5/2	2.36	7.5- 8.0
88SJB3903	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	2.74	8.5- 9.5
88SJB3904	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	4.11	13.0- 14.0
88SJB3905	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	4.42	14.0- 15.0
88SJB3906	17	415800	5547000	500430	821040	42J/1	CLAY	UNOXIDIZED	5Y4/2	6.25	20.0- 21.0
88SJB3907	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED		6.93	22.5- 23.0
88SJB3908	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED		8.08	25.0- 28.0
88SJB3909	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	8.76	28.0- 29.5
88SJB3910	17	415800	5547000	500430	821040	42J/1	DIAMICTON	MOTTLED	5Y4/2	10.52	34.0- 35.0
88SJB3911	17	415800	5547000	500430	821040	42J/1	DIAMICTON	MOTTLED	5Y4/2	11.43	37.0- 38.0
88SJB3912	17	415800	5547000	500430	821040	42J/1	DIAMICTON	MOTTLED	5Y4/2	12.42	40.0- 41.5
88SJB3913	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	13.26	43.0- 44.0
88SJB3914	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y6/1	14.10	46.0- 46.5
88SJB3915	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	14.55	47.5- 48.0
88SJB3916	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	16.08	52.5- 53.0
88SJB3917	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	17.37	57.0- 58.0
88SJB3918	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	18.67	61.0- 61.5
88SJB3919	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	19.58	64.0- 64.5
88SJB3920	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	20.88	68.0- 69.0
88SJB3921	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	22.40	73.0- 74.0
88SJB3922	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	23.93	78.0- 79.0
88SJB3923	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	24.69	80.5- 81.5
88SJB3924	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	25.76	84.0- 85.0
88SJB3925	17	415800	5547000	500430	821040	42J/1	DIAMICTON	UNOXIDIZED	10YR5/6	4.88	15.5- 16.5
88SJB4001	17	414440	5549280	500535	821150	42J/1	DIAMICTON	MOTTLED	5Y4/3	1.14	3.0- 4.5
88SJB4002	17	414440	5549280	500535	821150	42J/1	SAND	OXIDIZED	5Y6/3	1.75	5.0- 6.5
88SJB4003	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	2.13	6.5- 7.5
88SJB4004	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	2.90	9.0- 10.0
88SJB4005	17	414440	5549280	500535	821150	42J/1	SAND	UNOXIDIZED	5Y4/2	4.04	13.0- 13.5
88SJB4006	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	4.80	15.0- 16.5
88SJB4007	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	5.64	18.0- 19.0
88SJB4008	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	6.71	21.5- 22.5
88SJB4009	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	7.62	24.5- 25.5
88SJB4010	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	8.76	28.5- 29.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB4011	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	9.91	32.0- 33.0
88SJB4012	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	11.20	36.5- 37.0
88SJB4013	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	12.65	41.0- 42.0
88SJB4014	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	14.10	46.0- 46.5
88SJB4015	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	16.08	52.5- 53.0
88SJB4016	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	17.07	55.0- 57.0
88SJB4017	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y3/2	18.14	59.0- 60.0
88SJB4018	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y3/2	19.35	63.0- 64.0
88SJB4019	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y3/2	21.21	69.0- 70.0
88SJB4020	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y3/2	22.71	74.0- 75.0
88SJB4021	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y3/2	23.16	75.5- 76.5
88SJB4022	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	23.85	78.0- 78.5
88SJB4023	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	24.54	80.0- 81.0
88SJB4024	17	414440	5549280	500535	821150	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	9.45	30.5- 31.5
88SJB4101	17	415680	5547360	500440	821050	42J/1	DIAMICTON	OXIDIZED	10YR5/3	1.30	4.0- 4.5
88SJB4102	17	415680	5547360	500440	821050	42J/1	DIAMICTON	OXIDIZED	2.5Y6/4	1.98	6.0- 7.0
88SJB4103	17	415680	5547360	500440	821050	42J/1	DIAMICTON	OXIDIZED	2.5Y6/4	2.82	8.5- 10.0
88SJB4104	17	415680	5547360	500440	821050	42J/1	SAND	OXIDIZED	2.5Y6/4	3.51	11.0- 12.0
88SJB4105	17	415680	5547360	500440	821050	42J/1	DIAMICTON	OXIDIZED	5Y5/3	3.87	12.5- 13.0
88SJB4106	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	5.91	19.0- 19.8
88SJB4107	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	6.55	21.0- 22.0
88SJB4108	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	8.69	28.0- 29.0
88SJB4109	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y4/2	10.06	32.5- 33.5
88SJB4110	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y5/1	11.13	36.0- 37.0
88SJB4111	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	12.04	39.0- 40.0
88SJB4112	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	13.56	44.0- 45.0
88SJB4113	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y5/2	14.02	45.5- 46.5
88SJB4114	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED		16.69	54.5- 55.0
88SJB4115	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED		17.30	56.5- 57.0
88SJB4116	17	415680	5547360	500440	821050	42J/1	DIAMICTON	UNOXIDIZED	5Y7/1	18.44	60.0- 61.0
88SJB4201	17	401580	5463100	491915	822110	42G	CLAY	MOTTLED	7YR5/3	2.29	7.0- 8.0
88SJB4202	17	401580	5463100	491915	822110	42G	CLAY	UNOXIDIZED	5Y5/2	9.60	31.0- 32.0
88SJB4203	17	401580	5463100	491915	822110	42G	CLAY	UNOXIDIZED	5Y5/2	28.19	92.0- 93.0
88SJB4204	17	401580	5463100	491915	822110	42G	SAND	UNOXIDIZED	5Y5/2	34.90	114.0-115.0
88SJB4301	17	392530	5429750	490020	822810	42G/1	CLAY	MOTTLED	2.5Y5/4	1.38	4.0- 5.0
88SJB4302	17	392530	5429750	490020	822810	42G/1	DIAMICTON	OXIDIZED	10YR5/4	3.12	9.5- 11.0
88SJB4303	17	392530	5429750	490020	822810	42G/1	SAND	UNOXIDIZED	5Y7/2	4.34	14.0- 14.5
88SJB4304	17	392530	5429750	490020	822810	42G/1	SAND	UNOXIDIZED	5Y7/2	9.91	32.0- 33.0
88SJB4305	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/1	12.30	40.0- 41.0
88SJB4306	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/1	15.39	50.0- 51.0
88SJB4307	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/1	17.68	57.5- 58.5
88SJB4308	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/1	19.96	65.0- 66.0
88SJB4309	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y4/2	21.49	70.0- 71.0
88SJB4310	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/2	22.40	73.0- 74.0
88SJB4311	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/2	23.01	75.0- 76.0
88SJB4312	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/2	24.23	79.0- 80.0
88SJB4313	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/2	26.06	85.0- 86.0
88SJB4314	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/2	26.97	88.0- 89.0
88SJB4315	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y4/2	28.12	92.0- 92.5
88SJB4316	17	392530	5429750	490020	822810	42G/1	SAND	UNOXIDIZED	5Y7/1	29.40	96.0- 97.0
88SJB4317	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED		29.81	97.0- 98.0
88SJB4318	17	392530	5429750	490020	822810	42G/1	SAPROLITE	UNOXIDIZED		32.16	105.0-106.0
88SJB4319	17	392530	5429750	490020	822810	42G/1	SAPROLITE	UNOXIDIZED		32.73	107.0-107.5
88SJB4320	17	392530	5429750	490020	822810	42G/1	SAPROLITE	UNOXIDIZED		32.99	108.0-108.5
88SJB4321	17	392530	5429750	490020	822810	42G/1	SAPROLITE	UNOXIDIZED	2.5Y6/6	33.68	110.0-111.0
88SJB4322	17	392530	5429750	490020	822810	42G/1	DIAMICTON	UNOXIDIZED	5Y5/2	25.68	84.0- 84.5
88SJB4401	17	481000	5456290	491550	811535	42H/6	DIAMICTON	MOTTLED	10YR5/4	1.22	3.0- 5.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB4402	17	481000	5456290	491550	811535	42H/6	DIAMICTON	MOTTLED	10YR5/4	2.36	7.0- 8.5
88SJB4403	17	481000	5456290	491550	811535	42H/6	CLAY	UNOXIDIZED		3.35	10.0- 12.0
88SJB4404	17	481000	5456290	491550	811535	42H/6	DIAMICTON	UNOXIDIZED	5Y6/1	4.27	13.0- 15.0
88SJB4405	17	481000	5456290	491550	811535	42H/6	DIAMICTON	MOTTLED		4.95	16.0- 16.5
88SJB4406	17	481000	5456290	491550	811535	42H/6	DIAMICTON	UNOXIDIZED	5Y6/1	4.72	15.0- 16.0
88SJB4501	17	483000	5453100	491335	811350	42H/3	SILT/CLAY	OXIDIZED	2.5Y5/4	2.90	9.0- 10.0
88SJB4502	17	483000	5453100	491335	811350	42H/3	DIAMICTON	UNOXIDIZED	5Y5/2	5.33	16.0- 19.0
88SJB4503	17	483000	5453100	491335	811350	42H/3	DIAMICTON	UNOXIDIZED	5Y5/2	7.77	23.0- 28.0
88SJB4504	17	483000	5453100	491335	811350	42H/3	SAND	UNOXIDIZED	5Y5/2	11.05	35.0- 37.5
88SJB4505	17	483000	5453100	491335	811350	42H/3	SILT/CLAY	UNOXIDIZED		13.34	43.5- 44.0
88SJB4506	17	483000	5453100	491335	811350	42H/3	SAND	UNOXIDIZED	5Y5/2	15.32	49.0- 51.5
88SJB4507	17	483000	5453100	491335	811350	42H/3	SAND	UNOXIDIZED		17.83	58.0- 59.0
88SJB4508	17	483000	5453100	491335	811350	42H/3	SAND	UNOXIDIZED		20.57	67.0- 68.0
88SJB4509	17	483000	5453100	491335	811350	42H/3	DIAMICTON	UNOXIDIZED	5Y6/2	22.40	73.0- 74.0
88SJB4510	17	483000	5453100	491335	811350	42H/3	ORGANICS	UNOXIDIZED		4.27	13.0- 15.0
88SJB4511	17	483000	5453100	491335	811350	42H/3	DIAMICTON	UNOXIDIZED		9.60	31.0- 32.0
88SJB4601	17	484420	5450000	491210	811210	42H/3	DIAMICTON	OXIDIZED		1.45	4.5- 5.0
88SJB4602	17	484420	5450000	491210	811210	42H/3	CLAY/SILT	UNOXIDIZED	10YR5/3	1.98	6.0- 7.0
88SJB4603	17	484420	5450000	491210	811210	42H/3	DIAMICTON	UNOXIDIZED	5Y4/3	3.89	11.5- 14.0
88SJB4604	17	484420	5450000	491210	811210	42H/3	DIAMICTON	UNOXIDIZED	5Y4/3	5.33	17.0- 18.0
88SJB4605	17	484420	5450000	491210	811210	42H/3	SAND	UNOXIDIZED	5Y6/1	9.14	29.5- 30.5
88SJB4606	17	484420	5450000	491210	811210	42H/3		UNOXIDIZED		11.43	37.0- 38.0
88SJB4607	17	484420	5450000	491210	811210	42H/3	SILT	UNOXIDIZED	5Y6/1	14.63	47.0- 49.0
88SJB4608	17	484420	5450000	491210	811210	42H/3	SILT	UNOXIDIZED	5Y6/1	20.27	66.0- 67.0
88SJB4609	17	484420	5450000	491210	811210	42H/3	SILT/CLAY	UNOXIDIZED		26.67	87.0- 88.0
88SJB4610	17	484420	5450000	491210	811210	42H/3	DIAMICTON	UNOXIDIZED	5Y6/2	30.48	98.0-102.0
88SJB4611	17	484420	5450000	491210	811210	42H/3	DIAMICTON	UNOXIDIZED		33.07	107.0-110.0
88SJB4701	17	456600	5379760	483425	813525	42A/12	CLAY/SILT	UNOXIDIZED	5Y5/2	4.42	13.0- 16.0
88SJB4702	17	456600	5379760	483425	813525	42A/12	CLAY/SILT	UNOXIDIZED	5Y6/2	11.58	37.0- 39.0
88SJB4703	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y6/2	13.26	43.0- 44.0
88SJB4704	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	14.48	46.0- 49.0
88SJB4705	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	16.00	52.0- 53.0
88SJB4706	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	17.22	56.0- 57.0
88SJB4707	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	17.98	58.5- 59.5
88SJB4708	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	19.20	62.0- 64.0
88SJB4709	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	21.56	70.0- 71.5
88SJB4710	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	23.09	75.0- 76.5
88SJB4711	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	25.30	82.0- 84.0
88SJB4712	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED		26.67	87.0- 88.0
88SJB4713	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED		20.42	66.5- 67.5
88SJB4714	17	456600	5379760	483425	813525	42A/12	DIAMICTON	UNOXIDIZED		20.88	68.0- 69.0
88SJB4801	17	456600	5380170	483437	813520	42A/12	CLAY	UNOXIDIZED	5Y5/2	7.16	23.0- 24.0
88SJB4802	17	456600	5380170	483437	813520	42A/12	SILT	UNOXIDIZED	5Y5/2	8.08	26.0- 27.0
88SJB4803	17	456600	5380170	483437	813520	42A/12	DIAMICTON	UNOXIDIZED		10.52	34.0- 35.0
88SJB4804	17	456600	5380170	483437	813520	42A/12	DIAMICTON	UNOXIDIZED		12.04	39.0- 40.0
88SJB4805	17	456600	5380170	483437	813520	42A/12	DIAMICTON	UNOXIDIZED		11.43	37.0- 38.0
88SJB4901	17	455760	5380440	483445	813557	42A/12	SAND	UNOXIDIZED		2.44	7.5- 8.5
88SJB4902	17	455760	5380440	483445	813557	42A/12	CLAY			3.81	12.0- 13.0
88SJB4903	17	455760	5380440	483445	813557	42A/12	SILT/CLAY			4.72	15.0- 16.0
88SJB4904	17	455760	5380440	483445	813557	42A/12	SILT/CLAY			5.94	19.0- 20.0
88SJB4905	17	455760	5380440	483445	813557	42A/12	DIAMICTON		5Y5/1	7.77	25.0- 26.0
88SJB4906	17	455760	5380440	483445	813557	42A/12	DIAMICTON		5Y5/1	9.30	30.0- 31.0
88SJB4907	17	455760	5380440	483445	813557	42A/12	DIAMICTON		5Y5/1	9.91	32.0- 33.0
88SJB4908	17	455760	5380440	483445	813557	42A/12	DIAMICTON		5Y5/1	10.36	33.0- 35.0
88SJB4909	17	455760	5380440	483445	813557	42A/12	DIAMICTON		5Y5/1	10.82	35.0- 36.0
88SJB5001	17	455836	5380640	483450	813450	42A/12	DIAMICTON	OXIDIZED	2.5Y6/3	3.51	11.0- 12.0
88SJB5002	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED	2.5Y6/3	4.72	15.0- 16.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB5003	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	5.64	18.0- 19.0
88SJB5004	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED		6.55	21.0- 22.0
88SJB5005	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED		7.85	25.5- 26.0
88SJB5006	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED		8.69	28.0- 29.0
88SJB5007	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED		9.14	29.0- 31.0
88SJB5008	17	455836	5380640	483450	813450	42A/12	DIAMICTON	UNOXIDIZED		9.60	31.0- 32.0
88SJB5009	17	455836	5380640	483450	813450	42A/12	DIAMICTON	OXIDIZED		11.13	36.0- 37.0
88SJB5101	17	455600	5380960	483458	813610	42A/12	SAND	OXIDIZED	2.5Y6/4	2.29	7.0- 8.0
88SJB5102	17	455600	5380960	483458	813610	42A/12	SAND	UNOXIDIZED		7.16	23.0- 24.0
88SJB5103	17	455600	5380960	483458	813610	42A/12	CLAY/SILT	UNOXIDIZED		9.30	30.0- 31.0
88SJB5104	17	455600	5380960	483458	813610	42A/12	CLAY/SILT	UNOXIDIZED		12.04	39.0- 40.0
88SJB5105	17	455600	5380960	483458	813610	42A/12	SILT	UNOXIDIZED	5Y5/2	15.09	49.0- 50.0
88SJB5106	17	455600	5380960	483458	813610	42A/12	SILT	UNOXIDIZED	5Y5/2	19.96	65.0- 66.0
88SJB5107	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y6/2	20.73	67.0- 69.0
88SJB5108	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	21.64	70.0- 72.0
88SJB5109	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	22.71	74.0- 75.0
88SJB5110	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y4/2	23.47	76.0- 78.0
88SJB5111	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y4/2	24.84	81.0- 82.0
88SJB5112	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y4/2	26.21	85.0- 87.0
88SJB5113	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	26.67	87.0- 88.0
88SJB5114	17	455600	5380960	483458	813610	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	26.41	86.0- 87.0
88SJB5201	17	455844	5380870	483455	813556	42A/12	SAND	OXIDIZED		0.76	0.0- 5.0
88SJB5202	17	455844	5380870	483455	813556	42A/12	SAND	UNOXIDIZED		6.25	20.0- 21.0
88SJB5203	17	455844	5380870	483455	813556	42A/12	SAND	UNOXIDIZED		10.21	33.0- 34.0
88SJB5204	17	455844	5380870	483455	813556	42A/12	CLAY/SAND	UNOXIDIZED		13.26	43.0- 44.0
88SJB5205	17	455844	5380870	483455	813556	42A/12	CLAY	UNOXIDIZED		14.48	47.0- 48.0
88SJB5206	17	455844	5380870	483455	813556	42A/12	SILT	UNOXIDIZED		19.35	63.0- 64.0
88SJB5207	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		23.93	78.0- 79.0
88SJB5208	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		25.45	83.0- 84.0
88SJB5209	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		26.06	85.0- 86.0
88SJB5210	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		26.97	88.0- 89.0
88SJB5211	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		21.49	70.0- 71.0
88SJB5212	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		28.80	94.0- 95.0
88SJB5213	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		30.02	98.0- 99.0
88SJB5214	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		31.24	102.0-103.0
88SJB5215	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		32.46	106.0-107.0
88SJB5216	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		32.92	107.0-109.0
88SJB5217	17	455844	5380870	483455	813556	42A/12	DIAMICTON	UNOXIDIZED		33.99	111.0-112.0
88SJB5301	17	456160	5381000	483459	813540	42A/12	SAND	OXIDIZED	10YR5/8	0.76	0.0- 5.0
88SJB5302	17	456160	5381000	483459	813540	42A/12	SAND	UNOXIDIZED	2.5Y6/2	5.03	16.0- 17.0
88SJB5303	17	456160	5381000	483459	813540	42A/12	SAND	UNOXIDIZED	2.5Y6/2	9.30	30.0- 31.0
88SJB5304	17	456160	5381000	483459	813540	42A/12	SAND	UNOXIDIZED	5Y7/1	13.56	44.0- 45.0
88SJB5305	17	456160	5381000	483459	813540	42A/12	CLAY/SILT	UNOXIDIZED		14.63	47.5- 48.5
88SJB5306	17	456160	5381000	483459	813540	42A/12	CLAY/SILT	UNOXIDIZED		17.53	57.0- 58.0
88SJB5307	17	456160	5381000	483459	813540	42A/12	SILT	UNOXIDIZED		19.35	63.0- 64.0
88SJB5308	17	456160	5381000	483459	813540	42A/12	SILT	UNOXIDIZED		22.10	72.0- 73.0
88SJB5309	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		23.01	75.0- 76.0
88SJB5310	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		23.93	78.0- 79.0
88SJB5311	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		24.54	80.0- 81.0
88SJB5312	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		25.15	82.0- 83.0
88SJB5313	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		25.76	84.0- 85.0
88SJB5314	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		26.21	85.0- 87.0
88SJB5315	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED		26.67	87.0- 88.0
88SJB5316	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED	5Y5/4	26.97	88.0- 89.0
88SJB5317	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED	5Y5/4	27.51	90.0- 90.5
88SJB5318	17	456160	5381000	483459	813540	42A/12	SAND	UNOXIDIZED		27.89	91.0- 92.0
88SJB5319	17	456160	5381000	483459	813540	42A/12	DIAMICTON	OXIDIZED	2.5Y6/4	28.19	92.0- 93.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB5320	17	456160	5381000	483459	813540	42A/12	DIAMICTON	OXIDIZED	2.5Y6/4	28.50	93.0- 94.0
88SJB5321	17	456160	5381000	483459	813540	42A/12	DIAMICTON	UNOXIDIZED	5Y5/4	26.29	86.0- 86.5
88SJB5401	17	457400	5380850	483458	813435	42A/12	SAND	OXIDIZED		0.76	0.0- 5.0
88SJB5402	17	457400	5380850	483458	813435	42A/12	CLAY	UNOXIDIZED	5Y5/1	3.96	12.5- 13.5
88SJB5403	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	5.33	17.0- 18.0
88SJB5404	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	7.16	23.0- 24.0
88SJB5405	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	9.45	30.5- 31.5
88SJB5406	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	11.43	37.0- 38.0
88SJB5407	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	13.26	43.0- 44.0
88SJB5408	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	14.78	48.0- 49.0
88SJB5409	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	16.61	54.0- 55.0
88SJB5410	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	18.14	59.0- 60.0
88SJB5411	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	20.57	67.0- 68.0
88SJB5412	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	21.49	70.0- 71.0
88SJB5413	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	21.95	71.5- 72.5
88SJB5414	17	457400	5380850	483458	813435	42A/12	SAND	UNOXIDIZED		22.40	73.0- 74.0
88SJB5415	17	457400	5380850	483458	813435	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	22.71	74.0- 75.0
88SJB5501	17	456720	5381080	483508	813515	42A/12	ORGANICS			5.94	19.0- 20.0
88SJB5502	17	456720	5381080	483508	813515	42A/12	ORGANICS			6.25	20.0- 25.0
88SJB5503	17	456720	5381080	483508	813515	42A/12	SAND	UNOXIDIZED		8.38	27.0- 28.0
88SJB5504	17	456720	5381080	483508	813515	42A/12	CLAY	UNOXIDIZED		12.04	39.0- 40.0
88SJB5505	17	456720	5381080	483508	813515	42A/12	SILT/CLAY	UNOXIDIZED		14.78	48.0- 49.0
88SJB5506	17	456720	5381080	483508	813515	42A/12	SILT/CLAY	UNOXIDIZED		19.96	65.0- 66.0
88SJB5507	17	456720	5381080	483508	813515	42A/12	DIAMICTON	UNOXIDIZED		21.49	70.0- 71.0
88SJB5508	17	456720	5381080	483508	813515	42A/12	DIAMICTON	UNOXIDIZED		22.40	73.0- 74.0
88SJB5509	17	456720	5381080	483508	813515	42A/12	DIAMICTON	UNOXIDIZED		22.71	74.0- 75.0
88SJB5601	17	456260	5381270	483510	813535	42A/12	SAND	UNOXIDIZED		4.11	13.0- 14.0
88SJB5602	17	456260	5381270	483510	813535	42A/12	SAND	UNOXIDIZED		6.86	22.0- 23.0
88SJB5603	17	456260	5381270	483510	813535	42A/12	CLAY/SILT	UNOXIDIZED		8.99	29.0- 30.0
88SJB5604	17	456260	5381270	483510	813535	42A/12	CLAY/SILT	UNOXIDIZED		10.51	34.0- 35.0
88SJB5605	17	456260	5381270	483510	813535	42A/12	DIAMICTON	UNOXIDIZED		15.09	49.0- 50.0
88SJB5606	17	456260	5381270	483510	813535	42A/12	DIAMICTON	UNOXIDIZED		16.00	52.0- 53.0
88SJB5607	17	456260	5381270	483510	813535	42A/12	DIAMICTON	UNOXIDIZED		17.53	57.0- 58.0
88SJB5701	17	456440	5380900	483456	813530	42A/12	SAND	UNOXIDIZED		7.47	24.0- 25.0
88SJB5702	17	456440	5380900	483456	813530	42A/12	SAND	UNOXIDIZED		12.34	40.0- 41.0
88SJB5703	17	456440	5380900	483456	813530	42A/12	CLAY	UNOXIDIZED		16.61	54.0- 55.0
88SJB5704	17	456440	5380900	483456	813530	42A/12	SILT/CLAY	UNOXIDIZED		19.05	62.0- 63.0
88SJB5705	17	456440	5380900	483456	813530	42A/12	SILT	UNOXIDIZED		23.62	77.0- 78.0
88SJB5706	17	456440	5380900	483456	813530	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	24.54	80.0- 81.0
88SJB5707	17	456440	5380900	483456	813530	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	26.67	87.0- 88.0
88SJB5708	17	456440	5380900	483456	813530	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	30.02	98.0- 99.0
88SJB5709	17	456440	5380900	483456	813530	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	31.85	104.0-105.0
88SJB5710	17	456440	5380900	483456	813530	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	33.38	109.0-110.0
88SJB5711	17	456440	5380900	483456	813530	42A/12	DIAMICTON	OXIDIZED	2.5Y6/4	33.83	110.5-111.5
88SJB5712	17	456440	5380900	483456	813530	42A/12	DIAMICTON	MOTTLED		35.81	117.0-118.0
88SJB5713	17	456440	5380900	483456	813530	42A/12	DIAMICTON	MOTTLED		37.95	124.0-125.0
88SJB5714	17	456440	5380900	483456	813530	42A/12	DIAMICTON	MOTTLED		40.39	132.0-133.0
88SJB5715	17	456440	5380900	483456	813530	42A/12	DIAMICTON	MOTTLED		41.30	135.0-136.0
88SJB5716	17	456440	5380900	483456	813530	42A/12	DIAMICTON	MOTTLED		41.61	136.0-137.0
88SJB5801	17	454276	5382240	483538	813712	42A/12	ORGANICS			19.20	63.0
88SJB5802	17	454276	5382240	483538	813712	42A/12	ORGANICS			21.64	71.0
88SJB5803	17	454276	5382240	483538	813712	42A/12	SAND	UNOXIDIZED		23.32	76.0- 77.0
88SJB5804	17	454276	5382240	483538	813712	42A/12	ORGANICS			23.62	77.0- 78.0
88SJB5805	17	454276	5382240	483538	813712	42A/12	SAND	UNOXIDIZED		26.37	86.0- 87.0
88SJB5806	17	454276	5382240	483538	813712	42A/12	SAND	UNOXIDIZED		31.24	102.0-103.0
88SJB5807	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED		33.07	108.0-109.0
88SJB5808	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED		34.90	114.0-115.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB5809	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED		35.81	117.0-118.0
88SJB5810	17	454276	5382240	483538	813712	42A/12	DIAMICTON	MOTTLED	5Y5/1	36.88	120.5-121.5
88SJB5811	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED	5Y5/1	39.47	129.0-130.0
88SJB5812	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED	5Y4/2	41.00	134.0-135.0
88SJB5813	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED	5Y4/2	42.21	138.0-139.0
88SJB5814	17	454276	5382240	483538	813712	42A/12	DIAMICTON	UNOXIDIZED	5Y4/2	42.82	140.0-141.0
88SJB5901	17	446676	5407320	484915	814336	42A/13	ORGANICS			2.29	7.0- 8.0
88SJB5902	17	446676	5407320	484915	814336	42A/13	CLAY	UNOXIDIZED		4.72	15.0- 16.0
88SJB5903	17	446676	5407320	484915	814336	42A/13	DIAMICTON	UNOXIDIZED	5Y6/2	15.09	49.0- 50.0
88SJB5904	17	446676	5407320	484915	814336	42A/13	DIAMICTON	UNOXIDIZED	5Y6/2	12.65	41.0- 42.0
88SJB5905	17	446676	5407320	484915	814336	42A/13	DIAMICTON	UNOXIDIZED		20.88	68.0- 69.0
88SJB5906	17	446676	5407320	484915	814336	42A/13	DIAMICTON	UNOXIDIZED		21.64	70.5- 71.5
88SJB5907	17	446676	5407320	484915	814336	42A/13	DIAMICTON	OXIDIZED		24.23	79.0- 80.0
88SJB6001	17	446080	5407270	484910	814400	42A/13	CLAY	UNOXIDIZED	5Y5/2	11.73	38.0- 39.0
88SJB6002	17	446080	5407270	484910	814400	42A/13	SILT/CLAY	UNOXIDIZED	5Y5/1	19.05	62.0- 63.0
88SJB6003	17	446080	5407270	484910	814400	42A/13	SAND	UNOXIDIZED		37.95	124.0-125.0
88SJB6004	17	446080	5407270	484910	814400	42A/13	SAND	UNOXIDIZED		46.48	152.0-153.0
88SJB6101	17	443640	5407000	484900	814608	42A/13	DIAMICTON	OXIDIZED	5Y5/2	2.90	9.0- 10.0
88SJB6102	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	4.42	14.0- 15.0
88SJB6103	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED		8.69	28.0- 29.0
88SJB6104	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED		11.13	36.0- 37.0
88SJB6105	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED		13.87	45.0- 46.0
88SJB6106	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED		16.31	53.0- 54.0
88SJB6107	17	443640	5407000	484900	814608	42A/13	ORGANICS			17.22	56.0- 57.0
88SJB6108	17	443640	5407000	484900	814608	42A/13	SAND	UNOXIDIZED		17.83	58.0- 59.0
88SJB6109	17	443640	5407000	484900	814608	42A/13	ORGANICS			19.43	63.5- 64.0
88SJB6110	17	443640	5407000	484900	814608	42A/13	ORGANICS			20.57	67.0- 68.0
88SJB6111	17	443640	5407000	484900	814608	42A/13	SILT	UNOXIDIZED		23.01	75.0- 76.0
88SJB6112	17	443640	5407000	484900	814608	42A/13	SILT	UNOXIDIZED		26.37	86.0- 87.0
88SJB6113	17	443640	5407000	484900	814608	42A/13	WOOD			26.82	88.0
88SJB6114	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED		29.11	95.0- 96.0
88SJB6115	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED	5Y4/1	30.33	99.0-100.0
88SJB6116	17	443640	5407000	484900	814608	42A/13	DIAMICTON	UNOXIDIZED	5Y4/1	31.62	103.5-104.0
88SJB6117	17	443640	5407000	484900	814608	42A/13	ORGANICS			31.85	104.0-105.0
88SJB6118	17	443640	5407000	484900	814608	42A/13	ORGANICS			34.90	114.0-115.0
88SJB6119	17	443640	5407000	484900	814608	42A/13	DIAMICTON	OXIDIZED	2.5Y5/4	35.51	116.0-117.0
88SJB6120	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	36.42	119.0-120.0
88SJB6121	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	37.64	123.0-124.0
88SJB6122	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	39.47	129.0-130.0
88SJB6123	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	41.61	136.0-137.0
88SJB6124	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	44.04	144.0-145.0
88SJB6125	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	45.57	149.0-150.0
88SJB6126	17	443640	5407000	484900	814608	42A/13	DIAMICTON	MOTTLED	5Y5/1	47.09	154.0-155.0
88SJB6201	17	443050	5406960	484855	814630	42A/13	DIAMICTON	OXIDIZED	2.5Y6/4	3.05	9.5- 10.5
88SJB6202	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	3.51	11.0- 12.0
88SJB6203	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	5.03	16.0- 17.0
88SJB6204	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	7.47	24.0- 25.0
88SJB6205	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	10.52	34.0- 35.0
88SJB6206	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	12.65	41.0- 42.0
88SJB6207	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	13.87	45.0- 46.0
88SJB6208	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/1	15.39	50.0- 51.0
88SJB6209	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	18.75	61.0- 62.0
88SJB6210	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	20.57	67.0- 68.0
88SJB6211	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	23.32	76.0- 77.0
88SJB6212	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	25.45	83.0- 84.0
88SJB6213	17	443050	5406960	484855	814630	42A/13	ORGANICS	UNOXIDIZED	5Y5/2	27.58	90.0- 91.0
88SJB6214	17	443050	5406960	484855	814630	42A/13	DIAMICTON	OXIDIZED		29.72	97.0- 98.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)	Depth (ft) Range
88SJB6215	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED		30.33	99.0-100.0
88SJB6216	17	443050	5406960	484855	814630	42A/13	DIAMICTON	UNOXIDIZED		31.55	103.0-104.0
88SJB6301	17	450100	5408310	484950	814045	42A/13	ORGANICS			5.79	18.0- 20.0
88SJB6302	17	450100	5408310	484950	814045	42A/13	SAND	UNOXIDIZED		7.39	23.5- 25.0
88SJB6303	17	450100	5408310	484950	814045	42A/13	CLAY	UNOXIDIZED	5Y3/2	9.83	32.0- 32.5
88SJB6304	17	450100	5408310	484950	814045	42A/13	CLAY	UNOXIDIZED	5Y5/2	13.41	43.0- 45.0
88SJB6305	17	450100	5408310	484950	814045	42A/13	DIAMICTON	UNOXIDIZED	5Y5/2	14.78	48.0- 49.0
88SJB6306	17	450100	5408310	484950	814045	42A/13	ORGANICS			16.92	55.0- 56.0
88SJB6307	17	450100	5408310	484950	814045	42A/13	ORGANICS			17.60	57.5- 58.0
88SJB6308	17	450100	5408310	484950	814045	42A/13	DIAMICTON	UNOXIDIZED		22.17	72.5- 73.0
88SJB6401	17	456240	5416250	485410	813547	42A/13	CLAY	UNOXIDIZED	5Y5/2	6.10	19.0- 21.0
88SJB6402	17	456240	5416250	485410	813547	42A/13	DIAMICTON	UNOXIDIZED		8.53	27.0- 29.0
88SJB6403	17	456240	5416250	485410	813547	42A/13	DIAMICTON	UNOXIDIZED		9.14	29.0- 31.0
88SJB6404	17	456240	5416250	485410	813547	42A/13	DIAMICTON	UNOXIDIZED		9.91	32.0- 33.0
88SJB6501	17	446770	5408180	484935	814330	42A/13	CLAY	UNOXIDIZED	5Y5/2	6.55	21.0- 22.0
88SJB6502	17	446770	5408180	484935	814330	42A/13	CLAY	UNOXIDIZED	5Y5/2	10.52	34.0- 35.0
88SJB6503	17	446770	5408180	484935	814330	42A/13	SAND/SILT	UNOXIDIZED		23.32	76.0- 77.0
88SJB6504	17	446770	5408180	484935	814330	42A/13	SAND	UNOXIDIZED		33.99	111.0-112.0
88SJB6505	17	446770	5408180	484935	814330	42A/13	SAND	UNOXIDIZED		39.47	129.0-130.0
88SJB6506	17	446770	5408180	484935	814330	42A/13	DIAMICTON	UNOXIDIZED		40.69	133.0-134.0
88SJB6507	17	446770	5408180	484935	814330	42A/13	DIAMICTON	UNOXIDIZED		43.13	141.0-142.0
88SJB6601	17	451160	5404000	484725	813950	42A/13	CLAY	UNOXIDIZED	5Y5/2	1.98	6.0- 7.0
88SJB6602	17	451160	5404000	484725	813950	42A/13	CLAY	UNOXIDIZED	5Y5/2	5.56	17.5- 19.0
88SJB6603	17	451160	5404000	484725	813950	42A/13	SAND	UNOXIDIZED		23.16	75.0- 77.0
88SJB6604	17	451160	5404000	484725	813950	42A/13	SAND	OXIDIZED		37.64	123.0-124.0
88SJB6701	17	452100	5366410	482650	813900	42A/5	DIAMICTON	OXIDIZED	5Y6/3	1.68	5.0- 6.0
88SJB6702	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/1	5.03	16.0- 17.0
88SJB6703	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/1	7.47	24.0- 25.0
88SJB6704	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/2	8.08	26.0- 27.0
88SJB6705	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/2	9.60	31.0- 32.0
88SJB6706	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/2	11.73	38.0- 39.0
88SJB6707	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/1	14.10	46.0- 46.5
88SJB6708	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		16.00	52.0- 53.0
88SJB6709	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		18.14	59.0- 60.0
88SJB6710	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		19.66	64.0- 65.0
88SJB6711	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		20.27	66.0- 67.0
88SJB6712	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		22.71	74.0- 75.0
88SJB6713	17	452100	5366410	482650	813900	42A/5	DIAMICTON	OXIDIZED	5Y6/2	25.53	83.5- 84.0
88SJB6714	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		27.28	89.0- 90.0
88SJB6715	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/2	29.72	97.0- 98.0
88SJB6716	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED		31.85	104.0-105.0
88SJB6717	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/1	33.60	110.0-110.5
88SJB6718	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/1	35.20	115.0-116.0
88SJB6719	17	452100	5366410	482650	813900	42A/5	DIAMICTON	UNOXIDIZED	5Y5/1	35.81	117.0-118.0
88SJB6720	17	452100	5366410	482650	813900	42A/5	DIAMICTON	OXIDIZED	5Y5/2	36.73	120.0-121.0
88SJB6721	17	452100	5366410	482650	813900	42A/5	DIAMICTON	OXIDIZED	5Y5/2	37.49	122.0-124.0
88SJB6722	17	452100	5366410	482650	813900	42A/5	DIAMICTON	OXIDIZED	5Y5/2	37.95	124.0-125.0
88SJB6801	17	460100	5366190	482650	813150	42A/5	DIAMICTON	OXIDIZED		0.46	1.0- 2.0
88SJB6802	17	460100	5366190	482650	813150	42A/5	SAND	UNOXIDIZED	5Y6/1	2.44	7.5- 8.5
88SJB6803	17	460100	5366190	482650	813150	42A/5	DIAMICTON	UNOXIDIZED	5Y6/1	6.55	21.0- 22.0
88SJB6804	17	460100	5366190	482650	813150	42A/5	DIAMICTON	UNOXIDIZED	5Y6/1	7.77	25.0- 26.0
88SJB6805	17	460100	5366190	482650	813150	42A/5	SAND	UNOXIDIZED		8.31	27.0- 27.5
88SJB6806	17	460100	5366190	482650	813150	42A/5	SAND	UNOXIDIZED		11.13	36.0- 37.0
88SJB6807	17	460100	5366190	482650	813150	42A/5	DIAMICTON	UNOXIDIZED		12.34	40.0- 41.0
88SJB6808	17	460100	5366190	482650	813150	42A/5	DIAMICTON	UNOXIDIZED	5Y6/3	13.11	42.0- 44.0
88SJB6809	17	460100	5366190	482650	813150	42A/5	DIAMICTON	UNOXIDIZED	5Y6/1	13.56	44.0- 45.0
88SJB6901	17	454480	5379100	483355	813700	42A/12	SILT	OXIDIZED	2.5Y5/2	5.33	17.0- 18.0

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Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Munsell Colour	Depth (m)
88SJB6902	17	454480	5379100	483355	813700	42A/12	SILT/CLAY	UNOXIDIZED		7.16
88SJB6903	17	454480	5379100	483355	813700	42A/12	SILT/CLAY	UNOXIDIZED		10.82
88SJB6904	17	454480	5379100	483355	813700	42A/12	DIAMICTON	UNOXIDIZED	5Y6/1	11.43
88SJB6905	17	454480	5379100	483355	813700	42A/12	DIAMICTON	UNOXIDIZED		14.48
88SJB6906	17	454480	5379100	483355	813700	42A/12	SAND	UNOXIDIZED		16.92
88SJB6907	17	454480	5379100	483355	813700	42A/12	DIAMICTON	UNOXIDIZED	5Y6/2	18.14
88SJB6908	17	454480	5379100	483355	813700	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	19.35
88SJB6909	17	454480	5379100	483355	813700	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	20.27
88SJB6910	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED	5Y5/3	21.18
88SJB6911	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED	5Y5/3	22.71
88SJB6912	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED	5Y5/2	24.23
88SJB6913	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED		26.37
88SJB6914	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED		28.50
88SJB6915	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED		30.33
88SJB6916	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED		30.63
88SJB6917	17	454480	5379100	483355	813700	42A/12	DIAMICTON	OXIDIZED		31.55
88SJB7001	17	455890	5376800	483245	813550	42A/12	CLAY/SILT	OXIDIZED	5Y4/4	5.33
88SJB7002	17	455890	5376800	483245	813550	42A/12	SILT/CLAY	UNOXIDIZED	5Y5/1	11.43
88SJB7003	17	455890	5376800	483245	813550	42A/12	CLAY	UNOXIDIZED		14.17
88SJB7004	17	455890	5376800	483245	813550	42A/12		UNOXIDIZED		14.63
88SJB7005	17	455890	5376800	483245	813550	42A/12	DIAMICTON	UNOXIDIZED	5Y5/2	15.09

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Geochemical Results

Clay sized fraction (<2μm)

Notes:

1) ***Detection*** refers to the lower limits of detection for the different elements. Values indicated as less than the limit are used to indicate that elements were not present in detectable concentrations for a sample.

2) ***Obs*** refers to whether or not a duplicate sample was submitted for analysis . If a "2" appears in this column, it indicates a duplicate or reanalysis.

3) The asterisk for detection limit of Se and W indicates that the limit was raised from 5 to 10 ppm from the 1987 to 1988 sample batches. The latter limit is indicated here.

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB0101		3.64	0.1	10	190	0.25	2	5.34	0.25	22	99	69	5.25	10	1	0.93	5	2.13	559	0.5	0.10	52	5110	24	5	5	107	0.17	5	5	75	2.5	117
87SJB0102		3.29	0.1	2.5	150	1	2	6.20	0.25	15	95	45	4.01	10	0.5	0.90	5	2.34	536	0.5	0.13	42	6510	10	5	5	109	0.16	5	5	66	2.5	88
87SJB0103		2.99	0.1	5	160	0.5	1	5.77	0.25	16	87	46	3.70	10	0.5	0.81	5	2.18	506	0.5	0.13	38	6810	8	2.5	5	107	0.15	5	5	60	2.5	81
87SJB0104		2.71	0.1	2.5	110	0.25	1	7.21	0.25	15	82	41	3.25	5	0.5	0.87	5	2.20	436	0.5	0.15	36	7560	4	2.5	5	134	0.10	5	5	54	5	65
87SJB0105		2.85	0.1	10	130	0.5	1	7.07	0.25	16	85	45	3.38	5	0.5	0.93	5	2.28	440	0.5	0.16	40	7840	1	2.5	5	169	0.10	5	5	56	2.5	68
87SJB0106		3.02	0.1	15	120	1	1	6.11	0.25	16	87	41	3.69	10	0.5	0.86	5	2.21	510	0.5	0.13	40	6670	14	2.5	10	182	0.14	5	5	60	2.5	81
87SJB0107		3.86	0.1	2.5	160	1	1	5.74	0.25	18	102	49	4.52	10	1	0.96	5	2.24	612	0.5	0.13	47	5310	22	2.5	5	125	0.16	5	5	74	2.5	99
87SJB0108		3.63	0.1	2.5	170	0.5	1	5.64	0.25	15	99	45	4.22	10	1	1.01	5	2.28	565	0.5	0.14	45	5530	16	2.5	5	166	0.14	5	5	70	2.5	90
87SJB0109		3.70	0.1	5	180	0.5	1	5.63	0.25	15	101	49	4.50	10	0.5	0.92	5	2.27	629	0.5	0.13	47	5490	16	5	5	104	0.15	5	5	72	2.5	98
87SJB0110		3.73	0.2	2.5	200	0.5	1	5.43	0.25	18	100	49	4.54	10	0.5	0.94	5	2.29	617	0.5	0.13	48	5780	14	2.5	5	101	0.16	5	5	73	2.5	99
87SJB0111		2.63	0.1	10	130	0.5	2	7.64	0.25	15	73	39	3.21	5	1	0.65	5	2.66	457	0.5	0.10	34	3260	16	5	10	86	0.14	5	5	54	2.5	70
87SJB0112		2.92	0.1	5	140	0.5	2	6.34	0.25	16	78	41	3.53	10	0.5	0.73	5	2.39	479	0.5	0.10	37	3380	12	2.5	5	80	0.15	5	5	59	2.5	77
87SJB0113		2.12	0.1	2.5	110	0.25	2	7.76	0.25	13	60	30	2.63	5	1	0.52	5	2.60	416	0.5	0.08	29	3150	10	2.5	5	86	0.12	5	5	45	2.5	57
87SJB0114		3.83	0.6	10	170	2	2	1.97	0.25	22	106	55	4.94	10	0.5	0.97	30	2.38	506	0.5	0.15	52	3460	14	2.5	5	56	0.18	5	5	77	2.5	106
87SJB0115		3.15	0.1	15	200	0.25	1	6.54	0.25	21	111	90	4.15	10	0.5	0.80	70	2.12	547	0.5	0.21	55	10000	2	2.5	5	93	0.06	5	5	74	2.5	80
87SJB0203		3.34	0.1	10	130	1	2	6.21	0.25	15	94	42	4.14	10	2	0.80	5	2.15	590	0.5	0.11	47	5260	12	2.5	5	87	0.15	5	5	67	2.5	91
87SJB0204		2.99	0.1	2.5	120	0.25	1	5.74	0.25	16	86	43	3.74	10	0.5	0.71	5	1.99	522	0.5	0.11	40	5650	12	2.5	5	90	0.13	5	5	59	2.5	83
87SJB0205		2.91	0.1	5	140	0.25	2	6.64	0.25	16	84	44	3.80	5	0.5	0.66	5	2.04	582	0.5	0.12	41	5600	12	5	10	107	0.12	5	5	59	2.5	83
87SJB0206		3.01	0.1	15	120	0.5	1	5.79	0.25	16	90	45	3.98	10	0.5	0.72	5	2.14	578	0.5	0.12	43	5860	12	5	5	97	0.13	5	5	60	2.5	88
87SJB0207		3.06	0.1	2.5	130	0.5	1	5.85	0.25	16	88	51	3.93	10	1	0.73	5	2.28	522	0.5	0.11	44	3720	14	2.5	10	83	0.15	5	5	62	2.5	87
87SJB0208		3.31	0.1	15	160	1.5	1	6.75	0.25	16	91	43	3.96	10	0.5	0.82	5	2.31	591	0.5	0.11	43	4190	14	5	5	111	0.16	5	5	66	2.5	86
87SJB0209		3.34	0.1	15	170	1	1	5.78	0.25	16	93	56	3.99	10	0.5	0.83	5	2.28	535	0.5	0.12	42	4370	10	5	10	88	0.15	5	5	66	2.5	88
87SJB0210		3.54	0.1	2.5	190	1	1	6.55	0.25	15	99	57	4.13	10	0.5	0.89	5	2.50	593	0.5	0.12	45	4540	16	2.5	5	113	0.16	5	5	70	2.5	92
87SJB0211		0.89	0.1	2.5	50	0.25	1	8.04	0.25	7	31	14	1.24	5	0.5	0.20	5	2.63	259	0.5	0.04	14	1650	2	2.5	5	77	0.08	5	5	23	2.5	25
87SJB0211	2	1.76	0.1	2.5	110	0.25	2	8.82	0.25	11	58	24	2.37	5	3	0.42	5	2.34	425	0.5	0.06	29	530	14	2.5	6	105	0.13	5	5	39	2.5	49
87SJB0212		3.17	0.1	2.5	200	0.25	1	6.19	0.25	19	123	64	3.96	5	0.5	0.77	5	2.20	560	0.5	0.20	52	10000	1	2.5	5	113	0.08	5	5	69	2.5	82
87SJB0213		3.47	0.1	5	210	0.25	1	7.92	0.25	20	139	60	4.35	10	0.5	0.92	5	2.46	660	0.5	0.17	63	9970	1	5	5	133	0.08	5	5	81	2.5	89
87SJB0214		3.38	0.1	5	190	0.25	1	6.58	0.25	20	124	56	4.19	5	0.5	0.79	5	2.22	623	0.5	0.19	56	10000	2	2.5	5	126	0.10	5	5	73	5	85
87SJB0215		3.54	0.1	5	200	0.25	1	6.91	0.25	20	130	56	4.25	5	0.5	0.83	5	2.26	647	0.5	0.19	56	10000	4	5	5	132	0.09	5	5	75	2.5	86
87SJB0216		3.61	0.1	5	220	0.25	1	7.05	0.25	20	130	63	4.25	10	0.5	0.86	5	2.30	653	0.5	0.20	55	10000	1	5	5	134	0.07	5	5	77	2.5	88
87SJB0217		3.41	0.1	10	210	0.25	1	7.79	0.25	20	137	59	4.32	5	0.5	0.82	5	2.44	659	0.5	0.18	56	10000	1	5	5	135	0.11	5	5	76	2.5	86
87SJB0302		2.37	0.1	2.5	120	0.25	1	7.81	0.25	18	85	39	3.11	5	0.5	0.57	5	2.11	534	0.5	0.14	40	8790	1	2.5	10	97	0.10	5	5	51	5	63
87SJB0304		2.65	0.1	2.5	120	0.25	1	6.58	0.25	18	93	36	3.46	5	0.5	0.66	5	2.13	556	0.5	0.13	42	5480	1	5	5	99	0.13	5	5	56	2.5	68
87SJB0305		0.41	0.1	5	30	0.25	1	13.95	0.25	6	52	18	1.12	5	0.5	0.09	5	2.12	194	3	0.04	11	4410	1	2.5	5	108	0.03	5	5	13	2.5	41
87SJB0305	2	2.75	0.1	15	110	0.25	1	5.63	0.25	19	107	34	3.90	5	2	0.53	5	2.02	525	5	2.02	51	10000	16	5	7	60	0.14	5	5	62	10	102
87SJB0306		2.79	0.1	2.5	110	0.5	4	5.39	0.25	21	95	34	3.73	5	0.5	0.58	40	2.00	602	0.5	0.11	47	4670	22	2.5	5	105	0.14	5	5	59	5	79
87SJB0307		3.19	0.1	2.5	190	0.5	6	8.05	0.25	26	135	48	4.26	5	0.5	0.73	20	2.36	710	0.5	0.13	64	6180	14	2.5	5	113	0.13	5	5	77	5	88
87SJB0308		2.45	0.1	2.5	160	0.5	4	10.55	0.25	24	125	47	3.78	5	0.5	0.56	5	2.36	638	0.5	0.16	61	10000	6	2.5	5	126	0.06	5	5	61	5	72

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB0309		2.37	0.1	2.5	180	0.5	4	12.15	0.5	23	113	46	3.71	5	0.5	0.55	5	2.40	743	0.5	0.12	50	10000	16	2.5	5	134	0.08	5	5	64	10	67
87SJB0310		2.81	0.1	2.5	170	1	6	10.85	0.25	24	114	40	4.07	5	0.5	0.62	5	2.36	792	0.5	0.13	55	9470	6	2.5	5	121	0.09	5	5	66	5	76
87SJB0311		3.39	0.1	2.5	160	1	4	8.52	0.25	24	120	45	4.40	10	0.5	0.74	20	2.21	682	0.5	0.15	55	9780	10	5	5	96	0.12	5	5	73	5	89
87SJB0312		2.97	0.1	2.5	190	1	4	7.81	0.25	29	111	49	4.45	5	0.5	0.59	20	1.89	773	0.5	0.14	68	9750	6	2.5	5	79	0.10	5	5	66	5	80
87SJB0313		2.83	0.1	5	200	0.5	4	9.23	0.25	30	111	48	3.71	5	0.5	0.60	5	2.22	638	0.5	0.26	57	7560	4	2.5	10	135	0.09	5	5	62	10	65
87SJB0315		2.69	0.1	2.5	170	0.5	4	6.70	0.25	27	104	45	4.13	5	0.5	0.50	20	1.72	725	0.5	0.13	69	9080	10	2.5	5	71	0.09	5	5	58	5	79
87SJB0401		3.58	0.1	15	140	0.5	1	5.64	0.25	15	90	71	4.62	10	3	0.65	5	2.04	612	0.5	0.10	43	4470	20	5	10	67	0.16	5	5	72	2.5	86
87SJB0404		3.34	0.1	2.5	120	1	2	7.47	0.25	20	94	33	3.95	10	0.5	0.90	20	2.31	566	0.5	0.13	48	5890	6	2.5	5	114	0.13	5	5	65	2.5	81
87SJB0405		3.34	0.1	2.5	110	1	2	7.77	0.25	23	97	33	4.01	10	0.5	0.92	20	2.37	578	0.5	0.12	48	5450	8	2.5	5	151	0.15	5	5	66	2.5	86
87SJB0406		3.30	0.1	5	120	1	2	7.42	0.25	17	92	45	3.70	10	0.5	0.68	5	1.93	561	0.5	0.11	43	6330	16	2.5	5	155	0.11	5	5	62	2.5	81
87SJB0407		3.18	0.1	5	160	1	4	8.49	0.25	25	111	41	4.11	10	0.5	0.81	10	2.40	656	0.5	0.20	53	10000	12	2.5	5	146	0.08	5	5	67	5	87
87SJB0408		3.09	0.1	2.5	150	1	4	8.76	0.25	25	134	47	4.18	10	0.5	0.71	10	2.42	714	0.5	0.15	57	6960	14	2.5	5	139	0.11	5	5	71	10	82
87SJB0409		3.38	0.1	2.5	150	0.5	4	6.08	0.25	24	115	43	4.32	10	0.5	0.76	40	2.20	699	0.5	0.14	53	5790	2	2.5	5	122	0.16	5	5	72	5	90
87SJB0410		3.08	0.1	2.5	150	1	2	7.36	0.5	24	109	45	4.14	5	0.5	0.72	30	2.33	720	0.5	0.12	54	7190	18	2.5	5	114	0.12	5	5	67	5	84
87SJB0411		4.05	0.2	5	190	0.5	1	5.68	0.25	21	110	53	4.67	10	0.5	0.73	5	2.08	849	0.5	0.10	49	3510	22	5	10	102	0.15	5	5	78	2.5	101
87SJB0412		3.89	0.1	2.5	2050	1.5	2	6.53	1	50	108	83	10.75	30	0.5	3.09	330	3.55	1475	0.5	0.16	59	3480	1	2.5	5	674	0.38	5	5	276	10	148
87SJB0504		2.92	0.1	15	100	1	1	7.03	0.25	19	80	42	3.51	10	0.5	0.55	30	1.76	550	0.5	0.09	42	6190	8	2.5	5	79	0.12	5	5	61	5	75
87SJB0505		3.26	0.1	2.5	130	1	4	7.38	0.5	23	95	44	4.28	10	0.5	0.70	30	2.21	665	0.5	0.10	53	5520	14	2.5	5	106	0.16	5	5	68	5	94
87SJB0506		2.80	0.1	5	100	1	2	7.03	0.25	20	82	34	3.65	5	0.5	0.60	30	1.99	583	0.5	0.07	42	3350	2	2.5	5	101	0.15	5	5	59	2.5	80
87SJB0507		3.02	0.1	2.5	130	1	1	7.40	0.25	20	92	50	3.99	5	0.5	0.67	30	2.26	628	0.5	0.10	45	5070	20	2.5	5	114	0.14	5	5	60	2.5	89
87SJB0508		3.50	0.1	2.5	140	1.5	1	6.15	0.5	23	104	47	4.58	5	0.5	0.80	40	2.26	697	0.5	0.13	54	4890	20	2.5	5	120	0.15	5	5	69	2.5	104
87SJB0509		2.94	0.1	2.5	340	0.5	1	5.53	0.25	39	259	73	4.37	5	0.5	1.21	40	2.56	525	0.5	0.24	130	4970	16	2.5	5	135	0.09	5	5	133	2.5	114
87SJB0510		2.97	0.1	2.5	210	0.5	4	4.69	0.25	21	116	58	3.70	5	0.5	0.54	50	2.10	517	0.5	0.12	54	5910	14	2.5	5	108	0.15	5	5	66	2.5	80
87SJB0511		4.37	0.6	15	210	1	1	2.43	0.25	22	124	61	4.87	10	0.5	0.69	40	1.94	569	0.5	0.15	57	6230	10	2.5	5	116	0.18	5	5	80	2.5	103
87SJB0601		3.54	0.1	2.5	190	1	1	7.82	0.25	20	93	47	4.26	5	0.5	0.93	20	2.25	547	0.5	0.10	49	3870	16	2.5	5	101	0.17	5	5	67	2.5	94
87SJB0602		2.64	0.1	2.5	140	1	1	9.04	0.5	16	77	40	3.33	5	0.5	0.70	5	2.30	437	0.5	0.10	37	4450	14	2.5	5	103	0.13	5	5	52	2.5	74
87SJB0603		2.83	0.1	2.5	110	1	1	7.88	0.25	18	86	33	3.42	5	0.5	0.79	20	2.36	523	0.5	0.10	38	4350	12	2.5	5	99	0.12	5	5	57	2.5	74
87SJB0604		3.01	0.1	15	160	1	2	8.61	0.25	17	81	38	3.56	5	0.5	0.82	5	2.18	479	0.5	0.09	43	3720	18	2.5	5	106	0.15	5	5	57	2.5	78
87SJB0605		2.75	0.1	2.5	130	1	1	7.27	0.25	18	85	36	3.45	5	0.5	0.73	20	2.31	528	0.5	0.11	38	4860	14	2.5	5	93	0.12	5	5	56	2.5	75
87SJB0606		3.32	0.1	2.5	170	1	1	4.87	0.5	21	98	53	4.23	5	0.5	0.84	40	2.41	535	0.5	0.21	47	6210	16	2.5	5	71	0.13	5	5	66	2.5	92
87SJB0609		3.40	0.1	5	180	0.5	1	5.89	0.25	16	90	53	3.97	10	1	0.69	5	2.00	635	0.5	0.12	39	6970	14	2.5	5	69	0.12	5	5	65	2.5	88
87SJB0612		2.33	0.1	5	110	0.5	1	6.82	0.25	14	70	34	2.95	5	1	0.46	5	2.27	451	0.5	0.08	32	4030	10	2.5	5	72	0.12	5	5	51	2.5	63
87SJB0612	2	2.55	0.1	2.5	100	0.25	2	5.26	0.25	16	100	32	3.65	5	5	0.49	5	1.88	490	5	1.89	48	10000	18	2.5	7	56	0.13	5	5	58	10	96
87SJB0614		2.08	0.1	5	100	0.5	2	7.88	0.25	14	62	34	2.75	5	0.5	0.42	5	2.44	445	0.5	0.07	28	3900	16	5	10	81	0.11	5	5	46	2.5	58
87SJB0614	2	2.86	0.1	2.5	110	0.25	1	4.78	0.25	19	106	38	4.00	5	5	0.54	5	1.97	565	5	1.81	54	10000	18	5	8	56	0.14	5	5	64	10	106
87SJB0615		3.25	0.1	10	150	0.5	2	6.07	0.25	15	96	48	4.17	10	1	0.68	5	2.10	595	0.5	0.08	45	4180	20	5	5	106	0.14	5	5	69	2.5	90
87SJB0616		3.22	0.2	25	170	0.5	1	5.81	0.25	16	91	44	4.19	10	0.5	0.79	5	2.15	588	0.5	0.09	44	4190	154	2.5	10	114	0.14	5	5	64	2.5	104
87SJB0617		3.12	0.1	10	170	1	1	6.37	0.25	16	89	50	3.99	10	1	0.73	5	2.10	611	0.5	0.11	42	5470	10	2.5	5	123	0.14	5	5	63	2.5	89

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB0618		3.07	0.1	2.5	150	1	1	6.37	0.25	28	92	41	4.07	10	0.5	0.76	5	2.09	617	0.5	0.13	45	4720	18	2.5	10	123	0.14	5	5	63	2.5	92
87SJB0701		2.78	0.1	15	130	0.5	1	7.62	0.25	17	75	46	3.70	5	0.5	0.48	5	1.70	665	0.5	0.07	38	3770	12	2.5	10	79	0.12	5	5	57	2.5	77
87SJB0801		3.17	0.1	2.5	170	1	1	6.18	0.25	16	89	45	3.96	5	0.5	0.78	30	2.05	442	0.5	0.13	36	5310	24	2.5	5	80	0.17	5	5	64	2.5	84
87SJB0802		3.36	0.1	2.5	170	1	1	6.17	0.25	18	91	47	4.08	5	0.5	0.77	30	2.08	470	0.5	0.13	43	5090	10	2.5	5	77	0.17	5	5	65	2.5	85
87SJB0803		2.94	0.1	15	130	0.5	1	6.01	0.25	16	88	50	3.71	5	0.5	0.81	5	2.35	483	0.5	0.11	41	4470	14	5	5	116	0.15	5	5	59	2.5	80
87SJB0804		2.70	0.1	5	120	0.5	1	6.36	0.25	15	79	46	3.32	5	0.5	0.75	5	2.37	455	0.5	0.12	37	5100	10	2.5	5	120	0.13	5	5	54	2.5	72
87SJB0805		2.98	0.1	5	140	1	1	7.53	0.25	16	80	42	3.45	10	0.5	0.76	5	2.40	500	0.5	0.11	37	5600	18	5	10	128	0.13	5	5	58	2.5	74
87SJB0806		3.38	0.1	5	140	1	1	5.80	0.25	16	93	47	4.09	10	2	0.85	5	2.14	555	0.5	0.14	43	7030	8	5	5	120	0.13	5	5	66	2.5	89
87SJB0807		3.20	0.1	10	140	0.5	1	5.64	0.25	16	89	48	3.91	10	1	0.78	5	2.04	542	0.5	0.13	43	6970	10	2.5	5	119	0.12	5	5	63	2.5	85
87SJB0808		3.21	0.1	2.5	140	0.5	1	5.59	0.25	16	88	42	3.95	10	0.5	0.79	5	2.11	568	0.5	0.12	43	5470	8	5	5	94	0.14	5	5	64	2.5	87
87SJB0809		3.46	0.1	15	170	1.5	1	5.88	0.25	15	93	50	4.19	10	0.5	0.86	5	2.26	571	0.5	0.13	45	5740	14	2.5	5	96	0.15	5	5	69	2.5	92
87SJB0810		3.28	0.1	5	180	1	1	5.33	0.25	15	89	44	4.06	5	0.5	0.79	5	2.05	575	0.5	0.11	44	5110	20	5	5	100	0.15	5	5	65	2.5	87
87SJB0811		1.44	0.1	2.5	100	0.5	2	8.43	0.25	13	51	24	1.98	5	0.5	0.31	5	2.61	369	0.5	0.07	23	3370	10	2.5	5	91	0.11	5	5	34	2.5	41
87SJB0811	2	2.31	0.1	2.5	110	0.25	1	6.50	0.25	16	97	36	3.50	5	1	0.50	5	2.38	490	5	1.22	49	9640	10	5	7	69	0.16	5	5	54	10	90
87SJB0812		3.51	0.1	2.5	190	1	2	6.53	0.25	24	126	59	4.42	5	0.5	0.77	30	2.40	693	0.5	0.14	59	8100	22	2.5	5	114	0.15	5	5	76	2.5	94
87SJB0813	2	2.43	0.1	2.5	270	0.25	2	5.58	0.25	23	220	71	3.97	5	5	0.93	5	2.45	460	1	1.44	72	10000	4	2.5	10	75	0.26	5	5	85	10	96
87SJB0813		1.82	0.1	2.5	270	0.25	1	6.29	0.25	21	168	56	3.00	5	0.5	0.78	20	2.51	453	1	0.18	54	6810	20	2.5	5	91	0.07	5	5	68	2.5	57
87SJB0901		3.48	0.1	2.5	190	1	1	5.49	0.5	17	95	46	4.25	10	1	0.77	40	2.02	499	0.5	0.11	46	4830	20	2.5	5	69	0.16	5	5	70	2.5	90
87SJB0902		3.55	0.1	2.5	170	1	1	4.56	0.25	21	97	55	4.38	10	0.5	0.84	40	2.27	556	0.5	0.14	50	5350	18	2.5	5	67	0.16	5	5	71	2.5	99
87SJB0903		3.98	0.1	2.5	200	0.25	1	4.43	0.25	21	103	61	4.94	5	0.5	0.98	20	2.30	583	0.5	0.17	52	7030	10	2.5	10	80	0.18	10	5	81	5	108
87SJB0904		4.03	0.1	2.5	190	0.5	1	3.64	0.25	21	105	68	5.12	5	0.5	0.99	30	2.36	569	0.5	0.20	55	7440	10	2.5	5	71	0.18	5	5	83	2.5	112
87SJB0905		3.76	0.1	2.5	200	0.5	1	3.77	0.25	21	105	56	5.17	5	0.5	0.89	30	2.33	590	0.5	0.14	55	4740	12	2.5	5	70	0.18	10	5	80	2.5	110
87SJB1001		3.05	0.1	10	150	1	1	5.20	0.25	16	87	49	3.81	5	0.5	0.67	30	2.14	410	0.5	0.13	35	4380	2	2.5	5	64	0.15	5	5	61	2.5	87
87SJB1002		3.43	0.1	5	190	0.25	1	6.75	0.25	19	96	51	4.43	5	0.5	0.80	5	2.29	587	0.5	0.11	46	3680	12	2.5	5	86	0.18	10	5	74	5	95
87SJB1003		3.11	0.1	2.5	150	0.5	1	6.55	0.25	18	86	48	4.08	5	0.5	0.72	5	2.20	628	0.5	0.10	44	5020	8	2.5	10	89	0.17	5	5	68	5	88
87SJB1101		3.36	0.1	2.5	180	0.25	1	6.27	0.25	15	86	48	4.26	5	0.5	0.76	5	2.15	472	0.5	0.11	42	3810	12	2.5	5	80	0.17	10	5	72	5	91
87SJB1102		3.36	0.1	5	180	0.25	1	6.17	0.25	19	86	49	4.43	5	0.5	0.80	5	2.24	569	0.5	0.12	46	4130	14	2.5	10	81	0.17	10	5	73	5	92
87SJB1103		4.15	0.1	5	200	0.5	1	4.02	0.25	21	100	56	5.20	5	0.5	1.02	30	2.29	573	0.5	0.13	56	3680	12	2.5	10	71	0.18	5	5	85	5	110
87SJB1104		4.23	0.1	5	210	1	1	5.24	0.25	21	106	62	5.11	5	0.5	1.02	20	2.42	635	0.5	0.14	55	4160	14	5	5	79	0.19	10	5	86	5	113
87SJB1105		1.75	0.1	2.5	140	0.5	1	10.75	0.25	16	67	35	2.33	5	1	0.42	5	2.46	459	0.5	0.11	29	7050	10	2.5	5	105	0.09	5	5	43	2.5	52
87SJB1106		1.31	0.1	5	90	0.25	1	10.10	0.25	11	54	25	1.73	5	0.5	0.31	5	2.52	370	0.5	0.09	18	6780	10	2.5	5	93	0.08	5	5	32	5	36
87SJB1106	2	1.93	0.1	2.5	100	0.25	1	10.11	0.25	16	97	36	2.78	5	5	0.45	5	2.37	470	5	1.06	45	8580	8	2.5	6	86	0.14	5	5	44	10	72
87SJB1107		1.30	0.1	2.5	80	0.25	1	9.02	0.25	11	49	20	1.69	5	0.5	0.28	5	2.49	362	0.5	0.08	21	4350	4	2.5	5	87	0.09	5	5	30	2.5	35
87SJB1107	2	2.24	0.1	2.5	100	0.25	2	9.27	0.25	16	89	31	3.16	5	1	0.49	5	2.36	535	5	0.84	44	6300	4	2.5	7	89	0.17	5	5	51	10	80
87SJB1108		1.33	0.1	2.5	90	0.25	1	9.55	0.25	12	71	24	1.87	5	0.5	0.35	5	2.10	358	0.5	0.07	24	3160	1	2.5	5	99	0.09	5	5	34	2.5	36
87SJB1108	2	2.77	0.1	20	120	0.25	1	5.82	0.25	15	102	31	3.69	5	5	0.66	5	2.19	540	5	0.61	46	4090	14	5	8	87	0.22	5	5	62	5	90
87SJB1109		3.03	0.1	2.5	140	1	2	5.48	0.25	20	101	37	3.52	10	0.5	0.75	40	2.15	583	0.5	0.13	45	3770	6	2.5	5	101	0.17	5	5	64	2.5	77
87SJB1110	2	2.03	0.1	5	120	0.25	2	12.56	0.25	15	106	32	2.95	5	5	0.50	5	2.41	480	5	0.60	42	4490	10	2.5	6	119	0.15	5	5	47	10	68

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB1110		1.76	0.1	2.5	110	0.5	2	11.25	0.25	16	90	30	2.36	5	0.5	0.45	5	2.45	446	0.5	0.09	34	4530	8	2.5	5	119	0.10	5	5	42	2.5	45
87SJB1111		0.92	0.1	2.5	90	0.25	2	12.45	0.25	12	61	24	1.53	5	0.5	0.23	5	2.52	331	0.5	0.05	21	3820	2	5	6	109	0.08	5	5	27	5	26
87SJB1111	2	1.74	0.1	2.5	110	0.25	2	12.79	0.25	20	118	43	2.87	5	5	0.40	5	2.40	480	2	1.18	56	10000	18	2.5	5	105	0.12	5	5	44	10	68
87SJB1112	2	2.25	0.1	2.5	120	0.25	2	11.27	0.25	16	102	36	3.21	5	5	0.51	5	2.47	540	5	0.82	49	6080	4	2.5	7	108	0.17	5	5	52	10	76
87SJB1112		2.31	0.1	15	120	0.5	1	9.20	0.25	19	94	36	2.87	5	0.5	0.55	5	2.43	512	0.5	0.11	42	4630	6	2.5	5	113	0.11	5	5	50	5	60
87SJB1113		2.51	0.1	2.5	170	0.5	1	8.64	0.25	27	116	50	3.57	5	0.5	0.68	5	2.43	581	0.5	0.15	55	4530	1	2.5	5	117	0.10	5	5	75	5	77
87SJB1114		2.33	0.1	2.5	150	0.5	1	7.76	0.25	25	125	44	3.34	5	0.5	0.55	10	2.41	637	0.5	0.13	57	4910	8	2.5	5	110	0.09	5	5	53	2.5	68
87SJB1115		2.33	0.1	5	140	0.5	1	7.67	0.25	30	112	49	3.55	5	0.5	0.56	10	2.46	640	0.5	0.16	60	4580	6	2.5	5	103	0.09	5	5	54	2.5	68
87SJB1115	2	2.15	0.1	2.5	120	0.25	1	9.28	0.25	36	117	47	3.33	5	5	0.47	5	2.68	585	5	1.21	64	9480	8	2.5	7	93	0.15	5	5	49	20	70
87SJB1116		2.87	0.1	2.5	180	0.5	1	8.42	0.25	23	115	45	3.67	5	0.5	0.72	20	2.34	645	0.5	0.14	49	4500	4	2.5	5	113	0.13	5	5	60	5	80
87SJB1117		3.03	0.1	2.5	180	0.5	1	9.17	0.5	22	126	49	3.79	5	0.5	0.75	5	2.48	645	0.5	0.13	54	4900	6	2.5	5	118	0.14	5	5	67	10	78
87SJB1118		3.01	0.1	2.5	160	1	1	9.64	0.25	22	112	44	3.56	5	0.5	0.72	5	2.38	646	0.5	0.12	47	4470	10	2.5	5	114	0.15	5	5	64	2.5	76
87SJB1119		3.63	0.1	5	210	1	2	8.30	0.25	23	132	54	4.12	10	1	0.94	20	2.58	712	0.5	0.14	57	5070	12	2.5	5	112	0.15	5	5	81	2.5	90
87SJB1120		3.40	0.1	2.5	220	0.5	1	8.12	0.25	24	131	60	3.98	10	0.5	0.88	20	2.50	693	0.5	0.14	55	5330	1	2.5	5	110	0.12	5	5	76	5	86
87SJB1201		4.20	0.1	10	190	0.25	1	4.55	0.25	16	98	69	5.18	5	0.5	0.81	20	2.02	492	1	0.12	47	3970	14	2.5	10	60	0.19	5	5	88	5	99
87SJB1206		3.19	0.1	2.5	130	1	1	5.91	0.25	21	94	45	3.89	5	0.5	0.78	40	2.16	603	0.5	0.11	48	6010	6	2.5	5	79	0.14	5	5	63	5	87
87SJB1207		3.23	0.1	2.5	140	1	1	5.47	0.25	21	98	50	4.07	10	0.5	0.75	40	2.20	593	0.5	0.11	47	4350	2	2.5	5	86	0.15	5	5	65	2.5	94
87SJB1208		3.46	0.1	2.5	190	1	1	6.24	0.25	21	119	50	4.17	10	0.5	0.85	30	2.25	614	0.5	0.12	47	6250	14	2.5	5	111	0.14	5	5	69	5	89
87SJB1209		2.96	0.1	2.5	150	1	1	7.47	0.25	20	118	49	3.86	5	0.5	0.70	20	2.33	599	0.5	0.11	46	5820	18	2.5	5	113	0.13	5	5	60	5	81
87SJB1211		2.36	0.1	2.5	140	0.5	1	8.27	0.25	17	94	40	2.88	5	0.5	0.51	10	2.57	537	0.5	0.09	37	4210	10	2.5	5	100	0.13	5	5	51	2.5	60
87SJB1212		2.85	0.1	2.5	150	0.5	1	8.06	0.5	21	111	42	3.51	5	0.5	0.68	10	2.32	634	0.5	0.12	49	5320	18	2.5	5	101	0.13	5	5	61	2.5	75
87SJB1213		2.76	0.1	2.5	140	0.5	1	7.16	0.25	19	102	42	3.36	5	0.5	0.61	20	2.14	613	0.5	0.13	43	5300	2	2.5	5	91	0.13	5	5	56	2.5	73
87SJB1301		3.75	0.1	10	200	1.5	1	5.09	0.25	16	93	66	5.04	5	0.5	0.83	10	2.00	518	0.5	0.13	47	4670	12	2.5	5	64	0.17	5	5	80	2.5	105
87SJB1302		3.27	0.1	5	160	0.25	1	6.33	0.25	13	85	50	4.62	5	0.5	0.72	5	2.04	446	0.5	0.08	40	2330	14	2.5	5	72	0.17	5	5	72	5	99
87SJB1303		3.26	0.1	5	150	0.25	1	6.53	0.25	20	86	50	4.43	5	0.5	0.72	5	2.18	594	0.5	0.07	48	2430	10	2.5	5	73	0.17	5	5	74	5	102
87SJB1304		3.05	0.1	2.5	180	1	1	6.08	0.25	20	94	43	3.88	10	0.5	0.70	30	2.11	589	0.5	0.10	42	4490	1	2.5	5	77	0.14	5	5	62	2.5	88
87SJB1305		2.98	0.1	20	130	1	1	6.43	0.25	20	93	52	3.87	5	0.5	0.72	30	2.26	587	0.5	0.11	46	6020	1	2.5	5	87	0.14	5	5	61	2.5	87
87SJB1306		3.22	0.1	2.5	140	1	1	6.92	0.25	22	110	49	4.12	10	0.5	0.81	30	2.35	643	0.5	0.12	50	6670	10	2.5	5	112	0.14	5	5	65	2.5	90
87SJB1307		3.09	0.1	2.5	130	1	1	6.54	0.25	21	105	47	3.95	10	0.5	0.77	30	2.24	616	0.5	0.11	48	6030	14	2.5	5	112	0.14	5	5	63	2.5	87
87SJB1308		2.79	0.1	2.5	130	1	1	8.45	0.25	19	108	48	3.43	5	1	0.60	5	1.96	537	0.5	0.13	44	10000	8	5	5	121	0.11	5	5	60	10	72
87SJB1309		0.37	0.1	2.5	40	0.5	1	6.18	0.25	9	120	17	0.85	5	1	0.09	10	0.81	159	1	0.06	20	1860	12	2.5	5	113	0.07	5	5	205	10	23
87SJB1310		2.73	0.1	2.5	170	0.5	1	5.74	0.25	22	133	97	3.47	5	0.5	0.69	20	1.68	453	1	0.21	59	9640	8	2.5	5	87	0.08	5	5	62	5	80
87SJB1312		3.38	0.1	2.5	180	1	1	5.88	0.25	22	120	53	3.63	10	0.5	0.70	30	1.91	647	0.5	0.13	56	10000	8	2.5	5	95	0.09	5	5	66	2.5	88
87SJB1313		2.78	0.1	2.5	200	0.5	1	10.20	0.25	19	105	46	3.23	5	0.5	0.65	5	2.09	662	0.5	0.10	48	5360	4	2.5	5	119	0.12	5	5	54	5	68
87SJB1314		3.03	0.1	2.5	200	0.5	1	9.93	0.25	19	101	46	3.26	5	0.5	0.71	5	2.12	669	0.5	0.10	47	4340	10	2.5	5	114	0.14	5	5	60	5	70
87SJB1315		3.47	0.1	2.5	250	1	1	9.37	0.5	19	107	50	3.50	10	0.5	0.80	5	2.12	699	0.5	0.11	50	5560	6	2.5	5	111	0.14	5	5	66	5	76
87SJB1316		3.03	0.1	2.5	200	0.5	4	9.41	0.5	20	100	49	3.33	5	0.5	0.69	5	2.08	666	0.5	0.11	49	6140	1	2.5	5	105	0.12	5	5	58	2.5	75
87SJB1317		2.92	0.1	2.5	180	0.5	1	9.64	0.25	20	98	46	3.26	5	0.5	0.68	5	2.02	678	0.5	0.11	46	6370	8	2.5	5	102	0.11	5	5	58	5	71

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB1319		2.51	0.1	2.5	170	0.5	1	9.86	0.25	17	93	41	2.98	5	1	0.53	5	1.70	681	0.5	0.13	42	9390	6	2.5	5	105	0.08	5	5	51	2.5	66
87SJB1320		2.98	0.1	2.5	190	1	1	9.46	0.25	22	122	47	3.64	5	0.5	0.62	5	1.98	793	0.5	0.12	55	6630	1	2.5	5	105	0.12	5	5	60	5	78
87SJB1321		2.42	0.1	2.5	250	0.5	1	9.25	0.25	20	133	53	3.33	5	2	0.54	5	1.99	632	0.5	0.17	42	5780	1	2.5	5	114	0.11	5	5	56	5	62
87SJB1322		3.19	0.1	2.5	180	0.5	1	6.25	0.25	30	196	90	4.07	10	0.5	0.65	20	2.91	707	0.5	0.33	82	7260	6	2.5	5	109	0.10	5	5	93	2.5	82
87SJB1401		3.74	0.1	10	200	0.5	1	4.58	0.25	20	91	51	4.66	5	0.5	0.87	20	2.09	559	0.5	0.10	51	2500	14	5	5	72	0.18	5	5	79	5	107
87SJB1402		3.36	0.1	2.5	180	1	1	4.44	0.25	19	85	47	4.27	5	0.5	0.80	20	2.06	579	0.5	0.11	47	2980	10	2.5	5	83	0.17	5	5	70	2.5	101
87SJB1403		3.17	0.1	10	170	1	1	5.51	0.25	18	79	46	4.01	5	0.5	0.73	10	2.25	560	0.5	0.10	45	2500	14	5	5	79	0.16	5	5	67	2.5	94
87SJB1404		2.99	0.1	10	160	0.5	1	5.48	0.25	17	78	44	3.86	5	0.5	0.66	10	2.04	542	0.5	0.09	42	2510	12	2.5	5	68	0.15	5	5	64	5	91
87SJB1501		3.43	0.1	2.5	210	1	1	6.31	0.5	18	101	63	4.16	10	0.5	0.78	30	2.19	517	0.5	0.14	42	6400	28	2.5	5	73	0.15	5	5	71	5	93
87SJB1502		2.35	0.1	2.5	90	0.25	1	8.15	0.25	15	68	46	3.07	5	0.5	0.47	5	2.30	563	0.5	0.06	38	2580	12	2.5	5	72	0.13	5	5	55	5	72
87SJB1503		1.16	0.1	5	60	0.25	1	9.90	0.25	8	31	24	1.67	5	0.5	0.23	5	3.03	330	0.5	0.04	18	1720	4	2.5	5	67	0.08	5	5	30	2.5	35
87SJB1503	2	1.20	0.1	2.5	70	0.25	1	10.95	0.25	10	41	23	1.74	5	1	0.26	5	3.24	359	0.5	0.03	21	440	1	5	4	75	0.09	5	5	29	2.5	36
87SJB1504	2	1.31	0.1	2.5	70	0.25	1	9.54	0.25	10	42	20	1.85	5	0.5	0.28	5	2.54	338	0.5	0.03	22	460	2	2.5	5	73	0.10	5	5	30	2.5	39
87SJB1504		0.66	0.1	2.5	40	0.25	1	10.30	0.25	5	17	13	1.02	5	0.5	0.13	5	3.15	238	0.5	0.03	10	870	1	2.5	5	65	0.07	5	5	20	2.5	22
87SJB1604		2.27	0.1	10	120	0.5	1	7.93	0.25	14	68	32	2.69	5	1	0.52	10	2.29	451	0.5	0.08	29	3220	6	2.5	5	83	0.13	5	5	48	2.5	62
87SJB1605		3.05	0.1	2.5	150	0.25	1	4.99	0.25	17	81	44	4.02	5	0.5	0.70	10	2.00	559	0.5	0.09	44	2210	10	2.5	5	80	0.17	5	5	66	2.5	96
87SJB1606		3.03	0.1	2.5	170	0.5	1	4.12	0.25	18	75	40	4.00	5	0.5	0.72	20	1.94	570	0.5	0.09	44	2090	12	2.5	5	90	0.16	5	5	65	2.5	94
87SJB1607		3.27	0.1	2.5	180	1	1	5.32	0.25	19	83	42	4.20	5	0.5	0.77	10	2.09	626	0.5	0.09	47	2180	10	2.5	5	113	0.16	5	5	71	2.5	98
87SJB1608		3.18	0.1	2.5	160	1	1	6.53	0.25	20	94	42	3.81	10	0.5	0.76	30	2.44	583	0.5	0.12	43	4730	6	2.5	5	114	0.16	5	5	66	2.5	86
87SJB1609		3.73	0.1	5	190	1	1	5.20	0.25	22	130	57	4.24	10	0.5	0.79	40	2.29	649	0.5	0.19	50	9710	6	2.5	5	116	0.16	5	5	73	2.5	94
87SJB1610		3.52	0.1	2.5	150	1	1	3.69	0.25	23	112	51	4.09	10	0.5	0.71	50	2.07	619	0.5	0.14	51	5180	6	2.5	5	94	0.17	5	5	70	2.5	92
87SJB1611		3.77	0.1	2.5	170	1	1	2.76	0.25	23	121	59	4.38	10	0.5	0.74	50	2.10	569	0.5	0.16	54	4310	12	2.5	5	69	0.17	5	5	71	2.5	100
87SJB1612		3.63	0.1	2.5	160	1	1	2.69	0.5	22	113	53	4.17	10	0.5	0.72	50	2.01	556	0.5	0.15	48	3740	12	2.5	5	67	0.17	5	5	70	2.5	96
87SJB1613		3.37	0.1	2.5	190	1	1	3.39	0.25	20	108	50	3.89	10	0.5	0.68	50	2.01	578	0.5	0.14	46	4560	10	2.5	5	85	0.17	5	5	67	2.5	88
87SJB1614		3.43	0.1	10	190	1	1	3.75	0.25	22	113	50	3.99	10	0.5	0.70	50	2.10	598	0.5	0.14	47	5220	4	2.5	5	90	0.17	5	5	69	2.5	90
87SJB1615		3.63	0.1	5	330	1	1	7.20	0.25	21	131	94	3.93	10	0.5	0.81	40	2.14	1020	0.5	0.09	57	4290	4	2.5	5	125	0.18	5	5	73	5	88
87SJB1701		4.01	0.1	2.5	170	1	1	2.81	0.25	17	89	57	4.71	5	0.5	0.71	30	1.89	532	0.5	0.13	48	4010	10	2.5	5	49	0.16	5	5	77	2.5	95
87SJB1702		3.68	0.1	2.5	180	1.5	1	4.87	0.25	19	82	52	4.52	5	0.5	0.92	20	2.17	599	0.5	0.12	48	3490	16	2.5	5	71	0.16	5	5	74	2.5	106
87SJB1703		3.10	0.1	5	160	1.5	1	6.94	0.25	17	78	43	3.87	5	0.5	0.76	5	2.35	582	0.5	0.10	41	3040	8	2.5	5	84	0.15	5	5	65	2.5	90
87SJB1704		3.35	0.1	2.5	190	0.5	1	5.65	0.25	19	88	48	4.38	5	0.5	0.79	10	2.16	654	0.5	0.12	46	3930	10	2.5	5	83	0.17	5	5	73	2.5	100
87SJB1705		3.21	0.1	5	180	0.25	1	8.58	0.25	19	84	53	4.10	5	0.5	0.75	5	2.39	747	0.5	0.11	47	3460	16	2.5	5	112	0.17	5	5	72	2.5	97
87SJB1801		3.82	0.1	15	180	1.5	1	5.17	0.25	20	100	56	4.36	10	0.5	0.81	40	2.21	613	0.5	0.12	46	3700	10	2.5	5	65	0.17	5	5	76	2.5	93
87SJB1802		3.54	0.1	5	180	1	1	4.70	0.25	20	100	55	4.27	10	0.5	0.80	40	2.03	555	0.5	0.12	47	4310	14	2.5	5	64	0.16	5	5	72	2.5	93
87SJB1803		3.36	0.1	2.5	170	0.25	1	5.46	0.25	17	81	53	4.28	5	0.5	0.80	10	2.06	584	0.5	0.09	46	2720	14	2.5	5	64	0.16	5	5	71	2.5	99
87SJB1804	2	1.43	0.1	2.5	100	0.25	1	10.15	0.25	19	60	46	2.68	5	0.5	0.29	5	2.50	519	0.5	0.05	35	610	10	2.5	6	77	0.12	5	5	43	2.5	57
87SJB1804		1.50	0.1	5	90	0.25	1	9.73	0.25	13	47	39	2.27	5	0.5	0.31	5	2.90	378	0.5	0.07	31	2440	4	2.5	5	72	0.10	5	5	43	2.5	54
87SJB1811		2.92	0.1	2.5	190	0.5	1	8.56	0.25	21	124	62	3.52	5	0.5	0.86	10	2.60	625	0.5	0.16	45	6770	1	2.5	5	99	0.08	5	5	64	10	87
87SJB1812		3.11	0.1	2.5	200	0.5	1	8.09	0.5	21	118	63	3.52	5	0.5	0.90	10	2.44	607	0.5	0.16	48	10000	14	2.5	5	103	0.07	5	5	63	10	84

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB1813		3.05	0.1	2.5	190	0.5	1	9.40	0.5	20	110	48	3.39	5	0.5	0.89	5	2.48	641	0.5	0.14	40	7780	8	2.5	5	104	0.08	5	5	62	5	79
87SJB1814		3.78	0.1	2.5	290	0.5	2	8.57	0.25	22	141	67	4.10	10	0.5	0.96	10	2.34	802	0.5	0.13	53	5760	1	2.5	5	123	0.15	5	5	65	10	91
87SJB1815		3.67	0.1	2.5	260	0.5	1	8.54	0.25	24	141	65	4.08	10	0.5	0.93	10	2.36	799	0.5	0.13	64	5640	1	2.5	5	124	0.16	5	5	65	10	89
87SJB1816		3.51	0.1	15	240	0.5	1	8.49	0.25	23	132	63	3.89	10	1	0.87	10	2.38	781	0.5	0.15	57	6570	4	2.5	5	124	0.14	5	5	66	5	86
87SJB1817		3.37	0.1	2.5	210	0.5	1	8.15	0.25	22	113	58	3.63	5	0.5	0.82	10	2.25	750	0.5	0.12	53	5830	10	2.5	5	113	0.15	5	5	62	5	85
87SJB1901		4.28	0.1	2.5	230	2	1	3.16	0.25	17	103	55	5.03	5	0.5	0.83	30	2.11	504	0.5	0.12	50	2990	14	2.5	5	55	0.19	5	5	85	2.5	109
87SJB1902		3.68	0.1	10	190	0.5	1	4.85	0.25	14	82	63	4.60	5	1	0.85	10	1.95	458	0.5	0.13	43	4390	16	2.5	5	59	0.16	5	5	76	2.5	103
87SJB1903		3.28	0.1	2.5	160	1	1	5.42	0.25	23	110	62	4.24	10	0.5	0.82	40	2.24	696	0.5	0.14	51	5430	10	2.5	5	63	0.16	5	5	72	5	96
87SJB1907		3.32	0.1	2.5	220	0.5	1	5.82	0.25	28	157	66	4.12	5	0.5	0.97	40	2.55	697	0.5	0.18	65	8210	4	5	5	74	0.09	5	5	81	5	99
87SJB1908		3.35	0.1	2.5	240	0.5	1	6.25	0.25	29	161	90	4.49	10	0.5	0.94	30	2.75	756	0.5	0.21	67	8300	6	2.5	5	92	0.10	5	5	113	2.5	103
87SJB1909		3.24	0.1	2.5	220	0.5	1	4.63	0.25	25	137	62	3.95	10	0.5	0.83	40	2.47	641	0.5	0.16	66	4610	4	2.5	5	80	0.14	5	5	77	2.5	102
87SJB1910		3.63	0.1	2.5	220	0.5	1	7.37	0.25	23	135	64	4.00	10	1	0.95	20	2.52	667	0.5	0.17	54	8430	1	2.5	5	107	0.10	5	5	73	2.5	97
87SJB1911		2.28	0.1	2.5	100	0.5	1	9.91	0.25	16	78	35	2.64	5	1	0.47	5	2.42	488	0.5	0.11	31	7260	8	2.5	5	109	0.11	5	5	45	2.5	56
87SJB1912		3.16	0.1	2.5	170	1	2	9.15	0.25	19	104	48	3.45	5	0.5	0.67	5	2.22	647	0.5	0.13	45	8610	1	2.5	5	119	0.13	5	5	58	5	74
87SJB1913		3.20	0.1	2.5	140	1	1	7.41	0.25	19	91	43	3.46	5	0.5	0.65	20	1.97	563	0.5	0.14	41	8500	16	2.5	5	92	0.12	5	5	59	5	78
87SJB1914		3.14	0.1	2.5	140	1	1	8.34	0.5	19	104	44	3.54	5	0.5	0.68	10	2.04	616	0.5	0.14	41	8760	18	2.5	5	99	0.12	5	5	58	10	79
87SJB1918		3.99	0.1	2.5	300	1.5	1	1.33	0.5	52	239	110	6.35	10	0.5	0.25	40	1.48	1035	0.5	0.12	125	4530	1	2.5	5	60	0.11	5	5	142	2.5	163
87SJB1919		4.66	0.1	5	410	2	1	0.64	0.5	37	122	30	5.56	10	0.5	0.21	60	1.44	376	0.5	0.11	121	3230	1	2.5	5	90	0.08	5	5	120	2.5	311
87SJB1920		3.37	0.1	2.5	190	1.5	1	0.44	0.5	31	184	51	6.17	10	0.5	0.18	50	0.98	393	0.5	0.08	148	2450	2	2.5	5	43	0.05	5	5	125	2.5	206
87SJB2001		3.84	0.1	2.5	200	0.5	1	2.20	0.25	22	91	52	4.89	5	0.5	0.85	40	1.97	564	0.5	0.12	54	3600	16	2.5	5	48	0.18	5	5	79	2.5	114
87SJB2002		3.73	0.1	2.5	200	1	1	4.99	0.25	21	90	56	4.82	5	0.5	0.93	20	2.14	673	0.5	0.13	53	5170	14	2.5	5	72	0.16	5	5	77	2.5	110
87SJB2003		3.40	0.1	5	180	1	1	5.16	0.25	20	82	55	4.47	5	0.5	0.81	20	2.08	633	0.5	0.14	50	5160	10	2.5	5	75	0.15	5	5	71	2.5	106
87SJB2004		2.70	0.1	2.5	130	0.25	1	4.20	0.25	16	73	50	3.57	5	0.5	0.63	10	2.28	438	0.5	0.14	40	5800	12	2.5	5	53	0.14	5	5	58	2.5	83
87SJB2005		2.79	0.1	2.5	170	0.5	1	6.14	0.5	20	97	51	3.44	5	1	0.70	30	2.39	536	0.5	0.13	41	5570	4	2.5	5	87	0.14	5	5	59	5	79
87SJB2006		0.39	0.1	2.5	40	0.25	1	4.37	0.25	5	19	9	0.65	5	0.5	0.10	20	1.61	138	0.5	0.03	9	1060	4	2.5	5	38	0.05	5	5	13	2.5	12
87SJB2006	2	2.11	0.1	2.5	130	0.25	4	5.12	0.25	21	105	69	3.24	5	5	0.50	5	2.34	425	5	4.82	66	10000	12	5	6	53	0.04	5	5	55	20	102
87SJB2008		2.78	0.1	2.5	140	0.5	1	8.06	0.25	18	100	49	3.25	5	0.5	0.61	10	2.28	566	0.5	0.14	44	8030	6	2.5	5	94	0.13	5	5	56	2.5	71
87SJB2009		3.43	0.1	2.5	140	1	2	8.55	0.5	24	147	55	3.91	10	0.5	0.72	10	2.60	687	0.5	0.18	52	7720	2	2.5	5	109	0.14	5	5	71	2.5	86
87SJB2101		3.21	0.1	2.5	140	0.5	1	5.45	0.25	15	78	58	4.19	5	0.5	0.69	5	2.16	471	0.5	0.17	40	7040	10	2.5	5	59	0.15	5	5	69	2.5	92
87SJB2102		3.93	0.1	5	210	1.5	1	5.52	0.25	20	107	59	4.58	10	0.5	0.92	40	2.19	687	0.5	0.12	45	5150	14	2.5	5	69	0.18	5	5	79	5	100
87SJB2103		3.26	0.1	2.5	160	0.5	1	5.14	0.25	18	91	60	4.05	5	0.5	0.76	10	2.34	544	0.5	0.15	46	6090	12	2.5	5	63	0.16	10	5	68	2.5	97
87SJB2104		0.96	0.1	2.5	60	0.25	1	8.52	0.25	7	26	20	1.36	5	0.5	0.22	5	2.70	281	0.5	0.05	16	2540	1	2.5	5	62	0.08	5	5	26	2.5	29
87SJB2104	2	1.06	0.1	2.5	60	0.25	1	9.94	0.25	9	35	17	1.61	5	0.5	0.25	5	2.87	306	0.5	0.03	18	390	2	2.5	4	70	0.09	5	5	26	2.5	33
87SJB2112		4.96	0.1	5	250	2	1	3.27	0.25	20	105	74	4.42	5	0.5	0.49	40	1.54	470	1	0.15	48	7390	20	2.5	5	63	0.14	10	5	79	2.5	98
87SJB2113		4.85	0.1	2.5	240	1	1	3.37	0.25	19	104	60	4.49	5	0.5	0.47	40	1.54	472	0.5	0.16	45	7350	18	2.5	5	64	0.13	5	5	81	2.5	99
87SJB2114		3.32	0.1	2.5	150	1	1	7.63	0.5	18	143	52	3.96	5	0.5	0.59	20	2.16	664	0.5	0.13	39	7480	6	2.5	5	88	0.15	5	5	65	5	70
87SJB2115		3.15	0.1	2.5	130	1	1	7.82	0.25	19	133	47	3.90	5	0.5	0.57	20	2.18	707	0.5	0.15	43	7790	1	2.5	5	87	0.14	5	5	65	2.5	71
87SJB2116		2.97	0.1	2.5	120	1	1	8.28	0.25	19	105	41	3.52	5	0.5	0.61	10	2.16	668	0.5	0.11	40	6280	12	2.5	5	89	0.14	5	5	63	2.5	72

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB2117		3.42	0.1	2.5	150	1	1	7.10	0.5	21	107	50	4.13	5	0.5	0.66	30	2.07	695	0.5	0.13	47	9600	16	2.5	5	85	0.15	5	5	68	20	86
87SJB2118		3.32	0.1	5	150	1	1	8.31	0.25	22	103	50	3.81	5	0.5	0.67	10	2.22	689	0.5	0.12	41	9540	1	2.5	5	91	0.13	5	5	66	30	81
87SJB2201		3.69	0.1	2.5	180	2	1	5.20	0.25	16	82	66	4.58	5	0.5	0.79	10	1.90	562	0.5	0.12	44	5030	12	2.5	5	61	0.16	5	5	76	2.5	97
87SJB2202		3.63	0.1	10	180	3	1	5.16	0.25	20	87	66	5.00	5	0.5	0.88	10	2.12	580	0.5	0.13	49	4760	12	2.5	5	67	0.16	5	5	77	2.5	106
87SJB2202	2	2.18	0.1	5	140	0.25	2	8.71	0.25	16	62	34	3.51	5	2	0.51	5	2.36	497	0.5	0.04	32	530	10	5	7	79	0.13	5	5	47	2.5	71
87SJB2203		3.59	0.1	2.5	190	1.5	1	7.05	0.25	19	83	74	4.32	5	0.5	0.87	5	2.23	725	0.5	0.14	47	6060	14	2.5	5	84	0.16	5	5	74	2.5	100
87SJB2211		3.66	0.1	2.5	180	1	1	7.21	0.5	23	111	64	4.03	10	0.5	0.78	30	2.18	723	0.5	0.16	47	10000	8	2.5	5	89	0.09	5	5	70	25	88
87SJB2212		3.68	0.1	5	170	1	1	7.53	0.25	21	109	54	4.04	5	0.5	0.80	20	2.20	712	0.5	0.15	46	9570	2	2.5	5	92	0.15	5	5	71	25	87
87SJB2213		2.86	0.1	2.5	140	0.5	1	7.51	0.5	20	93	47	3.64	5	0.5	0.59	20	2.08	659	0.5	0.10	39	6100	18	2.5	5	88	0.15	5	5	58	10	81
87SJB2214		2.80	0.1	2.5	140	0.5	1	6.42	0.25	19	86	50	3.52	5	0.5	0.57	30	2.01	595	0.5	0.11	38	7090	8	2.5	5	84	0.13	5	5	55	2.5	78
87SJB2215		2.90	0.1	2.5	150	0.5	1	6.78	0.5	19	93	59	3.56	5	0.5	0.59	30	2.02	612	0.5	0.11	45	6580	6	2.5	5	94	0.13	5	5	56	2.5	88
87SJB2301		4.21	0.1	2.5	190	2	1	3.84	0.25	18	93	83	5.05	5	0.5	0.90	20	1.98	599	0.5	0.21	50	7500	18	2.5	5	52	0.13	5	5	84	2.5	111
87SJB2302		3.68	0.1	10	200	3	1	5.05	0.25	19	87	77	5.22	5	0.5	0.86	10	2.03	797	0.5	0.15	49	5540	16	2.5	5	63	0.16	5	5	81	5	108
87SJB2303		3.97	0.1	10	170	3	1	3.73	0.25	21	95	84	4.92	5	0.5	0.97	20	2.19	583	0.5	0.16	54	5480	12	2.5	5	58	0.15	5	5	80	2.5	117
87SJB2303	2	2.08	0.1	2.5	120	0.25	2	9.65	0.25	16	60	30	2.85	5	0.5	0.48	5	2.60	547	0.5	0.04	33	480	1	5	7	91	0.13	5	5	47	10	63
87SJB2304		3.51	0.1	10	190	3.5	1	5.29	0.25	20	87	60	4.52	5	0.5	0.84	20	2.12	646	0.5	0.11	51	3500	24	5	5	75	0.16	5	5	74	2.5	108
87SJB2305		3.19	0.1	2.5	170	0.25	1	6.18	0.25	19	81	59	4.20	5	0.5	0.76	10	2.09	659	0.5	0.12	46	5150	14	2.5	5	80	0.15	10	5	68	2.5	99
87SJB2306	2	3.10	0.1	2.5	190	0.25	2	6.84	0.25	19	92	37	4.00	10	0.5	0.72	5	2.34	668	0.5	0.07	46	440	6	2.5	10	97	0.16	5	5	64	15	87
87SJB2306		3.11	0.1	5	180	2.5	1	5.74	0.25	18	82	65	4.08	5	0.5	0.72	10	2.15	615	0.5	0.11	46	3180	8	5	5	73	0.17	5	5	67	2.5	95
87SJB2307		2.16	0.1	2.5	130	0.25	1	8.06	0.25	14	60	43	2.92	5	0.5	0.50	5	2.27	527	0.5	0.08	34	3320	8	2.5	5	81	0.14	10	5	51	2.5	68
87SJB2307	2	2.58	0.1	10	100	0.25	1	7.17	0.25	15	92	40	3.85	5	5	0.56	5	2.33	625	5	0.85	49	6320	14	2.5	8	73	0.18	5	5	60	10	98
87SJB2401		2.96	0.1	2.5	140	1	1	6.31	0.5	18	82	59	3.93	5	0.5	0.69	30	2.20	522	0.5	0.11	41	4260	10	2.5	5	75	0.14	5	5	62	2.5	87
87SJB2402		3.32	0.1	2.5	170	2.5	1	4.68	0.25	20	85	65	4.45	5	0.5	0.81	20	2.11	578	0.5	0.12	48	3620	16	2.5	5	63	0.15	5	5	70	2.5	104
87SJB2501		3.46	0.1	5	190	1.5	1	6.24	0.25	18	87	64	4.60	5	0.5	0.79	5	2.10	690	0.5	0.12	49	4530	14	2.5	5	68	0.16	10	5	76	2.5	105
87SJB2502		1.26	0.1	5	90	0.25	1	10.10	0.25	15	47	48	2.28	5	0.5	0.27	5	2.78	423	0.5	0.05	31	1530	4	2.5	5	70	0.12	5	5	40	2.5	53
87SJB2502	2	2.63	0.1	15	150	0.25	1	6.07	0.25	24	124	88	4.76	5	5	0.52	5	2.25	670	5	2.41	74	10000	16	2.5	8	55	0.15	5	5	69	30	116
87SJB2504		3.42	0.1	2.5	300	0.5	1	7.22	0.5	30	156	69	4.81	5	0.5	1.15	30	3.00	760	0.5	0.15	77	6150	4	2.5	5	77	0.12	5	5	90	2.5	115
87SJB2505		3.73	0.1	2.5	300	0.5	1	7.17	0.5	37	178	80	5.16	5	0.5	1.35	40	3.02	856	0.5	0.20	88	6120	2	2.5	5	94	0.14	5	5	102	2.5	129
87SJB2506		2.52	0.1	2.5	190	0.5	1	7.56	0.25	20	101	50	3.39	5	0.5	0.70	20	2.74	654	0.5	0.10	50	3210	2	2.5	5	93	0.15	5	5	64	2.5	83
87SJB2507		3.45	0.1	2.5	210	0.5	1	6.57	0.5	29	140	71	4.61	5	0.5	0.90	40	2.56	831	0.5	0.13	72	5760	6	2.5	5	107	0.20	5	5	79	2.5	107
87SJB2508		3.83	0.1	2.5	250	0.5	1	6.11	0.5	36	153	77	5.18	5	0.5	1.07	40	2.79	888	0.5	0.15	78	6190	6	2.5	5	110	0.22	5	5	90	2.5	124
87SJB2509		3.72	0.1	2.5	220	0.5	1	7.98	0.5	29	156	80	4.79	5	0.5	0.97	20	2.71	853	0.5	0.11	79	5440	1	2.5	5	117	0.23	5	5	81	2.5	113
87SJB2510		3.87	0.1	2.5	240	1	1	6.75	0.5	28	145	75	4.84	5	0.5	0.95	40	2.52	808	0.5	0.12	67	5520	1	2.5	5	115	0.22	5	5	79	2.5	110
87SJB2511		3.90	0.1	2.5	220	0.5	1	7.38	0.5	29	151	76	4.77	5	0.5	1.00	30	2.56	827	0.5	0.12	72	5290	1	2.5	5	113	0.20	5	5	81	2.5	136
87SJB2512		3.49	0.1	10	230	0.5	1	7.86	0.25	25	118	68	4.11	5	0.5	0.87	20	2.44	729	0.5	0.19	54	10000	1	2.5	5	105	0.08	5	5	70	2.5	97
87SJB2513		3.92	0.1	2.5	230	0.5	1	4.26	0.5	44	148	244	6.79	10	0.5	0.56	120	2.61	567	0.5	0.18	87	8980	1	2.5	5	100	0.16	5	5	125	2.5	117
87SJB2601		3.44	0.1	2.5	190	1	1	5.87	0.25	18	96	53	4.30	5	0.5	0.73	30	2.08	475	0.5	0.11	43	4140	2	2.5	5	76	0.18	5	5	69	2.5	96
87SJB2602		3.57	0.1	2.5	130	1	1	7.54	0.5	23	101	48	4.36	5	0.5	0.85	20	2.40	702	0.5	0.12	49	6270	10	2.5	5	105	0.17	5	5	69	2.5	96

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
87SJB2603		3.83	0.1	15	170	1	1	6.62	0.25	24	106	52	4.64	5	0.5	0.97	30	2.43	687	0.5	0.13	54	6830	4	2.5	5	127	0.18	5	5	73	2.5	101
87SJB2604		3.74	0.1	2.5	160	1	1	6.79	0.5	25	109	52	4.58	5	0.5	0.96	30	2.38	692	0.5	0.13	49	6910	6	2.5	5	136	0.17	5	5	70	2.5	100
87SJB2605		3.84	0.1	10	170	1.5	1	7.06	0.5	25	109	53	4.73	5	0.5	0.97	30	2.49	709	0.5	0.13	58	5980	2	2.5	5	137	0.18	5	5	74	2.5	104
87SJB2606		3.45	0.1	2.5	170	1	1	7.84	1	24	105	51	4.42	5	0.5	0.87	20	2.46	695	0.5	0.14	50	7540	1	2.5	5	139	0.16	5	5	67	2.5	95
87SJB2607		3.59	0.1	5	170	1	1	6.30	0.25	24	102	52	4.58	5	0.5	0.88	40	2.30	692	0.5	0.13	49	6490	12	2.5	5	108	0.17	5	5	70	2.5	100
87SJB2608		3.54	0.1	5	200	1	1	6.69	0.25	28	140	63	4.64	5	0.5	0.76	30	2.22	787	0.5	0.13	72	6680	8	2.5	5	110	0.17	5	5	77	2.5	102
87SJB2609		3.60	0.1	2.5	220	1.5	1	6.98	0.25	23	123	66	4.33	5	0.5	0.77	5	2.17	738	0.5	0.11	67	5320	8	2.5	5	104	0.17	10	5	79	2.5	105
87SJB2610		2.49	0.1	2.5	180	0.5	1	7.18	0.5	19	92	38	3.06	5	0.5	0.54	20	2.24	572	0.5	0.08	46	3490	1	2.5	5	92	0.14	5	5	56	2.5	71
87SJB2611		4.01	0.1	2.5	240	1	1	6.30	0.5	27	126	55	4.48	5	1	0.80	40	2.20	766	0.5	0.12	63	5640	8	2.5	5	105	0.17	5	5	74	2.5	105
87SJB2612		3.57	0.1	2.5	260	0.5	1	8.07	0.5	34	177	72	4.72	5	0.5	1.02	20	2.44	717	0.5	0.18	79	6750	16	5	5	112	0.11	5	5	90	2.5	103
87SJB2613		3.14	0.2	2.5	200	1	2	10.35	0.25	18	114	51	3.59	10	0.5	0.80	5	2.11	694	0.5	0.13	54	7650	2	2.5	5	107	0.11	5	5	61	2.5	73
87SJB2614		2.86	0.2	10	190	1.5	1	8.46	0.25	18	111	49	3.51	10	0.5	0.70	5	1.88	650	0.5	0.15	51	7800	1	2.5	5	98	0.10	5	5	59	2.5	72
87SJB2615		2.71	0.2	10	190	1	1	9.24	0.25	18	114	47	3.46	10	0.5	0.68	5	1.94	637	0.5	0.16	52	8050	2	2.5	5	103	0.11	5	5	58	2.5	69
88SJB2702		2.64	0.1	30	230	0.5	4	14.75	0.25	26	274	379	4.69	5	1	0.87	5	2.79	693	50	0.62	182	3470	12	2.5	10	169	0.20	5	5	77	20	101
88SJB2703		3.25	0.1	10	150	1.5	2	9.93	0.25	24	122	41	4.42	5	0.5	0.72	5	2.59	693	0.5	0.68	64	4850	8	2.5	11	97	0.19	5	5	77	5	108
88SJB2704		3.54	0.1	2.5	160	1	4	10.81	0.25	25	130	51	4.75	5	1	0.77	5	2.66	730	0.5	0.61	69	3700	14	2.5	13	104	0.21	5	5	84	15	115
88SJB2705		3.59	0.1	10	180	1.5	4	9.73	0.25	26	138	56	4.86	5	3	0.78	5	2.70	716	2	1.02	73	7770	12	2.5	12	98	0.19	5	5	86	15	120
88SJB2706		3.58	0.1	10	180	1	6	11.86	0.25	25	140	49	4.89	5	0.5	0.78	5	2.77	798	1	0.45	74	2470	10	2.5	13	115	0.21	5	5	85	15	116
88SJB2707		3.50	0.1	15	160	1	2	10.86	0.25	25	128	45	4.67	5	0.5	0.77	5	2.62	731	0.5	0.61	68	4440	10	5	12	106	0.19	5	5	80	10	113
88SJB2708		3.65	0.1	5	170	0.5	4	9.58	0.25	26	168	87	4.86	5	0.5	0.80	5	2.87	659	7	1.04	84	6810	10	2.5	12	93	0.16	5	5	85	10	123
88SJB2709		3.80	0.1	5	170	0.5	4	10.33	0.25	32	141	51	5.12	5	0.5	0.81	5	2.75	772	0.5	0.66	75	4220	14	2.5	14	104	0.21	5	5	88	10	126
88SJB2710		3.78	0.1	2.5	170	1	1	9.27	0.25	50	146	49	5.10	5	0.5	0.83	5	2.85	670	0.5	1.05	81	5720	8	2.5	12	89	0.19	5	5	90	15	132
88SJB2711		3.85	0.1	5	180	1	2	12.22	0.25	28	160	46	5.16	5	0.5	0.84	5	2.98	739	1	0.98	71	5190	12	5	13	109	0.20	5	5	89	20	125
88SJB2712		3.72	0.1	5	170	0.25	1	11.93	0.25	29	163	48	5.13	5	0.5	0.81	5	2.87	734	2	0.91	72	4870	6	2.5	13	105	0.21	5	5	87	25	122
88SJB2713		3.68	0.1	2.5	220	0.25	1	9.52	0.25	31	169	56	4.91	5	5	0.97	5	2.90	615	2	1.11	81	6660	12	2.5	13	90	0.19	5	5	103	15	128
88SJB2714		3.46	0.1	2.5	170	0.25	1	9.14	0.25	26	141	42	4.80	5	0.5	0.77	5	2.80	598	0.5	0.88	73	4790	10	2.5	11	87	0.22	5	5	85	20	119
88SJB2715		3.78	0.1	5	190	0.5	1	11.34	0.25	29	152	48	5.26	5	3	0.82	5	2.94	787	1	0.76	73	4440	16	2.5	14	112	0.23	5	5	92	20	125
88SJB2716		3.17	0.1	15	150	0.25	2	9.79	0.25	25	142	41	4.60	5	1	0.67	5	2.61	673	0.5	0.71	68	3550	10	2.5	11	89	0.20	5	5	77	15	112
88SJB2717		3.27	0.1	10	150	0.25	1	5.74	0.25	26	128	40	4.67	5	0.5	0.66	5	2.34	604	0.5	0.73	73	3560	10	2.5	11	63	0.20	5	5	80	20	121
88SJB2718		3.31	0.1	2.5	160	0.25	1	7.94	0.5	19	133	43	4.36	5	0.5	0.63	5	2.39	691	1	0.32	57	1840	8	2.5	10	85	0.20	5	5	79	5	104
88SJB2719		3.23	0.1	2.5	160	1	1	8.09	0.25	19	124	44	4.50	5	0.5	0.60	5	2.43	676	1	0.36	59	1780	12	2.5	9	85	0.19	5	5	78	2.5	110
88SJB2720		2.88	0.1	5	150	1	1	7.50	0.25	18	115	40	4.00	5	0.5	0.54	5	2.26	648	1	0.23	54	1330	10	5	9	80	0.18	5	5	71	5	99
88SJB2801		3.79	0.1	2.5	140	1	2	4.17	0.25	22	117	58	5.25	10	1	0.77	20	2.06	680	0.5	0.80	61	2880	20	2.5	11	52	0.20	5	5	77	20	132
88SJB2803		3.31	0.1	5	110	1	1	3.95	0.25	22	120	50	4.83	10	1	0.76	20	2.34	630	0.5	0.79	66	5480	10	2.5	10	57	0.19	5	5	75	10	126
88SJB2804		3.36	0.1	2.5	120	1	1	3.81	0.25	22	117	41	4.86	10	2	0.79	30	2.33	640	0.5	0.55	57	2800	16	2.5	10	60	0.21	5	5	76	10	124
88SJB2805		3.47	0.1	10	130	1.5	1	4.51	0.25	23	118	41	4.86	10	1	0.80	20	2.33	665	0.5	0.54	56	2350	12	2.5	10	66	0.21	5	5	77	10	124
88SJB2812		1.97	0.1	10	100	0.25	1	15.00	0.25	17	80	22	2.88	5	0.5	0.52	5	2.44	543	1	0.17	43	2440	12	2.5	7	155	0.11	5	5	50	10	59
88SJB2813		2.18	0.1	5	100	0.5	1	15.00	0.25	17	84	23	3.13	5	0.5	0.58	5	2.40	560	0.5	0.15	41	2360	12	2.5	8	153	0.11	5	5	52	15	66

Geochemical Results Clay-size fraction (<0.002 mm)

Sample Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB2816	2.76	0.1	2.5	140	0.5	1	12.10	0.25	22	110	33	3.81	5	0.5	0.73	5	2.30	666	1	0.21	57	2010	10	2.5	10	120	0.14	5	5	65	25	91
88SJB2817	2.83	0.1	10	110	0.5	1	9.56	0.25	20	98	31	3.57	5	0.5	0.66	5	2.17	615	0.5	0.16	52	1560	8	2.5	10	108	0.13	5	5	58	15	89
88SJB2818	3.16	0.1	10	130	0.25	1	10.06	0.25	22	106	33	3.82	5	0.5	0.74	5	2.33	647	0.5	0.19	58	1530	8	2.5	11	109	0.15	5	5	63	10	96
88SJB2819	4.21	0.1	15	160	0.25	2	10.06	0.25	28	109	39	3.78	5	1	0.69	5	2.34	628	2	0.26	62	1510	6	2.5	10	123	0.14	5	5	58	10	92
88SJB2820	2.77	0.1	2.5	120	0.25	4	11.88	0.25	25	109	34	3.38	5	1	0.61	5	2.45	604	1	0.20	58	1640	10	2.5	9	121	0.14	5	5	58	15	84
88SJB2821	3.14	0.1	2.5	120	1	1	7.87	0.5	21	107	37	3.70	5	1	0.68	5	2.07	565	0.5	0.66	51	3530	12	2.5	9	78	0.14	5	5	58	10	104
88SJB2822	3.06	0.1	2.5	130	1	1	7.24	0.25	21	103	35	3.73	10	0.5	0.68	5	2.04	600	0.5	0.50	48	2440	10	2.5	9	80	0.15	5	5	59	10	102
88SJB2823	3.33	0.1	2.5	150	0.5	4	8.97	0.25	22	107	37	4.11	5	0.5	0.69	5	2.29	630	0.5	0.24	57	1780	8	2.5	11	99	0.15	5	5	65	10	99
88SJB2824	3.24	0.1	2.5	120	1	1	7.28	0.25	21	105	36	3.81	10	0.5	0.71	5	2.06	610	0.5	0.47	51	2230	10	5	9	85	0.14	5	5	62	10	104
88SJB2825	2.95	0.1	2.5	110	1	1	6.30	0.5	20	109	36	3.73	10	2	0.66	5	2.06	535	0.5	0.68	53	4160	16	2.5	8	68	0.15	5	5	61	10	106
88SJB2826	2.99	0.1	2.5	120	1	2	7.14	0.25	20	102	36	3.75	10	2	0.68	5	2.08	615	0.5	0.48	51	2290	10	2.5	9	83	0.15	5	5	61	10	104
88SJB2827	2.94	0.1	2.5	130	1	2	6.99	0.25	20	104	35	3.75	10	3	0.70	5	2.16	605	0.5	0.50	49	2500	16	2.5	9	85	0.16	5	5	60	10	100
88SJB2828	2.88	0.1	2.5	120	1	1	7.53	0.25	19	111	36	3.90	10	0.5	0.71	5	2.27	700	0.5	0.56	56	2930	16	2.5	9	81	0.18	5	5	63	10	102
88SJB2829	2.84	0.1	2.5	130	1	1	7.46	0.25	18	106	36	3.76	10	0.5	0.69	5	2.22	685	0.5	0.47	53	2280	18	2.5	9	81	0.17	5	5	62	10	98
88SJB2830	2.46	0.1	10	140	1	1	9.90	0.25	16	102	31	3.33	5	0.5	0.63	5	2.30	595	0.5	0.56	48	2900	12	2.5	8	88	0.15	5	5	58	10	84
88SJB2833	2.47	0.1	5	230	0.5	1	11.03	0.25	28	126	50	4.26	5	0.5	0.79	5	2.47	878	0.5	0.36	107	1920	8	2.5	11	100	0.21	5	5	75	10	90
88SJB2835	3.04	0.1	2.5	250	0.25	4	14.90	0.25	25	169	39	4.68	5	0.5	1.07	5	2.78	821	0.5	0.19	80	2340	8	2.5	15	124	0.24	5	5	90	15	103
88SJB2836	10.72	0.1	2.5	290	0.25	1	11.71	0.25	20	92	32	2.84	5	0.5	0.63	5	2.20	456	2	0.75	79	1250	6	2.5	6	181	0.06	5	5	28	10	54
88SJB2904	3.11	0.1	10	150	0.5	1	6.01	0.25	19	109	33	4.29	5	0.5	0.67	5	2.32	653	0.5	0.21	51	1130	2	2.5	9	80	0.19	5	5	75	2.5	102
88SJB2905	3.36	0.1	2.5	140	0.5	1	6.05	0.25	61	115	34	4.63	5	0.5	0.73	5	2.52	741	0.5	0.29	59	1400	12	2.5	10	86	0.21	5	5	82	5	111
88SJB2906	2.93	0.1	15	140	0.5	1	5.96	0.25	18	107	33	4.36	5	0.5	0.61	5	2.36	674	0.5	0.26	56	1280	10	5	9	81	0.19	5	5	74	2.5	105
88SJB2907	2.72	0.1	2.5	120	0.25	1	6.50	0.25	18	101	30	4.09	5	4	0.58	5	2.34	658	0.5	0.23	55	1070	12	5	8	84	0.19	5	5	69	2.5	97
88SJB2908	2.74	0.1	15	140	0.25	4	11.86	0.25	19	106	33	3.80	5	0.5	0.67	5	2.72	648	0.5	0.20	51	2070	1	2.5	10	124	0.17	5	5	63	15	87
88SJB3001	5.01	0.1	2.5	190	0.25	6	4.29	0.25	30	128	60	6.09	5	1	0.82	20	2.33	686	0.5	0.25	79	2600	8	2.5	15	59	0.21	5	5	94	10	133
88SJB3004	3.51	0.1	2.5	140	1.5	1	5.01	0.25	21	113	45	4.75	10	1	0.89	10	2.42	610	0.5	0.61	57	2890	26	2.5	10	67	0.22	5	5	78	20	118
88SJB3005	3.94	0.1	5	150	1.5	1	1.91	0.25	23	116	42	5.27	20	0.5	1.03	60	2.41	625	0.5	0.79	65	4810	20	2.5	12	60	0.25	5	5	88	20	134
88SJB3006	3.35	0.1	5	130	1.5	1	4.82	0.25	19	110	36	4.58	10	0.5	0.89	10	2.36	605	0.5	0.55	56	2670	16	2.5	10	73	0.21	5	5	73	10	114
88SJB3007	3.24	0.1	10	110	1	1	5.67	0.25	18	108	33	4.27	10	1	0.93	5	2.43	545	0.5	0.70	53	4370	20	2.5	9	73	0.19	5	5	70	10	106
88SJB3008	3.42	0.1	2.5	120	1	2	4.17	0.25	20	118	39	4.82	10	0.5	0.80	20	2.39	625	0.5	0.67	59	4140	16	2.5	10	60	0.22	5	5	78	20	118
88SJB3009	3.29	0.1	15	130	0.5	1	9.83	0.25	21	119	33	4.50	5	5	0.78	5	2.71	725	0.5	0.62	60	3230	10	2.5	11	95	0.21	5	5	73	5	105
88SJB3010	2.86	0.1	2.5	150	0.25	1	12.82	0.25	20	115	32	4.04	5	0.5	0.71	5	3.31	693	0.5	0.62	49	3770	10	2.5	10	105	0.18	5	5	64	10	91
88SJB3011	3.46	0.1	2.5	150	0.25	2	8.87	0.25	22	124	38	4.76	5	2	0.80	5	2.64	709	0.5	0.65	60	3260	18	2.5	11	86	0.19	5	5	75	10	110
88SJB3012	3.31	0.1	2.5	250	0.25	1	9.46	0.25	29	194	44	5.00	5	0.5	0.99	5	2.90	757	0.5	0.77	80	3580	10	5	14	83	0.22	5	5	91	10	108
88SJB3101	5.18	0.1	2.5	120	0.25	1	1.94	0.25	27	130	44	6.10	5	0.5	0.66	40	2.31	891	0.5	1.15	74	3860	8	2.5	15	38	0.22	5	5	91	2.5	136
88SJB3102	3.43	0.1	15	120	0.25	2	8.44	0.25	20	101	60	5.00	5	2	0.68	5	2.26	720	1	0.80	55	3350	16	2.5	11	77	0.18	5	5	71	5	127
88SJB3103	3.59	0.1	10	120	0.5	1	10.74	0.25	26	108	61	5.21	5	0.5	0.77	5	2.54	704	0.5	0.80	59	3550	28	2.5	11	90	0.18	5	5	78	10	128
88SJB3104	3.48	0.1	2.5	120	1.5	4	5.14	0.25	21	115	44	4.76	10	1	0.81	10	2.30	635	0.5	0.67	61	3660	22	2.5	10	62	0.20	5	5	77	20	120
88SJB3105	3.51	0.1	2.5	110	1	1	3.70	0.25	22	118	40	4.84	10	0.5	0.85	20	2.39	585	0.5	0.75	60	4730	16	2.5	10	56	0.20	5	5	78	20	122

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB3106		3.33	0.1	5	110	0.5	1	3.93	0.25	21	115	38	4.79	10	0.5	0.77	20	2.37	575	0.5	0.81	59	5650	14	2.5	10	54	0.22	5	5	76	20	118
88SJB3107		3.61	0.1	20	110	1	1	4.31	0.25	22	122	45	5.01	10	1	0.88	10	2.40	595	0.5	1.09	61	8160	14	2.5	10	57	0.20	5	5	80	20	128
88SJB3108		3.70	0.1	2.5	120	1	1	2.40	0.25	22	123	38	5.22	20	1	0.92	30	2.49	610	0.5	1.03	63	8090	18	5	11	49	0.22	5	5	83	10	130
88SJB3109		3.08	0.1	5	110	1	1	4.27	0.25	20	108	40	4.56	10	1	0.70	10	2.22	605	0.5	0.90	57	6750	18	2.5	9	58	0.19	5	5	71	10	116
88SJB3201		3.88	0.1	5	210	1	2	4.29	0.25	23	123	55	5.16	10	0.5	0.81	20	2.21	760	0.5	0.16	62	1340	16	2.5	11	65	0.22	5	5	81	20	128
88SJB3202		3.35	0.1	5	180	1	1	5.99	0.25	20	109	37	4.33	10	0.5	0.83	5	2.36	670	0.5	0.26	55	1030	22	2.5	10	92	0.24	5	5	73	20	110
88SJB3203		3.46	0.1	2.5	180	1	1	5.80	0.25	21	117	40	4.72	10	2	0.83	10	2.53	725	0.5	0.21	57	1070	18	2.5	11	95	0.25	5	5	78	20	116
88SJB3206		3.55	0.1	10	160	1	1	5.85	0.25	19	125	45	4.85	10	1	0.83	10	2.49	715	0.5	0.18	58	1320	8	2.5	11	73	0.23	5	5	82	20	118
88SJB3208		3.67	0.1	2.5	170	1.5	2	6.24	0.25	22	122	47	4.68	10	0.5	0.83	5	2.41	685	0.5	0.21	57	1540	14	2.5	11	68	0.21	5	5	82	20	110
88SJB3301		3.83	0.1	2.5	130	0.5	1	6.71	0.25	20	120	37	4.83	5	0.5	0.91	5	2.47	599	0.5	0.76	60	2880	12	2.5	11	74	0.22	5	5	78	5	113
88SJB3302		3.70	0.1	10	200	1	1	6.67	0.25	21	120	48	4.76	10	3	0.94	5	2.52	600	0.5	0.16	56	1370	12	5	11	109	0.23	5	5	77	20	118
88SJB3303		3.16	0.1	2.5	120	1	2	7.14	0.25	19	108	38	4.18	10	0.5	0.84	5	2.45	625	0.5	0.32	50	1670	14	2.5	10	114	0.23	5	5	70	10	102
88SJB3304		2.94	0.1	5	110	1	1	6.49	0.25	20	104	34	4.08	10	0.5	0.77	5	2.43	585	0.5	0.46	49	2710	10	2.5	9	97	0.22	5	5	67	20	102
88SJB3305		3.03	0.1	2.5	140	1	1	6.43	0.25	19	102	37	4.10	10	0.5	0.78	5	2.37	600	0.5	0.17	49	1190	16	2.5	9	147	0.22	5	5	67	20	102
88SJB3401		3.59	0.1	10	120	0.5	1	9.69	0.25	21	105	49	4.58	5	0.5	0.74	5	2.69	716	0.5	0.73	57	2430	24	5	11	85	0.20	5	5	71	10	123
88SJB3402		3.31	0.1	10	120	0.5	4	9.51	0.25	23	114	34	4.40	5	1	0.83	5	2.74	614	0.5	0.61	59	2330	8	2.5	10	91	0.20	5	5	70	10	112
88SJB3404		2.93	0.1	2.5	110	1	2	10.20	0.25	19	95	38	3.54	5	0.5	0.71	5	2.40	535	0.5	0.16	44	1660	8	2.5	8	103	0.18	5	5	61	10	90
88SJB3405		2.92	0.1	2.5	120	1	1	11.01	0.25	18	98	36	3.74	5	0.5	0.77	5	2.52	600	0.5	0.39	45	1950	10	2.5	9	116	0.19	5	5	62	20	92
88SJB3409		3.05	0.1	2.5	120	1	2	9.20	0.25	19	102	36	3.94	5	0.5	0.81	5	2.40	605	0.5	0.39	46	1780	14	2.5	9	96	0.20	5	5	66	20	96
88SJB3410		3.35	0.1	2.5	130	1	1	8.92	0.25	20	115	45	4.39	10	2	0.89	5	2.47	680	0.5	0.46	55	2660	10	2.5	10	110	0.19	5	5	70	20	110
88SJB3411		2.93	0.1	20	110	1.5	4	10.79	0.25	25	109	31	3.96	5	0.5	0.77	5	2.54	610	1	0.59	51	3190	12	2.5	9	110	0.16	5	5	63	15	92
88SJB3412		2.98	0.1	5	110	0.5	2	10.71	0.25	20	109	31	4.08	5	0.5	0.78	5	2.54	640	0.5	0.48	51	2390	6	2.5	10	114	0.17	5	5	66	15	95
88SJB3415		3.08	0.1	15	120	1	4	9.20	0.25	22	117	34	4.25	5	2	0.80	5	2.47	647	1	0.53	57	2740	2	5	10	102	0.18	5	5	70	5	98
88SJB3416		2.67	0.1	15	100	0.25	2	10.52	0.25	19	106	31	3.72	5	0.5	0.68	5	2.40	587	1	0.52	49	2850	4	2.5	9	104	0.15	5	5	58	5	86
88SJB3417		2.98	0.1	25	110	0.5	4	9.89	0.25	21	121	34	4.26	5	3	0.73	5	2.47	675	1	0.47	54	2290	10	2.5	10	106	0.18	5	5	68	10	96
88SJB3417		3.97	0.1	2.5	190	1	1	4.36	0.25	24	130	46	5.33	10	0.5	1.00	30	2.55	755	0.5	0.44	61	1970	24	2.5	12	86	0.24	5	5	85	20	134
88SJB3418		2.91	0.1	25	110	0.25	2	9.47	0.25	22	117	33	4.18	5	0.5	0.72	5	2.48	625	1	0.54	55	2760	4	2.5	10	95	0.17	5	5	65	10	95
88SJB3420		3.69	0.1	2.5	170	1	2	5.20	0.25	23	120	49	5.03	10	1	0.85	10	2.38	735	0.5	0.38	60	1550	16	2.5	11	79	0.22	5	5	81	20	128
88SJB3423		2.55	0.1	10	110	0.25	2	9.33	0.25	20	99	33	3.72	5	0.5	0.59	5	2.45	588	0.5	0.44	49	1880	6	2.5	9	90	0.17	5	5	64	10	83
88SJB3426		2.60	0.1	5	110	0.5	4	9.63	0.25	20	95	29	3.80	5	0.5	0.68	5	2.47	661	0.5	0.39	50	1840	2	2.5	9	87	0.17	5	5	61	5	91
88SJB3514		3.59	0.1	2.5	370	0.25	4	6.15	0.25	33	279	57	5.84	5	2	1.81	5	2.98	728	3	0.37	140	1860	12	2.5	17	67	0.32	5	5	112	25	123
88SJB3515		2.97	0.1	2.5	320	0.25	1	8.05	0.25	63	198	51	4.22	5	0.5	1.40	5	2.69	668	1	0.43	56	1530	12	2.5	11	94	0.27	5	5	80	20	98
88SJB3601		5.08	0.1	15	200	1.5	1	2.35	0.25	23	130	49	5.64	20	2	0.78	40	2.20	640	0.5	0.79	67	2730	16	2.5	13	49	0.24	5	5	87	20	132
88SJB3602		2.99	0.1	5	110	0.25	4	8.47	0.25	21	96	37	4.00	5	0.5	0.66	5	2.00	659	0.5	0.52	53	1740	2	2.5	9	77	0.14	5	5	60	15	103
88SJB3603		3.45	0.1	5	150	0.25	1	7.00	0.25	21	109	35	4.49	5	0.5	0.88	5	2.45	597	0.5	0.49	55	1900	10	2.5	11	78	0.20	5	5	71	10	110
88SJB3604		2.72	0.1	10	120	1	1	9.22	0.25	18	108	39	3.66	5	0.5	0.63	5	2.05	535	0.5	0.43	44	1860	18	2.5	8	83	0.16	5	5	58	20	90
88SJB3606		2.38	0.1	2.5	120	0.25	2	11.76	0.25	15	121	34	3.24	5	0.5	0.53	5	2.57	563	2	0.36	43	1820	2	5	8	98	0.15	5	5	52	10	69
88SJB3607		2.69	0.1	2.5	130	0.25	1	10.51	0.25	14	122	30	3.61	5	0.5	0.63	5	2.40	621	1	0.41	46	1860	6	2.5	9	97	0.17	5	5	59	10	83

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB3608		3.00	0.1	2.5	120	0.5	2	8.77	0.25	21	162	42	4.02	5	2	0.67	5	2.26	647	1	0.45	55	2070	12	2.5	9	92	0.16	5	5	61	5	88
88SJB3609		3.04	0.1	2.5	120	0.25	2	10.78	0.25	22	147	41	3.85	5	0.5	0.68	5	2.35	671	2	0.42	56	2260	8	2.5	9	111	0.15	5	5	59	15	86
88SJB3610		2.89	0.1	2.5	120	0.25	2	5.75	0.25	19	108	30	3.80	5	0.5	0.64	5	2.18	614	0.5	0.38	53	1760	12	2.5	9	82	0.18	5	5	63	5	96
88SJB3611		2.87	0.1	2.5	130	0.25	2	7.77	0.25	21	113	32	3.96	5	0.5	0.67	5	2.43	689	0.5	0.46	56	2400	2	5	10	97	0.19	5	5	66	10	97
88SJB3612		3.06	0.1	15	140	0.25	2	8.77	0.25	21	123	36	4.07	5	0.5	0.74	5	2.53	726	0.5	0.49	55	2440	14	2.5	10	105	0.20	5	5	70	10	98
88SJB3701		3.48	0.1	10	140	0.5	1	6.99	0.25	20	109	36	4.47	5	2	0.82	5	2.33	653	0.5	0.63	56	2160	10	2.5	11	74	0.20	5	5	72	10	115
88SJB3702		3.69	0.1	10	150	1	2	3.86	0.25	24	117	57	4.94	10	0.5	0.69	20	2.12	740	0.5	0.59	62	1770	20	2.5	11	51	0.22	5	5	76	20	128
88SJB3703		3.85	0.1	10	160	0.5	2	6.61	0.25	19	113	40	4.75	5	0.5	0.89	5	2.24	592	0.5	0.60	55	2380	16	2.5	11	70	0.20	5	5	77	10	115
88SJB3706		3.54	0.1	20	130	0.5	6	7.54	0.25	23	141	41	4.26	5	0.5	0.75	5	2.36	646	0.5	0.65	63	3400	10	2.5	11	79	0.17	5	5	72	5	104
88SJB3708		3.18	0.1	10	120	0.25	4	8.26	0.25	21	119	30	4.02	5	0.5	0.74	5	2.31	605	0.5	0.63	55	3120	8	2.5	10	84	0.17	5	5	67	5	100
88SJB3709		3.30	0.1	5	120	0.25	2	9.50	0.25	22	133	36	4.08	5	0.5	0.73	5	2.51	682	0.5	0.58	60	2730	10	2.5	10	95	0.17	5	5	67	15	96
88SJB3710		3.14	0.1	2.5	120	0.25	2	9.79	0.25	22	119	33	3.86	5	0.5	0.69	5	2.48	662	0.5	0.58	56	2920	10	5	10	97	0.16	5	5	62	10	91
88SJB3711		3.19	0.1	2.5	120	0.25	2	8.57	0.25	21	117	33	3.95	5	1	0.69	5	2.29	666	0.5	0.60	57	2980	12	5	10	93	0.16	5	5	65	5	99
88SJB3712		3.35	0.1	2.5	140	0.5	1	6.62	0.25	23	129	32	4.26	5	2	0.81	5	2.45	684	0.5	0.54	62	2360	6	5	11	89	0.19	5	5	74	10	105
88SJB3713		2.43	0.1	10	100	0.25	2	15.00	0.25	16	109	29	3.23	5	2	0.58	5	1.84	612	0.5	0.49	49	2750	2	5	8	162	0.14	5	5	52	10	75
88SJB3714		2.94	0.1	2.5	120	0.25	1	6.10	0.25	23	118	33	4.11	5	3	0.71	5	2.32	658	0.5	0.51	60	2290	14	2.5	10	85	0.20	5	5	68	5	101
88SJB3715		2.91	0.1	20	130	0.25	1	6.95	0.25	23	120	34	4.14	5	4	0.68	5	2.39	672	1	0.57	60	3150	8	2.5	10	93	0.19	5	5	68	15	103
88SJB3716		2.76	0.1	20	130	0.25	4	8.44	0.25	22	114	34	3.91	5	0.5	0.67	5	2.50	716	0.5	0.48	58	2460	8	5	10	101	0.20	5	5	67	5	96
88SJB3717		2.57	0.1	5	130	0.25	1	8.16	0.25	20	106	31	3.69	5	1	0.63	5	2.47	670	0.5	0.51	55	2790	12	5	9	95	0.17	5	5	62	10	93
88SJB3718		2.69	0.1	5	140	0.25	1	8.52	0.25	22	114	30	3.84	5	0.5	0.67	5	2.48	714	0.5	0.45	54	2260	12	5	10	98	0.19	5	5	67	10	95
88SJB3719	2	2.77	0.2	15	120	0.25	1	7.09	0.25	16	104	38	3.69	5	5	0.57	5	2.28	585	5	0.70	50	4960	6	2.5	8	94	0.18	5	5	61	10	102
88SJB3720	2	2.82	0.2	2.5	120	0.25	1	6.99	0.25	16	100	37	3.67	5	5	0.58	5	2.25	575	5	0.88	50	6810	6	2.5	8	94	0.18	5	5	62	20	100
88SJB3801		4.14	0.1	2.5	140	1	1	5.46	0.25	20	117	34	4.87	5	0.5	0.87	5	2.35	655	0.5	0.68	67	2290	16	5	11	66	0.21	5	5	78	5	119
88SJB3807		3.09	0.1	2.5	120	0.25	2	9.14	0.25	22	122	34	3.91	5	0.5	0.72	5	2.53	645	0.5	0.50	59	2190	18	2.5	10	102	0.17	5	5	67	15	92
88SJB3808		3.36	0.1	20	150	0.25	4	8.49	0.25	19	146	40	4.23	5	1	0.73	5	2.42	720	1	0.44	58	1780	10	5	11	95	0.17	5	5	70	10	94
88SJB3809		3.13	0.1	15	120	0.25	2	7.49	0.25	21	122	35	3.92	5	0.5	0.67	5	2.22	661	0.5	0.46	54	1950	12	2.5	10	82	0.16	5	5	65	10	94
88SJB3810		2.72	0.1	5	110	0.25	2	8.21	0.25	20	122	37	3.75	5	1	0.60	5	2.28	648	0.5	0.40	59	1950	12	2.5	9	79	0.17	5	5	62	10	90
88SJB3811		3.56	0.1	2.5	130	0.5	2	7.03	0.25	24	130	37	4.25	5	1	0.81	5	2.30	687	0.5	0.46	62	2240	10	2.5	11	103	0.17	5	5	72	5	104
88SJB3812		3.18	0.1	5	120	0.25	2	7.95	0.25	20	112	32	3.78	5	0.5	0.71	5	2.95	659	0.5	0.41	57	2330	14	5	10	102	0.14	5	5	63	2.5	94
88SJB3813		2.67	0.1	5	150	0.25	1	9.11	0.25	19	113	30	3.60	5	1	0.67	5	2.44	690	0.5	0.36	50	1780	8	2.5	9	112	0.18	5	5	63	5	87
88SJB3814		2.88	0.1	2.5	150	0.25	1	9.23	0.25	14	113	31	3.61	5	0.5	0.73	5	2.37	689	0.5	0.41	49	2080	12	2.5	10	114	0.18	5	5	64	5	84
88SJB3901		2.95	0.1	2.5	140	0.5	1	7.91	0.25	22	102	31	4.07	5	1	0.73	5	2.41	592	0.5	0.33	52	1450	10	2.5	9	103	0.18	5	5	70	2.5	100
88SJB3902		2.92	0.1	2.5	120	0.25	1	8.27	0.25	22	100	28	3.99	5	0.5	0.77	5	2.45	589	0.5	0.37	52	1710	8	2.5	8	110	0.18	5	5	70	2.5	96
88SJB3903		2.54	0.1	2.5	130	0.5	1	7.45	0.25	15	97	31	3.68	5	0.5	0.63	5	2.34	536	0.5	0.28	50	1380	10	2.5	7	105	0.17	5	5	64	2.5	93
88SJB3904		2.74	0.1	2.5	100	0.25	1	9.17	0.25	17	94	26	3.60	5	0.5	0.71	5	2.52	538	0.5	0.21	48	1600	4	5	8	136	0.17	5	5	63	5	85
88SJB3905		2.47	0.1	2.5	100	0.5	1	7.46	0.25	16	89	23	3.50	5	0.5	0.62	5	2.45	521	0.5	0.27	44	1180	8	2.5	7	101	0.18	5	5	62	2.5	86
88SJB3906		2.79	0.1	5	110	1	1	6.13	0.25	20	102	42	4.10	10	0.5	0.60	5	2.04	630	0.5	0.35	50	1620	14	5	9	96	0.19	5	5	65	20	102
88SJB3907		2.75	0.1	2.5	120	0.25	1	8.45	0.25	20	109	34	3.84	5	1	0.55	5	2.28	628	0.5	0.24	49	1310	4	5	8	118	0.17	5	5	66	5	89

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB3908		2.80	0.1	10	130	0.25	1	8.26	0.25	19	132	37	3.86	5	0.5	0.56	5	2.36	625	0.5	0.37	53	1730	6	5	8	108	0.18	5	5	69	2.5	90
88SJB3909		3.07	0.1	2.5	120	0.25	1	6.90	0.25	19	114	36	3.92	5	3	0.61	5	2.29	635	0.5	0.31	49	1680	8	5	9	121	0.17	5	5	70	2.5	93
88SJB3910		2.53	0.1	10	110	0.25	2	14.18	0.25	22	158	42	3.56	5	2	0.53	5	2.48	612	4	0.42	48	2630	8	5	7	142	0.13	5	5	59	2.5	73
88SJB3911		3.06	0.1	2.5	120	0.5	2	8.96	0.25	25	152	42	4.14	5	0.5	0.60	5	2.26	637	1	0.50	56	2330	10	5	9	100	0.15	5	5	71	2.5	90
88SJB3912		3.03	0.1	2.5	120	0.25	2	8.05	0.25	23	131	38	3.99	5	0.5	0.62	5	2.23	625	0.5	0.51	54	2200	10	2.5	9	89	0.16	5	5	71	2.5	92
88SJB3913		2.42	0.1	2.5	120	0.25	1	13.66	0.25	21	121	34	3.29	5	0.5	0.55	5	2.39	596	2	0.46	47	2530	10	5	7	122	0.14	5	5	57	2.5	70
88SJB3914		2.91	0.1	5	140	0.25	1	12.15	0.25	24	143	38	3.82	5	1	0.66	5	2.54	651	1	0.44	57	2140	4	10	8	115	0.17	5	5	69	2.5	84
88SJB3915		2.57	0.1	2.5	120	0.25	4	13.16	0.25	22	138	36	3.48	5	0.5	0.58	5	2.42	601	1	0.44	49	2260	2	5	7	117	0.14	5	5	60	2.5	73
88SJB3916		2.92	0.1	2.5	120	0.25	4	10.52	0.25	23	117	33	3.83	5	0.5	0.72	5	2.64	653	0.5	0.51	50	2610	8	2.5	9	104	0.17	5	5	67	2.5	91
88SJB3917		3.43	0.1	5	110	0.5	2	4.64	0.25	27	128	48	4.29	5	0.5	0.64	20	2.11	596	3	0.61	63	2810	20	5	11	64	0.17	5	5	80	2.5	110
88SJB3918		3.38	0.1	20	150	0.5	1	8.89	0.25	26	142	45	4.50	5	0.5	0.73	5	2.51	713	1	0.60	60	3080	12	5	10	96	0.19	5	5	81	2.5	105
88SJB3919		3.55	0.1	10	160	0.25	1	6.84	0.25	26	132	42	4.71	5	0.5	0.75	5	2.47	717	0.5	0.68	63	3530	16	5	10	82	0.20	5	5	86	2.5	116
88SJB3920		3.03	0.1	15	140	1	1	7.14	0.25	22	124	34	4.24	10	0.5	0.68	5	2.51	678	0.5	0.53	55	2490	10	2.5	9	78	0.20	5	5	82	10	105
88SJB3921		3.25	0.1	2.5	150	1	1	7.15	0.25	22	139	37	4.44	10	0.5	0.73	5	2.55	681	1	0.62	62	2910	12	2.5	10	79	0.20	5	5	85	5	106
88SJB3922		3.46	0.1	2.5	160	1	1	6.27	0.25	21	124	36	4.39	10	0.5	0.75	5	2.45	654	0.5	0.69	62	3430	12	2.5	10	102	0.18	5	5	86	10	109
88SJB3923		2.90	0.1	2.5	140	0.25	1	6.00	0.25	19	109	31	3.79	5	1	0.62	5	2.18	603	0.5	0.51	57	2400	18	2.5	9	98	0.17	5	5	74	5	94
88SJB3924		3.46	0.1	10	180	1	2	6.10	0.25	21	139	36	4.74	10	0.5	0.80	5	2.54	715	1	0.55	68	2310	18	2.5	11	80	0.23	5	5	94	10	118
88SJB4001		3.30	0.1	5	130	1	1	9.45	0.25	20	110	32	4.33	5	3	0.85	5	2.63	642	0.5	0.53	59	2180	14	5	9	112	0.19	5	5	78	10	106
88SJB4003		3.05	0.1	15	120	0.5	1	8.97	0.25	20	112	30	4.20	5	1	0.84	5	2.69	615	0.5	0.48	57	2290	16	5	9	134	0.19	5	5	75	10	99
88SJB4004		2.78	0.1	5	100	0.25	1	9.21	0.25	19	103	32	3.80	5	0.5	0.75	5	2.49	577	0.5	0.38	54	1890	10	2.5	8	126	0.17	5	5	68	5	90
88SJB4006		2.87	0.1	2.5	120	0.25	1	9.77	0.25	20	102	28	3.70	5	0.5	0.78	5	2.49	606	1	0.28	49	1830	10	5	9	155	0.17	5	5	70	10	87
88SJB4007		2.81	0.1	2.5	120	0.25	1	6.86	0.25	19	112	33	3.60	5	0.5	0.56	5	2.10	575	0.5	0.35	48	1490	10	2.5	8	90	0.16	5	5	66	2.5	85
88SJB4008		3.39	0.1	2.5	120	0.5	1	6.03	0.25	19	125	39	3.96	5	0.5	0.62	5	2.04	595	0.5	0.42	55	1880	16	2.5	9	96	0.15	5	5	71	2.5	93
88SJB4009		3.05	0.1	5	120	0.5	1	3.64	0.25	19	113	36	3.75	5	0.5	0.51	30	1.78	540	0.5	0.36	52	1530	8	5	9	66	0.15	5	5	70	2.5	93
88SJB4010		3.28	0.1	2.5	180	0.25	1	7.06	0.25	24	153	46	4.51	5	0.5	0.73	5	2.37	635	0.5	0.53	63	2200	8	5	9	89	0.19	5	5	81	5	101
88SJB4011		3.30	0.1	10	140	0.25	1	7.05	0.25	21	137	46	4.67	5	1	0.66	5	2.40	720	0.5	0.42	57	2050	8	5	9	88	0.19	5	5	79	2.5	110
88SJB4012		3.08	0.1	15	130	0.25	1	6.92	0.25	21	120	41	4.40	5	2	0.61	5	2.42	677	0.5	0.41	57	1980	8	5	9	81	0.20	5	5	76	2.5	106
88SJB4013		2.93	0.1	10	110	0.5	2	11.13	0.25	24	109	32	4.18	5	0.5	0.63	5	2.66	674	0.5	0.30	49	2230	8	2.5	9	102	0.17	5	5	73	10	96
88SJB4014		2.23	0.1	10	120	0.25	1	14.83	0.25	17	117	30	3.29	5	0.5	0.48	5	2.61	533	2	0.37	36	2600	6	5	7	115	0.13	5	5	57	10	65
88SJB4015		2.56	0.1	5	120	0.25	1	13.46	0.25	20	101	27	3.60	5	0.5	0.57	5	2.71	568	0.5	0.29	40	2170	10	2.5	8	107	0.14	5	5	63	5	78
88SJB4016		2.51	0.1	2.5	110	0.25	1	13.91	0.25	22	114	33	3.29	5	0.5	0.59	5	2.40	608	0.5	0.42	42	2490	10	5	8	113	0.14	5	5	62	5	73
88SJB4017		2.91	0.1	5	130	0.25	1	12.05	0.25	22	117	34	3.70	5	0.5	0.68	5	2.45	626	0.5	0.46	46	2910	4	2.5	9	110	0.16	5	5	68	5	84
88SJB4018		3.81	0.1	2.5	220	0.5	1	7.51	0.25	30	165	41	4.77	10	1	0.99	5	2.54	669	0.5	0.50	64	2190	10	2.5	11	80	0.24	5	5	105	10	111
88SJB4019		3.82	0.1	2.5	210	0.5	1	6.55	0.25	24	153	44	4.93	10	0.5	0.94	5	2.46	716	0.5	0.46	71	1910	6	2.5	12	74	0.24	5	5	104	15	117
88SJB4020		3.95	0.1	2.5	150	0.5	1	4.78	0.5	28	131	40	5.03	10	0.5	0.83	30	2.34	716	0.5	0.43	68	1850	4	2.5	12	68	0.21	5	5	96	5	122
88SJB4021		3.80	0.1	10	150	0.5	1	4.76	0.25	28	137	42	5.04	10	0.5	0.82	30	2.41	690	0.5	0.52	68	2020	2	5	12	66	0.22	5	5	96	5	123
88SJB4022		3.92	0.1	2.5	180	0.5	1	5.52	0.25	25	152	44	5.06	10	3	0.86	20	2.55	729	0.5	0.50	74	2150	6	5	12	73	0.22	5	5	99	15	122
88SJB4023		4.02	0.1	2.5	170	0.5	1	6.13	0.25	25	152	48	5.11	10	3	0.85	10	2.55	750	2	0.53	71	2200	18	2.5	12	77	0.22	5	5	99	10	123

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB4024	2	3.23	0.2	2.5	130	0.25	1	6.24	0.25	19	114	49	4.37	5	5	0.61	5	2.25	625	5	0.88	55	6200	10	2.5	9	83	0.20	5	5	71	10	110
88SJB4101		3.09	0.1	5	150	0.5	1	8.64	0.25	19	103	29	4.03	5	0.5	0.82	5	2.50	570	0.5	0.39	56	1500	10	2.5	9	105	0.19	5	5	74	10	104
88SJB4102		3.15	0.1	2.5	160	0.25	2	10.18	0.25	18	104	35	4.14	5	0.5	0.86	5	2.60	585	1	0.38	57	1720	12	5	9	131	0.17	5	5	74	10	102
88SJB4103		3.48	0.1	2.5	160	0.25	1	7.92	0.25	18	111	34	4.42	5	0.5	0.86	5	2.44	562	0.5	0.42	55	1590	14	2.5	10	95	0.20	5	5	81	10	107
88SJB4105		3.07	0.1	10	140	0.5	1	9.10	0.25	20	102	31	4.00	5	0.5	0.86	5	2.57	585	0.5	0.33	57	1710	10	5	9	143	0.18	5	5	75	10	97
88SJB4106		3.20	0.1	5	120	0.25	1	8.16	0.25	20	111	30	4.23	5	0.5	0.90	5	2.68	617	1	0.45	56	2270	14	5	9	139	0.19	5	5	79	10	102
88SJB4107		3.22	0.1	2.5	120	0.25	1	7.99	0.25	19	111	30	4.24	5	2	0.91	5	2.65	618	0.5	0.44	59	2150	8	5	9	134	0.20	5	5	79	10	102
88SJB4108		3.55	0.1	10	180	0.25	1	8.20	0.25	20	150	40	4.41	5	0.5	0.75	5	2.36	670	3	0.37	55	1820	16	5	10	142	0.17	5	5	82	15	96
88SJB4109		3.52	0.1	10	140	0.25	2	8.33	0.25	24	137	42	4.05	5	3	0.71	5	2.27	650	1	0.41	60	2030	10	5	10	118	0.15	5	5	78	15	94
88SJB4110		3.26	0.1	5	110	0.5	1	7.85	0.25	25	151	41	3.94	10	0.5	0.64	5	2.10	652	1	0.38	61	2180	12	2.5	10	100	0.15	5	5	76	35	90
88SJB4111		3.40	0.1	5	130	0.5	2	7.56	0.25	22	127	38	3.91	5	0.5	0.65	5	2.19	614	2	0.40	55	1890	18	5	10	94	0.16	5	5	72	2.5	92
88SJB4112		3.20	0.1	10	130	0.5	1	7.01	0.25	22	123	35	3.88	5	1	0.62	5	2.16	608	1	0.39	51	1670	18	2.5	10	85	0.16	5	5	72	2.5	94
88SJB4113		2.34	0.1	5	100	0.25	2	13.71	0.25	18	99	32	3.05	5	0.5	0.49	5	2.55	564	1	0.32	39	2000	6	2.5	8	120	0.13	5	5	54	2.5	68
88SJB4114		3.15	0.1	2.5	130	0.25	1	8.54	0.25	21	102	36	3.99	5	0.5	0.67	5	2.41	656	0.5	0.47	53	2170	8	5	9	91	0.17	5	5	70	2.5	98
88SJB4115		1.21	0.1	2.5	60	0.5	1	1.28	0.25	24	37	19	0.66	5	0.5	0.44	30	0.32	68	0.5	0.23	58	2420	8	2.5	3	369	0.01	5	5	37	2.5	15
88SJB4116		0.91	0.1	2.5	50	0.5	1	2.97	0.25	16	27	18	0.73	5	0.5	0.30	20	0.40	133	0.5	0.25	41	2490	4	2.5	2	332	0.01	5	5	26	2.5	15
88SJB4201		2.97	0.1	10	130	1	1	5.11	0.25	17	97	34	4.07	10	0.5	0.68	10	2.02	515	0.5	0.52	48	1710	14	2.5	9	61	0.20	5	5	66	10	108
88SJB4202		3.34	0.1	2.5	140	1	2	4.74	0.25	22	110	37	4.80	10	1	0.80	20	2.33	680	0.5	0.51	57	1830	12	2.5	10	66	0.21	5	5	75	20	122
88SJB4203		3.42	0.1	2.5	150	1	1	3.97	0.25	23	113	38	4.86	10	3	0.80	30	2.30	665	0.5	0.49	57	1740	14	2.5	10	60	0.21	5	5	78	20	122
88SJB4301		3.75	0.1	10	160	1	1	4.24	0.25	20	118	48	5.04	10	0.5	0.86	20	2.26	650	0.5	0.63	59	2140	22	5	11	58	0.22	5	5	80	20	126
88SJB4302		3.12	0.1	2.5	160	0.5	1	6.61	0.25	23	113	59	4.68	5	0.5	0.79	5	2.42	740	0.5	0.54	66	2000	14	5	9	65	0.21	5	5	81	5	120
88SJB4305		3.01	0.1	2.5	210	0.5	1	9.57	0.25	24	208	79	4.80	5	0.5	0.86	5	3.03	688	2	0.44	90	2410	2	5	10	85	0.23	5	5	86	10	98
88SJB4306		3.49	0.1	2.5	250	0.25	1	8.02	0.25	29	170	52	4.89	5	0.5	1.20	5	3.01	801	1	0.45	82	2240	14	2.5	12	81	0.26	5	5	103	10	125
88SJB4307		3.54	0.1	2.5	230	0.5	1	6.84	0.25	44	183	60	5.14	5	0.5	1.04	5	2.84	791	3	0.41	81	1690	4	2.5	11	85	0.27	5	5	98	10	125
88SJB4308		3.57	0.1	2.5	290	0.5	1	6.75	0.25	181	223	62	5.52	5	4	1.21	5	2.87	745	2	0.43	87	1810	8	2.5	12	93	0.31	5	5	112	15	121
88SJB4309		3.27	0.1	2.5	210	0.25	1	10.36	0.25	27	148	51	4.48	5	0.5	0.92	5	2.92	812	0.5	0.44	66	2050	4	2.5	11	104	0.25	5	5	86	2.5	109
88SJB4310		3.20	0.1	2.5	150	0.5	1	11.13	0.25	23	116	35	4.00	5	1	0.73	5	2.55	712	0.5	0.47	51	2820	10	5	10	107	0.18	5	5	72	2.5	91
88SJB4311		2.98	0.1	2.5	160	0.5	2	10.71	0.25	25	121	39	4.20	5	1	0.66	5	2.68	777	0.5	0.31	59	1600	4	5	10	106	0.20	5	5	75	2.5	100
88SJB4312		2.62	0.1	2.5	130	0.5	2	12.68	0.25	22	100	35	3.80	5	1	0.56	5	2.58	759	0.5	0.29	46	1650	6	5	9	113	0.18	5	5	64	2.5	92
88SJB4313		2.50	0.1	2.5	140	0.25	1	12.16	0.25	21	99	35	3.60	5	0.5	0.54	5	2.43	748	0.5	0.27	48	1720	1	5	9	112	0.16	5	5	62	2.5	87
88SJB4314		2.46	0.1	10	140	0.5	2	11.31	0.25	21	92	32	3.54	5	1	0.54	5	2.28	732	0.5	0.31	47	1730	4	5	9	103	0.15	5	5	61	2.5	86
88SJB4315		2.95	0.1	5	140	1	1	10.62	0.25	22	104	40	4.05	5	0.5	0.64	5	2.31	854	0.5	0.30	51	1750	8	5	10	97	0.16	5	5	73	2.5	97
88SJB4317		4.40	0.1	2.5	140	0.5	2	3.18	0.25	40	174	102	5.54	10	0.5	0.53	40	1.66	896	0.5	0.43	115	2080	1	2.5	17	55	0.12	5	5	139	2.5	176
88SJB4322	2	2.72	0.2	2.5	110	0.25	1	10.12	0.25	16	88	37	3.60	5	5	0.54	5	2.27	625	5	0.49	48	3440	12	2.5	8	101	0.16	5	5	58	10	88
88SJB4401		3.82	0.1	15	190	1.5	1	7.04	0.25	23	117	43	4.92	5	0.5	0.84	5	2.39	694	0.5	0.43	58	1700	8	5	12	76	0.20	5	5	92	2.5	116
88SJB4402		3.39	0.1	10	160	1	2	7.85	0.25	23	108	32	4.33	5	1	0.81	5	2.51	750	0.5	0.41	53	1420	8	2.5	11	81	0.21	5	5	83	2.5	108
88SJB4403		2.96	0.1	2.5	130	0.5	1	5.55	0.25	18	100	36	3.99	10	2	0.71	5	2.34	635	0.5	0.48	49	2080	18	2.5	9	59	0.19	5	5	65	10	106
88SJB4404		3.18	0.1	2.5	160	0.5	4	9.04	0.25	24	122	40	4.21	5	0.5	0.74	5	2.72	741	0.5	0.43	56	1790	20	2.5	11	89	0.21	5	5	79	2.5	99

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB4405		4.08	0.1	25	120	2	1	3.56	0.25	37	286	266	5.60	10	0.5	0.57	60	2.75	756	0.5	0.49	108	1790	2	2.5	19	91	0.23	5	5	130	2.5	103
88SJB4406		3.21	0.1	5	170	1.5	2	7.42	0.25	23	113	40	4.38	5	3	0.77	5	2.49	710	0.5	0.27	56	1350	8	5	11	80	0.20	5	5	81	2.5	105
88SJB4501		4.45	0.2	20	190	1.5	2	1.58	0.25	19	129	64	5.65	20	1	0.87	50	2.16	700	0.5	0.66	67	2560	18	2.5	13	44	0.23	5	5	89	20	124
88SJB4502		2.91	0.1	2.5	180	0.5	1	11.25	0.25	21	113	41	3.73	5	2	0.68	5	2.61	742	0.5	0.34	49	1750	12	5	10	104	0.20	5	5	73	2.5	87
88SJB4503		2.36	0.1	2.5	130	0.5	1	9.86	0.25	17	89	39	3.05	5	1	0.52	5	2.70	568	0.5	0.21	38	1340	10	2.5	8	87	0.17	5	5	60	2.5	69
88SJB4505		3.20	0.1	5	170	1	2	8.23	0.25	18	119	48	4.02	10	0.5	0.74	5	2.35	720	0.5	0.50	53	2220	20	2.5	10	83	0.21	5	5	68	10	100
88SJB4509		3.81	0.1	2.5	500	0.5	1	5.58	0.25	33	309	65	5.79	5	0.5	1.85	30	3.26	866	0.5	0.37	124	1710	14	2.5	14	79	0.40	5	5	129	5	127
88SJB4511		2.83	0.1	5	160	1	1	9.75	0.25	21	112	38	3.76	5	0.5	0.63	5	2.58	687	0.5	0.32	49	1540	10	2.5	10	91	0.20	5	5	71	2.5	89
88SJB4601		3.39	0.1	15	180	1	1	3.56	0.25	22	103	38	4.82	10	0.5	0.77	40	2.14	668	0.5	0.35	53	1510	16	5	11	65	0.25	5	5	88	2.5	116
88SJB4602		3.39	0.1	5	160	1	1	5.64	0.25	17	112	46	4.53	10	0.5	0.84	5	2.25	635	0.5	0.52	52	1840	16	5	10	70	0.22	5	5	73	20	112
88SJB4603		3.18	0.1	20	210	0.5	1	10.62	0.25	23	144	43	4.42	5	0.5	0.81	5	2.92	863	0.5	0.21	57	1470	4	5	11	92	0.24	5	5	87	2.5	102
88SJB4604		3.63	0.1	2.5	210	0.5	1	7.33	0.25	26	145	48	4.92	5	0.5	0.76	5	2.62	800	0.5	0.24	60	1300	18	5	12	70	0.23	5	5	92	2.5	113
88SJB4606		4.39	0.2	10	200	1	1	3.35	0.25	23	146	62	5.49	20	3	0.81	50	2.30	740	0.5	0.60	66	2400	26	2.5	13	50	0.25	5	5	96	20	132
88SJB4607		4.13	0.2	2.5	170	1	1	2.78	0.25	23	145	58	5.35	20	2	0.81	50	2.31	735	0.5	0.72	70	2700	20	5	12	47	0.26	5	5	89	20	132
88SJB4608		4.04	0.2	10	170	1	2	3.15	0.25	23	143	57	5.23	10	1	0.83	40	2.37	745	0.5	0.67	65	2440	18	5	12	49	0.26	5	5	87	20	132
88SJB4609		4.14	0.1	5	190	0.5	1	4.06	0.25	22	144	53	5.25	10	0.5	0.83	30	2.35	710	0.5	0.67	64	2720	18	5	12	58	0.24	5	5	91	20	124
88SJB4610		3.16	0.1	10	210	0.25	1	8.58	0.25	23	133	38	4.58	5	0.5	0.85	5	2.63	803	0.5	0.18	55	1200	16	2.5	12	85	0.22	5	5	88	2.5	102
88SJB4611		2.72	0.1	2.5	150	0.25	1	13.84	0.25	22	114	36	3.98	5	1	0.65	5	2.76	825	0.5	0.24	52	1660	10	5	11	113	0.18	5	5	79	2.5	80
88SJB4701		3.41	0.1	2.5	170	1	1	5.39	0.25	19	115	37	4.33	10	0.5	0.83	10	2.38	670	0.5	0.40	53	1660	14	2.5	10	69	0.22	5	5	73	20	110
88SJB4702		3.65	0.1	2.5	170	1	1	6.43	0.25	21	123	50	4.60	10	0.5	0.75	5	2.37	790	0.5	0.48	60	2330	12	2.5	11	80	0.22	5	5	79	20	110
88SJB4703		3.11	0.1	2.5	140	0.25	2	10.53	0.25	27	106	51	4.02	5	1	0.59	5	2.89	932	0.5	0.51	51	2340	10	5	11	100	0.19	5	5	79	2.5	95
88SJB4704		3.27	0.1	2.5	170	0.25	1	10.52	0.25	26	163	56	4.45	5	0.5	0.69	5	2.94	826	1	0.36	62	1620	8	2.5	11	105	0.21	5	5	80	2.5	99
88SJB4705		2.95	0.1	2.5	170	0.25	1	10.33	0.25	23	159	47	4.17	5	0.5	0.65	5	2.73	779	2	0.35	57	1680	8	5	10	100	0.20	5	5	73	2.5	90
88SJB4706		2.79	0.1	2.5	160	0.25	1	10.20	0.25	22	171	46	4.18	5	0.5	0.57	5	2.65	755	1	0.37	60	1880	4	2.5	9	95	0.19	5	5	69	2.5	86
88SJB4707		3.27	0.1	2.5	170	0.25	1	10.29	0.25	23	132	42	4.10	5	0.5	0.71	5	2.70	784	0.5	0.35	55	2080	4	2.5	10	99	0.20	5	5	76	2.5	93
88SJB4708		3.36	0.1	2.5	180	0.25	2	11.71	0.25	24	151	48	4.33	5	3	0.72	5	2.87	840	1	0.36	61	2510	6	5	11	113	0.21	5	5	78	2.5	95
88SJB4709		3.23	0.1	2.5	160	0.25	1	10.31	0.25	25	128	42	4.14	5	1	0.70	5	2.76	815	0.5	0.37	63	2230	22	2.5	11	101	0.21	5	5	79	2.5	94
88SJB4710		3.11	0.1	5	160	0.25	1	10.55	0.25	23	137	41	4.14	5	0.5	0.67	5	2.81	813	0.5	0.34	60	2180	22	5	10	104	0.21	5	5	78	2.5	94
88SJB4711		3.21	0.1	2.5	180	0.25	2	10.61	0.25	22	130	40	4.14	5	1	0.73	5	2.83	819	0.5	0.32	56	2050	20	2.5	11	106	0.22	5	5	81	2.5	96
88SJB4712		3.32	0.1	2.5	170	0.25	1	9.65	0.25	24	130	51	4.51	5	2	0.75	5	2.84	909	0.5	0.31	60	1880	16	2.5	12	101	0.22	5	5	86	2.5	112
88SJB4713		2.75	0.1	2.5	140	0.25	1	9.41	0.25	24	110	37	3.79	5	0.5	0.60	5	2.55	777	0.5	0.31	57	1740	12	5	10	93	0.19	5	5	74	2.5	90
88SJB4714	2	3.15	0.1	2.5	150	0.25	4	8.32	0.25	19	116	78	4.10	5	6	0.57	5	2.61	680	5	0.93	58	7110	6	5	9	85	0.18	5	5	67	10	96
88SJB4801		3.31	0.1	2.5	180	1	1	5.87	0.25	19	116	40	4.29	10	0.5	0.79	5	2.44	695	0.5	0.31	53	1610	10	2.5	10	77	0.22	5	5	73	10	108
88SJB4802		3.45	0.1	15	180	1	2	5.99	0.25	18	120	43	4.53	10	0.5	0.80	5	2.45	720	0.5	0.39	57	1660	16	5	11	76	0.22	5	5	75	20	110
88SJB4803		2.69	0.1	5	150	0.25	1	11.54	0.25	21	93	33	3.44	5	0.5	0.56	5	2.57	756	0.5	0.44	47	2090	4	2.5	9	104	0.17	5	5	65	2.5	80
88SJB4804		3.08	0.1	2.5	150	0.25	2	8.84	0.25	27	117	45	4.27	5	0.5	0.58	5	2.70	868	0.5	0.46	56	2250	6	2.5	11	88	0.25	5	5	91	2.5	94
88SJB4805		2.92	0.1	2.5	160	0.5	1	10.49	0.25	21	105	35	3.68	5	1	0.61	5	2.55	782	0.5	0.48	54	2670	10	10	10	99	0.18	5	5	70	2.5	84
88SJB4902		3.39	0.1	2.5	160	1	2	5.64	0.25	20	107	39	4.66	10	0.5	0.81	10	2.33	675	0.5	0.36	54	1500	10	2.5	10	68	0.21	5	5	74	20	118

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB4903		3.30	0.1	5	160	1	1	5.93	0.25	20	105	40	4.63	10	0.5	0.79	5	2.35	710	0.5	0.43	55	1850	12	2.5	10	69	0.21	5	5	73	20	122
88SJB4904		3.29	0.1	5	140	1	1	5.23	0.25	19	116	34	4.46	10	0.5	0.81	10	2.45	680	0.5	0.55	56	2390	10	2.5	10	61	0.23	5	5	73	20	116
88SJB4905		2.83	0.1	2.5	140	0.5	1	9.92	0.25	23	102	32	3.71	5	0.5	0.63	5	2.60	746	0.5	0.48	51	2640	6	2.5	10	97	0.18	5	5	72	5	86
88SJB4906		2.84	0.1	2.5	130	0.5	2	9.75	0.25	24	109	31	3.60	5	0.5	0.68	5	2.53	720	0.5	0.44	51	2260	14	2.5	10	106	0.19	5	5	71	5	86
88SJB4907		2.81	0.1	2.5	140	0.5	2	10.60	0.25	16	106	30	3.55	5	1	0.68	5	2.59	745	0.5	0.40	50	1860	4	5	10	115	0.20	5	5	71	2.5	83
88SJB4908		3.09	0.1	5	130	1	1	9.08	0.25	17	103	33	3.31	5	0.5	0.73	5	2.33	525	0.5	1.59	47	10000	16	5	8	90	0.13	5	5	59	10	85
88SJB4909		2.80	0.1	5	140	0.5	2	11.87	0.25	21	107	29	3.51	5	0.5	0.66	5	2.64	725	0.5	0.43	50	2050	10	2.5	10	122	0.18	5	5	69	2.5	81
88SJB5001		3.19	0.1	10	170	0.5	2	7.66	0.25	27	115	54	4.49	10	0.5	0.66	5	2.36	1156	0.5	0.56	61	2000	18	5	11	77	0.20	5	5	84	5	109
88SJB5002		2.93	0.1	30	150	0.5	6	9.74	0.25	26	126	41	4.07	5	0.5	0.63	5	2.71	1024	0.5	0.40	61	1660	4	5	11	86	0.21	5	5	82	5	96
88SJB5003		3.50	0.1	2.5	130	0.5	1	7.79	0.25	23	147	48	4.58	5	0.5	0.65	5	2.71	1386	0.5	0.50	65	2190	14	2.5	10	71	0.21	5	5	82	5	107
88SJB5004		3.17	0.1	2.5	150	0.5	1	8.49	0.25	23	124	40	4.15	5	0.5	0.63	5	2.65	935	0.5	0.40	57	1900	8	2.5	9	77	0.20	5	5	75	5	97
88SJB5005		3.37	0.1	15	160	0.5	1	9.51	0.25	25	149	52	4.57	5	0.5	0.65	5	2.76	888	1	0.49	71	2770	12	5	10	86	0.19	5	5	79	10	101
88SJB5006		3.11	0.1	2.5	150	0.5	1	8.40	0.25	22	131	46	4.23	5	0.5	0.59	5	2.55	829	1	0.44	62	2450	14	2.5	9	76	0.18	5	5	74	5	102
88SJB5007		3.53	0.1	5	150	1	1	7.70	0.25	20	144	46	4.07	5	0.5	0.75	5	2.26	667	0.5	1.39	55	10000	22	5	10	70	0.16	5	5	72	15	92
88SJB5008		3.36	0.1	2.5	180	0.5	1	8.83	0.25	21	124	42	4.19	5	0.5	0.63	5	2.51	1067	0.5	0.32	56	2140	2	5	10	81	0.19	5	5	78	5	96
88SJB5009		4.07	0.6	10	140	0.5	1	0.35	0.25	10	6	0.5	6.58	10	0.5	1.46	50	0.46	1434	1	0.43	21	1380	4	2.5	10	14	0.01	5	5	23	2.5	271
88SJB5103		3.66	0.1	2.5	150	1	2	5.56	0.25	22	116	40	4.97	10	0.5	0.89	10	2.50	790	0.5	0.54	61	2040	16	5	11	66	0.23	5	5	79	20	128
88SJB5104		3.55	0.1	2.5	170	0.5	1	5.21	0.25	21	124	39	4.65	10	0.5	0.88	10	2.53	705	0.5	0.49	58	1860	16	2.5	11	66	0.24	5	5	77	20	120
88SJB5105		3.69	0.1	5	170	0.5	2	6.11	0.25	21	127	48	4.69	10	0.5	0.88	5	2.49	840	0.5	0.62	61	2840	22	5	11	70	0.23	5	5	77	20	118
88SJB5106		3.97	0.1	10	190	1	1	5.61	0.25	20	130	48	4.86	10	3	0.91	10	2.45	790	0.5	0.58	60	2890	14	5	12	73	0.23	5	5	83	20	118
88SJB5107		2.88	0.1	2.5	140	0.5	1	8.81	0.25	24	138	149	4.23	5	0.5	0.50	5	2.68	809	5	0.39	81	2250	14	2.5	9	84	0.18	5	5	71	2.5	122
88SJB5108		2.71	0.1	25	100	1	1	7.08	0.25	19	126	128	3.47	5	2	0.56	5	2.28	534	5	2.05	59	10000	14	5	8	67	0.08	5	5	57	10	117
88SJB5109		3.21	0.1	5	160	0.5	2	10.63	0.25	28	126	45	4.04	5	0.5	0.72	5	2.66	815	0.5	0.36	62	2190	1	5	11	108	0.19	5	5	81	10	92
88SJB5110		3.32	0.1	5	140	1.5	1	8.36	0.25	21	154	47	3.98	5	0.5	0.72	5	2.46	552	2	1.39	57	10000	8	5	9	78	0.17	5	5	69	15	88
88SJB5111		3.13	0.1	10	170	0.5	2	10.99	0.25	26	121	40	4.00	5	0.5	0.74	5	2.70	868	0.5	0.37	60	2300	8	2.5	11	108	0.20	5	5	84	10	93
88SJB5112		3.52	0.1	15	140	1	1	7.38	0.25	18	129	43	3.90	5	0.5	0.78	5	2.39	519	1	1.24	54	8820	16	5	10	72	0.19	5	5	71	10	93
88SJB5113		3.43	0.1	15	180	0.5	4	10.68	0.25	28	132	40	4.24	5	1	0.82	5	2.77	868	0.5	0.46	64	2370	10	2.5	12	106	0.21	5	5	88	5	98
88SJB5114	2	2.95	1.8	2.5	130	0.5	2	7.66	0.25	18	108	40	3.77	5	5	0.56	5	2.46	605	5	1.10	59	7410	10	2.5		72	0.18	5	5	62	10	90
88SJB5204		4.21	0.1	5	160	1	1	4.63	0.25	23	123	42	5.29	10	2	1.10	20	2.50	705	0.5	0.61	62	2560	16	5	12	63	0.23	5	5	85	20	134
88SJB5205		4.12	0.1	15	190	1	1	4.68	0.25	24	143	45	5.57	20	0.5	1.03	30	2.79	785	0.5	0.63	69	2510	12	5	12	65	0.26	5	5	89	20	142
88SJB5206		3.51	0.1	10	150	1	1	6.57	0.25	20	122	51	4.51	10	0.5	0.69	5	2.41	710	0.5	0.83	58	4960	14	5	10	72	0.21	5	5	75	20	106
88SJB5207		3.44	0.1	10	170	0.5	2	9.76	0.25	26	129	39	4.37	5	0.5	0.79	5	2.74	880	0.5	0.56	66	2660	10	5	12	96	0.21	5	5	88	5	105
88SJB5208		2.94	0.1	20	150	0.5	1	9.47	0.25	24	113	32	3.84	5	0.5	0.68	5	2.56	818	0.5	0.43	57	1790	14	5	10	93	0.20	5	5	79	5	95
88SJB5209		3.07	0.1	10	160	0.5	2	9.20	0.25	25	124	37	4.09	5	0.5	0.71	5	2.71	835	0.5	0.43	63	1760	6	2.5	11	92	0.21	5	5	85	5	98
88SJB5210		3.26	0.1	10	180	0.5	1	9.61	0.25	27	128	41	4.24	5	0.5	0.75	5	2.72	865	0.5	0.40	63	1910	4	2.5	12	96	0.22	5	5	89	5	100
88SJB5211		2.90	0.1	10	140	0.5	2	9.29	0.25	26	107	36	3.87	5	0.5	0.66	5	2.56	787	0.5	0.47	57	2230	16	5	10	91	0.19	5	5	76	5	94
88SJB5212		3.35	0.1	10	160	0.5	2	10.76	0.25	27	140	45	4.28	5	0.5	0.75	5	2.75	856	0.5	0.57	68	2770	4	5	12	102	0.21	5	5	74	10	98
88SJB5213		3.29	0.1	5	170	0.5	2	9.19	0.25	26	132	38	4.35	5	0.5	0.75	5	2.77	851	0.5	0.52	65	2350	6	10	12	90	0.22	5	5	77	10	104

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB5214		3.14	0.1	2.5	160	0.5	1	9.65	0.25	26	127	32	4.19	5	0.5	0.73	5	2.82	835	0.5	0.51	64	2330	6	5	11	93	0.21	5	5	74	10	99
88SJB5215		3.17	0.1	10	160	0.5	2	8.99	0.25	26	123	33	4.10	5	0.5	0.74	5	2.70	792	0.5	0.54	63	2440	12	10	11	88	0.20	5	5	73	5	97
88SJB5216		3.81	0.1	10	160	1	1	7.04	0.25	21	124	43	4.24	5	4	0.81	5	2.43	587	0.5	1.26	54	8790	10	5	11	71	0.20	5	5	78	15	100
88SJB5217		3.07	0.1	5	170	0.5	1	10.82	0.25	27	127	44	4.14	5	0.5	0.75	5	2.82	946	0.5	0.44	67	2110	10	5	11	109	0.21	5	5	74	10	105
88SJB5218	2	2.80	2.6	2.5	140	0.25	6	6.95	0.25	16	103	40	3.61	5	5	0.52	5	2.28	610	5	0.98	54	7520	14	2.5		71	0.17	5	5	61	10	86
88SJB5305		2.79	0.1	2.5	100	1	1	6.38	0.25	18	93	32	3.93	10	0.5	0.68	5	2.41	565	0.5	0.45	48	2330	16	5	8	66	0.21	5	5	63	10	102
88SJB5306		2.60	0.1	5	110	0.5	1	6.42	0.25	16	98	31	3.65	10	0.5	0.62	5	2.39	565	0.5	0.40	46	1830	8	5	8	65	0.21	5	5	60	10	94
88SJB5307		2.98	0.1	2.5	130	1	1	6.60	0.25	17	107	43	4.00	10	0.5	0.65	5	2.34	660	0.5	0.57	51	3000	14	2.5	9	71	0.20	5	5	67	20	100
88SJB5308		2.84	0.1	2.5	120	0.5	2	7.04	0.25	18	115	50	3.85	5	1	0.62	5	2.41	670	0.5	0.56	50	2630	16	5	9	68	0.20	5	5	63	20	100
88SJB5309		3.24	0.1	5	150	0.5	1	9.70	0.25	22	148	45	4.27	5	0.5	0.79	5	2.71	894	0.5	0.57	56	2120	14	5	12	97	0.21	5	5	78	10	100
88SJB5310		3.18	0.1	2.5	150	0.5	1	9.50	0.25	22	134	42	4.14	5	0.5	0.76	5	2.55	850	0.5	0.58	58	2140	14	5	12	94	0.20	5	5	76	10	95
88SJB5311		3.25	0.1	2.5	160	0.5	2	9.33	0.25	23	146	42	4.30	5	0.5	0.64	5	2.69	774	0.5	0.48	58	2230	10	5	10	89	0.20	5	5	73	2.5	93
88SJB5312		3.43	0.1	2.5	150	0.5	1	9.29	0.25	27	146	46	4.48	5	0.5	0.73	5	2.90	769	0.5	0.86	63	4580	18	2.5	10	84	0.16	5	5	78	2.5	105
88SJB5313		3.11	0.1	2.5	140	0.5	1	8.99	0.25	23	143	45	4.13	5	0.5	0.64	5	2.62	733	1	0.67	53	3750	10	2.5	10	82	0.17	5	5	72	2.5	92
88SJB5314		3.87	0.1	5	160	1	1	7.39	0.25	21	152	50	4.41	5	0.5	0.80	5	2.45	607	2	1.14	56	7360	14	5	11	72	0.21	5	5	80	15	101
88SJB5315		3.53	0.1	2.5	140	0.5	1	7.81	0.25	25	132	41	4.45	5	0.5	0.73	5	2.70	744	0.5	0.79	61	4150	6	5	11	73	0.20	5	5	81	2.5	106
88SJB5316		3.30	0.1	2.5	140	0.5	1	7.64	0.25	25	135	41	4.48	5	0.5	0.68	5	2.63	1094	0.5	0.74	57	3940	12	5	10	71	0.20	5	5	78	2.5	102
88SJB5317		7.29	0.1	25	40	1.5	1	0.82	0.5	97	106	359	15.00	10	0.5	0.14	10	4.78	1971	0.5	0.62	81	2800	42	10	33	18	0.31	5	5	418	n/ss	351
88SJB5319		7.63	0.1	2.5	50	1.5	1	0.53	1	99	104	172	15.00	10	0.5	0.50	10	3.98	1928	0.5	1.11	80	3800	1	2.5	62	15	0.07	5	5	485	n/ss	371
88SJB5320		7.00	0.2	80	20	1	2	0.68	0.5	88	90	194	15.00	20	1	0.36	20	2.98	1750	1	1.92	70	10000	2	10	58	12	0.10	20	20	494	20	352
88SJB5321	2	2.96	0.1	2.5	140	1	2	7.02	0.25	18	113	44	3.83	5	5	0.53	5	2.38	625	5	1.27	56	9640	14	5		69	0.17	5	5	64	10	92
88SJB5402		2.81	0.1	2.5	110	0.5	1	6.36	0.25	17	89	32	3.86	10	1	0.67	5	2.24	585	0.5	0.44	46	1980	12	5	8	61	0.19	5	5	61	10	100
88SJB5403		3.00	0.1	5	140	0.5	1	10.02	0.25	16	107	26	3.69	5	0.5	0.64	5	2.60	665	0.5	0.59	46	2930	6	5	9	87	0.18	5	5	67	2.5	87
88SJB5404		2.95	0.1	10	150	0.5	1	8.52	0.25	24	121	29	4.01	5	0.5	0.65	5	2.74	718	0.5	0.51	52	2380	4	2.5	10	77	0.21	5	5	75	2.5	98
88SJB5405		3.15	0.1	2.5	160	0.5	1	8.85	0.5	25	126	29	4.21	5	0.5	0.69	5	2.78	746	0.5	0.59	60	2980	6	5	10	81	0.18	5	5	78	2.5	107
88SJB5406		3.05	0.1	10	150	0.5	1	8.69	0.25	22	124	28	4.05	5	0.5	0.67	5	2.72	701	0.5	0.59	57	2960	8	2.5	10	79	0.16	5	5	74	2.5	98
88SJB5407		3.30	0.1	2.5	150	0.5	1	9.08	0.25	23	125	30	4.20	5	0.5	0.71	5	2.83	710	0.5	0.62	58	3130	6	2.5	10	82	0.17	5	5	75	2.5	125
88SJB5408		3.28	0.1	2.5	160	0.5	2	9.66	0.25	23	119	28	3.97	5	0.5	0.70	5	2.75	686	0.5	0.69	52	3970	12	2.5	9	85	0.16	5	5	72	2.5	91
88SJB5409		3.06	0.1	5	170	0.5	1	10.99	0.25	16	107	30	3.70	5	0.5	0.60	5	2.75	731	0.5	0.35	49	1880	2	5	9	95	0.19	5	5	68	2.5	86
88SJB5410		3.09	0.1	2.5	170	0.5	2	10.47	0.25	21	111	32	3.89	5	0.5	0.60	5	2.68	816	0.5	0.32	54	1730	10	2.5	10	93	0.21	5	5	71	2.5	92
88SJB5411		3.13	0.1	2.5	150	0.5	2	7.81	0.25	21	117	37	4.16	5	0.5	0.57	5	2.65	772	0.5	0.42	56	1900	6	2.5	10	73	0.21	5	5	73	2.5	96
88SJB5412		3.48	0.1	2.5	170	0.5	1	5.48	0.25	20	117	46	4.17	5	2	0.66	5	2.22	665	0.5	0.30	53	1830	10	5	11	67	0.22	5	5	76	10	102
88SJB5413		3.86	0.1	2.5	170	0.5	1	5.18	0.25	25	137	49	5.19	5	1	0.67	20	2.60	811	0.5	0.49	64	1830	10	2.5	12	61	0.23	5	5	88	2.5	119
88SJB5415		4.06	0.1	2.5	190	0.5	1	5.51	0.25	25	148	67	5.88	5	0.5	0.75	20	2.66	944	0.5	0.65	66	2470	16	5	12	62	0.22	5	5	88	2.5	164
88SJB5504		3.02	0.1	10	110	1	2	4.45	0.25	20	98	35	4.30	10	0.5	0.72	10	2.25	595	0.5	0.48	54	2290	18	5	9	53	0.20	5	5	67	20	110
88SJB5505		3.20	0.1	15	120	0.5	1	5.90	0.25	20	111	46	4.21	10	0.5	0.64	5	2.29	635	0.5	0.60	54	2560	24	5	10	63	0.20	5	5	70	20	102
88SJB5506		2.90	0.1	5	120	0.5	1	4.89	0.25	20	107	31	4.07	10	0.5	0.70	10	2.34	580	0.5	0.48	52	2270	12	5	9	55	0.22	5	5	67	20	104
88SJB5507		3.02	0.1	2.5	170	0.25	1	11.42	0.25	22	107	34	3.75	5	0.5	0.62	5	2.60	757	0.5	0.46	50	2310	12	2.5	9	110	0.17	5	5	65	5	85

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB5508		3.08	0.1	2.5	170	0.25	1	10.53	0.25	21	109	33	3.89	5	0.5	0.66	5	2.60	762	0.5	0.47	55	2420	10	5	9	104	0.18	5	5	67	2.5	89
88SJB5509		3.12	0.1	10	170	0.5	1	9.85	0.25	23	115	36	3.99	5	0.5	0.69	5	2.59	764	0.5	0.46	56	2340	8	2.5	10	102	0.19	5	5	71	2.5	93
88SJB5603		2.84	0.1	2.5	110	0.5	2	5.72	0.25	20	90	30	4.04	10	0.5	0.68	5	2.17	585	0.5	0.59	49	3820	16	5	8	59	0.19	5	5	64	20	104
88SJB5604		2.88	0.1	5	130	0.5	1	5.47	0.25	20	102	33	3.95	10	0.5	0.70	5	2.26	630	0.5	0.40	52	1600	18	5	9	60	0.21	5	5	66	10	102
88SJB5605		3.35	0.1	2.5	170	1	1	9.32	0.25	28	125	40	4.46	5	0.5	0.69	5	2.75	879	0.5	0.55	64	2560	12	5	11	90	0.20	5	5	77	10	105
88SJB5606		3.09	0.1	2.5	160	0.5	1	10.15	0.25	23	114	34	3.99	5	3	0.61	5	2.61	794	0.5	0.46	56	2200	12	5	10	95	0.18	5	5	69	2.5	95
88SJB5607		3.67	0.1	2.5	140	0.5	1	8.90	2.5	39	121	138	5.44	5	0.5	0.56	5	2.98	1015	0.5	0.58	63	3050	10	5	11	82	0.21	5	5	97	10	478
88SJB5703		3.37	0.1	2.5	120	1	2	4.33	0.25	22	105	33	4.46	10	0.5	0.83	20	2.29	630	0.5	0.52	56	2410	10	5	10	55	0.21	5	5	73	20	114
88SJB5704		2.83	0.1	2.5	120	0.5	2	7.00	0.25	20	92	34	3.98	10	0.5	0.66	5	2.32	640	0.5	0.34	47	1370	14	2.5	9	70	0.21	5	5	63	20	104
88SJB5705		3.15	0.1	2.5	150	0.5	1	7.03	0.25	20	109	48	4.13	5	0.5	0.60	5	2.39	680	0.5	0.36	54	1870	18	2.5	10	78	0.20	5	5	69	20	98
88SJB5706		3.11	0.1	5	170	0.25	1	10.15	0.25	23	129	53	3.96	5	0.5	0.67	5	2.54	746	2	0.47	62	2220	8	5	10	100	0.18	5	5	68	5	90
88SJB5707		2.70	0.1	10	150	0.25	1	11.55	0.25	17	123	46	3.48	5	0.5	0.60	5	2.61	663	2	0.30	53	2340	14	5	9	117	0.16	5	5	60	10	78
88SJB5708		2.76	0.1	5	180	0.25	1	12.40	0.25	16	123	46	3.55	5	0.5	0.62	5	2.78	721	0.5	0.29	47	2270	12	5	9	131	0.18	5	5	63	5	78
88SJB5709		2.76	0.1	2.5	180	0.25	1	11.20	0.25	21	208	53	4.52	5	0.5	0.61	5	2.71	744	3	0.33	59	2770	12	5	9	118	0.17	5	5	64	10	78
88SJB5710		2.87	0.1	2.5	190	0.5	1	10.30	0.25	23	181	50	4.35	5	1	0.63	5	2.65	745	0.5	0.29	58	2520	10	2.5	9	112	0.18	5	5	69	5	83
88SJB5711		3.87	0.1	2.5	170	0.5	1	9.08	0.5	27	142	50	4.72	5	0.5	0.84	5	2.79	853	0.5	0.23	63	1930	16	5	12	104	0.21	5	5	83	5	110
88SJB5712		3.55	0.1	2.5	190	0.5	1	8.92	0.25	27	146	46	4.73	5	0.5	0.79	5	2.81	905	0.5	0.24	66	1670	14	10	11	99	0.22	5	5	84	5	113
88SJB5713		3.51	0.1	2.5	180	0.5	1	8.92	0.25	27	143	48	4.60	5	0.5	0.75	5	2.71	881	0.5	0.19	62	1720	10	5	11	97	0.21	5	5	81	5	106
88SJB5714		3.71	0.1	2.5	180	0.5	1	9.22	0.25	27	142	48	4.68	5	0.5	0.76	5	2.75	868	0.5	0.22	64	1860	12	5	11	99	0.22	5	5	84	5	109
88SJB5715		3.38	0.1	15	180	1	2	7.65	0.25	19	118	44	3.88	5	1	0.70	5	2.30	632	0.5	0.25	49	2190	12	10	10	82	0.20	5	5	72	10	89
88SJB5716		3.20	0.1	2.5	180	0.25	1	9.10	0.25	24	128	41	4.29	5	0.5	0.68	5	2.60	768	0.5	0.18	55	1710	16	5	10	95	0.20	5	5	77	5	98
88SJB5721		2.77	0.1	15	130	1	1	11.15	0.25	20	101	45	3.33	5	0.5	0.48	5	2.25	762	0.5	0.26	49	1760	4	5	9	90	0.14	5	5	57	15	77
88SJB5807		3.44	0.1	15	180	0.25	1	8.70	0.25	27	129	45	4.65	5	0.5	0.68	5	2.64	900	0.5	0.31	65	1700	12	5	11	89	0.19	5	5	76	10	103
88SJB5808		3.20	0.1	5	190	0.25	1	8.10	0.25	23	125	35	4.25	5	0.5	0.72	5	2.57	816	0.5	0.25	59	1320	14	5	10	97	0.21	5	5	77	10	101
88SJB5809		3.31	0.1	2.5	190	0.25	1	8.77	0.25	24	130	39	4.35	5	0.5	0.72	5	2.69	825	0.5	0.27	65	1580	14	5	10	102	0.20	5	5	78	5	101
88SJB5810		3.29	0.1	2.5	190	0.25	1	9.35	0.25	25	132	39	4.41	5	0.5	0.71	5	2.90	850	0.5	0.25	62	1320	12	5	11	99	0.22	5	5	82	2.5	103
88SJB5811		3.24	0.1	5	170	0.25	1	10.70	0.25	26	156	45	4.41	5	0.5	0.68	5	2.91	784	0.5	0.23	61	1580	14	2.5	11	109	0.20	5	5	80	15	91
88SJB5812		2.87	0.1	10	160	0.25	1	9.58	0.25	23	119	31	3.82	5	0.5	0.66	5	2.77	705	0.5	0.25	57	1480	4	5	9	89	0.19	5	5	74	5	86
88SJB5813		3.45	0.1	15	160	1.5	2	8.28	0.25	21	118	42	3.98	5	0.5	0.68	5	2.56	639	0.5	0.33	65	2840	10	5	11	87	0.18	5	5	73	10	86
88SJB5814		3.13	0.1	2.5	140	0.25	1	9.57	0.25	27	128	38	4.33	5	0.5	0.63	5	3.30	816	0.5	0.25	117	1470	4	5	10	98	0.19	10	5	75	10	91
88SJB5902		2.80	0.1	5	130	0.5	1	6.47	0.25	17	92	34	3.95	10	1	0.66	5	2.27	610	0.5	0.32	48	1250	14	2.5	9	64	0.20	5	5	63	20	102
88SJB5903		3.24	0.1	2.5	160	0.25	1	8.19	0.25	26	113	46	4.38	5	0.5	0.70	5	2.56	791	0.5	0.26	58	1600	18	2.5	10	75	0.17	5	5	77	10	98
88SJB5904		3.16	0.1	5	140	0.5	1	7.17	0.25	27	110	48	4.42	5	0.5	0.67	5	2.43	791	0.5	0.22	60	1410	12	5	10	70	0.17	5	5	75	5	104
88SJB5905		3.62	0.1	5	190	0.25	1	7.96	0.25	39	187	98	5.89	5	4	0.56	5	2.41	1465	0.5	0.29	94	1430	8	5	13	90	0.15	5	5	95	20	108
88SJB5906		3.40	0.1	25	160	0.25	1	10.00	0.25	37	119	165	4.95	5	0.5	0.57	5	2.55	1200	0.5	0.37	68	1530	4	10	12	110	0.17	5	5	96	10	99
88SJB5907		4.09	0.1	2.5	160	0.25	1	5.51	0.5	36	113	132	5.76	5	0.5	0.37	5	1.65	1290	0.5	0.32	70	1400	2	2.5	10	77	0.10	5	5	73	15	106
88SJB6001		2.21	0.1	5	100	0.5	1	7.32	0.25	15	79	29	3.38	5	0.5	0.52	5	2.19	570	0.5	0.25	43	1130	18	2.5	7	70	0.19	5	5	54	10	88
88SJB6002		2.79	0.1	10	140	0.5	1	6.40	0.25	18	96	41	4.17	10	0.5	0.66	5	2.27	705	0.5	0.31	51	1530	16	5	9	69	0.20	5	5	65	20	108

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB6101		2.82	0.1	15	150	1	2	9.61	0.25	20	112	34	3.85	5	0.5	0.57	5	2.53	777	0.5	0.34	54	1780	42	2.5	9	82	0.20	5	5	76	5	91
88SJB6102		2.59	0.1	2.5	130	0.25	1	8.11	0.25	19	108	30	3.80	5	0.5	0.53	5	2.40	706	0.5	0.42	57	2380	6	2.5	8	71	0.18	5	5	69	2.5	92
88SJB6103		2.52	0.1	5	140	0.25	1	11.28	0.25	20	109	31	3.61	5	0.5	0.46	5	2.65	726	0.5	0.34	57	1840	12	5	8	89	0.17	5	5	66	2.5	83
88SJB6104		2.41	0.1	2.5	110	0.5	1	10.79	0.25	17	97	27	3.33	5	0.5	0.45	5	2.57	628	0.5	0.46	50	2410	8	2.5	7	83	0.16	5	5	62	5	75
88SJB6105		2.39	0.1	2.5	130	0.5	1	11.28	0.25	16	94	29	3.28	5	0.5	0.44	5	2.48	656	0.5	0.40	45	2080	2	2.5	7	87	0.16	5	5	63	2.5	73
88SJB6106		2.28	0.1	2.5	120	0.25	4	10.55	0.25	18	91	29	3.22	5	0.5	0.43	5	2.41	669	0.5	0.40	44	2120	14	2.5	7	85	0.15	5	5	63	5	71
88SJB6111		3.30	0.1	15	170	1	1	5.14	0.25	17	122	54	4.44	10	2	0.58	10	2.25	625	0.5	0.42	57	1990	24	5	10	63	0.20	5	5	76	20	110
88SJB6112		3.27	0.2	2.5	160	0.5	1	4.46	0.25	17	121	53	4.46	10	1	0.58	20	2.26	665	0.5	0.38	57	1790	22	2.5	10	53	0.22	5	5	76	20	114
88SJB6114		3.41	0.1	10	130	0.25	1	2.91	0.25	29	138	44	5.06	10	1	0.71	50	2.51	710	1	0.80	74	4640	20	5	11	47	0.24	5	5	94	2.5	123
88SJB6115		3.51	0.1	20	130	0.5	1	2.82	0.25	26	137	43	5.03	10	0.5	0.74	50	2.42	706	1	0.88	73	5730	20	5	11	46	0.22	5	5	95	2.5	125
88SJB6116		3.27	0.1	5	160	0.5	1	3.93	0.25	25	130	44	4.74	10	0.5	0.68	40	2.52	752	0.5	0.47	69	3110	22	5	11	58	0.23	5	5	93	5	122
88SJB6119		2.87	0.1	2.5	120	0.25	1	8.05	0.25	20	145	34	4.48	5	0.5	0.56	5	2.30	658	1	0.65	57	4160	8	5	9	77	0.16	5	5	83	5	90
88SJB6120		2.83	0.1	2.5	110	1	1	7.85	0.25	21	109	33	4.12	5	1	0.58	5	2.27	661	0.5	0.65	55	4180	12	2.5	9	79	0.17	5	5	78	5	91
88SJB6121		3.04	0.1	5	120	1	1	8.50	0.25	22	112	34	4.22	5	0.5	0.62	5	2.35	733	0.5	0.60	62	3820	10	5	9	95	0.18	5	5	80	5	97
88SJB6122		3.31	0.1	5	140	0.5	2	6.95	0.25	24	117	36	4.52	5	0.5	0.68	5	2.38	772	0.5	0.62	60	3730	10	5	10	77	0.19	5	5	85	5	108
88SJB6123		3.03	0.1	2.5	130	1	1	7.56	0.25	23	115	35	4.26	5	0.5	0.62	5	2.40	762	0.5	0.57	64	3720	6	5	9	81	0.19	5	5	79	5	104
88SJB6124		3.26	0.1	2.5	150	1.5	1	8.12	0.25	23	120	34	4.39	5	0.5	0.69	5	2.52	787	0.5	0.52	60	3090	10	2.5	10	88	0.21	5	5	84	5	107
88SJB6125		2.89	0.1	2.5	130	1	1	9.81	0.25	19	125	34	3.93	5	0.5	0.58	5	2.38	715	0.5	0.44	53	2560	6	2.5	9	97	0.18	5	5	73	2.5	89
88SJB6126		3.13	0.1	10	130	0.5	1	9.50	0.25	20	123	38	4.10	5	1	0.63	5	2.37	732	1	0.44	56	2270	12	5	9	96	0.18	5	5	77	5	94
88SJB6201		3.84	0.1	10	140	1.5	2	6.50	0.25	49	136	107	6.24	5	0.5	0.61	5	2.41	988	1	1.12	94	7240	16	2.5	11	61	0.18	5	5	123	5	130
88SJB6202		2.19	0.1	2.5	120	0.5	1	14.02	0.25	17	86	29	2.84	5	0.5	0.43	5	2.40	691	1	0.40	42	2680	1	5	7	106	0.14	5	5	57	2.5	66
88SJB6203		3.42	0.1	2.5	160	1.5	1	6.94	0.25	26	143	50	4.86	5	0.5	0.62	5	2.51	875	0.5	0.66	74	3300	10	10	11	63	0.20	5	5	92	5	116
88SJB6204		3.49	0.1	5	170	1	1	8.07	0.25	23	143	47	4.88	5	0.5	0.64	5	2.53	907	0.5	0.63	74	3270	16	5	11	70	0.20	5	5	92	10	113
88SJB6205		3.27	0.1	2.5	180	0.5	1	10.29	0.25	23	127	38	4.34	5	0.5	0.62	5	2.56	901	0.5	0.56	62	3420	12	5	10	81	0.19	5	5	85	5	98
88SJB6206		3.65	0.1	2.5	170	1	1	8.10	0.25	23	130	42	4.77	5	0.5	0.66	5	2.56	901	0.5	0.71	63	3580	8	5	11	69	0.20	5	5	88	5	109
88SJB6207		3.37	0.1	10	140	0.5	4	7.07	0.25	23	126	40	4.59	5	0.5	0.60	5	2.56	850	0.5	0.66	64	3450	6	5	10	65	0.21	5	5	85	5	107
88SJB6208		3.56	0.1	2.5	150	0.5	1	5.90	0.5	22	134	46	4.84	5	0.5	0.66	10	2.57	760	0.5	0.74	71	3740	10	2.5	11	60	0.22	5	5	93	2.5	115
88SJB6209		2.23	0.1	2.5	130	0.5	1	13.03	0.25	14	100	30	3.26	5	0.5	0.39	5	2.44	754	1	0.51	46	3470	6	2.5	7	95	0.14	5	5	58	2.5	64
88SJB6210		2.02	0.1	2.5	120	0.5	2	13.75	0.25	14	81	22	2.87	5	0.5	0.37	5	2.71	689	0.5	0.50	38	3580	8	2.5	7	100	0.13	5	5	53	2.5	56
88SJB6211		3.42	0.1	15	140	0.25	1	8.17	0.25	23	137	40	4.71	5	0.5	0.61	5	2.59	757	2	1.58	66	10000	16	5	10	70	0.14	5	5	87	5	104
88SJB6212		3.75	0.1	5	150	0.5	4	8.09	0.25	23	140	43	5.05	5	0.5	0.65	5	2.56	839	0.5	1.20	71	9170	14	5	11	70	0.19	5	5	95	5	109
88SJB6214		3.52	0.1	2.5	140	0.25	1	6.22	0.25	23	122	34	4.72	5	0.5	0.71	5	2.38	758	0.5	0.91	62	6800	18	2.5	10	71	0.19	5	5	88	2.5	106
88SJB6215		3.47	0.1	5	140	0.5	2	4.24	0.25	23	124	36	4.60	5	0.5	0.71	20	2.28	620	1	1.62	66	10000	12	2.5	10	57	0.14	5	5	88	5	110
88SJB6216		3.70	0.1	2.5	140	1	1	5.42	0.25	27	141	41	4.80	5	0.5	0.78	5	2.38	693	1	1.12	66	8390	10	5	11	66	0.19	5	5	82	5	113
88SJB6303		2.81	0.1	5	130	1	1	5.75	0.25	20	99	34	4.12	10	0.5	0.67	5	2.26	640	0.5	0.33	51	1560	12	2.5	9	66	0.21	5	5	66	20	108
88SJB6304		2.98	0.1	2.5	130	0.5	1	6.94	0.25	18	117	45	4.04	10	0.5	0.66	5	2.41	665	0.5	0.47	55	1940	14	2.5	9	71	0.21	5	5	67	20	102
88SJB6305		2.82	0.1	2.5	130	1.5	2	8.80	0.25	25	124	37	3.98	5	0.5	0.61	5	2.45	728	0.5	0.61	64	5440	8	5	9	93	0.18	5	5	68	2.5	96
88SJB6308		4.76	0.1	10	180	1	1	2.92	0.25	38	113	125	5.93	10	0.5	0.63	20	3.00	1304	1	1.22	79	10000	16	2.5	9	125	0.17	5	5	80	10	142

Geochemical Results Clay-size fraction (<0.002 mm)

Sample Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB6401	2.91	0.1	15	140	1	2	6.49	0.25	18	98	36	4.05	10	1	0.70	5	2.30	660	0.5	0.31	48	1360	18	2.5	9	74	0.21	5	5	66	20	104
88SJB6402	3.44	0.1	5	130	1.5	2	5.09	0.25	27	117	32	4.71	5	0.5	0.81	5	2.42	696	0.5	0.97	65	7650	12	2.5	10	64	0.20	5	5	81	2.5	117
88SJB6403	3.58	0.1	5	150	1	1	5.81	0.25	26	133	38	4.92	5	0.5	0.81	5	2.52	802	0.5	1.02	72	7120	18	2.5	11	68	0.21	5	5	85	2.5	119
88SJB6404	2.85	0.1	2.5	190	1	1	8.05	0.25	30	79	29	3.52	5	0.5	1.25	5	3.04	640	0.5	0.90	48	6480	6	2.5	6	129	0.15	5	5	66	5	82
88SJB6501	3.08	0.1	2.5	130	1	1	5.60	0.25	18	100	36	4.21	10	0.5	0.75	5	2.28	630	0.5	0.35	51	1390	22	2.5	9	69	0.21	5	5	68	20	108
88SJB6502	3.10	0.1	20	140	0.5	2	5.93	0.25	17	104	36	4.31	10	2	0.75	5	2.36	655	0.5	0.34	55	1370	20	2.5	10	71	0.22	5	5	69	20	110
88SJB6503	3.06	0.1	5	150	1	1	6.97	0.25	18	107	44	3.92	10	0.5	0.67	5	2.30	645	0.5	0.39	54	1920	14	5	9	73	0.19	5	5	69	20	96
88SJB6504	2.59	0.1	2.5	130	0.5	1	7.28	0.25	17	101	46	3.51	5	0.5	0.57	5	2.47	565	0.5	0.42	54	2320	14	2.5	8	66	0.18	5	5	61	10	86
88SJB6505	2.74	0.1	15	150	0.5	2	6.83	0.25	17	103	44	3.87	10	0.5	0.58	5	2.37	620	0.5	0.29	51	1390	16	5	8	63	0.18	5	5	63	20	94
88SJB6506	7.37	0.1	35	40	0.25	1	1.44	0.25	86	322	241	14.99	10	0.5	0.14	10	4.19	3091	0.5	0.66	212	4670	1	5	17	32	0.28	5	5	243	2.5	224
88SJB6507	3.92	0.1	15	100	1.5	2	4.47	0.25	38	153	114	6.43	5	0.5	0.46	5	2.21	818	0.5	1.11	95	8230	8	5	10	48	0.11	5	5	86	2.5	134
88SJB6601	3.26	0.1	10	150	1	4	5.31	0.25	18	103	38	4.28	10	1	0.71	10	2.17	545	0.5	0.32	52	1310	18	5	10	62	0.21	5	5	70	20	112
88SJB6602	3.00	0.1	10	140	1	1	6.15	0.25	17	98	35	4.10	10	0.5	0.72	5	2.28	660	0.5	0.27	49	1270	20	5	9	75	0.21	5	5	68	20	104
88SJB6701	3.42	0.1	2.5	180	0.5	1	9.02	0.25	39	123	80	4.58	5	0.5	0.58	5	2.39	1045	0.5	0.71	81	3680	10	5	11	75	0.18	5	5	72	5	116
88SJB6702	3.15	0.1	5	140	1	1	8.85	0.25	25	120	37	4.05	5	0.5	0.60	5	2.49	788	0.5	0.64	59	4070	12	5	10	75	0.18	5	5	68	2.5	97
88SJB6703	3.20	0.1	15	160	0.5	2	9.87	0.25	27	190	52	4.49	5	0.5	0.66	5	2.81	796	2	0.61	70	3470	18	5	10	89	0.19	5	5	72	5	96
88SJB6704	3.19	0.1	5	150	1	2	8.88	0.25	28	141	39	4.17	5	0.5	0.65	5	2.68	755	0.5	0.65	59	3870	10	2.5	10	80	0.19	5	5	71	2.5	93
88SJB6705	3.44	0.1	2.5	170	0.5	2	9.56	0.25	28	174	56	4.57	5	0.5	0.71	5	2.62	824	3	0.76	73	5260	20	5	10	89	0.18	5	5	70	5	99
88SJB6706	3.36	0.1	10	160	1	2	9.02	0.25	28	132	44	4.31	5	0.5	0.68	5	2.56	863	0.5	0.60	67	3520	8	2.5	11	90	0.19	5	5	72	2.5	100
88SJB6707	3.60	0.1	15	140	1	1	8.23	0.25	36	158	66	5.16	5	0.5	0.61	5	2.56	969	0.5	0.63	76	3620	14	2.5	11	83	0.18	5	5	83	2.5	112
88SJB6708	3.11	0.1	10	140	1	2	8.97	0.25	41	132	48	4.42	5	0.5	0.53	5	2.49	987	0.5	0.42	70	2560	12	5	11	87	0.17	5	5	74	2.5	100
88SJB6709	3.50	0.1	10	130	0.5	2	8.41	0.25	33	122	48	4.97	5	0.5	0.62	5	2.39	988	0.5	0.56	68	3470	12	2.5	11	81	0.17	5	5	79	5	120
88SJB6710	3.19	0.1	5	140	0.5	1	8.24	0.25	27	127	45	4.75	5	0.5	0.56	5	2.34	944	0.5	0.50	66	2910	8	2.5	10	78	0.16	5	5	74	2.5	112
88SJB6711	3.07	0.1	2.5	130	0.5	4	8.29	0.25	28	120	41	4.58	5	1	0.54	5	2.30	898	0.5	0.56	62	3450	8	5	10	77	0.16	5	5	73	2.5	107
88SJB6712	3.10	0.1	25	150	0.5	1	9.89	0.25	28	138	50	4.65	5	0.5	0.55	5	2.45	959	1	0.45	66	2610	6	5	10	93	0.16	5	5	72	5	107
88SJB6713	2.59	0.1	2.5	110	0.5	1	8.28	0.25	25	96	36	3.90	5	2	0.45	5	2.41	823	1	0.42	56	2570	10	2.5	9	76	0.15	5	5	63	2.5	94
88SJB6714	3.19	0.1	25	140	0.5	1	7.61	0.25	28	119	44	4.52	5	0.5	0.53	5	2.47	826	1	0.52	62	2880	20	10	10	79	0.17	5	5	74	5	104
88SJB6715	3.37	0.1	2.5	150	0.5	1	6.91	0.25	31	114	48	4.86	5	0.5	0.58	5	2.33	966	0.5	0.44	69	2430	12	2.5	11	82	0.18	5	5	80	2.5	114
88SJB6716	3.53	0.1	30	150	0.5	1	6.31	0.25	32	120	49	4.89	5	2	0.60	5	2.39	876	0.5	0.61	71	3390	16	5	11	74	0.18	5	5	80	2.5	111
88SJB6717	2.89	0.1	10	140	0.5	2	11.63	0.25	25	95	42	3.63	5	0.5	0.52	5	2.28	967	0.5	0.50	54	3010	12	2.5	9	96	0.12	5	5	57	2.5	85
88SJB6718	2.74	0.1	2.5	140	0.5	1	12.28	0.25	28	151	45	3.95	5	2	0.48	5	2.54	871	1	0.46	65	2650	8	5	9	105	0.12	5	5	57	5	78
88SJB6719	2.87	0.1	15	150	0.5	1	13.11	0.25	26	144	46	3.93	5	0.5	0.50	5	2.59	952	0.5	0.48	63	2820	10	5	10	110	0.13	5	5	59	5	82
88SJB6720	3.37	0.1	5	150	0.5	2	12.66	0.25	29	114	47	4.17	5	0.5	0.60	5	2.50	1086	0.5	0.55	65	3070	12	5	10	98	0.13	5	5	62	2.5	102
88SJB6722	2.93	0.1	10	140	0.5	1	12.55	0.25	28	110	44	3.90	5	0.5	0.49	5	2.62	1022	0.5	0.40	64	2170	12	5	10	101	0.13	5	5	60	5	94
88SJB6801	2.31	0.1	20	90	0.25	1	6.75	0.25	29	76	63	3.29	5	0.5	0.28	5	2.60	483	0.5	0.38	53	2600	12	10	8	60	0.13	5	5	54	2.5	82
88SJB6802	2.09	0.1	15	70	0.5	1	6.74	0.25	21	76	61	3.16	5	0.5	0.31	5	2.44	400	0.5	0.46	47	3170	12	2.5	6	54	0.13	5	5	43	10	90
88SJB6803	3.45	0.1	10	170	0.25	1	10.09	0.25	27	113	47	4.82	5	0.5	0.60	5	2.55	1105	0.5	0.53	63	3100	12	5	11	89	0.17	5	5	70	5	105
88SJB6804	3.67	0.1	5	170	0.25	2	8.60	0.25	27	115	56	5.08	5	0.5	0.66	5	2.58	1070	0.5	0.55	61	2890	6	5	13	83	0.17	5	5	79	2.5	117

Geochemical Results Clay-size fraction (<0.002 mm)

Sample	Obs	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection		%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB6807		3.49	0.1	2.5	140	0.5	1	10.26	0.25	27	121	50	4.54	5	0.5	0.61	5	2.71	1042	1	0.71	63	3550	14	5	12	82	0.16	5	5	72	2.5	106
88SJB6808		2.15	0.1	15	120	1	2	10.54	0.25	20	65	138	3.49	5	0.5	0.44	5	2.27	964	0.5	0.26	33	1910	1	5	8	84	0.11	5	5	47	15	74
88SJB6809		3.03	0.1	35	170	0.25	2	11.51	0.25	44	50	323	7.93	5	0.5	0.75	5	2.50	2346	1	0.35	40	3040	1	5	9	117	0.04	5	5	49	15	108
88SJB6901		3.56	0.1	15	180	1	1	5.20	0.25	20	106	46	4.79	10	0.5	0.87	20	2.30	695	0.5	0.22	57	1600	14	2.5	10	78	0.19	5	5	76	20	124
88SJB6902		3.39	0.1	10	180	1	2	6.16	0.25	21	105	46	4.60	10	0.5	0.82	5	2.33	735	0.5	0.23	57	1570	20	2.5	10	80	0.20	5	5	74	20	120
88SJB6903		2.95	0.1	2.5	150	1	2	6.56	0.25	17	104	39	4.00	10	0.5	0.68	5	2.41	690	0.5	0.32	50	1370	12	2.5	9	69	0.21	5	5	66	20	104
88SJB6904		3.93	0.1	10	180	0.5	1	7.29	0.25	26	135	45	5.08	5	1	0.86	5	2.77	918	0.5	0.58	70	2460	6	5	12	82	0.22	5	5	86	5	119
88SJB6905		3.57	0.1	10	170	0.25	1	8.35	0.25	27	141	39	4.69	5	0.5	0.73	5	2.68	910	0.5	0.60	70	2830	12	5	11	89	0.21	5	5	78	5	107
88SJB6907		2.99	0.1	15	140	0.25	1	8.15	0.25	25	113	31	4.10	5	1	0.53	5	2.44	808	0.5	0.33	53	1560	8	5	9	82	0.16	5	5	66	10	89
88SJB6908		3.38	0.1	2.5	170	0.25	1	7.48	0.25	25	120	41	4.47	5	0.5	0.78	5	2.65	836	0.5	0.25	61	1420	16	2.5	11	84	0.20	5	5	79	5	106
88SJB6909		3.17	0.1	2.5	170	0.25	1	8.70	0.25	23	127	40	4.22	5	0.5	0.70	5	2.62	823	0.5	0.27	53	1530	18	5	10	95	0.20	5	5	75	5	96
88SJB6910		3.30	0.1	2.5	170	0.25	1	10.35	0.25	27	147	45	4.39	5	0.5	0.77	5	2.87	822	0.5	0.31	63	1900	8	2.5	11	105	0.21	5	5	77	5	97
88SJB6911		3.37	0.1	5	170	0.25	1	9.26	0.25	26	141	45	4.44	5	3	0.75	5	2.78	852	0.5	0.27	65	1660	12	2.5	11	98	0.22	5	5	80	5	101
88SJB6912		3.36	0.1	10	180	0.25	1	8.86	0.25	26	139	44	4.49	5	0.5	0.78	5	2.81	856	0.5	0.29	62	1750	12	5	11	95	0.23	5	5	82	5	106
88SJB6913		3.08	0.1	15	160	0.25	2	8.43	0.25	24	125	43	4.10	5	0.5	0.66	5	2.50	751	0.5	0.28	55	1860	14	5	10	87	0.20	5	5	74	5	95
88SJB6914		3.05	0.1	10	130	0.25	2	8.82	0.25	28	145	40	4.21	5	0.5	0.60	5	2.81	797	0.5	0.57	69	3390	8	5	10	86	0.21	5	5	73	2.5	99
88SJB6915		3.02	0.1	2.5	140	0.25	4	8.81	0.25	26	134	36	4.14	5	0.5	0.60	5	2.76	774	0.5	0.58	61	3720	8	5	10	86	0.21	5	5	73	5	96
88SJB6916		2.92	0.1	5	140	0.25	2	9.11	0.25	27	121	32	4.03	5	0.5	0.59	5	2.75	782	0.5	0.63	60	4660	2	5	10	88	0.21	5	5	72	2.5	95
88SJB6917		3.66	0.1	2.5	130	0.25	1	8.87	0.25	38	142	39	5.37	5	0.5	0.53	5	3.18	1142	0.5	0.45	75	2440	8	2.5	14	83	0.19	5	5	131	5	100
88SJB7001		3.12	0.1	15	150	1	2	6.38	0.25	17	103	37	4.25	10	0.5	0.72	5	2.33	780	0.5	0.34	49	1380	14	5	9	68	0.21	5	5	69	20	110
88SJB7002		3.06	0.1	10	160	0.5	1	6.43	0.25	17	109	36	4.08	10	3	0.73	5	2.45	710	0.5	0.30	52	1200	14	5	10	74	0.22	5	5	69	20	104
88SJB7003		2.98	0.1	5	150	0.5	1	7.32	0.25	17	108	40	3.95	10	0.5	0.70	5	2.48	760	0.5	0.34	50	1400	16	2.5	9	79	0.22	5	5	68	20	102
88SJB7004		2.21	0.1	10	100	0.5	2	8.89	0.25	14	92	51	3.11	5	0.5	0.40	5	2.59	595	0.5	0.33	41	1740	10	2.5	8	83	0.18	5	5	55	10	74
88SJB7005		3.53	0.1	5	150	0.25	1	10.18	0.25	27	122	45	4.68	5	0.5	0.67	5	2.93	939	0.5	0.61	62	3140	18	10	14	105	0.19	5	5	76	5	105

Geochemical Results

Silt + clay sized fraction (<63μm)

Notes:

1) ***Detection*** refers to the lower limits of detection for the different elements. Values indicated as less than the limit are used to indicate that elements were not present in detectable concentrations for a sample.

2) ***Obs*** refers to whether or not a duplicate sample was submitted for analysis . If a "2" appears in this column, it indicates a duplicate or reanalysis.

3) The asterisk for detection limit of Se and W indicates that the limit was raised from 5 to 10 ppm from the 1987 to 1988 sample batches. The latter limit is indicated here.

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB0101				0.49	0.10	2.5	20	0.25	1	11.75	0.25	7	15	7	0.85	5	0.5	0.12	5	3.57	169	0.5	0.01	9	350	1	5	5	80	0.05	5	5	15	2.5	16	2.40
87SJB0102				1.06	0.10	5	60	0.5	1	11.40	0.25	9	31	14	1.48	5	0.5	0.27	5	3.34	303	0.5	0.03	17	450	2	2.5	5	99	0.08	5	5	26	2.5	30	3.10
87SJB0103				1.03	0.10	2.5	50	0.5	1	11.30	0.25	9	31	12	1.42	5	0.5	0.27	5	3.33	274	0.5	0.03	15	420	6	5	5	100	0.08	5	5	25	2.5	29	3.60
87SJB0104	4	1	2.5	0.47	0.10	2.5	30	0.25	1	11.50	0.25	5	18	37	0.73	5	0.5	0.14	5	3.87	159	1	0.02	8	300	1	2.5	5	93	0.04	5	5	13	2.5	18	4.10
87SJB0105				0.82	0.10	2.5	50	0.25	1	12.20	0.25	6	26	13	1.10	5	0.5	0.26	5	3.94	213	0.5	0.03	12	350	1	2.5	5	137	0.06	5	5	20	2.5	22	5.90
87SJB0106				1.01	0.10	2.5	50	0.5	1	11.90	0.25	9	29	12	1.39	5	0.5	0.27	5	3.49	271	0.5	0.03	14	430	1	2.5	5	135	0.08	5	5	25	2.5	28	7.80
87SJB0107				1.02	0.10	2.5	50	0.5	2	11.20	0.25	10	28	13	1.43	5	0.5	0.24	5	3.01	299	0.5	0.03	15	430	6	2.5	5	101	0.08	5	5	25	2.5	28	10.20
87SJB0108				1.03	0.10	2.5	50	0.5	2	11.30	0.25	9	29	13	1.43	5	1	0.26	5	3.25	286	0.5	0.03	15	430	4	2.5	5	115	0.08	5	5	25	2.5	27	12
87SJB0109				1.25	0.10	2.5	70	0.5	4	10.00	0.25	10	35	15	1.70	5	1	0.30	5	3.04	343	0.5	0.03	18	460	4	5	5	90	0.10	5	5	30	2.5	34	15.10
87SJB0110				1.34	0.10	2.5	70	0.5	1	9.92	0.25	10	39	17	1.85	5	0.5	0.31	5	2.98	350	0.5	0.04	20	490	4	2.5	5	91	0.10	5	5	32	2.5	39	19.70
87SJB0111				1.29	0.10	2.5	70	0.5	2	9.92	0.25	11	37	17	1.84	5	2	0.30	5	2.97	350	0.5	0.03	21	480	6	2.5	5	91	0.10	5	5	31	2.5	39	23.80
87SJB0112				1.31	0.10	5	70	0.5	1	9.59	0.25	11	37	17	1.82	5	0.5	0.30	5	2.85	344	0.5	0.03	21	470	6	2.5	5	89	0.10	5	5	31	2.5	45	27.90
87SJB0113				1.00	0.10	2.5	60	0.5	1	9.21	0.25	9	29	13	1.42	5	0.5	0.23	5	2.89	286	0.5	0.03	15	450	6	5	5	78	0.09	5	5	25	2.5	29	32.80
87SJB0114				2.50	0.10	2.5	140	0.25	1	7.66	0.25	14	64	30	3.20	5	1	0.56	5	2.20	526	0.5	0.06	36	450	10	2.5	5	116	0.16	5	5	58	2.5	70	36.40
87SJB0115	1	1	2.5	0.69	0.10	2.5	70	0.25	1	6.42	0.25	7	30	19	1.23	5	0.5	0.20	5	2.37	219	0.5	0.03	12	650	1	2.5	5	57	0.09	5	5	26	2.5	20	38.90
87SJB0203				0.86	0.10	2.5	40	0.5	2	11.15	0.25	8	25	12	1.31	5	1	0.18	5	3.05	279	0.5	0.02	13	430	1	2.5	5	80	0.07	5	5	23	2.5	25	14.6
87SJB0204				0.84	0.10	2.5	40	0.25	2	10.90	0.25	8	24	12	1.27	5	0.5	0.18	5	3.04	274	0.5	0.02	14	430	8	2.5	5	82	0.07	5	5	22	2.5	24	16
87SJB0205				0.83	0.10	2.5	50	0.25	1	11.90	0.25	8	24	12	1.18	5	0.5	0.17	5	3.00	289	0.5	0.02	13	430	4	2.5	5	96	0.08	5	5	22	2.5	23	17.70
87SJB0206				0.99	0.10	2.5	50	0.5	2	9.75	0.25	8	29	13	1.40	5	1	0.22	5	3.02	286	0.5	0.03	16	450	1	2.5	5	82	0.09	5	5	25	2.5	28	19.40
87SJB0207				1.14	0.10	2.5	60	0.5	2	9.94	0.25	8	32	15	1.59	5	1	0.26	5	3.02	313	0.5	0.03	17	450	1	2.5	5	88	0.09	5	5	28	2.5	33	22.40
87SJB0208				1.06	0.10	5	60	0.5	1	9.86	0.25	10	31	14	1.52	5	0.5	0.24	5	3.00	304	0.5	0.03	16	450	1	2.5	10	86	0.09	5	5	27	2.5	30	25.60
87SJB0209				1.12	0.10	2.5	60	0.5	2	9.78	0.25	9	31	14	1.54	5	0.5	0.26	5	2.96	305	0.5	0.03	17	440	8	2.5	5	86	0.09	5	5	27	2.5	31	29
87SJB0210				1.60	0.10	2.5	90	0.5	2	9.00	0.25	12	48	20	2.12	5	1	0.36	5	2.43	408	0.5	0.04	25	480	6	2.5	5	112	0.12	5	5	37	2.5	45	32.5
87SJB0211				0.48	0.10	2.5	30	0.25	2	7.57	0.25	6	17	7	0.82	5	0.5	0.10	5	2.55	188	0.5	0.02	9	480	1	2.5	5	62	0.07	5	5	16	2.5	14	34.70
87SJB0211				0.54	0.10	2.5	30	0.25	1	7.82	0.25	5	21	8	0.82	5	0.5	0.11	5	2.63	192	0.5	0.03	7	410	1	2.5	2	64	0.07	5	5	16	2.5	15	34.70
87SJB0212	4	1	2.5	0.67	0.10	2.5	50	0.25	1	6.95	0.25	5	28	11	0.98	5	0.5	0.15	5	2.62	213	0.5	0.03	11	440	2	2.5	5	64	0.08	5	5	21	2.5	18	38.30
87SJB0213	2	1	2.5	0.75	0.10	2.5	50	0.25	1	6.32	0.25	5	33	12	1.08	5	1	0.19	5	2.39	219	0.5	0.03	14	450	4	2.5	5	62	0.09	5	5	23	2.5	20	39.30
87SJB0214	1	1	2.5	0.98	0.10	2.5	70	0.25	1	6.33	0.25	6	38	14	1.27	5	0.5	0.21	5	2.38	249	0.5	0.03	17	450	1	2.5	5	70	0.10	5	5	27	2.5	23	41
87SJB0215	6	1	5	0.89	0.10	2.5	60	0.25	1	6.33	0.25	7	35	12	1.20	5	1	0.20	5	2.36	237	0.5	0.03	14	450	1	2.5	5	67	0.09	5	5	25	2.5	22	42.5
87SJB0216	6	1	2.5	0.93	0.10	2.5	70	0.25	1	6.50	0.25	6	36	13	1.24	5	0.5	0.20	5	2.46	247	0.5	0.03	14	460	1	2.5	5	69	0.10	5	5	26	2.5	23	43.4
87SJB0217	8	2	5	0.88	0.10	5	70	0.25	1	6.79	0.25	7	39	13	1.23	5	0.5	0.20	5	2.58	245	0.5	0.03	14	460	8	2.5	5	70	0.10	5	5	25	2.5	23	44
87SJB0301				0.54	0.10	2.5	20	0.25	2	10.65	0.25	6	15	8	0.86	5	1	0.09	5	3.18	186	0.5	0.01	6	390	2	2.5	5	67	0.06	5	5	16	2.5	14	1.10
87SJB0302				0.83	0.10	2.5	60	0.25	1	7.68	0.25	7	32	11	1.16	5	0.5	0.19	5	2.60	252	0.5	0.04	12	460	1	2.5	5	70	0.09	5	5	23	2.5	21	10.20
87SJB0304	2	2	5	0.78	0.10	2.5	50	0.25	1	7.87	0.25	6	39	11	1.17	5	0.5	0.18	5	2.70	248	1	0.04	13	420	2	2.5	5	72	0.08	5	5	21	2.5	20	12.60
87SJB0305				0.48	0.10	5	40	0.25	1	15.00	0.25	3	53	7	1.16	5	0.5	0.11	5	3.07	220	5	0.03	17	370	6	5	5	110	0.06	5	5	16	5	42	13.40
87SJB0305				0.50	0.10	2.5	30	0.25	1	15.00	0.25	6	64	17	1.25	5	0.5	0.12	5	2.79	219	5	0.03	14	350	2	2.5	5	113	0.05	5	5	17	2.5	42	16.5
87SJB0306	4	1	2.5	0.95	0.10	2.5	60	0.25	1	7.01	0.25	6	35	12	1.31	5	0.5	0.20	5	2.53	263	0.5	0.03	14	450	1	2.5	5	78	0.09	5	5	24	2.5	24	19.40
87SJB0307	2	1	2.5	0.71	0.10	2.5	60	0.25	1	6.11	0.25	7	31	11	1.07	5	1	0.16	5	2.27	221	0.5	0.02	12	440	1	2.5	5	60	0.09	5	5	22	2.5	19	21
87SJB0308				0.66	0.10	2.5	70	0.25	1	8.05	0.25	7	39	15	1.20	5	0.5	0.16	5	2.45	260	0.5	0.03	16	640	2	2.5	5	82	0.08	5	5	24	2.5	18	21.5
87SJB0309	1	1	2.5	0.47	0.10	2.5	40	0.25	1	7.46	0.25	5	22	10	0.89	5	0.5	0.10	5	2.44	209	0.5	0.02	9	550	1	2.5	5	67	0.07	5	5	19	2.5	12	23.30
87SJB0310	8	2	5	0.75	0.10	2.5	80	0.25	1	8.12	0.25	7	33	12	1.23	5	1	0.18	5	2.57	276	0.5	0.03	14	580	2	2.5	5	76	0.08	5	5	23	2.5	20	27.90
87SJB0311	8	2	5	1.05	0.10	2.5	110	0.25	1	8.11	0.25	8	60	21	1.62	5	0.5	0.26	5	2.41	287	1	0.03	22	480	4	2.5	5	74	0.10	5	5	32	2.5	35	30.40

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB0312	2	2	5	0.67	0.10	2.5	70	0.25	1	6.44	0.25	6	28	13	1.20	5	0.5	0.12	5	1.89	268	0.5	0.03	15	480	1	2.5	5	57	0.07	5	5	23	2.5	18	31.5
87SJB0313				1.32	0.10	2.5	110	0.25	1	6.16	0.25	9	51	22	1.80	5	0.5	0.24	5	1.70	308	1	0.16	21	520	1	2.5	5	103	0.11	5	5	45	2.5	23	33.40
87SJB0315	4	2	10	0.90	0.10	2.5	90	0.25	1	7.83	0.25	8	35	15	1.48	5	0.5	0.17	5	2.15	353	0.5	0.03	18	490	1	2.5	5	70	0.08	5	5	27	2.5	22	34.60
87SJB0404				0.91	0.10	2.5	50	0.25	1	10.95	0.25	6	28	11	1.16	5	0.5	0.26	5	3.60	231	0.5	0.03	12	380	1	2.5	5	92	0.07	5	5	21	2.5	22	12.5
87SJB0405				0.99	0.10	2.5	50	0.25	1	11.60	0.25	8	31	11	1.25	5	0.5	0.28	5	3.81	249	0.5	0.03	13	410	1	2.5	5	115	0.07	5	5	23	2.5	23	13.40
87SJB0406				0.57	0.10	5	30	0.25	1	12.05	0.25	7	18	10	0.99	5	1	0.11	5	3.32	244	0.5	0.02	11	400	1	2.5	5	97	0.06	5	5	17	2.5	18	16
87SJB0407	2	2	5	0.66	0.10	2.5	50	0.25	2	8.11	0.25	5	27	10	1.05	5	0.5	0.20	5	2.75	247	0.5	0.03	12	640	1	2.5	5	98	0.07	5	5	19	2.5	18	17.5
87SJB0408	8	2	5	0.77	0.10	2.5	60	0.25	2	7.08	0.25	6	37	13	1.19	5	0.5	0.18	5	2.45	248	0.5	0.04	15	490	1	2.5	5	75	0.08	5	5	22	2.5	21	23.60
87SJB0409	4	2	5	0.89	0.10	2.5	70	0.25	1	7.08	0.25	7	34	13	1.27	5	0.5	0.20	5	2.59	265	0.5	0.04	16	480	1	2.5	5	78	0.09	5	5	24	2.5	23	27
87SJB0410	2	2	10	0.63	0.10	2.5	50	0.25	1	6.96	0.25	6	26	10	1.02	5	1	0.15	5	2.63	234	0.5	0.03	12	530	1	2.5	5	68	0.07	5	5	19	2.5	17	31.5
87SJB0411				0.73	0.10	2.5	80	0.5	2	9.29	0.25	8	26	13	1.25	5	0.5	0.12	5	2.24	336	0.5	0.01	15	520	4	2.5	5	78	0.08	5	5	22	2.5	24	32.5
87SJB0412				0.20	1.80	2.5	1720	0.25	1	5.80	0.25	35	71	130	6.74	30	0.5	2.40	360	2.47	###	2	0.10	35	900	4	2.5	5	626	0.47	5	5	198	5	89	34.40
87SJB0504	6	1	5	0.74	0.10	10	30	0.25	1	12.40	0.25	7	21	12	1.05	5	0.5	0.15	5	3.62	264	0.5	0.02	9	400	1	2.5	5	88	0.07	5	5	20	2.5	19	17.80
87SJB0505	8	2	5	0.90	0.10	2.5	50	0.25	1	10.15	0.25	7	27	12	1.19	5	0.5	0.21	5	3.43	258	0.5	0.02	12	430	1	2.5	5	82	0.08	5	5	23	2.5	23	20
87SJB0506	2	2	5	0.88	0.10	2.5	50	0.25	1	9.69	0.25	6	28	11	1.17	5	0.5	0.20	5	3.24	251	0.5	0.03	14	400	1	2.5	5	81	0.08	5	5	22	2.5	22	23.30
87SJB0507				1.03	0.10	5	50	0.25	1	10.00	0.25	8	30	13	1.31	5	0.5	0.24	5	3.34	273	0.5	0.03	12	410	1	2.5	5	89	0.08	5	5	25	2.5	26	24.80
87SJB0508				1.01	0.10	2.5	50	0.25	1	10.05	0.25	7	30	13	1.30	5	0.5	0.24	5	3.37	273	0.5	0.03	14	410	1	2.5	5	90	0.08	5	5	24	2.5	26	27
87SJB0509				1.11	0.10	2.5	150	0.25	1	5.59	0.25	16	106	32	1.95	5	0.5	0.48	5	2.18	324	1	0.08	56	550	1	2.5	5	69	0.15	5	5	55	5	38	28.70
87SJB0510	12	2	5	0.91	0.10	2.5	80	0.25	1	5.35	0.25	7	50	18	1.41	5	0.5	0.22	5	2.05	264	0.5	0.03	21	510	4	2.5	5	64	0.10	5	5	30	2.5	26	32
87SJB0511				1.13	0.10	2.5	80	0.25	1	5.79	0.25	10	37	16	1.60	5	1	0.18	5	2.15	293	0.5	0.02	20	500	6	2.5	5	72	0.10	5	5	29	2.5	32	33.70
87SJB0601	12	2	5	0.90	0.10	2.5	40	0.25	1	11.30	0.25	7	26	10	1.11	5	0.5	0.25	5	3.56	221	0.5	0.03	13	340	1	2.5	5	86	0.06	5	5	20	2.5	23	1.10
87SJB0602				0.99	0.10	2.5	50	0.25	1	12.65	0.25	7	28	11	1.21	5	0.5	0.28	5	3.98	231	0.5	0.05	13	380	1	2.5	5	96	0.07	5	5	22	2.5	25	1.80
87SJB0603	12	2	5	0.85	0.10	2.5	40	0.25	1	11.80	0.25	7	25	11	1.12	5	0.5	0.23	5	3.67	231	0.5	0.03	13	370	1	2.5	5	90	0.06	5	5	20	2.5	23	2.30
87SJB0604				1.09	0.10	2.5	60	0.25	1	10.95	0.25	7	33	12	1.35	5	0.5	0.32	5	3.46	261	0.5	0.04	15	380	6	2.5	5	89	0.08	5	5	25	2.5	27	3.80
87SJB0605				1.28	0.10	2.5	70	0.25	1	10.95	0.25	8	40	15	1.61	5	0.5	0.36	5	3.51	304	0.5	0.04	17	450	2	2.5	5	92	0.10	5	5	29	2.5	33	4.90
87SJB0606				1.34	0.10	5	80	0.5	1	10.40	0.25	10	42	17	1.73	5	1	0.35	5	3.19	304	0.5	0.04	19	430	1	2.5	5	94	0.10	5	5	30	2.5	35	5.30
87SJB0609				0.44	0.10	2.5	20	0.25	1	9.41	0.25	6	15	8	0.75	5	0.5	0.08	5	3.10	206	0.5	0.01	6	340	1	2.5	5	62	0.05	5	5	14	2.5	13	20.30
87SJB0612				0.47	0.10	2.5	30	0.25	1	8.48	0.25	2	22	2	0.79	5	1	0.09	5	2.48	175	0.5	0.01	11	420	4	5	5	54	0.06	5	5	14	5	16	43.10
87SJB0612				0.32	0.10	2.5	10	0.25	1	7.97	0.25	5	12	5	0.64	5	0.5	0.05	5	2.73	153	0.5	0.01	5	350	1	2.5	5	52	0.05	5	5	13	2.5	10	43.10
87SJB0614				0.32	0.10	2.5	10	0.25	1	8.88	0.25	2	16	2	0.63	5	0.5	0.04	5	3.02	145	0.5	0.01	3	410	2	5	10	51	0.06	5	5	12	5	10	57.20
87SJB0614				0.26	0.10	2.5	10	0.25	1	7.96	0.25	5	10	4	0.55	5	0.5	0.04	5	2.77	136	0.5	0.01	4	350	1	2.5	10	52	0.05	5	5	11	2.5	7	65.40
87SJB0615				0.28	0.10	2.5	10	0.25	1	8.64	0.25	4	11	5	0.59	5	0.5	0.05	5	3.02	146	0.5	0.01	4	360	1	2.5	5	58	0.05	5	5	12	2.5	8	72.40
87SJB0616				0.76	0.10	2.5	40	0.25	1	9.14	0.25	7	23	11	1.10	5	0.5	0.17	5	3.09	235	0.5	0.02	10	380	1	2.5	5	79	0.07	5	5	20	2.5	20	75.40
87SJB0617				1.10	0.10	5	70	0.25	1	10.00	0.25	8	36	17	1.50	5	0.5	0.25	5	2.91	320	0.5	0.03	16	400	1	2.5	5	101	0.09	5	5	28	2.5	30	81.40
87SJB0618				1.10	0.10	2.5	80	0.25	1	7.77	0.25	8	36	14	1.53	5	0.5	0.26	5	2.37	291	0.5	0.04	16	390	1	2.5	5	87	0.09	5	5	28	5	30	82
87SJB0701				0.77	0.10	2.5	30	0.25	1	11.60	0.25	7	23	12	1.18	5	0.5	0.12	5	2.78	296	0.5	0.02	11	430	2	2.5	10	84	0.07	5	5	21	2.5	21	4.70
87SJB0802				1.00	0.10	2.5	50	0.25	1	11.10	0.25	8	33	12	1.32	5	2	0.22	5	3.49	249	0.5	0.03	16	390	1	2.5	5	82	0.08	5	5	23	2.5	24	1.10
87SJB0801				1.02	0.10	2.5	50	0.25	1	10.75	0.25	7	30	12	1.34	5	0.5	0.26	5	3.39	223	0.5	0.03	15	400	1	5	5	82	0.08	5	5	24	2.5	25	2.30
87SJB0803				0.94	0.10	2.5	50	0.25	1	10.65	0.25	8	30	13	1.31	5	0.5	0.25	5	3.33	254	0.5	0.03	14	390	1	2.5	10	121	0.08	5	5	23	2.5	25	5.60

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB0804				0.96	0.10	2.5	50	0.25	1	10.45	0.25	8	31	13	1.35	5	0.5	0.25	5	3.24	264	0.5	0.03	12	390	4	2.5	5	125	0.08	5	5	24	2.5	25	9
87SJB0805				0.77	0.10	2.5	40	0.25	1	10.20	0.25	7	25	12	1.25	5	0.5	0.17	5	2.97	259	0.5	0.03	11	430	1	2.5	5	94	0.07	5	5	22	2.5	21	11.70
87SJB0806				0.74	0.10	2.5	40	0.25	2	9.93	0.25	7	22	11	1.10	5	0.5	0.16	5	2.90	241	0.5	0.02	10	370	2	2.5	5	91	0.07	5	5	20	2.5	19	15.10
87SJB0807				0.87	0.10	2.5	50	0.25	1	10.20	0.25	7	26	12	1.25	5	0.5	0.19	5	2.93	265	0.5	0.03	12	390	2	2.5	5	97	0.07	5	5	22	2.5	22	17.20
87SJB0808				0.95	0.10	2.5	50	0.25	1	9.03	0.25	8	29	13	1.30	5	0.5	0.21	5	2.90	270	0.5	0.03	13	390	2	2.5	10	82	0.08	5	5	24	2.5	25	22.10
87SJB0809				1.53	0.10	2.5	90	0.25	1	9.53	0.25	7	44	19	1.95	5	0.5	0.35	5	2.73	369	0.5	0.04	21	430	4	2.5	5	102	0.11	5	5	35	2.5	39	27
87SJB0810				1.81	0.10	2.5	110	0.25	1	8.51	0.25	11	54	24	2.27	5	0.5	0.42	5	2.45	407	0.5	0.05	25	440	1	5	5	114	0.13	5	5	40	2.5	48	30.30
87SJB0811				0.66	0.10	2.5	40	0.25	1	10.01	0.25	3	33	7	1.09	5	1	0.12	5	3.66	255	0.5	0.03	12	600	2	5	3	75	0.10	5	5	21	5	20	33.40
87SJB0811	2	1	2.5	0.35	0.10	2.5	20	0.25	1	6.49	0.25	5	15	7	0.67	5	0.5	0.07	5	2.39	156	0.5	0.02	7	420	1	2.5	5	51	0.05	5	5	13	2.5	11	33.40
87SJB0812	1	1	2.5	0.39	0.10	2.5	30	0.25	2	7.56	0.25	6	16	7	0.74	5	0.5	0.07	5	2.65	180	0.5	0.02	8	430	1	2.5	5	57	0.06	5	5	14	2.5	12	37.60
87SJB0813	2	1	2.5	0.51	0.10	2.5	80	0.25	1	6.76	0.25	8	46	17	1.06	5	0.5	0.23	5	2.55	184	0.5	0.04	23	600	2	2.5	5	52	0.09	5	5	24	2.5	17	39.20
87SJB0813				0.63	0.10	2.5	80	0.25	1	7.43	0.25	6	59	13	1.18	5	1	0.25	5	2.89	200	1	0.05	23	650	4	5	4	56	0.13	5	5	27	5	22	39.20
87SJB0901				1.68	0.10	2.5	90	0.5	1	8.77	0.25	13	50	21	2.30	5	0.5	0.36	5	2.54	430	0.5	0.03	25	460	4	2.5	5	72	0.12	5	5	38	2.5	46	1.40
87SJB0902				1.66	0.10	2.5	100	1	2	9.19	0.25	13	47	24	2.33	5	1	0.39	5	2.68	409	0.5	0.03	27	500	6	2.5	5	85	0.11	5	5	38	2.5	51	3.20
87SJB0903				1.63	0.10	2.5	90	0.25	1	8.09	0.25	9	47	21	2.13	5	0.5	0.38	5	2.49	375	0.5	0.04	24	410	6	2.5	5	89	0.11	5	5	36	2.5	43	4.30
87SJB0904				1.83	0.10	2.5	110	0.25	2	8.00	0.25	13	57	25	2.47	5	0.5	0.43	5	2.48	427	0.5	0.05	29	440	2	2.5	5	96	0.12	5	5	41	2.5	51	7.80
87SJB1001				1.37	0.10	2.5	70	0.5	1	10.60	0.25	10	39	17	1.87	5	1	0.31	5	2.98	300	0.5	0.03	20	440	1	2.5	5	82	0.10	5	5	31	2.5	38	2.30
87SJB1002				1.56	0.10	2.5	90	0.25	2	8.65	0.25	7	45	20	2.01	5	0.5	0.35	5	2.62	345	0.5	0.03	21	420	1	2.5	5	83	0.11	5	5	35	2.5	41	3.70
87SJB1003				0.85	0.10	2.5	60	0.25	1	9.76	0.25	8	30	15	1.21	5	1	0.19	5	2.91	290	0.5	0.03	14	400	1	2.5	5	84	0.09	5	5	23	2.5	24	5
87SJB1101				1.75	0.10	2.5	100	0.25	1	8.02	0.25	12	51	22	2.26	5	0.5	0.39	5	2.43	410	0.5	0.03	25	410	6	2.5	5	80	0.11	5	5	38	2.5	45	1.10
87SJB1102				1.75	0.10	2.5	100	0.25	1	8.01	0.25	12	51	23	2.39	5	0.5	0.40	5	2.49	382	0.5	0.04	24	460	2	2.5	5	84	0.11	5	5	39	2.5	45	2.10
87SJB1103				1.75	0.10	2.5	100	0.25	1	8.08	0.25	12	49	21	2.23	5	0.5	0.42	5	2.56	386	0.5	0.04	24	440	2	2.5	5	88	0.12	5	5	39	2.5	44	2.80
87SJB1104				1.52	0.10	2.5	80	0.25	1	8.93	0.25	7	44	20	1.93	5	0.5	0.34	5	2.45	382	0.5	0.04	21	410	2	2.5	5	93	0.11	5	5	35	2.5	39	6.90
87SJB1105	2	2	5	0.53	0.10	2.5	40	0.25	4	8.15	0.25	6	20	9	0.96	5	1	0.12	5	2.32	210	0.5	0.02	10	460	1	2.5	5	62	0.07	5	5	19	2.5	17	10.20
87SJB1106				0.41	0.10	2.5	30	0.25	1	7.98	0.25	3	26	4	0.79	5	1	0.08	5	2.48	170	0.5	0.02	6	520	6	5	2	54	0.07	5	5	15	5	14	14.30
87SJB1106	6	2	2.5	0.36	0.10	5	20	0.25	2	7.56	0.25	6	17	6	0.73	5	0.5	0.07	5	2.44	165	0.5	0.02	8	490	1	2.5	5	53	0.06	5	5	14	2.5	12	14.30
87SJB1107				0.53	0.10	2.5	30	0.25	1	8.75	0.25	3	25	4	0.84	5	1	0.10	5	2.73	190	0.5	0.02	10	420	1	5	2	61	0.08	5	5	16	5	16	14.80
87SJB1107	2	1	2.5	0.47	0.10	2.5	30	0.25	1	8.55	0.25	6	18	7	0.82	5	0.5	0.10	5	2.69	195	0.5	0.02	9	430	1	5	5	63	0.07	5	5	16	2.5	13	14.80
87SJB1108	6	1	5	0.51	0.10	2.5	30	0.25	1	7.47	0.25	6	19	7	0.87	5	0.5	0.11	5	2.42	193	0.5	0.02	8	460	6	2.5	5	61	0.07	5	5	16	2.5	15	17.80
87SJB1108				1.08	0.10	2.5	60	0.25	1	11.72	0.25	5	44	8	1.43	5	0.5	0.26	5	2.07	310	0.5	0.04	16	400	6	5	4	87	0.10	5	5	25	5	38	17.80
87SJB1109	4	2	5	0.56	0.10	2.5	40	0.25	2	9.26	0.25	8	34	11	1.12	5	1	0.14	5	2.49	219	1	0.03	14	480	2	2.5	5	72	0.07	5	5	20	2.5	18	23
87SJB1110				0.52	0.10	2.5	30	0.25	2	7.84	0.25	4	34	6	0.92	5	0.5	0.11	5	1.93	170	1	0.03	11	480	6	5	2	58	0.07	5	5	17	5	16	24.20
87SJB1110	4	2	5	0.47	0.10	2.5	30	0.25	1	7.39	0.25	6	26	8	0.88	5	0.5	0.11	5	2.31	178	1	0.03	10	420	1	2.5	5	60	0.06	5	5	16	5	13	24.20
87SJB1111				0.58	0.10	2.5	50	0.25	1	12.82	0.25	5	59	12	1.18	5	0.5	0.14	5	2.74	255	1	0.03	17	450	1	5	2	89	0.08	5	5	21	5	22	27.90
87SJB1111	12	4	20	0.53	0.10	2.5	50	0.25	1	11.00	0.25	8	41	13	1.09	5	0.5	0.14	5	2.49	234	1	0.03	14	430	1	2.5	10	86	0.07	5	5	21	5	16	27.90
87SJB1112	4	2	2.5	0.55	0.10	2.5	40	0.25	1	7.16	0.25	6	33	11	1.01	5	0.5	0.13	5	2.17	199	1	0.03	11	410	1	2.5	5	64	0.06	5	5	18	5	16	28.80
87SJB1112				0.73	0.10	2.5	50	0.25	1	7.97	0.25	5	52	8	1.18	5	0.5	0.15	5	2.08	220	0.5	0.03	17	490	1	5	3	68	0.09	5	5	22	5	22	28.80
87SJB1113	4	2	2.5	0.64	0.10	2.5	50	0.25	1	6.29	0.25	8	31	15	1.21	5	0.5	0.17	5	2.11	210	0.5	0.03	13	450	1	2.5	5	59	0.09	5	5	31	5	19	32.5
87SJB1114	2	4	2.5	0.59	0.10	2.5	50	0.25	1	7.16	0.25	7	35	10	1.06	5	0.5	0.13	5	2.48	237	0.5	0.03	12	490	1	2.5	5	64	0.07	5	5	20	5	16	35.20
87SJB1115				0.70	0.10	2.5	50	0.25	1	5.79	0.25	10	71	13	1.53	5	1	0.15	5	1.65	230	0.5	0.05	22	490	4	5	3	54	0.09	5	5	25	10	20	36.40
87SJB1115	2	4	5	0.55	0.10	2.5	40	0.25	1	5.92	0.25	31	31	12	1.00	5	0.5	0.12	5	2.08	212	0.5	0.04	12	390	1	2.5	5	54	0.07	5	5	20	5	15	36.40

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB1116	4	2	5	0.90	0.10	2.5	70	0.25	1	6.15	0.25	7	46	14	1.62	5	0.5	0.24	5	2.04	263	1	0.06	15	520	1	2.5	5	61	0.10	5	5	27	5	27	37.30
87SJB1117	2	2	5	0.82	0.10	2.5	70	0.5	1	6.52	0.25	8	43	14	1.31	5	0.5	0.20	5	2.09	235	1	0.03	16	430	2	2.5	5	62	0.09	5	5	25	5	21	37.90
87SJB1118	2	1	2.5	0.94	0.10	2.5	60	0.25	1	7.45	0.25	8	45	15	1.40	5	0.5	0.22	5	2.28	263	1	0.04	16	450	2	2.5	5	71	0.09	5	5	26	5	23	39.60
87SJB1119	8	1	2.5	0.94	0.10	2.5	90	0.25	1	6.19	0.25	8	40	15	1.40	5	0.5	0.25	5	2.20	258	0.5	0.03	17	460	1	2.5	5	61	0.10	5	5	29	2.5	25	40.80
87SJB1120	2	1	2.5	0.93	0.10	2.5	80	0.25	1	6.20	0.25	8	43	15	1.43	5	0.5	0.24	5	2.17	259	0.5	0.03	17	450	1	2.5	5	61	0.10	5	5	29	2.5	25	41.60
87SJB1201				0.71	0.10	2.5	30	0.25	1	11.60	0.25	6	20	10	0.98	5	0.5	0.12	5	3.02	202	0.5	0.02	8	360	1	2.5	10	84	0.07	5	5	19	2.5	16	0.80
87SJB1206	4	1	2.5	0.72	0.10	2.5	40	0.25	1	9.45	0.25	8	24	11	1.10	5	0.5	0.17	5	3.25	241	0.5	0.02	11	390	1	2.5	10	69	0.07	5	5	20	2.5	20	19.5
87SJB1207				0.94	0.10	2.5	60	0.5	1	9.04	0.25	7	30	20	1.52	5	0.5	0.24	5	3.00	285	0.5	0.03	16	420	1	2.5	10	82	0.11	5	5	29	2.5	27	21.10
87SJB1208	2	2	5	1.06	0.10	2.5	60	0.25	2	8.95	0.25	8	42	17	1.55	5	0.5	0.26	5	2.89	286	0.5	0.03	17	410	1	2.5	10	83	0.09	5	5	27	2.5	27	23.30
87SJB1209				1.01	0.10	2.5	60	0.25	2	8.83	0.25	8	47	18	1.53	5	0.5	0.24	5	2.86	280	1	0.03	16	400	1	2.5	10	82	0.08	5	5	26	2.5	28	24.5
87SJB1211	6	1	2.5	0.42	0.10	2.5	30	0.25	1	7.25	0.25	5	18	7	0.72	5	0.5	0.08	5	2.59	165	0.5	0.02	8	410	2	2.5	5	56	0.06	5	5	14	2.5	11	26.40
87SJB1212	4	1	2.5	0.74	0.10	2.5	50	0.25	1	7.79	0.25	7	36	10	1.14	5	0.5	0.18	5	2.62	231	0.5	0.03	12	400	1	2.5	5	66	0.09	5	5	22	2.5	19	27.90
87SJB1213	4	1	2.5	0.76	0.10	2.5	60	0.25	1	6.67	0.25	6	33	11	1.11	5	0.5	0.17	5	2.24	226	1	0.03	12	380	1	2.5	5	59	0.08	5	5	20	2.5	18	29.20
87SJB1301				0.57	0.10	2.5	30	0.25	1	12.05	0.25	6	17	8	0.86	5	0.5	0.11	5	3.06	181	0.5	0.02	7	320	1	2.5	5	87	0.06	5	5	16	2.5	15	1.40
87SJB1302				0.88	0.10	2.5	40	0.25	1	10.90	0.25	7	26	12	1.45	5	0.5	0.18	5	2.99	245	0.5	0.02	11	430	1	2.5	5	81	0.08	5	5	23	2.5	23	2
87SJB1303				0.30	0.10	2.5	10	0.25	1	9.56	0.25	4	10	5	0.56	5	0.5	0.06	5	3.07	153	0.5	0.01	5	340	1	2.5	5	62	0.05	5	5	11	2.5	9	2.60
87SJB1304	1	1	2.5	0.53	0.10	2.5	30	0.25	1	9.43	0.25	6	18	8	0.85	5	0.5	0.12	5	3.12	201	0.5	0.02	7	370	1	2.5	5	66	0.06	5	5	16	2.5	14	4.40
87SJB1305	2	2	10	0.72	0.10	2.5	40	0.25	1	9.59	0.25	6	23	11	1.05	5	0.5	0.18	5	3.41	233	0.5	0.02	10	400	1	2.5	5	72	0.07	5	5	19	2.5	19	6.40
87SJB1306	1	1	2.5	0.72	0.10	2.5	40	0.25	1	9.76	0.25	7	25	10	1.07	5	0.5	0.19	5	3.46	234	0.5	0.02	11	400	1	2.5	10	77	0.07	5	5	19	2.5	18	8.5
87SJB1307	1	1	2.5	0.72	0.10	2.5	40	0.25	1	9.42	0.25	7	24	11	1.09	5	1	0.18	5	3.30	234	0.5	0.02	10	410	1	2.5	10	77	0.07	5	5	20	2.5	20	10.10
87SJB1308	1	1	2.5	0.78	0.10	2.5	60	0.25	1	9.10	0.25	7	37	13	1.28	5	0.5	0.17	5	2.51	249	0.5	0.02	14	420	2	2.5	5	81	0.07	5	5	23	2.5	21	11.10
87SJB1309				0.44	0.10	2.5	50	0.5	2	10.90	0.25	8	39	17	1.23	5	0.5	0.10	5	1.28	228	1	0.02	16	310	2	2.5	5	107	0.06	5	5	49	5	24	13.30
87SJB1310				0.74	0.10	2.5	100	0.25	1	5.95	0.25	7	79	18	1.76	5	0.5	0.28	5	1.33	268	4	0.04	21	420	4	2.5	5	59	0.10	5	5	30	2.5	24	15.70
87SJB1312	2	2	5	0.97	0.10	2.5	90	0.25	1	7.10	0.25	8	44	26	1.44	5	0.5	0.23	5	2.21	300	0.5	0.02	20	470	1	2.5	5	68	0.10	5	5	29	2.5	32	17.20
87SJB1313	8	2	5	0.98	0.10	2.5	90	0.25	1	6.99	0.25	8	39	15	1.43	5	0.5	0.22	5	1.84	281	0.5	0.03	16	460	1	2.5	5	69	0.09	5	5	27	2.5	23	20.30
87SJB1314	1	1	2.5	1.14	0.10	2.5	100	0.25	2	7.19	0.25	7	45	23	1.75	5	0.5	0.26	5	1.93	308	0.5	0.03	19	520	2	2.5	5	73	0.12	5	5	45	2.5	26	21.5
87SJB1315	2	2	5	1.00	0.10	2.5	90	0.25	1	6.56	0.25	8	36	15	1.42	5	0.5	0.22	5	1.86	275	0.5	0.02	17	480	2	2.5	5	65	0.10	5	5	28	2.5	23	23.60
87SJB1316	2	2	5	1.12	0.10	5	100	0.25	1	7.21	0.25	7	40	17	1.58	5.	0.5	0.24	5	2.02	303	0.5	0.03	19	540	6	2.5	5	71	0.11	5	5	31	2.5	27	24.20
87SJB1317	2	1	5	0.98	0.10	2.5	90	0.25	1	6.96	0.25	8	37	15	1.46	5	0.5	0.22	5	1.92	285	0.5	0.02	16	530	1	2.5	5	65	0.10	5	5	29	2.5	23	25.5
87SJB1319	1	1	5	0.81	0.10	2.5	80	0.25	1	7.52	0.25	8	35	13	1.37	5	0.5	0.17	5	1.83	295	0.5	0.03	15	530	4	2.5	10	67	0.08	5	5	25	2.5	21	29.90
87SJB1320	2	2	5	0.73	0.10	2.5	70	0.25	1	6.09	0.25	7	39	12	1.23	5	0.5	0.14	5	1.69	242	0.5	0.02	13	510	1	2.5	5	57	0.08	5	5	23	2.5	17	31.20
87SJB1321				0.90	0.10	2.5	80	0.5	2	5.76	0.25	8	54	20	1.52	5	0.5	0.19	5	1.49	267	0.5	0.06	18	490	1	2.5	10	65	0.10	5	5	29	2.5	22	33.70
87SJB1401				1.19	0.10	2.5	60	0.25	1	8.69	0.25	8	36	16	1.63	5	0.5	0.26	5	2.72	279	0.5	0.03	17	390	2	2.5	5	74	0.09	5	5	28	2.5	32	2.30
87SJB1402				1.08	0.10	2.5	60	0.25	1	9.50	0.25	8	33	15	1.51	5	0.5	0.24	5	2.97	287	0.5	0.03	15	400	2	2.5	5	89	0.09	5	5	26	2.5	29	4.40
87SJB1403				1.06	0.10	2.5	60	0.25	1	8.69	0.25	8	32	15	1.46	5	0.5	0.23	5	2.66	297	0.5	0.03	15	400	2	2.5	5	83	0.09	5	5	26	2.5	29	9
87SJB1404				1.40	0.10	2.5	80	0.25	1	8.79	0.25	7	42	21	1.86	5	0.5	0.30	5	2.56	353	0.5	0.03	21	410	10	2.5	5	80	0.10	5	5	33	2.5	39	11.10
87SJB1501				0.97	0.10	5	60	0.25	1	8.87	0.25	8	32	17	1.33	5	0.5	0.22	5	2.88	289	0.5	0.02	15	420	1	2.5	5	68	0.08	5	5	25	2.5	26	2
87SJB1502				0.37	0.10	2.5	20	0.25	1	9.55	0.25	5	14	7	0.67	5	0.5	0.07	5	3.22	187	0.5	0.01	6	340	1	2.5	5	64	0.06	5	5	13	2.5	11	4.40
87SJB1503				0.31	0.10	2.5	20	0.25	1	8.67	0.25	5	13	6	0.61	5	0.5	0.06	5	3.19	167	0.5	0.01	5	320	2	2.5	5	57	0.05	5	5	11	2.5	9	8.10
87SJB1503				0.34	0.10	2.5	20	0.25	2	10.30	0.25	5	14	7	0.66	5	0.5	0.07	5	3.58	185	0.5	0.01	7	360	1	2.5	2	61	0.05	5	5	13	2.5	10	8.10

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB1504				0.30	0.10	2.5	10	0.25	2	7.54	0.25	4	12	6	0.59	5	0.5	0.05	5	2.68	147	0.5	0.01	4	350	1	2.5	5	51	0.05	5	5	11	2.5	9	8.80
87SJB1504				0.35	0.10	2.5	20	0.25	1	8.86	0.25	5	14	6	0.62	5	0.5	0.06	5	2.97	161	0.5	0.02	6	380	1	2.5	2	55	0.05	5	5	12	2.5	10	8.80
87SJB1604	4	2	5	1.02	0.10	2.5	70	0.25	1	6.94	0.25	8	38	14	1.42	5	0.5	0.20	5	2.37	279	0.5	0.04	14	410	1	2.5	10	79	0.09	5	5	26	2.5	26	6.90
87SJB1605				0.95	0.10	2.5	50	0.25	1	9.31	0.25	7	27	13	1.31	5	0.5	0.21	5	2.82	257	0.5	0.02	13	370	2	2.5	5	83	0.08	5	5	23	2.5	25	8.70
87SJB1606				1.63	0.10	2.5	90	0.25	1	8.09	0.25	9	46	22	2.08	5	0.5	0.38	5	2.70	359	0.5	0.04	20	400	1	2.5	5	98	0.11	5	5	36	2.5	43	14.20
87SJB1607				0.60	0.10	2.5	30	0.25	1	9.92	0.25	6	19	10	0.90	5	0.5	0.13	5	3.26	225	0.5	0.02	10	340	2	2.5	5	81	0.07	5	5	17	2.5	16	15.80
87SJB1608	4	1	2.5	0.99	0.10	2.5	60	0.25	1	6.72	0.25	8	36	15	1.38	5	0.5	0.19	5	2.39	273	0.5	0.03	16	420	4	2.5	5	75	0.09	5	5	26	2.5	25	17.70
87SJB1609	4	1	5	1.04	0.10	2.5	70	0.25	1	7.13	0.25	8	37	14	1.45	5	0.5	0.19	5	2.53	288	0.5	0.03	17	450	1	2.5	5	78	0.10	5	5	27	2.5	27	18.70
87SJB1610	4	1	2.5	0.98	0.10	2.5	60	0.5	1	6.64	0.25	8	36	15	1.36	5	0.5	0.18	5	2.37	270	0.5	0.03	15	410	1	2.5	5	75	0.09	5	5	26	2.5	25	19.70
87SJB1611				1.08	0.10	2.5	70	0.25	1	7.14	0.25	8	37	14	1.47	5	0.5	0.20	5	2.54	291	0.5	0.04	16	430	1	2.5	5	80	0.10	5	5	28	2.5	29	20.90
87SJB1612	4	1	2.5	1.21	0.10	2.5	80	0.25	1	6.61	0.25	7	41	16	1.61	5	0.5	0.23	5	2.36	310	0.5	0.04	19	440	4	2.5	5	79	0.10	5	5	30	2.5	30	21.80
87SJB1613	4	1	15	1.19	0.10	2.5	90	0.5	1	6.65	0.25	7	41	16	1.60	5	0.5	0.22	5	2.40	303	0.5	0.04	17	450	2	2.5	10	79	0.10	5	5	29	2.5	30	22.40
87SJB1614				1.18	0.10	2.5	100	0.25	1	6.25	0.25	7	42	16	1.60	5	0.5	0.22	5	2.28	303	0.5	0.04	17	420	2	2.5	5	76	0.10	5	5	29	2.5	30	23.60
87SJB1615				0.79	0.10	2.5	100	0.25	1	5.47	0.25	8	39	24	1.27	5	0.5	0.21	5	1.81	303	0.5	0.02	20	710	1	2.5	10	60	0.09	5	5	26	2.5	21	24.5
87SJB1701				1.57	0.10	2.5	70	0.25	1	7.14	0.25	7	40	19	1.94	5	1	0.25	5	2.96	339	0.5	0.02	18	450	2	2.5	5	58	0.10	5	5	33	2.5	33	1.20
87SJB1702				1.64	0.10	2.5	90	0.25	1	8.98	0.25	12	46	21	2.15	5	0.5	0.39	5	2.78	400	0.5	0.04	23	420	6	2.5	5	90	0.11	5	5	36	2.5	44	5
87SJB1703				1.69	0.10	2.5	90	0.25	1	9.64	0.25	12	47	22	2.16	5	0.5	0.41	5	2.94	408	0.5	0.04	22	430	2	2.5	10	95	0.11	5	5	37	2.5	44	10.20
87SJB1704				1.16	0.10	2.5	60	0.25	1	12.20	0.25	7	33	17	1.51	5	0.5	0.26	5	3.10	404	0.5	0.03	15	440	4	2.5	5	103	0.10	5	5	28	2.5	30	13.30
87SJB1705				0.80	0.10	2.5	40	0.25	1	10.35	0.25	8	25	12	1.15	5	0.5	0.17	5	3.03	287	0.5	0.03	12	430	1	2.5	10	84	0.08	5	5	22	2.5	22	17.80
87SJB1801	2	2	5	1.27	0.10	2.5	60	0.25	1	9.12	0.25	8	35	16	1.65	5	0.5	0.27	5	3.03	336	0.5	0.02	17	400	1	2.5	5	69	0.09	5	5	29	2.5	31	2
87SJB1802				1.24	0.10	2.5	60	0.5	1	9.71	0.25	8	35	16	1.61	5	1	0.29	5	3.13	309	0.5	0.02	16	420	8	2.5	10	74	0.09	5	5	29	2.5	31	2.30
87SJB1803				1.70	0.10	2.5	90	0.25	1	9.23	0.25	12	47	22	2.21	5	0.5	0.39	5	2.86	392	0.5	0.03	24	460	2	2.5	5	79	0.11	5	5	37	2.5	45	3.5
87SJB1804				0.26	0.10	2.5	10	0.25	1	6.30	0.25	4	12	5	0.58	5	0.5	0.04	5	2.18	123	0.5	0.01	6	490	1	2.5	10	44	0.05	5	5	12	2.5	8	4.80
87SJB1804				0.27	0.10	2.5	10	0.25	1	7.46	0.25	5	14	5	0.59	5	0.5	0.04	5	2.55	130	0.5	0.01	5	530	1	2.5	1	47	0.05	5	5	13	2.5	8	4.80
87SJB1811	8	2	5	0.68	0.10	5	50	0.25	1	6.42	0.25	6	29	13	1.08	5	0.5	0.18	5	2.35	216	0.5	0.03	13	500	1	2.5	5	55	0.09	5	5	22	2.5	18	23.30
87SJB1812	4	1	2.5	0.70	0.10	2.5	60	0.25	1	6.28	0.25	6	27	13	1.05	5	1	0.19	5	2.19	205	5	0.03	12	430	1	2.5	5	55	0.08	5	5	20	2.5	18	25.10
87SJB1813	4	1	2.5	0.90	0.10	2.5	70	0.25	1	6.65	0.25	8	40	15	1.42	5	0.5	0.25	5	2.26	293	0.5	0.04	16	500	1	2.5	5	59	0.10	5	5	27	2.5	26	26.40
87SJB1814	8	8	5	1.06	0.10	5	90	0.25	1	5.21	0.25	7	38	17	1.48	5	0.5	0.25	5	1.62	291	0.5	0.03	17	490	2	2.5	5	59	0.10	5	5	27	2.5	26	29.60
87SJB1815	2	1	2.5	1.10	0.10	2.5	90	0.5	1	5.17	0.25	7	44	18	1.56	5	0.5	0.25	5	1.61	295	0.5	0.04	19	490	1	2.5	5	61	0.10	5	5	27	2.5	27	31.20
87SJB1816	2	1	2.5	1.20	0.10	2.5	100	0.5	1	5.55	0.25	7	54	20	1.74	5	0.5	0.28	5	1.72	324	1	0.04	22	550	6	2.5	5	68	0.11	5	5	33	2.5	29	33.70
87SJB1817	2	2	5	1.19	0.10	2.5	100	0.25	2	5.82	0.25	7	41	19	1.61	5	0.5	0.27	5	1.78	322	0.5	0.03	21	510	1	2.5	5	68	0.11	5	5	31	2.5	29	34.90
87SJB1901				1.75	0.10	2.5	90	0.25	2	8.01	0.25	11	47	20	2.15	5	0.5	0.30	5	2.79	351	0.5	0.03	23	450	6	2.5	10	65	0.12	5	5	37	2.5	43	1.40
87SJB1902				1.28	0.10	2.5	70	0.25	1	10.35	0.25	7	36	18	1.75	5	0.5	0.28	5	3.24	310	0.5	0.03	18	430	2	2.5	10	76	0.10	5	5	30	2.5	35	1.80
87SJB1903	1	1	2.5	0.99	0.10	2.5	70	0.25	1	8.16	0.25	8	36	17	1.40	5	0.5	0.24	5	2.79	272	0.5	0.03	17	480	1	2.5	10	64	0.10	5	5	27	2.5	27	2.90
87SJB1907	2	2	5	0.85	0.10	2.5	70	0.25	1	6.07	0.25	8	42	19	1.31	5	0.5	0.23	5	2.22	272	0.5	0.04	18	490	1	2.5	5	54	0.11	5	5	28	2.5	25	15.70
87SJB1908	4	1	2.5	0.91	0.10	2.5	90	0.25	1	6.10	0.25	7	44	26	1.49	5	0.5	0.25	5	2.27	302	0.5	0.05	20	490	1	2.5	5	59	0.12	5	5	41	2.5	27	17
87SJB1909	1	1	2.5	0.94	0.10	2.5	90	0.25	1	5.59	0.25	8	44	23	1.42	5	0.5	0.24	5	2.12	297	0.5	0.04	20	580	2	2.5	5	60	0.11	5	5	31	2.5	29	19.40
87SJB1910	2	1	2.5	1.00	0.10	2.5	90	0.25	1	6.65	0.25	8	43	19	1.45	5	0.5	0.25	5	2.30	274	0.5	0.04	17	520	1	2.5	5	66	0.10	5	5	29	2.5	28	22.10
87SJB1911	4	1	2.5	0.53	0.10	2.5	30	0.25	1	9.14	0.25	5	18	8	0.86	5	0.5	0.10	5	2.79	200	0.5	0.02	8	390	2	2.5	10	70	0.06	5	5	16	2.5	13	24.30
87SJB1912	1	1	2.5	0.92	0.10	2.5	60	0.25	1	9.51	0.25	8	32	12	1.28	5	0.5	0.18	5	2.69	263	0.5	0.02	13	400	1	2.5	5	82	0.08	5	5	23	2.5	22	25.10

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB1913	1	1	2.5	0.99	0.10	2.5	60	0.25	1	8.88	0.25	8	31	13	1.37	5	0.5	0.19	5	2.48	278	0.5	0.02	14	420	2	2.5	10	76	0.08	5	5	25	2.5	25	27
87SJB1914	1	1	5	1.08	0.10	2.5	70	0.25	2	9.07	0.25	8	42	16	1.52	5	0.5	0.23	5	2.51	299	0.5	0.03	16	440	2	2.5	5	79	0.09	5	5	27	2.5	26	28.20
87SJB1918	6	1	5	2.05	0.10	2.5	150	0.5	2	2.90	0.25	28	104	50	3.25	10	0.5	0.15	10	1.39	797	0.5	0.02	64	810	1	2.5	5	84	0.14	5	5	73	2.5	71	34.60
87SJB1919	6	1	15	2.56	0.10	2.5	200	1	1	0.83	0.5	28	57	13	3.49	5	0.5	0.16	30	0.92	278	0.5	0.02	78	130	1	2.5	5	200	0.09	5	5	75	2.5	183	34.90
87SJB1920	2	1	2.5	2.51	0.20	2.5	130	0.5	1	0.33	0.25	17	57	35	3.79	10	0.5	0.24	40	0.54	265	0.5	0.01	77	300	1	2.5	5	57	0.07	5	5	99	2.5	113	36.90
87SJB2001				1.53	0.10	2.5	80	0.25	1	8.23	0.25	11	43	22	2.01	5	0.5	0.31	5	3.02	334	0.5	0.03	22	450	4	2.5	5	68	0.11	5	5	35	2.5	42	2
87SJB2002				1.17	0.10	2.5	60	0.25	1	10.50	0.25	8	34	16	1.65	5	0.5	0.28	5	3.51	344	0.5	0.03	17	440	1	2.5	5	80	0.09	5	5	27	2.5	32	2.90
87SJB2003				1.27	0.10	2.5	70	0.25	2	10.50	0.25	7	36	17	1.74	5	0.5	0.29	5	3.03	365	0.5	0.03	19	430	2	2.5	5	88	0.10	5	5	30	2.5	35	7.30
87SJB2004				1.83	0.10	2.5	110	0.25	1	8.58	0.25	13	56	24	2.38	5	0.5	0.40	5	2.72	415	0.5	0.05	28	450	1	2.5	5	90	0.13	5	5	41	2.5	49	13.30
87SJB2005	4	1	2.5	0.45	0.10	2.5	40	0.25	1	5.56	0.25	5	22	11	0.87	5	0.5	0.10	5	2.01	173	0.5	0.03	10	530	1	2.5	10	50	0.08	5	5	19	2.5	14	15.20
87SJB2006	4	1	2.5	0.39	0.10	2.5	40	0.25	1	5.11	0.25	5	19	11	0.79	5	1	0.08	5	1.88	156	0.5	0.02	10	540	1	2.5	5	43	0.07	5	5	17	2.5	13	19.20
87SJB2006				0.36	0.10	2.5	40	0.25	1	5.78	0.25	3	26	11	0.80	5	0.5	0.09	5	2.04	145	0.5	0.02	12	670	2	2.5	2	40	0.06	5	5	17	5	20	19.20
87SJB2008	14	1	2.5	0.70	0.10	2.5	50	0.25	1	7.12	0.25	6	26	11	1.06	5	0.5	0.14	5	2.32	219	0.5	0.02	11	470	1	5	5	59	0.08	5	5	21	2.5	18	21.80
87SJB2009	4	1	2.5	0.86	0.10	2.5	50	0.25	1	6.24	0.25	8	48	14	1.28	5	1	0.15	5	2.21	243	0.5	0.04	18	580	1	2.5	5	65	0.10	5	5	26	2.5	22	22.10
87SJB2101				1.32	0.10	2.5	60	0.25	1	9.93	0.25	7	36	17	1.70	5	0.5	0.27	5	2.96	300	0.5	0.03	17	400	4	2.5	5	75	0.10	5	5	30	2.5	33	2
87SJB2102	4	2	2.5	1.37	0.10	2.5	70	0.5	1	10.10	0.25	10	38	18	1.76	5	0.5	0.32	5	3.07	380	0.5	0.03	18	440	1	2.5	5	77	0.10	5	5	31	2.5	34	3.5
87SJB2103				0.75	0.10	2.5	40	0.25	1	9.54	0.25	7	26	13	1.04	5	0.5	0.15	5	2.57	286	0.5	0.03	11	390	2	2.5	10	79	0.09	5	5	21	2.5	20	4.5
87SJB2104				0.44	0.10	2.5	20	0.25	2	7.46	0.25	6	18	9	0.83	5	0.5	0.09	5	2.68	183	0.5	0.02	8	520	1	2.5	5	55	0.07	5	5	17	2.5	13	6.5
87SJB2104				0.32	0.10	2.5	20	0.25	1	6.79	0.25	4	18	8	0.63	5	0.5	0.07	5	2.38	145	0.5	0.02	9	440	1	2.5	1	44	0.05	5	5	13	2.5	10	6.5
87SJB2112				1.05	0.10	2.5	60	0.25	1	4.61	0.25	7	29	13	1:20	5	0.5	0.10	5	1.82	221	0.5	0.02	12	490	2	2.5	5	45	0.09	5	5	25	2.5	23	23
87SJB2113				0.99	0.10	2.5	60	0.25	1	4.16	0.25	7	28	12	1.14	5	0.5	0.09	5	1.63	208	0.5	0.02	12	470	2	2.5	5	41	0.08	5	5	24	2.5	21	23.30
87SJB2114	6	2	2.5	0.85	0.10	2.5	50	0.25	1	7.26	0.25	8	37	12	1.22	5	0.5	0.14	5	2.44	270	1	0.03	14	440	2	2.5	5	61	0.08	5	5	22	2.5	19	23.70
87SJB2115	4	1	10	0.81	0.10	2.5	40	0.25	1	7.33	0.25	7	38	12	1.20	5	0.5	0.14	5	2.45	265	0.5	0.03	14	420	6	2.5	5	59	0.08	5	5	21	2.5	19	24.20
87SJB2116	4	1	2.5	0.74	0.10	2.5	50	0.25	1	8.19	0.25	6	29	11	1.08	5	1	0.14	5	2.53	245	0.5	0.02	13	410	2	2.5	5	64	0.08	5	5	20	2.5	18	24.5
87SJB2117	4	1	10	0.98	0.10	5	70	0.25	1	7.41	0.25	7	33	14	1.32	5	1	0.19	5	2.40	274	1	0.03	14	440	2	2.5	5	61	0.09	5	5	24	2.5	25	25.10
87SJB2118	4	2	10	1.11	0.10	2.5	80	0.25	1	7.76	0.25	8	36	13	1.40	5	1	0.21	5	2.51	290	0.5	0.03	15	440	1	2.5	5	64	0.09	5	5	26	2.5	27	25.70
87SJB2201				1.33	0.10	2.5	60	0.25	2	10.85	0.25	7	35	17	1.72	5	0.5	0.26	5	3.25	336	0.5	0.02	17	400	2	2.5	5	79	0.10	5	5	30	2.5	32	1.40
87SJB2202				1.23	0.10	2.5	60	0.25	1	10.70	0.25	7	34	16	1.74	5	0.5	0.28	5	3.28	317	0.5	0.03	16	440	2	2.5	5	83	0.09	5	5	29	2.5	33	3.80
87SJB2202				1.10	0.10	2.5	60	0.25	2	10.65	0.25	9	35	15	1.64	5	0.5	0.25	5	3.08	303	0.5	0.03	18	400	2	2.5	4	76	0.08	5	5	26	5	32	3.80
87SJB2203				0.89	0.10	2.5	40	0.25	2	12.00	0.25	8	26	14	1.26	5	0.5	0.19	5	2.93	380	0.5	0.02	14	420	6	2.5	10	94	0.09	5	5	23	2.5	25	10.20
87SJB2211				0.98	0.10	2.5	70	0.25	1	6.89	0.25	7	33	14	1.31	5	0.5	0.20	5	2.29	261	0.5	0.03	15	450	4	2.5	5	58	0.09	5	5	25	2.5	24	47.70
87SJB2212	1	1	10	0.96	0.10	2.5	60	0.25	1	7.11	0.25	8	33	12	1.28	5	0.5	0.19	5	2.35	250	0.5	0.03	14	420	2	2.5	5	61	0.09	5	5	24	2.5	22	48.90
87SJB2213	2	2	20	0.93	0.10	2.5	60	0.25	1	6.83	0.25	8	30	13	1.29	5	1	0.19	5	2.19	244	0.5	0.03	15	420	4	2.5	5	59	0.09	5	5	25	2.5	23	49.80
87SJB2214	12	2	5	1.03	0.10	2.5	60	0.25	1	7.37	0.25	8	32	12	1.33	5	1	0.21	5	2.42	262	0.5	0.03	14	450	1	2.5	5	67	0.09	5	5	26	2.5	24	50.40
87SJB2215				1.00	0.10	2.5	60	0.25	1	7.25	0.25	8	33	14	1.34	5	1	0.20	5	2.37	2.6	0.5	0.03	15	450	1	2.5	5	67	0.09	5	5	26	2.5	24	52.30
87SJB2301				1.18	0.10	2.5	50	0.25	2	9.93	0.25	8	32	14	1.52	5	0.5	0.24	5	3.05	299	0.5	0.02	14	400	1	2.5	5	72	0.09	5	5	27	2.5	29	2
87SJB2302				1.19	0.10	2.5	70	0.25	2	10.90	0.25	7	33	16	1.72	5	0.5	0.26	5	3.32	412	0.5	0.03	17	440	2	5	10	81	0.09	5	5	28	2.5	32	4.10
87SJB2303				1.09	0.10	2.5	60	0.25	2	11.05	0.25	10	37	16	1.56	5	0.5	0.25	5	3.13	341	0.5	0.03	19	390	1	2.5	4	81	0.08	5	5	26	10	32	6.20
87SJB2303				1.11	0.10	2.5	60	0.25	1	10.35	0.25	8	32	16	1.55	5	0.5	0.25	5	3.13	333	0.5	0.03	16	390	2	2.5	10	81	0.09	5	5	27	2.5	32	6.20
87SJB2304				1.16	0.10	2.5	60	0.25	1	10.50	0.25	8	34	18	1.65	5	0.5	0.26	5	3.07	358	0.5	0.03	17	420	4	2.5	10	85	0.09	5	5	28	2.5	35	8.70

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
87SJB2305				0.83	0.10	2.5	40	0.25	1	11.35	0.25	8	24	13	1.23	5	0.5	0.17	5	2.88	331	0.5	0.03	13	390	1	2.5	10	87	0.08	5	5	22	2.5	25	11.40
87SJB2306				0.97	0.10	2.5	50	0.25	2	9.78	0.25	8	33	16	1.37	5	0.5	0.20	5	2.64	329	0.5	0.03	14	420	4	2.5	5	85	0.10	5	5	26	2.5	31	14
87SJB2306				1.17	0.10	2.5	70	0.25	1	10.45	0.25	10	40	17	1.60	5	0.5	0.25	5	2.73	362	0.5	0.04	20	410	1	2.5	4	87	0.10	5	5	29	5	34	14
87SJB2307				0.43	0.10	2.5	20	0.25	2	7.09	0.25	6	18	9	0.79	5	0.5	0.09	5	2.69	182	0.5	0.02	8	460	2	2.5	10	52	0.07	5	5	16	2.5	14	16.30
87SJB2307				0.96	0.10	2.5	50	0.25	1	8.82	0.25	4	39	14	1.36	5	0.5	0.21	5	2.84	285	0.5	0.03	15	470	2	5	3	67	0.10	5	5	24	5	34	16.30
87SJB2401				1.20	0.10	5	60	0.25	1	11.00	0.25	9	33	14	1.55	5	0.5	0.31	5	3.70	307	0.5	0.02	17	450	4	5	5	84	0.09	5	5	27	2.5	30	2.30
87SJB2402				1.48	0.10	2.5	80	0.25	1	9.41	0.25	11	41	20	1.92	5	0.5	0.35	5	2.98	367	0.5	0.03	21	450	1	2.5	5	81	0.10	5	5	33	2.5	41	5
87SJB2501				1.43	0.10	2.5	70	0.25	2	9.47	0.25	7	38	18	1.84	5	0.5	0.31	5	2.96	335	0.5	0.03	19	420	2	2.5	5	72	0.10	5	5	31	2.5	38	2.30
87SJB2502				0.36	0.10	2.5	20	0.25	1	5.94	0.25	3	22	7	0.77	5	0.5	0.07	5	1.96	135	0.5	0.01	8	560	1	5	2	39	0.06	5	5	15	5	18	5
87SJB2502				0.36	0.10	2.5	20	0.25	1	6.13	0.25	5	18	8	0.79	5	0.5	0.06	5	2.07	146	0.5	0.02	7	500	2	2.5	10	44	0.06	5	5	16	2.5	12	5
87SJB2504				0.68	0.10	2.5	60	0.25	1	5.39	0.25	8	34	20	1.20	5	1	0.31	5	2.01	227	0.5	0.03	17	620	1	2.5	5	44	0.09	5	5	25	2.5	22	13
87SJB2505	6	1	2.5	0.92	0.10	2.5	100	0.25	1	4.96	0.25	10	57	28	1.57	5	0.5	0.30	5	1.93	275	0.5	0.06	25	740	4	2.5	5	50	0.12	5	5	35	5	29	13.30
87SJB2506				1.05	0.10	2.5	100	0.25	2	5.59	0.25	11	46	27	1.60	5	0.5	0.30	5	2.13	310	0.5	0.04	24	600	1	2.5	5	57	0.12	5	5	34	2.5	39	15.70
87SJB2507				1.16	0.10	2.5	110	0.25	2	6.02	0.25	10	51	25	1.70	5	0.5	0.31	5	2.23	335	0.5	0.04	24	580	4	2.5	5	65	0.12	5	5	34	2.5	36	17.5
87SJB2508				1.25	0.10	5	130	0.25	1	5.09	0.25	12	59	30	1.89	5	1	0.30	5	1.99	343	0.5	0.05	32	640	2	2.5	5	61	0.13	5	5	37	5	39	19.30
87SJB2509				0.99	0.10	2.5	90	0.25	1	6.19	0.25	9	50	23	1.48	5	0.5	0.27	5	2.27	280	0.5	0.03	24	510	6	2.5	5	60	0.10	5	5	29	2.5	30	20.20
87SJB2510	2	2	5	1.40	0.10	2.5	120	0.25	2	6.35	0.25	11	59	30	1.92	5	1	0.36	5	2.39	343	0.5	0.04	27	560	1	5	5	69	0.12	5	5	36	2.5	40	21.60
87SJB2511				1.24	0.10	2.5	130	0.25	1	5.91	0.25	16	99	35	1.97	5	0.5	0.37	5	2.07	396	0.5	0.04	42	500	1	2.5	5	67	0.13	5	5	40	5	39	22.30
87SJB2512	4	2	10	0.81	0.10	2.5	70	0.25	1	6.60	0.25	7	31	17	1.19	5	1	0.19	5	2.35	241	0.5	0.02	15	520	2	2.5	5	58	0.09	5	5	24	2.5	23	23.70
87SJB2513	2	2	10	2.08	0.40	2.5	140	0.5	1	2.23	0.25	25	71	87	4.36	10	1	0.20	40	1.84	248	0.5	0.03	58	1670	4	2.5	5	60	0.25	5	5	78	2.5	72	24.10
87SJB2601	4	1	2.5	1.27	0.10	2.5	60	0.5	1	11.00	0.25	9	36	16	1.62	5	1	0.27	5	2.79	276	0.5	0.03	18	480	2	5	5	87	0.10	5	5	30	2.5	33	2
87SJB2602				0.53	0.10	5	30	0.25	1	10.00	0.25	6	16	8	0.83	5	0.5	0.12	5	3.60	210	0.5	0.01	8	400	1	2.5	5	69	0.06	5	5	15	2.5	14	4.10
87SJB2603	1	1	10	0.63	0.10	2.5	30	0.25	1	9.33	0.25	6	20	9	0.95	5	0.5	0.16	5	3.39	217	0.5	0.02	11	390	1	5	5	73	0.06	5	5	17	2.5	17	5.90
87SJB2604	2	1	10	0.67	0.10	2.5	40	0.25	1	9.48	0.25	6	21	9	0.99	5	0.5	0.17	5	3.43	226	0.5	0.02	10	400	4	2.5	5	76	0.08	5	5	18	2.5	18	8.40
87SJB2605	1	1	2.5	0.65	0.10	2.5	30	0.25	1	9.13	0.25	6	20	9	0.95	5	0.5	0.16	5	3.34	216	0.5	0.02	9	390	1	2.5	5	74	0.07	5	5	17	2.5	17	10.80
87SJB2606	8	4	5	0.67	0.10	2.5	40	0.25	1	8.99	0.25	7	22	9	0.98	5	0.5	0.17	5	3.25	217	0.5	0.02	12	390	1	2.5	5	72	0.07	5	5	18	2.5	18	12.60
87SJB2607	2	1	2.5	0.79	0.10	2.5	50	0.25	1	9.09	0.25	7	25	11	1.11	5	1	0.19	5	3.24	241	0.5	0.02	12	410	1	2.5	5	73	0.08	5	5	21	2.5	20	13.30
87SJB2608	8	2	10	1.29	0.10	2.5	120	0.5	1	5.98	0.25	13	56	26	2.16	5	0.5	0.31	5	1.98	423	0.5	0.04	29	600	4	5	5	65	0.12	5	5	48	5	37	17.20
87SJB2609				1.09	0.10	2.5	100	0.25	1	6.84	0.25	7	47	17	1.62	5	0.5	0.24	5	2.18	329	0.5	0.03	24	540	1	2.5	5	68	0.11	5	5	33	2.5	31	17.60
87SJB2610				1.08	0.10	2.5	90	0.25	1	6.61	0.25	9	46	16	1.50	5	0.5	0.25	5	2.17	308	0.5	0.02	22	540	2	2.5	5	65	0.11	5	5	31	2.5	28	20
87SJB2611	4	4	20	1.16	0.10	2.5	110	0.25	1	6.74	0.25	10	49	17	1.65	5	1	0.27	5	2.12	328	0.5	0.02	25	560	2	2.5	5	68	0.11	5	5	33	2.5	32	22.40
87SJB2612	2	2	5	0.78	0.10	2.5	100	0.25	1	4.97	0.25	9	55	17	1.52	5	2	0.22	5	1.56	239	0.5	0.04	24	690	2	2.5	5	50	0.10	5	5	33	5	24	24.80
87SJB2613	6	1	2.5	0.95	0.10	2.5	100	0.25	2	6.90	0.25	9	40	15	1.47	5	0.5	0.22	5	1.85	296	0.5	0.03	18	570	2	5	5	62	0.09	5	5	28	2.5	23	26
87SJB2614	2	4	2.5	0.51	0.10	2.5	50	0.25	1	5.66	0.25	6	27	9	1.05	5	1	0.10	5	1.54	215	0.5	0.03	11	540	1	2.5	5	50	0.07	5	5	20	2.5	14	28.5
87SJB2615	1	1	2.5	0.67	0.10	5	70	0.25	1	6.17	0.25	7	35	13	1.24	5	2	0.16	5	1.70	260	0.5	0.03	15	610	2	2.5	5	58	0.08	5	5	25	2.5	18	29.30
88SJB2702				0.76	0.10	15	80	0.25	1	10.51	0.25	8	94	88	1.59	5	0.5	0.23	5	3.29	276	20	0.04	44	480	1	2.5	4	85	0.11	5	5	29	2.5	28	7.32
88SJB2703				1.00	0.10	2.5	60	0.25	1	9.35	0.25	7	43	14	1.38	5	0.5	0.18	5	3.00	267	1	0.02	14	430	4	2.5	4	63	0.09	5	5	27	2.5	28	8.38
88SJB2704				1.05	0.10	5	70	0.25	1	8.85	0.25	8	42	16	1.43	5	0.5	0.21	5	2.84	271	1	0.03	15	410	6	2.5	4	60	0.10	5	5	29	2.5	29	9.45
88SJB2705				1.00	0.10	2.5	60	0.25	1	9.38	0.25	7	38	17	1.37	5	0.5	0.18	5	3.09	272	1	0.02	15	430	6	2.5	4	63	0.09	5	5	27	2.5	29	10.87
88SJB2706				1.06	0.10	5	60	0.25	1	9.73	0.25	6	43	16	1.49	5	1	0.16	5	3.31	280	1	0.02	16	440	4	2.5	4	63	0.09	5	5	27	2.5	30	11.72

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB2707				1.15	0.10	2.5	70	0.25	1	10.40	0.25	7	46	16	1.56	5	0.5	0.18	5	3.52	289	1	0.02	17	450	4	2.5	4	68	0.10	5	5	29	2.5	32	12.95
88SJB2708				1.17	0.10	10	70	0.25	1	10.03	0.25	9	51	29	1.59	5	1	0.18	5	3.38	292	3	0.02	22	470	8	2.5	4	67	0.10	5	5	30	2.5	34	14.48
88SJB2709				1.15	0.10	10	70	0.25	1	9.78	0.25	8	47	17	1.55	5	1	0.19	5	3.23	307	1	0.02	17	470	4	2.5	4	67	0.10	5	5	29	2.5	32	15.39
88SJB2710				1.12	0.10	2.5	70	0.25	1	9.73	0.25	9	42	14	1.49	5	0.5	0.19	5	3.22	281	0.5	0.02	17	450	2	2.5	4	64	0.10	5	5	28	2.5	31	16.08
88SJB2711				1.08	0.10	5	70	0.25	1	9.85	0.25	6	37	14	1.48	5	0.5	0.16	5	3.31	285	0.5	0.02	16	420	4	2.5	4	65	0.09	5	5	27	2.5	30	16.92
88SJB2712				1.11	0.10	2.5	70	0.25	1	9.72	0.25	7	48	16	1.58	5	0.5	0.17	5	3.27	289	1	0.02	17	450	4	2.5	4	65	0.10	5	5	28	2.5	32	17.89
88SJB2713				1.14	0.10	10	90	0.25	1	9.88	0.25	7	43	19	1.54	5	0.5	0.21	5	3.36	283	0.5	0.02	20	430	6	5	4	66	0.10	5	5	30	2.5	32	19.05
88SJB2714				1.02	0.10	2.5	60	0.25	1	9.13	0.25	6	37	13	1.37	5	0.5	0.16	5	3.11	252	0.5	0.02	15	400	2	2.5	3	60	0.09	5	5	26	2.5	28	20.25
88SJB2715				1.11	0.10	2.5	70	0.25	1	9.52	0.25	6	43	14	1.48	5	0.5	0.18	5	3.23	275	0.5	0.02	16	430	2	2.5	4	63	0.10	5	5	28	2.5	30	21.49
88SJB2716				1.18	0.10	10	70	0.25	1	9.52	0.25	7	44	16	1.54	5	0.5	0.19	5	3.27	295	0.5	0.02	17	430	8	2.5	4	65	0.10	10	5	29	2.5	33	22.71
88SJB2717				1.17	0.10	2.5	70	0.25	1	8.60	0.25	7	41	15	1.53	5	1	0.19	5	3.02	292	0.5	0.02	17	420	4	2.5	4	60	0.10	5	5	29	2.5	33	23.32
88SJB2718				1.18	0.10	2.5	70	0.5	1	10.03	0.25	8	46	15	1.57	5	1	0.22	5	3.22	314	0.5	0.02	17	430	6	2.5	4	71	0.11	10	5	31	2.5	33	24.84
88SJB2719				1.10	0.10	2.5	70	0.25	1	9.62	0.25	8	44	14	1.48	5	0.5	0.20	5	3.09	290	0.5	0.02	16	400	2	2.5	4	68	0.10	10	5	29	2.5	31	26.37
88SJB2720				1.17	0.10	5	80	0.5	2	9.84	0.25	8	45	14	1.53	5	0.5	0.22	5	3.17	309	0.5	0.02	16	400	6	5	4	70	0.10	10	5	30	2.5	33	27.58
88SJB2801				0.66	0.10	5	30	0.25	1	11.44	0.25	5	21	11	1.13	5	0.5	0.12	5	3.38	235	0.5	0.02	10	410	2	2.5	2	68	0.07	5	5	20	5	26	3.51
88SJB2803				1.31	0.10	5	70	0.25	1	11.08	0.25	7	43	21	1.75	5	1	0.29	5	3.00	320	0.5	0.03	20	450	6	2.5	4	90	0.10	5	5	31	5	44	6.86
88SJB2804				1.64	0.10	2.5	90	0.5	1	10.36	0.25	9	51	22	2.08	5	0.5	0.38	5	2.95	360	0.5	0.04	24	470	10	5	5	97	0.11	5	5	36	10	54	9.30
88SJB2805				1.45	0.10	2.5	80	0.5	1	10.29	0.25	7	47	21	1.97	5	0.5	0.30	5	2.46	380	0.5	0.04	20	460	6	2.5	5	97	0.11	5	5	34	10	52	12.04
88SJB2812				0.57	0.10	5	30	0.25	1	11.92	0.25	4	27	9	0.99	5	1	0.12	5	3.69	207	0.5	0.01	9	390	4	2.5	3	73	0.06	10	5	18	2.5	18	16.46
88SJB2813				0.58	0.10	5	40	0.25	1	11.46	0.25	4	28	8	1.03	5	0.5	0.12	5	3.57	205	1	0.02	10	420	2	2.5	3	71	0.06	5	5	18	2.5	19	17.22
88SJB2816				0.67	0.10	2.5	60	0.25	1	6.13	0.25	5	35	10	1.15	5	0.5	0.16	5	1.73	188	1	0.01	12	320	8	2.5	2	43	0.06	5	5	20	5	22	22.40
88SJB2817				1.46	0.10	10	90	0.5	1	10.10	0.25	8	51	18	1.86	5	1	0.27	5	2.82	321	0.5	0.02	21	420	6	2.5	4	79	0.09	5	5	32	2.5	40	23.62
88SJB2818				1.48	0.10	5	90	0.5	1	10.17	0.25	9	52	18	1.81	5	1	0.28	5	2.78	314	1	0.02	21	410	8	2.5	5	77	0.10	5	5	33	2.5	40	24.84
88SJB2819				1.46	0.10	10	90	0.5	1	10.02	0.25	10	50	19	1.81	5	1	0.26	5	2.81	316	1	0.02	20	420	4	5	4	79	0.09	5	5	32	2.5	40	26.29
88SJB2820				0.94	0.10	5	50	0.25	1	9.85	0.25	7	37	14	1.38	5	0.5	0.15	5	2.96	264	1	0.02	15	410	8	2.5	3	67	0.08	5	5	25	2.5	27	26.59
88SJB2821				1.18	0.10	10	70	0.25	1	10.11	0.25	8	40	17	1.55	5	0.5	0.25	5	2.68	295	0.5	0.02	18	420	8	2.5	4	80	0.08	5	5	27	10	40	27.81
88SJB2822				1.23	0.10	2.5	90	0.5	1	11.37	0.25	8	41	16	1.55	5	0.5	0.26	5	2.51	320	0.5	0.03	17	410	6	2.5	4	94	0.09	5	5	27	5	42	28.50
88SJB2823				1.55	0.10	5	90	0.25	1	10.65	0.25	9	53	19	1.86	5	1	0.27	5	2.90	324	1	0.03	20	400	10	5	5	83	0.10	5	5	33	2.5	41	29.72
88SJB2824				1.14	0.10	5	60	0.5	1	10.66	0.25	7	40	16	1.51	5	0.5	0.24	5	2.83	295	0.5	0.03	18	410	8	2.5	4	84	0.08	5	5	27	10	38	30.63
88SJB2825				1.05	0.10	2.5	60	0.5	1	10.63	0.25	7	40	15	1.47	5	0.5	0.22	5	2.83	290	0.5	0.03	18	420	10	2.5	4	83	0.08	5	5	26	10	36	32.16
88SJB2826				1.13	0.10	2.5	70	0.25	1	10.22	0.25	7	38	16	1.45	5	0.5	0.24	5	2.69	290	0.5	0.03	17	400	12	2.5	4	83	0.08	5	5	26	5	38	33.07
88SJB2827				0.89	0.10	5	50	0.25	1	12.87	0.25	7	32	14	1.19	5	0.5	0.17	5	2.91	300	0.5	0.02	14	430	4	2.5	3	99	0.08	5	5	23	5	34	34.59
88SJB2828				0.72	0.10	5	50	0.25	1	10.66	0.25	6	28	12	1.13	5	0.5	0.15	5	2.87	275	0.5	0.02	14	430	2	2.5	3	78	0.07	5	5	20	5	30	37.03
88SJB2829				1.05	0.10	10	80	0.25	1	11.32	0.25	7	39	16	1.45	5	0.5	0.22	5	2.63	340	0.5	0.03	18	450	8	2.5	4	93	0.09	5	5	27	5	38	37.64
88SJB2830				0.29	0.10	2.5	20	0.25	1	9.05	0.25	3	18	8	0.79	5	0.5	0.07	5	3.00	190	0.5	0.01	8	460	2	2.5	2	53	0.05	5	5	14	5	20	38.86
88SJB2833				0.72	0.10	5	100	0.5	4	7.63	0.25	12	53	21	1.85	5	0.5	0.23	5	2.06	418	1	0.04	42	570	4	2.5	4	57	0.12	10	5	29	2.5	30	47.70
88SJB2835				0.81	0.10	5	90	0.25	1	7.85	0.25	8	49	18	1.61	5	0.5	0.22	5	2.16	276	1	0.02	20	590	10	5	4	54	0.11	5	5	31	2.5	31	48.92
88SJB2836				8.31	0.10	2.5	90	0.25	1	7.90	0.25	10	39	19	1.29	5	0.5	0.18	5	1.32	197	0.5	0.45	33	220	6	2.5	2	103	0.04	5	5	10	2.5	24	51.36
88SJB2904				1.04	0.10	5	60	0.5	1	10.93	0.25	7	37	11	1.40	5	0.5	0.22	5	3.39	284	1	0.03	14	400	8	2.5	4	76	0.10	5	5	27	2.5	29	8.38
88SJB2905				1.04	0.10	2.5	50	0.5	4	8.90	0.25	7	35	11	1.35	5	0.5	0.23	5	2.75	262	0.5	0.02	14	360	2	2.5	4	68	0.09	10	5	27	2.5	30	8.99
88SJB2906				1.08	0.10	10	60	1	1	10.71	0.25	8	40	15	1.51	5	0.5	0.23	5	3.35	303	0.5	0.03	18	420	1	5	4	80	0.10	5	5	28	2.5	38	10.21
88SJB2907				0.96	0.10	20	60	0.5	2	10.67	0.25	7	34	11	1.38	5	1	0.20	5	3.44	284	0.5	0.02	15	400	4	5	4	78	0.09	5	5	26	2.5	30	11.66

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB2908				0.60	0.10	10	30	0.5	1	9.97	0.25	3	24	8	0.94	5	0.5	0.11	5	3.51	201	0.5	0.02	9	380	6	5	2	61	0.07	5	5	18	2.5	17	12.42
88SJB3001				1.08	0.10	10	40	0.25	1	6.64	0.25	5	28	9	1.32	5	0.5	0.12	5	2.36	247	0.5	0.01	12	420	6	5	3	42	0.09	5	5	25	2.5	23	1.07
88SJB3004				0.62	0.10	2.5	40	0.25	1	12.38	0.25	5	22	10	0.98	5	0.5	0.14	5	3.90	240	0.5	0.02	9	420	4	2.5	2	76	0.06	5	5	18	5	26	3.51
88SJB3005				1.48	0.10	10	80	0.5	1	8.50	0.25	9	47	24	2.06	5	0.5	0.32	5	3.01	345	0.5	0.04	22	590	8	2.5	5	94	0.14	5	5	38	10	54	5.79
88SJB3006				0.97	0.10	2.5	50	0.25	1	11.46	0.25	6	31	12	1.32	5	0.5	0.25	5	3.38	255	0.5	0.03	14	410	8	2.5	3	95	0.09	5	5	24	5	34	8.23
88SJB3007				0.86	0.10	2.5	50	0.25	1	12.78	0.25	6	26	11	1.16	5	0.5	0.23	5	3.74	230	0.5	0.03	13	380	4	2.5	3	94	0.07	5	5	21	5	30	11.58
88SJB3008				1.43	0.10	5	80	0.5	1	10.05	0.25	8	44	20	1.85	5	0.5	0.31	5	2.64	350	0.5	0.03	20	460	6	2.5	5	85	0.11	5	5	33	10	48	13.94
88SJB3009				0.73	0.10	10	40	0.25	1	10.46	0.25	4	27	9	1.05	5	0.5	0.13	5	3.62	223	0.5	0.02	8	390	4	2.5	3	65	0.08	5	5	20	2.5	20	14.25
88SJB3010				0.35	0.10	5	20	0.25	1	6.34	0.25	3	14	4	0.56	5	0.5	0.06	5	2.41	124	0.5	0.01	4	240	6	2.5	2	36	0.04	5	5	11	2.5	10	15.70
88SJB3011				0.44	0.10	5	20	0.25	1	6.12	0.25	3	18	5	0.68	5	0.5	0.07	5	2.19	133	0.5	0.01	5	300	6	2.5	2	38	0.05	5	5	13	2.5	12	17.07
88SJB3012				0.25	0.20	2.5	20	0.25	2	3.36	0.25	3	16	4	0.47	10	0.5	0.05	5	1.25	92	0.5	0.01	5	190	4	2.5	1	20	0.03	5	5	9	2.5	8	18.14
88SJB3101				0.77	0.10	5	30	0.25	1	9.44	0.25	5	24	9	1.05	5	0.5	0.09	5	3.21	238	0.5	0.01	9	390	4	2.5	3	51	0.07	10	5	20	2.5	18	0.76
88SJB3102				0.45	0.10	10	20	0.25	1	12.16	0.25	3	19	8	0.84	5	0.5	0.07	5	3.55	183	0.5	0.01	6	400	1	2.5	2	64	0.06	10	5	16	2.5	15	2.36
88SJB3103				0.52	0.10	2.5	20	0.25	1	10.89	0.25	4	22	9	0.94	5	0.5	0.09	5	3.18	180	0.5	0.01	9	400	2	2.5	2	58	0.06	10	5	18	2.5	18	3.20
88SJB3104				0.70	0.10	5	40	0.25	1	12.16	0.25	5	24	11	1.04	5	0.5	0.15	5	3.29	240	0.5	0.02	12	420	4	2.5	3	77	0.07	5	5	19	5	28	4.34
88SJB3105				1.16	0.10	2.5	60	0.5	1	10.90	0.25	7	36	16	1.58	5	0.5	0.26	5	2.96	300	0.5	0.03	18	450	6	2.5	4	84	0.09	5	5	28	5	40	6.25
88SJB3106				1.12	0.10	2.5	60	0.5	1	11.10	0.25	7	37	16	1.57	5	0.5	0.25	5	2.98	300	0.5	0.03	18	440	4	2.5	4	84	0.09	5	5	27	5	40	9.45
88SJB3107				0.66	0.10	2.5	40	0.25	1	11.61	0.25	5	25	12	1.10	5	0.5	0.14	5	3.18	235	0.5	0.02	11	430	4	2.5	2	77	0.06	5	5	20	5	28	10.82
88SJB3108				2.13	0.10	5	120	1	1	8.39	0.25	13	67	29	2.84	5	0.5	0.50	5	2.73	450	0.5	0.05	32	500	6	2.5	7	102	0.14	5	5	47	10	74	12.65
88SJB3109				1.19	0.10	5	60	0.5	2	11.98	0.25	9	39	18	1.63	5	0.5	0.24	5	2.45	390	0.5	0.03	19	450	8	2.5	4	103	0.11	5	5	30	10	44	14.48
88SJB3201				1.49	0.10	2.5	80	0.5	1	10.14	0.25	11	45	20	1.94	5	0.5	0.31	5	2.91	320	0.5	0.03	21	470	6	2.5	5	73	0.11	5	5	33	10	50	2.44
88SJB3202				1.33	0.10	10	70	0.5	1	10.29	0.25	10	43	18	1.77	5	0.5	0.30	5	3.05	315	0.5	0.03	19	480	8	2.5	4	81	0.10	5	5	31	10	46	4.42
88SJB3203				1.71	0.10	5	90	0.5	1	9.35	0.25	12	54	22	2.23	5	1	0.41	5	2.92	380	0.5	0.04	26	500	12	2.5	5	88	0.12	5	5	38	10	56	5.94
88SJB3206				0.74	0.10	2.5	50	0.25	1	10.47	0.25	8	30	13	1.14	5	0.5	0.18	5	3.41	245	0.5	0.02	13	460	6	2.5	3	66	0.08	5	5	23	5	30	11.43
88SJB3208				0.48	0.10	2.5	30	0.25	1	9.85	0.25	7	22	10	0.85	5	0.5	0.11	5	3.29	200	0.5	0.02	9	460	6	2.5	2	57	0.07	5	5	17	5	22	16.61
88SJB3301				1.38	0.10	10	60	0.5	1	11.01	0.25	7	45	17	1.77	5	0.5	0.26	5	3.29	280	0.5	0.02	18	390	6	2.5	4	73	0.10	10	5	31	2.5	37	1.07
88SJB3302				1.31	0.10	2.5	70	0.5	1	12.03	0.25	10	41	16	1.70	5	0.5	0.32	5	3.42	290	0.5	0.03	19	450	8	2.5	4	93	0.10	5	5	30	5	44	2.36
88SJB3303				1.29	0.10	10	70	0.5	1	11.94	0.25	10	42	16	1.70	5	0.5	0.33	5	3.42	310	0.5	0.04	18	440	8	2.5	4	113	0.10	5	5	30	10	42	4.27
88SJB3304				1.24	0.10	2.5	70	0.25	1	11.73	0.25	10	40	16	1.64	5	0.5	0.32	5	3.41	300	0.5	0.04	18	430	4	2.5	4	120	0.10	5	5	29	5	42	6.78
88SJB3305				1.33	0.10	5	70	0.5	1	11.15	0.25	10	43	17	1.76	5	0.5	0.34	5	3.38	315	0.5	0.04	18	470	12	2.5	4	121	0.11	5	5	32	10	46	11.51
88SJB3401				0.64	0.10	10	30	0.25	1	12.85	0.25	4	23	9	0.96	5	0.5	0.10	5	3.89	207	0.5	0.02	9	330	6	5	2	69	0.07	10	5	18	2.5	20	1.37
88SJB3402				1.13	0.10	20	50	0.5	1	12.50	0.25	5	40	13	1.46	5	0.5	0.24	5	3.79	252	0.5	0.02	18	370	2	5	4	75	0.09	5	5	27	2.5	32	2.59
88SJB3404				0.53	0.10	2.5	20	0.25	1	13.03	0.25	4	17	8	0.76	5	0.5	0.12	5	3.89	180	0.5	0.02	7	320	1	2.5	2	77	0.05	5	5	14	5	22	3.20
88SJB3405				0.51	0.10	2.5	30	0.25	1	12.71	0.25	4	17	8	0.81	5	0.5	0.12	5	3.74	185	0.5	0.02	7	340	2	2.5	2	76	0.05	5	5	15	5	22	4.88
88SJB3409				0.69	0.10	2.5	40	0.25	1	13.11	0.25	6	25	10	1.07	5	0.5	0.17	5	3.67	220	0.5	0.02	11	390	1	2.5	2	83	0.07	5	5	19	5	28	14.17
88SJB3410				0.46	0.10	2.5	30	0.25	1	12.33	0.25	3	16	7	0.78	5	0.5	0.11	5	3.62	180	0.5	0.02	7	360	1	5	2	77	0.05	5	5	14	5	20	15.54
88SJB3411				0.78	0.10	5	40	0.25	1	10.56	0.25	5	33	11	1.16	5	0.5	0.17	5	3.17	230	1	0.02	12	420	4	2.5	3	74	0.08	5	5	21	2.5	23	16.67
88SJB3412				0.85	0.10	2.5	50	0.25	1	11.32	0.25	5	34	11	1.25	5	0.5	0.18	5	3.29	243	0.5	0.02	13	400	4	2.5	3	81	0.08	5	5	23	2.5	25	17.53
88SJB3415				0.89	0.10	2.5	50	0.5	1	11.36	0.25	5	42	14	1.33	5	0.5	0.17	5	3.54	254	2	0.03	11	390	1	2.5	3	80	0.09	5	5	23	2.5	25	21.18

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB3416				1.21	0.10	2.5	70	0.5	1	10.88	0.25	6	48	17	1.68	5	0.5	0.23	5	3.39	298	0.5	0.03	16	410	2	2.5	4	84	0.10	5	5	28	2.5	35	22.40
88SJB3417				1.24	0.10	5	70	0.5	1	11.82	0.25	7	45	16	1.70	5	0.5	0.23	5	3.55	312	0.5	0.03	16	430	1	2.5	4	89	0.10	5	5	29	2.5	35	23.93
88SJB3417				0.94	0.10	2.5	50	0.25	1	10.10	0.25	6	29	15	1.30	5	0.5	0.21	5	3.23	270	0.5	0.03	14	430	4	2.5	3	78	0.08	5	5	24	5	34	23.93
88SJB3418				1.26	0.10	5	70	0.5	1	11.12	0.25	7	48	17	1.73	5	0.5	0.25	5	3.43	306	0.5	0.03	17	420	2	5	4	86	0.10	5	5	29	2.5	35	24.84
88SJB3420				0.98	0.10	2.5	50	0.25	1	11.03	0.25	7	30	15	1.33	5	0.5	0.21	5	3.29	280	0.5	0.03	14	450	2	2.5	3	82	0.09	5	5	25	5	34	26.97
88SJB3423				0.95	0.10	2.5	50	0.5	1	10.79	0.25	5	32	11	1.30	5	0.5	0.19	5	3.85	268	0.5	0.02	10	410	1	2.5	3	65	0.09	5	5	23	2.5	26	36.73
88SJB3426				1.49	0.10	2.5	200	0.25	1	6.37	0.25	13	124	44	2.68	5	0.5	0.66	5	2.81	384	1	0.04	54	680	1	2.5	7	46	0.18	5	5	51	2.5	55	39.78
88SJB3514				0.37	0.10	2.5	20	0.25	1	10.22	0.25	3	17	6	0.76	5	0.5	0.05	5	3.52	181	0.5	0.01	5	470	1	2.5	2	58	0.07	5	5	15	2.5	13	31.39
88SJB3515				0.83	0.10	5	90	0.5	1	9.44	0.25	11	50	18	1.35	5	0.5	0.28	5	3.28	255	0.5	0.04	15	470	1	2.5	3	63	0.12	5	5	26	5	27	32.61
88SJB3601				1.45	0.10	5	70	0.5	1	10.17	0.25	8	41	18	1.79	5	0.5	0.24	5	3.17	315	0.5	0.03	19	450	8	2.5	5	72	0.11	5	5	33	10	40	0.76
88SJB3602				0.93	0.10	2.5	40	0.5	1	13.39	0.25	5	33	12	1.36	5	0.5	0.16	5	3.74	272	0.5	0.02	13	410	4	2.5	3	77	0.08	5	5	24	2.5	28	1.98
88SJB3603				1.35	0.10	5	70	0.5	1	12.32	0.25	7	44	16	1.79	5	0.5	0.27	5	3.94	301	0.5	0.03	18	430	2	2.5	4	77	0.11	5	5	31	2.5	39	3.51
88SJB3604				0.80	0.10	5	40	0.25	1	12.52	0.25	5	30	12	1.18	5	0.5	0.17	5	3.13	230	0.5	0.02	13	370	1	2.5	3	79	0.07	5	5	21	5	28	4.12
88SJB3606				0.63	0.10	2.5	30	0.25	1	9.98	0.25	5	25	9	0.95	5	0.5	0.10	5	3.25	226	0.5	0.02	9	400	1	2.5	3	62	0.08	5	5	19	2.5	19	8.99
88SJB3607				0.74	0.10	5	40	0.5	1	9.61	0.25	5	30	10	1.06	5	0.5	0.12	5	3.05	238	0.5	0.02	10	410	4	2.5	3	65	0.09	5	5	21	2.5	21	10.82
88SJB3608				0.93	0.10	5	50	0.5	1	8.85	0.25	7	48	13	1.29	5	1	0.15	5	2.86	267	1	0.03	14	430	2	2.5	3	66	0.09	5	5	24	2.5	25	11.73
88SJB3609				0.95	0.10	5	50	1	1	10.04	0.25	7	50	13	1.32	5	0.5	0.16	5	3.11	286	1	0.03	13	440	4	2.5	4	74	0.10	5	5	24	2.5	25	12.34
88SJB3610				1.37	0.10	10	70	1	1	8.03	0.25	7	43	15	1.61	5	0.5	0.24	5	2.79	320	0.5	0.03	16	460	4	5	4	72	0.11	5	5	32	2.5	34	13.87
88SJB3611				1.41	0.10	10	80	1	1	7.84	0.25	8	46	16	1.73	5	1	0.24	5	2.71	340	0.5	0.03	19	500	4	2.5	4	73	0.12	5	5	34	2.5	36	14.17
88SJB3612				1.32	0.10	5	70	1	1	7.79	0.25	8	46	14	1.61	5	0.5	0.24	5	2.69	318	0.5	0.03	17	480	1	2.5	4	69	0.11	5	5	32	2.5	34	16.61
88SJB3701				1.21	0.10	15	50	0.5	1	12.80	0.25	7	38	14	1.50	5	1	0.23	5	3.85	293	0.5	0.02	15	390	8	5	4	77	0.09	5	5	28	2.5	34	1.37
88SJB3702				0.66	0.10	2.5	20	0.25	1	12.20	0.25	5	20	10	0.95	5	0.5	0.12	5	3.96	205	0.5	0.02	9	370	8	2.5	2	70	0.06	5	5	18	5	24	2.13
88SJB3703				1.39	0.10	15	60	1.5	1	12.50	0.25	9	41	17	1.72	5	1	0.26	5	3.55	356	0.5	0.03	19	420	4	5	4	77	0.10	5	5	33	2.5	38	2.90
88SJB3706				0.87	0.10	10	40	0.5	1	6.67	0.25	6	34	11	1.11	5	0.5	0.14	5	2.24	223	0.5	0.02	13	350	1	2.5	3	46	0.07	5	5	21	2.5	23	9.14
88SJB3707				1.27	0.20	2.5	80	0.25	1	8.05	0.25	6	47	14	1.64	5	1	0.27	5	2.68	310	0.5	0.04	22	480	2	5	5	75	0.12	5	5	31	5	40	9.98
88SJB3708				1.10	0.10	2.5	50	0.25	1	9.08	0.25	9	41	14	1.45	5	0.5	0.21	5	2.75	284	1	0.03	16	440	1	2.5	4	72	0.09	5	5	27	2.5	30	11.20
88SJB3709				0.91	0.10	5	40	0.25	1	9.29	0.25	8	39	13	1.29	5	0.5	0.16	5	2.91	277	1	0.03	15	450	2	2.5	3	74	0.09	5	5	24	2.5	27	11.73
88SJB3710				0.98	0.10	2.5	50	0.25	1	9.27	0.25	8	43	13	1.35	5	0.5	0.19	5	2.82	285	2	0.03	16	440	1	2.5	3	77	0.09	5	5	25	5	28	12.65
88SJB3711				0.98	0.10	5	50	0.25	1	9.17	0.25	8	37	12	1.31	5	0.5	0.18	5	2.45	319	1	0.03	16	420	2	2.5	3	77	0.08	5	5	24	2.5	54	13.72
88SJB3712				1.06	0.10	2.5	60	0.25	1	8.87	0.25	9	41	13	1.40	5	0.5	0.22	5	2.81	277	1	0.03	16	430	2	2.5	4	80	0.09	5	5	26	5	29	14.78
88SJB3713				1.08	0.10	2.5	60	0.25	1	13.51	0.25	9	45	14	1.40	5	0.5	0.23	5	2.40	298	2	0.03	16	390	1	2.5	4	129	0.09	5	5	25	5	28	15.47
88SJB3714				1.28	0.10	2.5	70	0.25	1	8.62	0.25	9	48	16	1.63	5	0.5	0.26	5	2.74	310	1	0.04	19	450	1	2.5	4	86	0.10	5	5	30	2.5	33	16.31
88SJB3715				1.44	0.10	2.5	70	0.25	1	8.65	0.25	10	50	17	1.75	5	0.5	0.30	5	2.81	332	2	0.04	21	480	4	2.5	5	89	0.11	5	5	33	2.5	38	17.50
88SJB3716				1.27	0.10	2.5	70	0.25	1	8.02	0.25	10	43	14	1.58	5	0.5	0.27	5	2.61	311	1	0.04	19	470	1	2.5	4	79	0.11	5	5	31	2.5	33	18.75
88SJB3717				1.31	0.10	2.5	70	0.25	1	8.46	0.25	10	45	16	1.65	5	0.5	0.27	5	2.75	324	0.5	0.04	19	490	4	2.5	4	83	0.11	5	5	32	2.5	35	19.35
88SJB3719				1.24	0.10	2.5	70	0.25	1	7.76	0.25	5	44	14	1.59	5	0.5	0.26	5	2.56	300	0.5	0.03	20	470	2	5	4	73	0.11	5	5	30	5	44	20.12
88SJB3718				1.23	0.10	2.5	70	0.25	1	8.27	0.25	9	44	15	1.58	5	0.5	0.26	5	2.58	313	1	0.03	19	470	2	2.5	4	78	0.11	5	5	31	2.5	33	21.18
88SJB3801				1.21	0.10	2.5	50	0.25	1	12.13	0.25	9	36	13	1.47	5	0.5	0.27	5	3.47	277	0.5	0.02	17	370	2	2.5	4	82	0.09	5	5	27	2.5	33	1.07
88SJB3807				1.04	0.10	2.5	50	0.25	1	9.36	0.25	9	45	16	1.42	5	0.5	0.19	5	2.80	279	2	0.03	16	440	4	2.5	4	71	0.10	5	5	26	2.5	29	7.69
88SJB3808				0.90	0.10	2.5	40	0.25	1	8.82	0.25	8	35	12	1.24	5	0.5	0.17	5	2.76	263	1	0.02	15	420	2	2.5	3	68	0.09	5	5	23	2.5	25	9.45

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB3809				0.92	0.10	10	50	0.5	1	8.21	0.25	6	39	12	1.32	5	0.5	0.14	5	2.70	276	1	0.02	14	410	2	2.5	3	60	0.09	5	5	23	2.5	26	10.82
88SJB3810				1.06	0.10	2.5	60	0.5	1	8.73	0.25	7	45	14	1.49	5	0.5	0.18	5	2.77	298	0.5	0.03	17	440	1	2.5	3	69	0.09	5	5	27	2.5	31	12.65
88SJB3811				1.22	0.10	5	70	0.5	1	8.61	0.25	7	48	16	1.63	5	0.5	0.20	5	2.81	317	0.5	0.03	19	440	8	2.5	4	75	0.10	5	5	29	2.5	34	13.87
88SJB3812				1.19	0.10	10	70	0.5	1	9.13	0.25	6	47	14	1.54	5	0.5	0.21	5	3.84	324	0.5	0.03	17	380	6	5	4	70	0.09	5	5	28	2.5	30	15.09
88SJB3813				1.30	0.10	10	80	0.5	1	7.69	0.25	8	48	16	1.64	5	1	0.25	5	2.72	317	0.5	0.03	18	480	2	2.5	4	71	0.12	5	5	32	5	34	16.31
88SJB3814				1.31	0.10	15	80	1	1	7.69	0.25	7	47	15	1.60	5	0.5	0.25	5	2.64	314	0.5	0.03	17	460	2	2.5	4	71	0.11	5	5	31	2.5	32	17.53
88SJB3901				1.24	0.10	5	60	1.5	1	14.36	0.25	8	42	12	1.51	5	0.5	0.33	5	3.97	281	0.5	0.03	17	300	4	2.5	4	106	0.09	5	5	31	2.5	33	1.52
88SJB3902				1.21	0.10	15	80	1.5	1	14.48	0.25	8	45	13	1.54	5	0.5	0.35	5	3.98	286	0.5	0.03	20	300	6	2.5	4	119	0.09	5	5	30	2.5	33	2.36
88SJB3903				1.12	0.10	5	70	0.5	1	12.33	0.25	8	44	15	1.56	5	1	0.31	5	3.51	279	0.5	0.03	21	350	2	5	4	102	0.10	10	5	30	2.5	36	2.74
88SJB3904				1.15	0.10	5	70	1	1	13.42	0.25	8	48	13	1.53	5	0.5	0.30	5	3.60	279	0.5	0.03	17	320	4	2.5	4	121	0.09	10	5	28	2.5	33	4.11
88SJB3905				1.22	0.10	10	70	1	2	13.10	0.25	8	44	13	1.58	5	1	0.32	5	3.72	290	0.5	0.03	17	360	6	2.5	4	121	0.10	10	5	29	2.5	35	4.42
88SJB3906				0.95	0.10	5	50	0.5	1	11.57	0.25	6	30	13	1.29	5	0.5	0.19	5	2.82	270	0.5	0.03	13	420	8	2.5	3	97	0.08	5	5	23	5	34	6.25
88SJB3907				0.91	0.10	2.5	50	0.5	1	11.13	0.25	7	36	12	1.32	5	1	0.19	5	3.03	277	0.5	0.02	12	380	6	2.5	4	90	0.09	10	5	25	2.5	46	6.93
88SJB3908				0.92	0.10	2.5	50	0.5	4	10.30	0.25	7	45	13	1.33	5	0.5	0.17	5	3.14	273	1	0.02	15	400	6	2.5	4	85	0.09	10	5	25	2.5	26	8.08
88SJB3909				0.85	0.10	10	50	0.5	2	9.83	0.25	7	39	11	1.22	5	0.5	0.15	5	3.06	258	1	0.02	14	410	4	2.5	4	77	0.09	10	5	24	2.5	23	8.76
88SJB3910				0.70	0.10	10	40	1	1	10.92	0.25	7	39	9	1.13	5	0.5	0.14	5	3.13	244	1	0.03	13	360	6	5	3	80	0.08	5	5	22	2.5	20	10.52
88SJB3911				0.78	0.10	10	40	0.5	1	10.36	0.25	7	34	9	1.16	5	0.5	0.15	5	3.16	251	0.5	0.03	13	350	1	2.5	3	75	0.09	5	5	23	2.5	21	11.43
88SJB3912				0.76	0.10	5	40	1	1	9.70	0.25	6	30	8	1.10	5	0.5	0.14	5	3.00	240	0.5	0.02	11	320	1	2.5	3	71	0.08	5	5	22	2.5	21	12.42
88SJB3913				0.66	0.10	15	40	0.5	1	10.25	0.25	7	41	10	1.15	5	0.5	0.14	5	2.80	230	2	0.03	13	310	1	2.5	3	74	0.08	5	5	22	2.5	19	13.26
88SJB3914				0.89	0.10	5	50	0.25	1	10.30	0.25	7	48	13	1.31	5	0.5	0.19	5	2.93	251	0.5	0.03	17	390	2	2.5	4	76	0.09	5	5	25	2.5	25	14.10
88SJB3915				0.85	0.10	2.5	50	0.25	1	10.35	0.25	8	56	13	1.34	5	0.5	0.18	5	2.89	246	3	0.03	15	390	6	2.5	4	75	0.09	5	5	24	5	23	14.55
88SJB3916				0.80	0.10	2.5	50	0.25	1	10.19	0.25	7	39	10	1.24	5	0.5	0.18	5	3.05	237	1	0.04	13	400	4	2.5	3	73	0.09	5	5	23	2.5	22	16.08
88SJB3917				1.06	0.10	15	50	0.5	1	8.70	0.25	8	39	16	1.34	5	2	0.18	5	2.74	270	1	0.03	19	410	8	2.5	4	70	0.09	5	5	28	2.5	28	17.37
88SJB3918				1.04	0.10	2.5	60	0.5	1	9.30	0.25	8	41	13	1.42	5	0.5	0.21	5	2.98	279	0.5	0.03	15	410	1	2.5	4	72	0.10	5	5	28	2.5	28	18.67
88SJB3919				1.00	0.10	10	60	0.5	1	9.18	0.25	7	35	12	1.35	5	0.5	0.19	5	3.00	273	0.5	0.03	13	410	2	2.5	4	70	0.09	5	5	27	2.5	28	19.58
88SJB3920				0.95	0.10	5	60	0.25	1	8.96	0.25	7	36	12	1.31	5	0.5	0.19	5	2.94	261	0.5	0.03	15	400	4	2.5	4	66	0.09	5	5	26	2.5	26	20.88
88SJB3921				1.04	0.10	5	60	0.25	1	8.83	0.25	7	39	12	1.39	5	0.5	0.21	5	2.95	272	0.5	0.03	15	420	2	2.5	4	67	0.10	5	5	28	2.5	28	22.40
88SJB3922				0.96	0.10	2.5	50	0.25	1	8.80	0.25	7	30	11	1.27	5	1	0.18	5	2.86	260	0.5	0.03	14	390	8	2.5	4	67	0.09	5	5	26	2.5	25	23.93
88SJB3923				1.00	0.10	10	60	0.5	1	9.08	0.25	8	32	12	1.33	5	0.5	0.19	5	2.90	277	0.5	0.03	15	400	4	2.5	4	71	0.09	5	5	27	2.5	26	24.69
88SJB3924				1.21	0.10	15	80	0.25	1	8.57	0.25	8	41	15	1.56	5	1	0.23	5	2.97	285	0.5	0.03	16	430	2	5	4	68	0.11	5	5	31	2.5	33	25.76
88SJB4001				0.92	0.10	5	50	0.25	1	13.90	0.25	6	30	11	1.17	5	0.5	0.22	5	4.33	241	0.5	0.02	13	310	2	2.5	3	92	0.08	5	5	22	2.5	26	1.14
88SJB4003				1.20	0.10	10	60	0.25	1	13.30	0.25	7	40	13	1.52	5	0.5	0.32	5	4.03	260	0.5	0.04	17	330	4	2.5	4	136	0.09	5	5	27	2.5	33	2.13
88SJB4004				1.03	0.10	15	60	0.25	1	13.41	0.25	6	35	13	1.34	5	0.5	0.28	5	4.03	238	0.5	0.03	12	320	6	5	4	113	0.08	5	5	25	2.5	28	2.90
88SJB4006				1.10	0.10	10	60	0.5	1	13.24	0.25	8	40	13	1.47	5	0.5	0.29	5	3.76	267	0.5	0.03	17	270	6	2.5	4	130	0.09	5	5	29	2.5	31	4.80
88SJB4007				1.13	0.10	5	60	0.5	1	9.99	0.25	7	43	13	1.50	5	0.5	0.20	5	3.31	291	0.5	0.03	16	410	4	2.5	4	97	0.10	5	5	27	2.5	31	5.64
88SJB4008				1.15	0.10	10	60	0.25	1	9.05	0.25	8	46	15	1.52	5	0.5	0.19	5	2.98	290	1	0.03	17	430	6	2.5	4	86	0.10	5	5	28	2.5	34	6.71
88SJB4009				1.37	0.10	10	70	0.25	1	7.87	0.25	9	58	17	1.74	5	1	0.20	5	2.73	318	2	0.03	21	430	8	2.5	5	75	0.10	5	5	32	2.5	37	7.62
88SJB4010				1.20	0.10	5	90	0.25	2	7.65	0.25	9	60	17	1.77	5	0.5	0.23	5	2.64	297	2	0.04	19	400	8	2.5	4	69	0.11	5	5	31	2.5	34	8.76
88SJB4024				0.96	0.20	2.5	50	0.25	1	8.56	0.25	4	39	12	1.34	5	0.5	0.19	5	2.85	260	0.5	0.03	16	450	4	5	3	67	0.10	5	5	24	5	32	9.45
88SJB4011				1.12	0.10	2.5	70	0.25	1	9.44	0.25	7	48	14	1.60	5	0.5	0.19	5	3.20	300	1	0.03	18	430	10	2.5	4	72	0.11	5	5	29	2.5	32	9.91
88SJB4012				1.10	0.10	2.5	70	0.25	1	9.37	0.25	6	44	13	1.53	5	0.5	0.19	5	3.14	285	0.5	0.03	16	380	10	2.5	4	69	0.11	5	5	28	2.5	31	11.20
88SJB4013				0.97	0.10	10	50	0.25	1	13.34	0.25	7	35	12	1.53	5	0.5	0.19	5	3.89	269	0.5	0.02	13	320	4	2.5	4	81	0.10	5	5	29	5	28	12.65

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB4014				0.42	0.10	5	20	0.25	2	10.69	0.25	5	22	6	0.86	5	0.5	0.07	5	3.06	181	0.5	0.02	7	280	4	2.5	2	63	0.07	5	5	17	2.5	13	14.10
88SJB4015				0.60	0.10	10	30	0.5	1	13.17	0.25	5	25	7	1.05	5	0.5	0.12	5	4.08	212	0.5	0.02	8	260	4	2.5	3	73	0.07	5	5	20	2.5	17	16.08
88SJB4016				0.43	0.10	2.5	20	0.25	2	10.17	0.25	5	17	7	0.79	5	0.5	0.13	5	3.09	183	0.5	0.02	6	380	1	2.5	2	60	0.06	5	5	17	2.5	13	17.07
88SJB4017				0.87	0.10	5	50	0.25	2	9.80	0.25	8	41	15	1.32	5	1	0.18	5	2.86	260	0.5	0.03	12	480	1	2.5	4	69	0.09	5	5	27	5	26	18.14
88SJB4018				1.27	0.10	10	90	0.25	1	8.42	0.25	10	61	18	1.80	5	1	0.31	5	2.75	310	1	0.03	21	450	4	5	5	65	0.12	5	5	40	10	36	19.35
88SJB4019				1.23	0.10	5	90	0.25	1	8.97	0.25	9	49	17	1.66	5	0.5	0.30	5	2.97	312	0.5	0.02	19	460	4	2.5	5	65	0.12	5	5	38	5	35	21.21
88SJB4020				1.23	0.10	15	70	0.25	6	8.45	0.25	9	38	14	1.60	5	0.5	0.23	5	2.75	311	0.5	0.02	20	450	6	5	4	64	0.11	5	5	34	5	33	22.71
88SJB4021				1.28	0.10	10	80	0.25	4	8.63	0.25	10	43	16	1.72	5	1	0.24	5	2.88	328	0.5	0.03	20	460	2	5	5	66	0.11	5	5	36	5	36	23.16
88SJB4022				1.28	0.10	10	80	0.25	4	8.31	0.25	10	54	16	1.75	5	1	0.27	5	2.75	324	0.5	0.03	23	430	1	5	5	64	0.11	5	5	37	5	35	23.85
88SJB4023				1.20	0.10	5	80	0.25	4	8.13	0.25	9	44	15	1.62	5	0.5	0.24	5	2.63	317	0.5	0.03	19	420	2	2.5	4	63	0.10	5	5	33	5	34	24.54
88SJB4101				1.20	0.10	5	60	0.25	1	13.54	0.25	8	34	12	1.51	5	0.5	0.31	5	4.05	253	0.5	0.03	16	340	4	5	4	96	0.09	5	5	31	2.5	34	1.30
88SJB4102				0.95	0.10	5	50	0.25	1	14.96	0.25	6	31	10	1.24	5	0.5	0.26	5	4.35	235	0.5	0.03	13	310	1	2.5	4	105	0.07	5	5	25	5	26	1.98
88SJB4103				1.22	0.10	25	50	0.25	1	14.32	0.25	7	37	14	1.52	5	0.5	0.29	5	4.25	247	0.5	0.03	18	360	6	5	4	93	0.09	5	5	31	5	33	2.82
88SJB4105				0.97	0.10	15	50	0.25	1	14.65	0.25	7	32	11	1.30	5	1	0.26	5	4.41	239	0.5	0.03	13	330	6	5	4	115	0.08	5	5	26	5	28	3.87
88SJB4106				1.13	0.10	10	60	0.25	1	13.58	0.25	9	37	13	1.49	5	0.5	0.31	5	3.97	272	0.5	0.03	17	350	2	2.5	4	147	0.09	5	5	29	5	33	5.91
88SJB4107				1.17	0.10	15	60	0.25	1	14.01	0.25	8	37	13	1.57	5	0.5	0.32	5	4.05	284	0.5	0.04	17	370	4	2.5	4	154	0.09	5	5	30	5	34	6.55
88SJB4108				0.91	0.10	10	50	0.25	2	9.71	0.25	8	42	13	1.35	5	0.5	0.18	5	2.98	263	1	0.03	14	420	4	2.5	4	91	0.09	5	5	26	5	26	8.69
88SJB4109				0.93	0.10	10	60	0.25	4	8.77	0.25	9	40	11	1.30	5	0.5	0.18	5	2.69	256	0.5	0.03	14	430	4	2.5	4	76	0.09	5	5	25	10	25	10.06
88SJB4110				1.09	0.10	5	50	0.25	2	9.52	0.25	8	48	14	1.42	5	0.5	0.19	5	2.93	279	1	0.03	19	410	6	5	4	77	0.09	5	5	28	5	28	11.13
88SJB4111				1.01	0.10	5	50	0.25	2	8.54	0.25	7	40	22	1.24	5	0.5	0.17	5	2.84	256	1	0.03	15	380	6	2.5	3	67	0.09	5	5	25	2.5	36	12.04
88SJB4112				0.85	0.10	5	50	0.25	2	8.75	0.25	6	35	15	1.22	5	0.5	0.15	5	2.88	255	0.5	0.02	14	400	1	2.5	3	64	0.08	5	5	24	2.5	29	13.56
88SJB4113				0.47	0.10	2.5	20	0.25	1	11.48	0.25	4	22	7	0.81	5	0.5	0.09	5	3.88	201	0.5	0.02	7	320	2	2.5	2	65	0.06	5	5	15	2.5	15	14.02
88SJB4114				0.74	0.10	10	40	0.25	1	12.17	0.25	6	26	10	1.07	5	0.5	0.14	5	3.08	260	0.5	0.02	11	320	4	2.5	3	79	0.07	5	5	20	2.5	23	16.69
88SJB4115				0.49	0.10	5	40	0.5	2	7.50	0.25	15	22	8	2.60	5	0.5	0.17	5	1.47	871	0.5	0.01	31	460	6	2.5	2	125	0.01	5	5	29	2.5	12	17.30
88SJB4116				0.55	0.10	5	40	0.25	4	13.78	0.25	9	22	10	1.60	5	0.5	0.17	5	2.54	593	0.5	0.02	21	370	6	2.5	2	158	0.03	5	5	23	2.5	12	18.44
88SJB4201				1.72	0.10	2.5	80	0.5	1	9.64	0.25	7	49	20	2.14	5	0.5	0.38	5	2.61	345	0.5	0.03	22	450	6	2.5	5	80	0.12	5	5	38	10	54	2.29
88SJB4202				1.82	0.10	10	90	0.5	1	8.86	0.25	10	53	22	2.31	5	0.5	0.44	5	2.66	395	0.5	0.04	26	460	18	5	6	86	0.12	5	5	40	10	60	9.60
88SJB4203				1.15	0.10	2.5	60	0.5	1	11.33	0.25	7	35	17	1.53	5	0.5	0.25	5	3.16	345	0.5	0.03	18	490	12	2.5	4	88	0.10	5	5	28	5	40	28.19
88SJB4301				1.48	0.10	5	70	0.5	1	10.49	0.25	8	41	19	1.88	5	0.5	0.32	5	3.15	365	0.5	0.03	21	460	12	2.5	5	70	0.10	5	5	33	10	48	1.38
88SJB4302				1.16	0.10	2.5	90	0.25	1	9.16	0.25	10	44	28	1.89	5	0.5	0.25	5	3.19	318	0.5	0.02	20	470	8	2.5	4	58	0.10	5	5	30	2.5	40	3.12
88SJB4305				0.93	0.10	5	80	0.5	2	6.15	0.25	9	83	30	1.77	5	0.5	0.24	5	2.38	263	3	0.05	28	540	4	2.5	4	46	0.12	5	5	30	2.5	32	12.30
88SJB4306				1.21	0.10	2.5	110	0.5	2	6.01	0.25	11	69	30	1.92	5	1	0.35	5	2.28	339	2	0.06	30	610	6	2.5	5	52	0.14	5	5	38	2.5	43	15.39
88SJB4307				1.35	0.10	2.5	120	1	2	5.91	0.25	17	79	30	2.11	5	1	0.40	5	2.41	333	1	0.04	30	520	4	2.5	5	55	0.15	10	5	39	2.5	47	17.68
88SJB4308				1.33	0.10	2.5	150	1	2	5.70	0.25	125	91	29	2.12	5	1	0.44	5	2.30	319	2	0.05	33	510	4	2.5	5	57	0.16	5	5	43	2.5	44	19.96
88SJB4309				0.96	0.10	5	80	0.25	1	6.62	0.25	8	41	18	1.40	5	0.5	0.22	5	2.36	267	0.5	0.03	18	460	1	2.5	3	53	0.10	5	5	28	2.5	30	21.49
88SJB4310				0.88	0.10	2.5	50	0.25	2	8.38	0.25	7	43	13	1.32	5	0.5	0.18	5	2.48	255	1	0.03	14	390	4	2.5	3	60	0.08	5	5	24	2.5	26	22.40
88SJB4311				1.08	0.10	2.5	70	0.5	1	8.97	0.25	8	42	14	1.52	5	0.5	0.20	5	2.82	296	0.5	0.02	15	420	1	2.5	4	67	0.10	5	5	29	2.5	32	23.01
88SJB4312				1.20	0.10	5	70	0.25	1	9.31	0.25	8	45	17	1.61	5	0.5	0.22	5	2.71	302	1	0.02	18	400	2	2.5	4	71	0.09	5	5	29	2.5	33	24.23
88SJB4322				1.12	0.80	2.5	70	0.25	1	8.84	0.25	4	40	12	1.43	5	0.5	0.23	5	2.49	270	0.5	0.02	17	460	1	5	5	70	0.10	5	5	26	5	34	25.68
88SJB4313				1.19	0.10	5	70	0.25	1	9.02	0.25	7	40	14	1.57	5	1	0.22	5	2.64	292	0.5	0.02	16	420	4	2.5	4	68	0.10	5	5	29	2.5	32	26.06
88SJB4314				1.07	0.10	10	70	0.25	1	8.43	0.25	8	40	14	1.50	5	1	0.20	5	2.42	275	1	0.02	15	420	6	2.5	3	63	0.09	5	5	27	2.5	30	26.97

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB4315				0.89	0.10	2.5	60	0.25	1	8.11	0.25	7	33	13	1.35	5	0.5	0.16	5	2.47	276	0.5	0.02	13	460	4	2.5	3	56	0.09	5	5	26	2.5	26	28.12
88SJB4317				1.99	0.10	10	160	0.25	1	3.89	0.25	17	81	55	2.67	5	1	0.31	10	1.51	473	2	0.05	45	760	10	2.5	7	68	0.15	5	5	68	2.5	66	29.81
88SJB4401				1.74	0.10	10	90	0.25	1	8.79	0.25	9	51	23	2.20	5	1	0.33	5	2.76	364	0.5	0.03	23	390	12	2.5	5	63	0.12	5	5	40	2.5	51	1.22
88SJB4402				1.59	0.10	5	80	0.25	1	8.63	0.25	9	46	18	2.00	5	1	0.30	5	2.76	387	0.5	0.02	22	390	12	2.5	5	63	0.11	5	5	36	2.5	45	2.36
88SJB4403				1.54	0.10	2.5	80	0.5	1	9.45	0.25	7	48	20	1.93	5	0.5	0.35	5	2.68	365	0.5	0.03	21	510	16	2.5	5	74	0.12	5	5	36	10	52	3.35
88SJB4404				0.51	0.10	2.5	30	0.25	1	7.05	0.25	4	22	8	0.87	5	0.5	0.08	5	2.60	188	0.5	0.01	7	440	4	2.5	2	46	0.08	5	5	17	2.5	16	4.27
88SJB4406				0.90	0.10	5	50	0.25	1	7.21	0.25	6	34	14	1.28	5	1	0.16	5	2.55	242	0.5	0.02	12	430	4	2.5	3	54	0.11	5	5	26	2.5	25	4.72
88SJB4405				1.83	0.10	5	40	0.25	1	2.56	0.25	15	159	101	2.95	10	1	0.11	30	1.83	398	2	0.09	55	800	6	2.5	11	98	0.28	5	5	82	5	58	4.95
88SJB4501				1.19	0.10	5	60	0.5	1	8.89	0.25	7	34	15	1.48	5	0.5	0.22	5	3.23	325	0.5	0.03	15	490	8	5	4	62	0.10	5	5	27	5	36	2.90
88SJB4502				0.55	0.10	5	30	0.25	1	6.86	0.25	4	18	12	0.87	5	0.5	0.08	5	2.58	191	0.5	0.02	8	440	4	2.5	2	46	0.09	5	5	18	2.5	19	5.33
88SJB4503				0.43	0.10	2.5	20	0.25	1	6.54	0.25	3	20	9	0.75	5	0.5	0.07	5	2.49	164	0.5	0.01	6	430	6	2.5	2	42	0.08	5	5	16	2.5	14	7.77
88SJB4511				0.47	0.10	2.5	20	0.25	2	6.82	0.25	4	22	7	0.80	5	0.5	0.07	5	2.53	173	0.5	0.01	8	410	4	2.5	2	43	0.07	5	5	16	2.5	14	9.60
88SJB4505				0.54	0.10	2.5	30	0.25	1	7.78	0.25	4	21	9	0.81	5	0.5	0.09	5	2.70	195	0.5	0.02	10	440	4	2.5	2	51	0.08	5	5	16	5	22	13.34
88SJB4509				1.91	0.10	5	320	0.5	1	4.27	0.25	17	162	50	3.08	5	1	0.89	10	2.39	440	2	0.10	65	700	6	5	7	46	0.25	5	5	64	10	62	22.40
88SJB4601				1.42	0.10	5	70	1	1	9.05	0.25	7	42	16	1.81	5	1	0.27	5	3.12	307	0.5	0.02	18	380	6	2.5	4	66	0.12	5	5	34	2.5	39	1.45
88SJB4602				0.70	0.10	2.5	30	0.25	1	11.66	0.25	5	23	9	0.99	5	0.5	0.15	5	3.41	195	0.5	0.02	9	380	8	2.5	3	74	0.07	5	5	19	5	26	1.98
88SJB4603				0.81	0.10	5	50	0.5	1	6.78	0.25	5	33	10	1.14	5	0.5	0.15	5	2.61	235	1	0.02	13	430	10	2.5	3	46	0.10	5	5	24	2.5	23	3.89
88SJB4604				0.58	0.10	10	30	0.5	1	5.98	0.25	4	27	8	0.96	5	0.5	0.10	5	2.36	193	0.5	0.01	9	450	4	2.5	2	39	0.09	5	5	20	2.5	17	5.33
88SJB4606				0.50	0.10	2.5	20	0.25	1	6.22	0.25	2	21	8	0.79	5	0.5	0.08	5	2.38	185	0.5	0.02	8	430	6	2.5	2	40	0.07	5	5	17	5	20	11.43
88SJB4607				0.97	0.10	5	50	0.25	1	7.49	0.25	5	35	14	1.33	5	0.5	0.15	5	2.51	310	0.5	0.02	14	470	8	2.5	3	58	0.11	5	5	26	5	34	14.63
88SJB4608				0.77	0.10	2.5	40	0.25	1	7.39	0.25	5	29	11	1.10	5	0.5	0.12	5	2.71	265	0.5	0.02	12	450	6	2.5	3	53	0.09	5	5	22	5	28	20.27
88SJB4609				0.47	0.10	2.5	20	0.25	1	6.24	0.25	2	21	8	0.80	5	0.5	0.08	5	2.44	185	0.5	0.02	9	420	2	2.5	2	41	0.07	5	5	17	5	20	26.67
88SJB4610				0.81	0.10	2.5	50	0.5	1	6.60	0.25	6	40	11	1.26	5	0.5	0.20	5	2.59	255	0.5	0.02	14	450	4	2.5	3	49	0.12	10	5	27	2.5	25	30.48
88SJB4611				0.62	0.10	2.5	40	0.25	1	8.52	0.25	6	34	11	1.12	5	0.5	0.15	5	2.36	238	0.5	0.02	11	460	1	2.5	3	58	0.09	5	5	25	2.5	20	33.07
88SJB4701				1.23	0.10	10	60	0.5	1	9.48	0.25	8	44	19	1.61	5	0.5	0.26	5	2.52	360	0.5	0.04	20	490	6	2.5	4	81	0.12	5	5	32	5	42	4.42
88SJB4702				0.46	0.10	2.5	20	0.25	1	7.23	0.25	3	19	8	0.77	5	0.5	0.06	5	2.73	185	0.5	0.02	8	450	4	2.5	2	48	0.07	5	5	16	5	20	11.58
88SJB4703				0.35	0.10	2.5	20	0.25	2	6.21	0.25	5	16	5	0.64	5	0.5	0.04	5	2.40	168	0.5	0.02	5	460	1	2.5	2	42	0.07	5	5	16	2.5	10	13.26
88SJB4704				0.76	0.10	2.5	40	0.25	2	6.78	0.25	7	40	12	1.18	5	0.5	0.12	5	2.45	243	1	0.03	13	460	2	2.5	3	51	0.09	5	5	25	5	22	14.48
88SJB4705				0.86	0.10	2.5	50	0.25	2	6.73	0.25	7	49	12	1.29	5	0.5	0.15	5	2.39	256	3	0.03	14	430	4	2.5	3	52	0.09	5	5	26	5	23	16.00
88SJB4706				0.90	0.10	5	50	0.25	1	7.12	0.25	7	54	13	1.35	5	0.5	0.15	5	2.51	262	1	0.03	15	450	1	2.5	3	55	0.10	5	5	27	5	22	17.22
88SJB4707				0.88	0.10	2.5	50	0.25	2	6.94	0.25	7	41	11	1.21	5	0.5	0.16	5	2.45	247	1	0.03	12	430	2	2.5	3	53	0.09	5	5	26	2.5	22	17.98
88SJB4708				0.91	0.10	2.5	50	0.25	1	7.21	0.25	6	42	11	1.22	5	0.5	0.16	5	2.54	252	0.5	0.05	14	450	1	2.5	3	55	0.10	5	5	26	2.5	23	19.20
88SJB4713				0.75	0.10	5	40	0.25	2	6.47	0.25	6	26	8	1.02	5	0.5	0.13	5	2.30	219	0.5	0.02	11	420	2	2.5	3	48	0.08	5	5	22	5	20	20.42
88SJB4714				0.94	0.20	5	50	0.25	1	6.65	0.25	4	39	47	1.27	5	0.5	0.17	5	2.40	250	0.5	0.03	19	490	1	5	5	53	0.10	5	5	24	5	30	20.88
88SJB4709				0.98	0.10	5	50	0.25	1	6.88	0.25	7	38	12	1.30	5	0.5	0.17	5	2.49	268	0.5	0.03	15	440	1	2.5	3	53	0.10	5	5	28	2.5	25	21.56
88SJB4710				0.93	0.10	2.5	50	0.25	4	6.99	0.25	7	41	11	1.25	5	0.5	0.17	5	2.49	255	0.5	0.04	13	460	1	2.5	3	54	0.09	5	5	26	5	24	23.09
88SJB4711				1.04	0.10	5	60	0.25	2	6.37	0.25	8	40	12	1.35	5	0.5	0.19	5	2.29	269	0.5	0.03	15	450	2	2.5	4	52	0.10	5	5	29	2.5	27	25.30
88SJB4712				1.22	0.10	10	60	0.25	2	5.82	0.25	9	40	25	1.70	5	0.5	0.22	5	2.13	360	0.5	0.03	18	460	4	2.5	5	51	0.11	5	5	34	5	43	26.67
88SJB4801				1.15	0.10	10	60	0.5	1	9.36	0.25	7	42	17	1.53	5	0.5	0.23	5	2.70	340	0.5	0.03	18	480	10	2.5	4	75	0.11	5	5	30	5	40	7.16

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB4802				0.49	0.10	2.5	20	0.25	1	7.26	0.25	2	21	8	0.80	5	0.5	0.07	5	2.67	195	0.5	0.02	7	450	4	2.5	2	50	0.07	5	5	16	5	20	8.08
88SJB4803				0.51	0.10	5	20	0.25	2	6.74	0.25	5	19	5	0.76	5	0.5	0.07	5	2.48	187	0.5	0.02	6	430	4	2.5	3	50	0.08	5	5	17	2.5	13	10.52
88SJB4804				0.96	0.10	15	40	0.25	2	6.26	0.25	8	33	14	1.36	5	0.5	0.12	5	2.35	294	0.5	0.03	13	430	4	2.5	4	51	0.14	5	5	34	5	24	12.04
88SJB4805				0.52	0.10	5	20	0.25	1	6.86	0.25	4	20	5	0.81	5	0.5	0.07	5	2.75	184	0.5	0.02	8	430	6	2.5	3	49	0.09	5	5	16	2.5	14	11.43
88SJB4902				2.33	0.10	5	120	1	1	8.53	0.25	13	69	30	2.97	5	1	0.55	5	2.38	490	0.5	0.04	32	500	18	2.5	7	82	0.15	5	5	51	10	76	3.81
88SJB4903				1.31	0.10	5	70	0.5	2	11.89	0.25	8	39	19	1.69	5	1	0.29	5	2.85	390	0.5	0.03	19	490	6	2.5	4	90	0.12	5	5	32	5	44	4.72
88SJB4904				1.72	0.10	2.5	90	0.5	1	8.58	0.25	10	59	23	2.14	5	0.5	0.39	5	2.39	420	0.5	0.05	25	480	8	2.5	6	81	0.14	5	5	40	10	56	5.94
88SJB4905				0.56	0.10	2.5	30	0.25	1	7.00	0.25	4	23	5	0.86	5	0.5	0.07	5	2.70	195	0.5	0.02	9	430	4	2.5	3	52	0.09	5	5	17	2.5	16	7.77
88SJB4906				0.65	0.10	5	40	0.25	1	7.09	0.25	5	28	7	0.97	5	0.5	0.11	5	2.65	210	0.5	0.02	9	430	4	2.5	3	55	0.09	5	5	19	2.5	18	9.30
88SJB4907				0.63	0.10	2.5	30	0.25	1	6.74	0.25	5	25	6	0.91	5	0.5	0.10	5	2.53	200	0.5	0.03	9	430	6	2.5	3	53	0.09	5	5	18	2.5	16	9.91
88SJB4908				0.51	0.20	2.5	20	0.25	6	5.66	0.25	4	20	5	0.77	5	0.5	0.1	5	2	168	0.5	0	8	420	2	2.5	2	46	0.06	5	5	16	2.5	14	10.36
88SJB4909				0.57	0.10	2.5	30	0.25	1	6.20	0.25	5	25	7	0.90	5	0.5	0.09	5	2.30	182	1	0.03	8	420	6	2.5	3	49	0.08	5	5	17	2.5	15	10.82
88SJB5001				0.63	0.10	2.5	30	0.25	1	6.09	0.25	6	26	7	0.96	5	0.5	0.10	5	2.37	242	0.5	0.02	9	410	6	2.5	3	42	0.08	5	5	17	2.5	18	3.51
88SJB5002				0.57	0.10	2.5	30	0.25	1	5.91	0.25	4	26	7	0.85	5	0.5	0.09	5	2.30	215	0.5	0.02	8	390	2	2.5	3	41	0.08	5	5	17	2.5	16	4.72
88SJB5003				0.52	0.10	2.5	30	0.25	2	5.48	0.25	4	23	7	0.91	5	0.5	0.08	5	2.19	259	0.5	0.01	9	390	4	2.5	2	37	0.07	5	5	16	2.5	15	5.64
88SJB5004				0.69	0.10	2.5	40	0.5	2	6.25	0.25	6	31	11	1.04	5	1	0.11	5	2.39	240	1	0.03	12	400	1	2.5	3	44	0.09	5	5	20	2.5	19	6.55
88SJB5005				0.72	0.10	5	40	0.5	1	6.46	0.25	6	40	11	1.12	5	1	0.11	5	2.43	228	1	0.03	15	420	1	2.5	3	46	0.09	5	5	20	2.5	20	7.85
88SJB5006				0.91	0.10	2.5	50	0.5	2	6.60	0.25	7	47	13	1.33	5	1	0.15	5	2.48	261	1	0.03	17	420	8	2.5	3	47	0.10	10	5	24	2.5	26	8.69
88SJB5007				1.03	0.20	2.5	50	0.25	4	6.56	0.25	7	48	13	1.43	5	0.5	0.2	5	2.3	311	1	0	15	430	2	2.5	3	51	0.09	5	5	27	2.5	27	9.14
88SJB5008				1.39	0.10	5	70	1	1	7.22	0.25	8	61	17	1.80	5	1	0.23	5	2.59	427	2	0.03	22	420	2	2.5	5	56	0.12	10	5	32	2.5	35	9.60
88SJB5009				1.44	0.60	2.5	60	1	1	0.51	0.25	4	11	0.5	2.66	10	2	0.58	60	0.22	622	1	0.01	11	210	2	2.5	5	12	0.13	5	5	6	2.5	105	11.13
88SJB5103				2.01	0.10	5	100	1	1	9.55	0.25	11	59	25	2.45	5	0.5	0.48	5	2.55	495	0.5	0.04	28	510	6	2.5	6	83	0.14	5	5	44	10	64	9.30
88SJB5104				2.37	0.10	10	130	1	2	8.07	0.25	13	79	29	2.83	5	1	0.54	5	2.46	490	0.5	0.07	34	580	10	5	7	88	0.17	5	5	52	10	72	12.04
88SJB5105				0.50	0.10	5	20	0.25	1	6.96	0.25	4	21	8	0.79	5	0.5	0.08	5	2.48	190	0.5	0.02	7	450	1	2.5	2	49	0.07	5	5	16	5	20	15.09
88SJB5106				0.60	0.10	5	30	0.25	1	8.28	0.25	5	23	10	0.90	5	0.5	0.10	5	2.66	240	0.5	0.02	10	390	2	2.5	2	58	0.08	5	5	18	5	24	19.96
88SJB5107				0.47	0.10	2.5	20	0.25	2	6.42	0.25	4	22	19	0.81	5	0.5	0.07	5	2.54	183	0.5	0.02	9	370	1	2.5	2	45	0.08	5	5	15	2.5	18	20.73
88SJB5108	2	2	5	0.47	0.20	2.5	20	0.25	4	6.75	0.25	4	25	19	0.82	5	0.5	0.1	5	2.7	185	1	0	8	410	2	2.5	2	49	0.07	5	5	16	2.5	18	21.64
88SJB5109				0.96	0.10	2.5	50	0.25	1	6.68	0.25	8	47	13	1.33	5	0.5	0.15	5	2.44	256	2	0.03	14	450	2	2.5	4	55	0.11	5	5	25	2.5	25	22.71
88SJB5110				0.74	0.20	2.5	30	0.25	2	5.58	0.25	5	40	9	1.10	5	0.5	0.1	5	2.1	206	1	0	11	380	2	2.5	3	47	0.08	10	5	20	2.5	18	23.47
88SJB5111				0.97	0.10	2.5	50	0.25	1	6.73	0.25	8	39	11	1.34	5	0.5	0.15	5	2.46	256	1	0.03	15	440	1	2.5	4	53	0.11	5	5	26	2.5	25	24.84
88SJB5112	2	2	5	0.80	0.20	2.5	40	0.25	2	6.03	0.25	5	35	9	1.10	5	0.5	0.1	5	2.3	214	0.5	0	11	410	1	2.5	3	49	0.08	5	5	21	2.5	19	26.21
88SJB5113				0.92	0.10	10	50	0.25	1	7.11	0.25	6	40	10	1.25	5	0.5	0.15	5	2.63	251	1	0.03	14	450	2	2.5	3	54	0.10	5	5	24	2.5	24	26.67
88SJB5114				0.82	1.20	2.5	50	0.25	1	6.92	0.25	4	33	11	1.13	5	0.5	0.14	5	2.39	230	0.5	0.02	13	450	12	5	3	52	0.09	5	5	20	5	26	26.41
88SJB5204				2.15	0.10	2.5	100	1	2	8.51	0.25	12	60	28	2.65	5	0.5	0.52	5	2.43	450	0.5	0.04	29	530	8	2.5	6	79	0.13	5	5	47	10	68	13.26
88SJB5205				2.28	0.10	5	130	1	1	7.50	0.25	12	70	28	2.80	5	0.5	0.53	5	2.40	455	0.5	0.06	33	500	10	2.5	7	80	0.15	5	5	50	10	70	14.48
88SJB5206				0.39	0.10	2.5	20	0.25	1	6.55	0.25	3	16	7	0.66	5	0.5	0.05	5	2.47	165	0.5	0.02	6	460	4	2.5	2	43	0.06	5	5	13	5	16	19.35
88SJB5211				0.55	0.10	5	30	0.25	1	6.54	0.25	5	23	8	0.84	5	0.5	0.08	5	2.46	189	0.5	0.02	8	410	4	2.5	3	48	0.08	10	5	18	2.5	15	21.49
88SJB5207				0.56	0.10	2.5	30	0.25	1	6.80	0.25	5	25	8	0.85	5	0.5	0.09	5	2.56	193	0.5	0.02	9	450	4	2.5	3	48	0.08	10	5	18	2.5	16	23.93
88SJB5208				0.72	0.10	2.5	40	0.25	1	7.06	0.25	6	30	9	1.03	5	0.5	0.12	5	2.60	227	0.5	0.02	10	460	1	2.5	3	53	0.10	10	5	22	2.5	21	25.45
88SJB5209				0.77	0.10	5	40	0.25	1	6.57	0.25	6	31	9	1.06	5	0.5	0.12	5	2.44	226	0.5	0.02	12	460	6	5	3	51	0.10	10	5	23	2.5	20	26.06

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB5210				0.96	0.10	2.5	50	0.25	1	7.12	0.25	8	48	11	1.30	5	1	0.16	5	2.59	269	0.5	0.03	14	480	2	2.5	4	56	0.11	10	5	27	2.5	25	26.97
88SJB5212				0.97	0.10	2.5	50	0.25	1	6.97	0.25	7	41	11	1.29	5	0.5	0.16	5	2.53	265	1	0.03	14	470	2	2.5	4	56	0.11	10	5	27	2.5	24	28.80
88SJB5218				0.89	1.60	2.5	50	0.25	1	6.81	0.25	4	31	11	1.17	5	0.5	0.14	5	2.42	240	0.5	0.02	14	450	4	5	3	53	0.10	5	5	22	5	28	29.26
88SJB5213				0.89	0.10	2.5	50	0.25	1	6.42	0.25	6	37	10	1.17	5	0.5	0.15	5	2.37	242	0.5	0.02	12	450	2	2.5	3	50	0.10	20	5	24	2.5	22	30.02
88SJB5214				0.92	0.10	5	50	0.25	1	6.57	0.25	7	35	10	1.19	5	0.5	0.16	5	2.41	247	0.5	0.03	12	440	4	2.5	4	52	0.10	10	5	25	2.5	23	31.24
88SJB5215				1.01	0.10	2.5	60	0.25	1	7.16	0.25	7	40	11	1.31	5	0.5	0.17	5	2.61	270	0.5	0.03	13	480	4	2.5	4	57	0.11	10	5	27	2.5	25	32.46
88SJB5216	4	2	5	0.95	0.20	2.5	50	0.25	2	6.35	0.25	5	34	10	1.30	5	0.5	0.2	5	2.5	249	0.5	0	12	450	2	2.5	3	52	0.10	5	5	25	2.5	23	32.92
88SJB5217				1.18	0.10	2.5	60	0.25	1	6.53	0.25	10	49	17	1.67	5	0.5	0.20	5	2.42	322	0.5	0.04	19	490	1	2.5	5	59	0.14	10	5	33	2.5	35	33.99
88SJB5305				2.61	0.10	2.5	130	0.5	2	8.34	0.25	15	73	31	3.20	5	2	0.64	5	2.41	560	0.5	0.05	37	550	18	2.5	8	84	0.15	5	5	55	10	80	14.63
88SJB5306				1.40	0.10	2.5	70	0.5	1	9.81	0.25	8	48	20	1.78	5	0.5	0.30	5	2.64	390	0.5	0.04	20	490	10	2.5	5	85	0.13	5	5	34	10	46	17.53
88SJB5307				0.53	0.10	2.5	20	0.25	1	7.64	0.25	4	20	9	0.83	5	0.5	0.08	5	2.70	210	0.5	0.02	9	460	8	2.5	2	53	0.08	5	5	17	5	20	19.35
88SJB5308				0.51	0.10	2.5	20	0.25	1	7.73	0.25	4	21	8	0.80	5	0.5	0.07	5	2.68	200	0.5	0.02	7	490	1	2.5	2	55	0.08	5	5	17	5	20	22.10
88SJB5309				0.67	0.10	2.5	40	0.25	1	6.55	0.25	5	26	8	0.98	5	0.5	0.09	5	2.41	212	0.5	0.02	11	440	2	2.5	3	47	0.08	5	5	20	2.5	19	23.01
88SJB5310				0.74	0.10	2.5	40	0.25	1	6.66	0.25	6	37	10	1.12	5	0.5	0.11	5	2.44	230	0.5	0.02	12	460	2	2.5	3	49	0.09	5	5	22	2.5	20	23.93
88SJB5311				0.75	0.10	2.5	50	0.25	1	6.27	0.25	7	46	12	1.23	5	0.5	0.11	5	2.24	238	2	0.03	12	450	2	2.5	3	48	0.09	5	5	22	2.5	22	24.54
88SJB5312				0.85	0.10	5	50	0.25	1	6.41	0.25	7	48	13	1.33	5	0.5	0.13	5	2.24	255	2	0.03	14	450	2	2.5	3	50	0.09	5	5	24	2.5	23	25.15
88SJB5313				0.76	0.10	10	40	0.25	1	6.25	0.25	7	39	10	1.15	5	0.5	0.11	5	2.22	228	2	0.03	12	450	2	2.5	3	48	0.09	5	5	22	2.5	20	25.76
88SJB5314				0.75	0.20	5	40	0.25	4	5.81	0.25	4	32	10	1.07	5	0.5	0.1	5	2.3	208	0.5	0	9	410	1	2.5	3	46	0.08	5	5	21	2.5	19	26.21
88SJB5321				0.79	0.10	2.5	40	0.25	1	6.67	0.25	4	31	9	1.09	5	1	0.12	5	2.37	225	0.5	0.02	13	470	8	2.5	3	49	0.10	5	5	20	5	26	26.29
88SJB5315				0.78	0.10	2.5	40	0.25	1	6.64	0.25	6	32	10	1.08	5	0.5	0.11	5	2.42	235	0.5	0.02	13	500	2	2.5	3	50	0.10	5	5	23	2.5	20	26.67
88SJB5316				0.85	0.10	2.5	40	0.25	1	6.47	0.25	9	44	11	1.33	5	0.5	0.17	5	2.17	353	2	0.04	16	510	6	2.5	3	47	0.09	5	5	26	2.5	25	26.97
88SJB5317				4.49	0.10	10	20	1	1	1.09	0.25	57	68	128	###	20	10	0.06	10	3.21	###	0.5	0.04	49	590	24	5	22	22	0.44	5	5	289	2.5	212	27.51
88SJB5319				4.13	0.10	2.5	20	0.25	1	1.24	0.5	56	62	91	9.59	20	0.5	0.28	10	2.49	###	0.5	0.02	47	610	1	2.5	39	19	0.30	5	5	291	2.5	202	28.19
88SJB5320	4	2	5	4.80	0.20	15	20	0.25	1	0.87	0.5	53	54	93	###	20	0.5	0.3	10	2.7	###	0.5	0	44	570	1	5	41	17	0.33	5	5	300	2.5	241	28.50
88SJB5402				2.53	0.10	2.5	130	0.5	1	8.52	0.25	13	72	32	3.15	5	2	0.60	5	2.41	520	0.5	0.04	37	500	14	5	7	75	0.15	5	5	54	10	80	3.96
88SJB5403				0.56	0.10	5	30	0.25	1	7.18	0.25	7	21	6	0.82	5	0.5	0.10	5	2.44	186	0.5	0.03	11	450	1	5	2	46	0.07	5	5	19	2.5	15	5.33
88SJB5404				0.91	0.10	2.5	50	0.25	1	7.37	0.25	7	35	11	1.22	5	0.5	0.15	5	2.65	262	0.5	0.02	12	500	1	2.5	4	54	0.11	5	5	25	2.5	24	7.16
88SJB5404				1.59	0.10	5	80	0.5	1	8.94	0.25	9	47	23	2.03	5	0.5	0.36	5	2.60	415	0.5	0.04	23	540	10	2.5	5	74	0.12	5	5	37	10	52	7.16
88SJB5405				1.87	0.10	2.5	100	0.5	1	8.61	0.25	11	63	26	2.32	5	1	0.41	5	2.46	445	0.5	0.05	28	500	12	2.5	6	84	0.15	5	5	44	10	60	9.45
88SJB5405				0.90	0.10	2.5	50	0.25	1	6.95	0.25	6	35	10	1.18	5	0.5	0.15	5	2.48	253	0.5	0.02	12	460	4	2.5	4	52	0.10	5	5	24	2.5	23	9.45
88SJB5406				1.03	0.10	2.5	50	0.25	1	7.55	0.25	8	35	11	1.34	5	0.5	0.18	5	2.69	280	0.5	0.03	14	500	6	2.5	4	58	0.11	5	5	28	2.5	26	11.43
88SJB5406				0.41	0.10	2.5	20	0.25	1	6.30	0.25	3	17	7	0.73	5	1	0.06	5	2.37	175	0.5	0.02	8	440	2	2.5	2	42	0.06	5	5	15	5	18	11.43
88SJB5407				0.99	0.10	2.5	50	0.25	1	7.30	0.25	7	33	11	1.26	5	0.5	0.17	5	2.58	272	0.5	0.02	12	460	4	2.5	4	56	0.10	5	5	26	2.5	24	13.26
88SJB5408				0.88	0.10	5	50	0.25	1	6.91	0.25	7	30	10	1.15	5	0.5	0.15	5	2.40	248	0.5	0.02	13	450	1	2.5	3	53	0.09	5	5	23	2.5	22	14.78
88SJB5409				0.81	0.10	2.5	40	0.25	1	6.62	0.25	6	26	8	1.06	5	0.5	0.13	5	2.33	237	0.5	0.02	11	440	1	2.5	3	49	0.08	5	5	22	2.5	20	16.61
88SJB5410				0.86	0.10	2.5	40	0.25	1	7.40	0.25	8	27	8	1.40	5	0.5	0.12	5	2.43	320	0.5	0.03	12	480	8	2.5	4	54	0.13	5	5	29	2.5	25	18.14
88SJB5411				0.77	0.10	2.5	40	0.25	1	7.21	0.25	7	25	9	1.10	5	0.5	0.11	5	2.59	280	0.5	0.02	11	470	6	2.5	3	50	0.09	5	5	22	2.5	21	20.57
88SJB5412	4	2	5	0.48	0.20	2.5	20	0.25	4	5.36	0.25	4	20	5	0.77	5	0.5	0.1	5	2.1	177	0.5	0	6	400	1	2.5	2	39	0.06	5	5	16	2.5	13	21.49
88SJB5413				0.54	0.10	2.5	30	0.25	1	6.41	0.25	5	21	6	0.84	5	0.5	0.07	5	2.40	215	0.5	0.02	8	450	2	2.5	3	44	0.08	5	5	17	2.5	15	21.95
88SJB5415				0.57	0.10	2.5	30	0.25	1	6.89	0.25	6	22	7	0.93	5	1	0.07	5	2.55	252	1	0.02	9	450	1	2.5	3	47	0.08	5	5	18	2.5	18	22.71
88SJB5507				0.48	0.10	2.5	20	0.25	2	6.96	0.25	5	22	6	0.75	5	0.5	0.08	5	2.50	178	0.5	0.02	8	460	4	2.5	3	48	0.07	10	5	16	2.5	13	21.49

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB5508				0.53	0.10	2.5	30	0.25	2	7.13	0.25	6	22	6	0.81	5	0.5	0.08	5	2.56	191	0.5	0.02	9	480	4	2.5	3	50	0.08	10	5	17	2.5	15	22.40
88SJB5509				0.53	0.10	2.5	30	0.25	2	6.81	0.25	5	23	5	0.82	5	0.5	0.08	5	2.49	189	0.5	0.02	9	490	2	2.5	3	50	0.08	5	5	18	2.5	15	22.71
88SJB5603				1.30	0.10	2.5	60	0.5	2	11.47	0.25	8	39	19	1.65	5	0.5	0.29	5	2.75	380	0.5	0.03	19	470	12	2.5	4	86	0.11	5	5	31	5	44	8.99
88SJB5604				1.41	0.10	2.5	70	0.5	1	9.49	0.25	8	49	20	1.80	5	0.5	0.30	5	2.68	390	0.5	0.04	21	490	12	2.5	5	81	0.13	5	5	34	10	46	10.51
88SJB5605				0.57	0.10	5	30	0.25	2	8.01	0.25	5	21	7	0.89	5	0.5	0.07	5	2.73	228	0.5	0.03	9	480	4	2.5	3	58	0.09	5	5	19	2.5	16	15.09
88SJB5606				0.55	0.10	2.5	30	0.25	2	7.38	0.25	5	21	6	0.84	5	0.5	0.07	5	2.67	201	1	0.02	9	500	8	2.5	3	53	0.09	5	5	18	2.5	14	16.00
88SJB5607				0.59	0.10	5	20	0.25	2	6.55	0.25	9	20	23	1.10	5	0.5	0.05	5	2.55	260	0.5	0.02	8	460	1	2.5	3	46	0.11	5	5	24	2.5	135	17.53
88SJB5703				1.60	0.10	2.5	80	0.5	1	9.59	0.25	10	48	23	2.00	5	0.5	0.37	5	2.74	430	0.5	0.04	22	540	10	2.5	5	79	0.12	5	5	37	5	52	16.61
88SJB5704				1.36	0.10	2.5	70	0.5	1	11.00	0.25	8	40	19	1.74	5	0.5	0.31	5	2.64	390	0.5	0.03	19	480	6	2.5	5	86	0.12	5	5	33	5	46	19.05
88SJB5705				0.42	0.10	2.5	20	0.25	1	7.02	0.25	3	17	7	0.71	5	0.5	0.06	5	2.63	175	0.5	0.02	7	450	2	2.5	2	46	0.06	5	5	15	5	18	23.62
88SJB5706				0.54	0.10	2.5	30	0.25	2	6.99	0.25	4	24	9	0.85	5	0.5	0.08	5	2.62	188	1	0.02	10	450	2	2.5	3	50	0.08	10	5	17	2.5	15	24.54
88SJB5707				0.56	0.10	5	30	0.25	2	6.73	0.25	5	27	9	0.89	5	0.5	0.09	5	2.47	189	1	0.02	10	440	2	2.5	3	49	0.08	5	5	17	2.5	15	26.67
88SJB5708				0.41	0.10	2.5	20	0.25	2	6.62	0.25	4	23	6	0.70	5	0.5	0.07	5	2.53	159	1	0.02	8	460	1	2.5	2	44	0.07	10	5	14	2.5	11	30.02
88SJB5709				0.58	0.10	5	30	0.25	2	7.04	0.25	6	42	11	1.06	5	0.5	0.09	5	2.60	207	3	0.03	11	480	1	2.5	3	50	0.08	5	5	18	2.5	17	31.85
88SJB5710				0.56	0.10	5	30	0.25	2	6.85	0.25	5	41	10	1.01	5	0.5	0.08	5	2.54	199	3	0.02	11	460	2	2.5	3	49	0.08	5	5	18	2.5	16	33.38
88SJB5711				0.53	0.10	2.5	30	0.25	2	6.35	0.25	5	24	7	0.83	5	0.5	0.08	5	2.39	185	0.5	0.02	9	450	4	2.5	3	44	0.08	5	5	17	2.5	15	33.83
88SJB5712				0.84	0.10	5	50	0.25	2	7.13	0.25	7	35	11	1.21	5	0.5	0.13	5	2.64	251	1	0.02	14	490	4	2.5	3	53	0.10	5	5	24	2.5	23	35.81
88SJB5713				0.86	0.10	5	50	0.25	2	6.71	0.25	6	37	11	1.20	5	0.5	0.14	5	2.51	248	1	0.03	13	460	2	2.5	3	51	0.10	5	5	24	2.5	23	37.95
88SJB5714				0.77	0.10	2.5	40	0.25	2	6.53	0.25	6	34	10	1.08	5	1	0.12	5	2.43	225	1	0.02	12	460	1	2.5	3	48	0.09	5	5	22	2.5	20	40.39
88SJB5715	8	2	5	0.80	0.20	2.5	40	0.25	2	6.03	0.25	5	31	9	1.12	5	0.5	0.1	5	2.4	219	0.5	0	10	420	1	2.5	3	47	0.08	5	5	21	2.5	20	41.30
88SJB5716				0.94	0.10	2.5	50	0.25	2	7.14	0.25	6	37	11	1.29	5	0.5	0.15	5	2.63	259	0.5	0.03	13	470	1	2.5	4	56	0.11	10	5	25	2.5	25	41.61
88SJB5807				0.43	0.10	2.5	20	0.25	2	6.98	0.25	4	18	5	0.77	5	0.5	0.05	5	2.65	183	0.5	0.02	8	490	2	2.5	2	47	0.08	5	5	16	2.5	13	33.07
88SJB5808				0.73	0.10	2.5	40	0.25	2	6.71	0.25	6	24	8	1.04	5	0.5	0.12	5	2.44	223	0.5	0.02	11	440	1	2.5	3	52	0.09	5	5	21	2.5	19	34.90
88SJB5809				0.74	0.10	10	40	0.25	2	6.70	0.25	6	26	8	1.06	5	0.5	0.11	5	2.44	224	0.5	0.02	12	450	1	2.5	3	53	0.09	5	5	21	2.5	19	35.81
88SJB5810				0.87	0.10	5	40	0.25	2	6.72	0.25	7	31	9	1.20	5	0.5	0.13	5	2.49	243	0.5	0.02	12	460	2	2.5	3	54	0.10	5	5	25	2.5	21	36.88
88SJB5811				0.96	0.10	5	50	0.25	1	5.91	0.25	7	45	11	1.38	5	0.5	0.14	5	2.10	264	2	0.03	17	440	1	2.5	4	50	0.10	5	5	27	2.5	23	39.47
88SJB5812				1.03	0.10	2.5	50	0.25	1	6.54	0.25	8	39	12	1.37	5	0.5	0.17	5	2.32	269	0.5	0.03	18	470	6	2.5	4	54	0.10	5	5	29	2.5	28	41.00
88SJB5813	6	2	5	1.01	0.20	5	40	0.25	2	5.59	0.25	7	40	12	1.43	5	0.5	0.2	5	2.3	250	0.5	0	20	390	4	2.5	3	48	0.08	5	5	26	2.5	25	42.21
88SJB5814				1.68	0.10	5	50	0.25	1	5.96	0.25	20	67	32	2.81	5	0.5	0.18	5	3.42	401	0.5	0.03	133	450	4	2.5	5	55	0.13	5	5	39	2.5	36	42.82
88SJB5902				1.98	0.10	2.5	100	0.5	1	8.56	0.25	11	58	24	2.48	5	0.5	0.48	5	2.63	410	0.5	0.04	28	460	10	2.5	6	67	0.13	5	5	44	10	62	4.72
88SJB5903				0.42	0.10	2.5	20	0.25	1	6.76	0.25	5	22	6	0.82	5	0.5	0.06	5	2.34	180	0.5	0.01	9	460	1	2.5	2	43	0.07	5	5	17	2.5	13	15.09
88SJB5904				0.41	0.10	5	20	0.25	4	6.76	0.25	5	19	7	0.80	5	0.5	0.06	5	2.43	180	0.5	0.01	8	430	4	2.5	2	43	0.07	5	5	16	2.5	13	12.65
88SJB5905				0.98	0.10	2.5	40	0.25	4	3.87	0.25	11	52	19	1.78	5	0.5	0.12	10	1.33	408	2	0.03	23	670	6	2.5	4	45	0.12	5	5	34	2.5	29	20.88
88SJB5906				1.60	0.10	2.5	70	0.25	2	4.62	0.25	15	55	100	2.90	5	1	0.19	5	1.57	487	2	0.15	28	630	6	2.5	7	56	0.20	5	5	70	2.5	44	21.64
88SJB5907				1.67	0.10	2.5	60	0.25	1	3.17	0.25	14	61	39	2.68	10	0.5	0.17	10	1.12	531	3	0.05	32	550	10	2.5	5	58	0.13	5	5	40	2.5	49	24.23
88SJB6001				1.90	0.10	10	90	0.5	1	10.03	0.25	10	54	23	2.34	5	0.5	0.48	5	2.82	430	0.5	0.05	25	490	6	2.5	6	90	0.13	5	5	43	10	58	11.73
88SJB6002				1.12	0.10	2.5	50	0.25	1	12.54	0.25	7	34	16	1.45	5	0.5	0.26	5	2.99	375	0.5	0.03	16	480	4	2.5	4	90	0.11	5	5	29	5	38	19.05
88SJB6101				0.73	0.10	2.5	40	0.5	2	6.76	0.25	5	27	9	1.02	5	0.5	0.13	5	2.47	218	0.5	0.02	11	380	4	2.5	3	46	0.09	5	5	20	2.5	20	2.90

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB6102				0.89	0.10	5	50	0.5	1	7.42	0.25	6	31	11	1.22	5	0.5	0.15	5	2.65	252	0.5	0.02	14	420	4	2.5	3	52	0.10	5	5	24	2.5	24	4.42
88SJB6103				1.35	0.10	2.5	70	1	1	7.48	0.25	8	49	15	1.66	5	0.5	0.23	5	2.63	312	0.5	0.03	21	450	4	2.5	5	55	0.12	5	5	32	2.5	35	8.69
88SJB6104				1.16	0.10	2.5	60	1	1	7.42	0.25	7	40	12	1.48	5	0.5	0.19	5	2.64	286	0.5	0.03	15	450	1	2.5	4	53	0.11	5	5	29	2.5	30	11.13
88SJB6105				0.99	0.10	5	50	0.5	1	6.88	0.25	6	37	10	1.32	5	0.5	0.16	5	2.47	258	0.5	0.02	13	420	1	2.5	4	50	0.10	5	5	26	2.5	25	13.87
88SJB6106				0.90	0.10	2.5	50	0.5	2	6.48	0.25	6	34	10	1.23	5	0.5	0.15	5	2.40	241	0.5	0.02	14	420	4	2.5	3	49	0.10	5	5	25	2.5	23	16.31
88SJB6111				0.56	0.10	2.5	30	0.25	1	6.54	0.25	3	20	8	0.80	5	0.5	0.09	5	2.42	190	0.5	0.02	8	470	2	2.5	2	46	0.08	5	5	18	5	20	23.01
88SJB6112				0.67	0.10	2.5	30	0.25	1	7.55	0.25	5	25	9	0.94	5	1	0.11	5	2.75	235	0.5	0.02	10	420	4	2.5	3	53	0.09	5	5	20	5	24	26.37
88SJB6114				1.46	0.10	2.5	80	1	1	6.87	0.25	9	53	18	1.88	5	0.5	0.25	5	2.57	368	0.5	0.03	21	420	8	2.5	5	59	0.13	5	5	35	2.5	41	29.11
88SJB6115				1.43	0.10	5	80	1	1	7.37	0.25	8	50	18	1.83	5	0.5	0.25	5	2.77	358	0.5	0.03	20	430	4	2.5	5	62	0.14	5	5	35	2.5	42	30.33
88SJB6116				1.26	0.10	2.5	70	1	1	7.99	0.25	8	43	17	1.66	5	0.5	0.20	5	2.96	339	0.5	0.03	18	440	14	2.5	5	62	0.13	5	5	32	2.5	37	31.62
88SJB6119				0.59	0.10	5	30	0.25	2	7.70	0.25	5	33	8	1.02	5	0.5	0.08	5	2.74	204	1	0.02	7	400	6	2.5	3	55	0.08	5	5	19	2.5	17	35.51
88SJB6120				0.68	0.10	2.5	40	0.25	2	7.71	0.25	5	29	7	1.01	5	0.5	0.11	5	2.75	214	0.5	0.02	9	370	6	2.5	3	56	0.08	5	5	19	2.5	18	36.42
88SJB6121				0.89	0.10	2.5	50	0.5	1	8.61	0.25	6	38	10	1.24	5	1	0.15	5	2.96	254	0.5	0.02	12	410	6	2.5	3	65	0.10	5	5	24	2.5	24	37.64
88SJB6122				0.85	0.10	2.5	50	0.25	2	8.34	0.25	5	35	9	1.17	5	0.5	0.14	5	2.84	240	0.5	0.02	11	390	6	2.5	3	64	0.10	5	5	22	2.5	23	39.47
88SJB6123				1.07	0.10	2.5	60	0.5	1	8.36	0.25	7	41	11	1.39	5	0.5	0.19	5	2.85	274	0.5	0.03	15	390	1	2.5	4	67	0.10	5	5	26	2.5	28	41.61
88SJB6124				1.05	0.10	2.5	60	0.5	2	8.47	0.25	7	41	10	1.35	5	0.5	0.19	5	2.85	274	0.5	0.03	14	400	6	2.5	4	68	0.10	5	5	26	2.5	27	44.04
88SJB6125				1.00	0.10	2.5	60	0.5	2	8.38	0.25	7	46	12	1.35	5	0.5	0.19	5	2.82	268	1	0.03	14	390	4	2.5	3	64	0.09	10	5	24	2.5	26	45.57
88SJB6126				1.03	0.10	2.5	70	0.5	1	8.83	0.25	7	49	12	1.43	5	1	0.18	5	2.94	295	2	0.03	15	410	10	2.5	4	69	0.10	5	5	26	2.5	28	47.09
88SJB6201				0.45	0.10	5	20	0.25	2	6.57	0.25	5	18	9	0.87	5	0.5	0.05	5	2.57	157	0.5	0.01	9	440	1	2.5	2	42	0.08	5	5	19	2.5	14	3.05
88SJB6202				0.56	0.10	2.5	30	0.25	2	7.94	0.25	5	23	7	0.87	5	0.5	0.09	5	2.77	201	0.5	0.02	9	430	4	2.5	3	51	0.07	5	5	17	2.5	16	3.51
88SJB6203				0.85	0.10	10	40	0.5	1	6.74	0.25	6	35	10	1.20	5	0.5	0.13	5	2.56	247	0.5	0.02	14	400	4	2.5	3	47	0.09	5	5	23	2.5	23	5.03
88SJB6204				0.84	0.10	5	40	0.25	1	6.69	0.25	6	31	10	1.18	5	1	0.13	5	2.53	244	0.5	0.02	14	410	8	2.5	3	48	0.10	5	5	23	2.5	22	7.47
88SJB6205				0.83	0.10	5	40	0.5	4	6.97	0.25	5	29	9	1.16	5	0.5	0.12	5	2.60	252	0.5	0.02	12	440	1	2.5	3	49	0.10	5	5	23	2.5	21	10.52
88SJB6206				0.83	0.10	2.5	40	0.25	1	6.80	0.25	6	29	9	1.18	5	0.5	0.12	5	2.60	260	0.5	0.02	12	480	1	2.5	3	49	0.10	5	5	24	2.5	21	12.65
88SJB6207				1.04	0.10	2.5	50	0.5	2	7.23	0.25	7	37	12	1.40	5	0.5	0.15	5	2.72	311	1	0.02	15	430	4	2.5	4	54	0.12	5	5	27	2.5	28	13.87
88SJB6208				0.81	0.10	2.5	40	0.25	2	6.42	0.25	6	28	9	1.12	5	0.5	0.12	5	2.45	231	0.5	0.02	12	400	1	2.5	3	46	0.10	5	5	22	2.5	21	15.39
88SJB6209				0.54	0.10	2.5	30	0.25	4	6.33	0.25	5	29	6	0.93	5	0.5	0.08	5	2.18	203	0.5	0.02	10	410	1	2.5	2	44	0.08	5	5	17	2.5	15	18.75
88SJB6210				0.56	0.10	5	30	0.25	2	6.59	0.25	5	24	5	0.94	5	0.5	0.08	5	2.33	219	0.5	0.02	10	460	2	2.5	3	47	0.09	5	5	18	2.5	15	20.57
88SJB6211				0.46	0.10	2.5	20	0.25	2	6.15	0.25	5	20	5	0.78	5	0.5	0.06	5	2.31	186	0.5	0.02	8	390	2	2.5	2	41	0.07	5	5	16	2.5	13	23.32
88SJB6212				0.54	0.10	2.5	30	0.25	2	6.20	0.25	6	26	6	0.89	5	0.5	0.08	5	2.28	202	0.5	0.02	9	390	2	2.5	3	41	0.08	5	5	18	2.5	15	25.45
88SJB6214				0.55	0.10	5	30	0.25	1	8.16	0.25	5	23	6	0.90	5	0.5	0.09	5	2.79	216	0.5	0.02	8	390	2	2.5	3	56	0.08	5	5	18	2.5	15	29.72
88SJB6215				1.10	0.10	5	70	0.5	1	8.12	0.25	8	39	13	1.49	5	0.5	0.19	5	2.72	309	1	0.03	17	440	4	2.5	4	62	0.10	5	5	29	2.5	31	30.33
88SJB6216				1.13	0.10	5	70	0.5	1	7.78	0.25	8	46	13	1.54	5	0.5	0.20	5	2.61	316	1	0.03	18	410	6	2.5	4	62	0.10	5	5	29	2.5	31	31.55
88SJB6303				1.59	0.10	2.5	80	0.25	1	7.83	0.25	12	49	21	2.11	5	0.5	0.37	5	2.60	355	0.5	0.04	24	520	8	2.5	5	69	0.11	5	5	37	5	54	9.83
88SJB6304				0.67	0.10	2.5	40	0.25	1	8.49	0.25	7	27	11	1.00	5	0.5	0.12	5	2.80	240	0.5	0.03	12	460	4	2.5	3	62	0.09	5	5	20	5	26	13.41
88SJB6305				0.63	0.10	5	40	0.5	1	8.18	0.25	6	26	8	1.00	5	0.5	0.10	5	2.79	230	0.5	0.02	12	430	8	2.5	3	60	0.09	5	5	20	2.5	19	14.78
88SJB6308				1.36	0.10	2.5	50	0.5	1	5.51	0.25	12	32	18	1.85	5	1	0.12	5	2.38	595	0.5	0.03	22	550	2	2.5	4	108	0.11	5	5	26	2.5	41	22.17
88SJB6401				1.59	0.10	5	80	0.25	1	8.67	0.25	11	48	20	2.04	5	0.5	0.38	5	2.56	375	0.5	0.04	23	480	4	2.5	5	78	0.12	5	5	37	10	52	6.10
88SJB6402				0.74	0.10	10	40	0.25	1	7.43	0.25	7	25	8	1.06	5	0.5	0.14	5	2.54	238	0.5	0.03	12	400	6	2.5	3	58	0.09	5	5	21	2.5	21	8.53
88SJB6403				0.57	0.10	2.5	30	0.25	1	7.54	0.25	5	23	6	0.86	5	0.5	0.09	5	2.71	208	0.5	0.02	8	410	1	2.5	3	57	0.09	5	5	18	2.5	16	9.14
88SJB6404				0.46	0.10	5	20	0.25	1	6.93	0.25	4	14	5	0.70	5	0.5	0.11	5	2.56	178	0.5	0.03	7	390	2	2.5	3	57	0.08	5	5	15	2.5	12	9.91

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB6501				1.67	0.10	2.5	90	0.5	1	9.25	0.25	11	48	20	2.11	5	0.5	0.41	5	2.99	380	0.5	0.04	22	470	6	2.5	5	84	0.12	5	5	38	10	54	6.55
88SJB6502				2.03	0.10	2.5	110	0.5	1	8.68	0.25	13	60	24	2.56	5	0.5	0.50	5	2.64	435	0.5	0.05	28	480	2	2.5	6	84	0.13	5	5	45	10	64	10.52
88SJB6503				0.39	0.10	2.5	20	0.25	1	7.80	0.25	5	18	8	0.73	5	0.5	0.07	5	2.76	170	0.5	0.02	7	470	1	2.5	2	49	0.07	5	5	15	5	18	23.32
88SJB6504				0.35	0.10	2.5	20	0.25	1	6.64	0.25	5	19	10	0.76	5	0.5	0.05	5	2.40	155	0.5	0.02	8	510	2	2.5	2	43	0.07	5	5	17	5	20	33.99
88SJB6505				0.43	0.10	2.5	20	0.25	1	7.50	0.25	5	18	9	0.79	5	0.5	0.07	5	2.63	180	0.5	0.02	7	480	1	2.5	2	47	0.07	5	5	16	5	20	39.47
88SJB6506				1.93	0.10	2.5	50	0.5	1	4.28	0.25	16	65	32	2.84	10	1	0.12	5	1.97	401	1	0.02	35	550	2	2.5	5	67	0.23	5	5	43	2.5	64	40.69
88SJB6507				3.93	0.10	5	20	1	1	2.43	0.25	38	154	94	7.39	10	1	0.02	10	2.52	###	2	0.02	83	430	1	5	12	48	0.58	5	5	144	2.5	108	43.13
88SJB6601				2.11	0.10	5	100	0.5	1	8.52	0.25	14	61	28	2.69	5	0.5	0.46	5	2.56	385	0.5	0.03	30	490	6	2.5	6	70	0.13	5	5	47	10	68	1.98
88SJB6602				2.01	0.10	15	110	0.5	1	8.60	0.25	13	60	26	2.64	5	0.5	0.49	5	2.62	440	0.5	0.04	30	500	12	2.5	6	84	0.13	5	5	46	10	66	5.56
88SJB6701				0.54	0.10	2.5	20	0.25	1	6.51	0.25	6	18	8	0.85	5	0.5	0.07	5	2.55	197	0.5	0.02	11	440	2	2.5	3	48	0.09	5	5	18	2.5	15	1.68
88SJB6702				0.42	0.10	2.5	20	0.25	1	6.36	0.25	4	16	4	0.69	5	0.5	0.05	5	2.55	165	0.5	0.02	6	430	4	2.5	2	45	0.08	5	5	15	2.5	11	5.03
88SJB6703				0.41	0.10	5	20	0.25	1	6.16	0.25	4	17	5	0.70	5	0.5	0.05	5	2.44	161	0.5	0.02	8	420	2	2.5	2	44	0.08	5	5	15	2.5	11	7.47
88SJB6704				0.50	0.10	2.5	30	0.25	1	6.24	0.25	5	30	7	0.84	5	0.5	0.08	5	2.45	178	0.5	0.02	10	420	1	2.5	3	45	0.08	5	5	17	2.5	14	8.08
88SJB6705				0.37	0.10	2.5	20	0.25	4	5.97	0.25	4	23	5	0.69	5	0.5	0.06	5	2.37	150	1	0.02	8	400	1	2.5	2	40	0.06	5	5	13	2.5	11	9.60
88SJB6706				0.52	0.10	5	30	0.25	1	6.24	0.25	5	18	6	0.83	5	0.5	0.07	5	2.42	184	0.5	0.02	10	400	2	5	2	46	0.08	5	5	17	2.5	15	11.73
88SJB6707				0.92	0.10	2.5	40	0.25	1	6.02	0.25	9	32	23	1.44	5	0.5	0.12	5	2.29	262	1	0.04	14	430	1	2.5	3	49	0.11	5	5	32	2.5	26	14.10
88SJB6708				1.06	0.10	5	50	0.25	1	6.83	0.25	11	42	14	1.56	5	0.5	0.15	5	2.53	321	0.5	0.03	17	440	2	2.5	4	55	0.11	5	5	30	2.5	31	16.00
88SJB6709				1.00	0.10	2.5	50	0.25	1	8.11	0.25	8	36	11	1.44	5	0.5	0.15	5	2.67	305	0.5	0.03	14	420	4	2.5	4	61	0.10	5	5	27	2.5	29	18.14
88SJB6710				0.91	0.10	2.5	40	0.5	1	7.44	0.25	8	35	11	1.35	5	0.5	0.13	5	2.43	281	0.5	0.02	14	400	2	2.5	4	56	0.09	5	5	25	2.5	27	19.66
88SJB6711				0.89	0.10	2.5	40	0.25	2	8.07	0.25	7	33	12	1.34	5	0.5	0.13	5	2.59	284	1	0.02	12	390	2	2.5	3	59	0.09	5	5	25	2.5	27	20.27
88SJB6712				0.92	0.10	2.5	50	0.25	2	8.37	0.25	7	38	12	1.36	5	0.5	0.13	5	2.69	289	1	0.03	14	410	2	2.5	4	63	0.09	5	5	25	2.5	26	22.71
88SJB6713				0.86	0.10	2.5	40	0.25	2	8.00	0.25	7	32	12	1.31	5	0.5	0.13	5	2.62	284	0.5	0.02	13	420	2	2.5	3	60	0.09	5	5	24	2.5	26	25.53
88SJB6714				0.74	0.10	2.5	40	0.25	2	7.95	0.25	7	26	9	1.14	5	0.5	0.10	5	2.61	262	0.5	0.02	10	390	1	2.5	3	58	0.07	5	5	22	2.5	22	27.28
88SJB6715				0.93	0.10	5	50	0.25	2	8.34	0.25	7	30	11	1.35	5	0.5	0.13	5	2.77	308	1	0.03	13	410	2	2.5	4	66	0.10	5	5	27	2.5	26	29.72
88SJB6716				0.64	0.10	5	30	0.25	2	8.68	0.25	5	23	7	0.97	5	0.5	0.08	5	2.94	254	0.5	0.02	9	390	2	2.5	3	63	0.09	5	5	20	2.5	17	31.85
88SJB6717				0.76	0.10	2.5	30	0.25	2	6.45	0.25	6	28	7	1.10	5	0.5	0.10	5	2.21	233	0.5	0.03	10	470	1	2.5	3	54	0.10	5	5	23	2.5	18	33.60
88SJB6718				0.80	0.10	2.5	40	0.25	2	5.96	0.25	7	44	10	1.33	5	0.5	0.10	5	1.96	245	2	0.04	15	460	1	2.5	3	54	0.11	5	5	26	2.5	21	35.20
88SJB6719				0.76	0.10	2.5	40	0.25	2	6.28	0.25	7	49	11	1.36	5	1	0.11	5	2.02	250	2	0.04	17	490	1	2.5	3	52	0.10	5	5	25	2.5	22	35.81
88SJB6720				0.85	0.10	2.5	40	0.25	2	6.21	0.25	8	42	11	1.39	5	0.5	0.11	5	1.98	268	1	0.03	16	470	1	2.5	3	52	0.10	5	5	25	2.5	25	36.73
88SJB6721	4	2	5	0.72	0.20	2.5	30	0.25	4	5.19	0.25	5	35	9	1.19	5	0.5	0.1	5	1.8	221	0.5	0	12	420	1	2.5	3	43	0.07	5	5	22	2.5	19	37.49
88SJB6722				0.99	0.10	10	40	0.25	2	6.15	0.25	8	43	16	1.49	5	0.5	0.13	5	2.04	291	1	0.05	19	470	1	2.5	4	52	0.11	5	5	28	2.5	27	37.95
88SJB6801				0.32	0.10	2.5	10	0.25	2	5.59	0.25	3	12	4	0.59	5	0.5	0.02	5	2.30	126	0.5	0.01	5	430	1	2.5	2	37	0.07	5	5	13	2.5	9	0.46
88SJB6802				0.27	0.10	2.5	10	0.25	1	6.64	0.25	3	11	4	0.53	5	0.5	0.02	5	2.53	125	0.5	0.01	4	480	1	2.5	1	41	0.06	5	5	12	5	14	2.44
88SJB6803				0.38	0.10	2.5	20	0.25	2	5.78	0.25	4	15	4	0.71	5	0.5	0.05	5	2.25	172	0.5	0.01	7	390	1	2.5	2	40	0.07	5	5	14	2.5	11	6.55
88SJB6804				0.50	0.10	2.5	20	0.25	2	6.44	0.25	5	17	6	0.91	5	0.5	0.06	5	2.51	207	0.5	0.02	7	460	2	2.5	3	45	0.08	5	5	18	2.5	16	7.77
88SJB6806	4	2	5	0.34	0.20	2.5	10	0.25	4	4.74	0.25	3	17	5	0.71	5	0.5	0	5	1.8	137	0.5	0	5	400	1	2.5	1	33	0.05	5	5	13	2.5	11	11.13
88SJB6807				0.38	0.10	5	20	0.25	2	5.75	0.25	3	13	5	0.71	5	0.5	0.04	5	2.35	166	0.5	0.02	6	450	4	2.5	2	41	0.08	5	5	15	2.5	11	12.34
88SJB6808				0.42	0.20	2.5	20	0.25	2	4.75	0.25	5	16	54	0.96	5	0.5	0.1	5	1.8	227	0.5	0	8	540	1	2.5	2	17	0.07	5	5	16	2.5	13	13.11
88SJB6809				1.26	0.10	2.5	90	0.25	2	6.15	0.25	20	18	350	3.76	5	0.5	0.30	5	1.83	###	2	0.02	15	540	6	2.5	4	71	0.03	5	5	18	2.5	49	13.56

Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth (m)
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	
88SJB6901				2.08	0.10	10	110	0.5	1	8.61	0.25	12	60	27	2.68	5	0.5	0.51	5	2.49	470	0.5	0.04	31	510	10	2.5	6	82	0.13	5	5	47	10	68	5.33
88SJB6902				1.34	0.10	10	70	0.25	1	12.20	0.25	8	41	20	1.74	5	0.5	0.31	5	2.77	410	0.5	0.03	20	490	10	5	5	93	0.12	5	5	34	5	46	7.16
88SJB6903				0.64	0.10	2.5	30	0.25	1	8.40	0.25	5	25	10	0.97	5	0.5	0.12	5	2.80	235	0.5	0.02	11	470	4	2.5	2	57	0.08	5	5	20	5	24	10.82
88SJB6904				0.68	0.10	2.5	30	0.25	2	7.95	0.25	6	25	9	1.02	5	0.5	0.11	5	2.92	237	0.5	0.02	10	420	4	2.5	3	58	0.09	5	5	20	2.5	19	11.43
88SJB6905				0.55	0.10	2.5	30	0.25	2	6.92	0.25	5	23	7	0.88	5	0.5	0.08	5	2.67	196	0.5	0.02	8	430	2	2.5	3	50	0.08	5	5	18	2.5	15	14.48
88SJB6907				0.34	0.10	2.5	10	0.25	4	6.00	0.25	3	13	5	0.64	5	0.5	0.04	5	2.33	149	0.5	0.01	5	420	4	2.5	2	41	0.08	5	5	14	2.5	10	18.14
88SJB6908				0.52	0.10	5	20	0.25	2	6.93	0.25	5	20	7	0.83	5	0.5	0.07	5	2.53	195	0.5	0.02	8	420	2	2.5	3	49	0.09	5	5	17	2.5	14	19.35
88SJB6909				0.70	0.10	2.5	40	0.25	4	6.94	0.25	6	27	9	1.05	5	0.5	0.11	5	2.51	224	1	0.02	9	410	6	2.5	3	51	0.09	5	5	21	2.5	19	20.27
88SJB6910				0.78	0.10	2.5	50	0.25	6	6.75	0.25	7	52	11	1.27	5	0.5	0.15	5	2.41	247	4	0.03	14	480	4	2.5	3	54	0.10	5	5	23	2.5	20	21.18
88SJB6911				0.87	0.10	2.5	50	0.25	2	6.91	0.25	7	48	12	1.32	5	0.5	0.14	5	2.45	259	2	0.03	14	460	6	2.5	4	54	0.10	5	5	24	2.5	22	22.71
88SJB6912				0.88	0.10	5	50	0.25	1	7.12	0.25	7	37	11	1.25	5	0.5	0.15	5	2.56	262	1	0.03	15	460	6	2.5	4	55	0.11	5	5	25	2.5	24	24.23
88SJB6913				0.94	0.10	2.5	50	0.25	1	6.88	0.25	7	41	12	1.26	5	0.5	0.17	5	2.51	266	0.5	0.03	13	460	4	2.5	4	53	0.11	20	5	26	2.5	25	26.37
88SJB6914				0.87	0.10	2.5	50	0.25	2	6.53	0.25	6	37	10	1.19	5	0.5	0.14	5	2.51	242	1	0.03	13	420	4	2.5	3	51	0.09	5	5	23	2.5	23	28.50
88SJB6915				0.80	0.10	2.5	40	0.25	2	6.38	0.25	6	33	9	1.12	5	0.5	0.13	5	2.46	233	0.5	0.03	12	420	1	2.5	3	50	0.10	5	5	22	2.5	20	30.33
88SJB6916				1.07	0.10	5	50	0.25	4	6.95	0.25	7	36	12	1.36	5	0.5	0.18	5	2.63	280	1	0.03	15	430	2	5	4	58	0.11	5	5	28	2.5	26	30.63
88SJB6917				1.75	0.10	10	60	0.5	1	6.66	0.25	13	55	16	2.52	5	2	0.18	5	2.92	468	1	0.03	23	440	8	5	7	57	0.13	5	5	68	2.5	39	31.55
88SJB7001				1.71	0.10	5	80	0.5	1	8.22	0.25	9	49	25	2.19	5	0.5	0.38	5	2.35	395	0.5	0.05	25	490	8	2.5	5	66	0.12	5	5	38	10	56	5.33
88SJB7002				1.07	0.10	5	50	0.25	1	9.60	0.25	7	38	16	1.43	5	0.5	0.22	5	2.53	350	0.5	0.03	18	450	8	5	4	79	0.11	5	5	29	5	40	11.43
88SJB7003				0.77	0.10	2.5	40	0.25	1	8.63	0.25	5	28	11	1.09	5	0.5	0.14	5	2.77	260	0.5	0.03	13	450	1	5	3	64	0.09	5	5	22	5	28	14.17
88SJB7004				0.35	0.10	2.5	10	0.25	1	8.72	0.25	3	15	6	0.64	5	0.5	0.05	5	2.90	180	0.5	0.02	8	520	2	2.5	2	57	0.07	5	5	15	5	16	14.63
88SJB7005				0.45	0.10	5	20	0.25	4	7.11	0.25	5	17	5	0.77	5	0.5	0.05	5	2.74	190	0.5	0.02	7	440	6	2.5	3	50	0.08	5	5	17	2.5	13	15.09

Geochemical Results

Heavy mineral fraction (63-250μm, s.g. >3.3)

Notes:

1) ***Detection*** refers to the lower limits of detection for the different elements. Values indicated as less than the limit are used to indicate that elements were not present in detectable concentrations for a sample.

2) ***Obs*** refers to whether or not a duplicate sample was submitted for analysis . If a "2" appears in this column, it indicates a duplicate or reanalysis.

3) The asterisk for detection limit of Se and W indicates that the limit was raised from 5 to 10 ppm from the 1987 to 1988 sample batches. The latter limit is indicated here.

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
87SJB0115	1.17	0.10	70	30	1	1	0.93	0.25	47	55	192	5.34	20	0.5	0.03	600	0.48	1485	0.5	0.01	69	750	34	2.5	5	47	0.44	5	5	59	2.5	52	38.90
87SJB0212	0.71	0.20	5	10	0.25	1	0.75	0.25	49	39	103	3.89	20	0.5	0.01	160	0.32	765	0.5	0.00	71	370	28	2.5	10	27	0.33	5	5	41	10	84	38.30
87SJB0216	0.73	0.20	2.5	10	0.25	1	0.76	0.5	41	50	88	3.40	20	0.5	0.00	180	0.34	692	2	0.00	64	520	34	2.5	10	25	0.30	5	5	39	2.5	81	43.4
87SJB0304	1.26	0.10	10	20	0.25	1	1.12	0.25	31	60	61	5.51	10	0.5	0.03	150	0.53	1320	5	0.01	29	370	24	2.5	5	35	0.52	5	5	59	5	140	12.60
87SJB0305	1.16	0.40	2.5	40	0.25	4	1.06	0.25	24	70	45	4.77	5	0.5	0.02	190	0.48	1155	4	0.00	16	350	64	2.5	18	36	0.46	5	5	72	2.5	64	13.40
87SJB0307	0.93	0.10	5	20	0.25	1	0.78	0.25	43	46	86	4.19	10	0.5	0.02	140	0.40	961	3	0.01	75	340	16	2.5	5	24	0.28	5	5	43	80	63	19.40
87SJB0308	0.71	0.10	20	70	0.5	2	0.68	0.25	60	44	85	5.03	10	1	0.04	170	0.56	1070	4	0.01	81	410	32	2.5	5	34	0.28	5	5	44	5	67	21
87SJB0309	0.45	0.10	15	30	0.25	1	0.67	0.25	44	30	64	3.89	5	0.5	0.02	100	0.28	635	0.5	0.00	47	390	20	2.5	10	26	0.23	5	5	41	2.5	105	21.5
87SJB0310	0.64	0.10	30	60	1	1	0.82	0.25	45	45	67	5.01	10	0.5	0.02	180	0.31	904	2	0.01	54	530	26	5	5	34	0.33	5	5	52	20	164	23.30
87SJB0311	0.78	0.20	5	10	0.25	1	1.15	0.25	39	75	58	3.71	20	0.5	0.00	180	0.29	742	0.5	0.00	52	400	26	2.5	11	45	0.59	5	5	58	5	50	27.90
87SJB0312	0.51	0.10	5	20	0.25	1	0.58	0.25	48	35	78	4.47	5	0.5	0.02	100	0.38	770	0.5	0.00	59	310	20	2.5	10	17	0.22	5	5	48	2.5	96	30.40
87SJB0313	0.58	0.10	20	30	0.25	1	0.64	0.25	62	34	75	4.33	5	0.5	0.02	100	0.62	785	0.5	0.01	75	300	14	2.5	20	17	0.20	5	5	41	5	54	31.5
87SJB0315	0.55	0.10	20	20	1	1	0.60	0.25	73	45	103	6.16	5	0.5	0.03	150	0.47	995	0.5	0.01	93	410	24	2.5	5	19	0.22	5	5	66	2.5	109	34.60
87SJB0407	0.69	0.20	2.5	40	0.25	1	0.88	0.5	58	84	109	4.97	20	0.5	0.01	180	0.33	862	2	0.00	77	380	52	2.5	11	55	0.40	5	5	58	55	190	17.5
87SJB0410	0.83	0.20	2.5	20	0.25	1	0.87	0.5	91	51	141	5.26	20	0.5	0.01	190	0.39	955	1	0.00	75	400	44	2.5	12	39	0.37	5	5	51	2.5	174	31.5
87SJB0412	1.24	0.80	2.5	390	2	34	2.17	1	145	100	222	7.91	430	0.5	0.42	10000	0.69	965	7	0.03	92	810	90	2.5	110	393	0.76	5	5	255	115	133	34.40
87SJB0509	0.67	0.10	10	20	0.25	1	0.33	0.25	44	48	82	3.51	5	0.5	0.05	150	0.45	918	0.5	0.01	126	250	14	2.5	5	12	0.15	5	5	26	2.5	33	28.70
87SJB0510	0.72	0.10	2.5	30	0.5	1	0.66	0.25	54	50	111	5.27	10	0.5	0.04	230	0.45	1450	0.5	0.01	134	430	28	2.5	5	25	0.33	5	5	44	2.5	86	32
87SJB0811	0.68	0.10	5	10	0.25	1	0.73	0.25	44	34	77	3.65	10	0.5	0.01	110	0.32	723	1	0.01	54	510	24	2.5	10	26	0.30	5	5	40	2.5	98	33.40
87SJB0812	0.65	0.20	5	10	0.25	1	0.74	0.25	47	35	85	3.83	10	0.5	0.01	130	0.32	701	0.5	0.00	57	320	26	2.5	10	22	0.28	5	5	38	40	119	37.60
87SJB1105	1.02	0.20	2.5	10	0.25	2	1.00	0.5	59	50	79	5.24	5	0.5	0.02	110	0.45	1025	0.5	0.01	34	180	28	2.5	15	46	0.49	5	5	55	5	109	10.20
87SJB1106	1.05	0.20	2.5	10	0.25	2	1.02	0.5	57	53	94	5.30	5	0.5	0.01	140	0.42	1060	0.5	0.01	31	250	22	2.5	16	48	0.51	5	5	59	5	102	14.30
87SJB1107	0.83	0.10	40	20	0.5	1	0.60	0.5	99	47	162	7.48	10	0.5	0.02	210	0.35	1030	0.5	0.01	92	340	40	5	5	16	0.31	5	5	54	2.5	140	14.80
87SJB1109	1.10	0.20	5	10	0.25	1	1.00	0.5	44	50	63	4.81	5	0.5	0.01	120	0.46	1125	0.5	0.01	27	300	20	2.5	16	45	0.44	5	5	48	5	101	23
87SJB1110	1.59	0.40	45	10	0.25	1	1.57	0.25	73	75	80	6.90	5	0.5	0.01	180	0.61	1650	3	0.01	61	580	42	2.5	24	72	0.68	5	5	77	5	149	24.20
87SJB1111	0.87	0.10	15	10	0.25	1	0.61	0.25	70	44	117	5.56	10	0.5	0.03	100	0.40	897	1	0.00	74	270	28	2.5	10	19	0.23	5	5	44	155	130	27.90
87SJB1113	0.83	0.10	15	20	1	4	0.68	0.25	75	39	114	4.49	5	0.5	0.07	160	0.42	708	2	0.01	65	370	24	2.5	5	16	0.26	5	5	47	215	94	32.5
87SJB1114	0.50	0.20	10	10	0.25	1	0.60	0.25	66	30	75	3.02	10	0.5	0.02	90	0.28	475	0.5	0.01	53	330	20	2.5	7	18	0.18	5	5	30	1485	33	35.20
87SJB1115	0.57	0.10	10	10	0.25	1	0.68	0.25	86	29	103	3.52	5	0.5	0.02	80	0.36	531	0.5	0.01	60	290	6	2.5	10	24	0.21	5	5	41	300	54	36.40
87SJB1116	0.56	1.20	2.5	10	0.25	1	0.70	0.5	54	44	97	3.48	10	0.5	0.01	120	0.26	573	0.5	0.00	60	250	22	2.5	7	27	0.29	5	5	38	15	79	37.30
87SJB1117	1.25	0.40	15	10	0.25	4	1.20	0.25	75	69	124	5.63	5	0.5	0.02	150	0.52	1280	3	0.00	88	300	30	5	19	53	0.60	5	5	69	2.5	68	37.90
87SJB1118	1.05	0.10	10	10	1	1	0.97	0.25	74	57	157	5.74	10	0.5	0.03	160	0.44	1055	2	0.01	66	350	22	5	5	34	0.49	5	5	64	35	136	39.60
87SJB1119	1.76	0.40	20	20	0.25	1	1.32	0.25	86	91	164	6.90	5	0.5	0.02	220	0.67	1885	4	0.00	86	470	38	2.5	27	58	0.69	5	5	79	5	88	40.80
87SJB1120	0.69	0.10	5	20	1	1	0.68	0.25	94	40	197	5.09	5	0.5	0.02	160	0.34	826	4	0.01	120	350	26	5	5	20	0.33	5	5	47	125	67	41.60
87SJB1211	1.58	0.40	15	20	0.25	1	1.28	0.5	62	80	100	6.89	5	0.5	0.01	210	0.57	1735	1	0.00	68	520	36	2.5	26	54	0.68	5	5	78	2.5	183	26.40

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
87SJB1212	1.63	0.40	5	20	0.25	1	1.33	0.5	53	82	112	6.89	5	0.5	0.01	210	0.59	1815	2	0.00	81	460	36	2.5	26	55	0.71	5	5	78	2.5	87	27.90
87SJB1213	0.46	0.20	2.5	10	0.25	1	0.71	0.5	44	38	74	3.58	10	0.5	0.01	110	0.22	548	1	0.00	55	320	24	2.5	7	20	0.28	5	5	36	10	105	29.20
87SJB1304	0.74	0.80	15	30	2	1	1.00	0.25	82	42	136	7.27	5	0.5	0.02	170	0.32	1190	1	0.01	83	540	54	5	5	29	0.47	5	5	69	2.5	124	4.40
87SJB1305	0.53	0.20	10	20	0.25	1	0.86	0.5	101	57	187	6.89	10	0.5	0.00	110	0.27	872	2	0.00	115	330	34	2.5	8	24	0.36	5	5	49	2.5	203	6.40
87SJB1306	0.56	0.20	30	10	0.25	1	0.83	1	98	26	193	6.50	10	0.5	0.01	100	0.26	892	2	0.00	101	290	52	2.5	8	24	0.35	5	5	48	2.5	153	8.5
87SJB1307	0.54	0.20	35	20	0.25	2	0.86	0.5	97	178	210	6.47	5	0.5	0.00	100	0.26	912	5	0.00	179	310	52	2.5	8	26	0.35	5	5	48	2.5	164	10.10
87SJB1308	1.48	0.40	2.5	20	0.25	4	0.99	0.25	79	77	116	7.79	5	0.5	0.03	140	0.63	1650	0.5	0.01	49	330	40	2.5	22	40	0.48	5	5	68	5	85	11.10
87SJB1309	0.48	0.10	30	50	0.25	1	0.51	0.25	89	38	99	11.25	5	0.5	0.01	70	0.23	1505	1	0.00	113	260	38	2.5	5	19	0.23	5	5	62	2.5	140	13.30
87SJB1310	0.53	0.10	15	40	2	1	0.55	0.25	70	44	83	8.98	5	0.5	0.02	100	0.25	1315	2	0.00	78	300	30	2.5	5	17	0.22	5	5	51	2.5	77	15.70
87SJB1315	1.40	0.40	5	20	0.25	1	1.08	0.25	112	71	105	7.34	5	0.5	0.01	200	0.52	1535	0.5	0.01	93	620	36	2.5	22	51	0.56	5	5	74	2.5	50	23.60
87SJB1316	1.55	0.40	20	30	0.25	4	1.02	0.25	122	88	96	8.49	5	0.5	0.01	240	0.57	1685	1	0.00	94	510	48	2.5	25	52	0.57	5	5	86	2.5	50	24.20
87SJB1317	1.65	0.40	20	20	0.25	1	1.06	0.25	117	83	110	8.00	5	2	0.01	200	0.61	1795	2	0.00	88	450	44	2.5	26	52	0.61	5	5	76	20	62	25.5
87SJB1319	1.60	0.20	15	20	0.25	1	1.07	1	84	80	92	7.61	5	0.5	0.02	210	0.64	1555	0.5	0.01	51	490	26	2.5	25	51	0.48	5	5	68	2.5	119	29.90
87SJB1321	1.78	0.20	20	30	0.25	4	1.06	1	114	93	133	8.67	5	0.5	0.03	200	0.71	1725	0.5	0.01	56	420	28	2.5	28	59	0.50	5	5	80	40	126	33.70
87SJB1604	0.40	0.40	40	30	0.25	1	1.03	0.5	73	26	141	6.95	5	0.5	0.01	100	0.24	963	0.5	0.00	79	420	44	2.5	8	25	0.31	5	5	54	2.5	214	6.90
87SJB1608	1.42	0.40	30	20	0.25	1	1.89	0.25	74	75	124	8.20	5	0.5	0.01	180	0.51	1790	2	0.03	64	360	34	5	23	89	1.06	5	5	109	15	165	17.70
87SJB1811	1.19	0.40	5	10	0.25	1	1.27	0.5	75	50	254	6.25	5	0.5	0.02	120	0.40	1580	0.5	0.11	69	270	12	2.5	16	42	0.57	5	5	56	5	66	23.30
87SJB1812	1.12	0.20	2.5	20	0.25	2	1.24	0.25	63	48	168	5.32	5	0.5	0.01	130	0.38	1335	6	0.19	55	220	16	2.5	16	54	0.64	5	5	62	5	93	25.10
87SJB1813	0.68	0.10	2.5	10	0.5	1	0.80	0.25	70	26	185	4.99	5	0.5	0.02	110	0.26	1310	6	0.01	89	360	8	2.5	5	20	0.35	5	5	37	2.5	125	26.40
87SJB1814	1.21	0.20	2.5	20	0.25	2	1.39	0.25	52	53	90	5.56	5	0.5	0.02	110	0.35	1525	3	0.25	34	190	18	2.5	15	72	0.73	5	5	79	5	36	29.60
87SJB1815	0.75	0.10	10	20	0.5	2	0.79	0.25	94	34	124	5.30	10	0.5	0.02	130	0.25	1050	3	0.01	74	330	34	2.5	5	25	0.39	5	5	54	2.5	49	31.20
87SJB1817	0.82	0.10	10	20	1.5	2	0.88	0.25	97	46	99	5.91	10	0.5	0.02	190	0.26	1040	0.5	0.01	83	430	34	2.5	5	29	0.49	5	5	68	2.5	30	34.90
87SJB1903	1.15	0.20	5	20	0.25	2	1.70	0.5	79	47	216	6.14	5	0.5	0.03	90	0.44	1300	0.5	0.25	54	240	20	5	15	72	0.70	5	5	66	5	109	2.90
87SJB1907	1.17	0.20	2.5	20	0.25	1	1.24	0.5	86	44	313	6.81	5	0.5	0.02	90	0.38	1565	1	0.22	84	250	18	5	15	39	0.55	5	5	54	5	107	15.7
87SJB1908	1.08	0.20	2.5	20	0.25	1	1.07	0.5	70	45	353	6.30	5	0.5	0.02	80	0.35	1525	0.5	0.22	71	190	18	2.5	14	34	0.69	5	5	61	5	151	17
87SJB1909	1.20	0.20	2.5	50	0.25	1	1.25	0.5	68	37	255	5.92	5	0.5	0.02	70	0.36	1795	6	0.25	67	230	12	5	15	40	0.61	5	5	49	2.5	168	19.40
87SJB1910	1.05	0.20	2.5	160	0.25	1	1.22	0.5	62	44	170	5.54	5	0.5	0.03	120	0.42	1250	0.5	0.23	55	330	12	2.5	15	49	0.56	5	5	52	5	131	22.10
87SJB1911	0.80	0.40	10	20	0.25	2	1.06	0.25	44	47	92	4.55	5	0.5	0.03	120	0.36	964	3	0.23	38	260	140	2.5	12	42	0.55	5	5	62	5	110	24.30
87SJB1913	1.28	0.40	15	20	0.25	1	1.40	0.25	85	73	160	7.07	5	0.5	0.01	210	0.44	1615	4	0.31	62	390	64	5	20	60	0.74	5	5	88	10	79	27
87SJB1914	0.71	0.20	2.5	10	0.25	2	0.71	0.25	48	36	79	4.09	5	0.5	0.01	110	0.25	878	1	0.15	25	160	12	2.5	11	30	0.39	5	5	42	2.5	106	28.20
87SJB1918	1.74	0.20	2.5	20	0.25	1	2.39	0.5	56	53	109	4.16	5	0.5	0.01	90	0.22	760	0.5	0.23	32	480	14	2.5	14	340	0.39	5	5	80	2.5	36	34.60
87SJB1919	2.21	0.20	2.5	30	0.25	1	3.00	0.5	4	44	4	1.85	5	1	0.01	30	0.07	267	0.5	0.08	4	80	1	2.5	12	584	0.12	5	5	63	5	15	34.90
87SJB2005	0.62	0.10	30	10	0.25	1	0.86	0.25	99	28	160	6.30	5	0.5	0.01	100	0.22	766	2	0.01	100	380	48	2.5	5	30	0.34	5	5	41	2.5	72	15.20
87SJB2006	0.82	0.10	40	10	1	1	1.02	0.25	83	38	174	6.08	5	0.5	0.01	100	0.27	1030	0.5	0.01	79	360	16	2.5	5	37	0.44	5	5	50	2.5	76	19.20
87SJB2008	0.56	0.20	15	10	0.25	1	0.92	0.25	55	86	119	3.91	5	1	0.00	100	0.22	610	2	0.00	79	320	22	2.5	7	33	0.36	5	5	41	2.5	69	21.80
87SJB2009	0.66	0.40	35	10	0.25	2	1.14	0.25	59	91	196	4.35	10	0.5	0.01	130	0.39	618	2	0.00	83	450	20	2.5	8	102	0.51	5	5	55	2.5	77	22.10

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
87SJB2114	0.60	0.20	5	10	0.25	1	0.84	0.25	39	71	75	3.10	5	0.5	0.00	120	0.23	587	3	0.00	60	310	18	2.5	8	35	0.35	5	5	38	2.5	46	23.70
87SJB2115	0.66	0.20	10	10	0.25	2	0.94	0.25	44	31	90	3.49	5	0.5	0.00	120	0.24	651	1	0.00	40	310	16	2.5	8	39	0.40	5	5	41	2.5	74	24.20
87SJB2116	1.25	0.10	75	20	1	4	1.05	0.25	67	56	136	6.40	10	0.5	0.02	180	0.45	1395	6	0.01	65	450	38	5	5	43	0.56	5	5	59	2.5	145	24.5
87SJB2117	0.60	0.20	15	20	0.25	1	0.99	0.25	43	111	86	4.15	5	0.5	0.00	120	0.24	644	28	0.01	73	360	22	2.5	8	34	0.39	5	5	42	2.5	85	25.10
87SJB2118	0.49	0.10	40	20	0.25	1	0.86	0.25	36	47	73	3.99	5	0.5	0.00	90	0.25	497	2	0.00	43	330	10	2.5	6	30	0.32	5	5	39	2.5	61	25.70
87SJB2211	0.57	0.20	5	30	0.25	2	0.91	0.5	55	32	121	5.69	5	1	0.03	110	0.30	837	1	0.00	54	390	22	2.5	8	27	0.31	5	5	41	2.5	159	47.70
87SJB2212	0.32	0.10	5	10	0.25	2	0.66	0.25	35	22	56	2.21	5	0.5	0.01	90	0.15	300	0.5	0.00	33	250	28	2.5	4	19	0.26	5	5	29	2.5	59	48.90
87SJB2213	0.38	0.10	5	10	0.25	1	0.74	0.5	38	32	82	2.49	5	0.5	0.00	120	0.18	355	1	0.00	38	320	28	2.5	5	25	0.32	5	5	34	2.5	57	49.80
87SJB2214	0.59	0.20	15	10	0.25	1	0.99	0.25	39	55	92	3.06	5	0.5	0.01	140	0.24	536	2	0.00	47	320	34	2.5	8	36	0.47	5	5	45	2.5	93	50.40
87SJB2215	0.54	0.40	10	10	0.25	2	0.95	0.25	48	66	79	3.14	5	0.5	0.01	130	0.25	498	2	0.00	61	370	20	2.5	7	32	0.40	5	5	43	2.5	74	52.30
87SJB2504	1.20	0.20	5	20	0.25	1	1.38	0.5	108	43	350	7.23	5	0.5	0.02	90	0.39	1550	0.5	0.19	79	330	12	5	15	59	0.58	5	5	55	2.5	167	13
87SJB2505	0.74	0.20	5	20	0.25	2	1.22	0.5	93	37	255	6.22	5	0.5	0.02	70	0.30	974	0.5	0.19	78	330	16	5	9	44	0.45	5	5	47	5	125	13.30
87SJB2506	1.20	0.40	10	20	0.25	2	1.46	0.5	105	38	318	7.42	5	0.5	0.02	90	0.36	1680	2	0.37	77	260	26	5	15	46	0.55	5	5	49	5	147	15.70
87SJB2507	1.13	0.20	2.5	20	0.25	2	1.49	0.5	85	46	247	6.41	5	0.5	0.03	90	0.37	1445	0.5	0.28	67	260	22	2.5	14	39	0.54	5	5	60	10	140	17.5
87SJB2508	1.33	0.20	5	20	0.25	1	1.41	0.5	83	42	220	6.77	5	0.5	0.03	80	0.42	1875	1	0.28	71	240	52	5	16	43	0.56	5	5	55	10	190	19.30
87SJB2509	1.20	0.20	5	20	0.25	1	1.20	0.5	76	52	170	6.30	10	0.5	0.02	110	0.42	1495	0.5	0.28	52	300	28	5	17	49	0.56	5	5	59	2.5	142	20.20
87SJB2510	1.63	0.40	5	20	0.25	1	1.55	1.5	85	70	275	8.45	5	0.5	0.02	130	0.51	2030	5	0.02	97	370	90	2.5	22	70	0.77	5	5	70	5	210	21.60
87SJB2511	1.28	0.40	20	20	0.25	1	1.36	0.5	148	70	237	6.20	5	0.5	0.03	120	0.46	1495	4	0.30	117	400	32	2.5	17	58	0.65	5	5	62	2.5	368	22.30
87SJB2512	1.04	0.20	2.5	20	0.25	1	1.18	0.5	65	51	154	5.28	5	0.5	0.02	110	0.40	1150	8	0.28	48	390	20	2.5	14	53	0.51	5	5	55	2.5	163	23.70
87SJB2602	0.82	0.20	10	20	0.25	1	1.31	0.5	74	42	135	6.45	10	0.5	0.01	140	0.37	1130	13	0.27	56	430	44	5	13	51	0.59	5	5	64	2.5	168	4.10
87SJB2603	0.93	0.40	15	20	0.25	1	1.41	0.25	87	57	153	7.23	5	0.5	0.02	150	0.42	1435	3	0.28	87	510	46	2.5	15	54	0.64	5	5	79	5	150	5.90
87SJB2605	0.99	0.40	45	30	0.25	1	1.37	0.25	88	58	128	7.51	5	0.5	0.02	200	0.42	1430	8	0.25	102	510	40	2.5	16	53	0.63	5	5	72	5	187	10.80
87SJB2606	1.22	0.40	45	20	0.25	1	1.45	0.25	103	67	158	7.95	5	0.5	0.02	220	0.48	1605	3	0.26	93	490	116	2.5	20	60	0.69	5	5	81	2.5	132	12.60
87SJB2607	1.23	0.40	25	20	0.25	1	1.29	0.25	86	69	125	7.73	5	0.5	0.01	210	0.47	1670	1	0.27	83	460	66	5	20	59	0.68	5	5	83	5	103	13.30
87SJB2610	1.83	0.40	2.5	30	0.25	1	1.31	0.5	55	91	79	6.41	5	0.5	0.03	220	0.72	1865	1	0.45	42	490	34	2.5	29	76	0.59	5	5	73	2.5	132	20
87SJB2611	1.83	0.40	2.5	30	0.25	1	1.15	0.5	86	96	94	7.34	5	0.5	0.03	280	0.71	1920	2	0.46	68	610	44	2.5	29	55	0.48	5	5	74	10	77	22.40
87SJB2612	0.80	0.20	2.5	20	0.25	2	0.72	0.25	77	43	86	4.73	5	0.5	0.03	130	0.37	889	2	0.14	54	500	20	2.5	12	28	0.25	5	5	40	2.5	60	24.80
87SJB2613	0.92	0.20	2.5	30	0.25	2	0.81	0.25	103	52	84	5.99	10	0.5	0.02	160	0.39	1035	0.5	0.17	52	370	32	2.5	15	33	0.36	5	5	55	2.5	68	26
87SJB2614	0.76	0.20	2.5	10	0.25	1	0.74	0.25	76	40	64	4.35	5	0.5	0.02	110	0.34	846	0.5	0.12	43	450	18	2.5	12	28	0.26	5	5	41	5	45	28.5
87SJB2615	1.03	0.20	2.5	20	0.25	2	0.78	0.25	74	50	83	4.81	5	0.5	0.03	140	0.44	1030	2	0.16	41	460	28	2.5	16	32	0.29	5	5	43	2.5	45	29.30
88SJB2702	0.64	0.20	20	20	0.25	1	0.83	0.25	72	41	146	5.85	20	0.5	0.04	120	0.38	806	9	0.01	97	290	46	2.5	10	24	0.41	5	5	48	2.5	144	7.32
88SJB2703	0.88	0.20	20	30	0.25	1	1.08	0.25	35	51	81	4.34	20	2	0.02	150	0.37	836	1	0.01	42	380	18	2.5	13	38	0.51	5	5	59	2.5	112	8.38
88SJB2704	0.88	0.20	2.5	20	0.25	1	0.97	0.25	40	49	90	4.56	20	1	0.02	150	0.36	846	2	0.00	52	310	20	2.5	13	35	0.49	5	5	56	20	84	9.45
88SJB2705	0.83	0.20	5	20	0.25	1	0.95	0.25	30	49	72	4.03	10	0.5	0.01	130	0.33	822	2	0.00	45	220	36	2.5	12	39	0.51	5	5	56	10	62	10.87
88SJB2706	1.08	0.20	15	30	0.25	1	1.26	0.25	36	61	75	4.68	20	0.5	0.02	180	0.41	1086	1	0.01	43	320	34	5	16	56	0.75	5	5	74	20	105	11.72
88SJB2707	1.08	0.20	10	30	0.25	1	1.15	0.25	35	59	101	4.76	20	0.5	0.02	160	0.43	999	2	0.00	40	400	30	2.5	16	44	0.55	5	5	61	2.5	98	12.95
88SJB2708	1.28	0.20	2.5	30	0.25	1	1.15	0.25	39	75	80	5.32	20	0.5	0.03	190	0.50	1170	2	0.00	49	350	24	2.5	19	44	0.60	5	5	68	55	73	14.48
88SJB2709	1.36	0.20	15	30	0.25	1	1.10	0.25	45	80	81	5.42	20	1	0.03	230	0.55	1248	4	0.01	51	480	28	2.5	20	43	0.48	5	5	64	340	117	15.39

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	Ti	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB2710	1.32	0.20	10	30	0.25	1	1.20	0.25	45	73	92	5.79	20	0.5	0.02	200	0.49	1239	2	0.01	50	430	30	2.5	20	45	0.58	5	5	71	315	131	16.08
88SJB2711	1.16	0.20	5	30	0.25	1	1.18	0.25	35	62	70	5.31	20	0.5	0.01	210	0.44	1159	3	0.00	47	390	32	2.5	17	43	0.60	5	5	68	2.5	116	16.92
88SJB2712	1.07	0.20	10	30	0.25	1	1.03	0.25	44	63	74	5.44	20	0.5	0.02	210	0.41	1122	2	0.00	51	400	36	2.5	16	36	0.50	5	5	63	2.5	140	17.89
88SJB2713	1.37	0.20	10	20	0.25	1	1.00	0.25	38	68	61	5.24	20	0.5	0.03	170	0.55	1127	1	0.00	51	340	24	2.5	21	34	0.47	5	5	59	2.5	130	19.05
88SJB2714	1.50	0.20	10	30	0.25	1	1.39	0.25	40	76	67	6.13	30	1	0.02	260	0.56	1435	2	0.01	52	510	32	5	23	57	0.78	5	5	81	10	107	20.25
88SJB2715	1.21	0.20	2.5	30	0.25	1	1.35	0.25	43	64	95	5.34	20	0.5	0.02	190	0.47	1206	2	0.01	57	510	26	2.5	18	52	0.65	5	5	69	2.5	172	21.49
88SJB2716	1.33	0.20	2.5	30	0.25	1	1.29	0.25	34	68	76	5.51	20	0.5	0.02	200	0.49	1277	4	0.01	51	480	82	2.5	20	55	0.64	5	5	70	2.5	103	22.71
88SJB2717	1.16	0.20	5	30	0.25	1	1.20	0.25	38	60	80	5.36	20	0.5	0.02	200	0.43	1243	1	0.01	52	560	26	2.5	18	51	0.56	5	5	65	2.5	119	23.32
88SJB2718	5.32	0.10	85	120	0.25	1	4.50	0.25	198	276	382	15.00	25	0.5	0.10	960	2.00	5635	6	0.05	217	1430	220	5	78	138	2.31	50	5	308	100	360	24.84
88SJB2719	5.15	0.10	30	130	0.25	1	4.90	1	204	297	380	15.00	50	4	0.10	1060	2.01	5465	7	0.05	228	1370	166	10	76	141	2.40	60	5	365	100	342	26.37
88SJB2720	1.22	0.10	35	30	0.25	6	1.23	0.25	48	73	78	6.12	10	0.5	0.01	270	0.46	1355	5	0.01	54	500	70	2.5	19	44	0.72	5	5	83	5	184	27.58
88SJB2833	5.19	0.10	105	120	0.25	1	2.62	0.25	426	247	494	15.00	30	4	0.29	520	2.29	5000	12	0.09	452	1030	110	10	72	74	1.62	5	5	200	200	496	13.87
88SJB2812	1.16	0.20	40	30	0.25	1	1.16	0.5	71	57	167	7.68	20	0.5	0.02	160	0.45	1332	4	0.00	84	430	32	5	18	40	0.57	5	5	56	2.5	286	16.46
88SJB2813	1.18	0.20	20	30	0.25	1	1.24	0.5	66	56	141	7.58	20	0.5	0.02	170	0.47	1350	5	0.01	82	530	30	2.5	18	43	0.60	5	5	53	2.5	231	17.22
88SJB2816	1.03	0.20	5	40	0.25	1	1.15	0.5	102	66	146	12.17	20	0.5	0.02	190	0.43	1809	5	0.01	110	490	36	2.5	19	41	0.48	5	5	64	2.5	216	22.40
88SJB2817	1.16	0.20	2.5	60	0.25	1	1.45	0.5	69	83	134	14.43	30	0.5	0.02	200	0.46	2429	5	0.01	96	540	50	5	22	57	0.70	5	5	97	10	236	23.62
88SJB2819	1.36	0.20	20	70	0.25	1	1.36	0.5	122	105	148	14.49	30	0.5	0.02	220	0.52	2459	9	0.01	126	580	52	2.5	26	62	0.68	5	5	106	1050	268	26.29
88SJB2820	1.12	0.20	15	50	0.25	1	0.98	1	105	74	150	12.85	20	0.5	0.02	180	0.44	1988	7	0.01	137	420	44	2.5	22	36	0.46	5	5	73	85	278	26.59
88SJB2835	1.37	0.20	45	30	0.25	1	0.82	0.25	105	69	121	7.41	20	0.5	0.06	160	0.61	1227	5	0.02	112	500	28	2.5	20	25	0.39	5	5	51	2.5	133	48.92
88SJB2836	1.24	0.20	50	20	0.25	1	0.70	0.25	145	56	145	6.71	10	0.5	0.06	110	0.51	954	7	0.02	127	350	20	2.5	16	17	0.26	5	5	36	195	240	51.36
88SJB2904	0.98	0.10	90	30	0.25	8	1.40	0.25	87	64	189	9.65	20	0.5	0.02	280	0.39	1535	16	0.01	110	510	52	2.5	16	42	0.73	5	5	106	50	172	8.38
88SJB2905	1.01	0.10	90	30	0.25	6	1.51	0.25	94	65	146	9.29	10	0.5	0.01	290	0.38	1555	14	0.01	108	480	56	2.5	16	51	0.82	5	5	112	130	122	8.99
88SJB2906	1.07	0.10	165	30	0.25	6	1.57	0.5	82	62	147	8.69	10	0.5	0.01	270	0.41	1545	4	0.01	89	510	60	2.5	17	51	0.81	5	5	104	30	174	10.21
88SJB2907	1.03	0.10	55	30	0.25	8	1.47	0.25	68	61	177	8.31	10	0.5	0.01	260	0.39	1465	5	0.01	84	500	60	2.5	16	48	0.80	5	5	99	10	108	11.66
88SJB2908	0.75	0.20	65	20	0.25	1	1.15	0.25	69	43	160	6.54	20	0.5	0.01	150	0.31	1010	3	0.00	81	430	28	2.5	12	37	0.52	5	5	67	2.5	173	12.42
88SJB3001	0.77	0.20	5	20	0.25	1	1.43	0.25	6	58	11	4.11	30	0.5	0.01	250	0.27	683	1	0.00	8	460	34	2.5	13	42	0.62	5	5	106	2.5	26	1.07
88SJB3009	0.98	0.20	65	20	0.25	1	1.35	0.5	79	59	177	8.50	20	0.5	0.01	170	0.38	1323	3	0.00	100	470	44	5	16	43	0.65	5	5	90	2.5	182	14.25
88SJB3010	0.75	0.20	45	30	0.25	1	1.41	0.5	84	52	162	7.69	20	0.5	0.01	220	0.35	1191	3	0.01	104	670	38	5	13	36	0.62	5	5	77	35	203	15.70
88SJB3011	0.82	0.20	20	30	0.25	1	1.03	0.25	59	47	106	5.75	20	0.5	0.02	140	0.33	977	2	0.00	73	490	32	2.5	13	37	0.48	5	5	60	2.5	169	17.07
88SJB3012	0.72	0.20	5	20	0.25	1	0.76	0.25	89	48	127	7.25	20	0.5	0.03	150	0.36	1324	2	0.00	175	540	58	2.5	12	28	0.34	5	5	46	5	91	18.14
88SJB3101	1.07	0.20	2.5	30	0.25	1	1.68	0.25	8	83	13	5.32	30	0.5	0.01	340	0.41	948	1	0.01	13	680	32	10	18	55	0.84	5	5	128	5	31	0.76
88SJB3102	1.02	0.20	2.5	40	0.25	1	1.94	0.25	3	104	12	5.67	30	0.5	0.01	370	0.36	948	2	0.01	7	740	44	5	18	67	0.98	5	5	152	5	31	2.36
88SJB3103	1.18	0.20	2.5	40	0.25	1	2.17	0.25	5	95	10	6.17	30	1	0.00	360	0.39	1099	2	0.01	8	760	52	5	21	71	1.06	5	5	162	5	32	3.20
88SJB3401	1.10	0.20	2.5	20	0.25	1	1.89	0.25	3	77	11	5.10	30	0.5	0.00	320	0.35	972	2	0.00	7	420	26	2.5	18	70	0.87	5	5	127	2.5	24	1.37
88SJB3402	1.15	0.20	2.5	30	0.25	1	1.83	0.25	24	78	47	5.27	30	0.5	0.01	240	0.41	1126	2	0.01	14	480	38	2.5	19	61	0.95	5	5	121	10	73	2.59
88SJB3411	1.00	0.20	50	30	0.25	1	1.80	0.25	68	72	137	8.86	40	0.5	0.00	390	0.36	1450	8	0.01	65	640	60	2.5	18	62	0.92	5	5	129	45	175	16.67
88SJB3412	1.05	0.20	50	30	0.25	1	1.67	0.5	56	69	104	9.16	20	0.5	0.00	170	0.40	1403	5	0.01	64	490	46	2.5	18	49	0.71	5	5	120	2.5	192	17.53

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB3415	0.95	0.20	20	30	0.25	1	1.54	0.5	58	64	124	8.66	20	0.5	0.01	190	0.36	1317	8	0.00	68	460	42	2.5	17	43	0.69	5	5	112	2.5	159	21.18
88SJB3416	0.96	0.20	45	30	0.25	1	1.92	0.25	59	63	119	8.86	20	0.5	0.01	200	0.44	1420	5	0.01	62	700	52	2.5	17	49	0.67	5	5	111	10	147	22.40
88SJB3417	0.75	0.20	30	30	0.25	1	1.60	0.5	57	52	124	8.32	20	0.5	0.01	170	0.31	1215	5	0.01	62	570	46	2.5	13	48	0.69	5	5	106	2.5	161	23.93
88SJB3418	0.90	0.20	45	30	0.25	1	1.63	1	64	63	130	9.02	20	0.5	0.01	180	0.36	1300	5	0.00	67	530	50	5	16	47	0.70	5	5	114	45	193	24.84
88SJB3423	0.89	2.00	50	30	0.25	1	0.82	0.5	679	53	939	15.00	30	0.5	0.06	200	0.39	1323	25	0.00	860	730	62	2.5	14	29	0.32	5	5	38	785	272	36.73
88SJB3426	0.90	0.20	130	30	0.25	1	1.48	0.25	109	56	232	8.93	20	0.5	0.01	180	0.34	1273	7	0.00	146	520	38	5	15	48	0.68	5	5	90	40	205	39.78
88SJB3514	1.08	0.20	30	30	0.25	1	1.18	0.5	103	73	194	9.75	30	1	0.01	250	0.43	1632	4	0.01	124	620	54	5	20	34	0.62	5	5	91	25	194	31.39
88SJB3515	1.09	0.20	2.5	30	0.25	1	1.30	0.5	301	58	330	10.01	30	0.5	0.03	240	0.47	1374	12	0.01	219	790	60	2.5	20	36	0.46	5	5	60	4350	138	32.61
88SJB3602	1.10	0.20	2.5	40	0.25	1	1.87	0.25	18	85	25	6.18	20	0.5	0.00	290	0.36	966	3	0.00	17	560	40	2.5	19	61	0.82	5	5	139	215	31	1.98
88SJB3603	1.05	0.20	10	40	0.25	1	1.75	0.25	29	74	71	7.37	20	3	0.00	200	0.38	902	3	0.01	27	520	48	2.5	17	53	0.82	5	5	128	2.5	130	3.51
88SJB3606	1.04	0.20	5	40	0.25	1	1.02	1	70	71	132	9.10	20	0.5	0.01	210	0.43	1393	5	0.01	100	420	50	5	19	34	0.47	5	5	74	2.5	282	8.99
88SJB3607	0.88	0.20	20	50	0.25	1	0.95	0.25	74	69	151	8.52	20	0.5	0.01	190	0.37	1282	6	0.00	109	450	52	5	17	33	0.46	5	5	74	2.5	221	10.82
88SJB3608	0.89	0.20	10	40	0.25	1	0.92	0.5	59	70	140	8.14	20	0.5	0.01	180	0.36	1221	7	0.00	98	410	64	2.5	17	34	0.44	5	5	70	2.5	242	11.73
88SJB3609	0.96	0.20	5	40	0.25	1	1.09	0.5	48	68	105	7.81	20	0.5	0.01	150	0.42	1282	5	0.00	67	500	52	2.5	18	34	0.41	5	5	68	2.5	229	12.34
88SJB3610	1.09	0.20	15	30	0.25	1	1.41	0.5	32	63	97	8.24	20	0.5	0.01	160	0.42	1442	5	0.01	48	540	42	2.5	18	53	0.66	5	5	77	2.5	212	13.87
88SJB3611	1.11	0.20	10	20	0.25	1	1.37	0.5	27	64	96	6.10	20	0.5	0.01	170	0.44	1158	5	0.01	38	570	36	2.5	16	48	0.61	5	5	73	2.5	207	14.17
88SJB3612	1.05	0.20	10	20	0.25	1	1.18	0.5	35	56	89	5.75	20	0.5	0.01	170	0.42	1076	4	0.01	39	560	36	2.5	15	39	0.51	5	5	64	2.5	183	16.61
88SJB3701	1.13	0.20	2.5	40	0.25	1	1.57	0.25	15	79	24	5.36	30	0.5	0.02	270	0.47	923	1	0.01	16	560	32	2.5	18	45	0.58	5	5	107	2.5	32	1.37
88SJB3706	0.95	0.20	10	40	0.25	1	1.26	0.5	36	70	75	7.31	20	0.5	0.02	180	0.42	1163	5	0.01	50	610	48	2.5	17	37	0.47	5	5	77	2.5	227	9.14
88SJB3708	1.38	0.20	35	40	0.25	1	1.69	0.25	44	89	96	9.20	30	1	0.01	320	0.49	1853	5	0.01	51	570	60	5	24	65	0.92	5	5	103	50	226	11.20
88SJB3709	1.16	0.20	20	30	0.25	1	1.24	0.5	42	74	106	7.73	20	0.5	0.01	170	0.44	1316	5	0.01	50	420	42	2.5	19	49	0.60	5	5	78	2.5	188	11.73
88SJB3710	1.24	0.20	40	30	0.25	1	1.47	0.5	41	75	110	7.95	20	0.5	0.01	180	0.49	1470	7	0.01	55	530	50	2.5	21	54	0.61	5	5	82	2.5	199	12.65
88SJB3711	1.27	0.20	5	40	0.25	1	1.46	3	39	82	99	8.25	20	0.5	0.02	180	0.49	1535	4	0.01	48	470	58	2.5	22	95	0.62	5	5	88	2.5	3401	13.72
88SJB3712	0.51	0.20	45	20	0.25	1	1.01	0.5	32	29	74	5.60	10	0.5	0.01	60	0.23	866	3	0.00	42	330	48	2.5	8	29	0.32	5	5	39	2.5	255	14.78
88SJB3713	0.60	0.20	20	20	0.25	1	1.23	0.5	32	38	70	5.59	10	0.5	0.01	70	0.27	896	4	0.01	41	390	36	2.5	9	43	0.40	5	5	43	2.5	212	15.47
88SJB3714	0.59	0.20	15	30	0.25	1	1.14	0.5	31	34	102	5.50	10	0.5	0.01	70	0.28	915	3	0.01	43	350	30	2.5	9	33	0.38	5	5	43	2.5	246	16.31
88SJB3715	0.66	0.20	15	20	0.25	1	1.14	5	34	35	113	5.97	10	0.5	0.02	70	0.29	984	3	0.00	45	360	36	2.5	10	36	0.38	5	5	43	2.5	188	17.50
88SJB3716	0.93	0.20	20	20	0.25	1	1.17	0.5	35	54	75	5.57	20	0.5	0.02	150	0.37	1025	3	0.01	38	440	42	2.5	13	41	0.52	5	5	65	2.5	186	18.75
88SJB3717	0.99	0.20	10	20	0.25	1	1.19	0.5	36	66	89	6.05	20	0.5	0.01	150	0.40	1075	3	0.01	42	550	32	2.5	14	39	0.50	5	5	72	20	220	19.35
88SJB3718	1.03	0.20	10	20	0.25	1	1.07	0.5	47	64	127	6.33	20	0.5	0.02	170	0.42	1152	4	0.01	62	430	34	2.5	15	34	0.47	5	5	70	2.5	202	21.18
88SJB3807	1.08	0.20	10	30	0.25	1	1.12	0.25	38	67	90	6.72	20	0.5	0.01	170	0.46	1132	5	0.01	52	500	38	2.5	18	34	0.44	5	5	69	50	138	7.69
88SJB3808	0.89	0.20	15	40	0.25	1	1.12	0.5	44	64	117	8.62	20	0.5	0.01	140	0.39	1183	7	0.01	61	480	62	2.5	16	35	0.43	5	5	70	2.5	184	9.45
88SJB3809	1.00	0.20	25	40	0.25	1	1.13	0.5	51	62	116	7.76	20	0.5	0.01	160	0.39	1269	6	0.01	75	410	44	2.5	18	39	0.49	5	5	71	2.5	222	10.82
88SJB3810	0.96	0.20	35	30	0.25	1	0.99	0.5	53	61	96	8.27	20	0.5	0.02	160	0.38	1294	5	0.00	71	430	52	2.5	17	40	0.42	5	5	67	2.5	209	12.65
88SJB3811	1.04	0.20	30	30	0.25	1	1.03	0.25	46	67	107	9.05	20	0.5	0.01	160	0.40	1481	7	0.01	60	410	44	2.5	19	36	0.44	5	5	74	35	205	13.87
88SJB3812	0.99	0.20	15	30	0.25	1	1.12	0.5	36	64	112	7.44	20	1	0.01	160	0.43	1283	5	0.00	46	420	36	2.5	17	40	0.44	5	5	70	2.5	203	15.09
88SJB3813	0.98	0.20	20	20	0.25	1	0.94	0.5	44	57	93	5.11	20	0.5	0.02	140	0.41	942	4	0.00	52	390	34	2.5	14	31	0.39	5	5	55	20	203	16.31
88SJB3814	1.30	0.20	10	20	0.25	1	1.28	0.25	32	70	81	5.49	20	0.5	0.01	160	0.50	1186	3	0.01	38	430	24	2.5	18	49	0.60	5	5	70	2.5	158	17.53

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB3907	4.11	0.10	80	150	0.25	1	4.87	38	184	241	374	15.00	20	0.5	0.06	660	1.60	7050	14	0.04	283	1110	218	15	63	186	2.14	5	5	326	200	874.6	6.93
88SJB3908	3.45	0.10	135	150	0.25	1	4.24	1.5	200	244	347	15.00	20	0.5	0.07	670	1.41	5640	14	0.04	293	1800	168	20	56	155	1.83	5	5	304	100	824	8.08
88SJB3909	3.65	0.10	80	140	0.25	1	4.21	1.5	200	247	360	15.00	30	0.5	0.03	690	1.41	5010	10	0.04	282	1360	152	10	61	162	2.10	5	5	301	100	772	8.76
88SJB3910	1.16	0.20	10	30	0.25	1	1.45	0.5	56	78	115	8.56	30	0.5	0.01	220	0.48	1439	5	0.01	70	580	50	2.5	20	51	0.57	5	5	81	15	185	10.52
88SJB3911	0.87	0.20	2.5	40	0.25	1	1.17	1	47	68	96	8.29	20	0.5	0.01	200	0.35	1323	5	0.01	70	470	40	2.5	17	44	0.55	5	5	79	2.5	246	11.43
88SJB3912	0.76	0.20	10	40	0.25	1	1.00	0.5	53	62	108	8.05	20	0.5	0.02	180	0.31	1200	4	0.00	74	460	48	5	15	35	0.46	5	5	70	2.5	241	12.42
88SJB3913	0.90	0.20	5	30	0.25	1	1.00	0.5	77	59	154	8.45	20	0.5	0.01	180	0.39	1231	6	0.00	98	490	38	2.5	16	31	0.40	5	5	61	2.5	232	13.26
88SJB3914	0.93	0.20	2.5	20	0.25	1	0.83	0.5	65	69	152	6.83	20	0.5	0.01	150	0.43	1014	4	0.00	144	400	32	2.5	16	26	0.34	5	5	53	2.5	165	14.10
88SJB3915	0.91	0.20	5	30	0.25	1	1.03	0.5	69	59	117	7.10	20	0.5	0.02	150	0.40	1054	5	0.00	91	470	32	2.5	16	33	0.41	5	5	58	2.5	154	14.55
88SJB3916	1.07	0.20	2.5	30	0.25	1	1.25	0.5	62	64	145	8.22	20	0.5	0.01	210	0.44	1283	5	0.01	88	550	36	5	18	42	0.54	5	5	75	2.5	217	16.08
88SJB3917	0.98	0.20	5	70	0.25	1	1.21	0.5	49	119	125	10.95	30	0.5	0.01	230	0.38	1741	6	0.01	76	680	66	5	25	51	0.50	5	5	103	2.5	219	17.37
88SJB3918	1.33	0.20	2.5	20	0.25	1	1.33	0.5	38	71	89	6.93	20	0.5	0.02	160	0.53	1367	4	0.01	62	560	30	2.5	20	48	0.57	5	5	67	2.5	133	18.67
88SJB3919	1.47	0.20	25	30	0.25	1	1.23	0.5	50	77	108	7.78	20	0.5	0.01	220	0.61	1502	4	0.01	73	490	30	2.5	22	38	0.51	5	5	68	2.5	198	19.58
88SJB3920	1.41	0.20	5	20	0.25	1	1.31	0.25	45	73	97	6.91	20	0.5	0.01	180	0.56	1390	4	0.01	72	490	34	2.5	21	48	0.57	5	5	69	2.5	167	20.88
88SJB3921	1.25	0.20	5	20	0.25	1	1.17	0.5	42	62	98	6.54	20	0.5	0.01	160	0.51	1265	3	0.01	70	460	32	2.5	19	41	0.50	5	5	59	2.5	151	22.40
88SJB3922	1.20	0.20	10	30	0.25	1	1.14	0.5	45	65	121	9.99	20	0.5	0.02	150	0.52	2131	4	0.01	88	450	46	5	20	35	0.41	5	5	71	2.5	165	23.93
88SJB3923	0.99	0.20	10	30	0.25	1	1.19	0.25	48	62	99	11.06	20	0.5	0.01	170	0.44	2359	5	0.01	95	530	72	5	17	36	0.42	5	5	77	2.5	181	24.69
88SJB3924	1.32	0.20	2.5	20	0.25	1	0.99	0.5	47	68	106	6.89	20	0.5	0.01	170	0.52	1329	5	0.00	94	380	26	2.5	19	35	0.44	5	5	59	2.5	140	25.76
88SJB4001	1.48	0.20	20	20	0.25	1	2.01	1.5	41	88	71	8.56	30	2	0.00	260	0.57	1548	6	0.01	44	600	48	5	23	70	0.96	5	5	115	20	346	1.14
88SJB4006	1.54	0.20	95	30	0.25	1	1.92	1	74	90	132	10.80	30	0.5	0.02	240	0.68	1723	9	0.01	82	620	66	5	25	56	0.72	5	5	102	20	499	4.80
88SJB4007	4.57	0.10	100	140	0.25	1	4.34	1.5	220	274	470	15.00	30	0.5	0.03	760	1.62	6680	18	0.04	243	1320	304	20	74	149	2.19	5	5	372	100	926	5.64
88SJB4009	1.04	0.10	30	80	0.25	14	0.98	0.25	55	121	107	12.16	20	0.5	0.00	320	0.39	2070	5	0.01	94	680	116	2.5	27	47	0.60	5	5	115	10	244	7.62
88SJB4010	1.33	0.10	5	20	0.25	1	0.85	0.5	92	75	139	7.33	5	0.5	0.02	130	0.55	1265	5	0.01	79	270	30	2.5	20	22	0.36	5	5	56	20	164	8.76
88SJB4011	1.41	0.10	70	30	0.25	10	1.11	0.25	54	104	104	8.89	10	0.5	0.01	250	0.55	1655	5	0.01	78	580	42	2.5	22	31	0.58	5	5	84	30	222	9.91
88SJB4012	1.35	0.10	15	20	0.25	1	1.03	0.5	48	69	99	8.30	5	0.5	0.01	350	0.48	1520	3	0.01	59	460	58	2.5	19	31	0.56	10	5	85	20	242	11.20
88SJB4013	1.06	0.20	10	30	0.25	1	2.02	1.5	83	93	195	12.82	30	1	0.02	260	0.49	1523	4	0.01	59	740	68	5	18	55	0.88	5	5	155	55	387	12.65
88SJB4014	1.06	0.20	20	30	0.25	1	1.57	0.5	43	60	98	7.41	20	0.5	0.01	200	0.43	1251	4	0.01	44	860	42	2.5	18	53	0.64	5	5	79	2.5	174	14.10
88SJB4015	0.89	0.20	50	40	0.25	1	2.42	1	58	56	119	10.37	30	4	0.02	180	0.48	1251	7	0.01	60	670	50	5	14	58	0.86	5	5	121	15	294	16.08
88SJB4016	0.93	0.20	15	30	0.25	1	1.31	0.5	52	56	102	7.88	20	0.5	0.00	200	0.36	1246	5	0.01	69	650	64	2.5	17	41	0.56	5	5	75	5	204	17.07
88SJB4017	0.96	0.20	15	20	0.25	1	1.34	1	62	45	142	6.50	20	0.5	0.02	150	0.45	1121	5	0.01	72	570	26	2.5	16	38	0.50	5	5	55	2.5	304	18.14
88SJB4018	1.14	0.20	2.5	20	0.25	1	0.59	0.25	69	59	141	5.54	20	0.5	0.02	160	0.53	927	4	0.00	140	350	14	2.5	17	14	0.18	5	5	32	2.5	91	19.35
88SJB4019	1.30	0.20	20	30	0.25	1	0.85	0.25	140	75	254	8.54	20	0.5	0.04	190	0.60	1522	5	0.01	177	490	36	2.5	22	26	0.34	5	5	59	2.5	134	21.21
88SJB4020	1.66	0.20	10	30	0.25	1	0.91	0.5	73	83	166	8.68	20	0.5	0.02	190	0.75	1532	5	0.00	112	410	34	5	24	23	0.36	5	5	55	2.5	160	22.71
88SJB4021	1.38	0.20	35	30	0.25	1	0.96	0.25	84	70	151	7.77	30	0.5	0.02	260	0.62	1472	5	0.01	121	490	36	5	21	29	0.46	5	5	54	130	175	23.16
88SJB4022	1.25	0.20	15	30	0.25	1	0.85	0.5	72	65	162	7.49	20	0.5	0.02	200	0.58	1193	4	0.00	110	440	32	2.5	18	22	0.32	5	5	48	2.5	181	23.85
88SJB4023	1.03	0.20	15	30	0.25	1	0.90	0.25	64	59	143	7.43	20	0.5	0.02	210	0.47	1179	4	0.01	115	560	36	2.5	16	24	0.33	5	5	51	2.5	159	24.54
88SJB4103	0.88	0.20	2.5	30	0.25	1	1.10	0.25	19	87	39	4.72	10	2	0.01	150	0.38	822	2	0.01	20	420	18	2.5	13	32	0.59	5	5	93	2.5	42	2.82
88SJB4108	1.00	0.20	2.5	50	0.25	1	1.20	0.5	67	76	157	9.71	20	0.5	0.02	190	0.43	1430	11	0.01	101	560	44	5	19	44	0.45	5	5	76	2.5	153	8.69
88SJB4109	0.92	0.20	2.5	50	0.25	1	1.23	1	52	99	90	10.24	30	0.5	0.01	220	0.38	1482	6	0.01	79	580	58	2.5	21	50	0.46	5	5	92	2.5	209	10.06

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB4110	0.82	1.40	10	50	0.25	1	1.20	0.5	47	75	94	10.52	20	0.5	0.01	180	0.33	1416	8	0.00	77	460	80	5	19	41	0.46	5	5	81	2.5	194	11.13
88SJB4111	1.02	0.10	2.5	60	0.25	1	1.14	0.5	51	85	104	10.28	5	0.5	0.01	240	0.38	1665	1	0.01	66	450	70	2.5	21	39	0.52	5	5	102	30	230	12.04
88SJB4112	1.06	0.10	20	50	0.25	1	1.02	0.25	58	75	112	10.01	5	0.5	0.02	210	0.40	1580	2	0.01	81	380	54	2.5	19	34	0.48	10	5	86	40	250	13.56
88SJB4113	1.14	0.10	45	40	0.25	10	1.14	0.25	57	74	114	10.37	10	0.5	0.01	270	0.46	1780	4	0.01	81	540	56	5	21	39	0.58	5	5	78	5	174	14.02
88SJB4115	0.72	0.10	2.5	70	0.25	1	2.35	0.25	41	45	71	15.00	5	0.5	0.04	50	0.45	8640	0.5	0.01	102	320	20	10	14	39	0.09	5	5	179	100	88	17.30
88SJB4116	0.35	0.20	35	70	0.25	2	2.31	0.25	23	29	324	15.00	30	0.5	0.04	20	0.39	9935	6	0.01	167	520	14	5	11	38	0.06	5	5	110	50	118	18.44
88SJB4310	1.22	0.20	25	20	0.25	2	1.10	0.25	55	67	113	7.26	30	0.5	0.01	220	0.45	1357	4	0.01	64	460	44	2.5	17	35	0.46	5	5	73	15	159	22.40
88SJB4311	1.58	0.20	30	20	0.25	2	1.22	0.25	56	82	120	7.86	30	0.5	0.01	200	0.56	1679	4	0.01	62	470	40	2.5	21	42	0.55	5	5	83	25	167	23.01
88SJB4312	1.65	0.20	15	20	0.25	2	1.42	0.5	63	88	113	8.47	30	1	0.01	260	0.57	1805	5	0.01	64	560	64	2.5	23	51	0.63	5	5	93	40	128	24.23
88SJB4313	1.24	0.20	15	20	0.25	2	1.23	0.5	68	70	109	7.39	30	0.5	0.02	220	0.43	1395	3	0.01	61	550	40	2.5	17	42	0.56	5	5	84	15	178	26.06
88SJB4315	1.51	0.20	25	20	0.25	2	1.14	0.25	86	74	136	7.48	30	0.5	0.02	220	0.48	1742	3	0.01	64	420	32	2.5	20	42	0.60	5	5	77	20	74	28.12
88SJB4317	1.27	0.20	40	20	0.25	2	1.13	0.25	73	52	214	6.51	20	0.5	0.02	110	0.32	940	4	0.01	90	460	22	2.5	11	77	0.34	5	5	73	5	74	29.81
88SJB4404	1.21	0.20	10	10	0.25	2	1.02	0.25	52	59	99	5.50	30	0.5	0.01	170	0.41	1189	2	0.01	60	280	28	2.5	16	42	0.57	5	5	67	15	118	4.27
88SJB4405	1.51	0.20	5	10	0.25	2	1.55	0.25	142	88	194	6.20	30	1	0.01	160	0.40	914	8	0.01	98	370	24	2.5	22	344	0.45	5	5	100	50	60	4.95
88SJB4406	1.29	0.20	5	10	0.25	2	1.12	0.25	59	61	102	5.69	20	0.5	0.01	170	0.44	1207	2	0.01	61	330	34	2.5	17	63	0.54	5	5	71	15	95	4.72
88SJB4502	1.24	0.20	15	10	0.25	2	1.16	0.25	47	61	84	5.15	20	0.5	0.00	230	0.43	1199	2	0.01	47	350	38	2.5	17	48	0.69	5	5	68	5	111	5.33
88SJB4503	1.24	0.20	20	10	0.25	2	1.06	0.25	49	65	86	5.47	10	0.5	0.00	190	0.44	1245	1	0.01	56	340	34	2.5	17	43	0.62	5	5	68	2.5	111	7.77
88SJB4511	1.84	0.20	20	10	0.25	2	1.11	0.25	55	87	107	6.83	20	0.5	0.00	230	0.64	1844	2	0.01	57	400	34	2.5	26	42	0.63	5	5	73	2.5	102	9.60
88SJB4603	1.88	0.20	5	10	0.25	2	1.24	0.25	91	90	196	7.94	20	0.5	0.00	300	0.64	2005	2	0.01	102	520	42	2.5	27	44	0.73	5	5	80	2.5	104	3.89
88SJB4604	1.79	0.20	45	20	0.25	2	1.31	0.25	54	93	100	7.11	30	0.5	0.00	330	0.64	1878	2	0.01	49	600	48	2.5	26	45	0.68	5	5	87	10	78	5.33
88SJB4610	1.67	0.40	40	20	0.25	2	0.90	0.5	107	82	360	9.26	30	0.5	0.00	320	0.57	1921	7	0.01	228	510	80	2.5	24	29	0.55	5	5	67	5	200	30.48
88SJB4611	1.11	0.20	35	10	0.25	2	1.03	0.25	70	59	152	6.40	20	0.5	0.00	210	0.41	1167	2	0.01	76	520	36	2.5	16	36	0.53	5	5	66	5	147	33.07
88SJB4703	1.15	0.20	15	10	0.25	2	0.97	0.25	34	61	69	4.71	20	0.5	0.00	250	0.40	1223	1	0.00	27	430	32	2.5	16	32	0.58	5	5	67	2.5	94	13.26
88SJB4704	1.21	0.20	15	10	0.25	2	1.00	0.25	66	63	86	5.28	10	0.5	0.00	200	0.42	1313	1	0.01	48	360	30	2.5	17	31	0.58	5	5	64	30	60	14.48
88SJB4705	1.21	0.20	15	20	0.25	2	1.10	0.25	34	65	50	4.49	20	0.5	0.00	240	0.43	1216	2	0.01	30	510	30	2.5	17	36	0.57	5	5	67	20	53	16.00
88SJB4707	1.20	0.20	10	10	0.25	2	1.28	0.25	24	58	39	3.91	20	0.5	0.01	200	0.43	1146	1	0.01	20	540	28	2.5	16	50	0.61	5	5	65	5	62	17.98
88SJB4708	1.58	0.20	10	10	0.25	2	1.18	0.25	30	82	59	5.37	20	0.5	0.01	280	0.55	1668	1	0.01	34	440	32	2.5	23	39	0.66	5	5	72	2.5	81	19.20
88SJB4709	1.32	0.20	15	10	0.25	2	1.34	0.25	30	68	77	4.70	20	0.5	0.00	230	0.45	1233	2	0.01	38	440	30	2.5	18	56	0.76	5	5	81	5	71	21.56
88SJB4710	1.40	0.20	5	10	0.25	2	1.29	0.25	24	68	41	4.55	20	0.5	0.01	240	0.47	1359	1	0.01	27	540	30	2.5	19	51	0.66	5	5	72	2.5	49	23.09
88SJB4711	1.23	0.20	20	20	0.25	2	1.28	0.25	38	64	82	4.73	10	1	0.01	220	0.42	1205	2	0.01	41	500	36	2.5	17	50	0.68	5	5	76	2.5	103	25.30
88SJB4712	1.32	0.20	10	20	0.25	2	1.26	0.25	28	68	54	4.46	20	0.5	0.01	260	0.45	1315	2	0.01	23	480	54	2.5	18	48	0.71	5	5	73	30	43	26.67
88SJB4803	1.57	0.20	20	10	0.25	2	1.26	0.25	35	80	73	5.61	20	0.5	0.01	250	0.55	1572	2	0.01	31	490	32	2.5	22	51	0.72	5	5	78	2.5	85	10.52
88SJB4805	1.47	0.20	2.5	10	0.25	2	1.29	0.25	32	68	71	4.74	20	0.5	0.01	230	0.50	1400	1	0.01	27	470	28	2.5	20	58	0.69	5	5	69	60	69	11.43
88SJB4905	1.35	0.20	10	10	0.25	2	1.15	0.25	29	68	58	4.82	20	0.5	0.01	220	0.47	1328	2	0.01	27	390	24	2.5	19	49	0.66	5	5	72	5	68	7.77
88SJB4906	1.21	0.20	20	10	0.25	2	1.19	0.25	25	58	60	4.09	10	0.5	0.01	170	0.43	1157	2	0.01	23	370	26	2.5	16	52	0.65	5	5	66	2.5	74	9.30

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Tl	Ti	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB4907	1.29	0.20	10	10	0.25	2	1.21	0.25	30	63	58	4.54	10	0.5	0.01	200	0.47	1225	2	0.01	29	440	24	2.5	18	52	0.65	5	5	70	2.5	79	9.91
88SJB4908	1.23	0.20	5	10	0.25	1	1.32	0.25	36	136	69	4.75	20	0.5	0.01	280	0.50	1160	1	0.02	35	990	32	2.5	17	54	0.53	5	5	71	15	78	10.36
88SJB4909	1.32	0.20	20	10	0.25	2	1.04	0.25	35	65	81	5.98	10	0.5	0.01	180	0.47	1345	7	0.01	32	330	24	2.5	18	39	0.59	5	5	68	5	78	10.82
88SJB5001	1.34	0.20	2.5	10	0.25	2	1.06	0.25	9	72	27	4.26	20	0.5	0.00	290	0.45	1343	2	0.00	7	450	38	2.5	19	39	0.61	5	5	75	5	39	3.51
88SJB5002	1.17	0.20	10	10	0.25	2	1.15	0.25	30	56	65	4.44	10	0.5	0.00	190	0.40	1147	3	0.01	31	380	24	2.5	16	47	0.64	5	5	67	5	69	4.72
88SJB5003	1.11	0.20	20	20	0.25	2	1.13	0.25	31	54	63	4.91	10	0.5	0.01	190	0.39	1112	7	0.01	31	580	26	2.5	15	47	0.58	5	5	64	2.5	82	5.64
88SJB5004	1.09	0.20	15	10	0.25	2	1.12	0.25	32	54	66	4.02	10	0.5	0.01	190	0.39	1068	2	0.01	35	410	26	2.5	15	48	0.58	5	5	61	15	62	6.55
88SJB5005	1.05	0.20	5	10	0.25	26	1.11	0.25	33	52	59	3.96	10	0.5	0.01	170	0.38	991	1	0.01	36	450	28	2.5	14	47	0.56	5	5	62	5	60	7.85
88SJB5006	1.48	0.20	15	20	0.25	2	1.19	0.25	30	70	46	4.87	10	0.5	0.02	190	0.53	1439	1	0.01	26	380	26	2.5	20	48	0.66	5	5	71	10	36	8.69
88SJB5007	1.21	0.20	15	10	0.25	1	1.79	0.25	25	111	53	4.29	10	0.5	0.01	260	0.52	1025	2	0.02	23	1220	24	2.5	16	71	0.56	5	5	75	10	54	9.14
88SJB5008	1.25	0.20	5	10	0.25	2	1.18	0.25	24	64	44	4.36	20	0.5	0.02	220	0.45	1215	1	0.01	21	380	36	2.5	17	48	0.58	5	5	71	5	76	9.60
88SJB5107	1.38	0.20	5	10	0.25	2	1.27	0.25	29	69	122	4.76	10	0.5	0.01	200	0.46	1329	1	0.01	24	380	28	2.5	19	60	0.74	5	5	76	5	76	20.73
88SJB5108	1.76	0.20	20	10	1	1	1.99	0.25	32	238	152	5.39	20	0.5	0.02	240	0.70	1590	2	0.04	28	1550	30	2.5	24	90	0.55	5	5	80	5	112	21.64
88SJB5109	1.56	0.20	10	10	0.25	2	1.43	0.25	27	81	66	5.20	10	0.5	0.02	220	0.53	1522	2	0.01	26	440	28	2.5	21	65	0.76	5	5	89	2.5	71	22.71
88SJB5110	2.00	0.20	2.5	10	0.25	1	1.90	0.25	24	297	53	5.50	10	0.5	0.00	290	0.70	1790	2	0.03	24	920	34	2.5	27	104	0.71	5	5	88	10	70	23.47
88SJB5111	1.57	0.20	15	10	0.25	2	1.12	0.25	35	79	57	5.65	20	0.5	0.01	280	0.54	1677	2	0.01	32	480	38	2.5	23	38	0.60	5	5	77	55	94	24.84
88SJB5112	1.18	0.20	25	10	0.25	2	1.21	25	30	122	56	4.43	20	0.5	0.01	270	0.44	1170	1	0.01	27	880	28	2.5	17	48	0.47	5	5	68	5	57	26.21
88SJB5201	2.75	0.10	2.5	10	0.25	1	1.48	0.25	11	295	1	6.43	5	0.5	0.00	190	0.85	2235	0.5	0.03	9	510	14	5	34	111	0.56	5	5	96	20	40	0.76
88SJB5211	1.74	0.20	20	10	0.25	2	1.27	0.25	38	91	87	6.42	20	0.5	0.00	250	0.59	1840	1	0.01	33	380	36	2.5	25	55	0.86	5	5	94	10	81	21.49
88SJB5207	1.34	0.20	25	10	0.25	2	1.17	0.25	38	71	85	5.10	20	0.5	0.01	260	0.45	1366	1	0.01	30	490	38	2.5	19	51	0.73	5	5	78	10	85	23.93
88SJB5208	1.53	0.20	30	20	0.25	2	1.24	0.25	38	76	87	5.47	20	0.5	0.02	260	0.52	1526	1	0.01	36	510	40	2.5	22	54	0.73	5	5	77	15	97	25.45
88SJB5209	1.50	0.20	10	10	0.25	2	1.27	0.25	30	73	62	5.06	20	0.5	0.01	250	0.52	1505	1	0.01	29	410	30	2.5	21	55	0.76	5	5	77	5	66	26.06
88SJB5210	1.55	0.20	10	20	0.25	2	1.24	0.25	30	80	69	5.31	20	0.5	0.02	250	0.55	1500	1	0.01	36	440	30	2.5	22	55	0.76	5	5	85	10	72	26.97
88SJB5212	1.99	0.20	10	10	0.25	2	1.35	0.25	35	104	55	6.56	20	0.5	0.00	300	0.68	2113	1	0.01	29	480	54	2.5	29	52	0.82	5	5	96	35	78	28.80
88SJB5216	1.31	0.20	2.5	10	1	2	1.75	0.25	25	146	49	4.01	20	0.5	0.01	280	0.54	1200	2	0.02	25	1070	28	2.5	18	72	0.55	5	5	69	10	55	32.92
88SJB5217	1.76	0.20	20	10	0.25	2	1.37	0.25	48	82	104	6.56	20	0.5	0.02	200	0.63	1803	1	0.01	44	400	72	2.5	25	55	0.75	5	5	91	20	87	33.99
88SJB5301	1.86	0.10	2.5	10	0.25	1	1.14	0.25	10	240	7	4.68	5	0.5	0.00	200	0.59	1400	0.5	0.01	10	400	16	2.5	21	92	0.47	10	5	80	10	34	0.76
88SJB5309	1.23	0.20	15	10	0.25	2	1.25	0.25	29	73	50	4.80	20	0.5	0.01	240	0.41	1254	1	0.01	24	420	32	2.5	18	48	0.70	5	5	87	5	70	23.01
88SJB5311	1.13	0.20	10	10	0.25	2	1.30	0.25	25	59	63	4.05	20	0.5	0.01	250	0.37	1119	8	0.01	22	410	28	2.5	16	52	0.76	5	5	77	25	55	24.54
88SJB5312	1.07	0.20	15	10	0.25	2	1.29	0.25	24	60	43	4.02	20	0.5	0.01	270	0.36	1065	1	0.01	25	470	28	2.5	15	48	0.72	5	5	76	25	48	25.15
88SJB5313	0.98	0.20	5	10	0.25	2	1.17	0.25	21	53	41	3.46	20	0.5	0.00	240	0.32	973	1	0.00	19	460	22	2.5	14	47	0.67	5	5	68	15	60	25.76
88SJB5314	1.46	0.20	10	10	0.5	1	1.39	0.25	26	300	41	4.43	20	0.5	0.00	240	0.53	1465	0.5	0.01	26	790	28	2.5	21	60	0.51	5	5	66	5	54	26.21
88SJB5315	1.34	0.20	10	10	0.25	2	1.28	0.25	22	70	36	4.47	20	0.5	0.00	250	0.44	1350	2	0.01	22	420	28	2.5	19	57	0.78	5	5	81	2.5	42	26.67
88SJB5316	1.28	0.20	2.5	20	0.25	2	1.36	0.25	28	74	52	5.10	20	0.5	0.00	380	0.44	1440	0.5	0.00	24	620	40	2.5	18	48	0.86	5	5	94	10	56	26.97
88SJB5320	0.77	0.20	1120	20	0.25	1	1.44	1	1870	63	488	15.00	5	0.5	0.01	50	0.37	1670	5	0.01	276	780	40	10	35	22	1.30	5	5	691	n/a	112	28.50
88SJB5401	2.89	0.10	10	10	0.25	1	1.14	0.25	13	309	2	7.34	5	0.5	0.00	310	0.92	2795	0.5	0.01	10	480	26	5	39	73	0.51	5	5	96	20	38	0.76
88SJB5403	1.18	0.20	15	10	0.25	2	1.06	0.25	38	61	73	4.71	20	0.5	0.01	240	0.42	1247	1	0.01	35	420	30	2.5	17	38	0.59	5	5	70	2.5	92	5.33

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB5405	1.48	0.20	10	20	0.25	2	1.28	0.25	32	86	62	5.60	20	0.5	0.00	340	0.50	1650	2	0.00	30	580	44	2.5	22	44	0.82	5	5	90	2.5	64	9.45
88SJB5407	1.35	0.20	5	10	0.25	2	1.37	0.5	28	71	53	4.65	20	0.5	0.01	250	0.46	1351	1	0.01	30	550	34	2.5	19	59	0.78	5	5	79	5	90	13.26
88SJB5408	1.27	0.20	15	10	0.25	2	1.21	0.25	28	66	42	4.51	20	0.5	0.00	240	0.42	1283	1	0.01	25	430	30	2.5	18	51	0.73	5	5	75	10	48	14.78
88SJB5409	1.20	0.20	5	10	0.25	2	1.14	0.25	20	67	37	4.18	20	0.5	0.01	240	0.41	1210	1	0.00	16	450	30	2.5	17	43	0.63	5	5	74	5	78	16.61
88SJB5411	1.16	0.20	5	10	0.25	2	0.98	0.5	20	66	31	4.23	20	0.5	0.00	220	0.39	1232	1	0.00	17	390	24	2.5	17	37	0.60	5	5	73	5	84	20.57
88SJB5412	1.58	0.20	5	10	0.5	1	1.44	0.25	16	284	22	4.54	20	1	0.00	310	0.55	1590	2	0.01	14	770	30	5	23	61	0.55	5	5	74	2.5	41	21.49
88SJB5413	0.86	0.20	2.5	10	0.25	2	1.12	0.25	11	49	17	2.92	20	0.5	0.00	240	0.29	823	1	0.00	9	550	30	2.5	12	48	0.59	5	5	65	2.5	41	21.95
88SJB5415	0.71	0.20	5	10	0.25	2	0.98	0.25	12	40	26	2.81	20	0.5	0.00	200	0.23	678	1	0.00	9	400	26	2.5	10	38	0.54	5	5	57	2.5	39	22.71
88SJB5507	0.96	0.20	15	10	0.25	2	0.98	0.25	36	56	79	4.22	20	0.5	0.00	250	0.35	1004	1	0.00	31	540	32	2.5	14	36	0.51	5	5	64	2.5	67	21.49
88SJB5508	0.98	0.20	20	10	0.25	2	1.08	0.25	31	53	80	3.97	20	0.5	0.00	230	0.38	984	2	0.01	30	580	30	2.5	14	39	0.55	5	5	58	5	76	22.40
88SJB5509	1.05	0.20	2.5	10	0.25	2	1.10	0.25	32	55	72	4.11	20	0.5	0.00	240	0.39	1033	1	0.01	33	660	30	2.5	15	43	0.56	5	5	60	5	67	22.71
88SJB5605	1.20	0.20	15	10	0.25	2	1.11	0.25	33	67	77	4.87	20	0.5	0.00	220	0.43	1203	2	0.01	39	530	32	2.5	17	45	0.63	5	5	73	2.5	66	15.09
88SJB5606	1.33	0.20	10	10	0.25	2	1.04	0.25	34	74	67	5.17	20	0.5	0.00	260	0.46	1406	1	0.01	32	510	32	2.5	19	38	0.64	5	5	71	2.5	85	16.00
88SJB5607	0.99	0.10	10	10	0.25	1	1.17	0.5	55	43	136	5.31	5	0.5	0.01	190	0.33	1700	1	0.09	29	350	22	2.5	13	43	0.57	10	5	62	20	1920	17.53
88SJB5706	0.73	0.10	20	10	0.25	1	1.02	0.25	32	37	67	3.18	5	0.5	0.01	200	0.26	715	0.5	0.04	29	430	20	2.5	10	38	0.52	10	5	57	10	86	24.54
88SJB5707	1.30	0.10	15	10	0.25	1	1.37	0.25	28	56	55	4.15	5	0.5	0.02	230	0.45	1220	1	0.22	24	500	32	2.5	18	65	0.68	20	5	70	10	76	26.67
88SJB5708	1.50	0.10	10	20	0.25	1	1.59	0.25	27	60	51	4.26	5	0.5	0.01	230	0.50	1360	1	0.26	24	550	30	2.5	20	80	0.81	10	5	76	10	66	30.02
88SJB5709	1.35	0.10	2.5	20	0.25	1	1.44	0.25	29	58	52	4.10	5	0.5	0.01	270	0.45	1260	2	0.22	27	590	30	2.5	18	73	0.74	10	5	73	30	58	31.85
88SJB5710	1.83	0.10	30	20	0.25	8	1.97	0.25	29	80	63	5.24	10	0.5	0.01	340	0.62	1700	0.5	0.31	30	730	40	2.5	26	106	1.09	5	5	91	10	112	33.38
88SJB5711	1.65	0.10	40	20	0.25	8	1.71	0.25	29	72	89	4.85	20	0.5	0.01	370	0.52	1625	0.5	0.30	24	570	46	2.5	24	89	1.00	5	5	83	5	96	33.83
88SJB5712	1.61	0.10	10	20	0.25	1	1.54	0.25	33	66	45	4.68	5	0.5	0.01	290	0.53	1535	0.5	0.29	33	560	42	2.5	22	74	0.80	20	5	80	10	78	35.81
88SJB5714	1.31	0.10	10	30	0.25	4	1.37	0.25	21	61	51	4.11	10	0.5	0.00	280	0.46	1335	1	0.31	20	570	30	2.5	19	58	0.81	5	5	68	5	76	40.39
88SJB5715	1.72	0.20	25	10	1	1	1.74	0.25	59	231	49	5.46	20	0.5	0.01	340	0.58	1630	1	0.02	26	860	34	2.5	25	90	0.75	5	5	92	10	63	41.30
88SJB5716	1.46	0.10	45	20	0.25	1	1.36	0.25	25	66	48	4.70	5	0.5	0.00	230	0.50	1495	0.5	0.31	19	470	18	2.5	20	98	0.80	5	5	75	5	50	41.61
88SJB5807	1.49	0.10	10	20	0.25	1	1.46	0.25	38	66	78	5.48	5	1	0.00	280	0.55	1485	0.5	0.32	30	690	36	2.5	21	57	0.67	10	5	81	60	74	33.07
88SJB5808	1.38	0.10	5	20	0.25	1	1.23	0.25	40	59	76	4.92	5	1	0.00	240	0.48	1370	0.5	0.31	32	450	32	2.5	19	49	0.65	10	5	73	20	106	34.90
88SJB5809	1.53	0.10	10	20	0.25	1	1.20	0.25	34	65	63	5.06	5	0.5	0.01	220	0.52	1515	0.5	0.31	29	340	32	2.5	21	65	0.69	10	5	76	20	96	35.81
88SJB5810	1.46	0.10	30	20	0.25	4	1.19	0.25	36	68	75	5.27	10	0.5	0.00	310	0.54	1610	0.5	0.38	35	720	40	2.5	21	45	0.70	5	5	67	40	82	36.88
88SJB5812	1.08	0.10	15	20	0.25	6	0.96	0.25	35	50	84	4.27	5	0.5	0.00	180	0.41	1135	0.5	0.29	42	470	24	2.5	15	30	0.52	5	5	54	120	100	41.00
88SJB5813	1.61	0.20	5	10	0.5	2	1.51	0.25	8	243	1	4.05	30	0.5	0.01	410	0.52	1430	0.5	0.02	7	1130	30	2.5	23	83	0.39	5	5	76	2.5	21	42.21
88SJB5814	1.09	0.10	60	20	0.25	6	1.28	0.25	203	60	374	6.13	30	0.5	0.00	210	0.47	1165	0.5	0.32	218	530	42	2.5	15	30	0.51	5	5	55	10	124	42.82
88SJB5903	1.02	0.10	15	20	0.25	4	0.99	0.25	48	51	126	4.61	30	0.5	0.00	250	0.39	1135	0.5	0.27	34	650	32	2.5	15	32	0.52	5	5	55	5	134	15.09
88SJB5904	1.08	0.10	15	20	0.25	4	1.25	0.25	39	55	67	5.07	40	0.5	0.00	310	0.46	1230	3	0.24	35	1020	36	2.5	16	39	0.59	5	5	63	10	100	12.65
88SJB5905	1.07	0.10	50	20	0.25	6	1.08	0.25	38	66	77	5.34	40	0.5	0.00	280	0.40	1240	0.5	0.23	28	750	26	2.5	15	43	0.59	5	5	86	5	60	20.88
88SJB5906	0.84	0.10	30	10	0.25	1	0.99	0.25	51	48	358	5.08	10	0.5	0.03	140	0.38	680	0.5	0.17	23	360	20	2.5	10	33	0.44	5	5	89	40	30	21.64
88SJB5907	0.87	0.10	5	10	0.25	1	1.14	0.25	14	50	65	3.85	20	0.5	0.01	180	0.28	720	0.5	0.15	10	500	20	2.5	10	58	0.60	10	5	92	20	26	24.23

Geochemical Results Heavy mineral fraction (s.g.>3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB6101	0.85	0.10	20	20	0.25	4	1.04	0.25	45	46	76	4.11	30	0.5	0.01	220	0.32	860	1	0.20	41	430	14	2.5	12	38	0.61	5	5	63	5	86	2.90
88SJB6102	1.07	0.10	30	20	0.25	4	1.18	0.25	38	51	69	4.39	30	0.5	0.02	250	0.39	1090	0.5	0.25	41	460	18	5	15	50	0.69	5	5	66	5	76	4.42
88SJB6103	1.16	0.10	10	20	0.25	6	1.29	0.25	29	49	58	3.65	30	0.5	0.01	200	0.42	1105	0.5	0.28	28	380	20	2.5	16	56	0.70	5	5	60	5	64	8.69
88SJB6104	1.05	0.10	15	20	0.25	1	1.32	0.25	27	44	46	3.32	20	0.5	0.02	230	0.36	980	0.5	0.21	19	470	26	2.5	14	57	0.70	10	5	65	10	64	11.13
88SJB6105	1.23	0.10	5	20	0.25	1	1.41	0.25	28	54	45	3.91	20	0.5	0.01	230	0.41	1175	0.5	0.29	25	370	26	2.5	17	66	0.78	20	5	74	10	46	13.87
88SJB6106	1.16	0.10	5	20	0.25	1	1.23	0.25	27	53	43	3.92	20	0.5	0.02	230	0.39	1145	0.5	0.25	26	550	28	2.5	16	51	0.66	20	5	69	10	64	16.31
88SJB6120	1.68	0.10	55	20	0.25	4	1.24	0.25	29	68	49	5.19	30	0.5	0.02	230	0.61	1605	0.5	0.40	27	510	28	2.5	23	46	0.70	5	5	59	5	128	36.42
88SJB6122	1.19	0.10	30	20	0.25	8	1.24	0.25	36	54	52	4.81	40	0.5	0.01	290	0.41	1325	1	0.23	32	530	26	2.5	18	47	0.77	5	5	66	5	104	39.47
88SJB6124	1.34	0.10	35	20	0.25	4	1.21	0.25	34	60	95	4.88	30	0.5	0.01	230	0.46	1415	0.5	0.34	32	400	22	2.5	19	47	0.72	5	5	62	5	74	44.04
88SJB6125	1.02	0.10	45	20	0.25	4	1.13	0.25	35	43	64	4.02	30	2	0.01	260	0.37	1110	1	0.25	36	470	30	2.5	15	38	0.59	5	5	53	20	76	45.57
88SJB6126	1.37	0.10	60	20	0.25	4	1.32	0.25	33	57	62	4.71	30	0.5	0.01	260	0.46	1475	0.5	0.35	36	510	34	2.5	20	53	0.76	5	5	63	10	84	47.09
88SJB6201	0.99	0.10	2.5	10	0.25	1	1.29	0.25	10	46	2	3.02	20	0.5	0.01	240	0.32	895	0.5	0.20	8	460	24	2.5	14	55	0.81	20	5	78	10	24	3.05
88SJB6202	0.83	0.10	10	10	0.5	1	0.91	0.25	42	37	53	3.71	10	0.5	0.01	140	0.30	830	0.5	0.26	33	290	22	2.5	11	37	0.50	10	5	57	10	76	3.51
88SJB6203	0.79	0.10	2.5	20	0.5	1	1.08	0.25	27	35	51	3.14	30	0.5	0.01	190	0.27	815	1	0.18	24	330	22	2.5	11	38	0.60	20	5	62	10	52	5.03
88SJB6204	0.87	0.10	10	20	1	1	1.04	0.25	26	40	34	3.31	30	0.5	0.01	200	0.29	880	0.5	0.22	21	320	22	2.5	12	41	0.58	20	5	63	5	56	7.47
88SJB6205	0.83	0.10	15	20	1	1	1.03	0.25	24	38	40	2.99	30	0.5	0.01	180	0.28	805	0.5	0.18	20	350	22	2.5	12	45	0.56	20	5	60	5	86	10.52
88SJB6206	1.03	0.10	10	20	1.5	1	1.15	0.25	22	45	31	3.50	30	0.5	0.01	210	0.34	1045	0.5	0.19	17	390	30	2.5	15	50	0.66	20	5	69	5	82	12.65
88SJB6207	1.09	0.10	10	20	0.25	6	1.28	0.25	18	50	32	3.56	40	0.5	0.01	300	0.37	1100	0.5	0.25	16	550	24	2.5	15	58	0.77	5	5	67	5	78	13.87
88SJB6208	0.91	0.10	15	20	1.5	1	1.13	0.25	20	41	25	3.12	30	0.5	0.01	170	0.30	885	0.5	0.21	19	310	24	2.5	13	49	0.65	20	5	67	5	46	15.39
88SJB6209	0.85	0.10	5	10	1	1	0.93	0.25	25	44	35	3.41	30	0.5	0.01	190	0.30	885	0.5	0.19	20	330	22	2.5	12	38	0.54	20	5	62	5	60	18.75
88SJB6210	0.69	0.10	5	10	0.5	1	0.82	0.25	29	40	33	3.26	30	0.5	0.00	200	0.27	730	0.5	0.17	25	480	16	2.5	10	27	0.39	10	5	55	5	50	20.57
88SJB6211	0.88	0.10	20	20	1.5	1	0.80	0.25	27	50	45	3.89	30	0.5	0.00	240	0.31	990	0.5	0.23	22	400	24	2.5	13	26	0.46	20	5	62	5	58	23.32
88SJB6212	0.89	0.10	5	20	1	1	0.87	0.25	31	47	40	3.93	40	1	0.00	250	0.31	965	0.5	0.19	22	440	26	2.5	13	29	0.49	20	5	64	5	72	25.45
88SJB6214	1.12	0.10	15	20	1.5	1	0.94	0.5	33	58	47	4.89	30	0.5	0.00	230	0.38	1205	2	0.26	34	420	34	2.5	16	31	0.51	20	5	65	10	96	29.72
88SJB6215	1.14	0.10	5	20	0.25	6	1.08	0.25	23	55	43	4.53	30	0.5	0.01	220	0.42	1235	1	0.28	22	450	18	2.5	17	32	0.54	5	5	59	5	104	30.33
88SJB6216	1.34	0.10	55	20	0.25	2	1.11	0.25	23	61	27	4.94	30	0.5	0.01	230	0.47	1465	0.5	0.41	24	470	38	2.5	20	39	0.63	5	5	65	5	126	31.55
88SJB6305	1.04	0.10	30	10	1.5	1	0.89	0.25	50	49	78	4.77	30	0.5	0.01	210	0.38	1060	0.5	0.19	45	430	34	2.5	15	38	0.49	10	5	62	10	100	14.78
88SJB6402	0.95	0.10	2.5	20	1.5	1	0.85	0.5	56	52	95	5.04	30	0.5	0.01	180	0.34	1015	0.5	0.21	58	360	28	5	13	34	0.52	20	5	66	10	94	8.53
88SJB6403	0.67	0.10	10	10	1	1	0.71	0.25	53	38	100	4.08	20	0.5	0.00	170	0.26	720	0.5	0.14	52	400	24	2.5	9	24	0.38	20	5	49	5	100	9.14
88SJB6404	0.79	0.10	10	20	1	1	1.23	0.25	41	40	87	3.49	20	0.5	0.04	140	0.30	765	9	0.19	37	510	18	2.5	10	36	0.92	20	5	59	180	84	9.91
88SJB6506	1.08	0.10	2.5	20	3	4	1.06	0.25	72	61	187	6.53	20	0.5	0.01	140	0.38	1700	2	0.24	74	410	22	2.5	14	44	0.62	10	5	86	10	112	40.69
88SJB6507	1.21	0.10	120	20	0.25	6	1.04	0.25	343	66	1284	12.18	40	0.5	0.01	160	0.45	2290	12	0.27	137	490	34	2.5	15	43	0.66	5	5	75	20	112	43.13
88SJB6701	1.26	0.10	2.5	10	1.5	1	1.09	0.25	10	62	42	3.86	40	2	0.00	300	0.40	1285	1	0.26	5	370	24	2.5	18	51	0.63	30	5	79	10	26	1.68
88SJB6702	1.29	0.10	10	10	1.5	1	1.12	0.25	35	59	65	4.77	30	1	0.00	250	0.41	1300	1	0.24	32	400	24	2.5	18	50	0.67	20	5	77	10	72	5.03
88SJB6703	1.22	0.10	25	20	0.25	6	1.17	0.25	40	68	96	5.39	50	0.5	0.00	360	0.42	1360	0.5	0.26	41	650	46	2.5	18	42	0.79	5	5	81	10	100	7.47
88SJB6704	1.09	0.10	5	10	1.5	1	1.12	0.25	35	52	64	4.23	30	0.5	0.00	220	0.36	1100	1	0.23	36	410	24	2.5	15	47	0.63	30	5	70	5	76	8.08
88SJB6705	1.09	0.10	2.5	10	2.5	1	1.17	0.25	34	54	71	4.46	40	0.5	0.00	280	0.35	1110	0.5	0.20	34	380	32	2.5	15	48	0.73	30	5	78	5	64	9.60
88SJB6706	1.11	0.10	30	20	0.25	6	1.35	0.25	41	57	94	4.50	40	0.5	0.01	240	0.39	1085	0.5	0.26	26	460	34	2.5	16	51	0.77	5	5	82	590	66	11.73

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn	Depth
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm	metres
88SJB6707	0.98	0.10	2.5	20	1.5	1	1.19	0.25	28	46	48	3.72	30	1	0.01	210	0.31	945	0.5	0.20	24	430	24	2.5	13	51	0.64	30	5	73	40	44	14.10
88SJB6708	0.55	0.10	15	10	1	1	0.62	0.25	26	20	55	2.62	10	0.5	0.01	100	0.32	420	0.5	0.12	22	230	12	2.5	5	20	0.29	5	5	47	130	60	16.00
88SJB6709	0.56	0.10	10	10	1.5	4	0.78	0.25	62	29	85	2.92	20	0.5	0.00	130	0.23	500	1	0.16	29	310	18	2.5	8	24	0.35	10	5	52	2170	82	18.14
88SJB6710	0.62	0.10	20	10	1	1	0.75	0.25	36	35	58	3.26	20	0.5	0.01	130	0.24	610	0.5	0.21	21	260	18	2.5	8	22	0.39	10	5	56	230	70	19.66
88SJB6711	0.64	0.10	40	20	0.25	2	0.88	0.25	28	33	74	3.17	30	0.5	0.00	220	0.25	655	0.5	0.23	23	380	30	2.5	9	27	0.50	5	5	56	40	58	20.27
88SJB6712	0.32	0.10	10	10	0.5	1	0.43	0.25	14	18	30	1.64	10	0.5	0.00	90	0.12	335	0.5	0.10	12	150	12	2.5	4	12	0.25	10	5	29	5	42	22.71
88SJB6715	0.77	0.10	10	30	0.5	1	0.85	0.25	44	47	42	4.31	30	1	0.01	170	0.28	775	4	0.18	31	250	22	2.5	10	26	0.59	20	5	100	5	56	29.72
88SJB6718	0.77	0.10	30	20	0.25	4	1.11	0.25	45	58	60	5.46	40	0.5	0.00	280	0.26	800	0.5	0.19	28	490	24	2.5	11	44	0.80	5	5	107	10	50	35.20
88SJB6719	0.77	0.10	35	20	0.25	4	1.21	0.25	33	55	52	5.02	40	0.5	0.00	230	0.26	805	0.5	0.20	28	490	24	2.5	11	46	0.83	5	5	103	10	52	35.81
88SJB6720	0.64	0.10	20	20	0.25	4	1.13	0.25	35	50	40	5.13	30	0.5	0.00	180	0.22	645	0.5	0.18	24	530	22	2.5	9	39	0.70	5	5	93	30	56	36.73
88SJB6721	1.30	0.20	25	10	0.25	1	1.86	0.25	39	136	48	6.11	5	0.5	0.01	230	0.42	1065	1	0.02	24	770	24	2.5	17	87	0.85	5	5	131	20	44	37.49
88SJB6803	0.64	0.10	25	20	0.25	2	0.87	0.25	33	39	71	3.43	30	0.5	0.01	220	0.24	690	0.5	0.20	36	490	24	2.5	9	26	0.51	5	5	55	10	98	6.55
88SJB6804	0.64	0.10	2.5	10	0.25	1	0.71	0.25	35	33	92	3.38	20	0.5	0.00	160	0.24	660	6	0.16	25	350	20	2.5	9	24	0.42	20	5	52	30	120	7.77
88SJB6806	1.78	0.20	30	10	2.5	1	1.30	0.25	46	285	61	6.40	20	0.5	0.00	270	0.61	1885	1	0.01	36	630	34	5	27	61	0.56	5	5	91	10	86	11.13
88SJB6807	1.00	0.10	2.5	10	1	1	1.01	0.25	35	50	67	4.26	20	0.5	0.00	210	0.33	1005	0.5	0.21	27	400	26	2.5	14	39	0.61	10	5	72	5	82	12.34
88SJB6808	1.29	2.00	30	10	1.5	1	1.45	0.25	85	160	1265	6.11	20	0.5	0.01	220	0.49	1270	0.5	0.02	55	830	22	2.5	19	61	0.59	5	5	80	65	73	13.11
88SJB6809	0.84	13.60	50	20	1.5	1	0.63	0.25	626	28	3323	15.00	5	0.5	0.01	70	0.26	655	0.5	0.17	229	5	48	5	9	23	0.28	5	5	48	500	62	13.56
88SJB6904	0.91	0.10	30	20	0.25	6	0.98	0.25	50	48	222	4.48	30	0.5	0.00	220	0.33	970	1	0.25	40	480	32	2.5	13	37	0.56	5	5	59	20	64	11.43
88SJB6905	0.72	0.10	25	20	0.25	4	0.88	0.25	34	42	84	3.56	30	0.5	0.01	250	0.25	780	3	0.21	33	490	28	2.5	10	28	0.51	5	5	52	5	120	14.48
88SJB6907	0.59	0.10	10	10	0.25	4	0.74	0.25	33	33	78	3.20	10	0.5	0.00	180	0.21	565	1	0.13	30	290	22	2.5	8	25	0.45	10	5	52	5	62	18.14
88SJB6908	0.63	0.10	15	10	0.25	1	0.72	0.25	39	35	75	3.37	10	1	0.00	170	0.24	625	0.5	0.14	30	400	22	2.5	8	25	0.40	5	5	50	10	106	19.35
88SJB6909	0.82	0.10	20	20	0.25	1	0.81	0.5	42	42	85	4.11	10	0.5	0.01	200	0.30	840	1	0.16	38	450	28	2.5	11	26	0.47	5	5	56	5	98	20.27
88SJB6910	0.87	0.10	5	10	0.25	4	0.92	0.25	39	46	58	3.88	10	0.5	0.01	220	0.32	865	1	0.15	39	480	32	2.5	12	32	0.54	5	5	59	10	64	21.18
88SJB6911	1.05	0.10	20	10	0.25	1	0.93	0.25	40	49	65	4.29	10	0.5	0.00	210	0.37	1080	2	0.21	37	440	24	2.5	14	32	0.54	5	5	62	10	62	22.71
88SJB6912	0.96	0.10	10	10	0.25	1	0.94	0.25	44	47	64	4.06	10	0.5	0.01	210	0.33	995	1	0.19	45	540	24	2.5	13	34	0.50	5	5	58	20	68	24.23
88SJB6913	1.09	0.10	15	10	0.25	1	1.03	0.25	33	53	77	3.90	10	0.5	0.01	250	0.37	1110	0.5	0.23	29	520	26	2.5	15	42	0.57	5	5	62	70	48	26.37
88SJB6914	1.37	0.10	20	20	0.25	6	1.22	0.25	31	67	81	4.70	50	1	0.01	330	0.47	1490	0.5	0.32	32	550	36	2.5	20	48	0.79	5	5	70	5	116	28.50
88SJB6915	1.09	0.10	20	20	0.25	4	1.15	0.25	29	56	72	4.12	40	0.5	0.01	290	0.39	1140	1	0.24	31	610	28	2.5	16	41	0.69	5	5	66	5	120	30.33
88SJB6916	1.32	0.10	25	20	0.25	4	1.25	0.25	37	66	81	4.86	50	0.5	0.02	330	0.46	1425	0.5	0.31	36	600	48	2.5	19	44	0.73	5	5	72	5	106	30.63
88SJB6917	1.30	0.10	30	20	0.25	6	1.16	0.25	51	69	112	5.08	40	0.5	0.00	300	0.53	1180	0.5	0.24	49	630	34	2.5	16	39	0.70	5	5	94	10	106	31.55
88SJB7005	1.27	0.10	20	20	0.25	6	1.19	0.25	35	66	67	5.00	40	0.5	0.01	290	0.44	1335	0.5	0.32	32	560	28	2.5	18	49	0.81	5	5	79	5	100	

Lithological Analysis

Pebble lithologies of borehole till samples (2-5.6 mm fraction)

Notes:

1) ***DK f-grained*** refers to dark fine grained granules.

2) ***sstn*** refers to sandstone.

3) ***rd. qtz*** refers to highly rounded, frosted quartz grains.

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
87SJB0101	0.00	0.00	100.00	0.00	0.00	0.00	0.03
87SJB0102	12.71	2.95	80.48	2.21	1.47	0.00	5.43
87SJB0103	6.64	8.53	80.57	1.90	0.95	0.00	2.11
87SJB0104	5.97	2.74	91.04	0.00	0.00	0.00	8.04
87SJB0105	11.36	2.24	86.31	0.00	0.00	0.00	11.18
87SJB0106	6.84	2.12	90.09	0.00	0.71	0.00	4.24
87SJB0107	13.64	17.42	64.39	0.00	4.55	0.00	1.32
87SJB0108	6.36	7.50	85.23	0.00	1.14	0.00	4.40
87SJB0109	39.88	5.93	52.76	0.00	0.61	0.00	4.89
87SJB0110	32.55	8.59	58.07	0.00	0.52	0.00	3.84
87SJB0111	32.19	12.93	52.51	1.85	0.13	0.00	3.79
87SJB0112	28.70	10.49	59.57	0.62	0.00	0.00	3.24
87SJB0113	37.75	0.00	57.83	0.00	0.40	0.00	4.98
87SJB0115	83.18	6.01	10.72	0.00	0.10	0.00	31.45
87SJB0203	41.18	15.69	43.14	0.00	0.00	0.00	0.51
87SJB0204	22.09	12.21	66.28	0.00	0.00	0.00	1.72
87SJB0205	31.75	9.52	60.32	0.00	0.00	0.00	0.63
87SJB0206	36.09	12.57	50.99	0.00	0.18	0.00	5.57
87SJB0207	32.23	3.31	64.46	1.65	0.00	0.00	2.42
87SJB0208	35.76	10.34	53.73	0.00	0.00	0.00	5.90
87SJB0209	33.79	19.92	45.74	0.00	0.00	0.00	7.28
87SJB0210	9.76	9.76	80.49	0.00	0.00	0.00	0.41
87SJB0211	52.40	6.03	39.88	1.39	0.00	0.00	6.47
87SJB0212	55.14	15.27	29.00	0.00	0.59	0.00	13.62
87SJB0213	64.72	6.00	28.74	0.00	0.54	0.00	18.51
87SJB0214	63.83	12.83	22.87	0.00	0.47	0.01	21.51
87SJB0215	57.87	11.40	30.29	0.00	0.44	0.00	24.83
87SJB0216	57.02	10.67	31.92	0.00	0.40	0.01	25.22
87SJB0217	58.12	12.64	28.81	0.00	0.38	0.05	18.36
87SJB0301	10.17	5.08	83.05	1.69	0.00	0.00	1.18
87SJB0302	39.01	3.09	57.91	0.15	0.00	0.00	13.28
87SJB0304	26.00	6.51	67.08	0.00	0.42	0.00	33.35
87SJB0305	22.34	7.40	69.71	0.00	0.55	0.00	39.98
87SJB0306	49.82	4.67	45.21	0.00	0.24	0.06	16.90
87SJB0307	68.15	9.88	21.66	0.00	0.32	0.00	31.77
87SJB0308	57.69	16.62	25.34	0.00	0.35	0.00	39.78
87SJB0309	54.36	14.16	30.71	0.00	0.77	0.00	44.00
87SJB0310	50.16	17.08	31.95	0.00	0.81	0.00	37.00
87SJB0311	48.52	16.94	32.68	0.00	1.86	0.00	9.15
87SJB0312	56.51	14.57	28.12	0.00	0.80	0.00	18.81
87SJB0313	68.07	8.07	23.53	0.00	0.34	0.00	26.78
87SJB0315	63.85	12.33	23.22	0.00	0.60	0.00	23.43
87SJB0404	10.08	1.87	87.69	0.36	0.00	0.00	11.21
87SJB0405	18.13	2.73	78.27	0.00	0.88	0.00	10.26
87SJB0406	27.40	16.72	55.73	0.00	0.00	0.00	6.46
87SJB0407	53.88	9.65	35.84	0.00	0.63	0.00	12.64
87SJB0408	45.34	10.53	43.06	0.00	1.08	0.00	25.94
87SJB0409	47.76	9.07	43.06	0.00	0.11	0.00	9.15
87SJB0410	58.65	7.27	33.35	0.00	0.72	0.00	16.64
87SJB0411	81.25	0.00	18.75	0.00	0.00	0.00	0.16
87SJB0412	98.20	0.00	1.80	0.00	0.00	0.00	20.00
87SJB0504	60.47	0.00	37.21	0.00	0.00	0.00	0.43
87SJB0505	31.86	9.15	58.04	0.00	0.95	0.00	6.30

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
87SJB0506	38.41	6.98	53.49	0.00	1.11	0.01	3.17
87SJB0507	37.93	4.70	55.17	0.00	2.19	0.00	3.19
87SJB0508	16.23	7.33	67.02	0.00	9.42	0.00	1.91
87SJB0509	73.35	7.64	18.61	0.00	0.40	0.00	40.03
87SJB0510	63.22	10.59	24.85	0.00	1.35	0.00	24.47
87SJB0511	46.73	6.54	46.09	0.00	0.00	0.00	6.27
87SJB0601	11.22	1.74	86.35	0.61	0.00	0.00	11.50
87SJB0602	12.32	1.75	86.02	0.00	0.00	0.00	19.96
87SJB0603	13.87	1.35	84.46	0.43	0.00	0.00	18.53
87SJB0604	17.48	1.29	81.09	0.14	0.00	0.00	6.98
87SJB0605	14.81	7.30	77.69	0.20	0.00	0.00	4.93
87SJB0606	71.51	0.00	29.03	0.00	0.00	0.00	1.86
87SJB0609	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87SJB0612	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87SJB0614	0.00	100.00	0.00	0.00	0.00	0.00	0.01
87SJB0615	53.85	0.00	46.15	0.00	0.00	0.00	0.13
87SJB0616	36.34	12.07	51.32	0.00	0.00	0.00	7.21
87SJB0617	43.44	10.88	45.40	0.00	0.00	0.07	28.13
87SJB0618	50.37	10.34	39.18	0.07	0.04	0.00	27.36
87SJB0701	38.89	0.00	61.11	0.00	0.00	0.00	0.18
87SJB0801	13.78	11.11	74.67	0.44	0.00	0.00	4.50
87SJB0802	10.36	5.15	82.51	1.93	0.00	0.00	19.21
87SJB0803	14.10	0.64	85.58	0.00	0.00	0.00	3.12
87SJB0804	12.54	8.36	78.46	0.32	0.00	0.00	3.11
87SJB0805	18.27	2.54	80.20	0.00	0.00	0.00	1.97
87SJB0806	30.50	5.79	62.93	0.00	0.00	0.00	2.59
87SJB0807	36.54	13.46	50.00	0.00	0.00	0.00	1.56
87SJB0808	39.88	9.32	49.78	0.00	0.00	0.00	6.87
87SJB0809	39.34	18.03	41.39	0.00	0.00	0.00	1.22
87SJB0810	58.33	0.00	41.67	0.00	0.00	0.00	0.24
87SJB0811	59.12	5.68	34.50	0.00	0.68	0.03	38.23
87SJB0812	55.63	3.64	40.73	0.00	0.00	0.00	9.33
87SJB0813	47.92	11.52	38.36	0.00	2.21	0.00	8.16
87SJB0901	29.08	2.67	67.36	0.59	0.00	0.00	3.37
87SJB0902	49.29	5.48	45.24	0.00	0.00	0.00	4.20
87SJB0903	28.18	9.39	61.88	0.00	0.00	0.00	1.81
87SJB0904	50.00	4.76	45.24	0.00	0.00	0.00	0.42
87SJB0905	100.00	0.00	0.00	0.00	0.00	0.00	0.15
87SJB1001	22.16	6.91	70.31	0.52	0.00	0.00	9.70
87SJB1002	49.37	15.19	36.08	0.00	0.00	0.00	1.58
87SJB1003	76.03	0.00	22.60	0.00	0.00	0.00	1.46
87SJB1101	46.90	1.38	51.72	0.00	0.00	0.00	2.90
87SJB1102	48.70	4.09	42.38	0.00	0.00	0.00	2.69
87SJB1103	52.30	0.00	47.50	0.00	0.00	0.00	5.01
87SJB1104	41.10	2.74	54.79	0.00	0.00	0.00	0.73
87SJB1105	53.42	10.64	34.65	0.00	1.29	0.00	46.44
87SJB1106	48.19	9.60	41.57	0.00	0.65	0.00	40.01
87SJB1107	48.44	7.96	42.46	0.00	1.15	0.00	40.09
87SJB1108	36.09	7.89	55.08	0.00	0.95	0.00	13.69
87SJB1109	50.75	8.88	39.69	0.00	0.68	0.00	39.96
87SJB1110	43.82	12.74	42.52	0.00	0.93	0.00	32.43
87SJB1111	47.99	9.33	41.83	0.00	0.85	0.00	39.97
87SJB1112	54.52	8.49	36.05	0.00	0.94	0.00	25.44

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
87SJB1113	72.00	6.59	20.97	0.00	0.43	0.00	39.29
87SJB1114	57.69	10.74	30.43	0.00	1.13	0.00	12.29
87SJB1115	67.02	9.28	22.96	0.00	0.75	0.00	26.74
87SJB1116	67.49	5.33	26.34	0.00	0.84	0.00	33.37
87SJB1117	60.57	8.79	29.72	0.00	0.93	0.00	23.79
87SJB1118	56.18	9.95	31.90	0.00	1.97	0.00	24.42
87SJB1119	63.75	10.48	25.40	0.00	0.38	0.00	31.50
87SJB1120	71.01	7.85	20.73	0.00	0.41	0.01	29.18
87SJB1201	75.86	10.34	13.79	0.00	0.00	0.00	0.29
87SJB1206	42.36	8.93	47.00	0.44	1.27	0.00	11.43
87SJB1207	40.06	9.75	47.80	0.00	2.39	0.00	10.46
87SJB1208	44.05	14.28	40.87	0.00	0.79	0.00	2.52
87SJB1209	40.87	16.27	41.67	0.00	1.19	0.00	2.52
87SJB1211	43.34	6.90	48.29	0.00	2.47	0.00	21.87
87SJB1212	39.33	9.93	47.99	0.00	2.76	0.00	21.36
87SJB1213	48.26	7.02	43.13	0.00	1.59	0.00	29.65
87SJB1301	23.53	2.94	73.53	0.00	0.00	0.00	0.34
87SJB1302	37.97	6.33	55.70	0.00	0.00	0.00	0.79
87SJB1303	0.00	0.00	100.00	0.00	0.00	0.00	0.23
87SJB1304	38.66	11.40	48.94	0.00	1.00	0.00	35.00
87SJB1305	38.05	12.91	46.88	0.10	0.49	0.00	20.37
87SJB1306	44.91	11.61	42.16	0.00	1.24	0.00	26.52
87SJB1307	38.50	12.29	48.07	0.15	0.89	0.00	20.26
87SJB1308	42.79	10.06	43.26	0.00	3.43	0.00	38.19
87SJB1309	2.51	0.00	0.18	0.00	94.44	2.87	5.58
87SJB1310	66.98	8.49	15.79	0.00	8.74	0.00	11.78
87SJB1311	64.21	6.54	29.24	0.00	0.00	0.00	4.89
87SJB1312	45.18	14.29	36.43	0.00	4.11	0.00	5.60
87SJB1313	53.87	16.54	27.91	0.10	1.39	0.00	41.71
87SJB1314	56.42	14.85	26.18	0.00	2.45	0.00	22.42
87SJB1315	62.20	12.45	23.16	0.00	2.18	0.00	42.40
87SJB1316	64.49	12.13	21.42	0.00	1.89	0.00	43.93
87SJB1317	55.36	15.73	25.62	0.00	3.30	0.00	26.39
87SJB1318	59.23	7.03	32.58	0.00	0.79	0.00	38.54
87SJB1319	51.64	10.82	36.38	0.02	1.13	0.00	24.76
87SJB1320	64.73	8.85	24.14	0.00	2.27	0.00	26.88
87SJB1321	63.28	11.47	23.68	0.61	0.86	0.00	28.08
87SJB1401	29.41	14.38	55.56	0.00	0.00	0.00	1.53
87SJB1402	53.20	2.46	43.84	0.00	0.00	0.00	2.03
87SJB1403	45.61	8.32	45.95	0.00	0.23	0.00	8.77
87SJB1404	29.51	26.23	42.62	0.00	0.00	0.00	0.61
87SJB1501	42.66	5.17	52.09	0.00	0.00	0.00	14.11
87SJB1502	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87SJB1503	0.00	0.00	0.00	0.00	0.00	0.00	0.00
87SJB1504	0.00	0.00	100.00	0.00	0.00	0.00	0.03
87SJB1604	38.94	10.79	50.00	0.00	0.00	0.37	10.94
87SJB1605	37.50	17.86	44.64	0.00	0.00	0.00	1.68
87SJB1606	16.07	7.44	75.00	0.00	0.00	0.00	1.68
87SJB1607	21.50	19.22	59.61	0.00	0.00	0.00	3.07
87SJB1608	42.69	7.38	48.87	0.00	1.11	0.00	22.61
87SJB1609	39.78	4.57	54.43	0.00	1.21	0.00	7.44
87SJB1610	39.96	2.37	56.55	0.00	1.13	0.00	8.86
87SJB1611	33.57	3.90	61.41	0.00	1.13	0.00	19.51

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
87SJB1612	34.80	11.32	52.85	0.00	0.91	0.13	15.46
87SJB1613	37.08	5.54	56.13	0.00	1.26	0.00	13.54
87SJB1614	35.47	4.96	56.79	0.00	2.34	0.44	6.85
87SJB1615	77.01	7.58	14.07	0.00	1.34	0.00	19.40
87SJB1701	41.81	17.59	39.88	0.00	0.00	0.00	8.30
87SJB1702	60.44	12.09	24.73	2.20	0.00	0.00	1.82
87SJB1703	37.80	10.43	47.30	3.72	0.00	0.00	5.37
87SJB1704	58.33	0.00	41.67	0.00	0.00	0.00	0.06
87SJB1801	23.60	14.00	62.13	0.00	0.00	0.00	7.50
87SJB1802	20.68	17.71	60.34	1.19	0.00	0.00	13.44
87SJB1803	47.19	9.09	42.42	0.00	0.00	0.00	2.31
87SJB1804	0.00	0.00	100.00	0.00	0.00	0.00	0.01
87SJB1811	66.58	7.20	25.75	0.00	0.35	0.00	37.52
87SJB1812	62.03	7.07	30.21	0.00	0.68	0.00	36.77
87SJB1813	64.37	5.58	29.37	0.00	0.69	0.00	36.37
87SJB1814	62.87	16.04	20.14	0.00	0.96	0.00	28.06
87SJB1815	64.84	15.81	18.54	0.00	0.81	0.00	28.21
87SJB1816	62.97	13.60	22.88	0.00	0.55	0.00	27.14
87SJB1817	61.79	14.05	22.03	0.00	2.13	0.00	30.96
87SJB1901	62.94	13.99	23.08	0.00	0.00	0.00	1.43
87SJB1902	53.74	16.89	29.17	0.00	0.00	0.00	5.21
87SJB1903	73.02	7.35	19.09	0.00	0.51	0.00	27.35
87SJB1906	84.97	5.45	9.07	0.00	0.51	0.00	27.35
87SJB1907	80.51	3.98	14.97	0.00	0.53	0.00	39.94
87SJB1908	83.82	2.73	13.01	0.00	0.44	0.00	36.58
87SJB1909	87.05	0.67	12.25	0.00	0.03	0.00	15.02
87SJB1910	71.51	4.61	23.04	0.00	0.85	0.00	10.64
87SJB1911	47.36	9.86	41.26	0.00	1.52	0.00	9.84
87SJB1912	42.35	9.43	46.97	0.00	1.25	0.00	5.62
87SJB1913	50.71	11.99	35.82	0.00	1.48	0.00	18.26
87SJB1914	46.24	10.19	41.69	0.07	1.81	0.00	13.84
87SJB1915	40.14	4.23	54.93	0.00	0.00	0.00	0.71
87SJB1917	67.27	11.51	21.11	0.00	0.00	0.00	8.86
87SJB1918	64.81	7.86	26.20	0.00	1.13	0.00	26.60
87SJB1919	98.18	1.82	0.00	0.00	0.00	0.00	10.46
87SJB1920	100.00	0.00	0.00	0.00	0.00	0.00	0.10
87SJB2001	18.56	6.19	76.29	0.00	0.00	0.00	0.97
87SJB2002	36.38	15.31	47.89	0.72	0.00	0.00	9.73
87SJB2003	51.77	24.11	21.28	2.13	0.00	0.00	1.41
87SJB2004	44.44	0.00	55.56	0.00	0.00	0.00	0.18
87SJB2005	76.06	6.28	17.04	0.00	0.62	0.00	37.26
87SJB2006	71.71	7.59	20.68	0.00	0.01	0.00	38.58
87SJB2008	68.32	4.72	26.44	0.00	0.52	0.00	13.35
87SJB2009	80.98	4.15	14.09	0.00	0.78	0.00	39.96
87SJB2102	44.96	6.83	48.20	0.00	0.00	0.00	2.78
87SJB2104	100.00	0.00	0.00	0.00	0.00	0.00	0.98
87SJB2112	72.09	17.41	10.24	0.00	0.13	0.00	7.81
87SJB2113	82.08	15.09	1.89	0.00	0.00	0.00	1.06
87SJB2114	58.27	11.46	29.11	0.00	1.17	0.00	19.72
87SJB2115	58.28	7.65	30.83	0.00	3.24	0.00	13.59
87SJB2116	40.42	11.42	46.75	0.00	1.41	0.00	22.76
87SJB2117	38.30	12.84	44.88	0.00	3.99	0.00	9.27
87SJB2118	39.87	13.40	44.91	0.00	1.82	0.01	9.33

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
87SJB2201	66.67	3.92	29.41	0.00	0.00	0.00	0.51
87SJB2202	45.61	0.00	54.39	0.00	0.00	0.00	0.57
87SJB2211	64.09	5.97	29.44	0.00	0.31	0.00	22.28
87SJB2212	57.23	5.82	36.95	0.00	0.00	0.00	18.73
87SJB2213	60.23	7.10	31.42	0.00	1.25	0.00	9.58
87SJB2214	61.67	5.40	32.49	0.00	0.44	0.00	18.16
87SJB2215	67.34	6.65	26.00	0.00	0.00	0.00	23.15
87SJB2301	58.04	3.53	38.43	0.00	0.00	0.00	2.55
87SJB2302	34.69	12.24	53.06	0.00	0.00	0.00	0.49
87SJB2303	66.42	6.72	25.37	2.24	0.00	0.00	1.34
87SJB2304	47.06	0.00	52.94	0.00	0.00	0.00	0.51
87SJB2305	88.71	0.00	11.29	0.00	0.00	0.00	0.31
87SJB2307	100.00	0.00	0.00	0.00	0.00	0.00	0.01
87SJB2401	22.19	12.97	63.84	0.25	0.00	0.00	4.01
87SJB2402	50.71	5.00	45.00	0.00	0.00	0.00	1.40
87SJB2501	46.31	7.39	44.83	1.48	0.00	0.00	2.03
87SJB2502	77.78	0.00	22.22	0.00	0.00	0.00	0.09
87SJB2503	100.00	0.00	0.00	0.00	0.00	0.00	0.10
87SJB2504	80.86	5.81	12.76	0.00	0.57	0.00	36.83
87SJB2505	88.41	3.18	8.08	0.00	0.33	0.00	35.88
87SJB2506	82.04	5.64	11.90	0.00	0.42	0.00	28.56
87SJB2507	84.99	0.94	13.30	0.00	0.77	0.00	35.18
87SJB2508	82.47	2.29	14.91	0.00	0.33	0.00	20.99
87SJB2509	78.18	1.40	19.94	0.00	0.49	0.00	37.11
87SJB2510	80.78	2.40	15.42	0.00	1.40	0.00	9.99
87SJB2511	77.75	4.93	17.32	0.00	0.00	0.00	7.91
87SJB2512	67.32	8.20	24.48	0.00	0.89	0.00	20.31
87SJB2513	92.32	1.41	6.20	0.00	0.07	0.00	40.48
87SJB2601	29.07	0.00	71.05	0.00	0.00	0.00	0.38
87SJB2602	40.79	7.72	50.12	0.00	1.35	0.00	21.11
87SJB2603	40.38	9.56	48.79	0.00	1.21	0.00	16.52
87SJB2604	44.68	11.55	41.84	0.00	1.92	0.00	9.87
87SJB2605	38.24	8.93	51.17	0.12	1.51	0.00	16.24
87SJB2606	40.97	5.71	52.29	0.00	0.88	0.00	32.93
87SJB2607	53.55	7.11	37.71	0.00	1.63	0.00	18.43
87SJB2608	74.54	7.20	17.87	0.00	0.38	0.00	10.41
87SJB2609	75.89	4.40	19.57	0.28	0.00	0.00	7.05
87SJB2610	66.87	7.98	20.55	0.00	4.60	0.00	3.26
87SJB2611	72.73	5.84	20.94	0.00	0.49	0.00	6.16
87SJB2612	72.43	8.52	17.74	0.00	1.19	0.00	34.38
87SJB2613	65.77	10.65	21.44	0.00	2.14	0.00	28.54
87SJB2614	69.16	7.41	21.82	0.00	1.57	0.00	21.73
87SJB2615	73.25	5.05	20.55	0.00	1.15	0.00	13.87
88SJB2702A	49.08	11.48	32.65	0.45	0.00	0.05	18.77
88SJB2702B	57.93	8.18	33.95	0.00	0.20	0.00	20.11
88SJB2703	50.17	6.19	42.64	0.00	0.55	0.00	19.94
88SJB2704	46.66	5.18	46.31	0.00	2.04	0.05	20.13
88SJB2705	44.60	7.85	45.25	0.00	2.45	0.00	20.03
88SJB2706	48.61	4.13	47.89	0.00	0.00	0.00	11.22
88SJB2707	47.00	6.81	43.54	0.00	0.45	0.45	19.63
88SJB2708	48.48	2.90	47.13	0.00	0.65	0.00	19.84
88SJB2709	45.28	3.95	49.58	0.00	1.25	0.00	20.02
88SJB2710	44.84	4.60	50.15	0.00	1.05	0.10	20.13

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB2711	48.00	7.21	43.19	0.00	0.80	0.10	19.84
88SJB2712	51.08	4.10	43.42	0.00	1.55	0.15	20.05
88SJB2713	50.40	4.15	45.50	0.00	0.00	0.00	20.03
88SJB2714	43.88	4.30	49.53	0.00	1.55	0.00	19.86
88SJB2715	44.12	7.60	47.62	0.00	1.20	0.15	20.13
88SJB2716	45.92	7.61	45.72	0.00	0.85	0.00	19.99
88SJB2717	48.75	3.95	45.60	0.00	2.00	0.00	20.04
88SJB2718	37.33	13.58	48.17	0.15	0.54	0.00	25.87
88SJB2719	46.02	9.05	44.43	0.00	0.00	0.00	20.11
88SJB2720	35.30	15.73	46.66	0.00	2.85	0.20	20.49
88SJB2812	36.68	8.66	48.73	2.64	2.34	0.00	19.90
88SJB2813	45.80	6.41	46.05	1.54	1.44	0.05	20.39
88SJB2816	51.30	8.80	33.85	0.05	4.00	0.00	19.60
88SJB2817	68.30	0.75	24.91	0.00	5.66	0.00	2.64
88SJB2818	56.58	6.45	32.77	0.00	3.46	0.00	14.63
88SJB2819	58.34	4.68	37.21	0.00	0.00	0.00	8.35
88SJB2820	59.07	2.15	36.67	0.00	1.30	0.00	19.80
88SJB2823	47.26	6.84	41.47	0.00	2.50	0.00	19.65
88SJB2833	65.26	13.39	18.76	0.00	0.00	0.00	19.21
88SJB2835A	74.25	5.12	21.02	0.00	0.00	0.00	20.20
88SJB2835B	71.79	7.55	19.96	0.00	1.00	0.00	20.05
88SJB2836A	72.09	9.34	16.38	0.00	0.90	0.00	19.77
88SJB2836B	71.41	6.62	19.86	0.00	1.81	0.00	19.88
88SJB2904	30.75	20.87	48.59	0.00	0.00	0.00	19.88
88SJB2905	32.88	22.16	44.81	0.25	0.00	0.00	20.06
88SJB2906	33.76	17.54	48.11	0.00	0.54	0.00	20.40
88SJB2907	29.71	14.83	54.74	0.00	0.48	0.00	20.92
88SJB2908	37.46	8.56	54.03	0.00	0.00	0.30	20.04
88SJB3001	43.90	7.89	49.55	1.79	0.00	0.15	6.94
88SJB3009	38.64	11.73	48.93	1.10	0.00	0.20	20.15
88SJB3010	36.45	6.87	56.27	0.05	0.35	0.00	20.08
88SJB3011	43.22	7.75	49.03	0.00	0.71	0.41	9.92
88SJB3012	70.05	2.90	25.50	0.25	2.30	0.00	20.20
88SJB3101	31.43	8.53	56.70	0.97	0.86	0.11	9.13
88SJB3102	35.28	3.37	62.27	0.00	0.31	0.15	6.61
88SJB3103	32.36	17.57	52.31	0.00	0.00	0.00	7.74
88SJB3301	17.07	3.70	70.23	0.07	4.37	0.00	14.20
88SJB3401	14.62	6.44	75.55	1.65	2.05	0.00	20.10
88SJB3402	15.42	9.23	75.06	0.00	1.06	0.05	20.86
88SJB3411	67.70	7.52	24.79	0.00	0.25	0.05	20.15
88SJB3412	41.63	8.59	46.80	0.00	2.58	0.00	20.05
88SJB3415	42.20	5.98	51.11	0.12	0.59	0.00	17.06
88SJB3416	43.57	9.05	43.47	0.05	3.15	0.10	19.87
88SJB3417	41.93	10.31	43.59	0.05	4.17	0.00	19.90
88SJB3418	39.28	14.56	40.18	0.00	5.98	0.00	20.06
88SJB3423	39.15	13.36	45.95	0.00	0.84	0.00	19.99
88SJB3426	91.15	0.05	8.80	0.00	0.15	0.00	20.03
88SJB3514	47.98	7.95	42.23	0.00	2.80	0.00	20.20
88SJB3515	51.45	13.52	31.19	0.00	4.39	0.00	20.15
88SJB3602	10.77	3.09	83.45	0.90	0.40	0.00	19.78
88SJB3603	12.75	4.13	81.30	0.00	0.49	0.00	14.09
88SJB3606	44.68	6.60	45.98	0.00	1.85	0.00	19.83
88SJB3607	40.39	6.04	46.13	0.00	7.34	0.00	20.01

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB3608	51.75	6.45	39.80	0.00	1.65	0.00	19.93
88SJB3609	41.64	3.64	50.97	0.05	2.70	0.00	19.83
88SJB3610	35.73	9.43	53.19	0.10	1.35	0.00	20.00
88SJB3611	31.32	6.69	59.19	0.10	0.00	0.25	19.53
88SJB3612	35.35	8.49	54.77	0.00	0.15	0.15	19.81
88SJB3701	18.54	5.36	75.00	0.00	0.45	0.00	19.83
88SJB3703	23.46	4.08	73.56	0.00	1.49	0.10	10.33
88SJB3706	38.51	5.96	51.43	0.00	2.85	0.00	19.72
88SJB3708	32.68	4.00	60.72	0.15	0.45	0.10	19.63
88SJB3709	41.31	5.17	49.91	0.06	2.74	0.00	15.92
88SJB3710	34.17	6.84	52.55	0.00	2.05	0.00	19.14
88SJB3711	36.24	3.80	54.15	0.00	0.40	0.00	18.90
88SJB3712	34.72	6.66	57.01	0.00	1.15	0.00	19.87
88SJB3713	18.74	2.59	78.32	0.05	0.50	0.00	20.10
88SJB3714	32.37	7.15	59.53	0.05	0.95	0.00	20.00
88SJB3715	36.43	8.78	51.60	0.00	0.20	0.00	19.44
88SJB3716	39.41	3.86	57.14	0.00	0.05	0.00	20.06
88SJB3717	43.92	4.85	51.08	0.00	0.00	0.00	19.96
88SJB3718	48.75	6.89	44.11	0.00	0.00	0.35	20.06
88SJB3801	21.71	5.61	72.97	0.00	0.00	0.00	13.58
88SJB3807	47.20	8.56	41.19	0.00	0.00	0.00	19.37
88SJB3808	40.78	5.65	48.83	0.00	4.85	0.17	17.56
88SJB3809	30.78	7.66	59.21	0.00	2.20	0.00	19.95
88SJB3810	37.21	6.38	55.86	0.00	0.85	0.00	20.11
88SJB3811	30.79	5.94	60.03	0.20	2.69	0.00	19.97
88SJB3812	22.80	1.95	69.31	0.00	2.89	0.00	19.43
88SJB3813	46.13	4.65	47.78	0.00	0.20	0.00	19.76
88SJB3814	49.60	4.19	44.71	0.00	0.00	0.00	19.74
88SJB3901	5.71	2.51	87.17	0.50	1.10	0.00	19.36
88SJB3902	80.80	2.80	11.00	0.40	0.70	0.00	19.14
88SJB3903	16.38	4.05	78.57	0.95	0.00	0.00	20.01
88SJB3904	9.47	2.84	81.12	0.05	0.00	0.00	18.76
88SJB3905	11.27	2.99	81.21	0.35	0.00	0.00	19.22
88SJB3907	43.68	14.39	41.23	0.00	0.85	0.00	20.04
88SJB3908	38.89	14.04	46.91	0.00	0.00	0.00	20.05
88SJB3909	43.84	14.45	40.71	0.05	0.60	0.00	20.07
88SJB3910	40.28	5.06	51.05	0.00	4.06	0.00	20.05
88SJB3911	43.05	4.90	45.80	0.00	6.75	0.15	20.13
88SJB3912	50.90	3.45	40.59	0.00	5.21	0.40	20.09
88SJB3913	40.27	4.24	49.95	0.10	6.04	0.00	20.16
88SJB3914	48.77	3.60	43.07	0.75	4.35	0.30	20.16
88SJB3915	39.08	3.20	51.67	0.00	5.70	0.00	19.94
88SJB3916	34.58	4.59	57.49	0.00	2.25	0.00	19.82
88SJB3917	49.13	3.45	42.13	0.85	5.00	0.20	20.16
88SJB3918	34.96	5.39	58.20	0.00	1.45	0.35	20.12
88SJB3919	29.76	5.99	61.86	0.40	1.20	0.00	19.87
88SJB3920	33.94	4.82	58.67	0.00	2.69	0.13	16.01
88SJB3921	39.89	4.24	51.32	0.00	1.50	0.00	19.42
88SJB3922	40.74	5.63	49.85	0.00	1.62	0.06	16.34
88SJB3923	42.06	5.32	50.18	0.00	2.75	0.00	17.17
88SJB3924	38.46	3.30	56.69	0.00	2.05	0.00	20.12
88SJB4001	13.71	5.41	80.33	0.90	0.45	0.00	20.14
88SJB4003	12.39	3.24	79.04	0.50	0.00	0.00	19.12

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB4004	16.06	4.92	76.40	1.25	0.00	0.00	15.84
88SJB4006	19.16	2.14	74.07	0.00	1.22	0.00	16.69
88SJB4007	28.34	11.79	55.82	0.00	2.25	0.00	19.65
88SJB4008	33.68	10.41	52.42	0.10	1.84	0.00	19.76
88SJB4009	40.61	10.89	41.41	0.00	4.50	0.00	19.50
88SJB4010	38.91	14.07	40.41	0.00	1.05	0.00	18.86
88SJB4011	24.24	14.27	55.73	0.00	1.40	0.15	19.13
88SJB4012	30.51	13.23	54.66	0.40	1.00	0.15	19.95
88SJB4013	16.17	11.36	70.32	0.45	0.00	0.20	19.68
88SJB4014	34.64	6.02	57.39	0.00	1.69	0.10	20.06
88SJB4015	26.03	10.15	64.17	0.00	0.00	0.00	17.00
88SJB4016	30.62	4.80	61.13	0.35	2.55	0.00	19.88
88SJB4017	39.99	5.51	48.80	0.00	0.00	0.00	18.84
88SJB4018	56.66	3.16	32.77	0.00	4.76	0.10	19.45
88SJB4019	65.49	2.29	29.23	0.00	3.24	0.00	20.10
88SJB4020	40.21	5.59	49.35	0.00	3.55	0.00	19.76
88SJB4021	44.18	6.05	43.68	0.10	5.95	0.00	20.00
88SJB4022	44.92	5.86	43.26	0.00	5.11	0.00	19.80
88SJB4023	38.65	6.20	52.20	0.00	3.80	0.10	20.19
88SJB4101	11.88	2.84	84.93	0.45	0.40	0.00	20.14
88SJB4102	13.21	3.10	81.03	0.25	0.00	0.00	19.50
88SJB4103	11.14	4.35	82.17	0.80	0.45	0.10	19.82
88SJB4105	10.41	2.25	84.69	0.80	0.00	0.00	19.62
88SJB4106	13.33	1.55	83.92	0.25	0.55	0.00	19.88
88SJB4107	14.86	2.95	81.48	0.10	0.35	0.05	19.94
88SJB4108	41.71	6.14	46.85	0.05	5.29	0.00	20.03
88SJB4109	40.37	6.10	50.23	0.00	3.15	0.10	19.98
88SJB4110	38.22	6.74	51.35	0.80	2.40	0.00	19.94
88SJB4111	42.54	7.41	45.64	0.10	3.61	0.00	19.82
88SJB4112	44.45	4.93	46.89	0.00	3.93	0.05	20.14
88SJB4113	41.76	6.09	48.45	0.00	3.45	0.00	19.97
88SJB4114	42.28	6.71	48.32	0.00	4.03	0.00	1.51
88SJB4115	34.53	3.35	59.01	0.00	1.85	0.00	19.73
88SJB4116	0.85	0.90	98.74	0.00	0.00	0.00	20.02
88SJB4302	77.47	6.34	16.03	0.00	0.00	0.00	19.99
88SJB4305	77.41	14.01	8.78	0.00	0.00	0.00	20.09
88SJB4306	84.23	5.81	9.81	0.00	0.00	0.00	19.95
88SJB4307	83.48	5.61	11.32	0.00	0.00	0.00	20.05
88SJB4308	78.47	8.29	12.24	0.00	0.00	0.00	19.82
88SJB4309	71.48	6.29	22.38	0.00	0.20	0.05	20.10
88SJB4310	24.90	14.64	58.76	0.00	0.20	0.05	19.79
88SJB4311	39.23	16.87	43.42	0.00	0.10	0.00	20.67
88SJB4312	49.16	21.70	29.48	0.00	0.15	0.00	20.42
88SJB4313	50.82	15.98	32.60	0.00	0.20	0.00	20.01
88SJB4314	38.01	17.08	44.56	0.00	1.00	0.00	20.15
88SJB4315	40.95	23.64	35.26	0.00	1.03	0.00	20.57
88SJB4317	74.60	12.97	12.77	0.00	0.10	0.00	20.13
88SJB4401	44.87	8.01	47.76	0.00	0.00	0.00	6.28
88SJB4402	51.67	13.33	46.67	0.56	0.56	0.00	2.03
88SJB4404	68.78	15.51	14.21	0.00	1.45	0.05	20.05
88SJB4406	71.82	9.33	18.85	0.00	0.15	0.00	20.08
88SJB4405	90.25	7.95	2.30	0.00	0.00	0.00	20.10
88SJB4502	63.05	15.53	19.89	0.00	1.88	0.05	20.24

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB4503	62.00	15.53	21.48	0.00	1.44	0.00	20.25
88SJB4511	70.22	12.57	15.96	0.00	1.10	0.00	20.02
88SJB4509	63.95	10.79	22.58	0.00	0.90	0.00	19.75
88SJB4603	70.40	9.77	20.18	0.00	0.00	0.00	20.24
88SJB4604	70.39	12.10	15.07	0.00	1.22	0.00	20.25
88SJB4610	70.97	9.89	19.78	0.00	0.00	0.05	20.36
88SJB4611	64.63	10.95	23.33	1.38	0.59	0.00	20.45
88SJB4703	73.63	8.84	17.43	0.05	0.10	0.00	20.26
88SJB4704	68.87	11.24	17.59	0.05	0.10	0.05	19.59
88SJB4705	77.21	7.00	16.33	0.00	0.12	0.06	16.84
88SJB4706	65.00	13.22	21.79	0.00	0.00	0.00	16.57
88SJB4707	65.40	11.57	23.18	0.00	0.88	0.00	20.70
88SJB4708	68.38	8.53	22.99	0.00	0.37	0.00	18.93
88SJB4713	81.43	4.38	12.64	0.00	0.00	0.00	19.78
88SJB4709	64.41	17.57	18.12	0.05	0.42	0.00	21.64
88SJB4710	55.05	18.47	26.48	0.00	0.68	0.10	19.26
88SJB4711	63.64	11.09	23.38	0.00	0.50	0.05	19.75
88SJB4712	68.20	7.70	23.60	0.00	0.97	0.00	21.67
88SJB4803	59.24	11.16	26.70	0.00	1.87	0.05	20.14
88SJB4805	65.33	7.74	26.22	0.00	0.10	0.00	19.90
88SJB4804	67.06	11.76	19.00	0.00	1.40	0.00	12.74
88SJB4905	66.48	6.79	25.72	0.05	1.35	0.00	20.10
88SJB4906	58.33	4.74	31.45	0.00	2.61	0.08	11.90
88SJB4907	60.56	8.96	25.49	0.16	1.40	0.00	12.39
88SJB4909	60.11	4.95	31.43	0.00	1.35	0.00	19.55
88SJB5001	58.03	13.37	27.59	0.00	0.60	0.00	19.96
88SJB5002	63.74	10.38	25.64	0.00	0.89	0.05	20.38
88SJB5003	58.78	15.73	25.22	0.00	0.75	0.00	18.65
88SJB5004	55.34	11.94	29.92	0.00	0.00	0.00	19.46
88SJB5005	71.51	8.89	18.06	0.97	0.00	0.00	17.45
88SJB5006	62.43	15.99	20.43	0.00	0.85	0.00	20.01
88SJB5008	59.79	15.12	19.19	0.00	0.68	0.00	9.78
88SJB5009	100.00	0.00	0.00	0.00	0.00	0.00	19.97
88SJB5107	64.65	8.25	26.55	0.00	0.65	0.00	20.02
88SJB5109	62.15	13.10	22.06	0.00	0.15	0.05	19.58
88SJB5111	69.31	9.31	17.29	0.00	0.79	0.00	19.63
88SJB5113	59.06	11.97	25.07	0.00	1.58	0.00	19.83
88SJB5211	55.46	11.91	31.09	0.05	1.49	0.00	20.07
88SJB5207	57.63	16.34	25.87	0.05	0.64	0.00	20.29
88SJB5208	66.52	15.17	18.16	0.00	0.10	0.00	20.03
88SJB5209	63.79	14.18	22.54	0.00	0.10	0.05	19.74
88SJB5210	55.96	13.05	28.37	0.00	2.46	0.00	20.27
88SJB5212	58.69	16.75	22.64	0.00	1.59	0.10	20.67
88SJB5213	50.52	21.12	32.30	0.00	2.48	0.00	5.14
88SJB5214	55.91	17.74	25.19	0.00	1.93	0.13	7.85
88SJB5215	62.52	10.18	27.43	0.00	0.71	0.06	15.56
88SJB5217	69.05	14.50	14.45	0.00	0.55	0.00	19.71
88SJB5309	64.14	8.14	26.77	0.15	0.95	0.00	20.05
88SJB5310	64.75	7.96	25.74	0.00	0.90	0.10	19.86
88SJB5311	69.55	7.28	21.78	0.00	0.72	0.05	19.39
88SJB5312	66.03	5.75	23.36	0.20	0.65	0.25	19.24
88SJB5313	67.07	6.10	22.26	0.16	1.42	0.00	17.82
88SJB5315	75.41	4.46	19.77	0.00	0.68	0.00	19.13

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB5316	78.81	1.75	19.59	0.00	0.00	0.00	19.99
88SJB5317A	99.75	0.00	0.20	0.00	0.00	0.00	20.05
88SJB5317B	99.95	0.00	0.10	0.00	0.00	0.00	19.96
88SJB5319A	98.10	0.00	1.30	1.15	0.00	0.05	20.14
88SJB5319B	97.75	0.05	2.20	0.00	0.00	0.00	19.99
88SJB5319C	97.30	0.15	2.80	0.00	0.00	0.00	20.02
88SJB5403	47.42	7.37	39.70	0.05	0.80	0.05	19.03
88SJB5404	67.85	13.19	19.02	0.05	0.11	0.05	18.40
88SJB5405	52.11	15.90	28.43	0.00	0.15	0.00	19.50
88SJB5406	65.86	8.02	25.88	0.00	0.05	0.05	20.18
88SJB5407	68.65	13.46	17.41	0.05	0.10	0.00	20.44
88SJB5408	70.95	8.23	20.97	0.00	0.10	0.05	20.23
88SJB5409	54.39	9.07	25.38	0.00	1.24	0.05	18.18
88SJB5410	66.95	9.39	22.22	0.00	0.60	0.00	19.95
88SJB5411	75.65	6.34	17.63	0.06	0.00	0.17	18.12
88SJB5413	71.01	8.77	20.32	0.10	0.00	0.34	20.53
88SJB5415	89.61	1.63	8.91	0.00	0.05	0.00	20.25
88SJB5507	55.84	12.64	29.77	0.10	0.70	0.00	19.83
88SJB5508	61.19	6.99	31.87	0.00	0.70	0.00	20.17
88SJB5509	60.02	16.59	24.19	0.00	0.00	0.00	20.17
88SJB5605	63.85	10.35	26.45	0.00	0.10	0.05	20.16
88SJB5606	57.65	12.85	26.90	0.05	3.45	0.00	20.18
88SJB5607	80.85	3.29	15.71	0.00	0.10	0.00	20.36
88SJB5706	66.07	8.15	25.53	0.00	0.10	0.00	20.22
88SJB5707	62.75	10.51	25.85	0.00	1.29	0.00	20.16
88SJB5708	45.35	9.61	43.84	0.00	0.60	0.00	3.31
88SJB5709	68.69	9.62	20.59	0.00	0.40	0.00	19.92
88SJB5710	72.27	10.29	16.20	0.05	0.35	0.05	19.96
88SJB5711	65.37	12.57	20.96	0.00	0.50	0.00	19.92
88SJB5712	70.10	9.18	19.02	0.00	0.50	0.05	19.70
88SJB5713	63.59	15.13	20.73	0.00	0.60	0.00	20.03
88SJB5714	57.39	14.72	27.59	0.10	0.15	0.00	20.03
88SJB5716	68.52	7.97	23.51	0.00	0.15	0.00	20.36
88SJB5807	69.43	11.04	20.46	0.00	0.05	0.00	20.68
88SJB5808	71.82	8.56	20.92	0.00	0.00	0.00	20.82
88SJB5809	58.64	15.18	25.47	0.10	0.80	0.00	20.06
88SJB5810	73.88	10.50	16.47	0.00	0.00	0.00	20.27
88SJB5811	63.61	16.77	18.97	0.00	0.50	0.05	19.96
88SJB5812	65.07	11.74	23.04	0.00	0.20	0.05	20.03
88SJB5814	89.84	3.78	6.92	0.00	0.10	0.00	20.21
88SJB5904	74.79	6.50	17.91	0.00	0.85	0.20	20.04
88SJB5903	67.88	4.40	26.77	0.55	0.70	0.20	20.12
88SJB5905A	69.44	8.77	22.14	0.00	0.00	0.00	20.03
88SJB5905B	62.00	9.50	28.30	0.55	0.00	0.00	20.07
88SJB5906A	69.37	11.81	18.82	0.00	0.00	0.00	19.98
88SJB5906B	74.86	6.71	14.92	0.00	0.00	0.00	19.27
88SJB5907	79.70	9.35	11.30	0.00	0.00	0.00	20.07
88SJB6101	57.13	12.43	29.26	0.05	1.24	0.00	20.22
88SJB6102	52.81	14.15	30.75	0.00	0.62	0.00	18.90
88SJB6103	61.91	12.53	24.75	0.43	0.00	0.00	16.06
88SJB6104	60.05	13.60	23.89	0.00	3.19	0.12	16.76
88SJB6105	57.21	15.90	26.04	0.94	0.00	0.00	20.14
88SJB6106	55.21	16.72	27.19	0.10	1.43	0.00	20.47

Lithological Analysis — Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB6114	41.13	21.16	36.96	0.00	0.45	0.00	6.69
88SJB6115	45.66	4.96	46.69	0.62	2.27	0.00	4.85
88SJB6116	47.20	15.22	36.66	0.00	0.82	0.00	10.90
88SJB6119	61.83	12.06	20.68	2.43	2.74	0.00	19.68
88SJB6120	46.31	6.78	47.31	0.15	0.10	0.00	20.19
88SJB6121	48.32	12.15	37.80	1.09	1.14	9.78	20.35
88SJB6122	46.53	14.18	39.19	0.00	0.10	0.00	20.03
88SJB6123	49.33	9.84	39.64	0.15	0.85	0.00	19.99
88SJB6124	39.45	12.05	47.15	0.15	0.15	0.00	19.79
88SJB6125	33.62	7.65	55.78	0.09	1.56	0.00	11.36
88SJB6126	21.05	13.05	64.16	0.00	1.86	0.00	16.65
88SJB6201	58.85	10.50	29.90	0.00	1.05	0.00	20.06
88SJB6202	51.83	11.91	36.07	0.00	0.30	0.00	20.01
88SJB6203	56.09	13.72	28.44	0.00	2.20	0.10	20.15
88SJB6204	59.25	11.60	28.60	0.10	0.35	0.10	20.00
88SJB6205	60.43	11.16	28.46	0.00	0.00	0.20	20.04
88SJB6206	53.92	16.54	29.49	0.00	0.00	0.30	20.06
88SJB6207	60.59	10.34	29.17	0.00	0.00	0.15	20.07
88SJB6208	64.84	5.35	28.87	0.00	0.76	0.18	17.01
88SJB6209	60.27	12.66	25.52	0.00	1.50	0.15	20.08
88SJB6210	60.95	14.85	23.95	0.10	0.40	0.15	20.08
88SJB6211	59.90	11.45	28.50	0.00	0.50	0.30	20.13
88SJB6212	56.47	14.13	28.96	0.00	0.65	0.00	20.07
88SJB6214	39.36	7.67	53.01	0.00	0.00	0.05	20.09
88SJB6215	34.50	2.69	61.60	0.11	0.38	0.00	18.10
88SJB6216	30.39	7.70	56.54	0.00	1.36	0.00	11.97
88SJB6305	53.29	10.93	35.03	0.10	0.50	0.10	20.03
88SJB6308	99.60	0.00	0.20	0.00	0.00	0.00	20.02
88SJB6402	42.43	16.09	42.94	0.10	0.15	0.05	20.24
88SJB6403	44.58	19.40	35.00	0.00	0.49	0.05	20.47
88SJB6404	90.48	1.43	8.10	0.00	0.00	0.00	6.30
88SJB6506	84.58	6.81	9.01	0.00	0.00	0.00	20.06
88SJB6507	99.00	0.75	0.50	0.00	0.00	0.00	20.04
88SJB6701	58.89	15.47	26.03	0.00	0.00	0.00	20.44
88SJB6702	71.79	11.55	16.27	0.40	0.05	0.00	19.93
88SJB6703	67.81	9.18	22.17	0.00	0.40	0.00	20.07
88SJB6704	70.29	9.95	19.51	0.00	0.00	0.00	19.84
88SJB6705	66.32	11.54	18.26	0.00	0.05	0.00	19.33
88SJB6706	57.34	9.92	28.82	0.05	0.05	0.00	19.39
88SJB6706	62.91	13.50	23.60	0.00	0.00	0.05	20.31
88SJB6708	77.27	9.24	13.59	0.00	0.00	0.00	20.26
88SJB6709	78.82	16.46	4.23	0.00	0.05	0.00	20.02
88SJB6710	64.00	6.85	28.80	0.00	0.00	0.00	20.07
88SJB6711	61.68	7.55	30.22	0.00	0.60	0.00	20.00
88SJB6712	63.82	7.70	25.09	0.05	0.05	0.00	19.35
88SJB6713	66.88	8.38	23.24	0.00	1.65	0.00	20.08
88SJB6714	56.02	16.08	27.36	0.05	0.00	0.00	19.93
88SJB6715	68.91	7.72	22.47	1.45	0.00	0.00	20.05
88SJB6716	68.70	7.00	24.40	0.00	0.00	0.00	20.02
88SJB6717	87.33	3.63	9.19	0.65	0.05	0.10	20.31
88SJB6718	65.43	11.06	18.81	0.00	0.15	0.00	19.33
88SJB6719	57.35	24.02	15.94	1.10	0.10	0.05	19.78
88SJB6720	42.28	31.17	23.37	0.10	0.05	0.00	19.54

Lithological Analysis Pebble lithologies of borehole samples (2-5.6 mm fraction)

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB6722	62.71	14.53	17.37	0.00	0.40	0.00	19.03
88SJB6801	60.69	10.36	21.74	6.93	0.22	0.07	13.71
88SJB6803	56.46	13.22	28.98	0.50	0.95	0.00	20.07
88SJB6804	42.93	5.83	12.80	0.15	0.95	0.00	12.58
88SJB6807	55.83	22.21	19.34	0.84	1.69	0.00	20.15
88SJB6809	90.46	1.94	5.47	0.10	0.00	0.00	19.71
88SJB6904	61.49	9.75	28.55	0.28	0.56	0.00	14.45
88SJB6905	66.47	8.63	24.40	0.00	0.55	0.15	20.08
88SJB6907	64.61	4.55	29.48	0.00	1.20	0.00	19.95
88SJB6908	70.24	6.39	22.22	0.00	1.00	0.05	20.01
88SJB6909	69.35	5.39	24.16	0.65	0.55	0.05	20.06
88SJB6910	68.37	7.75	22.89	0.00	0.20	0.15	19.88
88SJB6911	71.40	6.15	21.25	0.00	0.90	0.15	19.97
88SJB6912	65.22	4.55	28.94	0.00	1.05	0.10	19.98
88SJB6913	66.90	6.85	23.70	0.80	1.40	0.00	19.93
88SJB6914	70.41	5.59	23.64	0.00	0.31	0.10	19.68
88SJB6915	69.88	7.84	20.31	0.06	1.17	0.00	16.08
88SJB6916	64.82	9.98	23.30	0.00	1.67	0.00	17.30
88SJB7005	88.56	2.30	8.79	0.30	0.25	0.00	20.06

1987 Heavy Mineral Abundances (weight per cent) (63-250μm, >3.3 s.g.)

List of Heavy Mineral Codes

HY	HYPERSTHENE
BZ	BRONZITE
DI	DIOPSIDE
HE	HEMATITE (irregular)
Ho	HEMATITE (round)
H\	HEMATITE (banded)
HB	HORNBLENDE
EP	EPIDOTE
RU	RUTILE
ZI	ZIRCON
GA	GARNET
PY	PYRITE
GO	GOETHITE
MZ	MONAZITE
LE	LEUCOXENE
KY	KYANITE
SD	SIDERITE
ST	STAUROLITE
SP	SPHENE
IL	ILMENITE
MI	MICA
CR	CHROMITE
UK	UNKNOWN

1987 Heavy Mineral Abundances (weight per cent)

SAMPLE NO.	Di	HY	Bz	He Total	He	Ho	H\	Hb	EP	Ru	Zi	Ga	Py	Go	Mz	Le	KY	Sd	St	Sp	Il	Mi	Cr	Uk	Depth metres
87SJB0104	6.3	4.7	0.0	8.4	7.7	0.7	0.0	0.7	15.0	0.0	1.3	36.7	14.3	1.0	0.0	0.3	0.0	0.3	0.7	2.3	3.7	0.0	0.0	4.3	4.10
87SJB0105	2.7	8.0	0.0	6.7	6.0	0.7	0.0	0.0	6.3	0.0	1.3	47.0	13.3	0.3	0.0	0.7	0.0	1.0	0.0	1.3	7.7	0.0	0.3	3.3	5.90
87SJB0115	7.7	16.3	0.0	3.7	3.7	0.0	0.0	6.0	9.7	0.7	2.3	39.0	3.3	0.0	0.0	0.3	0.0	2.0	0.3	1.3	5.7	0.0	0.0	1.7	38.90
87SJB0212	3.7	25.0	0.0	0.6	0.3	0.3	0.0	1.3	8.7	0.0	1.0	40.3	6.3	0.3	0.0	2.0	0.0	0.7	0.0	2.0	6.0	0.0	0.0	2.0	38.30
87SJB0213	1.0	18.0	0.0	4.7	3.7	1.0	0.0	0.3	5.7	0.0	0.0	52.3	4.7	0.0	0.0	1.0	0.0	0.3	0.3	1.0	6.0	0.0	0.0	4.7	39.30
87SJB0214	3.3	29.7	0.3	1.6	1.3	0.3	0.0	1.7	9.3	0.0	2.0	38.3	1.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	6.3	0.0	0.0	5.0	41.0
87SJB0215	7.3	21.0	0.3	2.4	1.7	0.7	0.0	0.7	9.3	0.0	1.0	39.7	4.0	0.0	0.0	1.3	0.0	0.3	0.0	1.3	7.3	0.0	0.0	4.0	42.5
87SJB0216	2.0	14.3	0.0	3.7	2.7	1.0	0.0	1.7	7.7	0.0	2.0	51.7	2.7	0.0	0.0	1.3	0.0	1.3	0.3	2.3	7.3	0.0	0.0	1.7	43.4
87SJB0217	5.7	18.7	0.0	1.0	1.0	0.0	0.0	2.3	9.3	0.0	0.0	43.0	6.0	0.0	0.0	0.7	0.0	1.3	0.0	1.0	8.0	0.0	0.0	3.0	44.0
87SJB0302	4.7	22.3	0.0	1.7	1.7	0.0	0.0	1.0	8.7	0.0	1.3	45.7	4.3	0.0	0.0	0.7	0.0	0.3	0.0	1.7	6.0	0.0	0.0	1.7	10.20
87SJB0304	4.3	10.7	0.0	4.4	3.7	0.7	0.0	2.3	9.3	0.3	1.0	50.3	5.3	0.3	0.3	0.3	0.0	0.7	0.0	1.0	7.0	0.0	0.0	2.3	12.60
87SJB0305	4.7	23.3	0.7	6.7	6.0	0.7	0.0	1.0	8.7	0.0	0.7	43.0	2.0	0.3	0.0	0.3	0.0	1.3	0.0	1.0	5.0	0.0	0.0	1.3	13.40
87SJB0305	2.7	18.0	0.0	2.7	2.0	0.7	0.0	0.7	10.0	0.0	2.0	51.3	1.4	0.7	0.0	0.7	0.0	0.0	0.0	0.0	7.3	0.0	0.0	2.7	13.40
87SJB0306	7.0	18.0	0.3	1.6	1.3	0.3	0.0	1.0	14.7	0.0	0.7	37.3	5.3	0.0	0.0	0.7	0.0	0.3	0.0	1.7	4.7	0.0	0.0	6.7	16.5
87SJB0307	1.7	11.0	0.0	3.3	3.3	0.0	0.0	1.7	6.7	0.0	2.7	57.7	7.3	0.7	0.0	0.0	0.0	0.0	0.0	1.3	5.3	0.0	0.0	0.7	19.40
87SJB0308	5.0	27.0	0.7	2.3	2.0	0.3	0.0	0.3	5.7	0.0	0.3	40.3	5.0	0.0	0.3	1.0	0.0	0.3	0.0	0.7	8.7	0.0	0.0	2.3	21.0
87SJB0309	4.0	20.7	0.7	3.3	3.3	0.0	0.0	2.0	12.3	0.0	0.7	39.3	5.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0	6.3	0.0	0.0	2.7	21.5
87SJB0310	5.7	16.7	0.0	4.0	3.7	0.3	0.0	1.0	5.0	0.0	1.0	49.3	3.7	0.0	0.0	1.7	0.0	1.7	0.0	1.0	7.7	0.0	0.3	1.3	23.30
87SJB0311	3.3	28.0	0.0	5.0	5.0	0.0	0.0	1.0	6.0	0.0	1.0	34.7	5.3	0.3	0.0	0.7	0.0	4.3	0.0	0.3	7.0	0.0	0.0	3.0	27.90
87SJB0312	3.7	29.3	0.0	1.3	1.3	0.0	0.0	1.0	9.3	0.0	0.7	37.0	3.0	0.7	0.0	0.7	0.0	4.7	0.0	1.7	3.3	0.0	0.0	3.7	30.40
87SJB0313	1.0	30.3	1.0	3.6	3.3	0.3	0.0	1.3	7.3	0.0	0.7	38.3	3.0	0.3	0.0	1.0	0.0	2.3	0.7	0.3	6.0	0.0	0.0	2.7	31.5
87SJB0315	1.0	25.3	0.7	2.4	1.7	0.7	0.0	1.3	7.7	0.0	0.3	37.7	4.7	0.0	0.0	1.0	0.0	4.3	0.3	1.0	9.7	0.0	0.0	2.7	34.60
87SJB0404	3.0	15.7	0.0	8.3	8.0	0.3	0.0	1.3	15.0	0.0	1.7	32.7	9.0	0.3	0.0	1.7	0.0	1.0	0.0	2.0	3.7	0.0	0.0	4.7	12.5
87SJB0405	3.0	9.3	0.0	5.0	4.7	0.3	0.0	0.7	13.0	0.0	1.7	36.7	13.7	0.0	0.0	1.0	0.0	2.3	1.0	2.3	7.7	0.0	0.0	2.7	13.40
87SJB0407	4.0	16.7	0.3	3.7	3.0	0.7	0.0	1.0	11.3	0.0	0.7	41.3	6.0	0.3	0.0	1.3	0.0	0.7	0.3	2.0	7.7	0.0	0.0	2.7	17.5
87SJB0408	4.0	15.7	0.0	3.3	3.3	0.0	0.0	1.3	15.0	0.0	0.3	38.7	7.3	1.0	0.0	1.0	0.0	0.0	0.0	1.7	8.0	0.0	0.0	2.7	23.60
87SJB0409	4.0	18.0	0.3	3.0	2.7	0.3	0.0	1.3	12.0	0.0	1.3	42.3	3.3	0.0	0.0	1.3	0.0	0.7	0.0	1.0	7.7	0.0	0.0	3.7	27.0
87SJB0410	1.7	15.0	0.0	8.3	8.0	0.3	0.0	1.0	5.3	0.0	0.7	42.0	9.0	0.3	0.0	1.7	0.0	1.0	0.0	1.7	11.3	0.0	0.0	1.0	31.5
87SJB0412	3.0	11.3	0.0	2.3	2.3	0.0	0.0	4.3	1.7	0.0	0.3	4.0	9.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	45.7	3.7	0.0	14.3	34.40
87SJB0504	5.0	39.7	0.0	3.3	3.3	0.0	0.0	1.0	7.7	0.0	0.3	22.7	2.0	0.3	0.0	1.7	0.3	4.0	0.0	1.3	4.0	0.0	0.3	6.3	17.80
87SJB0505	3.0	13.0	0.0	4.6	4.3	0.3	0.0	2.0	12.7	0.7	1.0	35.3	12.0	0.3	0.0	2.3	0.0	3.0	0.0	1.0	7.7	0.0	0.0	1.3	20.0
87SJB0506	4.0	16.7	0.0	5.7	4.7	1.0	0.0	1.0	17.0	0.0	1.7	33.0	6.0	1.0	0.0	1.3	0.0	1.7	0.0	1.7	6.0	0.0	0.0	3.3	23.30
87SJB0507	5.7	16.3	0.0	5.3	4.3	1.0	0.0	1.7	12.7	0.0	0.3	34.3	7.7	0.7	0.0	0.3	0.0	2.3	0.0	1.0	8.3	0.0	0.0	3.3	24.80
87SJB0508	7.3	9.3	0.0	7.3	6.0	1.3	0.0	1.3	17.0	0.0	2.0	32.7	5.0	0.0	0.0	1.3	0.0	3.7	0.0	1.7	8.0	0.0	0.0	3.3	27.0
87SJB0509	1.0	43.7	0.0	0.0	0.0	0.0	0.0	1.0	0.3	0.0	0.7	42.3	2.3	0.0	0.0	0.3	0.0	1.3	0.0	0.0	5.3	0.0	0.0	1.7	28.70
87SJB0510	0.7	33.0	0.3	0.7	0.7	0.0	0.0	1.0	7.3	0.0	0.7	38.7	4.0	0.0	0.0	0.0	0.0	3.7	0.0	0.0	7.7	0.0	0.0	2.3	32.0
87SJB0601	6.3	13.7	0.0	10.0	8.7	1.3	0.0	1.0	17.7	0.0	2.3	32.7	0.7	1.7	0.0	1.7	0.0	0.7	0.0	2.0	5.7	0.0	0.0	4.0	1.10
87SJB0602	6.0	13.0	0.0	8.3	7.3	1.0	0.0	2.3	17.0	0.0	1.7	39.0	0.7	1.0	0.0	1.3	0.0	0.0	0.0	3.0	4.3	0.0	0.0	2.3	1.80
87SJB0603	8.0	11.3	0.0	9.0	7.7	1.3	0.0	1.7	12.0	0.3	3.0	33.0	0.3	1.0	0.0	3.0	0.0	0.3	0.0	2.3	10.0	0.0	0.0	4.7	2.30
87SJB0604	4.3	10.0	0.0	4.7	4.7	0.0	0.0	1.3	10.7	0.0	1.3	37.7	13.3	0.3	0.0	1.7	0.0	3.3	0.0	1.7	6.7	0.0	0.0	3.0	3.80
87SJB0605	2.0	6.0	0.0	9.3	8.0	1.3	0.0	1.0	13.0	0.0	2.7	44.3	9.0	0.3	0.0	0.7	0.0	1.0	0.0	1.3	4.7	0.0	0.0	4.7	4.90
87SJB0606	3.5	9.7	0.0	10.1	9.7	0.4	0.0	1.6	17.5	0.4	2.7	33.1	2.3	2.7	0.0	2.3	0.0	0.4	0.0	1.2	9.7	0.0	0.0	2.7	5.30
87SJB0801	7.0	9.0	0.0	6.7	6.0	0.7	0.0	1.3	15.7	0.7	1.3	39.3	1.0	1.7	0.0	2.0	0.0	0.0	0.0	2.7	6.3	0.0	0.0	5.3	2.30
87SJB0805	3.3	8.7	0.0	11.0	9.7	1.3	0.0	1.0	9.0	0.0	2.3	47.0	0.7	2.0	0.0	1.3	0.0	0.7	0.0	2.0	8.7	0.0	0.0	2.3	11.70
87SJB0811	5.7	22.0	0.0	5.0	4.3	0.7	0.0	4.0	9.0	0.0	0.0	40.7	4.3	0.0	0.0	1.3	0.0	0.3	0.0	0.3	5.3	0.0	0.0	2.0	33.40
87SJB0811	3.3	25.3	0.0	0.7	0.7	0.0	0.0	2.7	9.3	0.0	1.3	41.4	1.3	0.0	0.0	0.0	0.0	1.3	0.0	0.7	10.0	0.0	0.7	2.0	33.40
87SJB0812	8.0	21.3	0.3	0.7	0.7	0.0	0.0	0.3	10.7	0.0	0.0	43.0	5.0	0.0	0.0	1.3	0.0	0.3	0.0	0.0	4.7	0.0	0.0	4.3	37.60
87SJB0813	0.3	61.3	0.0	1.3	1.3	0.0	0.0	2.3	2.3	0.0	0.0	17.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.7	0.0	3.3	39.20
87SJB0813	2.0	57.6	0.0	0.7	0.7	0.0	0.0	2.6	3.3	0.0	1.4	21.9	4.6	0.0	0.0	1.3	0.0	0.7	0.0	0.0	1.3	0.0	0.0	2.0	39.20

1987 Heavy Mineral Abundances (weight per cent)

SAMPLE NO.	Di	HY	Bz	He Total	He	Ho	H\	Hb	EP	Ru	Zi	Ga	Py	Go	Mz	Le	KY	Sd	St	Sp	Il	Mi	Cr	Uk	Depth metres
87SJB0901	4.3	40.0	0.0	3.3	3.0	0.0	0.3	1.3	11.0	0.3	1.7	27.3	0.3	2.3	0.0	0.7	0.0	0.3	0.0	0.3	3.0	0.0	0.0	3.7	1.40
87SJB0902	5.3	15.0	0.0	2.7	2.7	0.0	0.0	1.7	23.0	0.0	1.3	31.7	6.0	0.3	0.0	1.7	0.0	1.0	0.0	1.7	7.0	0.0	0.0	1.7	3.20
87SJB1001	3.3	17.0	0.0	5.3	5.3	0.0	0.0	0.7	11.0	0.0	1.0	45.0	0.7	0.0	0.0	1.3	0.3	0.0	0.0	1.0	8.0	0.3	0.0	5.0	2.30
87SJB1105	5.7	33.3	0.0	1.7	1.7	0.0	0.0	1.0	11.0	0.0	0.3	31.3	6.7	0.3	0.0	0.0	0.0	0.7	0.0	1.0	4.0	0.0	0.0	3.0	10.20
87SJB1106	4.7	22.0	0.0	2.3	2.0	0.3	0.0	2.0	14.0	0.0	0.0	34.7	6.3	0.3	0.0	0.3	0.0	0.7	0.0	2.7	5.0	0.0	0.0	5.0	14.30
87SJB1107	2.0	16.0	0.3	3.0	2.7	0.3	0.0	2.0	4.0	0.0	1.3	48.7	12.7	0.3	0.0	1.0	0.0	0.3	0.0	0.3	6.0	0.0	0.0	2.0	14.80
87SJB1108	8.7	26.0	0.3	3.0	2.7	0.3	0.0	2.7	17.0	0.0	0.0	24.7	5.7	0.0	0.0	0.3	0.0	0.0	0.0	3.0	5.0	0.0	0.0	3.7	17.80
87SJB1109	3.0	26.0	0.0	1.7	1.7	0.0	0.0	5.7	10.3	0.0	0.0	38.7	3.7	0.0	0.0	2.3	0.0	0.3	0.0	1.7	3.3	0.0	0.0	3.3	23.0
87SJB1110	5.7	23.7	0.3	2.6	2.3	0.3	0.0	3.3	15.3	0.7	0.0	35.0	4.0	0.0	0.3	0.3	0.0	0.0	0.0	2.3	4.0	0.0	0.0	2.3	24.20
87SJB1111	2.3	16.7	0.0	4.0	3.3	0.7	0.0	0.7	4.0	0.0	1.0	56.3	5.3	0.0	0.0	1.0	0.0	1.0	0.0	0.7	5.3	0.3	0.0	1.3	27.90
87SJB1112	1.7	17.3	0.0	3.4	2.7	0.7	0.0	2.3	6.0	0.0	0.3	55.0	5.0	0.3	0.0	0.7	0.0	0.3	0.0	0.7	4.3	0.0	0.0	2.7	28.80
87SJB1113	0.7	32.0	0.3	4.3	4.3	0.0	0.0	2.3	4.7	0.0	0.0	43.3	5.0	0.3	0.0	0.3	0.0	0.3	0.0	0.3	4.0	0.0	0.0	2.0	32.5
87SJB1114	3.3	12.0	0.0	3.0	2.0	1.0	0.0	1.3	4.7	0.0	4.0	48.7	5.0	0.0	0.0	0.3	0.0	0.7	0.0	0.3	12.3	0.0	0.3	4.0	35.20
87SJB1115	5.3	47.7	0.7	1.0	1.0	0.0	0.0	0.7	7.3	0.0	0.0	26.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	5.7	0.0	0.0	2.7	36.40
87SJB1116	2.0	21.3	0.3	1.7	1.0	0.7	0.0	2.0	6.7	0.0	2.3	45.3	4.3	0.3	0.0	1.3	0.0	0.0	0.0	1.3	9.0	0.0	0.3	1.7	37.30
87SJB1117	3.3	35.0	0.3	2.0	2.0	0.0	0.0	1.0	11.7	0.0	0.3	30.3	2.7	0.0	0.0	3.7	0.0	0.7	0.0	1.0	5.0	0.0	0.0	3.0	37.90
87SJB1118	5.3	22.0	0.0	1.7	1.7	0.0	0.0	1.0	8.3	0.0	1.7	41.3	6.7	0.7	0.0	0.7	0.0	0.0	0.0	0.3	8.0	0.0	0.0	2.3	39.60
87SJB1119	5.3	25.3	0.3	2.0	1.7	0.3	0.0	2.3	10.7	0.0	0.7	39.0	4.3	0.0	0.0	0.3	0.0	0.7	0.0	3.0	4.0	0.0	0.0	2.0	40.80
87SJB1120	4.0	23.3	1.0	2.7	2.7	0.0	0.0	1.7	7.7	0.0	0.0	46.0	3.7	0.0	0.0	0.3	0.0	0.0	0.0	0.7	7.0	0.0	0.0	2.0	41.60
87SJB1206	4.7	17.7	0.0	2.7	2.7	0.0	0.0	1.0	13.0	0.0	1.0	33.0	8.7	0.7	0.0	2.3	0.0	4.7	0.0	2.7	5.0	0.0	0.0	3.0	19.5
87SJB1207	8.0	40.3	0.0	4.0	4.0	0.0	0.0	2.0	7.3	0.3	1.3	19.0	6.7	0.7	0.0	0.3	0.0	1.0	0.0	0.3	5.0	0.0	0.0	3.7	21.10
87SJB1208	8.7	35.7	0.0	2.7	2.7	0.0	0.0	1.3	13.0	0.0	0.0	17.3	5.7	0.7	1.0	1.3	0.0	1.3	0.0	1.7	6.7	0.0	0.0	3.0	23.30
87SJB1209	7.3	17.3	0.0	1.6	1.3	0.3	0.0	1.7	11.3	0.0	0.3	34.0	8.0	0.7	0.0	1.3	0.0	2.0	0.0	2.0	9.7	0.0	0.3	2.3	24.5
87SJB1211	3.3	14.3	0.0	3.3	3.0	0.3	0.0	3.0	14.7	0.0	0.0	47.0	2.3	0.0	0.0	0.7	0.0	2.7	0.0	2.0	4.3	0.0	0.0	2.3	26.40
87SJB1212	5.0	26.7	0.0	2.0	2.0	0.0	0.0	2.3	10.7	0.0	0.3	34.7	3.3	0.0	0.7	0.7	0.0	2.0	0.0	1.7	6.7	0.0	0.0	3.3	27.90
87SJB1213	2.7	15.3	0.0	2.6	2.3	0.3	0.0	1.3	7.0	0.0	1.3	51.7	4.7	0.0	0.0	0.0	0.0	0.7	0.0	1.3	7.7	0.0	0.0	3.7	29.20
87SJB1304	1.3	17.0	0.0	6.0	5.7	0.3	0.0	1.7	8.7	0.0	1.0	41.3	7.3	0.0	0.0	0.7	0.0	3.3	0.0	3.3	5.7	0.0	0.0	2.7	4.40
87SJB1305	4.7	19.0	0.0	1.3	1.3	0.0	0.0	1.3	14.3	0.0	0.0	35.3	10.0	0.0	0.0	2.0	0.0	1.0	0.0	3.0	6.0	0.0	0.0	2.0	6.40
87SJB1306	1.7	10.3	0.0	6.0	6.0	0.0	0.0	1.3	14.0	0.0	1.0	36.3	14.7	0.3	0.0	1.7	0.0	1.3	0.0	1.3	8.0	0.0	0.0	2.0	8.5
87SJB1307	5.0	13.3	0.0	9.3	9.0	0.3	0.0	0.7	13.3	0.0	0.7	33.3	8.3	0.0	0.0	2.0	0.0	2.0	0.0	2.3	6.7	0.3	0.0	2.7	10.10
87SJB1308	0.7	15.7	0.0	4.0	2.0	2.0	0.0	3.3	7.7	0.0	1.3	43.0	7.0	0.0	0.3	1.0	0.0	3.0	0.0	1.7	6.3	0.0	0.0	5.0	11.10
87SJB1309	2.3	16.0	0.0	5.3	5.3	0.0	0.0	0.0	6.0	0.0	0.3	31.7	9.3	0.0	0.0	0.3	0.0	16.3	0.0	1.0	9.0	0.0	0.0	2.3	13.30
87SJB1310	2.0	11.7	0.0	3.0	2.3	0.7	0.0	1.3	4.0	0.0	0.7	47.3	7.7	0.3	0.0	0.0	0.0	10.7	0.0	1.0	8.3	0.0	0.0	2.0	15.70
87SJB1312	2.3	19.7	0.0	2.6	2.3	0.3	0.0	0.3	6.7	0.0	0.3	49.0	2.7	0.3	0.0	1.3	0.0	2.0	0.0	1.3	9.0	0.0	0.0	2.3	17.20
87SJB1313	3.0	15.0	0.0	5.0	4.0	1.0	0.0	4.3	8.7	0.0	0.3	41.3	7.7	1.0	0.0	2.0	0.0	0.7	0.3	0.7	7.0	0.0	0.0	3.0	20.30
87SJB1314	3.3	32.3	1.0	5.3	5.0	0.3	0.0	6.0	5.0	0.0	0.0	29.3	5.3	0.3	0.0	0.7	0.0	0.0	0.0	1.0	7.3	0.0	0.0	3.0	21.5
87SJB1315	3.0	10.7	1.3	11.0	9.7	1.3	0.0	7.0	7.3	0.0	0.0	41.3	5.0	0.0	0.0	1.7	0.0	1.0	0.3	1.3	5.0	0.0	0.0	4.0	23.60
87SJB1316	4.0	15.3	0.0	5.3	5.0	0.3	0.0	1.3	7.0	0.0	0.7	43.0	5.0	0.0	0.0	2.3	0.7	0.0	0.0	1.3	10.7	0.0	0.0	3.3	24.20
87SJB1317	0.7	7.7	0.3	7.0	6.7	0.3	0.0	2.7	12.7	0.0	0.7	45.3	7.0	0.0	0.0	1.3	0.0	2.0	0.0	1.3	10.0	0.0	0.0	1.3	25.5
87SJB1319	2.3	13.3	0.0	2.0	1.3	0.7	0.0	4.3	10.3	0.0	0.7	47.3	6.7	0.7	0.0	1.7	0.0	1.0	0.0	1.0	6.0	0.0	0.0	2.7	29.90
87SJB1321	4.0	16.0	2.0	5.7	4.7	1.0	0.0	4.3	5.0	0.0	0.3	43.7	6.7	1.0	0.0	0.7	0.0	0.0	0.3	1.7	7.0	0.0	0.0	1.7	33.70
87SJB1501	5.0	22.7	0.0	5.0	4.0	1.0	0.0	0.7	14.0	0.7	1.0	33.3	1.7	1.3	0.0	2.3	0.0	0.0	0.0	1.0	7.3	0.0	0.0	4.0	2.0
87SJB1604	1.7	20.0	0.0	5.0	5.0	0.0	0.0	2.7	13.3	0.0	0.0	30.0	6.7	1.0	0.0	2.3	0.0	4.3	0.0	3.0	7.3	0.0	0.0	2.7	6.90
87SJB1608	9.0	19.7	0.3	8.3	6.0	2.3	0.0	0.7	15.0	0.0	1.0	25.0	5.0	0.7	0.0	1.7	0.0	1.0	0.0	2.7	5.7	0.0	0.0	4.3	17.70
87SJB1609	2.3	22.0	0.3	2.0	1.7	0.3	0.0	0.7	17.3	0.0	0.7	30.7	7.0	0.0	0.0	1.3	0.0	5.7	0.0	2.7	4.7	0.0	0.0	2.7	18.70
87SJB1610	2.3	23.0	0.3	2.3	2.0	0.3	0.0	1.3	15.7	0.0	1.0	37.7	2.3	0.7	0.0	0.3	0.0	1.7	0.0	1.7	5.3	0.0	0.0	4.3	19.70
87SJB1611	8.3	21.0	0.3	0.3	0.3	0.0	0.0	1.0	19.3	0.0	1.0	34.3	3.0	0.0	0.0	1.7	0.0	0.7	0.7	2.7	3.0	0.0	0.0	2.7	20.90
87SJB1612	1.0	16.0	0.0	7.0	6.0	1.0	0.0	1.7	17.0	0.0	1.3	32.3	4.3	0.0	0.0	0.7	0.0	6.0	0.0	1.7	7.3	0.0	0.0	3.7	21.80

1987 Heavy Mineral Abundances (weight per cent)

SAMPLE NO.	Di	HY	Bz	He Total	He	Ho	H\	Hb	EP	Ru	Zi	Ga	Py	Go	Mz	Le	KY	Sd	St	Sp	Il	Mi	Cr	Uk	Depth metres
87SJB1613	2.0	13.3	0.0	4.3	3.3	1.0	0.0	2.3	12.3	0.0	1.3	43.0	4.3	0.0	0.0	1.7	0.0	3.0	0.0	1.7	8.7	0.0	0.0	2.0	22.40
87SJB1614	1.3	12.0	0.0	3.0	2.7	0.3	0.0	1.0	10.3	0.0	0.0	39.7	21.7	0.0	0.0	1.7	0.0	1.3	0.0	1.0	4.7	0.0	0.0	2.3	23.60
87SJB1615	5.3	21.0	0.3	3.3	3.3	0.0	0.0	2.7	5.0	0.0	0.0	47.7	1.7	1.0	0.0	1.0	0.0	0.7	0.3	1.3	5.7	0.0	0.0	3.0	24.5
87SJB1801	9.0	15.0	0.0	13.0	12.3	0.7	0.0	1.3	16.3	0.0	0.3	23.7	0.7	2.3	0.0	2.7	0.0	0.0	0.0	2.7	10.3	0.0	0.0	2.7	2.0
87SJB1802	4.0	16.3	0.7	11.0	11.0	0.0	0.0	0.3	15.7	0.3	1.3	28.0	2.0	1.3	0.0	1.7	0.0	0.7	0.0	0.7	11.7	0.0	0.0	4.3	2.30
87SJB1811	3.7	10.0	0.0	2.0	2.0	0.0	0.0	2.7	9.7	0.0	1.0	49.7	6.0	0.0	0.0	1.3	0.0	0.3	0.0	1.0	9.3	0.3	0.0	3.0	23.30
87SJB1812	5.0	20.7	0.0	2.6	2.3	0.0	0.3	2.0	14.3	0.0	0.0	38.0	2.7	0.0	0.0	0.7	0.0	1.3	0.0	2.0	6.3	0.0	0.0	4.3	25.10
87SJB1813	3.0	12.3	0.0	2.0	2.0	0.0	0.0	3.3	7.3	0.3	0.7	50.0	5.3	0.0	0.0	0.3	0.0	1.7	0.0	0.3	9.3	0.0	0.0	4.0	26.40
87SJB1814	6.3	14.0	0.3	3.7	2.7	1.0	0.0	2.7	14.7	0.3	1.0	38.0	3.3	0.7	0.0	0.7	0.0	0.0	0.0	0.7	10.3	0.0	0.0	3.3	29.60
87SJB1815	2.0	11.3	0.0	5.0	4.7	0.3	0.0	1.0	9.7	0.0	0.3	55.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	2.7	31.20
87SJB1816	6.0	16.7	0.0	5.0	4.0	1.0	0.0	2.0	16.7	0.3	1.3	37.0	2.7	0.7	0.0	0.3	0.0	0.0	0.3	0.7	7.0	0.0	0.0	3.3	33.70
87SJB1817	2.3	11.0	0.7	7.0	6.0	1.0	0.0	3.0	6.7	0.0	0.7	45.0	5.0	1.3	0.0	1.0	0.0	0.0	0.0	1.3	11.7	0.0	0.0	3.3	34.90
87SJB1901	2.3	14.3	0.3	3.0	2.7	0.3	0.0	4.3	6.3	0.0	2.3	45.3	5.0	0.3	0.3	1.0	0.0	0.3	0.0	0.7	11.0	0.0	0.0	3.0	1.40
87SJB1903	4.0	12.0	0.0	1.7	1.7	0.0	0.0	6.0	19.7	0.0	0.7	30.7	4.3	1.0	0.0	0.7	0.0	7.0	0.0	1.0	7.3	0.0	0.0	4.0	2.90
87SJB1908	3.3	16.3	0.0	0.6	0.3	0.3	0.0	2.0	8.0	0.0	1.0	45.0	4.0	0.0	0.0	1.3	0.0	0.0	0.0	3.3	13.0	0.3	0.0	1.7	17.0
87SJB1909	2.7	10.3	0.0	1.7	1.7	0.0	0.0	6.3	6.0	0.0	1.3	52.3	3.3	0.3	0.0	0.3	0.0	0.3	0.0	1.7	10.7	0.0	0.0	2.7	19.40
87SJB1910	3.3	18.0	0.0	1.3	1.0	0.3	0.0	8.0	10.3	0.0	0.3	39.0	4.7	0.0	0.0	0.7	0.0	0.0	0.0	1.3	11.0	0.0	0.0	2.0	22.10
87SJB1911	2.3	47.3	0.0	2.4	1.7	0.7	0.0	2.0	7.7	0.0	1.0	24.7	3.3	0.0	0.3	0.0	0.0	2.3	0.0	1.0	3.3	0.0	0.0	2.3	24.30
87SJB1912	2.0	20.7	0.3	3.7	3.7	0.0	0.0	0.7	8.3	0.0	0.0	37.3	5.3	0.7	0.0	2.3	0.0	5.7	0.0	2.0	8.3	0.0	0.0	2.7	25.10
87SJB1913	3.0	15.3	0.3	2.6	2.3	0.3	0.0	1.3	11.3	0.0	1.0	42.3	6.0	0.3	0.0	0.7	0.0	1.0	0.0	1.3	9.0	0.0	0.0	4.3	27.0
87SJB1914	1.3	14.0	0.3	5.0	4.3	0.7	0.0	3.0	10.0	0.0	2.3	36.7	7.0	0.3	0.0	2.3	0.3	1.3	0.0	2.0	12.0	0.7	0.0	1.3	28.20
87SJB1918	0.3	3.7	0.0	1.3	0.3	1.0	0.0	2.3	80.3	0.0	0.0	5.3	0.7	0.7	0.0	1.0	0.0	0.7	0.0	0.0	3.0	0.0	0.0	0.7	34.60
87SJB1919	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	98.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	34.90
87SJB1920	0.3	1.7	0.0	0.3	0.3	0.0	0.0	0.0	54.3	0.0	0.0	0.3	2.7	27.0	0.0	6.3	0.0	6.0	0.0	0.0	0.7	0.0	0.0	0.3	36.90
87SJB2005	4.7	16.0	0.7	2.7	2.7	0.0	0.0	1.7	11.0	0.0	0.0	39.3	11.3	0.3	0.0	0.0	0.0	0.0	0.0	1.7	7.0	0.0	0.0	3.7	15.20
87SJB2006	4.3	11.7	0.0	2.6	2.3	0.3	0.0	2.0	13.3	0.0	1.0	40.0	10.7	0.0	0.0	0.7	0.0	0.3	0.0	1.0	8.7	0.0	0.3	3.3	19.20
87SJB2006	5.3	6.0	0.7	4.0	3.3	0.7	0.0	8.0	6.6	0.0	0.0	48.7	8.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	8.0	0.0	1.3	0.0	19.20
87SJB2008	2.0	10.0	0.3	6.6	5.3	1.3	0.0	2.0	7.0	0.0	1.3	48.7	7.0	0.3	0.0	1.3	0.0	0.3	0.0	1.7	8.7	0.0	0.0	2.7	21.80
87SJB2009	3.0	11.0	0.0	2.7	2.7	0.0	0.0	0.7	20.3	0.0	0.3	25.3	26.0	0.3	0.0	0.7	0.0	0.0	0.0	0.7	5.3	0.0	0.0	3.7	22.10
87SJB2102	3.3	16.3	0.0	3.7	3.0	0.7	0.0	4.3	10.0	0.0	0.3	46.3	1.0	1.3	0.0	0.3	0.0	0.0	0.0	2.0	8.7	0.0	0.0	2.3	3.5
87SJB2114	3.3	14.7	0.0	1.7	1.7	0.0	0.0	2.0	12.7	0.0	0.7	45.7	5.7	0.0	0.0	0.7	0.0	0.3	0.0	1.0	7.7	0.0	0.0	4.0	23.70
87SJB2115	2.3	14.7	0.0	1.6	1.3	0.3	0.0	1.3	8.7	0.0	0.7	53.0	4.7	0.0	0.0	0.3	0.0	1.0	0.0	1.3	7.3	0.0	0.0	3.0	24.20
87SJB2116	2.7	20.3	0.3	2.7	2.7	0.0	0.0	2.0	11.7	0.0	0.0	41.0	5.7	0.0	0.0	0.3	0.0	1.0	0.3	1.0	7.3	0.0	0.0	3.7	24.5
87SJB2117	1.3	15.3	0.0	3.0	3.0	0.0	0.0	1.7	12.7	0.0	0.7	44.0	7.7	0.3	0.0	0.3	0.0	2.7	0.0	1.7	5.7	0.0	0.0	3.0	25.10
87SJB2118	0.3	9.7	0.3	10.7	10.7	0.0	0.0	2.0	7.0	0.0	1.3	42.3	11.7	0.7	0.0	0.3	0.3	1.7	0.0	1.3	6.7	0.0	0.0	3.7	25.70
87SJB2211	7.7	14.0	0.0	3.0	3.0	0.0	0.0	1.7	16.3	0.0	0.0	34.3	7.0	0.3	0.0	0.3	0.0	0.7	0.0	0.3	10.3	0.0	0.0	4.0	47.70
87SJB2212	4.7	18.3	0.0	6.0	6.0	0.0	0.0	1.7	13.3	0.0	1.3	38.3	3.3	0.7	0.0	0.3	0.0	0.3	0.0	1.3	6.3	0.0	0.0	4.0	48.90
87SJB2213	8.7	21.0	0.3	4.3	4.3	0.0	0.0	1.3	9.0	0.0	3.0	28.3	2.7	0.0	0.0	0.7	0.0	0.7	0.0	0.3	16.7	0.0	0.0	3.0	49.80
87SJB2214	3.0	17.3	0.0	2.3	2.3	0.0	0.0	0.3	12.3	0.0	1.0	42.7	4.3	0.0	0.0	0.3	0.0	0.3	0.0	0.3	12.0	0.0	0.0	3.7	50.40
87SJB2215	4.0	24.3	0.0	3.3	2.0	1.3	0.0	1.0	10.7	0.0	1.3	30.7	6.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	14.3	0.0	0.0	3.3	52.30
87SJB2401	4.0	20.3	0.0	10.4	9.7	0.7	0.0	0.7	15.0	0.3	2.0	23.3	1.7	1.0	0.0	4.3	0.0	1.3	0.3	1.7	9.0	0.0	0.0	4.7	2.30
87SJB2504	8.0	16.0	0.0	0.3	0.3	0.0	0.0	8.0	17.3	0.0	0.3	33.3	5.3	1.3	0.0	1.3	0.0	0.0	0.3	1.7	2.7	0.3	0.0	3.7	13.0
87SJB2505	2.3	13.3	0.0	1.6	1.3	0.3	0.0	9.7	14.0	0.0	0.0	38.0	9.3	0.3	0.0	0.3	0.0	0.0	0.0	2.0	6.3	0.0	0.0	2.7	13.30
87SJB2506	2.0	10.7	0.0	0.7	0.7	0.0	0.0	3.7	13.0	0.0	1.3	45.0	10.7	0.3	0.0	0.7	0.0	0.0	0.0	1.0	7.0	0.0	0.0	4.0	15.70
87SJB2507	3.3	10.7	0.0	0.3	0.0	0.3	0.0	4.0	9.3	0.3	1.0	49.7	5.3	1.0	0.0	0.7	0.0	1.3	0.0	1.3	9.0	0.0	0.0	2.7	17.5
87SJB2508	2.7	11.7	0.0	1.0	1.0	0.0	0.0	5.7	9.3	0.0	2.0	38.3	7.3	1.0	0.0	0.7	0.0	0.7	0.0	1.7	13.3	0.7	0.0	4.0	19.30
87SJB2509	4.7	20.0	0.0	1.3	1.3	0.0	0.0	4.7	13.0	0.0	0.7	39.7	4.3	0.0	0.0	0.0	0.0	0.7	0.0	2.7	6.3	0.3	0.0	1.7	20.20
87SJB2510	2.7	10.7	0.0	2.0	1.0	1.0	0.0	4.7	14.7	0.0	0.3	38.3	8.3	1.0	0.0	0.3	0.0	0.3	0.3	2.3	9.7	0.0	0.0	4.3	21.60

1987 Heavy Mineral Abundances (weight per cent)

SAMPLE NO.	Di	HY	Bz	He Total	He	Ho	H\	Hb	EP	Ru	Zi	Ga	Py	Go	Mz	Le	KY	Sd	St	Sp	Il	Mi	Cr	Uk	Depth metres
87SJB2511	6.7	20.7	0.0	0.7	0.7	0.0	0.0	5.0	14.7	0.0	0.0	35.3	3.0	0.3	0.0	0.0	0.0	0.0	0.3	2.7	6.0	0.3	0.0	4.3	22.30
87SJB2512	2.0	10.0	0.3	2.3	2.3	0.0	0.0	7.7	17.3	0.0	0.0	44.3	4.7	0.3	0.3	0.0	0.0	0.3	0.0	1.0	6.3	0.3	0.0	2.7	23.70
87SJB2513	0.0	4.0	0.0	3.6	3.3	0.3	0.0	6.0	21.7	0.0	0.0	9.7	2.7	0.3	0.0	1.7	0.0	1.0	0.0	1.0	46.7	0.0	0.0	1.7	24.10
87SJB2601	3.7	10.7	0.0	9.4	8.7	0.7	0.0	7.3	14.0	0.0	0.3	24.0	10.7	3.3	0.0	2.3	0.0	0.7	0.0	1.3	9.7	0.7	0.0	2.0	2.0
87SJB2602	2.7	15.7	0.3	3.3	3.0	0.3	0.0	4.3	15.3	0.3	1.0	32.3	6.7	0.0	0.0	0.7	0.0	4.7	0.0	2.0	6.0	0.0	0.0	4.7	4.10
87SJB2603	3.3	17.7	0.0	4.6	4.3	0.3	0.0	3.7	16.0	0.0	0.0	30.7	7.3	0.0	0.0	0.7	0.0	3.7	0.0	3.0	6.7	0.0	0.0	2.7	5.90
87SJB2604	5.0	18.0	0.0	5.0	4.0	1.0	0.0	3.3	11.0	0.0	0.0	36.0	8.3	0.3	0.0	0.0	0.0	2.7	0.7	2.0	5.0	0.0	0.0	2.7	8.40
87SJB2605	5.3	9.3	0.0	5.0	5.0	0.0	0.0	4.3	14.3	0.0	1.0	32.7	7.3	0.7	0.0	2.0	0.0	3.3	0.3	2.7	9.3	0.0	0.3	2.0	10.80
87SJB2606	2.7	12.7	0.0	4.0	3.3	0.7	0.0	4.7	16.7	0.3	0.3	35.0	7.0	0.3	0.0	0.7	0.0	0.7	0.0	2.7	9.7	0.0	0.0	2.7	12.60
87SJB2607	4.3	10.3	0.0	6.0	5.7	0.3	0.0	5.0	13.7	0.0	1.0	40.7	6.3	0.3	0.0	0.7	0.0	2.0	0.0	1.3	7.0	0.0	0.0	1.3	13.30
87SJB2608	13.7	18.0	0.3	3.3	3.3	0.0	0.0	2.0	7.0	0.0	0.3	39.3	5.3	0.3	0.0	0.7	0.0	2.3	0.0	0.0	5.7	0.0	0.0	1.7	17.20
87SJB2610	6.7	20.3	0.0	1.3	1.0	0.3	0.0	2.3	12.3	0.0	0.0	43.0	3.0	0.0	0.0	2.3	0.0	1.7	0.0	0.7	3.7	0.3	0.0	2.3	20.0
87SJB2611	5.7	12.3	0.0	4.6	4.3	0.3	0.0	4.3	9.3	0.0	0.3	47.0	4.0	0.3	0.0	0.7	0.0	1.7	0.0	0.7	6.7	0.0	0.0	2.3	22.40
87SJB2612	3.0	14.7	0.0	2.0	2.0	0.0	0.0	8.3	9.7	0.0	1.0	45.0	6.3	0.0	0.0	0.3	0.0	1.7	0.0	0.7	5.0	0.0	0.0	2.3	24.80
87SJB2613	4.3	19.7	0.3	4.7	4.0	0.7	0.0	2.7	9.0	0.0	0.0	46.3	4.7	0.3	0.0	0.7	0.0	0.7	0.3	1.0	4.7	0.0	0.0	0.7	26.0
87SJB2614	3.3	18.3	0.0	3.0	2.3	0.7	0.0	5.3	5.7	0.0	1.0	52.3	2.3	0.3	0.0	0.3	0.0	1.0	0.0	1.0	4.0	0.0	0.0	2.0	28.5
87SJB2615	4.0	23.7	0.7	4.0	3.0	1.0	0.0	3.3	3.3	0.0	0.3	48.0	5.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	4.0	0.0	0.0	1.7	29.30

1988 Heavy Mineral Abundances (weight per cent) (63-250μm, >3.3 specific gravity)

LIST OF HEAVY MINERAL CODES (1988)

DI	CLINOPYROXENE	diopside	
HY	ORTHOPYROXENE	hyperst.	
BZ		bronzite	
Gr	GARNET	rounded	
Ga		fractured	
Ge		euhedral	
Er	EPIDOTE	rounded	
Ep		fractured	
He	HEMATITE	irregular	
Hr		rounded	
Hi		botryoidal	
Ht		earthy	
Go	GOETHITE	red	(irregular shaped grains)
Gy		yellow	(irregular shaped grains)
Gr		botryoidal	(...regardless of colour...)
Gp		after pyrite	(used if complete replacement of a euhedral pyrite)
Py	PYRITE	goethite covered	(irregular shaped grains)
Pf		fresh	(irregular shaped grains
Pr		botryoidal	(...regardless of colour...)
Pm		microfossil	(pyrite replacement of a microfossil)
Pe		euhedral	(...regardless if goethite-covered or fresh)
Po		rounded	(...regardless if goethite-covered or fresh)
Sx	SIDERITE	x-tal aggregate	
Sd		massive	
Hg	HORNBLENDE	green	
Hb		brown	
Ru	RUTILE	red	
Ro		orange	
LE	LEUCOXENE		
IM	ILMENITE		
CR	CHROMITE		
SP	TITANITE		
ST	STAUROLITE		
KY	KYANITE		
MZ	MONAZITE		
Za	ZIRCON	angular	
Ze		euhedral	
Zr		rounded-abraided	
Zo		round	(rounded zircon, non-abraided)
UK	(unknown and unidentifiable)		

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB2702	2.7	40.7	0.0	2.0	20.0	0.0	0.7	4.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	1.3	11.3	0.0	0.7	0.0	0.0	0.0	2.7	0.0	0.7	0.7	2.0	4.1	22.0	0.0	2.0	4.7	5.4	7.32
88SJB2703	2.7	26.0	0.0	2.0	44.0	0.0	2.7	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	1.3	1.3	2.7	0.0	0.0	1.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	2.7	1.4	46.0	1.3	0.7	1.4	7.4	8.38
88SJB2704	6.0	24.7	0.0	0.7	38.0	0.0	0.0	7.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.0	3.3	7.3	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	2.7	1.3	3.4	38.7	0.7	2.7	2.7	7.3	9.45
88SJB2705	4.7	22.7	0.0	5.3	35.3	0.0	0.7	6.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	2.7	0.7	1.3	0.0	0.0	2.7	9.3	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	40.6	2.7	1.3	2.6	6.7	10.87
88SJB2706	2.0	21.3	0.0	2.0	30.7	0.0	5.3	12.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.7	0.0	0.0	0.7	2.0	2.7	0.0	0.0	1.3	6.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3	3.3	3.4	32.7	0.7	1.3	5.4	17.3	11.72
88SJB2707	6.0	14.7	0.0	3.3	33.3	0.0	3.3	12.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.3	0.0	0.7	2.0	12.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	36.6	0.0	2.0	2.0	16.0	12.95
88SJB2708	2.0	18.7	0.0	2.0	43.3	0.0	1.3	7.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.7	12.0	0.0	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.7	1.3	2.0	45.3	0.7	3.3	2.7	8.6	14.48
88SJB2709	5.3	15.3	0.0	2.7	38.7	0.0	2.0	8.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.3	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.0	12.7	0.0	2.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.7	41.4	0.7	2.0	4.6	10.7	15.39
88SJB2710	2.7	15.3	0.0	5.3	38.0	0.0	2.0	7.3	2.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.7	0.0	1.3	0.0	0.7	0.0	15.3	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.7	43.3	2.7	4.0	1.3	9.3	16.08
88SJB2711	4.0	13.3	0.0	5.3	39.3	0.0	2.0	6.0	4.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.3	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.0	1.4	44.6	0.0	5.3	2.7	8.0	16.92
88SJB2712	0.7	20.7	0.0	4.7	42.7	0.0	2.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.0	1.3	1.3	0.7	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	2.0	47.4	1.3	0.0	2.7	10.0	17.89
88SJB2713	1.3	11.3	0.0	2.0	47.3	0.0	1.3	14.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	14.7	0.0	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	0.0	49.3	0.0	0.7	1.3	16.0	19.05
88SJB2714	2.0	14.7	0.7	2.0	41.3	0.0	1.3	7.3	2.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.7	0.0	0.0	0.7	14.7	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7	2.7	0.7	43.3	2.0	2.7	4.0	8.6	20.25
88SJB2715	2.7	20.0	0.0	4.7	34.0	0.0	2.0	12.7	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.7	0.0	0.0	1.3	2.7	2.0	0.0	0.0	0.0	8.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.7	38.7	1.3	2.7	2.0	14.7	21.49
88SJB2716	3.3	14.7	0.0	1.3	34.7	0.0	2.7	13.3	3.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	3.3	1.3	0.0	0.0	2.0	10.0	0.0	1.3	0.0	0.0	0.0	1.3	0.0	1.3	0.7	1.3	3.3	36.0	1.3	4.6	1.3	16.0	22.71
88SJB2717	2.0	22.0	0.0	5.3	35.3	0.0	4.0	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	3.3	2.0	2.0	0.0	0.0	0.7	8.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	1.3	3.4	40.6	3.3	1.3	1.4	9.3	23.32
88SJB2718	0.0	17.3	0.0	6.0	41.3	0.0	1.3	4.7	3.3	1.3	0.0	0.7	0.0	0.0	0.0	0.0	1.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	2.0	10.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	47.3	0.0	5.3	4.0	6.0	24.84
88SJB2719	1.3	17.3	0.0	1.3	42.7	0.0	2.7	3.3	1.3	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	17.3	0.0	1.3	0.0	0.0	0.0	1.3	0.0	0.7	0.7	2.0	2.7	44.0	0.7	2.7	3.4	6.0	26.37
88SJB2720	2.7	12.0	0.0	7.3	36.7	0.0	4.7	6.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	1.3	0.0	0.0	0.0	0.0	2.0	0.7	0.7	0.0	0.0	0.0	12.7	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	44.0	2.0	3.3	5.3	11.4	27.58
88SJB2833	3.3	20.0	0.7	2.0	37.3	0.0	2.0	2.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	2.7	0.0	0.0	0.0	0.0	0.0	1.3	2.7	0.0	0.0	0.0	10.0	0.7	0.7	0.0	0.0	0.0	2.0	0.0	0.7	2.0	0.7	4.7	39.3	0.0	4.0	8.0	4.0	13.87
88SJB2812	0.7	7.3	0.0	2.0	44.7	0.0	1.3	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.7	0.0	0.7	0.0	0.0	4.0	0.7	0.0	0.0	0.0	2.0	12.7	0.0	4.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	2.7	1.3	46.7	4.0	0.0	8.1	9.3	16.46
88SJB2813	2.7	12.7	0.0	3.3	32.0	0.0	1.3	12.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.0	2.7	0.0	0.7	0.0	0.0	2.7	0.0	1.3	0.0	0.0	0.0	19.3	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	35.3	2.7	0.7	8.7	13.3	17.22
88SJB2816	2.0	13.3	0.0	4.7	37.3	0.0	0.7	3.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.7	2.7	0.7	0.7	0.0	0.0	14.7	1.3	0.0	0.0	0.0	1.3	10.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	14.7	1.3	9.5	4.0	22.40
88SJB2817	2.0	6.0	0.0	4.0	29.3	0.7	2.0	10.7	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	6.0	0.7	0.0	0.7	0.0	2.0	14.7	0.7	0.0	0.0	0.0	0.7	10.7	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	34.0	16.7	2.6	7.4	12.7	23.62
88SJB2818	2.7	10.7	0.0	2.0	18.0	0.0	1.3	8.0	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	10.7	1.3	0.0	0.7	0.0	0.7	15.3	2.7	0.0	0.0	0.0	2.0	12.0	0.0	3.3	0.0	0.0	0.0	1.3	0.0	0.0	2.7	2.0	4.0	20.0	16.0	2.0	13.4	9.3	24.84
88SJB2819	0.7	12.0	0.0	2.0	36.0	0.0	0.7	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	4.0	0.0	0.0	0.0	0.0	12.7	1.3	1.3	0.0	0.0	1.3	10.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	1.3	38.0	12.7	1.3	11.3	5.4	26.29
88SJB2820	2.7	6.7	0.0	2.0	32.7	0.0	2.7	5.3	1.3	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	8.0	2.0	0.0	2.7	0.7	0.0	6.0	2.7	2.0	0.0	0.0	2.0	14.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	2.0	2.0	3.3	34.7	6.0	2.0	13.4	8.0	26.59
88SJB2823	2.0	8.0	0.0	2.7	37.3	0.0	0.7	6.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	8.7	2.0	0.0	0.0	0.0	0.0	9.3	2.0	0.7	0.0	0.0	1.3	10.7	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	3.3	0.7	40.0	9.3	2.6	11.4	6.7	29.72
88SJB2835	2.7	19.3	0.0	2.0	50.7	0.0	0.0	4.0	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.7	5.3	2.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	5.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	52.7	0.7	2.1	8.0	4.0	48.92
88SJB2836	5.3	14.7	0.0	2.7	52.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.7	0.0	0.7	0.0	0.0	0.0	2.0	2.7	0.0	0.0	0.7	5.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	54.7	0.0	2.0	9.4	2.0	51.36
88SJB2904	8.7	10.0	0.0	2.0	22.0	0.0	2.7	12.7	5.3	0.7	1.3	1.3	0.0	0.0	0.0	0.0	1.3	5.3	2.0	0.0	0.7	0.0	0.0	4.7	0.7	0.7	0.0	0.0	0.7	10.7	1.3	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.7	2.0	2.0	24.0	4.7	8.6	9.3	15.4	8.38
88SJB2905	4.0	15.3	0.0	2.7	24.0	0.0	6.7	9.3	7.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	2.7	0.7	0.0	0.0	1.3	0.0	5.3	0.7	0.0	0.0	0.0	0.7	10.0	0.7	2.7	0.0	0.0	0.0	1.3	0.0	0.0	0.7	2.7	2.0	26.7	5.3	7.3	5.4	16.0	8.99
88SJB2906	6.0	11.3	0.0	4.0	34.0	0.0	4.0	10.0	3.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	3.3	4.0	1.3	0.0	0.0	0.7	0.7	1.3	0.7	0.0	2.0	0.0	0.0	6.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7	1.3	38.0	2.0	5.9	9.3	14.0	10.21
88SJB2907	4.7	13.3	0.0	0.7	30.7	0.0	1.3	8.7	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.0	0.0	0.7	0.0	0.0	0.7	1.3	1.3	0.0	0.0	2.7	16.7	0.0	2.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	1.3	2.0	31.4	0.7	5.4	7.4	10.0	11.7
88SJB2908	7.3	20.0	0.0	1.3	27.3	0.0	2.7	7.3	2.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	8.0	2.0	0.0	0.7	0.0	0.0	0.7	2.7	0.0	0.0	0.0	3.3	8.0	0.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.7	1.3	28.6	0.7	4.1	10.7	10.0	12.4
88SJB3001	5.3	11.3	0.0	3.3	26.7	0.0	5.3	14.7	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.7	0.0	2.7	16.0	0.0	2.7	0.0	0.0	0.0	0.0	1.3	0.0	2.0	2.7	3.3	30.0	0.0	2.0	0.0	20.0	1.07
88SJB3009	3.3	16.7	0.0	0.7	38.7	0.0	0.7	10.0	3.3	0.0	0.0	0.7	0.7	0.0	0.0	0.0	1.3	3.3	3.3	0.0	0.7	0.0	0.0	1.3	2.7	0.7	0.0	0.0	0.0	2.7	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1.3	3.3	3.3	5.3	39.4	1.3	4.0	8.6	10.7	14.25
88SJB3010	4.0	14.0	0.0	2.0	35.3	0.0	2.7	12.0	2.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	4.7	2.0	0.0	0.0	0.0	0.0	2.7	4.0	0.7	0.0	0.0	2.7	6.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.4	37.3	2.7	2.7	7.4	14.7	15.70
88SJB3011	5.3	24.0	0.0	0.7	29.3	0.0	2.0	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.7	0.0	0.0	0.0	1.3	2.7	2.0	0.0	0.0	1.3	8.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	2.0	0.0	2.0	2.7	30.0	1.3	0.0	4.0	14.0	17.07
88SJB3012	1.3	39.3	0.0	0.7	32.7	0.0	2.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	5.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	33.4	0.0	0.0	5.4	9.3	18.14
88SJB3101	2.0	12.0	0.0	2.0	32.7	0.0	0.7	12.0	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.7	0.0	0.0	1.3	16.0	0.7	2.7	0.0	0.0	0.0	0.7	0.0	0.7	3.3	2.7	4.7	34.7	0.0	6.6	0.0	12.7	0.76

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hl	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB3102	4.0	15.3	0.0	1.3	26.7	0.0	2.0	8.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.7	0.0	0.0	1.3	18.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	2.0	4.0	3.4	28.0	0.0	6.7	0.0	10.0	2.36
88SJB3103	2.7	12.0	0.0	2.7	32.7	0.0	0.7	7.3	9.3	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	18.7	0.7	2.7	0.0	0.0	0.0	0.0	0.0	0.7	4.0	2.0	4.7	35.4	0.0	10.0	0.0	8.0	3.20
88SJB3301	9.3	20.7	0.0	2.0	21.3	0.0	2.7	17.3	1.3	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.0	1.3	0.0	0.0	2.7	8.0	0.0	2.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.7	0.7	23.3	0.7	1.3	0.0	20.0	1.07
88SJB3401	7.3	12.0	0.0	5.3	32.0	0.0	4.0	8.7	4.0	1.3	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	9.3	0.0	4.0	0.7	0.0	0.0	0.7	0.7	0.7	1.3	2.7	3.4	37.3	0.0	6.7	0.0	12.7	1.37
88SJB3402	7.3	10.0	0.0	5.3	32.7	0.0	6.7	10.7	4.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	1.3	7.3	0.0	2.7	0.7	0.0	0.0	0.7	0.0	0.7	1.3	4.0	2.7	38.0	0.0	4.7	2.7	17.4	2.59
88SJB3411	6.0	13.3	0.0	4.7	22.7	0.7	0.7	10.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.3	2.7	0.0	1.3	0.0	0.0	2.7	0.0	0.0	0.0	0.0	1.3	10.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	1.3	3.3	2.7	28.1	2.7	8.0	11.3	10.7	16.67
88SJB3412	3.3	10.7	0.0	6.7	30.7	0.0	2.7	10.0	6.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	4.7	0.7	0.0	0.7	0.7	0.0	2.7	0.0	0.0	0.0	0.0	0.7	10.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.7	4.0	37.4	2.7	6.7	6.8	12.7	17.53
88SJB3415	1.3	10.0	0.0	4.0	26.7	0.0	2.0	8.7	8.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7	7.3	0.7	0.0	0.7	2.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	13.3	0.0	2.7	0.0	0.0	0.0	2.0	0.0	0.7	4.0	2.7	6.7	30.7	1.3	8.7	11.4	10.7	21.18
88SJB3416	3.3	7.3	0.0	7.3	30.7	0.0	3.3	7.3	4.7	0.7	0.0	0.0	1.3	0.7	0.0	0.0	0.0	6.0	2.0	0.0	0.7	0.0	0.0	2.7	1.3	0.0	0.0	0.0	2.7	10.7	0.7	4.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	0.0	2.6	38.0	2.7	5.4	8.7	10.6	22.40
88SJB3417	6.7	12.7	0.0	1.3	26.7	0.0	2.7	12.0	5.3	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	9.3	1.3	0.0	0.0	0.0	0.0	2.7	2.0	0.0	0.0	0.0	1.3	8.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	1.3	28.0	2.7	5.3	11.3	14.7	23.93
88SJB3418	4.7	9.3	0.0	3.3	18.0	0.0	2.0	16.0	7.3	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7	4.7	2.0	0.0	0.7	0.0	0.0	4.7	2.0	0.0	0.7	0.0	2.0	12.7	0.0	2.7	0.7	0.0	0.0	0.7	0.0	0.0	1.3	2.7	2.0	21.3	4.7	8.0	8.1	18.0	24.84
88SJB3423	10.0	14.0	0.0	2.0	26.7	0.0	6.0	11.3	5.3	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	4.0	0.7	0.0	0.7	0.0	0.0	2.7	1.3	0.7	0.0	0.0	0.0	7.3	0.0	1.3	0.0	0.7	0.0	0.7	0.0	0.7	0.7	2.0	2.1	28.7	2.7	6.0	5.4	17.3	36.73
88SJB3426	0.7	5.3	0.0	2.6	19.9	0.0	3.3	7.3	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	25.8	11.3	0.0	2.6	2.6	0.0	2.0	0.0	0.0	0.0	0.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	1.3	4.6	22.5	2.0	1.3	43.0	10.6	39.78
88SJB3514	0.0	12.7	0.0	4.0	34.7	0.0	4.0	5.3	4.0	0.7	0.0	0.7	0.7	0.0	0.0	0.0	2.7	6.7	1.3	0.0	0.0	0.0	0.0	3.3	1.3	0.0	0.0	0.0	0.0	10.7	0.0	0.7	0.0	0.0	0.0	1.3	0.7	0.7	2.0	2.0	4.7	38.7	3.3	5.4	10.7	9.3	31.39
88SJB3515	2.7	8.7	0.0	2.0	28.0	0.0	0.0	6.7	4.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	15.3	5.3	0.0	0.7	0.0	0.0	2.0	2.0	0.0	0.0	0.7	2.0	10.0	0.0	2.7	0.0	0.0	0.0	0.7	0.0	0.7	2.7	1.3	4.1	30.0	2.0	5.3	22.0	6.7	32.61
88SJB3602	6.7	12.0	0.0	2.7	26.7	0.0	1.3	9.3	6.0	0.7	0.7	0.0	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	1.3	19.3	0.0	2.7	0.0	0.0	0.0	2.0	0.0	1.3	0.7	2.0	4.0	29.4	0.7	7.4	1.3	10.6	1.98
88SJB3603	6.0	13.3	0.0	5.3	28.7	0.0	3.3	8.7	4.7	2.0	0.7	0.7	0.7	0.7	0.0	0.0	0.7	1.3	1.3	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.7	9.3	0.0	1.3	0.7	0.0	0.0	0.7	0.0	3.3	1.3	2.7	5.3	34.0	0.7	8.1	3.3	12.0	3.51
88SJB3606	0.7	9.3	0.0	2.0	34.7	0.0	2.7	12.0	1.3	0.0	0.7	0.0	0.7	0.0	0.0	0.0	1.3	1.3	4.7	0.0	0.7	0.0	0.0	5.3	0.7	0.0	0.0	0.0	2.7	12.0	0.7	0.7	0.0	0.0	0.0	0.7	0.0	2.0	2.7	0.7	5.4	36.7	5.3	2.0	8.0	14.7	8.99
88SJB3607	3.3	11.3	0.0	2.0	38.7	0.0	2.0	4.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.7	0.0	0.0	0.0	0.7	4.7	1.3	0.0	0.0	0.0	1.3	10.0	0.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	40.7	5.4	2.7	11.4	6.7	10.82
88SJB3608	2.0	17.3	0.0	2.0	39.3	0.7	2.0	5.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.0	1.3	0.0	0.7	7.3	0.0	0.7	0.0	0.0	1.3	8.0	0.0	3.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3	0.7	42.0	8.0	1.3	6.6	7.3	11.73
88SJB3609	3.3	8.7	0.7	4.7	32.7	0.0	3.3	7.3	1.3	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.0	0.0	0.7	0.0	0.7	4.0	2.0	0.0	0.0	0.0	0.7	10.0	0.0	0.7	0.7	0.0	0.0	2.7	0.7	0.7	2.0	2.0	6.1	37.4	4.7	3.3	9.4	10.6	12.34
88SJB3610	3.3	8.7	0.7	6.0	36.0	0.0	1.3	10.0	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.7	0.7	5.3	2.0	0.0	0.0	0.0	0.0	8.7	0.0	1.3	0.7	0.0	0.0	0.7	0.7	0.7	1.3	0.7	3.4	42.0	6.0	4.7	6.7	11.3	13.87
88SJB3611	0.7	12.0	0.0	4.7	36.0	0.0	4.7	6.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	4.0	0.0	0.0	0.0	0.0	2.0	4.0	0.0	0.0	0.0	0.7	10.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	2.0	2.0	2.7	40.7	2.0	1.3	10.7	11.4	14.17
88SJB3612	3.3	6.7	0.0	1.3	50.0	0.0	4.7	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	2.7	2.0	0.0	0.0	0.0	0.0	8.7	0.0	2.0	0.7	0.0	0.0	1.3	0.0	0.7	1.3	1.3	3.3	51.3	2.7	2.0	2.6	13.4	16.61
88SJB3701	5.3	14.0	0.0	2.7	35.3	0.0	2.0	11.3	8.0	0.7	0.0	0.0	1.3	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.7	0.7	7.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.7	0.7	38.0	0.0	8.7	2.7	13.3	1.37
88SJB3703	1.3	12.0	0.0	5.3	40.0	0.0	1.3	7.3	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	16.7	0.0	4.0	0.7	0.0	0.0	2.0	0.0	0.0	0.7	2.7	2.7	45.3	0.0	4.0	1.3	8.6	2.90
88SJB3706	6.0	11.3	0.0	1.3	36.0	0.0	3.3	11.3	3.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	5.3	6.0	0.0	0.0	0.0	1.3	9.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	5.3	4.7	3.4	14.6	9.14
88SJB3708	5.3	10.7	0.0	4.0	37.3	0.0	1.3	9.3	2.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.0	0.0	0.0	0.0	0.0	6.7	0.7	0.7	0.7	0.0	0.0	6.7	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7	2.1	41.3	6.7	3.3	9.3	10.6	11.20
88SJB3709	4.7	9.3	0.0	2.7	38.0	0.7	4.0	10.7	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.3	2.7	2.7	0.0	0.0	0.0	0.0	3.3	3.3	0.0	0.0	0.0	0.7	6.7	1.3	3.3	0.0	0.0	0.0	0.7	0.7	0.0	0.7	1.3	2.1	41.4	3.3	0.7	6.7	14.7	11.73
88SJB3710	8.7	14.0	0.0	2.7	36.7	0.0	2.0	10.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	2.0	0.7	0.0	0.7	0.0	5.3	1.3	0.0	0.0	0.0	0.0	8.7	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.0	2.7	1.4	39.4	5.3	0.7	4.7	12.0	12.65
88SJB3711	3.3	12.0	0.0	7.3	28.7	0.0	2.0	6.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	0.0	1.3	0.0	0.0	5.3	3.3	0.0	0.0	0.0	2.0	11.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	1.3	36.0	5.3	3.4	9.3	8.0	13.72
88SJB3712	4.7	12.0	0.0	3.3	31.3	0.0	3.3	11.3	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	5.3	0.0	0.0	0.7	0.0	3.3	1.3	0.0	0.0	0.0	1.3	9.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	2.0	34.6	3.3	4.0	8.0	14.6	14.78
88SJB3713	6.0	6.7	0.0	1.3	37.3	0.0	6.7	10.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.7	0.0	0.7	0.0	0.0	4.7	5.3	1.3	0.0	0.0	0.0	6.7	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.7	38.6	4.7	2.7	6.7	17.4	15.47
88SJB3714	3.3	13.3	0.0	5.3	35.3	0.0	2.7	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	5.3	0.0	0.7	0.7	0.0	6.0	2.0	0.0	0.0	0.0	2.7	4.7	0.0	4.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	2.7	1.4	40.6	6.0	2.0	8.1	8.7	16.31
88SJB3715	6.0	7.3	0.7	4.0	36.7	0.0	0.7	14.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	4.7	0.0	0.0	0.7	0.0	4.7	2.7	0.7	0.0	0.0	0.0	6.0	0.7	2.7	0.0	0.0	0.0	0.7	0.0	0.7	0.0	1.3	1.4	40.7	4.7	3.4	7.4	14.7	17.50
88SJB3716	1.3	14.0	0.0	6.7	42.7	0.0	2.7	8.7	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.0	2.0	0.0	2.0	0.7	0.0	1.3	2.0	0.0	0.0	0.0	2.7	5.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	49.4	1.3	2.1	6.7	11.4	18.75
88SJB3717	3.3	13.3	0.0	4.7	33.3	0.0	2.7	11.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	1.3	0.0	0.7	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.7	12.0	0.0	1.3	0.0	0.0	0.0	0.7	0.0	2.0	0.7	2.7	3.4	38.0	0.0	0.7	6.0	14.0	19.35
88SJB3719	3.3	9.3	0.0	4.0	50.7	0.0	2.0	4.0	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	1.3	4.7	0.0	1.3	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	6.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.7	54.7	0.7	2.7	8.6	6.0	20.1
88SJB3720	2.7	33.3	0.0	2.0	35.3	0.0	0.0	5.3	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.7	0.0	0.7	2.0	1.3	0.0	0.0	0.0	6.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	37.3	0.7	3.4	4.7	5.3	20.7
88SJB3718	2.7	8.7	0.0	4.0	36.7	0.0	2.0	6.7	3.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.0	0.0	1.3	0.7	0.0	1.3	5.3	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.7	2.7	4.1	40.7	1.3	4.0	8.7	8.7	21.18

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pa	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB3801	6.0	8.7	0.0	6.0	33.3	0.0	1.3	10.0	2.0	0.0	0.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0	0.0	0.7	12.0	0.0	7.3	0.0	0.0	0.0	0.0	0.0	2.0	2.7	1.3	4.7	39.3	2.7	2.7	0.0	11.3	1.07
88SJB3807	2.7	12.7	0.0	2.0	42.0	0.7	0.0	7.3	0.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	4.7	3.3	0.0	1.3	0.0	0.0	1.3	7.3	0.0	0.0	0.0	0.0	6.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	1.3	2.7	44.7	1.3	1.4	9.3	7.3	7.69
88SJB3808	2.7	10.7	0.0	1.3	29.3	0.0	2.0	10.7	3.3	2.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	5.3	4.0	0.0	0.0	0.0	0.0	3.3	4.0	0.7	0.0	0.0	2.0	9.3	0.7	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	4.0	1.4	30.6	3.3	6.6	9.3	12.7	9.45
88SJB3809	4.0	11.3	0.0	2.7	38.0	0.0	4.7	8.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	5.3	2.7	0.0	0.0	0.0	0.0	2.7	3.3	1.3	0.0	0.7	0.0	5.3	0.0	2.7	0.7	0.0	0.0	0.0	0.7	1.3	2.0	1.3	4.0	40.7	2.7	1.3	8.0	12.7	10.82
88SJB3810	2.0	10.7	0.0	2.7	40.0	0.0	0.0	6.0	2.0	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	4.7	4.0	0.0	1.3	1.3	0.0	5.3	1.3	0.0	0.0	0.0	2.7	8.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	2.0	42.7	5.3	4.0	11.3	6.0	12.65
88SJB3811	0.7	8.0	0.0	1.3	40.0	0.0	1.3	7.3	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	2.0	4.7	4.0	0.0	1.3	0.0	0.0	4.0	5.3	0.7	0.0	0.0	0.7	11.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	2.0	2.1	41.3	4.0	3.3	12.0	8.6	13.87
88SJB3812	2.0	6.0	0.0	5.3	37.3	0.0	1.3	5.3	3.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.7	0.0	0.7	0.0	0.0	1.3	2.0	0.0	0.7	0.0	2.0	12.7	0.7	0.0	0.0	0.0	0.0	2.7	0.0	4.0	2.0	2.7	8.7	42.6	1.3	4.6	7.4	6.6	15.09
88SJB3813	3.3	9.3	0.0	2.0	51.3	0.0	0.0	5.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	2.0	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	10.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	4.0	1.3	2.0	6.0	53.3	2.0	1.3	5.4	5.3	16.31
88SJB3814	2.0	14.0	0.0	3.3	46.7	0.0	1.3	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	2.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.7	13.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	2.0	2.0	50.0	1.3	0.7	6.7	4.6	17.53
88SJB3901	5.3	8.7	0.0	12.7	35.3	0.0	1.3	7.3	2.0	2.0	0.7	0.0	0.0	0.7	0.0	0.0	1.3	2.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	8.0	0.0	3.3	0.0	0.0	0.0	1.3	0.7	0.7	1.3	2.7	4.0	48.0	0.0	4.7	4.6	8.6	1.52
88SJB3902	4.7	14.0	0.0	9.3	33.3	0.0	0.7	10.0	0.7	0.0	2.0	0.0	0.0	0.7	0.0	0.0	0.7	2.7	3.3	0.0	0.7	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	1.3	0.0	0.0	0.0	0.0	0.7	1.3	2.0	1.3	4.0	42.6	4.0	2.7	7.4	10.7	2.36
88SJB3907	7.3	11.3	0.0	1.3	28.7	0.0	2.0	6.7	4.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.7	4.0	2.7	0.0	0.7	0.0	0.7	10.0	1.3	0.7	0.0	0.0	0.7	9.3	0.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.7	30.0	10.7	4.7	8.1	8.7	6.93
88SJB3908	3.3	8.0	0.0	2.0	28.0	0.0	5.3	9.3	3.3	0.7	0.7	0.0	0.7	0.0	0.0	0.0	1.3	3.3	2.7	0.0	0.0	0.0	0.7	8.7	5.3	0.7	0.0	0.0	1.3	6.0	2.0	0.7	0.0	0.0	0.0	0.0	0.7	1.3	2.0	2.0	4.0	30.0	9.4	4.7	7.3	14.6	8.08
88SJB3909	2.0	16.0	0.0	0.7	38.7	0.0	1.3	11.3	2.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.0	0.0	0.7	0.0	0.0	6.7	2.7	0.0	0.0	0.0	1.3	5.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.0	2.6	39.4	6.7	2.7	4.1	12.6	8.76
88SJB3910	6.0	14.0	0.0	3.3	32.0	0.0	0.7	7.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.7	2.7	0.0	0.0	0.7	0.0	3.3	1.3	0.0	0.7	0.0	2.7	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.7	35.3	3.3	0.7	10.8	8.0	10.52
88SJB3911	1.3	14.6	0.0	2.0	34.4	0.0	1.3	8.6	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.0	3.3	0.0	0.7	0.0	0.0	6.6	2.6	0.0	0.0	0.0	2.0	12.6	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	2.6	2.1	36.4	6.6	1.3	6.0	9.9	11.43
88SJB3912	5.3	7.3	0.0	3.3	30.0	0.0	3.3	6.0	3.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	4.0	5.3	0.0	0.7	0.0	0.0	8.7	4.7	0.0	0.0	0.0	2.0	9.3	1.3	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.4	33.3	8.7	4.0	11.3	9.3	12.42
88SJB3913	2.7	16.0	0.0	2.0	38.0	0.0	2.7	4.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	4.0	0.0	0.7	0.0	0.0	7.3	1.3	0.0	0.0	0.0	0.7	10.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.0	0.7	40.0	7.3	2.0	8.0	7.4	13.26
88SJB3914	3.3	27.8	0.0	0.0	45.7	0.0	0.7	2.6	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	2.6	1.3	0.0	0.0	0.0	0.7	6.6	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	45.7	2.6	0.7	4.0	3.3	14.10
88SJB3915	5.3	14.7	0.0	4.0	38.0	0.0	2.0	5.3	2.0	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	2.7	4.7	0.0	0.0	0.7	0.0	3.3	2.0	0.0	0.0	0.7	0.7	6.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	42.0	3.3	4.1	8.1	7.3	14.55
88SJB3916	5.3	10.0	0.0	1.3	38.7	0.0	3.3	6.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.0	5.3	0.0	0.0	0.0	0.0	6.7	3.3	0.0	0.0	0.0	0.7	8.7	0.0	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	40.0	6.7	1.4	10.6	9.3	16.08
88SJB3917	4.7	8.7	0.0	1.3	32.0	0.0	5.3	8.7	0.0	0.7	0.0	0.7	0.7	0.0	0.0	0.0	0.0	2.0	2.0	0.0	0.7	0.7	0.0	10.0	1.3	0.0	0.0	0.7	2.7	14.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.3	33.3	10.0	1.4	5.4	14.0	17.37
88SJB3918	4.7	14.0	0.0	0.7	38.0	0.0	2.7	10.0	3.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	2.7	2.7	0.0	1.3	0.7	0.0	3.3	4.7	0.7	0.0	0.0	0.7	4.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	2.0	2.1	38.7	3.3	4.0	8.1	12.7	18.67
88SJB3919	2.7	13.3	0.0	4.7	45.3	0.0	2.7	5.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.0	0.7	0.0	0.0	2.7	1.3	0.0	0.0	0.0	0.0	9.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	2.0	2.7	50.0	2.7	2.0	3.4	8.0	19.58
88SJB3920	6.0	8.7	0.0	4.7	38.0	0.0	3.3	9.3	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.7	0.7	0.0	0.0	0.0	0.0	2.7	2.7	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.0	2.7	4.7	42.7	2.7	2.0	6.1	12.6	20.88
88SJB3921	2.0	10.7	0.0	0.7	47.3	0.0	2.0	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.7	0.0	0.7	0.0	0.0	6.7	6.0	0.0	0.7	0.0	0.0	6.7	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	2.0	48.0	6.7	0.7	5.4	6.7	22.40
88SJB3922	3.3	12.7	0.0	2.0	42.0	0.0	1.3	0.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	4.7	0.0	0.0	0.0	0.0	14.7	0.7	0.0	0.0	0.0	0.7	6.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	44.0	14.7	4.7	7.4	2.0	23.93
88SJB3923	4.0	8.7	0.0	2.7	33.3	0.0	1.3	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.7	0.0	1.3	27.3	2.7	0.0	0.0	0.0	2.0	4.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	36.0	28.6	0.7	2.7	5.3	24.69
88SJB3924	2.7	10.7	0.0	2.0	58.0	0.0	0.0	6.7	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0	0.0	4.7	0.7	0.0	0.0	0.0	2.0	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	60.0	4.7	1.4	3.4	6.7	25.76
88SJB4001	7.3	10.0	0.0	6.0	20.0	0.0	3.3	8.0	4.7	0.7	1.3	0.0	1.3	0.0	0.0	0.0	1.3	0.0	6.0	0.0	1.3	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.7	10.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	3.3	6.0	3.3	9.3	26.0	0.7	6.7	8.6	11.3	1.14
88SJB4003	2.0	13.3	0.0	7.3	26.7	0.0	5.3	4.0	2.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	6.0	7.3	0.0	2.0	0.7	0.0	0.7	0.7	0.0	0.7	0.0	0.7	10.7	0.0	4.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	1.4	34.0	0.7	4.7	16.0	9.3	2.13
88SJB4004	4.0	8.7	0.0	10.0	30.0	0.0	3.3	7.3	6.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7	1.3	5.3	4.0	0.0	0.7	1.3	0.0	2.7	0.7	0.0	0.0	0.0	0.7	5.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	1.3	40.0	2.7	8.0	12.6	10.6	2.90
88SJB4006	1.3	8.0	0.0	5.3	37.3	0.0	4.7	2.0	9.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	6.0	0.0	0.7	1.3	0.0	0.7	3.3	0.0	0.0	0.0	0.0	12.0	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.7	0.7	42.6	0.7	10.6	12.0	6.7	4.80
88SJB4007	2.0	5.3	0.7	3.3	39.3	0.7	4.7	4.7	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	4.0	0.0	1.3	1.3	1.3	2.0	0.7	0.0	0.0	0.0	0.7	14.7	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	0.0	1.3	0.7	43.3	3.3	5.4	11.3	9.4	5.64
88SJB4009	0.0	10.7	0.0	3.3	36.7	0.0	2.7	4.7	3.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	4.7	5.3	0.0	0.0	1.3	0.7	6.0	0.0	0.0	0.0	0.0	0.7	10.7	2.0	1.3	0.0	0.0	0.0	0.7	0.0	1.3	0.7	0.7	2.7	40.0	6.7	4.6	12.6	7.4	7.62
88SJB4010	2.7	12.0	0.0	2.7	49.3	0.0	3.3	2.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	1.3	0.0	0.7	1.3	0.0	1.3	2.0	0.0	0.0	0.0	0.0	7.3	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	2.0	1.3	4.1	52.0	1.3	3.3	6.7	6.0	8.76
88SJB4024	2.0	12.0	0.0	4.7	48.0	0.0	0.0	4.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	5.3	0.0	0.0	0.7	0.0	2.0	3.3	0.7	0.0	0.0	0.0	8.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	52.7	2.0	2.0	10.0	4.7	9.5
88SJB4011	0.7	10.7	0.0	4.0	44.7	0.7	2.7	6.7	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	2.0	0.0	0.7	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	11.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.0	1.4	49.4	3.3	3.3	6.7	9.4	9.91
88SJB4012	0.7	8.0	0.0	6.7	44.7	0.0	2.7	4.7	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	0.7	0.0	0.0	0.7	0.0	6.0	1.3	0.0	0.0	0.0	0.7	6.0	0.0	1.3	0.0	0.0	0.0	0.0	0.7	0.7	1.3	2.7	2.7	51.4	6.0	6.0	6.1	7.4	11.20
88SJB4013	5.3	11.3	0.0	1.3	18.7	0.0	2.0	6.7	8.7	3.3	0.7	1.3	1.3	0.0	0.0	0.0	0.0	5.3	6.7	0.0	0.0	0.0	0.0	4.7	4.0	1.3	0.0	0.0	0.7	9.3	0.0	1.3	0.7	0.0	0.0	0.0	0.0	1.3	2.0	2.0	3.3	20.0	4.7	14.0	12.0	8.7	12.65
88SJB4014	5.3	15.3	0.0	2.0	36.0	0.0	2.7	10.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	4.0	0.0	0.0	0.0	0.0	6.7	3.3	1.3	0.0	0.0	2.0	3.3	0.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	38.0	6.7	0.7	6.0	12.7	14.10
88SJB4015	3.3	14.7	0.0	2.0	20.0	0.0	6.0	11.3	5.3	0.0	0.0	1.3	0.7	0.0	0.0	0.0	1.3	1.3	9.3	0.0	0.0	0.0	0.0	6.0	3.3	0.7	0.0	0.0	2.7	6.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	22.0	6.0	6.6	11.9	17.3	16.08

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB4016	2.7	16.0	0.0	0.7	36.7	0.0	3.3	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.7	2.7	0.0	0.0	0.0	0.0	4.0	4.7	2.7	0.0	0.0	0.7	6.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	2.7	37.4	4.0	2.0	6.7	12.0	17.07
88SJB4017	10.7	16.7	0.0	1.3	32.0	0.0	2.0	6.0	1.3	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	3.3	2.0	0.0	0.0	0.0	0.0	2.0	3.3	0.7	0.0	0.0	0.7	10.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.7	33.3	2.0	2.0	5.3	8.0	18.14
88SJB4018	0.0	12.0	0.0	1.3	70.7	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.7	0.0	1.3	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.7	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0	2.0	2.0	6.0	0.7	19.35
88SJB4019	2.0	23.3	0.0	0.7	48.0	0.0	0.7	2.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	1.3	0.0	0.0	0.0	0.0	3.3	0.7	2.0	0.0	0.0	0.7	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	48.7	3.3	2.7	5.3	2.7	21.21
88SJB4020	1.3	17.3	0.7	2.0	54.0	0.0	1.3	2.7	0.7	0.0	0.7	0.0	0.0	0.7	0.0	0.0	0.7	1.3	2.7	0.0	0.7	0.0	0.0	4.0	2.0	0.0	0.0	0.0	0.7	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	56.0	4.0	1.4	5.4	4.0	22.71
88SJB4021	0.7	15.2	0.0	3.3	62.9	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	66.2	4.0	1.3	4.7	2.0	23.16
88SJB4022	1.3	10.0	0.0	3.3	57.3	0.0	2.7	2.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	3.3	0.7	0.0	0.0	0.0	0.0	4.7	0.7	0.0	0.0	0.0	1.3	6.0	0.0	1.3	0.0	0.0	0.0	0.0	0.7	0.0	1.3	1.3	2.0	60.6	4.7	2.0	4.0	4.7	23.85
88SJB4023	3.3	18.0	0.0	0.7	52.7	0.0	2.0	1.3	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.0	0.0	0.0	0.0	0.0	6.7	0.7	0.0	0.0	0.0	0.0	5.3	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	53.4	6.7	1.4	4.6	3.3	24.54
88SJB4101	2.7	8.0	0.0	14.0	34.7	0.0	1.3	4.0	6.7	1.3	0.7	0.0	2.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.7	10.0	0.0	4.7	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.7	1.4	48.7	0.0	8.7	2.0	5.3	1.30
88SJB4102	0.7	8.7	0.0	14.0	33.3	0.0	2.0	10.0	7.3	2.0	0.7	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	2.0	3.3	0.0	0.0	0.0	0.7	6.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.3	2.7	2.6	47.3	2.0	10.0	1.4	12.0	1.98
88SJB4103	2.0	27.3	0.0	13.3	24.0	0.0	1.3	4.7	4.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	12.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	37.3	0.0	6.0	2.7	6.0	2.82
88SJB4105	2.0	13.3	0.0	21.3	31.3	0.0	2.7	7.3	4.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	1.3	1.3	3.3	0.0	0.7	0.0	0.0	0.7	0.7	0.7	0.0	0.7	0.0	4.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	0.7	5.4	6.6	10.0	3.87
88SJB4106	1.3	13.3	0.0	8.0	34.0	0.0	0.0	3.3	6.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	7.3	0.0	0.7	0.0	0.0	2.7	2.0	0.0	0.0	0.0	0.7	8.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.4	42.0	2.7	9.4	13.4	3.3	5.91
88SJB4107	3.3	11.3	0.0	13.3	27.3	0.0	1.3	5.3	5.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	10.0	0.0	0.0	1.3	0.0	2.0	1.3	0.7	0.0	0.0	0.0	7.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	40.6	2.0	8.6	15.3	6.6	6.55
88SJB4108	2.7	10.0	0.0	1.3	29.3	0.0	2.7	12.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	2.0	0.7	0.7	0.0	0.0	5.3	6.7	1.3	0.0	0.0	0.0	16.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	30.6	5.3	2.0	6.7	15.4	8.69
88SJB4109	2.7	11.3	0.0	3.3	29.3	0.0	3.3	5.3	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	6.7	0.0	0.7	0.7	0.0	6.0	2.7	0.0	0.0	0.0	0.7	9.3	3.3	3.3	0.0	0.0	0.0	0.0	0.7	0.7	2.0	2.7	3.4	32.6	6.0	4.7	8.8	8.6	10.06
88SJB4110	2.7	12.7	0.7	4.0	28.0	0.0	0.0	5.3	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.0	3.3	4.7	0.0	0.7	0.0	0.7	12.0	2.0	0.7	0.0	0.0	2.0	12.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	32.0	12.7	2.0	10.7	5.3	11.13
88SJB4111	3.3	10.7	0.0	2.0	28.7	0.0	0.7	5.3	2.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	3.3	4.0	0.0	0.0	0.7	0.0	13.3	4.7	0.0	0.7	0.0	0.7	8.7	1.3	2.7	0.0	0.0	0.0	0.7	0.7	0.0	0.7	2.7	2.1	30.7	13.3	3.4	9.3	6.0	12.04
88SJB4112	2.0	7.3	0.0	1.3	42.7	0.0	1.3	4.7	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	5.3	0.0	2.0	0.0	1.3	5.3	3.3	0.0	0.0	0.0	0.7	12.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.7	44.0	6.6	3.3	8.6	6.0	13.56
88SJB4113	3.3	7.3	0.0	3.3	39.7	0.0	1.3	7.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	3.3	0.0	0.0	0.0	0.0	11.3	0.7	0.0	0.0	0.0	1.3	9.9	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	1.3	1.4	43.0	11.3	3.3	5.9	8.6	14.02
88SJB4115	0.0	2.0	0.0	0.7	4.7	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	4.0	82.0	1.3	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	86.0	0.0	2.7	1.3	17.30
88SJB4116	0.0	3.3	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	6.0	72.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	5.3	78.0	0.0	9.3	0.0	18.44
88SJB4302	2.7	10.7	0.0	1.3	33.3	0.0	2.0	10.0	2.0	1.3	0.0	0.7	6.0	0.0	0.0	1.3	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	15.3	1.3	2.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	34.6	0.7	4.0	5.4	12.0	3.12
88SJB4305	2.7	10.0	0.0	2.0	38.7	0.0	2.0	3.3	3.3	0.0	0.0	0.0	0.0	0.7	0.0	0.0	3.3	6.0	1.3	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	15.3	2.0	3.3	0.0	0.0	0.0	0.0	0.0	0.7	2.0	1.3	2.7	40.7	0.7	3.3	11.3	5.3	12.30
88SJB4306	7.3	8.7	0.0	3.3	40.0	0.0	1.3	8.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	4.7	3.3	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	8.7	4.0	2.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.7	0.7	43.3	0.7	2.1	8.7	10.0	15.39
88SJB4307	4.0	13.3	0.0	3.3	45.3	0.7	2.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	0.7	0.0	0.7	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.7	10.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.7	49.3	0.7	0.0	6.1	8.0	17.68
88SJB4308	4.0	20.0	0.0	0.7	51.3	0.0	0.7	1.3	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	2.7	0.7	0.0	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	6.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	52.0	0.7	1.3	6.1	2.0	19.96
88SJB4309	6.7	12.0	0.0	5.3	38.7	0.0	4.0	5.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	3.3	0.0	0.0	0.7	0.7	2.0	0.0	0.0	0.0	0.0	0.0	10.0	2.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	0.7	44.0	2.7	2.7	7.3	9.3	21.49
88SJB4310	2.0	19.3	0.0	2.7	37.3	0.0	1.3	6.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.7	3.3	0.0	0.0	0.0	0.0	2.0	2.7	0.7	0.0	0.0	0.0	8.7	0.7	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	40.0	2.0	2.7	10.0	8.0	22.40
88SJB4311	5.3	20.7	0.0	0.7	41.3	0.0	0.0	11.3	2.0	0.0	0.7	0.7	0.0	0.7	0.0	0.0	0.7	3.3	1.3	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	5.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	42.0	0.7	3.4	5.3	11.3	23.01
88SJB4312	2.7	14.7	0.0	0.0	28.0	0.0	2.0	13.3	4.7	0.0	0.0	0.0	0.0	1.3	0.0	0.0	4.0	1.3	0.7	0.0	0.0	0.7	0.0	0.0	1.3	0.0	0.0	0.0	0.7	16.0	0.0	0.7	0.7	0.0	0.0	4.0	0.7	0.0	0.0	2.7	4.7	28.0	0.0	4.7	6.7	15.3	24.23
88SJB4322	0.0	7.3	0.0	4.6	30.5	0.0	0.7	12.6	1.3	3.3	0.0	0.7	0.0	0.0	0.0	0.0	0.7	4.0	4.6	0.0	0.7	0.0	0.0	2.0	1.3	0.0	0.0	0.0	1.3	17.9	0.0	2.6	0.0	0.0	0.0	0.7	1.3	0.0	0.7	0.7	2.7	35.1	2.0	5.3	10.0	13.3	25.7
88SJB4313	2.0	8.0	0.0	0.7	40.7	0.0	1.3	9.3	4.7	2.7	0.0	0.0	0.0	2.0	0.0	0.0	2.7	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.0	0.0	1.3	12.0	0.0	2.0	0.7	0.0	0.0	0.7	0.0	0.0	2.7	3.3	3.4	41.4	0.0	7.4	4.8	10.6	26.06
88SJB4314	3.3	9.3	0.0	1.3	34.0	0.0	2.7	10.0	3.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	1.3	7.3	0.0	0.0	0.0	2.7	13.3	0.7	1.3	0.0	0.0	0.0	0.7	1.3	2.0	1.3	0.0	5.3	35.3	1.3	4.6	2.7	12.7	26.97
88SJB4315	0.7	9.3	0.0	1.3	26.0	0.0	2.7	13.3	4.7	0.0	0.0	0.7	1.3	0.0	0.0	0.0	3.3	4.7	3.3	0.0	0.0	0.0	0.0	0.7	6.0	0.0	0.0	0.0	0.0	10.7	1.3	1.3	0.0	0.0	0.0	2.0	0.0	1.3	2.0	3.3	5.3	27.3	0.7	5.4	11.3	16.0	28.12
88SJB4317	0.7	13.3	0.0	0.7	6.7	0.0	2.0	58.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	9.3	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	7.4	0.7	1.3	0.7	60.0	29.81
88SJB4401	3.3	8.7	0.0	6.7	48.0	0.0	4.7	4.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.7	10.7	0.7	4.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	2.7	1.4	54.7	0.7	0.7	1.4	9.4	1.22
88SJB4402	2.0	8.0	0.0	4.7	48.7	0.0	4.0	6.7	5.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	14.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	53.4	0.0	6.0	0.7	10.7	2.36
88SJB4404	2.7	15.3	0.0	2.7	36.0	0.0	1.3	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	3.3	0.0	0.0	1.3	0.0	0.7	5.3	0.0	0.0	0.0	1.3	11.3	0.0	4.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	38.7	0.7	2.0	7.3	10.0	4.27
88SJB4405	0.7	9.9	0.0	1.3	19.9	0.0	0.0	42.4	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.7	0.0	0.0	0.0	7.9	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	2.6	1.4	21.2	0.0	3.3	4.7	42.4	4.95
88SJB4406	4.7	14.7	0.0	1.3	48.7	0.0	2.7	11.3	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.7	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	4.0	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	50.0	0.0	1.4	4.7	14.0	4.72

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hl	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB4502	0.0	15.3	0.0	2.0	45.3	0.0	1.3	8.7	4.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.7	1.3	1.3	0.0	0.0	0.0	0.0	0.0	4.7	0.7	0.0	0.0	0.7	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.0	0.7	47.3	0.0	4.0	5.3	10.0	5.33
88SJB4503	2.0	17.3	0.0	1.3	32.0	0.0	1.3	4.7	4.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	0.0	10.7	0.0	0.0	0.0	0.0	16.7	0.0	1.3	0.0	0.0	0.0	0.0	1.3	0.0	0.0	2.7	1.3	33.3	0.0	4.7	3.4	6.0	7.77
88SJB4511	1.3	12.0	0.0	3.3	46.0	0.0	1.3	7.3	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	5.3	2.0	2.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.7	8.7	0.0	2.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	49.3	0.7	2.7	9.3	8.6	9.60
88SJB4509	6.7	12.0	0.0	5.3	20.0	0.0	3.3	9.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.7	16.7	8.0	0.0	1.3	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	4.7	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	25.3	0.7	0.7	28.7	12.6	22.40
88SJB4601	2.0	12.6	0.0	9.9	37.7	0.0	2.0	4.0	6.6	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.7	14.6	1.3	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	0.7	47.6	0.7	6.6	1.3	6.0	1.45
88SJB4603	2.0	17.3	0.0	1.3	36.0	0.0	1.3	10.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	8.7	0.0	0.0	0.0	0.7	8.0	0.0	2.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	2.0	2.1	37.3	1.3	2.0	4.6	12.0	3.89
88SJB4604	0.7	16.7	0.0	2.7	46.0	0.0	0.7	2.0	5.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.7	3.3	0.7	0.0	0.0	0.0	15.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	48.7	0.7	6.0	3.4	2.7	5.33
88SJB4610	0.0	7.3	0.0	2.0	36.0	0.0	0.7	11.3	2.0	1.3	0.0	0.0	1.3	0.0	0.0	0.0	6.7	0.7	3.3	0.0	0.7	0.0	0.0	0.0	2.0	0.7	0.0	0.0	1.3	15.3	0.0	0.7	0.0	0.0	0.0	2.0	0.0	1.3	0.7	2.7	4.0	38.0	0.0	3.3	11.4	12.0	30.48
88SJB4611	0.7	12.7	0.0	3.3	36.0	0.0	4.0	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	1.3	1.3	0.0	0.0	0.0	0.0	1.3	4.7	0.7	0.0	0.0	2.7	10.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	2.7	1.4	39.3	1.3	2.0	7.3	12.7	33.07
88SJB4703	5.3	12.7	0.0	4.0	35.3	0.0	2.0	13.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	1.3	0.0	0.0	0.7	10.7	0.0	2.7	0.0	0.0	0.0	1.3	0.0	0.7	0.7	1.3	2.7	39.3	0.0	0.7	2.0	15.3	13.26
88SJB4704	2.0	18.0	0.0	2.7	46.7	0.0	0.7	7.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.0	0.0	0.0	0.7	9.3	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.0	1.4	49.4	0.0	1.4	2.7	8.0	14.48
88SJB4705	4.0	18.7	0.0	2.7	36.7	0.0	2.7	18.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	5.3	1.3	0.0	0.0	0.7	4.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	39.4	0.0	0.7	2.0	21.4	16.00
88SJB4706	0.7	9.3	0.0	6.7	46.7	0.0	2.7	8.7	1.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.7	11.3	0.7	1.3	0.0	0.0	0.0	1.3	0.0	1.3	0.7	0.0	3.3	53.4	0.7	3.3	0.7	11.4	17.22
88SJB4707	6.0	16.7	0.0	2.7	38.7	0.7	4.0	12.7	0.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0	2.7	0.7	0.0	0.0	0.0	6.7	0.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	42.1	0.0	2.7	2.1	16.7	17.98
88SJB4708	2.0	11.3	0.0	1.3	42.7	0.0	2.0	5.3	4.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.7	0.0	0.0	0.7	17.3	0.0	2.0	0.0	0.0	0.0	0.0	1.3	0.7	0.7	1.3	2.7	44.0	0.0	6.0	0.7	7.3	19.20
88SJB4713	1.3	12.0	0.0	9.3	34.7	0.0	8.7	7.3	3.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	1.3	0.0	1.3	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	8.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.3	2.0	2.0	44.0	0.0	5.3	6.0	16.0	20.42
88SJB4714	7.3	14.0	0.0	8.0	44.0	0.0	1.3	9.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.0	4.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	52.0	0.7	1.4	2.0	10.6	20.9
88SJB4709	2.7	16.0	0.0	3.3	38.0	0.0	2.7	18.7	0.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	5.3	0.0	2.0	0.0	0.0	0.0	0.7	1.3	0.0	1.3	0.0	3.3	41.3	0.0	1.4	1.4	21.4	21.56
88SJB4710	3.3	15.3	0.0	2.0	34.7	0.7	2.0	16.7	3.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	5.3	1.3	0.0	0.0	0.7	5.3	0.0	2.7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.3	2.0	37.4	0.0	3.3	2.0	18.7	23.09
88SJB4711	3.3	17.3	0.0	1.3	40.7	0.0	6.0	10.0	2.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	8.7	2.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.0	0.7	42.0	0.0	2.7	2.7	16.0	25.30
88SJB4712	1.3	13.3	0.0	6.7	46.0	0.0	3.3	7.3	2.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	0.7	1.3	0.0	0.7	0.0	0.0	0.0	3.3	1.3	0.0	0.0	0.0	8.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	52.7	0.0	3.4	4.0	10.6	26.67
88SJB4803	2.7	8.7	0.0	4.0	44.0	0.0	1.3	10.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	9.3	2.0	0.0	0.0	0.0	6.7	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	48.0	0.0	3.4	2.0	11.3	10.52
88SJB4805	2.0	8.7	0.0	5.3	34.7	0.0	0.7	6.7	4.7	0.7	2.0	0.0	0.7	0.0	0.0	0.0	0.7	3.3	2.0	0.0	1.3	0.0	0.0	0.0	5.3	1.3	0.0	0.0	0.7	16.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	40.0	0.0	7.4	7.3	7.4	11.43
88SJB4804	4.7	16.7	0.0	4.7	42.0	0.0	3.3	6.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	8.0	0.7	4.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.7	1.4	46.7	0.0	1.3	2.6	9.3	12.04
88SJB4905	2.7	12.0	0.0	3.3	36.7	0.7	2.7	12.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	16.0	0.0	3.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	2.0	1.4	40.7	0.0	3.3	2.7	14.7	7.77
88SJB4906	5.3	16.0	0.7	2.7	34.7	0.0	2.7	11.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.7	4.7	2.0	0.0	0.0	0.7	7.3	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.0	1.4	37.4	0.7	2.0	2.6	14.0	9.30
88SJB4907	2.7	11.3	0.0	2.0	41.3	0.7	2.7	10.7	2.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	1.3	10.0	0.0	4.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	2.0	1.4	44.0	0.0	2.0	3.3	13.4	9.91
88SJB4908	5.3	12.0	0.0	5.3	38.7	0.0	0.7	9.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.0	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	9.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	44.0	0.0	2.7	4.7	10.0	10.36
88SJB4909	6.0	10.7	0.0	3.3	50.7	0.0	2.0	6.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	1.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.7	5.3	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	1.3	2.1	54.0	0.0	2.0	4.0	8.7	10.82
88SJB5001	3.3	25.3	0.0	2.0	33.3	0.0	2.7	18.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.7	0.0	0.0	0.7	4.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	35.3	0.0	0.7	0.0	21.4	3.51
88SJB5002	6.0	10.7	0.0	1.3	44.7	0.0	1.3	13.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.7	6.7	0.0	4.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	2.7	1.4	46.0	0.0	2.0	2.0	14.6	4.72
88SJB5003	3.3	17.3	0.0	0.7	36.0	0.0	1.3	14.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	8.7	0.7	0.0	0.0	1.3	6.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.7	2.7	1.4	36.7	0.0	2.0	3.4	15.3	5.64
88SJB5004	1.3	24.7	0.0	1.3	34.7	0.0	4.7	14.7	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3	4.7	0.0	4.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.7	36.0	0.0	3.3	0.7	19.4	6.55
88SJB5005	3.3	14.7	0.0	0.0	34.7	0.0	3.3	20.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.7	0.0	0.0	0.0	4.0	2.0	0.0	0.0	0.7	8.7	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.7	0.0	2.0	1.4	34.7	0.0	1.3	2.7	23.3	7.85
88SJB5006	2.7	20.7	0.0	0.0	22.7	0.0	4.0	18.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	2.0	0.0	0.0	1.3	10.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	1.3	2.0	22.7	0.0	2.0	0.7	22.7	8.69
88SJB5007	4.7	24.0	0.0	3.3	26.7	0.0	4.0	16.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	0.0	4.0	0.7	0.0	0.0	0.7	5.3	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.7	30.0	0.0	2.0	3.4	20.0	9.14
88SJB5008	4.0	19.3	0.0	0.7	35.3	0.0	2.7	12.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	4.0	1.3	0.7	0.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.7	4.7	0.0	3.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	3.3	1.4	36.0	0.0	2.0	6.7	14.7	9.60
88SJB5009	0.0	3.3	0.0	1.3	10.0	0.0	0.7	0.0	2.0	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	55.3	0.7	0.7	0.7	1.3	4.7	3.4	11.3	0.0	3.4	0.7	0.7	11.13
88SJB5107	6.7	18.7	0.7	1.3	30.0	0.0	4.7	16.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	3.3	2.7	0.0	0.0	2.0	6.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	31.3	0.0	0.7	4.0	21.4	20.73

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hl	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB5108	8.0	17.3	0.0	4.7	26.7	0.0	3.3	9.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	13.3	2.7	0.0	0.0	0.0	5.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	31.4	0.0	2.7	2.0	12.6	21.64
88SJB5109	0.0	16.0	0.0	1.3	40.0	0.0	0.0	11.3	4.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	9.3	0.0	0.0	0.0	0.0	8.7	0.0	1.3	0.0	0.0	0.0	0.0	0.7	0.0	0.7	2.0	1.4	41.3	0.0	5.4	3.3	11.3	22.71
88SJB5110	2.7	8.7	0.0	0.7	42.7	0.0	2.7	17.3	3.3	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7	1.3	1.3	0.0	0.7	0.0	0.0	0.0	6.7	0.7	0.0	0.0	0.7	4.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	43.4	0.0	4.0	4.0	20.0	23.47
88SJB5111	3.3	14.0	0.0	0.7	25.3	0.0	0.7	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	1.3	0.0	0.0	1.3	7.3	2.0	0.0	0.0	0.7	18.0	0.0	0.7	0.0	0.0	0.0	0.0	3.3	0.7	0.0	2.0	4.0	26.0	1.3	4.0	4.6	12.0	24.84
88SJB5112	5.3	7.3	0.0	6.7	36.0	0.0	1.3	14.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	0.0	0.7	0.0	0.0	0.0	7.3	2.0	0.0	0.0	0.7	9.3	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	42.7	0.0	1.4	5.4	15.3	26.21
88SJB5114	1.3	10.7	0.0	3.3	48.0	0.0	3.3	6.0	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	8.7	2.0	0.0	0.0	0.7	8.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.4	51.3	0.0	2.7	2.0	9.3	26.4
88SJB5113	3.3	15.2	0.0	3.3	43.7	0.0	3.3	4.6	2.0	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	2.6	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	6.0	1.3	2.6	0.0	0.0	0.0	0.7	0.0	2.6	0.7	2.0	4.0	47.0	0.0	3.3	3.3	7.9	26.67
88SJB5201	5.3	12.6	0.0	5.3	47.0	0.0	1.3	7.3	0.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	0.0	0.7	0.0	0.7	10.6	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	52.3	1.3	1.4	0.0	8.6	0.76
88SJB5211	4.0	14.7	0.0	5.3	40.7	0.0	2.7	11.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.0	0.0	9.3	0.0	3.3	0.0	0.0	0.0	1.3	0.0	0.7	0.7	1.3	2.7	46.0	0.0	1.3	0.0	14.0	21.49
88SJB5207	2.0	16.0	0.0	0.7	36.7	0.0	0.7	9.3	3.3	0.7	0.0	0.0	0.0	0.7	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0	0.7	13.3	0.0	2.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	1.3	2.6	37.4	0.0	4.0	2.0	10.0	23.93
88SJB5208	2.7	14.0	0.0	2.0	30.7	0.0	0.7	12.0	8.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	0.0	0.7	0.0	0.0	0.0	6.0	0.7	0.0	0.0	2.7	8.7	0.0	2.0	0.0	0.0	0.0	2.0	0.7	0.0	0.7	1.3	3.4	32.7	0.0	10.0	3.4	12.7	25.45
88SJB5209	2.7	11.3	0.0	4.0	38.7	0.0	1.3	11.3	2.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	8.0	0.7	0.0	0.0	0.7	12.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7	1.3	42.7	0.0	3.4	1.4	12.6	26.06
88SJB5210	1.3	12.7	0.0	1.3	43.3	0.0	1.3	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	1.3	9.3	0.0	4.7	0.0	0.0	0.0	0.7	0.0	0.7	0.0	1.3	1.4	44.6	0.0	4.0	2.7	12.6	26.97
88SJB5212	2.0	16.0	0.0	1.3	36.7	0.0	4.7	16.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.7	0.0	0.7	8.7	0.0	2.0	0.7	0.0	0.0	0.0	0.7	0.7	0.7	1.3	2.1	38.0	0.0	1.4	2.7	20.7	28.80
88SJB5218	2.0	9.3	0.0	5.3	48.7	0.0	1.3	6.7	2.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	1.3	13.3	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.7	0.0	1.3	1.4	54.0	0.0	2.7	0.7	8.0	29.3
88SJB5213	6.0	12.0	0.0	2.7	37.3	0.0	4.0	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.7	4.0	0.7	0.0	0.0	0.0	10.7	0.0	4.7	0.0	0.0	0.0	0.7	0.0	0.0	1.3	2.7	2.0	40.0	0.7	2.0	2.0	12.7	30.02
88SJB5214	5.3	19.3	0.7	0.7	40.0	0.0	4.0	6.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	10.7	0.0	2.0	0.0	0.0	0.0	1.3	0.0	1.3	0.0	1.3	2.6	40.7	0.0	2.0	2.7	10.0	31.24
88SJB5215	4.7	14.0	0.0	4.0	48.0	0.0	2.7	11.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	6.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	52.0	0.0	3.4	1.3	14.0	32.46
88SJB5216	3.3	10.7	0.0	2.0	27.3	0.0	4.7	16.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	16.0	2.0	0.0	0.0	0.7	9.3	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.7	1.3	1.4	29.3	0.7	2.0	0.7	21.4	32.92
88SJB5217	1.3	32.7	0.0	2.7	29.3	0.0	2.0	9.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	1.3	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	2.0	2.0	32.0	0.0	0.7	4.6	11.3	33.99
88SJB5301	11.3	24.7	0.0	7.3	28.7	0.0	3.3	7.3	2.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.0	0.0	1.3	4.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	36.0	0.0	2.7	0.0	10.6	0.76
88SJB5309	15.3	27.3	0.0	4.0	32.7	0.0	3.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.7	3.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	36.7	0.0	0.0	0.7	9.3	23.01
88SJB5310	2.0	12.0	0.0	2.7	40.7	0.0	5.3	14.7	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.7	10.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	43.4	0.0	1.3	3.3	20.0	23.93
88SJB5311	2.0	11.3	0.0	4.7	43.3	0.0	4.0	11.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.7	5.3	0.7	0.0	0.0	0.0	6.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	48.0	0.7	6.0	2.7	15.3	24.54
88SJB5312	4.0	12.7	0.0	2.0	37.3	0.0	0.7	14.7	5.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	9.3	0.0	0.7	0.7	0.0	0.0	0.7	0.7	0.7	0.0	3.3	2.1	39.3	0.0	6.0	0.7	15.4	25.15
88SJB5313	4.0	9.3	0.0	4.0	42.7	0.0	2.0	10.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.7	0.0	0.0	0.0	0.7	6.7	0.0	2.7	0.0	0.0	0.0	2.0	1.3	0.7	0.7	2.7	4.7	46.7	0.0	3.4	0.0	12.7	25.76
88SJB5314	4.7	11.3	0.0	2.7	45.3	0.0	4.7	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	3.3	2.0	0.0	0.0	1.3	8.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	48.0	1.3	0.0	1.4	16.0	26.21
88SJB5321	4.0	16.0	0.0	2.7	43.3	0.0	2.7	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	3.3	0.7	0.0	0.0	0.0	10.0	0.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	1.3	46.0	0.7	0.0	0.7	15.4	26.3
88SJB5315	6.0	15.3	0.0	4.7	39.3	0.0	6.7	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	0.0	0.0	0.0	0.7	6.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	44.0	0.7	0.0	0.0	20.7	26.67
88SJB5316	2.7	18.0	0.0	2.7	27.3	0.0	4.7	15.3	2.7	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	6.0	2.0	0.0	0.0	0.7	8.7	0.0	0.7	0.0	0.0	0.0	0.7	1.3	0.0	0.7	4.0	2.7	30.0	0.0	3.4	0.7	20.0	26.97
88SJB5317	8.7	0.7	0.0	0.7	2.7	0.0	17.3	47.3	0.0	0.0	0.0	0.0	0.0	16.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	3.4	0.0	0.0	0.0	64.6	27.51
88SJB5319	0.0	2.0	0.0	0.0	5.3	0.0	0.0	4.0	0.0	0.0	0.0	0.0	36.0	8.0	0.0	27.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	13.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	5.3	0.0	0.0	0.7	4.0	28.19
88SJB5320	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.0	1.3	0.0	0.0	0.0	38.7	3.3	0.0	32.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	8.0	0.0	0.0	0.0	0.0	3.3	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7	8.0	1.3	0.7	2.0	28.50
88SJB5401	4.7	11.3	0.0	7.3	57.3	0.0	2.0	6.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	1.3	3.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	64.6	0.0	0.7	0.0	8.0	0.76
88SJB5403	3.3	10.0	0.0	3.3	38.0	0.0	3.3	10.7	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.7	0.0	0.0	0.0	4.7	1.3	0.0	0.0	0.0	0.7	14.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	1.3	1.4	41.3	0.0	4.0	3.4	14.0	5.33
88SJB5404	3.3	10.0	0.0	2.7	44.7	0.0	2.7	5.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	12.0	2.0	2.7	0.7	0.0	0.0	0.0	0.7	0.0	0.7	0.7	1.4	47.4	0.0	4.0	4.1	8.0	7.16
88SJB5405	5.3	16.0	0.0	2.0	34.0	0.0	4.0	16.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	2.7	0.0	0.0	0.0	0.0	4.7	0.7	0.0	0.0	0.7	6.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	36.0	0.0	1.4	5.4	20.0	9.45
88SJB5406	0.0	10.0	0.0	3.3	43.3	0.0	4.7	10.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.7	14.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	1.3	2.7	46.6	0.0	2.0	4.0	14.7	11.43
88SJB5407	4.7	14.0	0.0	2.7	38.7	0.0	2.0	12.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	1.3	16.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.4	0.0	2.0	1.4	14.0	13.26
88SJB5408	2.7	13.3	0.0	4.0	33.3	0.0	8.0	13.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	3.3	11.3	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	37.3	0.0	3.3	1.4	21.3	14.78
88SJB5409	1.3	16.7	0.0	1.3	39.3	0.0	4.0	11.3	1.3	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.0	0.0	1.3	10.7	0.0	1.3	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	40.6	0.0	3.3	2.7	15.3	16.61
88SJB5410	2.6	12.6	0.0	6.0	45.0	0.0	0.7	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.7	15.2	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	1.4	51.0	0.7	0.0	2.0	12.0	18.14

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	DI	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB5411	2.0	8.7	0.0	1.3	26.0	0.0	1.3	22.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	16.0	1.3	0.0	0.0	0.7	8.7	0.0	1.3	0.7	0.0	0.0	0.7	0.0	2.0	0.0	2.7	2.7	27.3	0.0	3.4	0.7	24.0	20.57
88SJB5412	1.3	13.3	0.0	3.3	41.3	0.0	4.7	8.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.7	6.7	2.0	0.7	0.0	0.0	10.7	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.7	1.3	1.3	2.0	44.6	0.7	0.7	1.3	12.7	21.49
88SJB5413	1.3	9.9	0.0	3.3	32.5	0.0	2.6	19.2	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	9.3	1.3	0.0	0.0	0.7	9.3	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	2.7	35.8	0.0	2.7	1.4	21.8	21.95
88SJB5415	6.0	9.3	0.0	0.7	36.7	0.0	1.3	12.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	12.0	1.3	0.0	0.0	0.0	10.7	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.7	2.1	37.4	0.0	3.3	3.4	13.3	22.71
88SJB5507	1.3	5.3	0.7	6.7	39.3	0.0	1.3	10.7	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.7	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.7	17.3	0.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	1.3	0.0	2.6	46.0	0.0	4.7	2.7	12.0	21.49
88SJB5508	2.7	7.3	0.0	0.7	40.0	0.0	6.0	10.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.7	12.0	2.0	0.0	0.0	0.0	7.3	0.0	2.0	0.7	0.0	0.0	0.0	0.0	1.3	0.0	2.7	1.3	40.7	0.7	1.4	2.7	16.7	22.40
88SJB5509	6.0	18.7	0.0	4.0	29.3	0.0	2.0	10.7	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.7	0.0	0.0	0.0	0.0	8.0	0.7	0.0	0.0	1.3	6.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	3.3	0.7	33.3	0.0	3.4	3.4	12.7	22.71
88SJB5605	4.7	16.0	0.0	1.3	26.7	0.0	1.3	14.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	8.0	1.3	0.0	0.0	0.0	10.7	0.0	0.7	0.7	0.0	0.0	1.3	0.0	1.3	1.3	3.3	3.9	28.0	0.0	2.0	5.4	15.3	15.09
88SJB5606	5.3	17.3	0.0	0.7	37.3	0.0	0.7	15.3	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	7.3	0.7	0.0	0.0	0.7	5.3	0.0	2.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	2.0	1.4	38.0	0.0	2.0	2.0	16.0	16.00
88SJB5607	7.3	14.7	0.0	4.0	36.0	0.0	0.0	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	10.7	1.3	0.0	0.0	0.0	0.7	10.0	0.0	4.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	40.0	10.7	0.0	0.7	8.7	17.53
88SJB5706	2.7	21.3	0.0	2.7	41.3	0.7	2.7	10.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	9.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	44.7	0.0	2.0	0.7	13.4	24.54
88SJB5707	2.0	15.3	0.0	1.3	39.3	0.0	2.7	16.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	4.7	0.0	0.0	0.0	0.0	8.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	2.7	1.4	40.6	0.0	2.0	2.0	19.4	26.67
88SJB5708	0.7	12.7	0.0	0.7	37.3	0.0	1.3	16.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	6.7	1.3	0.0	0.0	0.7	15.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.7	0.7	3.4	38.0	0.7	0.7	0.7	17.3	30.02
88SJB5709	6.0	18.0	0.7	2.0	38.0	0.0	3.3	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	10.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.0	0.7	2.7	2.7	40.0	0.0	0.0	2.0	14.0	31.85
88SJB5710	9.3	12.0	0.0	2.0	39.3	0.0	3.3	12.7	2.0	0.0	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	4.7	0.0	0.0	0.0	0.7	3.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	41.3	1.3	3.3	0.7	16.0	33.38
88SJB5711	4.7	13.3	0.0	6.0	40.7	0.0	2.0	9.3	0.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	8.7	0.0	2.0	0.7	0.0	0.7	0.7	0.0	1.3	0.7	1.3	2.7	46.7	0.0	2.7	3.3	11.3	33.83
88SJB5712	4.0	15.3	0.0	0.7	46.0	0.0	2.7	13.3	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.0	8.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	46.7	0.7	1.4	2.7	16.0	35.81
88SJB5713	5.3	10.7	0.0	4.0	45.3	0.0	3.3	10.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	1.3	9.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.7	0.7	0.7	3.4	49.3	0.0	0.7	2.7	13.3	37.95
88SJB5714	1.3	15.3	0.0	1.3	35.3	0.0	6.0	12.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	6.0	0.0	0.0	0.0	2.0	10.0	0.0	2.7	0.0	0.0	0.0	1.3	0.7	0.0	2.0	1.3	4.0	36.6	0.0	1.3	0.7	18.7	40.39
88SJB5715	2.0	12.0	0.0	2.0	34.0	0.0	4.7	16.7	0.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.7	0.7	0.0	0.0	1.3	11.3	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	1.3	1.3	2.0	36.0	0.0	2.0	0.0	21.4	41.30
88SJB5716	4.0	9.9	0.0	1.3	47.0	0.0	2.6	9.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	4.6	1.3	0.0	0.0	0.0	11.9	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	1.4	48.3	0.0	2.6	1.4	12.5	41.61
88SJB5807	8.0	14.7	0.7	5.3	34.7	0.0	2.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	1.3	8.0	0.7	4.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	2.7	1.3	40.0	0.0	0.0	3.3	13.3	33.07
88SJB5808	2.0	17.3	0.0	2.0	43.3	0.0	3.3	6.0	3.3	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.7	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	8.0	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	2.0	45.3	0.0	5.3	4.0	9.3	34.90
88SJB5809	1.3	14.7	0.0	2.0	42.0	0.0	2.7	10.0	2.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	0.7	2.0	1.3	0.0	0.0	0.0	13.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	1.3	44.0	0.7	3.4	2.7	12.7	35.81
88SJB5810	4.7	14.0	0.0	4.0	36.7	0.0	1.3	10.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	5.3	0.0	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	2.8	40.7	0.0	1.3	3.3	11.3	36.88
88SJB5811	1.3	7.3	0.0	6.0	52.7	0.7	0.0	3.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	2.0	13.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.0	0.7	59.4	0.0	2.6	1.3	3.3	39.47
88SJB5812	2.7	21.3	0.0	2.7	50.0	0.0	1.3	7.3	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	8.0	0.0	2.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	2.1	52.7	0.0	1.4	0.7	8.6	41.00
88SJB5813	4.7	10.7	0.0	2.0	39.3	0.0	2.0	8.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	17.3	0.0	0.0	0.0	0.7	8.7	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	41.3	0.7	2.0	0.0	10.7	42.21
88SJB5814	1.3	15.3	0.0	4.7	40.7	0.0	0.7	10.0	2.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	4.7	0.7	0.0	3.3	0.7	0.0	0.0	3.3	0.0	0.0	0.0	0.7	6.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	2.0	45.4	0.0	2.7	9.4	10.7	42.82
88SJB5903	2.7	13.3	1.3	2.0	48.7	0.0	4.7	7.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.7	0.0	0.0	0.7	2.7	1.3	0.0	0.0	0.0	8.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.7	0.7	1.3	4.1	12.0	15.09
88SJB5904	2.6	9.9	0.0	1.3	57.0	0.0	2.0	2.0	2.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	1.3	0.7	1.3	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0	0.7	6.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	1.3	58.3	0.0	2.7	3.3	4.0	12.65
88SJB5905	6.0	17.3	0.0	2.0	44.0	0.0	1.3	4.7	2.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	3.3	1.3	0.0	0.0	0.0	10.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	2.0	1.4	46.0	0.0	3.4	0.7	6.0	20.88
88SJB5906	2.0	32.7	0.0	0.0	18.0	0.0	1.3	9.3	0.7	0.0	0.7	0.7	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.3	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.7	2.7	2.0	18.0	0.0	2.1	1.3	10.6	21.64
88SJB5907	14.0	29.3	0.0	0.7	16.0	0.0	2.7	15.3	0.7	0.0	0.7	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.7	7.3	0.7	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	0.7	16.7	0.0	1.4	0.0	18.0	24.23
88SJB6101	2.0	22.7	0.0	3.3	36.0	0.0	3.3	13.3	2.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	6.7	0.0	0.7	0.0	0.0	0.0	0.7	0.0	1.3	0.7	1.3	2.7	39.3	0.0	2.7	2.6	16.6	2.90
88SJB6102	6.7	24.0	0.0	6.7	32.0	0.0	3.3	16.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	4.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	38.7	0.0	0.7	1.4	19.3	4.42
88SJB6103	6.0	14.0	0.7	3.3	37.3	0.0	1.3	9.3	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	2.0	0.7	0.0	0.0	0.7	0.0	2.0	1.3	0.0	0.0	0.0	0.7	12.7	0.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	40.6	2.0	1.4	4.1	10.6	8.69
88SJB6104	8.7	18.7	0.0	4.0	34.7	0.7	0.7	11.3	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.7	10.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.4	39.4	0.0	1.3	2.0	12.0	11.13
88SJB6105	5.3	17.9	0.0	2.6	43.7	0.0	5.3	6.6	1.3	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.7	6.6	0.7	1.3	0.7	0.0	0.0	2.0	0.0	0.0	0.0	0.7	2.0	46.3	0.0	2.0	1.4	11.9	13.87

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	Dl	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB6106	6.0	23.3	0.0	3.3	39.3	0.0	4.0	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	0.0	0.0	0.0	5.3	0.7	2.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	42.6	0.0	0.0	1.3	13.3	16.31
88SJB6120	2.0	14.0	0.0	2.7	50.7	0.0	3.3	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.0	2.0	2.0	53.4	0.0	0.0	2.0	10.6	36.42
88SJB6121	2.0	11.3	0.0	5.3	52.7	0.0	3.3	8.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	4.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.0	1.3	2.7	58.0	0.0	0.7	2.0	11.3	37.64
88SJB6122	6.7	25.3	0.0	2.0	36.7	0.0	2.7	14.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.0	6.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	38.7	0.7	2.0	0.7	17.4	39.47
88SJB6124	2.0	13.3	0.0	4.7	44.0	0.0	4.7	8.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	2.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.3	1.3	2.7	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	1.4	48.7	0.0	2.0	6.0	12.7	44.04
88SJB6125	5.3	16.7	0.0	4.0	42.0	0.0	2.7	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	2.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.7	7.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.3	46.0	1.3	0.0	6.0	12.0	45.57
88SJB6126	1.3	20.0	0.0	3.3	45.3	0.0	5.3	6.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	8.7	0.7	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.7	1.3	2.0	48.6	0.7	0.7	3.4	11.3	47.09
88SJB6201	10.0	14.0	0.0	4.7	33.3	0.0	3.3	14.7	0.7	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.0	11.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	38.0	0.0	0.7	0.0	18.0	3.05
88SJB6202	2.7	20.7	0.0	0.7	36.0	0.0	2.7	9.3	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	3.3	0.0	0.7	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.7	11.3	0.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	2.0	1.3	2.7	36.7	0.0	1.3	4.7	12.0	3.51
88SJB6203	4.7	17.3	0.0	1.3	34.0	0.0	3.3	12.0	0.0	0.7	1.3	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	1.3	2.0	0.0	0.0	0.0	1.3	12.0	1.3	3.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	1.4	35.3	1.3	2.0	1.4	15.3	5.03
88SJB6204	4.0	20.0	0.0	2.7	33.3	0.0	3.3	12.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	0.0	1.3	2.0	0.7	0.0	0.0	0.7	12.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	36.0	1.3	1.4	2.1	15.3	7.47
88SJB6205	6.7	20.0	0.0	3.3	33.3	0.0	4.0	9.3	1.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	4.0	0.0	0.0	0.0	0.7	7.3	0.0	1.3	0.0	0.0	0.0	2.7	0.0	0.7	2.7	1.3	6.1	36.6	0.7	2.0	0.0	13.3	10.52
88SJB6206	8.0	26.0	0.7	2.7	30.0	0.0	2.7	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.7	0.0	0.7	0.0	0.0	0.7	4.0	0.7	0.0	0.0	0.0	6.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3	0.7	32.7	0.7	0.0	4.1	12.7	12.65
88SJB6207	6.0	14.0	0.0	2.7	31.3	0.0	6.0	18.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	1.3	2.0	0.7	0.0	0.0	0.0	12.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	34.0	1.3	2.0	1.4	24.0	13.87
88SJB6208	4.0	18.7	0.0	0.7	38.7	0.0	4.0	12.7	2.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	12.0	0.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.7	2.0	2.0	39.4	0.7	2.7	1.4	16.7	15.39
88SJB6209	3.3	10.0	0.0	2.0	46.7	0.0	1.3	10.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	4.0	0.7	0.0	0.0	0.7	10.7	0.0	0.7	0.0	0.0	0.7	0.0	0.0	2.0	2.0	0.7	4.0	48.7	0.0	0.7	2.7	12.0	18.75
88SJB6210	2.7	16.0	0.0	6.0	46.7	0.0	0.7	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.7	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	10.7	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.0	1.4	52.7	0.0	0.7	4.7	4.0	20.57
88SJB6211	0.0	14.0	0.7	2.0	40.7	0.0	3.3	8.0	4.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	14.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.0	1.4	42.7	0.0	6.7	2.7	11.3	23.32
88SJB6212	1.3	19.3	0.0	2.0	48.7	0.7	2.0	6.7	1.3	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.7	6.7	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	51.4	0.0	2.7	1.3	8.7	25.45
88SJB6214	4.7	14.7	0.0	2.7	53.3	0.0	3.3	6.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	56.0	0.0	2.0	2.7	9.3	29.72
88SJB6215	1.3	12.7	0.0	4.0	46.7	0.0	2.0	4.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.3	0.0	1.3	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.7	12.7	0.7	3.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	50.7	0.7	1.3	4.6	6.7	30.33
88SJB6216	1.3	9.3	0.0	2.0	54.7	0.0	2.7	4.7	0.7	1.3	0.0	0.0	2.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	1.3	2.0	0.7	0.0	0.0	0.0	11.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.3	2.0	56.7	1.3	2.0	1.3	7.4	31.55
88SJB6305	6.0	19.3	0.0	2.0	38.0	0.0	5.3	8.7	1.3	0.7	1.3	0.0	0.7	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	0.0	0.7	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	40.0	0.0	3.3	4.7	14.0	14.78
88SJB6308	2.7	8.0	0.0	0.0	27.3	0.0	6.7	19.3	3.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	23.3	2.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	27.3	0.7	3.3	2.7	26.0	22.17
88SJB6402	6.0	18.7	0.0	2.7	38.7	0.0	2.0	7.3	1.3	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.3	10.7	0.0	2.0	0.0	0.0	1.3	0.7	0.0	0.0	0.7	0.7	1.4	41.4	0.0	1.3	3.9	9.3	8.53
88SJB6403	1.3	11.3	0.0	2.7	43.3	0.0	3.3	10.0	2.7	2.0	0.7	0.0	0.7	0.0	0.0	0.0	0.7	3.3	1.3	0.0	0.0	0.7	0.0	0.7	3.3	0.0	0.0	0.0	0.0	6.7	0.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	46.0	0.7	5.4	6.0	13.3	9.14
88SJB6404	3.3	12.0	0.0	0.7	40.0	0.0	3.3	12.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	2.0	0.0	0.0	0.0	0.0	3.3	2.7	0.0	0.0	0.0	1.3	12.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	40.7	3.3	1.3	4.0	16.0	9.91
88SJB6506	8.0	11.3	0.0	1.3	28.0	0.0	0.7	14.0	5.3	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.7	0.0	1.3	0.0	0.0	1.3	0.7	0.0	0.0	0.0	3.3	13.3	0.7	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.7	1.3	1.4	29.3	1.3	7.3	6.7	14.7	40.69
88SJB6507	2.0	12.7	0.0	1.3	24.0	0.0	2.7	10.7	4.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	4.0	18.7	2.0	0.0	2.7	0.0	0.0	0.0	1.3	0.0	0.7	0.0	0.0	10.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	25.3	0.0	4.7	27.4	13.4	43.13
88SJB6701	2.7	12.7	0.0	3.3	50.0	0.0	1.3	16.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	6.7	0.7	2.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	53.3	0.0	0.7	0.0	18.0	1.68
88SJB6702	6.0	15.3	0.0	1.3	36.7	0.0	2.0	13.3	2.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.7	7.3	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	2.0	2.0	2.7	38.0	0.0	3.4	4.0	15.3	5.03
88SJB6703	4.7	12.0	0.0	2.7	39.3	0.0	2.0	10.7	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.3	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	14.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	42.0	0.0	3.4	6.6	12.7	7.47
88SJB6704	4.7	9.3	0.0	0.7	44.0	0.0	1.3	8.0	2.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	1.3	0.0	0.7	0.0	0.0	0.0	4.0	0.7	0.0	0.0	0.0	10.7	0.0	5.3	0.7	0.0	0.0	0.7	0.0	0.7	2.0	0.7	3.4	44.7	0.0	2.7	3.4	9.3	8.08
88SJB6705	2.0	22.0	0.0	2.7	38.0	0.0	2.0	16.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	2.7	5.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	40.7	0.0	1.3	2.7	18.0	9.60
88SJB6706	5.3	18.0	0.0	2.7	34.7	0.0	2.7	16.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	0.7	2.0	0.0	0.0	0.0	1.3	11.3	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.4	0.7	1.4	1.4	18.7	11.73
88SJB6707	6.6	15.2	0.0	0.7	33.8	0.0	3.3	19.2	2.6	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	6.0	0.0	5.3	0.7	0.0	0.0	0.7	0.0	0.7	0.0	0.7	1.4	34.5	0.0	3.3	0.7	22.5	14.10
88SJB6708	19.3	44.0	0.0	1.3	16.7	0.0	2.7	6.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	0.7	0.0	1.3	0.7	0.0	0.0	0.7	0.0	0.7	0.0	0.7	1.4	18.0	0.0	1.4	0.7	9.4	16.00
88SJB6709	6.0	20.7	0.0	1.3	36.0	0.0	5.3	15.3	4.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.7	4.7	0.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.3	0.0	4.7	1.4	20.6	18.14
88SJB6710	2.7	22.0	0.0	2.7	33.3	0.0	3.3	13.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.7	11.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	36.0	0.0	2.7	3.4	16.6	19.66
88SJB6711	5.3	20.7	0.0	1.3	33.3	0.0	6.7	14.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.7	10.0	0.7	1.3	0.0	0.0	0.7	0.0	0.0	0.7	0.7	0.7	1.4	34.6	0.0	1.4	0.7	20.7	20.27

1988 Heavy Mineral Abundances (weight per cent)

SAMPLE #	Di	HY	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hi	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep	Depth (m)
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total	
88SJB6712	2.0	13.3	0.0	4.7	42.0	0.0	2.0	11.3	3.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	3.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.7	0.0	0.0	0.0	11.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	2.0	46.7	1.3	4.7	4.0	13.3	22.71
88SJB6713	3.3	24.0	0.0	4.0	32.7	0.0	3.3	7.3	3.3	1.3	0.7	1.3	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.7	0.0	0.0	0.0	4.0	0.0	0.0	0.0	1.3	7.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4	36.7	0.0	6.6	3.4	10.6	25.53
88SJB6714	2.7	20.7	0.0	1.3	39.3	0.7	4.0	8.7	5.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	2.0	1.3	0.7	0.0	0.0	0.7	5.3	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	41.3	2.0	6.7	2.0	12.7	27.28
88SJB6715	2.7	14.7	0.0	2.0	38.7	0.0	3.3	11.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.7	16.0	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.7	0.7	1.3	2.1	40.7	0.0	4.0	0.7	14.6	29.72
88SJB6716	4.7	12.0	0.0	2.0	41.3	0.0	5.3	8.0	7.3	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	1.3	0.7	3.3	43.3	0.0	7.3	1.4	13.3	31.85
88SJB6717	6.0	10.0	0.0	1.3	31.3	0.0	2.7	18.0	6.7	2.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	1.3	12.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	32.6	0.0	10.1	2.6	20.7	33.60
88SJB6718	4.7	17.3	0.7	2.0	21.3	0.0	5.3	16.7	4.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	2.0	16.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	23.3	0.0	6.0	2.7	22.0	35.20
88SJB6719	4.0	16.0	0.0	4.7	17.3	0.0	4.0	28.0	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	0.0	2.0	14.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.7	1.3	1.4	22.0	0.0	4.0	1.3	32.0	35.81
88SJB6720	6.0	10.0	0.0	2.0	27.3	0.0	5.3	20.7	8.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	1.3	0.0	0.0	0.0	1.3	0.7	0.0	0.0	1.3	7.3	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	1.3	29.3	0.0	10.7	2.6	26.0	36.73
88SJB6721	7.3	19.3	0.0	2.0	24.0	0.0	4.0	20.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	4.7	0.7	0.0	0.0	0.0	8.7	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	2.7	0.7	26.0	0.0	2.0	2.0	24.0	37.49
88SJB6722	4.0	10.7	0.0	2.7	28.7	0.0	2.0	13.3	6.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.7	4.0	0.0	0.0	0.0	0.7	16.0	1.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	31.4	0.7	9.3	2.7	15.3	37.95
88SJB6801	3.3	6.0	0.0	2.7	47.3	0.0	4.0	10.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.7	14.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.7	2.0	1.3	2.7	50.0	0.0	2.0	0.0	14.0	0.46
88SJB6802	5.3	17.3	0.0	2.7	45.3	0.0	1.3	8.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	1.3	6.7	0.0	1.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	1.4	48.0	0.7	4.0	2.7	9.3	2.44
88SJB6803	4.7	16.0	0.0	5.3	45.3	0.0	0.7	7.3	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	9.3	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.4	50.6	0.7	4.7	2.7	8.0	6.55
88SJB6804	3.3	11.3	0.0	2.0	50.7	0.0	1.3	5.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.7	16.7	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.7	52.7	0.0	3.3	2.0	6.6	7.77
88SJB6806	4.0	6.7	0.0	2.0	40.0	0.0	0.7	12.7	2.7	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	7.3	2.0	0.0	0.0	1.3	12.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.7	0.0	2.7	1.4	42.0	0.7	4.7	1.3	13.4	11.13
88SJB6807	2.0	10.7	0.0	4.0	39.3	0.0	0.7	14.7	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.0	0.0	2.7	12.7	0.0	2.0	0.0	0.0	0.0	1.3	0.0	0.7	0.7	1.3	2.7	43.3	0.0	2.6	1.3	15.4	12.34
88SJB6808	4.7	13.3	0.0	3.3	38.0	0.0	2.7	18.0	2.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.0	0.7	0.0	0.7	0.0	0.0	0.7	2.0	1.3	0.0	0.0	0.0	6.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	41.3	0.7	2.7	3.4	20.7	13.11
88SJB6809	4.0	5.3	0.0	2.7	29.3	0.0	0.7	8.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.7	16.7	0.7	0.0	14.7	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0	5.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	1.3	32.0	0.0	3.3	34.8	8.7	13.56
88SJB6904	4.7	10.0	0.7	2.7	30.7	0.0	5.3	18.0	1.3	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	2.0	11.3	0.0	2.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	33.4	0.0	2.7	2.7	23.3	11.43
88SJB6905	7.3	19.3	0.0	3.3	25.3	0.0	2.0	17.3	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.3	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.7	12.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.0	2.0	2.0	28.6	0.7	2.7	2.7	19.3	14.48
88SJB6907	6.7	15.3	0.0	2.7	42.7	0.0	0.7	11.3	2.7	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.7	4.7	0.0	4.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	2.1	45.4	0.0	3.4	2.0	12.0	18.14
88SJB6908	2.0	12.0	0.0	2.0	47.3	0.0	0.7	6.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.0	0.0	0.0	0.0	2.7	0.7	0.0	0.0	0.0	12.0	0.0	2.0	0.0	0.0	0.7	0.7	0.0	0.0	0.7	1.3	1.4	49.3	0.0	5.3	3.4	7.4	19.35
88SJB6909	2.0	18.0	0.0	1.3	42.7	0.0	2.7	10.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.7	2.0	0.0	0.0	0.0	0.7	10.7	0.0	0.7	0.0	0.0	0.0	2.0	0.0	0.0	0.0	0.7	2.0	44.0	0.7	2.7	2.6	13.4	20.27
88SJB6910	4.0	14.0	0.0	2.7	47.3	0.0	0.0	12.7	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.0	8.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.0	0.0	2.7	2.1	12.7	21.18
88SJB6911	2.7	11.3	0.0	3.3	48.7	0.0	1.3	6.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	3.3	0.0	0.7	0.0	0.0	12.0	0.0	2.7	0.0	0.0	0.0	0.0	0.7	0.7	1.3	2.0	2.7	52.0	0.0	1.3	1.3	8.0	22.71
88SJB6912	2.7	15.3	0.7	3.3	46.0	0.0	3.3	8.7	2.0	1.3	0.0	0.0	0.7	0.0	0.0	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.7	4.7	0.0	0.0	0.0	0.0	4.0	0.0	2.0	0.0	0.0	0.0	0.7	0.0	0.7	0.0	0.0	1.4	49.3	0.7	3.3	3.3	12.0	24.23
88SJB6913	2.7	14.7	0.0	0.0	47.3	0.0	2.0	9.3	2.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.7	5.3	0.7	0.0	0.0	0.0	8.7	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.7	0.0	1.3	0.7	47.3	0.7	3.4	0.7	11.3	26.37
88SJB6914	3.3	9.3	0.0	4.7	50.0	0.0	2.0	12.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0	10.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.0	0.7	54.7	0.7	0.7	0.0	14.7	28.50
88SJB6915	4.0	12.0	0.0	7.3	38.0	0.0	2.0	10.7	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	8.7	0.7	1.3	0.7	0.0	0.0	0.7	0.7	0.0	0.0	0.7	1.4	45.3	0.0	8.0	2.6	12.7	30.33
88SJB6916	2.7	14.0	0.0	1.3	50.0	0.0	2.7	10.0	2.0	0.7	0.0	0.0	0.7	0.0	0.0	0.0	0.7	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	8.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.7	2.0	51.3	0.0	2.7	2.7	12.7	30.63
88SJB6917	2.7	14.0	0.0	4.0	42.0	0.0	2.0	11.3	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.0	1.3	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	2.7	7.3	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.7	0.0	2.0	2.7	46.0	0.7	2.0	4.0	13.3	31.55
88SJB7005	4.0	18.7	0.7	2.7	39.3	0.0	6.0	12.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.7	7.3	0.0	0.7	0.0	0.0	0.0	0.0	0.7	0.0	0.7	0.7	1.4	42.0	0.7	2.0	0.7	18.0	15.09

Descriptions and Localities of Gold Grains Recovered from Borehole and Regional Samples

Notes:

Thick - refers to the estimated thickness of the region

ABRDD - abraded shape

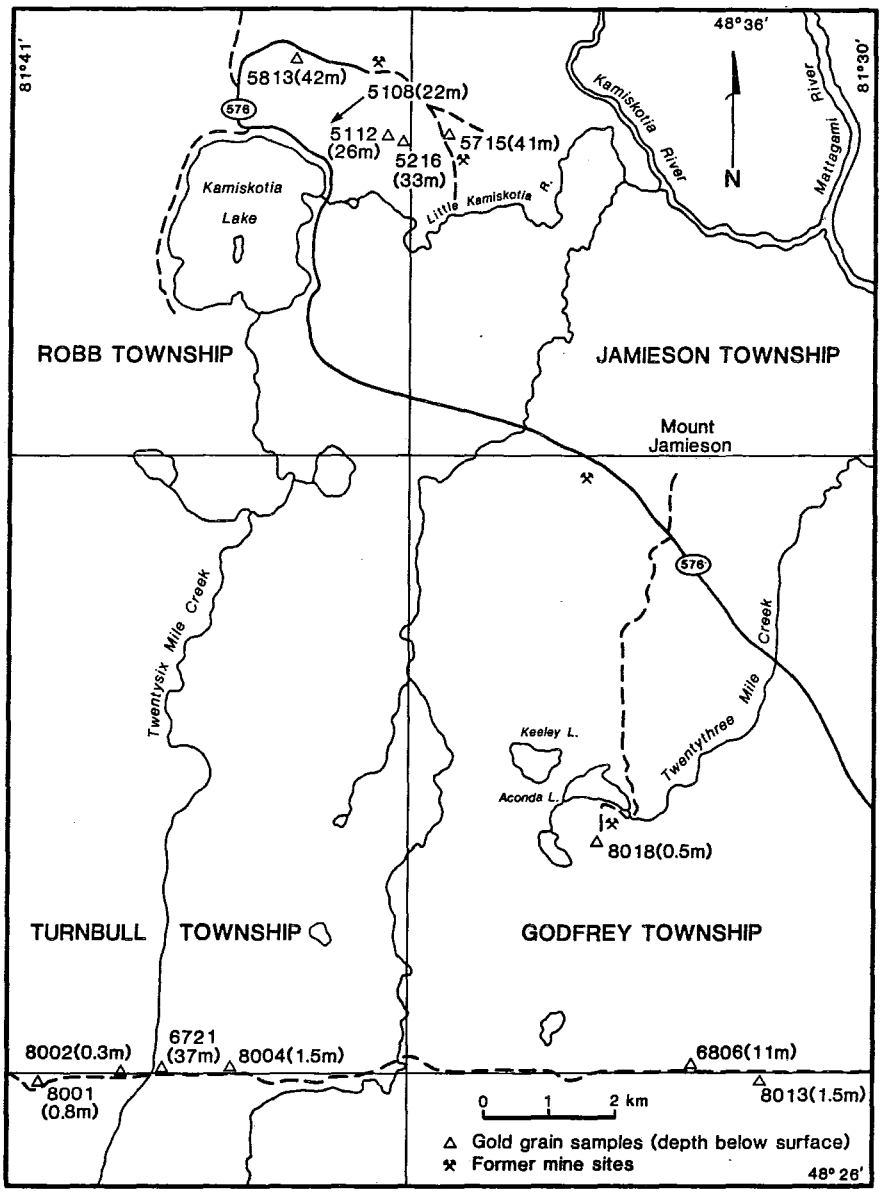
IRREG - irregular shape

DELIC - delicate shape

TOT - total number of grains

CALC V.G. ASSAY - calculated assay value of gold content

Sample Number	Diameter (microns)	Thick. (calc.)	ABRDD	IRREG	DELIC	TOT	CALC V.G. ASSAY PPB	REMARKS
5108	25 x 25	5	1			1		EST. 7% PYRITE
	50 x 75	13	1			1		
	Total					**2**	**20**	
5112	50 x 75	13	1			1		
	Total					1	44	
5216	100 x 100	20		1		1		EST. O.5% PYRITE
	325 x 475	68	1			1		
	Total					**2**	**5577**	
5715	25 x 25	5	1			1		EST. O.5% PYRITE
	75 x 100	18	1			1		
	Total					**2**	**110**	
5813	50 x 100	15	1			1		
	Total					**1**	**34**	
6721	50 x 75	13	1	1		2		EST. O.5% PYRITE
	250 x 275	48	1			1		
	Total					**3**	**2399**	
6806	50 x 50	10	1			1		
	Total					**1**	**12**	
8001	75 x 125	20		1		1		
	Total					**1**	**71**	
8002	25 x 25	5	1			1		NO SULPHIDES
	50 x 50	10	1			1		
	50 x 75	13	1			1		
	100 x 125	22	1			1		
	Total					**4**	**108**	
8004	400 x 525	76	1			1		EST. 0.25% PYRITE
	1075 x 1075	110	1			1		
	Total					**2**	**56362**	
8013	25 x 25	8	1			1		NO SULPHIDES
	100 x 200	29	1			1		
	150 x 175	31	1			1		
	Total					**3**	**389**	
8018	50 x 50	10		1	4	5		TRACE PYRITE
	50 x 75	13		1	3	4		
	50 x 100	15	1		1	2		
	75 x 75	15	1	1	1	3		
	75 x 100	18			2	2		
	225 x 250	44		1		1		
	Total					**17**	**1082**	



Gold grain sample site location map.

Leco Carbon Analysis of 1987 Silt + Clay Samples

Leco Carbon Analysis of 1987 Silt + Clay Samples (<0.063 mm)

Sample Number	Depth (m)	Total Carbon	Non-carbonate Carbon	Inorganic Carbon (wt.%)	CaCO3 Equiv. (wt.%)
87SJB0101	2.30	6.00	0.10	5.90	49.17
87SJB0102	3.10	5.60	0.30	5.30	44.17
87SJB0103	3.60	5.70	0.30	5.40	45.00
87SJB0104	4.10	6.80	0.20	6.60	55.00
87SJB0105	5.90	6.50	0.20	6.30	52.50
87SJB0106	7.80	5.80	0.30	5.50	45.83
87SJB0107	10.20	5.30	0.30	5.00	41.67
87SJB0108	12.00	5.50	0.30	5.20	43.33
87SJB0109	15.10	4.80	0.30	4.50	37.50
87SJB0110	19.70	4.70	0.30	4.40	36.67
87SJB0111	23.80	4.70	0.30	4.40	36.67
87SJB0112	27.90	4.70	0.30	4.40	36.67
87SJB0113	32.80	4.70	0.30	4.40	36.67
87SJB0114	36.40	3.70	0.50	3.20	26.67
87SJB0115	38.90	3.20	0.10	3.10	25.83
87SJB0203	14.30	5.30	0.30	5.00	41.67
87SJB0204	16.00	5.60	0.30	5.30	44.17
87SJB0205	17.70	5.70	0.30	5.40	45.00
87SJB0206	19.40	4.90	0.30	4.60	38.33
87SJB0207	22.40	4.80	0.30	4.50	37.50
87SJB0208	25.60	4.90	0.30	4.60	38.33
87SJB0209	29.00	4.80	0.30	4.50	37.50
87SJB0210	32.50	4.10	0.50	3.60	30.00
87SJB0211	34.70	3.60	0.20	3.40	28.33
87SJB0212	38.30	3.80	0.20	3.60	30.00
87SJB0213	39.30	3.60	0.20	3.40	28.33
87SJB0214	41.00	3.70	0.40	3.30	27.50
87SJB0215	42.50	3.80	0.50	3.30	27.50
87SJB0216	43.40	3.70	0.50	3.20	26.67
87SJB0217	44.00	3.80	0.40	3.40	28.33
87SJB0301	1.10	5.40	0.10	5.30	44.17
87SJB0302	10.20	3.90	0.20	3.70	30.83
87SJB0304	12.60	4.10	0.20	3.90	32.50
87SJB0305	13.40	6.80	0.10	6.70	55.83
87SJB0306	16.50	3.80	0.30	3.50	29.17
87SJB0307	19.40	3.60	0.20	3.40	28.33
87SJB0308	21.00	4.30	0.20	4.10	34.17
87SJB0309	21.50	4.00	0.10	3.90	32.50
87SJB0310	23.30	4.20	0.20	4.00	33.33
87SJB0311	27.90	4.10	0.30	3.80	31.67
87SJB0312	30.40	3.30	0.10	3.20	26.67
87SJB0313	31.50	2.60	0.10	2.50	20.83
87SJB0315	34.60	3.70	0.20	3.50	29.17
87SJB0404	12.50	6.00	0.20	5.80	48.33
87SJB0405	13.40	6.00	0.30	5.70	47.50
87SJB0406	16.00	5.90	0.30	5.60	46.67
87SJB0407	17.50	4.60	0.20	4.40	36.67
87SJB0408	23.60	3.80	0.20	3.60	30.00
87SJB0409	27.00	3.80	0.30	3.50	29.17
87SJB0410	31.50	3.30	0.20	3.10	25.83
87SJB0411	32.50	4.00	0.20	3.80	31.67

Leco Carbon Analysis of 1987 Silt + Clay Samples (<0.063 mm)

Sample Number	Depth (m)	Total Carbon	Non-carbonate Carbon	Inorganic Carbon (wt.%)	CaCO3 Equiv. (wt.%)
87SJB0412	34.40	2.20	0.00	2.20	18.33
87SJB0504	17.80	6.20	0.30	5.90	49.17
87SJB0505	20.00	5.20	0.20	5.00	41.67
87SJB0506	23.30	5.20	0.20	5.00	41.67
87SJB0507	24.80	5.10	0.30	4.80	40.00
87SJB0508	27.00	5.10	0.30	4.80	40.00
87SJB0509	28.70	2.80	0.10	2.70	22.50
87SJB0510	32.00	3.20	0.50	2.70	22.50
87SJB0511	33.70	3.40	0.90	2.50	20.83
87SJB0601	1.10	6.10	0.10	6.00	50.00
87SJB0602	1.80	6.10	0.10	6.00	50.00
87SJB0603	2.30	6.20	0.10	6.10	50.83
87SJB0604	3.80	5.80	0.30	5.50	45.83
87SJB0605	4.90	5.30	0.30	5.00	41.67
87SJB0606	5.30	5.00	0.20	4.80	40.00
87SJB0609	20.30	5.40	0.20	5.20	43.33
87SJB0612	43.10	4.40	0.10	4.30	35.83
87SJB0614	65.40	4.40	0.10	4.30	35.83
87SJB0615	72.40	5.60	0.10	5.50	45.83
87SJB0616	75.40	5.20	0.20	5.00	41.67
87SJB0617	81.40	5.20	0.40	4.80	40.00
87SJB0618	82.00	4.00	0.30	3.70	30.83
87SJB0701	4.70	5.50	0.10	5.40	45.00
87SJB0801	1.10	5.50	0.10	5.40	45.00
87SJB0802	2.30	5.50	0.10	5.40	45.00
87SJB0803	5.60	5.60	0.30	5.30	44.17
87SJB0804	9.00	5.50	0.30	5.20	43.33
87SJB0805	11.70	5.20	0.20	5.00	41.67
87SJB0806	15.10	5.40	0.20	5.20	43.33
87SJB0807	17.20	5.30	0.30	5.00	41.67
87SJB0808	22.10	4.80	0.30	4.50	37.50
87SJB0809	27.00	4.70	0.40	4.30	35.83
87SJB0810	30.30	4.30	0.40	3.90	32.50
87SJB0811	33.40	3.60	0.20	3.40	28.33
87SJB0812	37.60	3.90	0.20	3.70	30.83
87SJB0813	39.20	3.40	0.10	3.30	27.50
87SJB0901	1.40	4.00	0.20	3.80	31.67
87SJB0902	3.20	4.40	0.40	4.00	33.33
87SJB0903	4.30	4.40	0.40	4.00	33.33
87SJB0904	7.80	4.20	0.40	3.80	31.67
87SJB0905	13.00	4.50	0.40	4.10	34.17
87SJB1001	2.30	5.00	0.10	4.90	40.83
87SJB1002	3.70	4.50	0.30	4.20	35.00
87SJB1003	5.00	5.00	0.30	4.70	39.17
87SJB1101	1.10	4.20	0.20	4.00	33.33
87SJB1102	2.10	4.30	0.30	4.00	33.33
87SJB1103	3.80	4.30	0.30	4.00	33.33

Leco Carbon Analysis of 1987 Silt + Clay Samples (<0.063 mm)

Sample Number	Depth (m)	Total Carbon	Non-carbonate Carbon	Inorganic Carbon (wt.%)	CaCO3 Equiv. (wt.%)
87SJB1104	6.90	4.70	0.40	4.30	35.83
87SJB1105	10.20	4.00	0.10	3.90	32.50
87SJB1106	14.30	3.50	0.10	3.40	28.33
87SJB1107	14.80	4.20	0.10	4.10	34.17
87SJB1108	17.80	3.70	0.10	3.60	30.00
87SJB1109	23.00	4.10	0.10	4.00	33.33
87SJB1110	24.20	3.90	0.10	3.80	31.67
87SJB1111	27.90	5.00	0.10	4.90	40.83
87SJB1112	28.80	3.80	0.20	3.60	30.00
87SJB1113	32.50	3.50	0.20	3.30	27.50
87SJB1114	35.20	3.80	0.30	3.50	29.17
87SJB1115	36.40	3.50	0.20	3.30	27.50
87SJB1116	37.30	3.20	0.20	3.00	25.00
87SJB1117	37.90	3.50	0.20	3.30	27.50
87SJB1118	39.60	3.80	0.20	3.60	30.00
87SJB1119	40.80	3.50	0.30	3.20	26.67
87SJB1120	41.60	3.40	0.30	3.10	25.83
87SJB1201	0.80	5.90	0.10	5.80	48.33
87SJB1206	19.50	5.30	0.20	5.10	42.50
87SJB1207	21.10	4.80	0.20	4.60	38.33
87SJB1208	23.30	4.70	0.30	4.40	36.67
87SJB1209	24.50	4.80	0.30	4.50	37.50
87SJB1211	26.40	4.00	0.10	3.90	32.50
87SJB1212	27.90	4.10	0.20	3.90	32.50
87SJB1213	29.20	3.60	0.20	3.40	28.33
87SJB1301	1.40	6.30	0.10	6.20	51.67
87SJB1302	2.00	5.50	0.20	5.30	44.17
87SJB1303	2.60	5.40	0.10	5.30	44.17
87SJB1304	4.40	5.30	0.10	5.20	43.33
87SJB1305	6.40	5.20	0.20	5.00	41.67
87SJB1306	8.50	5.20	0.20	5.00	41.67
87SJB1307	10.10	5.10	0.20	4.90	40.83
87SJB1308	11.10	4.50	0.20	4.30	35.83
87SJB1309	13.30	7.80	3.00	4.80	40.00
87SJB1310	15.70	2.70	0.30	2.50	20.83
87SJB1312	17.20	3.80	0.20	3.60	30.00
87SJB1313	20.30	3.60	0.20	3.40	28.33
87SJB1314	21.50	3.40	0.10	3.30	27.50
87SJB1315	23.60	3.30	0.10	3.20	26.67
87SJB1316	24.20	3.30	0.10	3.20	26.67
87SJB1317	25.50	3.20	0.10	3.10	25.83
87SJB1319	29.90	3.40	0.10	3.30	27.50
87SJB1320	31.20	3.00	0.10	2.90	24.17
87SJB1321	33.70	2.60	0.10	2.50	20.83
87SJB1401	2.30	4.80	0.20	4.60	38.33
87SJB1402	4.40	5.00	0.20	4.80	40.00
87SJB1403	9.00	4.60	0.30	4.30	35.83
87SJB1404	11.10	4.50	0.30	4.20	35.00
87SJB1501	2.00	4.60	0.10	4.50	37.50
87SJB1502	4.40	5.50	0.20	5.30	44.17

Leco Carbon Analysis of 1987 Silt + Clay Samples (<0.063 mm)

Sample Number	Depth (m)	Total Carbon	Non-carbonate Carbon	Inorganic Carbon (wt.%)	CaCO3 Equiv. (wt.%)
87SJB1503	8.10	5.30	0.20	5.10	42.50
87SJB1504	8.80	4.10	0.10	4.00	33.33
87SJB1604	6.90	5.20	0.10	5.10	42.50
87SJB1605	8.70	5.00	0.20	4.80	40.00
87SJB1606	14.20	4.30	0.30	4.00	33.33
87SJB1607	15.80	5.80	0.40	5.40	45.00
87SJB1608	17.70	5.00	0.10	4.90	40.83
87SJB1609	18.70	3.70	0.20	3.50	29.17
87SJB1610	19.70	3.60	0.20	3.40	28.33
87SJB1611	20.90	3.70	0.20	3.50	29.17
87SJB1612	21.80	3.50	0.20	3.30	27.50
87SJB1613	22.40	3.50	0.20	3.30	27.50
87SJB1614	23.60	3.40	0.30	3.10	25.83
87SJB1615	24.50	2.70	0.10	2.60	21.67
87SJB1701	1.20	4.20	0.40	3.80	31.67
87SJB1702	5.00	4.80	0.40	4.40	36.67
87SJB1703	10.20	5.00	0.30	4.70	39.17
87SJB1704	13.30	5.90	0.30	5.60	46.67
87SJB1705	17.80	5.30	0.30	5.00	41.67
87SJB1801	2.00	4.80	0.10	4.70	39.17
87SJB1802	2.30	5.00	0.10	4.90	40.83
87SJB1803	3.50	4.60	0.20	4.40	36.67
87SJB1804	4.80	3.10	0.00	3.10	25.83
87SJB1811	23.30	3.30	0.10	3.20	26.67
87SJB1812	25.10	3.60	0.20	3.40	28.33
87SJB1813	26.40	3.30	0.20	3.10	25.83
87SJB1814	29.60	2.60	0.10	2.50	20.83
87SJB1815	31.20	2.50	0.00	2.50	20.83
87SJB1816	33.70	2.50	0.00	2.50	20.83
87SJB1817	34.90	2.70	0.10	2.60	21.67
87SJB1901	1.40	4.00	0.10	3.90	32.50
87SJB1902	1.80	5.10	0.10	5.00	41.67
87SJB1903	2.90	0.10	0.10	4.20	35.00
87SJB1907	15.70	0.10	0.10	3.10	25.83
87SJB1908	17.00	0.20	0.20	3.00	25.00
87SJB1909	19.40	0.20	0.20	2.70	22.50
87SJB1910	22.10	0.20	0.20	3.20	26.67
87SJB1911	24.30	0.20	0.20	4.70	39.17
87SJB1912	25.10	0.30	0.30	4.70	39.17
87SJB1913	27.00	0.20	0.20	4.40	36.67
87SJB1914	28.20	0.20	0.20	4.40	36.67
87SJB1918	34.60	0.00	0.00	1.30	10.83
87SJB1919	34.90	0.00	0.00	0.00	0.00
87SJB1920	36.90	0.00	0.00	0.00	0.00
87SJB2001	2.00	4.60	0.20	4.40	36.67
87SJB2002	2.90	5.70	0.20	5.50	45.83
87SJB2003	7.30	5.80	0.30	5.50	45.83
87SJB2004	13.30	4.10	0.40	3.70	30.83
87SJB2005	15.20	2.80	0.00	2.80	23.33

Leco Carbon Analysis of 1987 Silt + Clay Samples (<0.063 mm)

Sample Number	Depth (m)	Total Carbon	Non-carbonate Carbon	Inorganic Carbon (wt.%)	CaCO3 Equiv. (wt.%)
87SJB2006	19.20	2.60	0.00	2.60	21.67
87SJB2008	21.80	3.60	0.10	3.50	29.17
87SJB2009	22.10	3.00	0.10	2.90	24.17
87SJB2101	2.00	5.10	0.10	5.00	41.67
87SJB2102	3.50	5.10	0.10	5.00	41.67
87SJB2103	4.50	5.10	0.20	4.90	40.83
87SJB2104	6.50	3.60	0.10	3.50	29.17
87SJB2112	23.00	4.70	2.30	2.40	20.00
87SJB2113	23.30	4.70	2.80	1.90	15.83
87SJB2114	23.70	3.90	0.40	3.30	29.17
87SJB2115	24.20	3.90	0.20	3.50	29.17
87SJB2116	24.50	4.30	0.30	4.10	34.17
87SJB2117	25.10	3.90	0.20	3.60	30.00
87SJB2118	25.70	4.00	0.10	3.80	31.67
87SJB2201	1.40	5.30	0.10	5.20	43.33
87SJB2202	3.80	5.40	0.20	5.20	43.33
87SJB2203	10.20	5.90	0.30	5.60	46.67
87SJB2211	47.70	3.60	0.20	3.40	28.33
87SJB2212	48.90	3.70	0.20	3.50	29.17
87SJB2213	49.80	3.80	0.20	3.60	30.00
87SJB2214	50.40	3.90	0.20	3.70	30.83
87SJB2215	52.30	3.90	0.20	3.70	30.83
87SJB2301	2.00	5.60	0.10	5.50	45.83
87SJB2302	4.10	5.40	0.20	5.20	43.33
87SJB2303	6.20	5.50	0.30	5.20	43.33
87SJB2304	8.70	5.50	0.30	5.20	43.33
87SJB2305	11.40	5.80	0.30	5.50	45.83
87SJB2306	14.00	5.00	0.40	4.60	38.33
87SJB2307	16.30	4.00	0.10	3.90	32.50
87SJB2401	2.30	5.50	0.20	5.30	44.17
87SJB2402	5.00	4.80	0.30	4.50	37.50
87SJB2501	2.30	4.80	0.20	4.60	38.33
87SJB2502	5.00	3.00	0.00	3.00	25.00
87SJB2504	13.00	2.60	0.00	2.60	21.67
87SJB2505	13.30	2.30	0.10	2.20	18.33
87SJB2506	15.70	2.80	0.10	2.70	22.50
87SJB2507	17.50	3.00	0.20	2.80	23.30
87SJB2508	19.30	2.60	0.20	2.40	20.00
87SJB2509	20.20	3.30	0.20	3.10	25.83
87SJB2510	21.60	3.30	0.30	3.00	25.00
87SJB2511	22.30	3.00	0.20	2.80	23.33
87SJB2512	23.70	3.60	0.20	3.40	28.33
87SJB2513	24.10	0.80	0.00	0.80	6.67
87SJB2601	2.00	5.10	0.10	5.00	41.67
87SJB2602	4.10	5.40	0.10	5.30	44.17
87SJB2603	5.90	5.40	0.20	5.20	43.33
87SJB2604	8.40	5.50	0.20	5.40	45.00
87SJB2605	10.80	5.40	0.10	5.30	44.17

Leco Carbon Analysis of 1987 Silt + Clay Samples (<0.063 mm)

Sample Number	Depth (m)	Total Carbon	Non-carbonate Carbon	Inorganic Carbon (wt.%)	CaCO3 Equiv. (wt.%)
87SJB2606	12.60	5.20	0.20	5.00	41.67
87SJB2607	13.30	5.20	0.20	5.00	41.67
87SJB2608	17.20	3.10	0.20	2.90	24.17
87SJB2609	17.60	3.70	0.10	3.60	30.00
87SJB2610	20.00	3.60	0.10	3.50	29.17
87SJB2611	22.40	3.60	0.20	3.40	28.33
87SJB2612	24.80	2.60	0.10	2.50	20.83
87SJB2613	26.00	3.70	0.10	3.60	30.00
87SJB2614	28.50	3.10	0.10	3.00	25.00
87SJB2615	29.30	3.10	0.10	3.00	25.00

APPENDIX III

Tabulated Regional Surface Sample Data

Sample descriptions 209

Geochemical Results
Clay fraction 210
Silt+clay fraction 211
Heavy mineral fraction 212

Lithological Results
Pebble Lithology 213
Heavy Mineral Identification 214

Regional Sample Descriptions

Sample Number	UTM Zone	Easting	Northing	Latitude	Longitude	NTS Map area	Sediment Type	Oxidation State	Depth (m)
88SJB8001	17	450750	5362750	48.4180	81.66560	42A	DIAMICTON	UNOXIDIZED	0.8
88SJB8002	17	451500	5362750	48.4180	81.65546	42A	DIAMICTON	UNOXIDIZED	0.3
88SJB8003	17	452250	5362750	48.4181	81.64533	42A	SAND	UNOXIDIZED	0.5
88SJB8004	17	453250	5362750	48.4181	81.63182	42A	GRAVEL	UNOXIDIZED	1.5
88SJB8007	17	455250	5362750	48.4183	81.60479	42A	SAND	UNOXIDIZED	0.6
88SJB8008	17	457750	5362750	48.4185	81.57101	42A	SAND	UNOXIDIZED	1.7
88SJB8009	17	446750	5362750	48.4176	81.71966	42A	CLAY	MOTTLED	0.4
88SJB8011	17	459750	5362750	48.4186	81.54398	42A	SAND	UNOXIDIZED	1.2
88SJB8013	17	461500	5362500	48.4165	81.52030	42A	DIAMICTON	UNOXIDIZED	1.5
88SJB8016	17	459500	5375500	48.5333	81.54859	42A	SAND	MOTTLED	0.7
88SJB8018	17	458500	5370000	48.4837	81.56158	42A	SAND	OXIDIZED	0.5
88SJB8019	17	450250	5374750	48.5259	81.67379	42A	GRAVEL	OXIDIZED	0.6
88SJB8023	17	461750	5372500	48.5064	81.51784	42A	SAND	MOTTLED	0.6
88SJB8024	17	459700	5374300	48.5225	81.54576	42A	SAND	OXIDIZED	1.8
88SJB8025	17	459400	5372200	48.5036	81.54962	42A	DIAMICTON	MOTTLED	1.5
88SJB8026	17	458600	5371300	48.4954	81.56036	42A	SAND	OXIDIZED	1.1
88SJB8027	17	458000	5371600	48.4981	81.56851	42A	DIAMICTON	MOTTLED	0.8
88SJB8028	17	457200	5372500	48.5061	81.57944	42A	SAND	UNOXIDIZED	2
88SJB8029	17	456300	5372600	48.5070	81.59163	42A	DIAMICTON	UNOXIDIZED	1.8
88SJB8031	17	456200	5370600	48.4890	81.59277	42A	DIAMICTON	OXIDIZED	0.5
88SJB8032	17	459200	5371100	48.4937	81.55222	42A	SAND	UNOXIDIZED	0.95
88SJB8035	17	413940	5365340	48.4373	82.16353	42G	DIAMICTON	OXIDIZED	0.5
88SJB8039	17	398660	5449590	49.1927	82.39086	42G	DIAMICTON	OXIDIZED	0.3
88SJB8040A	17	401650	5468920	49.3670	82.35459	42G	DIAMICTON	OXIDIZED	1.2
88SJB8040B	17	401650	5468920	49.3670	82.35459	42G	DIAMICTON	OXIDIZED	1.2
88SJB8049	17	430300	5529400	49.9149	81.97082	42G	DIAMICTON	OXIDIZED	1
88SJB8051	17	417900	5500300	49.6516	82.13735	42G	DIAMICTON	OXIDIZED	1
88SJB8052	17	416200	5499200	49.6415	82.16066	42G	SAND	OXIDIZED	0.5
88SJB8053	17	414400	5502400	49.6700	82.18629	42G	DIAMICTON	OXIDIZED	0.5
88SJB8054	17	414400	5501800	49.6646	82.18616	42G	SAND	OXIDIZED	0.5
88SJB8055	17	415000	5498700	49.6368	82.17717	42G	SAND	MOTTLED	1
88SJB8056	17	414900	5491400	49.5712	82.17697	42G	DIAMICTON	MOTTLED	0.8
88SJB8057	17	410600	5485800	49.5202	82.23516	42G	DIAMICTON	OXIDIZED	2
88SJB8058	17	408000	5481900	49.4847	82.27016	42G	CLAY	UNOXIDIZED	3
88SJB8059	17	403900	5475700	49.4284	82.32525	42G	CLAY	UNOXIDIZED	0.5
88SJB8060	17	401200	5516100	49.7912	82.37263	42G	DIAMICTON	UNOXIDIZED	1
88SJB8061	17	402450	5516200	49.7923	82.35530	42G	SAND	MOTTLED	0.5
88SJB8062A	17	419880	5538440	49.9949	82.11781	42J	DIAMICTON	OXIDIZED	2
88SJB8062B	17	419880	5538440	49.9949	82.11781	42J	DIAMICTON	UNOXIDIZED	4
88SJB8062C	17	419880	5538440	49.9949	82.11781	42J	ORGANICS		0.7
88SJB8063	17	420440	5538760	49.9978	82.11006	42J	ORGANICS		1

Note: 88SJB8040A,B are both sampled from Cochrane Till
88SJB8062A is in a section with Kipling Till
88SJB8062B is taken in Adam Till in a section exposure

Regional Sample Geochemical Results Clay-size fraction (<0.002mm)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sb	Se	Sr	Ti	Tl	U	V	W
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*
88SJB8001	5.77	0.2	35	200	2.5	1	0.72	0.25	22	151	117	6.69	10	0.5	0.69	40	1.83	705	0.5	0.71	84	3220	14	5	22	36	0.26	5	5	120	10	140
88SJB8002	5.24	0.1	50	240	2.5	1	0.78	0.25	22	159	74	5.29	10	0.5	0.59	70	1.62	695	0.5	0.73	77	3060	10	10	26	41	0.26	5	5	92	10	108
88SJB8013	n/ss	0.2	30	30	1.5	1	0.38	0.25	18	78	95	3.84	5	1	0.15	30	0.69	370	1	0.33	54	3520	16	5	8	19	0.17	5	5	82	5	94
88SJB8035	5.31	0.2	2.5	210	2	4	1.37	0.25	24	136	65	6.31	10	0.5	0.93	40	2.31	653	0.5	0.63	79	3000	18	2.5	15	42	0.20	5	5	101	2.5	133
88SJB8039	4.71	0.1	20	210	0.25	1	2.04	0.25	26	130	49	5.20	10	0.5	0.79	30	2.21	478	0.5	0.40	69	2250	10	5	14	44	0.19	5	5	81	2.5	119
88SJB8040	4.30	0.1	15	200	1	2	5.57	0.25	21	115	50	5.24	5	2	0.90	10	2.18	536	0.5	0.41	62	2290	24	5	12	68	0.20	5	5	89	5	126
88SJB8049	4.52	0.4	15	170	1	1	1.19	0.25	26	110	55	5.29	10	0.5	0.69	40	1.91	619	0.5	0.65	68	3180	14	2.5	14	41	0.19	5	5	85	2.5	123
88SJB8051	3.67	0.1	10	160	0.25	1	4.73	0.25	23	106	47	4.87	5	0.5	0.71	5	2.03	539	0.5	0.64	55	3140	10	5	11	59	0.18	5	5	78	2.5	117
88SJB8052	6.21	0.6	15	160	0.5	4	1.33	0.25	29	119	33	5.98	10	0.5	0.50	70	1.57	1037	0.5	0.79	81	7590	38	2.5	15	34	0.18	5	5	94	2.5	156
88SJB8053	4.17	0.2	20	130	0.25	2	2.10	0.25	30	113	81	5.42	10	0.5	0.72	30	2.16	907	0.5	1.28	97	9910	20	5	13	41	0.17	5	5	87	5	183
88SJB8054	4.14	0.1	5	140	0.25	1	4.50	0.25	23	107	68	5.15	10	0.5	0.70	10	1.99	715	0.5	0.83	65	3460	20	5	12	57	0.18	5	5	82	2.5	129
88SJB8055	4.17	0.1	20	150	0.25	1	5.36	0.25	43	100	94	5.06	5	0.5	0.74	5	2.58	1700	0.5	1.25	76	10000	36	2.5	12	62	0.11	5	5	77	2.5	161
88SJB8056	3.87	0.1	30	160	0.25	1	5.03	0.25	23	109	59	4.97	5	0.5	0.74	5	2.08	634	0.5	0.69	64	2600	10	2.5	11	55	0.19	5	5	81	2.5	123
88SJB8057	4.12	0.1	25	170	0.25	1	3.62	0.25	21	112	54	5.19	10	0.5	0.79	20	2.08	568	0.5	0.68	61	2850	12	5	12	52	0.20	5	5	85	2.5	123
88SJB8058	3.94	0.1	2.5	160	0.25	1	4.62	0.25	19	112	41	4.82	5	0.5	0.78	10	2.13	569	0.5	0.57	63	2400	6	5	11	59	0.19	5	5	80	2.5	108
88SJB8059	4.31	0.2	15	150	0.25	1	1.60	0.25	20	121	40	5.20	10	1	0.79	30	2.15	508	0.5	0.82	66	3190	14	5	12	38	0.21	5	5	86	2.5	116
88SJB8060	4.31	0.2	10	170	0.25	1	2.01	0.25	20	120	46	5.09	10	0.5	0.76	30	2.22	559	0.5	0.45	68	2290	14	2.5	12	43	0.21	5	5	81	2.5	110
88SJB8061	5.41	0.8	25	160	1	1	2.61	0.25	40	140	74	5.68	10	1	0.67	130	1.79	1864	1	1.42	81	10000	40	2.5	27	45	0.11	5	5	78	2.5	144
88SJB8062A	3.42	0.1	2.5	140	0.25	1	7.33	0.25	24	110	32	4.48	5	0.5	0.94	5	2.57	673	0.5	?	58	1550	14	5	10	107	0.19	5	5	8	5	106
88SJB8062B	3.35	0.1	5	160	0.25	2	8.46	0.25	25	113	37	4.06	5	2	0.78	5	2.42	720	0.5	0.25	53	2130	20	2.5	10	152	0.19	5	5	76	5	97

Regional Sample Geochemical Results Silt + clay-size fraction (<0.063mm)

Sample	Au	Pd	Pt	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection	4ppb	4ppb	10ppb	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB8001	4	2	5	1.43	0.20	2.5	50	0.25	4	0.4	0.25	8	42	23	2.00	10	0.5	0.12	30	0.53	321	0.5	0.02	22	510	6	2.5	5	19	0.11	5	5	36	2.5	36
88SJB8002	2	2	5	0.97	0.20	10	40	0.25	2	0.4	0.25	4	30	10	1.13	10	0.5	0.09	30	0.31	174	0.5	0.02	13	530	1	2.5	4	21	0.09	5	5	21	2.5	17
88SJB8003				0.88	0.20	2.5	30	0.25	4	5.17	0.25	6	30	11	1.21	5	0.5	0.09	5	2.13	218	0.5	0.02	13	420	1	2.5	3	40	0.08	5	5	23	2.5	21
88SJB8004	8	2	5	2.49	0.20	5	50	0.25	2	0.4	0.25	22	63	53	2.95	10	0.5	0.14	30	0.67	794	1	0.01	50	630	14	2.5	6	18	0.12	5	5	45	2.5	59
88SJB8007				0.39	0.40	2.5	10	0.25	4	2.15	0.25	5	19	12	0.81	5	0.5	0.03	20	1.03	163	0.5	0.01	9	530	2	2.5	2	21	0.06	5	5	16	2.5	11
88SJB8008				0.63	0.20	2.5	20	0.25	1	0.3	0.25	3	17	7	0.86	5	0.5	0.05	20	0.2	166	0.5	0.01	8	540	1	2.5	2	17	0.07	5	5	16	2.5	13
88SJB8009				2.04	0.20	2.5	90	0.25	2	6.3	0.25	9	60	18	2.27	5	0.5	0.35	5	2.44	316	0.5	0.04	24	390	4	5	6	61	0.13	5	5	41	2.5	49
88SJB8011				0.54	0.20	2.5	20	0.25	1	0.26	0.25	4	18	10	0.91	5	0.5	0.04	20	0.18	199	0.5	0.01	10	520	6	2.5	2	13	0.07	5	5	17	2.5	18
88SJB8013	4	2	5	0.96	0.20	2.5	20	0.25	1	0.21	0.25	6	28	28	1.38	5	0.5	0.04	20	0.27	146	0.5	0.01	17	480	6	2.5	2	9	0.08	10	5	28	2.5	32
88SJB8016				0.58	0.20	2.5	20	0.25	1	0.32	0.25	4	19	10	1.01	5	0.5	0.04	20	0.23	219	0.5	0.01	9	540	6	2.5	2	15	0.07	5	5	19	2.5	17
88SJB8018	18	52	5	1.53	0.20	10	10	0.25	8	0.12	0.25	8	21	270	1.73	5	0.5	0.02	10	0.76	126	1	0.01	13	130	10	2.5	3	6	0.07	10	5	25	2.5	385
88SJB8023				2.72	0.20	2.5	90	0.25	2	0.37	0.25	12	72	73	2.35	10	0.5	0.15	60	0.69	325	0.5	0.01	58	600	4	2.5	7	23	0.11	10	5	38	2.5	50
88SJB8025				1.06	0.20	2.5	30	0.25	2	0.23	0.25	11	24	32	2.61	5	0.5	0.06	20	0.4	549	0.5	0.01	17	530	6	2.5	4	10	0.07	5	5	30	2.5	75
88SJB8027				0.44	0.20	2.5	10	0.25	2	0.72	0.25	3	16	8	0.87	5	0.5	0.04	20	0.39	136	0.5	0.01	6	560	2	2.5	2	14	0.06	5	5	16	2.5	13
88SJB8028				0.46	0.20	2.5	10	0.25	1	0.27	0.25	3	20	3	0.96	5	0.5	0.03	20	0.15	195	0.5	0.01	7	690	4	2.5	1	13	0.05	5	5	20	2.5	9
88SJB8029				0.93	0.20	2.5	20	0.25	2	4.21	0.25	6	31	12	1.42	5	0.5	0.08	20	1.44	351	0.5	0.01	11	530	2	2.5	5	33	0.08	5	5	25	2.5	24
88SJB8031				1.64	0.20	2.5	30	0.25	1	0.17	0.25	6	33	7	1.34	10	0.5	0.07	10	0.25	142	0.5	0.01	19	490	6	2.5	2	12	0.08	5	5	22	2.5	22
88SJB8032				0.58	0.20	2.5	10	0.25	1	0.25	0.25	2	17	4	0.78	5	0.5	0.04	20	0.14	107	0.5	0.01	7	600	4	2.5	1	11	0.06	5	5	16	2.5	9
88SJB8035				1.23	0.10	5	50	0.5	4	8.07	0.25	8	38	16	1.61	5	0.5	0.20	5	3.45	313	0.5	0.02	18	430	4	2.5	4	51	0.10	5	5	29	2.5	31
88SJB8039				1.63	0.10	5	70	1	2	8.24	0.25	10	50	18	1.96	5	1	0.27	5	2.83	311	0.5	0.03	22	430	6	2.5	6	56	0.11	5	5	35	2.5	40
88SJB8040A				1.13	0.10	2.5	50	0.5	2	10.14	0.25	8	38	13	1.48	5	0.5	0.22	5	3.17	309	0.5	0.02	17	410	4	2.5	4	62	0.09	10	5	28	2.5	32
88SJB8040B				1.12	0.10	5	50	0.25	2	9.93	0.25	8	36	13	1.50	5	0.5	0.22	5	3.19	287	0.5	0.02	15	380	1	2.5	4	63	0.09	10	5	27	2.5	33
88SJB8049				1.22	0.10	2.5	50	0.25	4	11.18	0.25	9	36	16	1.67	5	1	0.18	5	3.38	349	0.5	0.02	18	440	4	5	5	73	0.10	5	5	30	2.5	34
88SJB8051				0.74	0.10	2.5	40	0.25	4	11.67	0.25	6	27	9	1.11	5	0.5	0.13	5	3.46	204	0.5	0.02	9	350	6	2.5	3	70	0.07	5	5	20	2.5	22
88SJB8052				3.05	0.10	10	60	1	2	6.49	0.5	18	75	20	3.04	10	1	0.22	30	2.77	908	0.5	0.02	35	660	14	5	9	44	0.10	5	5	45	2.5	55
88SJB8053				0.56	0.10	2.5	30	0.25	2	10.36	0.25	8	26	13	1.18	5	0.5	0.09	5	3.56	237	0.5	0.01	11	440	6	2.5	3	59	0.06	5	5	23	2.5	24
88SJB8054				0.29	0.10	2.5	10	0.25	2	9.35	0.25	4	15	5	0.74	5	0.5	0.04	5	2.89	144	0.5	0.01	4	380	2	2.5	2	53	0.06	10	5	16	2.5	10
88SJB8055				0.32	0.10	10	20	0.25	1	11.56	0.25	6	21	12	1.23	5	0.5	0.04	5	4.18	218	1	0.01	8	340	8	2.5	2	60	0.05	5	5	22	2.5	19
88SJB8056				0.74	0.10	2.5	30	0.25	1	12.16	0.25	6	25	12	1.15	5	0.5	0.12	5	3.51	222	0.5	0.02	11	340	6	2.5	3	70	0.08	5	5	21	2.5	23
88SJB8057				0.41	0.10	2.5	20	0.25	1	10.55	0.25	4	16	6	0.69	5	0.5	0.07	5	3.40	147	0.5	0.01	4	310	1	2.5	2	60	0.06	5	5	14	2.5	13
88SJB8058				1.14	0.10	5	50	0.25	1	12.72	0.25	7	34	11	1.45	5	1	0.21	5	3.24	306	0.5	0.02	16	350	6	2.5	4	86	0.10	5	5	28	2.5	29
88SJB8059				2.38	0.10	20	100	0.5	1	8.42	0.25	12	67	21	2.75	5	1	0.43	5	2.92	365	0.5	0.03	29	440	4	5	7	68	0.15	5	5	48	2.5	58
88SJB8060				1.56	0.10	2.5	60	0.25	2	8.38	0.25	10	47	15	1.90	5	1	0.26	5	3.02	332	0.5	0.03	20	370	10	2.5	5	59	0.11	5	5	33	2.5	38
88SJB8061				0.71	0.10	5	20	0.25	2	2.64	0.25	6	28	5	1.25	10	0.5	0.06	50	1.24	268	0.5	0.01	9	650	8	2.5	4	21	0.06	5	5	21	2.5	17
88SJB8062A				1.36	0.10	2.5	70	0.5	1	13.59	0.25	9	49	15	1.78	5	1	0.34	5	3.91	337	1	0.03	20	400	6	5	5	104	0.11	10	5	33	2.5	40
88SJB8062B				1.20	0.10	5	70	0.5	2	7.61	0.25	8	41	12	1.54	5	0.5	0.23	5	2.61	322	0.5	0.03	17	490	8	5	4	82	0.11	5	5	31	2.5	32

Regional Sample Geochemical Results Heavy mineral fraction (s.g. >3.3)

Sample	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Se	Sr	Ti	Tl	U	V	W	Zn
Detection	%	0.2ppm	5ppm	10ppm	0.5ppm	2ppm	%	0.5ppm	1ppm	1ppm	1ppm	%	10ppm	1ppm	%	10ppm	%	1ppm	1ppm	%	1ppm	10ppm	2ppm	5ppm	10ppm*	1ppm	%	10ppm	10ppm	1ppm	10ppm*	10ppm
88SJB8001	1.65	0.20	2.5	10	1	1	1.66	0.25	11	221	7	4.47	30	0.5	0.00	320	0.53	1460	1	0.02	10	790	30	2.5	23	90	0.54	5	5	95	2.5	24
88SJB8002	1.19	0.20	5	10	0.5	4	1.38	0.25	6	178	4	3.38	30	0.5	0.00	370	0.43	1135	1	0.01	8	1190	32	2.5	18	65	0.34	5	5	67	5	18
88SJB8003	1.27	0.20	2.5	10	0.5	1	1.75	0.25	12	169	4	3.40	30	0.5	0.00	390	0.48	1130	0.5	0.01	9	1790	36	2.5	18	79	0.29	5	5	69	5	19
88SJB8004	1.62	0.20	5	10	0.25	1	1.17	0.25	21	237	26	4.69	20	0.5	0.02	330	0.57	1335	1	0.02	20	700	28	2.5	21	58	0.52	5	5	92	10	29
88SJB8008	1.70	0.20	15	10	1	1	2.02	0.25	50	250	114	5.19	10	0.5	0.01	230	0.66	1580	0.5	0.02	63	1290	26	2.5	24	88	0.58	5	5	79	10	83
88SJB8013	1.48	0.20	5	5	1	2	1.49	0.25	8	192	8	3.97	20	0.5	0.00	280	0.46	1235	0.5	0.02	11	730	28	2.5	20	88	0.47	5	5	85	5	28
88SJB8018	1.81	0.20	15	5	0.5	10	1.46	0.5	5	228	53	4.07	20	0.5	0.00	320	0.58	1475	1	0.01	8	370	34	2.5	24	97	0.61	5	5	84	5	78
88SJB8024	1.95	0.20	10	5	0.25	1	0.96	0.25	17	287	7	5.54	20	0.5	0.00	270	0.65	1925	2	0.01	11	400	26	5	28	56	0.43	5	5	83	10	30
88SJB8025	2.08	0.20	15	10	0.25	1	1.66	0.25	52	292	20	6.68	30	0.5	0.00	350	0.65	1920	1	0.02	14	690	36	2.5	29	114	0.56	5	5	95	10	50
88SJB8027	1.39	0.20	5	5	1	2	1.52	0.25	9	173	2	3.73	30	0.5	0.00	420	0.45	1320	1	0.01	5	1370	34	2.5	21	79	0.35	5	5	71	5	19
88SJB8029	1.31	0.20	10	10	1	1	1.73	0.25	5	213	0.5	6.69	30	0.5	0.00	520	0.38	1275	2	0.01	6	510	50	2.5	20	94	0.66	5	5	155	15	24
88SJB8031	2.27	0.20	2.5	10	1	2	1.50	0.25	9	301	0.5	5.52	30	0.5	0.00	420	0.65	1965	1	0.01	10	500	32	2.5	31	104	0.61	5	5	96	5	27
88SJB8052	1.22	0.10	20	30	0.25	2	1.24	0.25	18	91	20	7.47	60	0.5	0.01	490	0.41	1160	1	0.23	20	790	62	2.5	19	41	0.71	5	5	135	5	54
88SJB8053	1.22	0.10	10	30	0.25	1	1.38	0.25	11	98	14	6.98	60	0.5	0.02	500	0.43	1280	0.5	0.24	13	840	50	2.5	21	46	0.78	5	5	136	30	52
88SJB8055	0.75	0.10	2.5	40	0.25	2	1.45	0.25	9	77	14	5.78	60	0.5	0.00	470	0.25	910	0.5	0.19	10	610	56	2.5	15	39	0.80	5	5	133	5	46
88SJB8061	0.98	0.10	5	30	0.25	4	1.43	0.25	4	68	6	4.68	40	0.5	0.00	280	0.30	1065	0.5	0.25	6	440	40	2.5	17	46	0.88	5	5	109	5	42
88SJB8062	0.79	0.10	35	20	0.25	4	0.94	0.25	23	45	79	4.57	30	0.5	0.00	200	0.29	930	0.5	0.26	25	490	42	2.5	11	30	0.50	5	5	58	5	150

Selected Regional Sample Pebble Lithologies

Sample Number	Total wt% Granitic (Archean)	Total wt% Dk,f-graind Proterozoic Greenstone	Total wt% Paleozoic Carbonate	Total wt% Devonian Red sstn	Total wt% Mesozoic lignite rd. qtz	Total wt% Quaternary wood	Wt. (gms) total
88SJB8040A	39.27	5.44	52.57	0.30	0.00	0.00	3.23
88SJB8040B	47.01	5.98	34.19	5.98	0.00	0.00	1.09
88SJB8060	18.85	17.80	67.02	0.00	0.00	0.00	1.98
88SJB8061	30.68	4.40	57.52	0.05	7.85	0.00	20.11
88SJB8062A	11.81	4.45	83.59	0.25	0.55	0.00	20.12
88SJB8062B	34.38	2.75	62.47	0.50	0.00	0.20	20.07

Regional Sample Heavy Mineral Lithologies (see 1988 borehole samples for mineral abbreviation list)

SAMPLE #	Dl	HY.	BZ	Gr	Ga	Ge	Er	Ep	He	Hr	Hl	Ht	Go	Gy	Gr	Gp	Py	Pf	Pr	Pm	Pe	Pd	Sx	Sd	Hg	Hb	Ru	Ro	LE	IM	CR	SP	ST	KY	MZ	Za	Ze	Zr	Zo	UK	Zr	Ga	Sd	He	Py	Ep
	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	wt.%	total	total	Total	Total	Total	Total
88SJB8035	6.7	13.3	0.7	5.3	29.3	0.0	2.7	16.7	5.3	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.0	0.0	0.0	0.0	0.0	8.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.7	1.4	34.6	1.3	5.3	0.0	19.4
88SJB8039	6.7	17.3	0.0	4.0	32.0	0.0	2.0	6.0	3.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.7	0.0	0.0	0.0	0.0	0.0	1.3	3.3	0.7	0.0	0.0	2.0	11.3	0.7	3.3	0.0	0.0	0.0	0.7	0.0	0.0	0.7	1.3	1.4	36.0	1.3	4.6	2.0	8.0
88SJB8040A	2.7	8.7	0.0	4.7	43.3	0.0	0.0	6.0	6.0	2.0	0.0	0.7	0.7	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	0.0	10.0	1.3	2.7	0.0	0.0	0.0	2.7	0.0	0.0	2.0	2.7	4.7	48.0	0.0	8.7	1.3	6.0
88SJB8040B	3.3	13.2	0.0	0.7	36.4	0.7	2.0	8.6	9.9	1.3	0.0	0.0	0.7	0.7	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	1.3	13.2	0.0	2.6	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.7	1.4	37.8	1.3	11.2	1.3	10.6
88SJB8052	1.3	14.7	0.0	6.7	40.0	0.0	3.3	5.3	3.3	0.0	0.7	0.0	4.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	1.3	11.3	0.7	2.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	2.0	0.7	46.7	0.0	4.0	0.0	8.6
88SJB8053	6.7	13.3	0.0	2.7	21.3	0.0	2.7	13.3	9.3	1.3	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.7	0.0	0.0	0.0	0.0	13.3	0.7	5.3	0.0	0.0	0.0	0.7	0.7	0.0	0.7	1.3	2.1	24.0	0.7	10.6	0.0	16.0
88SJB8054	2.0	14.7	0.0	1.3	32.7	0.0	3.3	11.3	5.3	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.0	17.3	0.7	1.3	0.0	0.0	0.0	0.7	0.0	0.7	1.3	2.0	2.7	34.0	0.0	6.0	0.0	14.6
88SJB8055	6.0	17.3	0.7	2.7	28.7	0.0	2.7	10.7	4.0	1.3	0.7	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	11.3	0.0	2.0	0.0	0.0	0.0	1.3	0.0	0.7	0.7	3.3	2.7	31.4	0.0	6.0	0.7	13.4
88SJB8061	6.0	16.0	0.0	7.3	29.3	0.0	4.0	10.0	2.7	0.7	0.7	0.0	2.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	2.7	10.7	0.7	2.0	0.7	0.0	0.0	0.7	0.0	0.7	0.0	1.3	1.4	36.6	0.0	4.1	0.0	14.0
88SJB8062B	2.7	13.3	0.0	8.0	40.0	0.7	4.7	8.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0	0.0	1.3	10.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.0	1.4	48.7	0.0	2.1	2.0	12.7