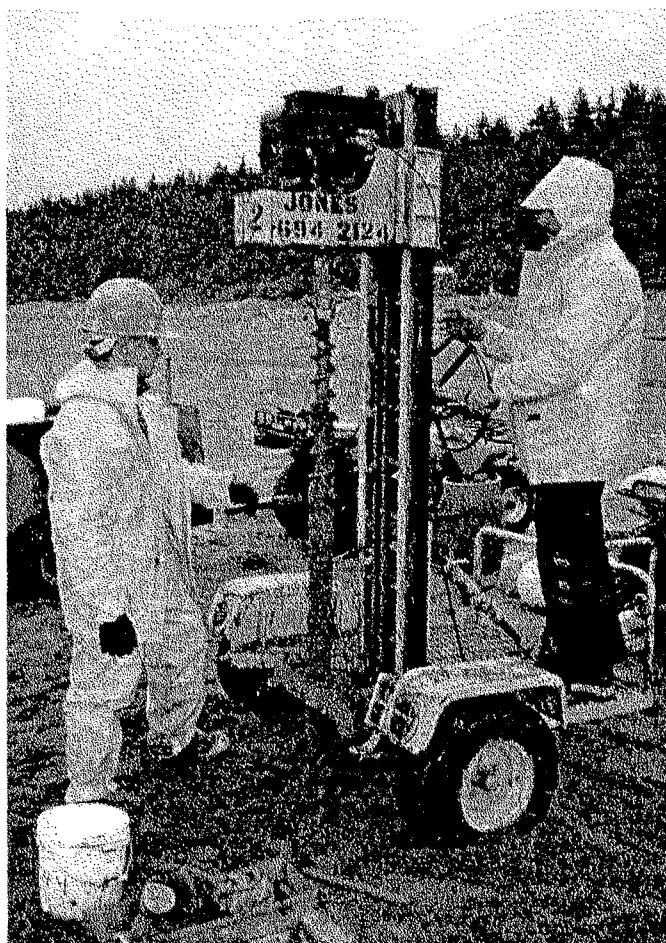


Results of the 1991-92 U.S. Bureau of Mines Site Specific Mineral Investigations Project in Alaska

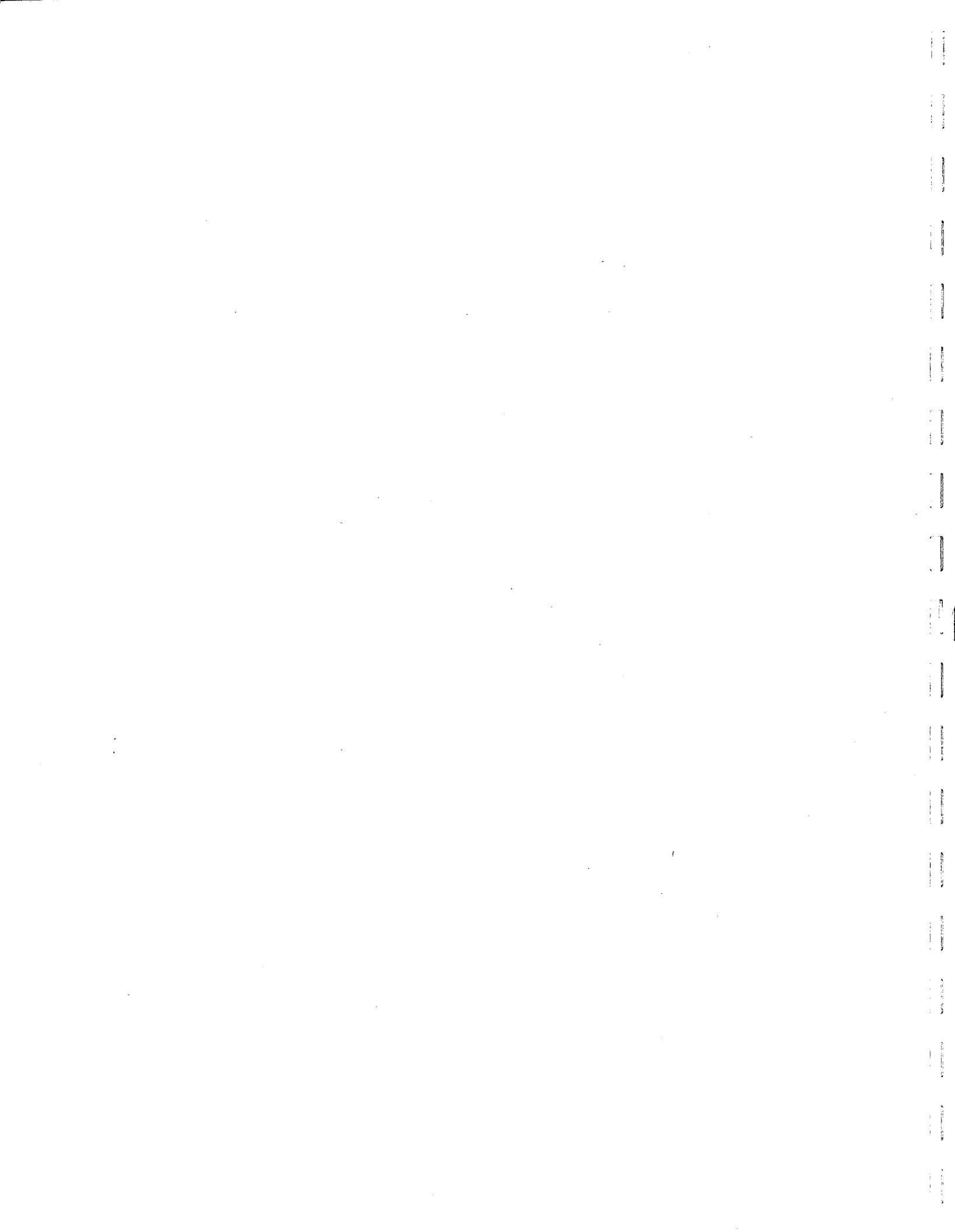
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**UNITED STATES DEPARTMENT OF THE INTERIOR
Bruce Babbitt, Secretary**

**BUREAU OF MINES
Hermann Enzer, Acting Director**

**Open File Report
OFR 100-93**



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UNIT OF MEASURE ABBREVIATIONS USED IN THIS REPORT

°C	degree Celsius
%	percent
cm	centimeter
g	gram
kg	kilogram
km	kilometer
mt	metric ton
ppb	parts per billion
ppm	parts per million

Results of the 1991-92 U.S. Bureau of Mines Site Specific Mineral Investigations Project in Alaska

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ABSTRACT

In 1991 and 1992, the Bureau of Mines completed chromium, platinum-group metals (PGM), and tin investigations, and started indium, manganese, titanium, and vanadium investigations in Alaska. These studies were done as part of the Site Specific Minerals Investigations project. As a result of this work, the Bureau found PGM-bearing composite plutons in the Yentna River area of the Alaska Range, which are chemically similar to composite plutons in other parts of the Alaska Range and to Ural-Alaskan type complexes. Previously unknown chromium and PGM occurrences were found in the western Brooks Range. A compilation report on the Bureau's chromium and PGM investigations in the western Brooks Range was also published. Indium was found in anomalous concentrations at the Lost River tin deposit. Small occurrences of manganese were located, mapped, and sampled in the Wiseman and Chandalar quadrangles, and in the Liberty Falls, Prince William Sound, and Homer areas. Tin occurrences in western Alaska were summarized in three Bureau open file reports. The beaches near Cape Yakataga and Yakutat were evaluated for their titanium potential and a sampling methodology was developed. Vanadium investigations included examining streams in the Wiseman and Eagle areas that contained anomalous vanadium values. In the Eagle area, high vanadium, uranium, and copper values were found in the basal layers of the Road River formation.

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INTRODUCTION

In 1991 and 1992, the U.S. Bureau of Mines (Bureau) conducted field investigations in Alaska as part of the Site Specific Mineral Investigations project. This project is designed to locate, describe, and quantify domestic deposits of those commodities that are critical to the economic and competitive well-being of the United States. These investigations are used to identify an inferred reserve base for both economic and subeconomic deposits that occur onshore and beneath Alaskan coastal waters. The reserve base represents an in-the-ground stockpile for further evaluation and development of those commodities on which the United States has an import reliance.

Generally, several phases of investigations, including both field and laboratory studies that are spread over five field seasons, are required to fully assess significant deposits. These are the: (1) identification phase, (2) evaluation, reserve estimation, beneficiation, and characterization phase, (3) terrane potential determination phase, (4) feasibility study phase, and (5) final report phase.

Since 1981, the Bureau has conducted investigations for chromium, niobium, platinum-group metals (PGM), rare earth elements (REE), and tin. In 1991 and 1992, the Bureau completed work on chromium, PGM, and tin, and started work on indium, manganese, titanium, and vanadium. This report is a compilation of geochemical analyses from samples taken during these years.

SAMPLING

During 1991 and 1992, the Bureau collected 913 rock, soil, sediment, and bulk samples. Rock samples consisted of fresh, altered, and mineralized material that was collected from either outcrop, rubblecrop, or float, in or near mineral occurrences or apparent mineral occurrences. Rock samples collected were of six types: 1) continuous chip, which are rock fragments broken in a continuous line for a measured distance across an exposure; 2) random chip, which are rock fragments collected at random points from an apparently homogenous mineralized occurrence; 3) chip channel, which are rock fragments collected along a channel of uniform width and depth across the exposure of mineralized rock; 4) channel, which are rock fragments and dust collected from a channel of uniform width and depth cut across an exposure of mineralized rock; 5) select, which are rocks collected from the higher grade portions of a mineralized zone; and 6) grab, which are rocks collected more or less at random from an outcrop or float.

Soil samples were collected from the thin C horizon characteristic of Arctic soils. Samples collected near the surface were obtained with a plastic hand trowel while stainless steel hand augers were used to sample the horizon beneath a 30 to 75 cm thick tundra cover.

Sediment samples were collected from beaches in the Yakutat and Cape Yakataga areas. Samples were collected with a solid-stem power auger with 8.9 cm diameter auger bits, hand-turned bucket augers with 10 cm diameter auger bits, and shovels. Samples were taken from 0.3- to 4.6-meter intervals and were collected in 7.57 and 19 liter plastic pails. The material was screened, dried and weighed at the Bureau's Salt Lake City Research Center (SLRC), Salt Lake City, Utah. Heavy mineral concentrates were produced at SLRC with a 3.5-turn rubber-

lined spiral. Splits of the sample heads and spiral concentrates were analyzed for gold, titanium, and zirconium. Portions of the sample heads and spiral rejects were retained at SLRC for gold flotation studies. The spiral concentrates were shipped to the Bureau's Albany Research Center (ALRC), in Albany, Oregon. Following magnetic separation at multiple amperage settings using a isodynamic magnetic separator, mineral characterization will be performed on select samples. The results of the mineral characterization studies will be presented in future reports.

Bulk rock samples were collected from Lost River and Grewingk Glacier. The samples were collected from sections of the mineral occurrences which were considered to be generally representative of high-grade mineralization. Bulk rock samples weighed between 27 and 135 kg each.

ANALYTICAL PROCEDURES

The samples collected in 1991 and 1992 were analyzed by various methods. Splits of crushed rock samples were ground to -140 mesh and analyzed for select groups of elements. Samples were analyzed using induced coupled plasma (ICP) spectroscopy, neutron activation analysis (NAA), fire assay, and atomic absorption spectroscopy. Soil samples were sieved through an 80 mesh screen prior to analysis by ICP spectroscopy.

Splits of sample heads and spiral concentrates from Cape Yakataga were analyzed for gold by fire-assay/atomic absorption spectroscopy (AFS) and for titanium and zirconium by X-ray fluorescence following borate fusion. These data are presented in the appendix. In the future, multielement major and trace element chemical data will be available for multiple magnetic fractions for select samples. The detection limits for the elements that were analyzed by ICP, AFS, and fire assay methods are listed in Tables A-1 and A-2.

RESULTS

This report presents the findings of the investigations that were completed during 1991 and 1992. The areas worked in Alaska are shown on figure 1. The location of the samples collected are shown on figures 2-17. The appendix correlates the map numbers with the name and/or location of the mineral occurrence, and contains the year the sample was collected, sample type, sample location (quadrangle, township, range, section, meridian), and analytical results for each sample. Map number refers to the numbering system used on figures 2-3, 5-7, and 9-18, that is used to geographically represent the locations of samples. Some map numbers represent more than one sample number due to tight sample spacing in the field.

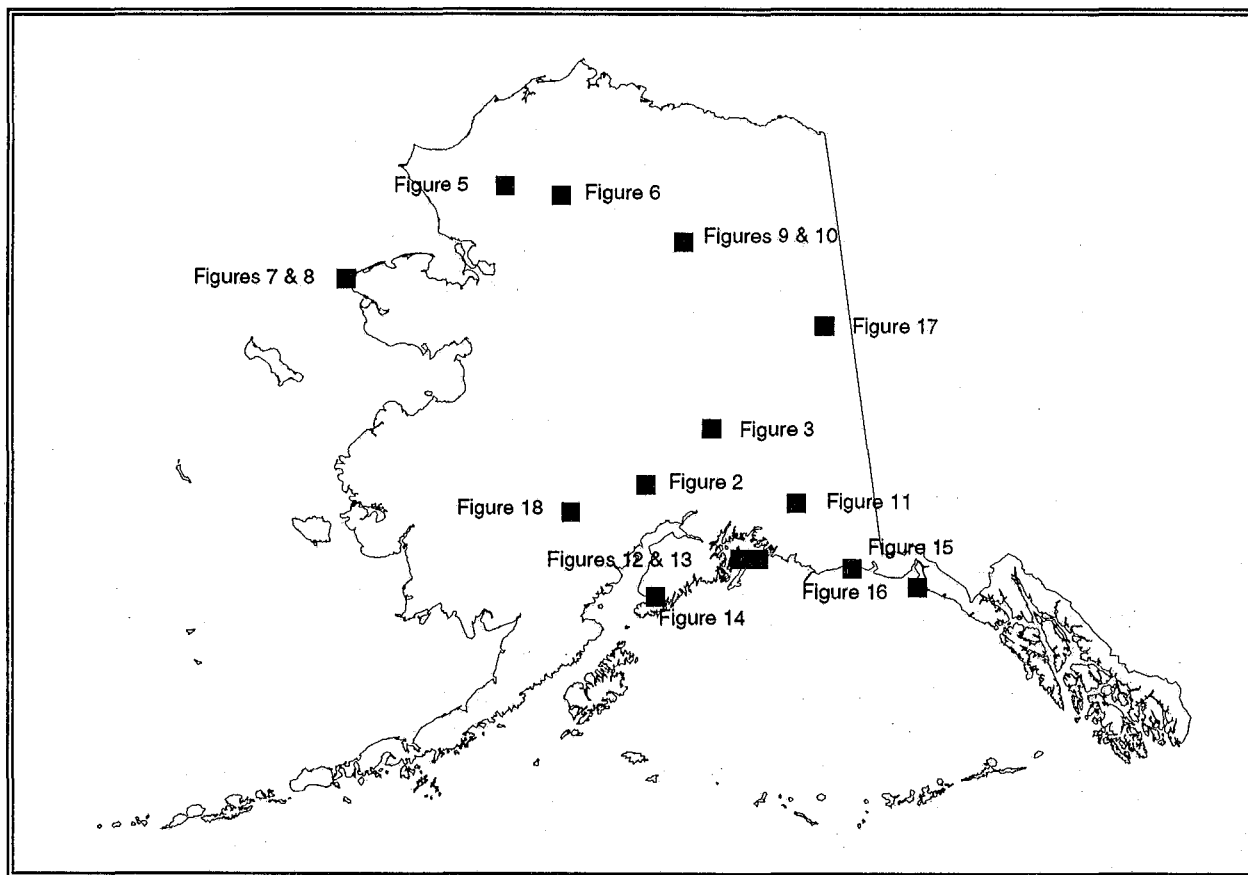


FIGURE 1. - Location map of the Site Specific Mineral Investigations project areas.

CHROMIUM AND PLATINUM-GROUP METALS

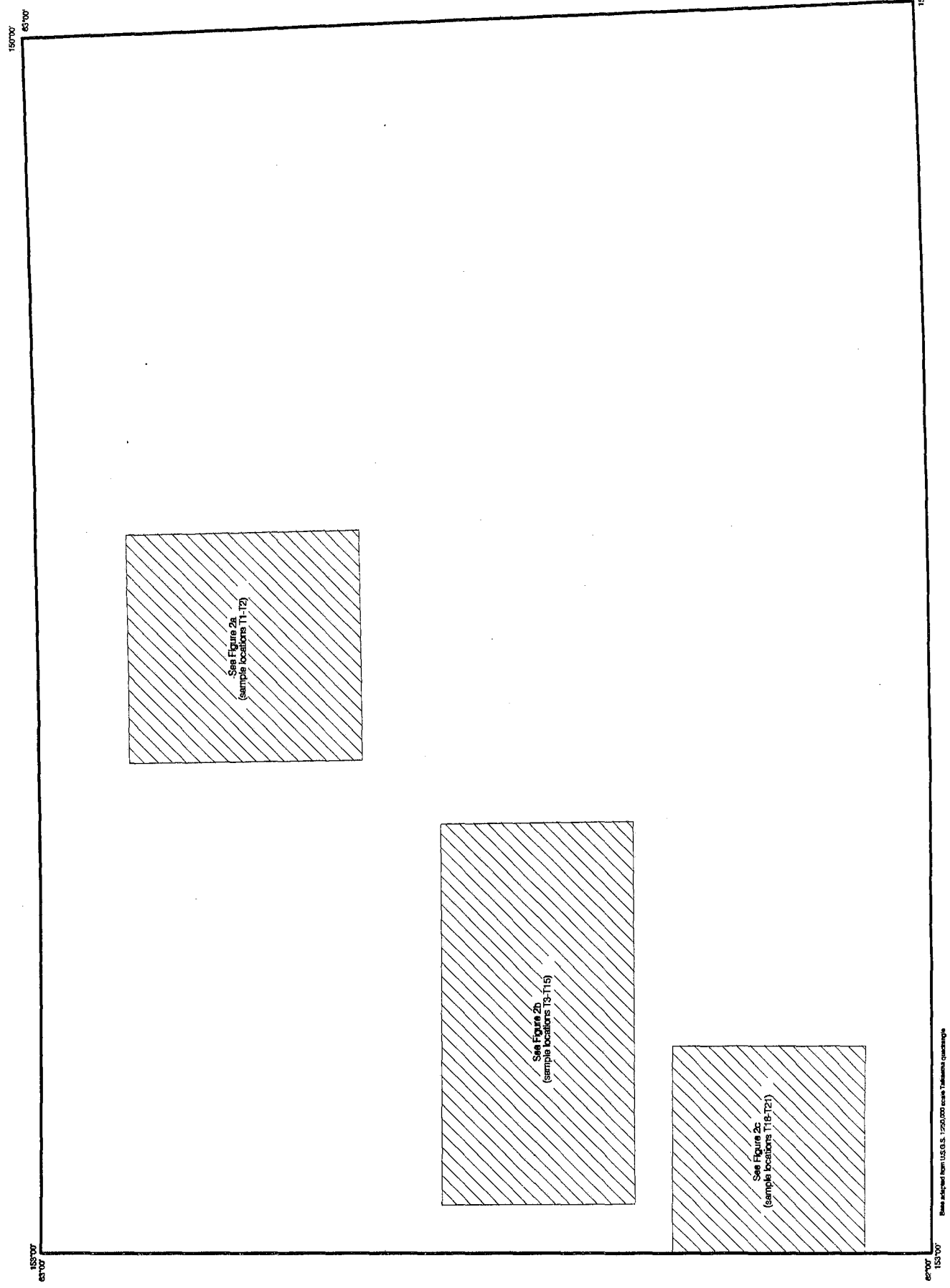
In 1991, the Bureau conducted PGM investigations in the southern Alaska Range. In 1991 and 1992, chromium and PGM investigations were conducted in the Western Brooks Range.

Southern Alaska Range

In cooperation with the U.S. Geological Survey (USGS), the Bureau investigated the gold and PGM content of composite plutons in the Yentna River region of the southern Alaska Range (fig. 2). These are a continuation of the work that the Bureau has done in other parts of the Alaska Range (fig. 3). Earlier USGS studies found mafic and ultramafic rocks associated with intermediate and siliceous igneous rocks in composite plutons (19)³. The composite plutons

³Underlined numbers in parentheses refer to items in the list of references at the end of this chapter.

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Base adapted from USGS 1:250,000 scale Talkeetna Quadrangle



Figure 2. - Index map of Talkeetna(T) sample locations.

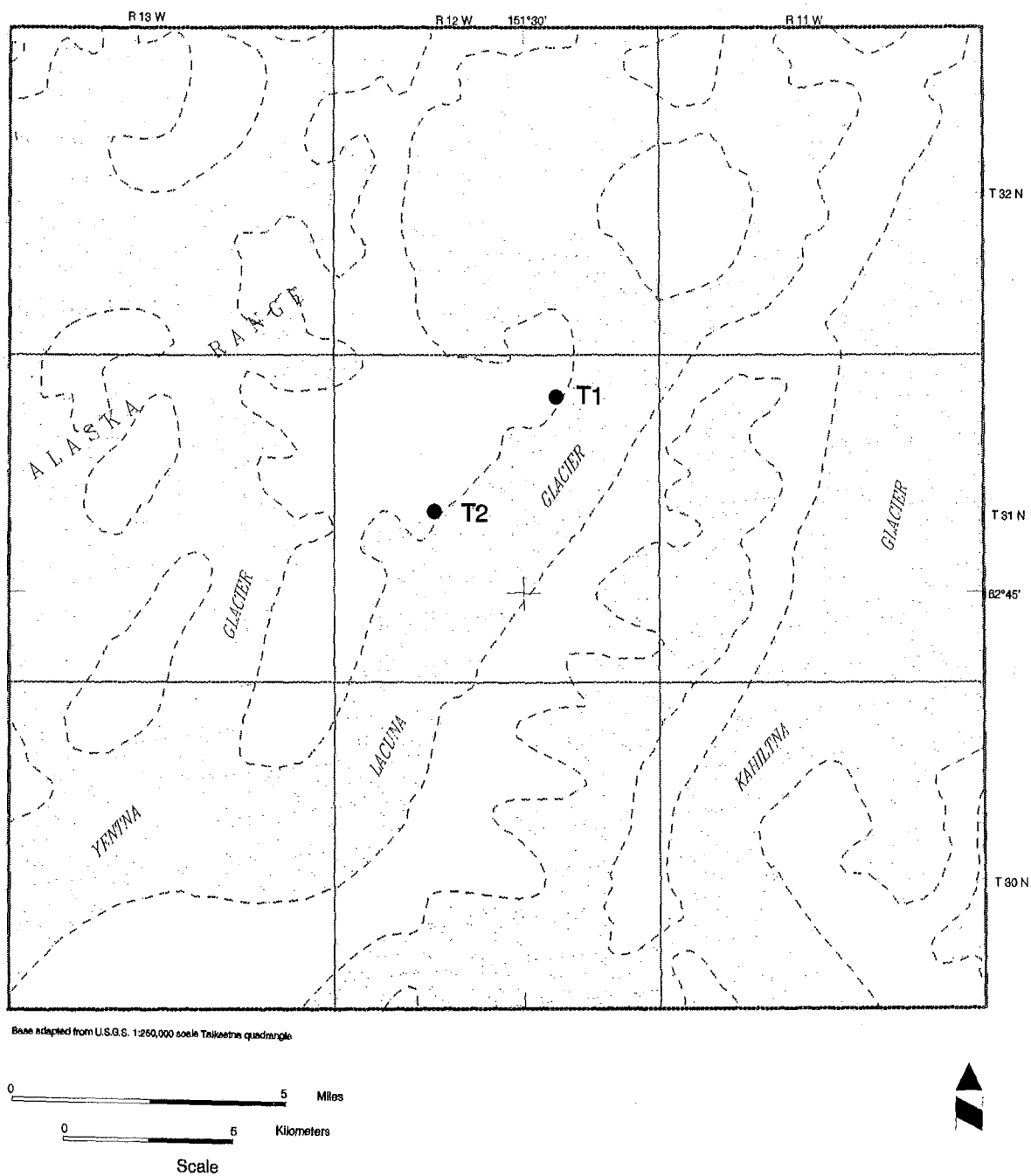
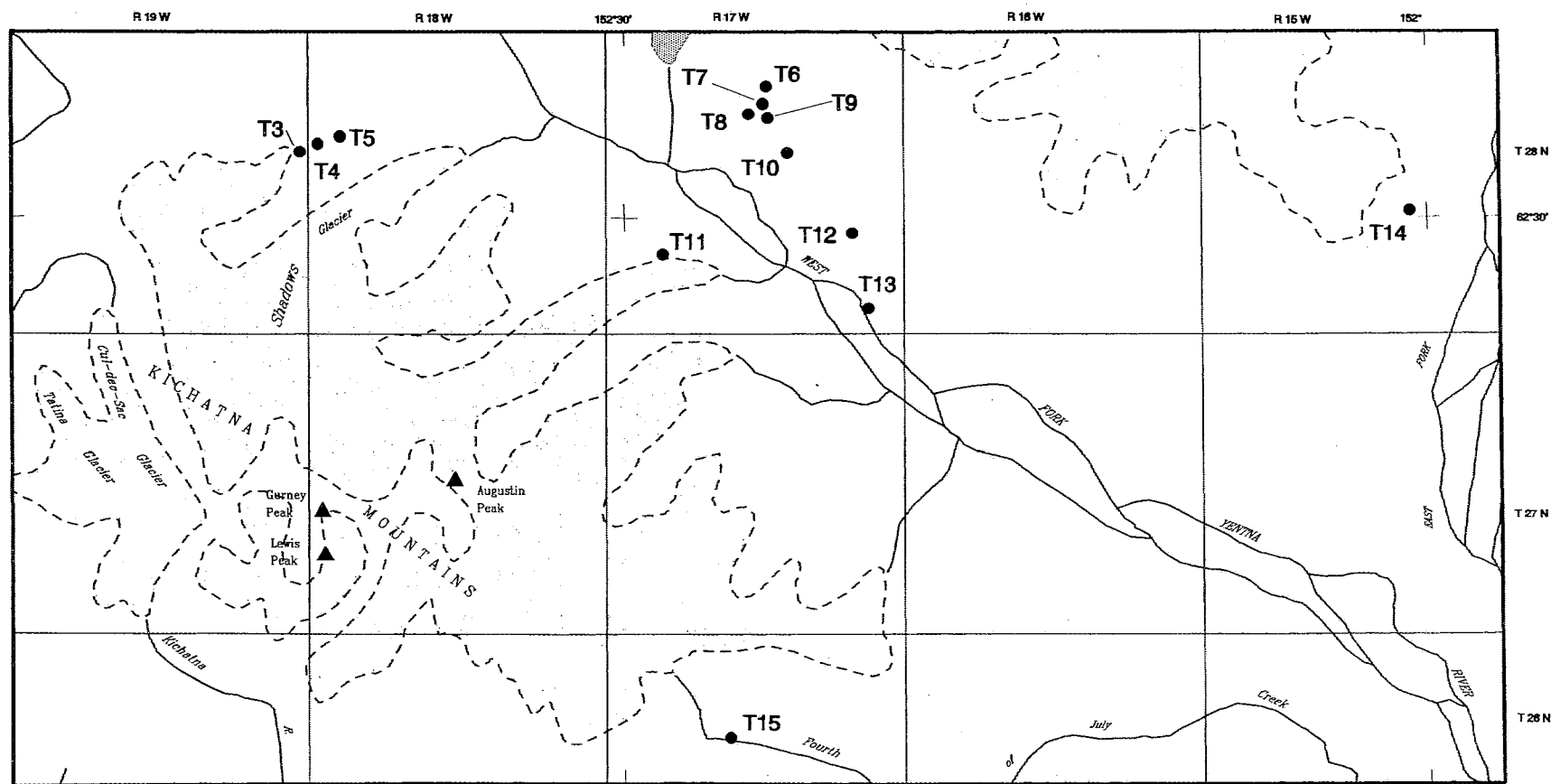


Figure 2a. — Talkeetna(T) sample locations.



Base adapted from U.S.G.S. 1:250,000 scale Talkeetna quadrangle



Figure 2b. - Talkeetna(T) sample locations.

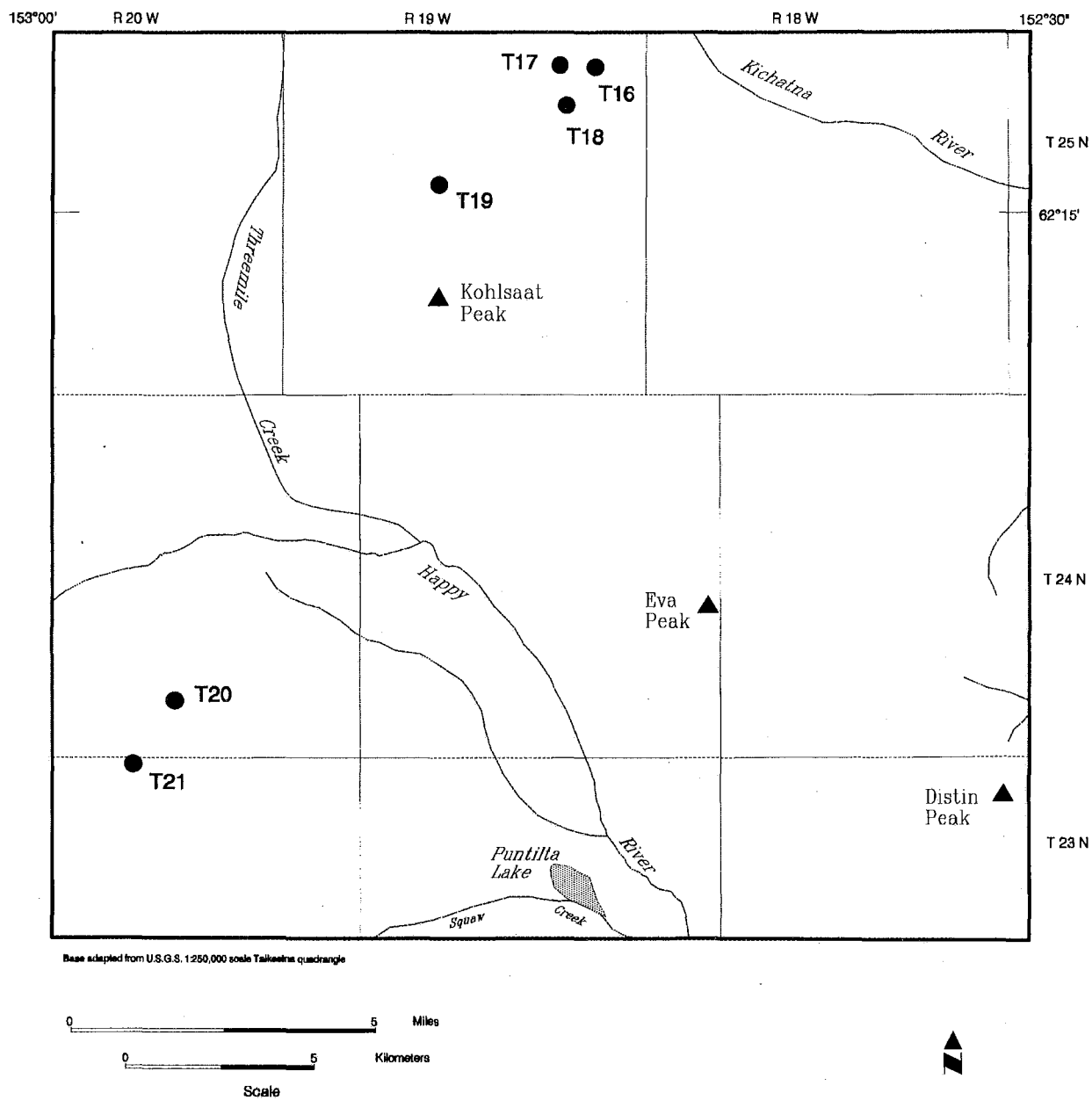


Figure 2c. – Talkeetna(T) sample locations.

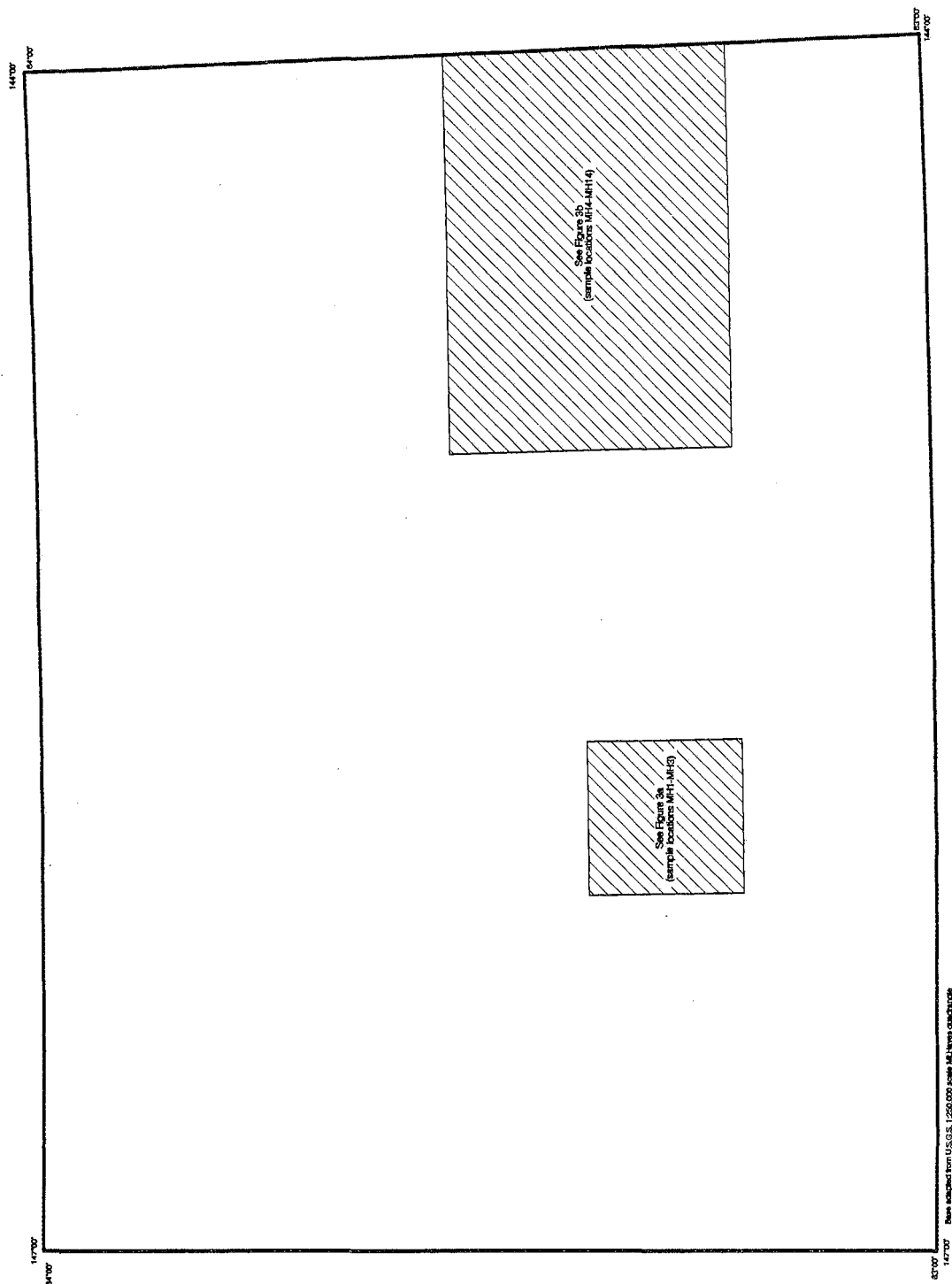


Figure 3. - Index map of Mt. Hayes(MH) sample locations.

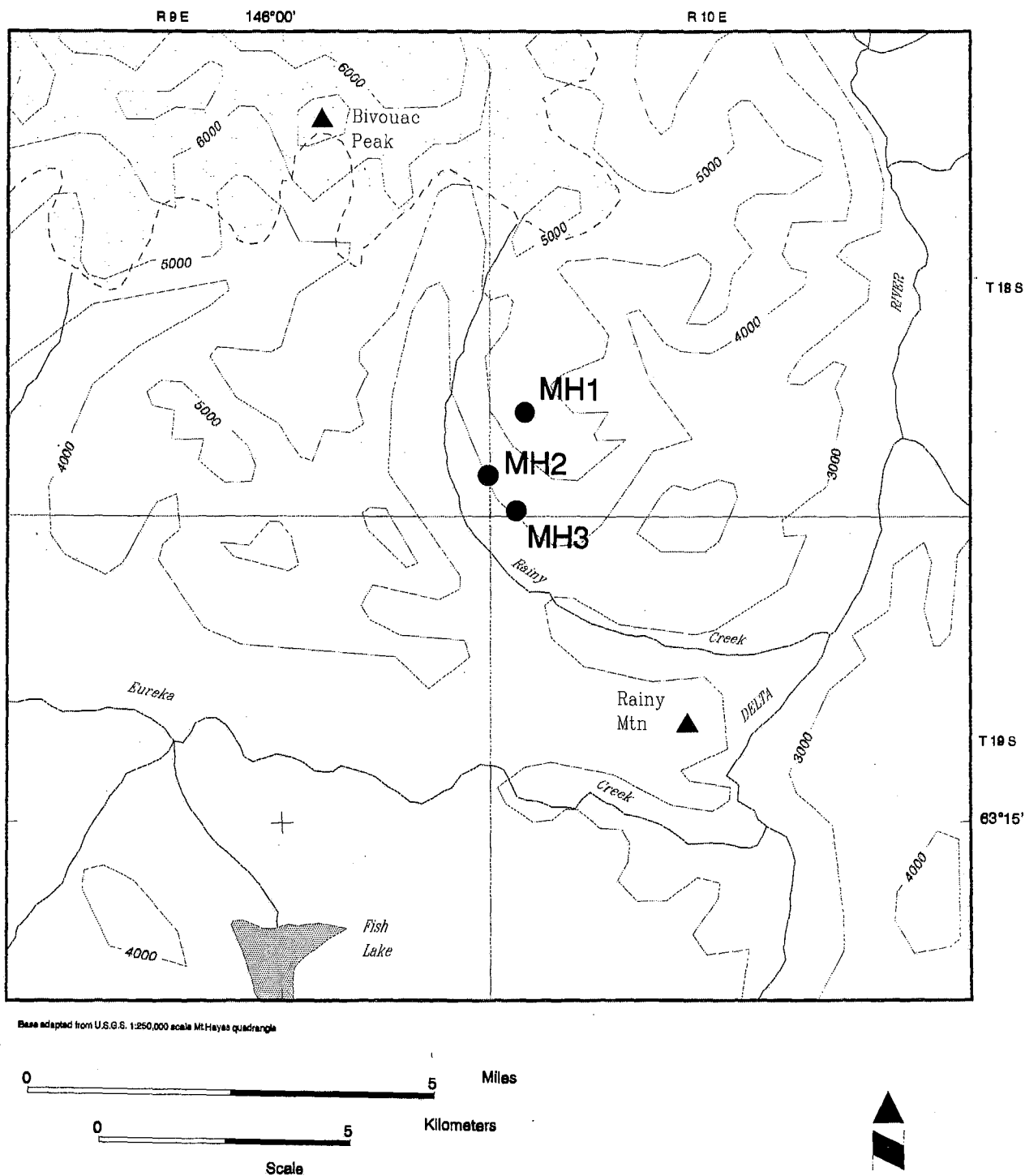


Figure 3a. - Mt. Hayes(MH) sample locations.

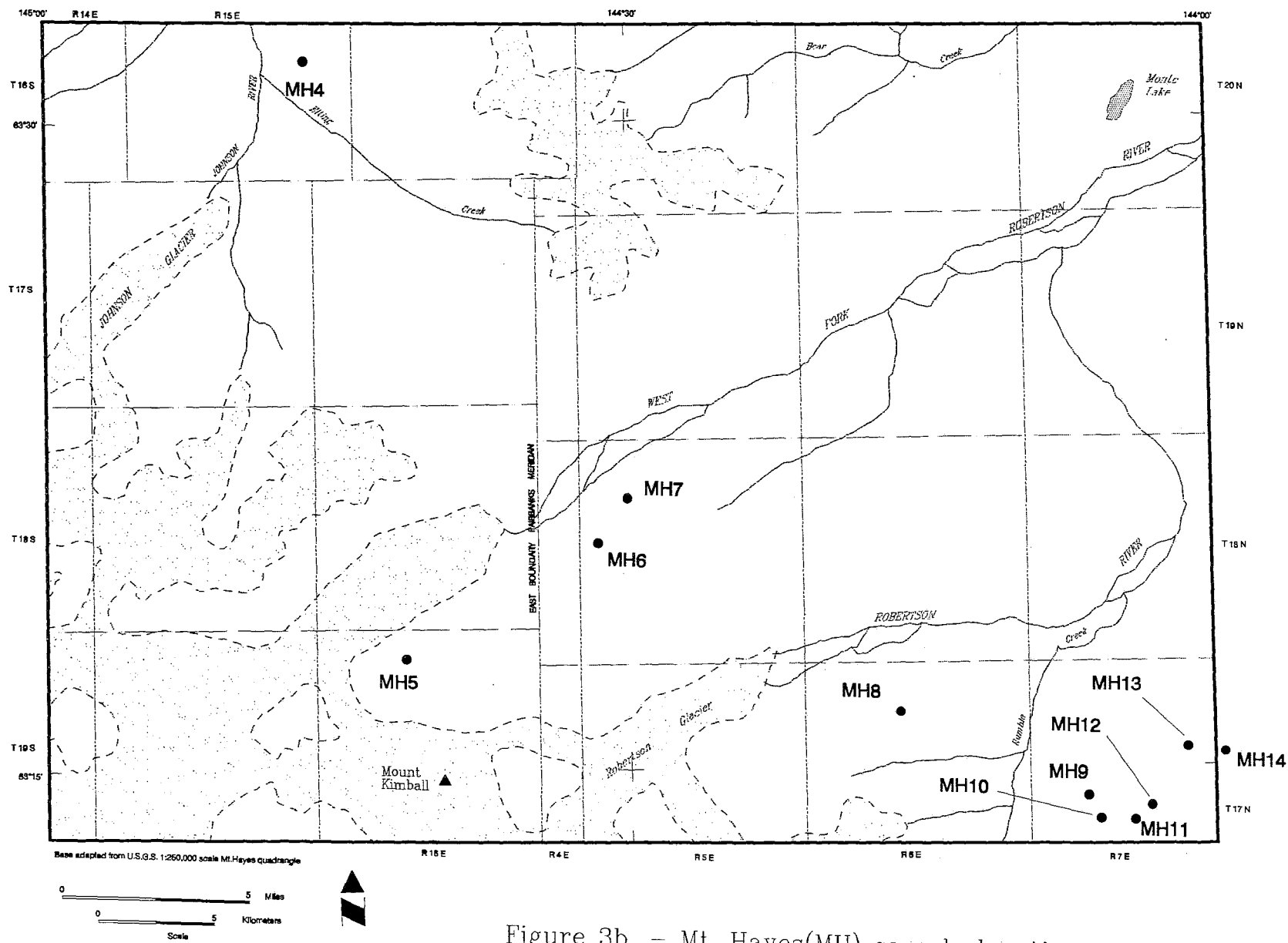


Figure 3b. - Mt. Hayes(MH) sample locations.

comprise mostly granitic rocks, with decreasing amounts of quartz monzonite, syenite, monzonite, gabbro, pyroxenite, peridotite, and aplite. The mafic and ultramafic rocks are lamprophyric, having pronounced alkaline compositions characterized by abundant mafic phenocrysts and feldspars confined to highly altered groundmass.

PGM have long been reported in placer gold concentrates from the Yentna, Kahiltna, and Kichatna River regions in the southern Alaska Range (5, 10). Although, it has been thought that the mafic and ultramafic rocks in composite plutons in the area might be the bedrock source of some of the PGM reported in the placer deposits, recent analysis of pan concentrates collected during earlier USGS studies revealed high PGM concentrations in samples taken near the margins of the composite plutons (15).

During the Bureau's field investigations, the composite plutons in the southern Alaska Range were observed to possess striking similarities to composite plutons and associated lamprophyres in the Mt. Hayes quadrangle, eastern Alaska Range. Sample sites are shown on figure 3 and chemical data for a suite of Mt. Hayes lamprophyres and related rocks are listed in the appendix. Gold and PGM were locally concentrated in lamprophyric gabbro and peridotite with abundant disseminated iron-copper-nickel sulfide minerals. Available radiometric and isotopic age data for the rocks from the two igneous suites are Late Cretaceous in age (8, 16). Chemical data indicate that copper, nickel, and PGM compositions in both Mt. Hayes and Yentna River region composite plutons and lamprophyres are similar to those of Ural-Alaskan type complexes including the Tulameen, Goodnews Bay, Blashke Islands, and Mt. Burnett complexes (fig. 4).

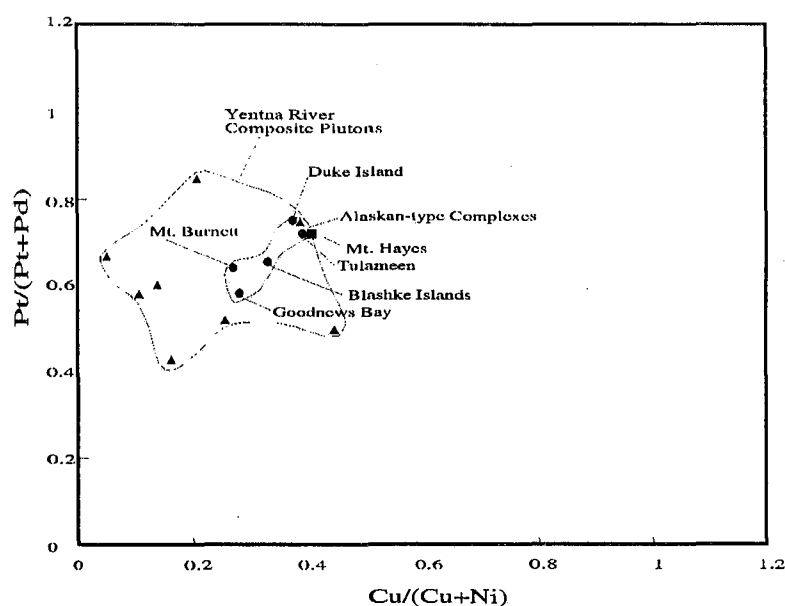


FIGURE 4. - Pt/Pt+Pd vs Cu/Cu+Ni diagram for Alaska Range composite plutons and Ural-Alaskan-type deposits.

Western Brooks Range

The Bureau conducted chromium and platinum-group metal investigations at Misheguk Mountain and Siniktanneyak Mountain, in the western Brooks Range (figs. 5-6). Relevant geologic references and earlier Bureau of Mines chromium and PGM investigations in the western Brooks Range region are summarized in Open File Report 80-92 (9). Bureau investigations in the region from 1981 to 1989 focused primarily on chromite deposits and occurrences in the ultramafic portions of ophiolites in the western Brooks Range.

The investigations resulted in the discovery and description of additional chromite occurrences in dunite at Siniktanneyak Mountain, but focused primarily on the abundance and distribution of PGM in gabbro portions of the ophiolites at Siniktanneyak Mountain and Misheguk Mountain. At Siniktanneyak and Misheguk Mountains, elevated PGM concentrations were detected in a variety of gabbro, troctolite, and related ultramafic rocks that contain accessory iron-copper-nickel sulfide minerals. The chromite occurrences and the more significant PGM concentrations at Siniktanneyak Mountain are summarized in Open File Report 80-92 (9).

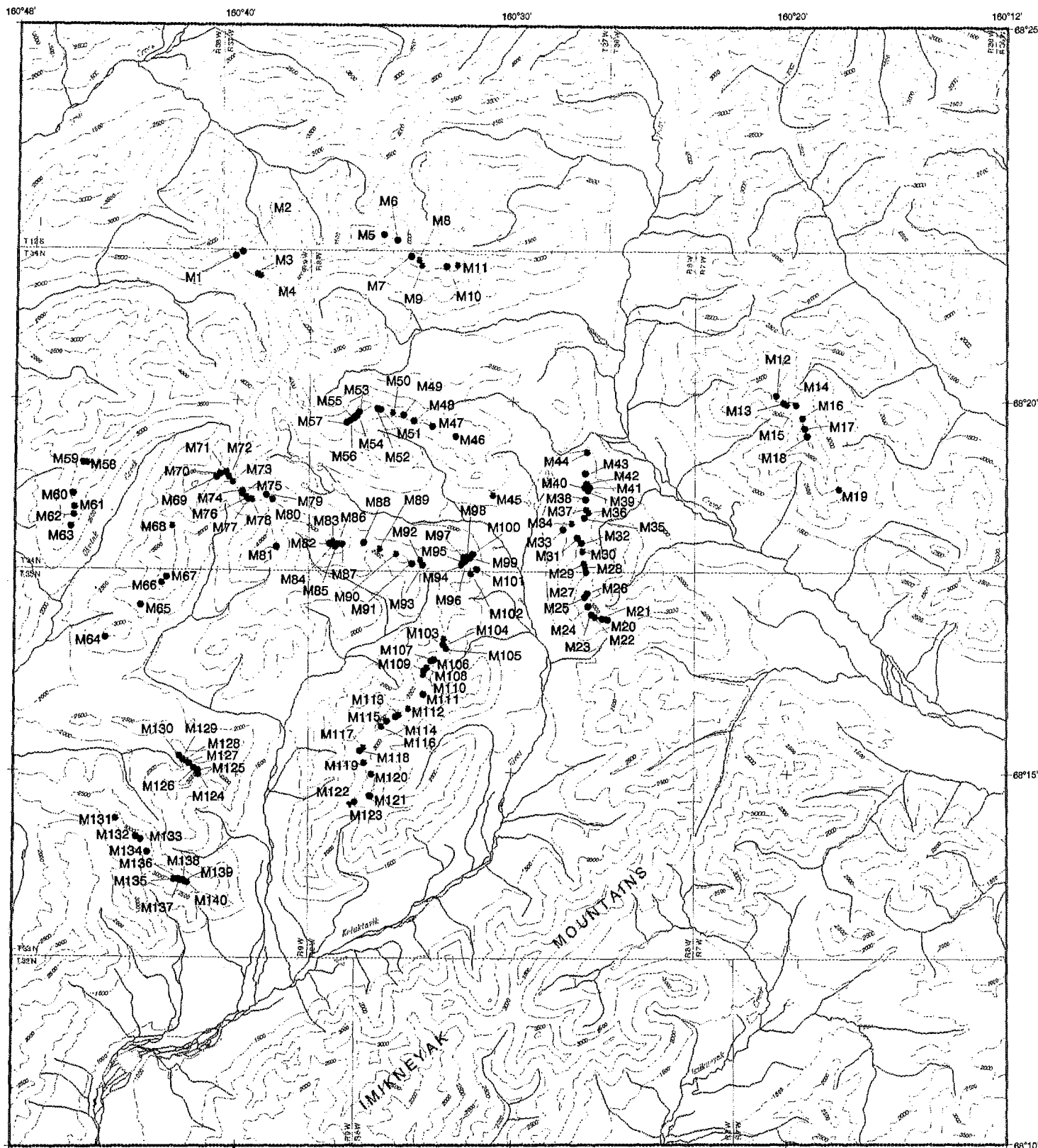
Siniktanneyak Mountain was also mapped and sampled in 1992 by Damon Bickerstaff, a graduate student at West Virginia University, Morgantown, WV. The results of his study will be in his Ph.D. thesis.

A compilation of all Bureau geochemical data for samples collected in the Western Brooks Range ophiolites since 1981 is being compiled into a separate report by Michael Miller, a graduate student at West Virginia University, Morgantown, WV.

INDIUM

In 1991, the Bureau started an investigation of the indium resources of Alaska. Data collection has focused on indium associated with tin deposits. This work will delineate the occurrence of indium in hydrothermal systems with emphasis on its mineralogical, petrological, and metallogical zoning patterns. The occurrence of indium in the Lost River tin deposit was investigated in 1991 and 1992. Sixty grab samples, 3 bulk samples of approximately 27 kg each, and 12 soil samples were taken from the deposit (figures 7-8, appendix). The grab samples contained up to 750 ppm indium.

Three bulk samples were taken from areas which had been shown to contain anomalously high indium as a result of the 1991 sampling project. Two samples (SP28152, SP28153, fig. 8) were from the Muskox prospect pit in Tin Creek (LR7, fig. 7) and one sample (SP28154) is from the dump at Lost River mine (LR3, fig. 7). Results are listed in Tables 1 and 2.



Base adapted from U.S.G.S. Misheguk Mountain (A-3 and B-3) 1:63,360 scale quadrangle



Figure 5. – Misheguk Mountain(M) sample locations.

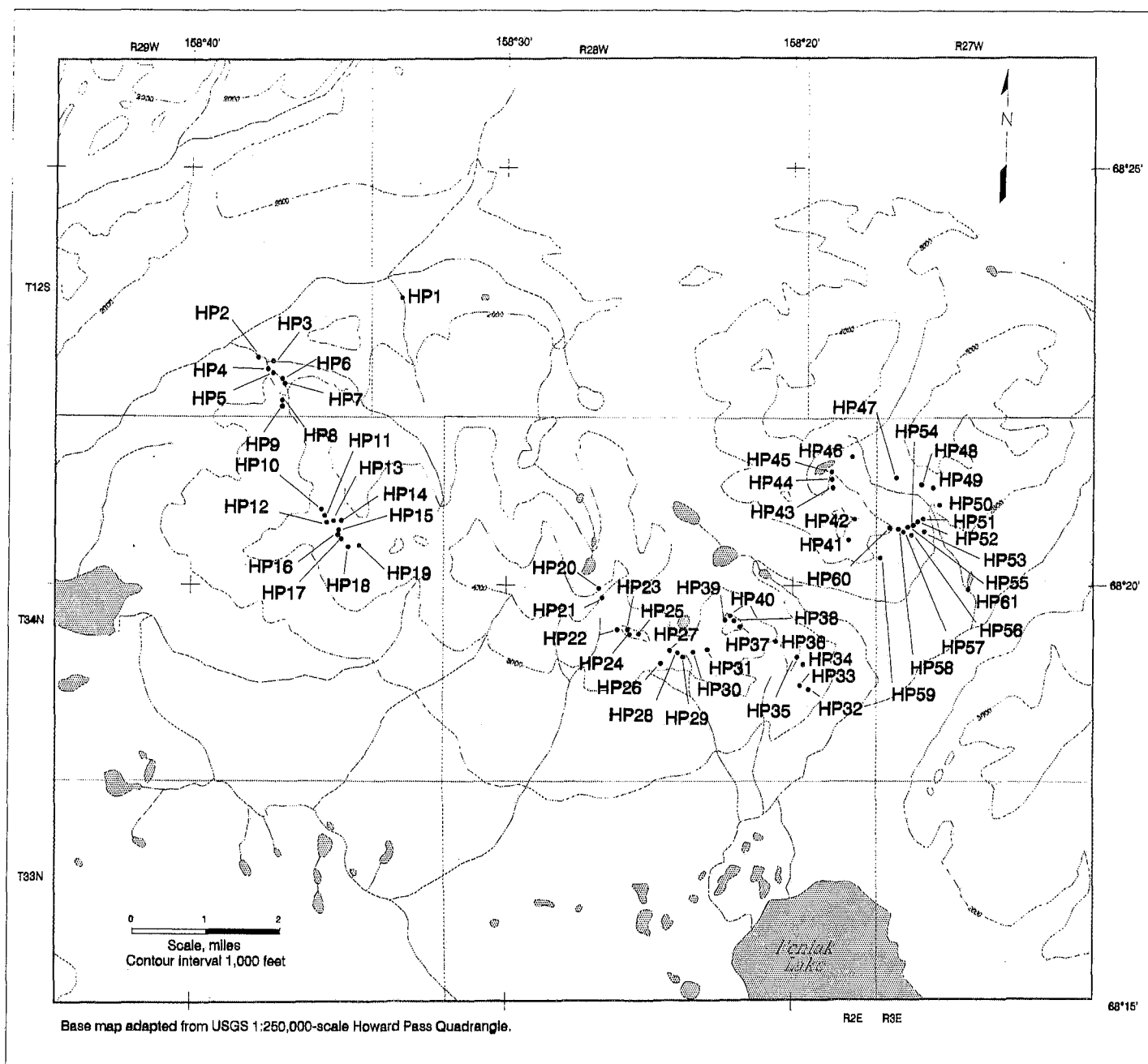


Figure 6 . - Siniktanneyak Mountain sample locations (Howard Pass HP quadrangle).

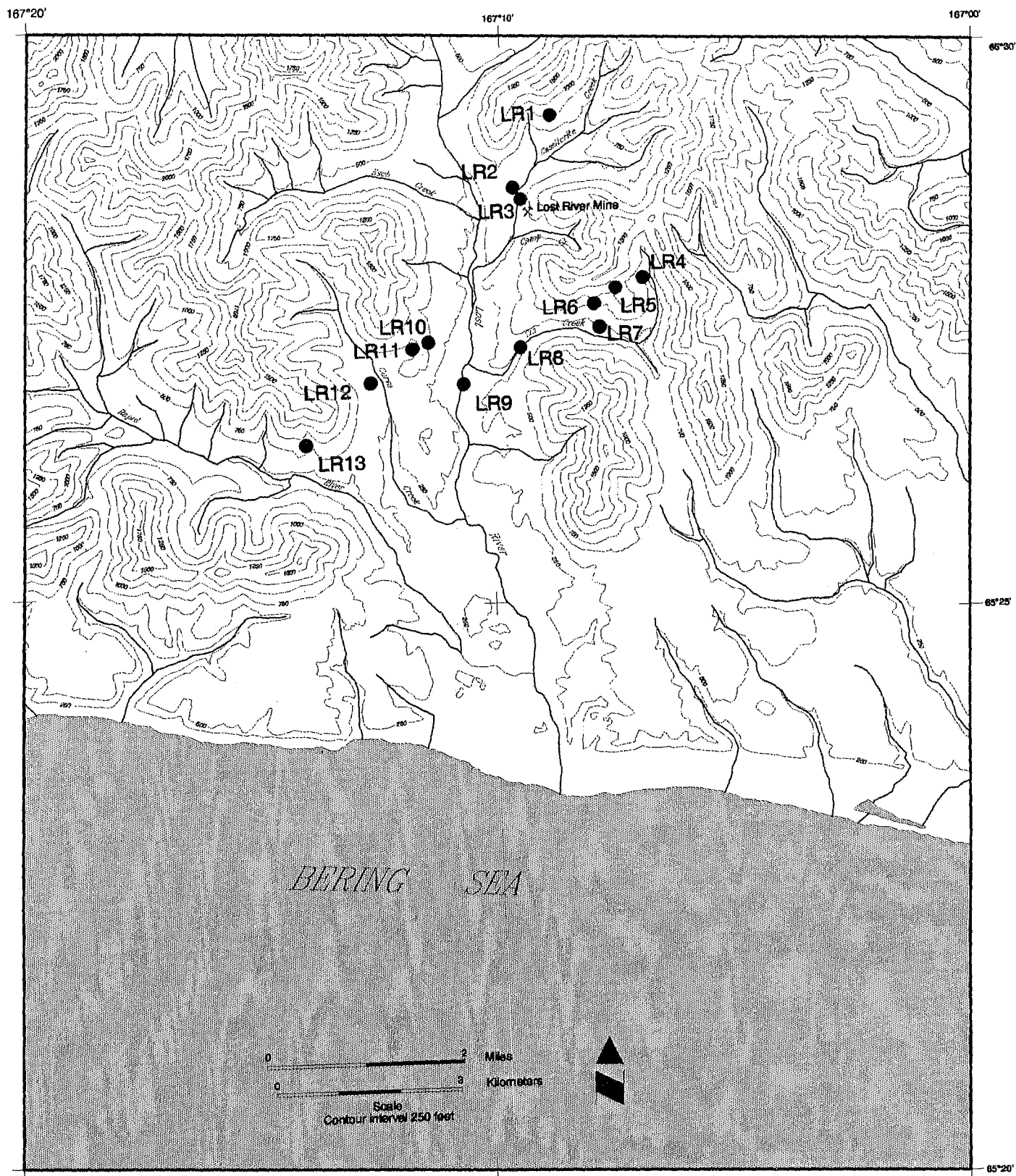


Figure 7. - Lost River(LR) sample locations.

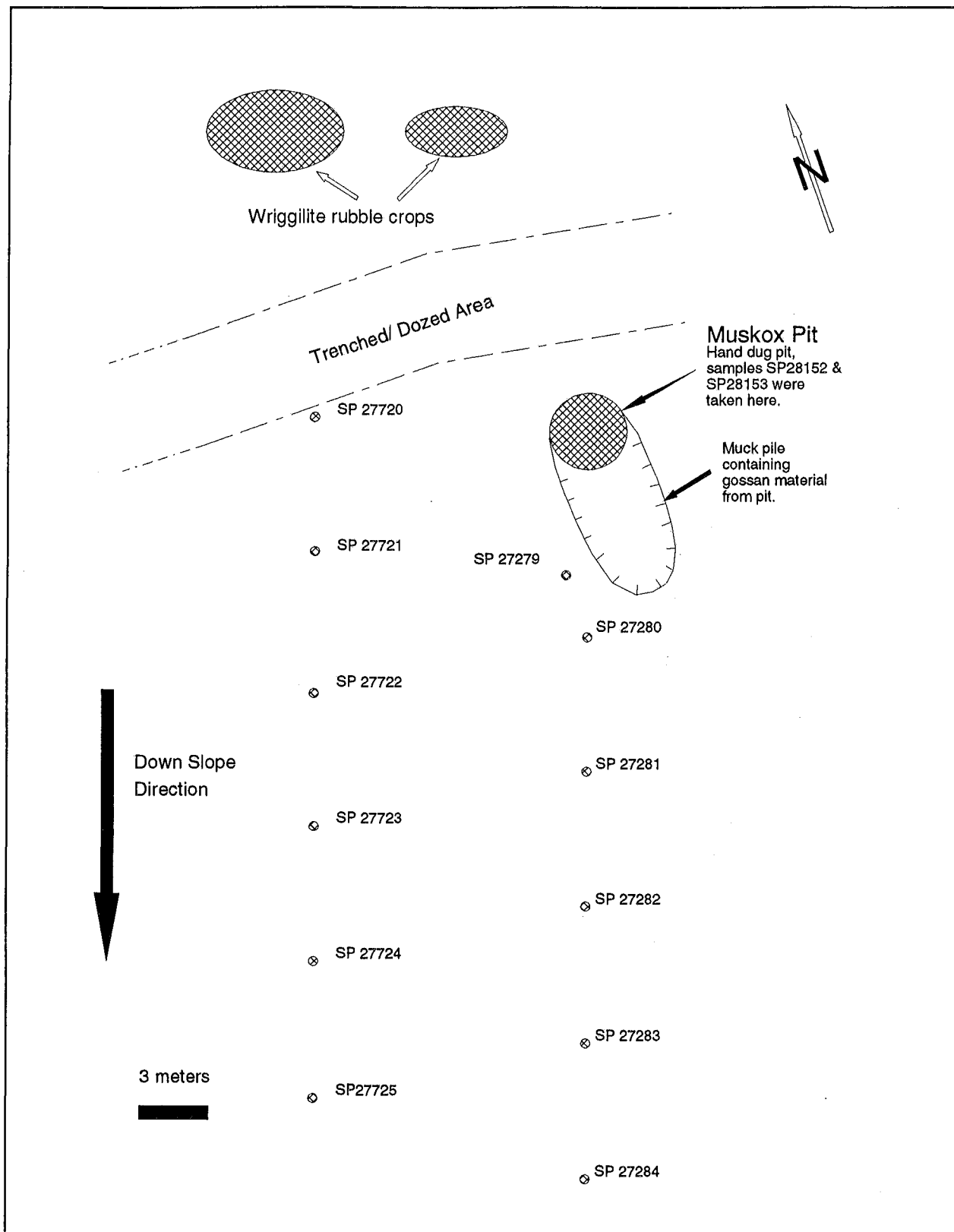


FIGURE 8. - Map of Muskox pit area with soil sample locations.

TABLE 1.- Analytical results of the Lost River bulk samples.

Sample #	Analyses, %*							
	In(DCP)	In(FAA)	Cu	Zn	Sn	Cd	Pb	As
SP 28152	0.0282	0.0267	0.278	2.93	0.74	<0.041	0.79	19.8
SP 28153	0.0124	0.0162	0.277	1.28	0.30	<0.041	<0.49	17.2
SP 28154	0.0027	0.0081	<0.100	2.97	0.74	<0.041	3.89	<0.61

*All analysis except for indium were performed by the Bureau's Salt Lake City, UT Research Center. Direct coupled plasma (DCP) indium results were determined by XRAL, Laboratories⁴ with reported detection limits of 2 ppm and a relative precision of 5% at 100 ppm concentrations. Flame atomic absorption (FAA) indium results were determined by Bondar-Clegg, Inc.⁴, which reports a 1 ppm detection limit and a relative precision of 50% at 100 ppm concentration levels.

TABLE 2.- Results of sulfide flotation tests performed on sample SP28154.

Product	Weight	Analysis In % ⁵	Distribution In %
Rougher concentrate	18.2	0.0123	40.7
Rougher tails	81.8	0.0039	59.3
Calculated Head	100.0	0.0054	100.0

⁵Indium analysis performed by Bondar-Clegg, Inc.⁴ via FAA.

The small prospect pit located in the Tin Creek drainage consists of a pod of massive polymetallic sulfide minerals surrounded by a small aureole of wriggilite skarn in massive limestone. The principle sulfide mineral is arsenopyrite, which has been variably altered to scorodite. Sphalerite, pyrite, chalcopyrite, and galena occur as accessory minerals to the arsenopyrite. The prospect pit is 3 by 2 meters in plan section and 1.2 meters deep. A sphalerite and galena rich sample (LR7, SP28613, appendix, fig. 7) contained 750 ppm In as well as 4.78% Zn, 4.13% Pb, 126 ppm Ag and 0.31% Sn; therefore, bulk samples (SP28152-53, table 1, fig. 8) were collected from the same site. The samples were collected from a pile of sulfide boulders and cobbles from the same pit by selecting samples that had a high sphalerite content.

Approximately 27 kg of sphalerite-rich greisen (estimated to be 10-15% sphalerite by volume) was collected from the Lost River Mine (SP28154, tables 1-2). Molybdenite, galena, cassiterite, and possibly wolframite were also present in the sample. Flotation tests were performed on sample SP28154 by the Salt Lake City, UT Research Center to investigate the possibility of concentrating the indium in the sample. Results are listed in table 2. The flotation feed was crushed to minus 65 mesh, conditioned for 10 minutes at 25% solids with 0.75 kg/mt potassium amyl xanthate (KAX), 0.25 kg/mt CuSO₄, 0.1 kg/mt methyl isobutyl carbinol (MIBC) and 2 kg/mt lime.

Twelve soil samples were taken down hill from the Tin Creek prospect pit (fig. 8).

⁴Reference to specific companies or products does not imply endorsement by the U.S. Bureau of Mines.

Figure 8 is a sketch map of the Muskox pit and the soil sample grid. Only four samples (LR7, appendix, figs. 7-8) contained greater than 1 ppm indium.

MANGANESE

Investigation of the manganese resource potential of Alaska started in 1991. Reconnaissance investigations of the Wiseman, Liberty Falls, Prince William Sound, and Homer areas were conducted (figs. 9-14).

Wiseman Area

Statistical evaluation of National Uranium Resource Evaluation (NURE) stream sediment data revealed anomalous manganese values in streams draining Twelvemile Mountain and Twoday Mountain, in the Wiseman quadrangle (fig. 9). The intent of the Bureau's investigation was to correlate these stream sediment anomalies with specific rock units or mineral deposits at each location.

Manganese mineralization occurs within the basalt-chert units of the Narvak thrust panel of the Angayucham-Tozitna terrane which is described by Patton and others (18). The basalt-chert unit constitutes the bulk of the Narvak thrust panel, which is one of three thrust panels that compose the Angayucham-Tozitna terrane (18). The Narvak thrust panel represents the middle unit of an ophiolite complex. A mafic-ultramafic rock suite make up the lower unit (Kanuti thrust panel). The upper unit (Slate Creek panel) comprises phyllite and metagraywacke and minor amounts of carbonate rocks, basalt flows, and basalt breccias (18). The thrust panels are south-dipping, and inversely imbricated, with the Slate Creek panel to the north and the Kanuti panel to the south of the Narvak thrust panel.

The Bureau found several small rubble occurrences of manganese mineralization within Narvak thrust panel rocks. The chert-hosted manganese mineralization occurs in close proximity to mafic volcanic rocks. Reddish-brown siliceous umber, with a Mn-oxide rind, occurs scattered in rubblecrop on the north slope of Cathedral Mountain. A sample from this area contained 25.98% Mn (W63, appendix, fig. 9). At other locations along strike samples of psilomelane-coated chert rubble occur and have manganese concentrations ranging between 2.06 to 9.83% (W60-63, appendix, fig. 9). These appear to represent secondary manganese concentrations. Further to the east of Cathedral Mountain talus blocks up to 30 cm in diameter of pink and cream-colored silicates contain as much as 22.23% Mn (C14, appendix, fig. 10). Nearby this occurrence, black, manganese-oxide stained chert, with fine- to coarse-grained chalcopyrite contain as much as 16.36% Mn (C14, appendix, fig. 10). None of the manganese mineralized rubble crops extend for more than 30 meters in any direction.

Secondary manganese mineralization also occurs in the Alatna Hills west of Deadman Mountain (fig. 9). A rubblecrop of psilomelane-stained and fractured chert contained as much as 1.8% Mn (W77-78, appendix, fig. 9). The chert is associated with mafic pillow basalts which are part of the Narvak thrust panel. Further west, in the Help Me Jack Hills, rhodochrosite (MnCO_3), manganite ($\text{MnO}(\text{OH})$), and pyrolusite occur in altered mafic volcanic rocks and phyllite (17). The occurrence has not been examined in detail and no analytical results are available. Host rocks are undifferentiated altered volcanic rocks and phyllite in

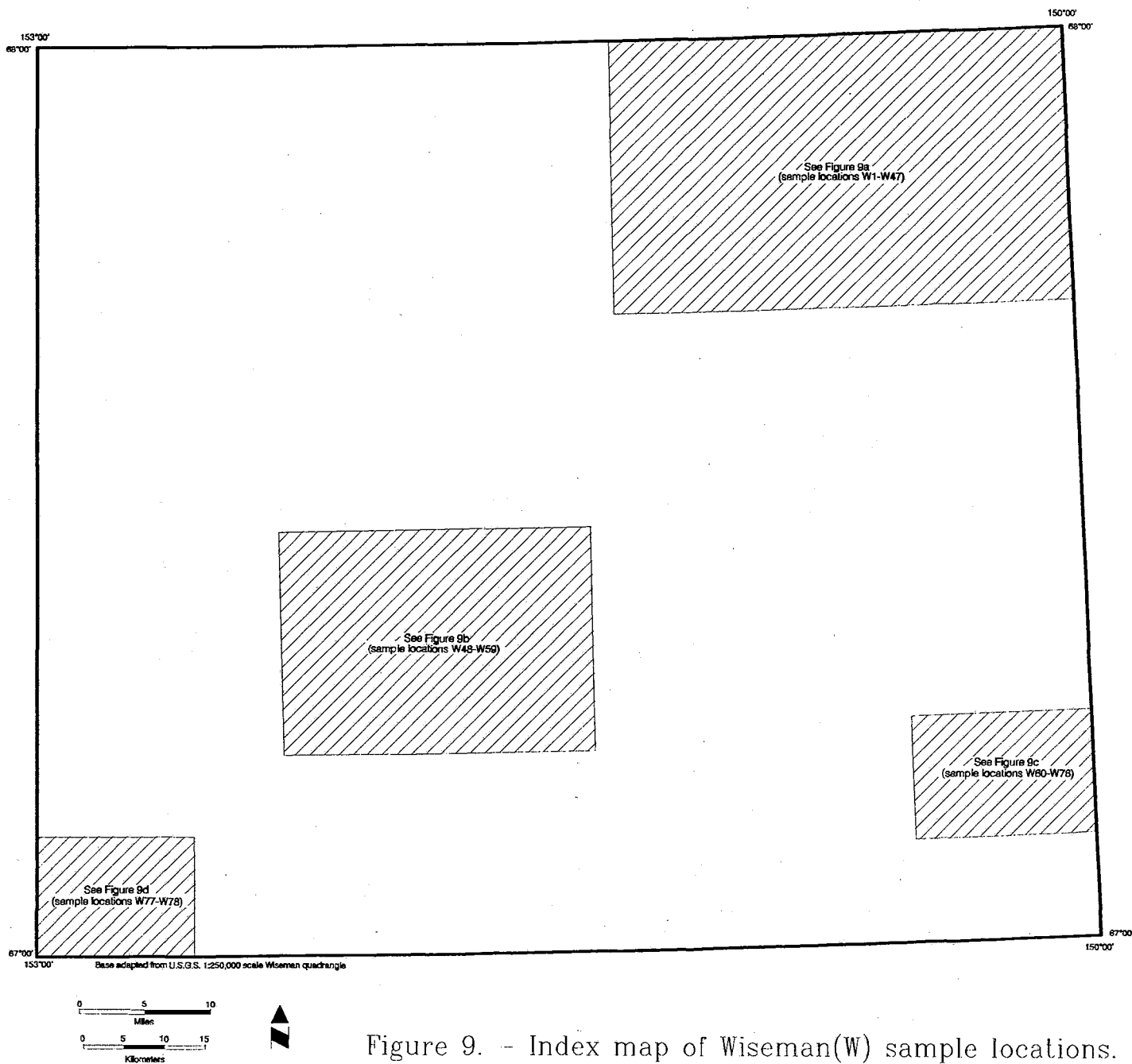
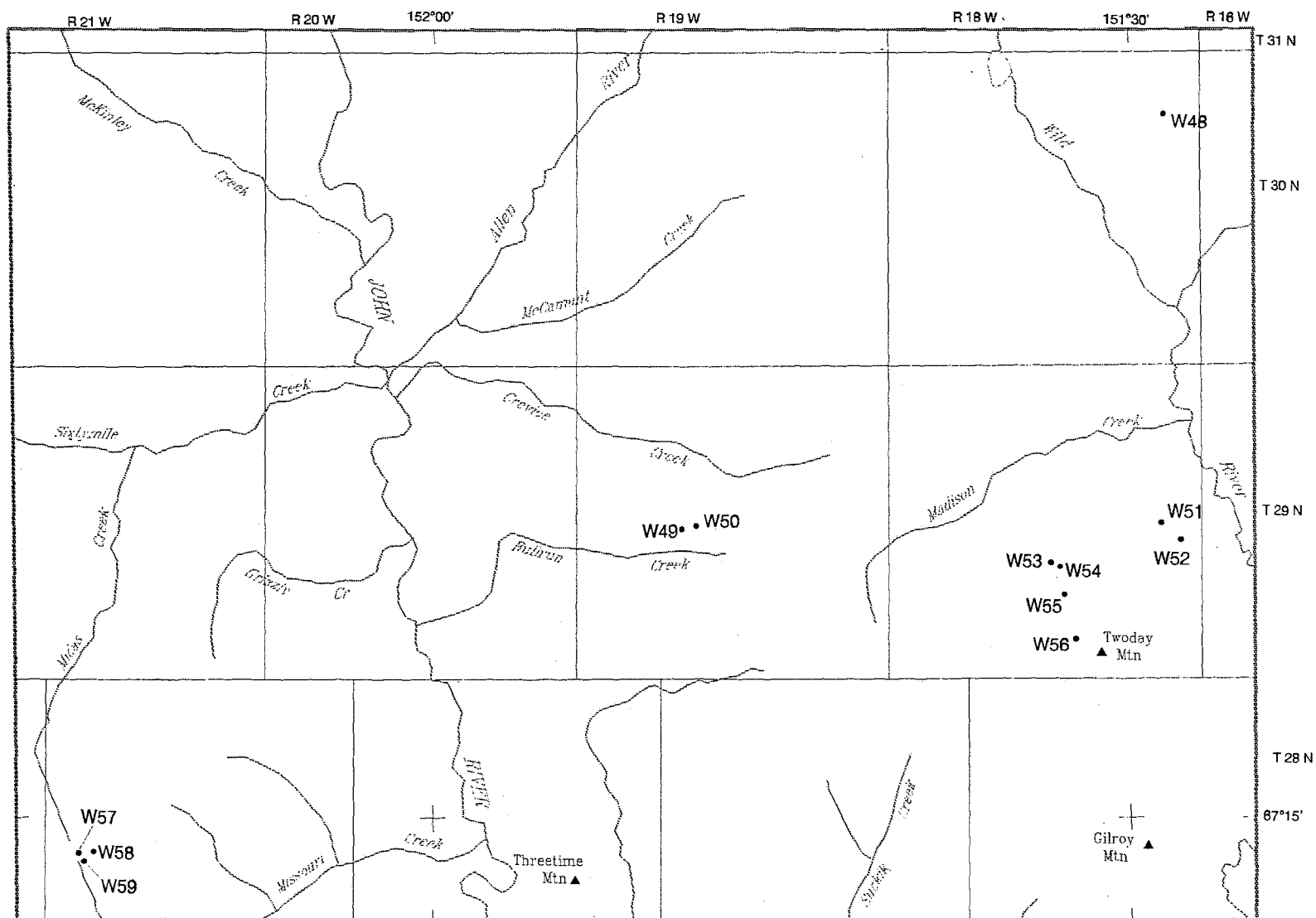


Figure 9. - Index map of Wiseman(W) sample locations.

Figure 9a. – Wiseman(W) sample locations.



Base adapted from U.S.G.S. 1:250,000 scale Wiseman quadrangle

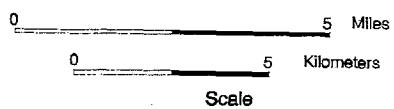
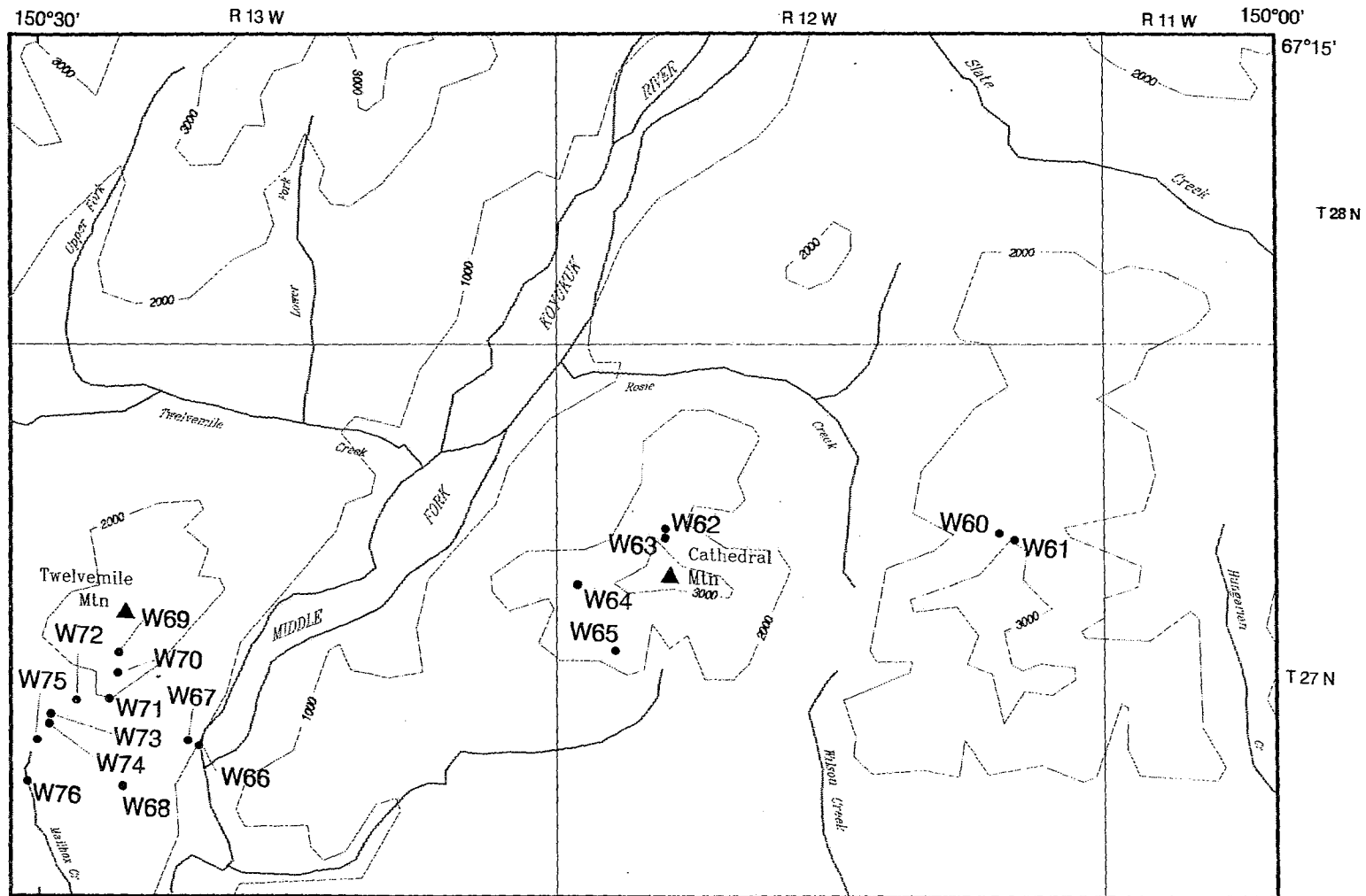


Figure 9b. - Wiseman(W) sample locations.



Base adapted from U.S.G.S. 1:250,000 scale Wiseman quadrangle

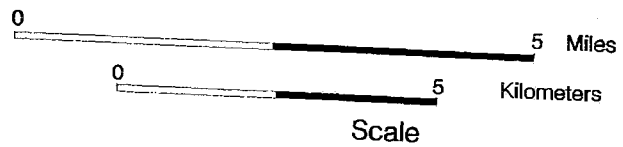


Figure 9c. - Wiseman(W) sample locations.

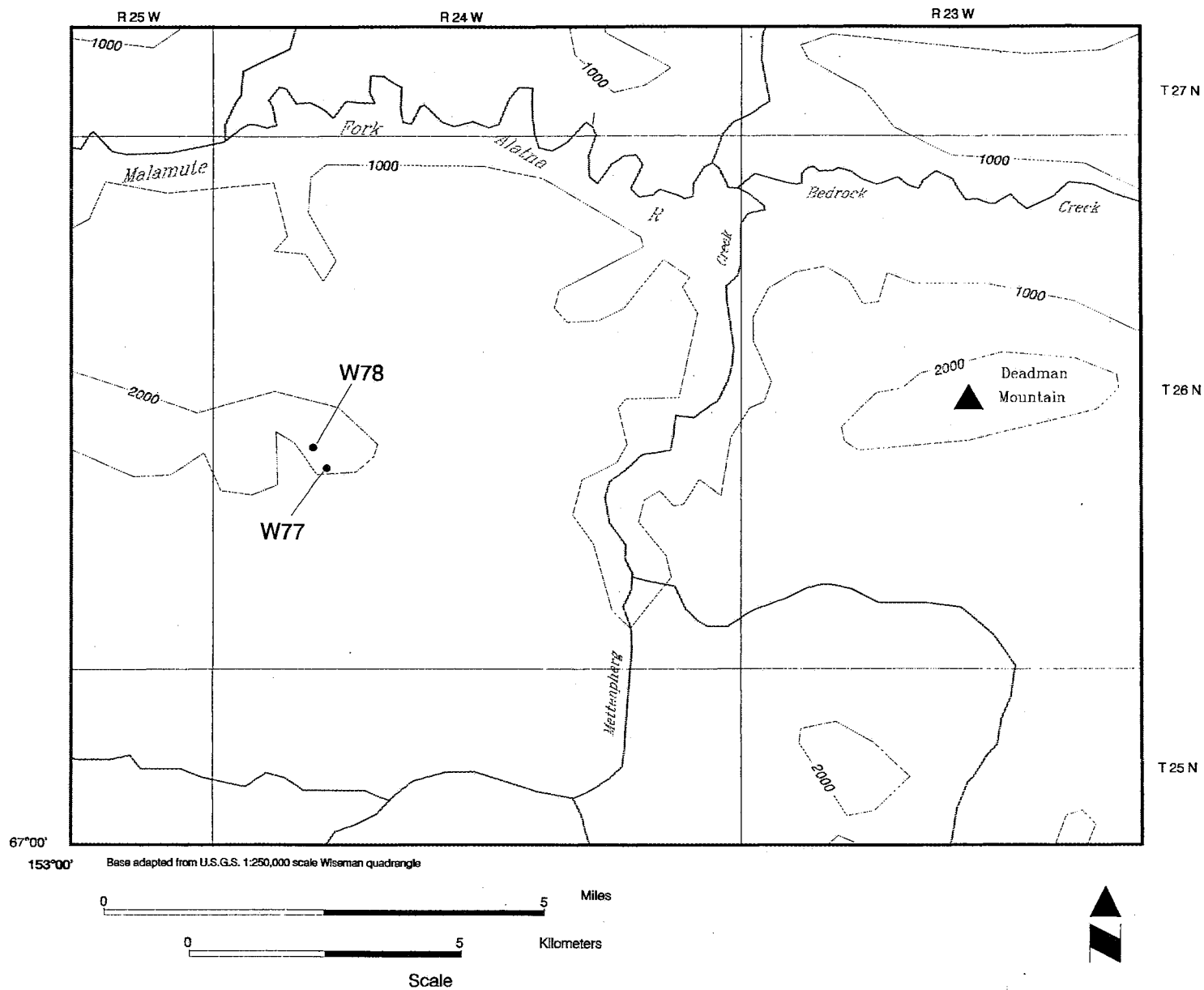


Figure 9d. – Wiseman(W) sample locations.

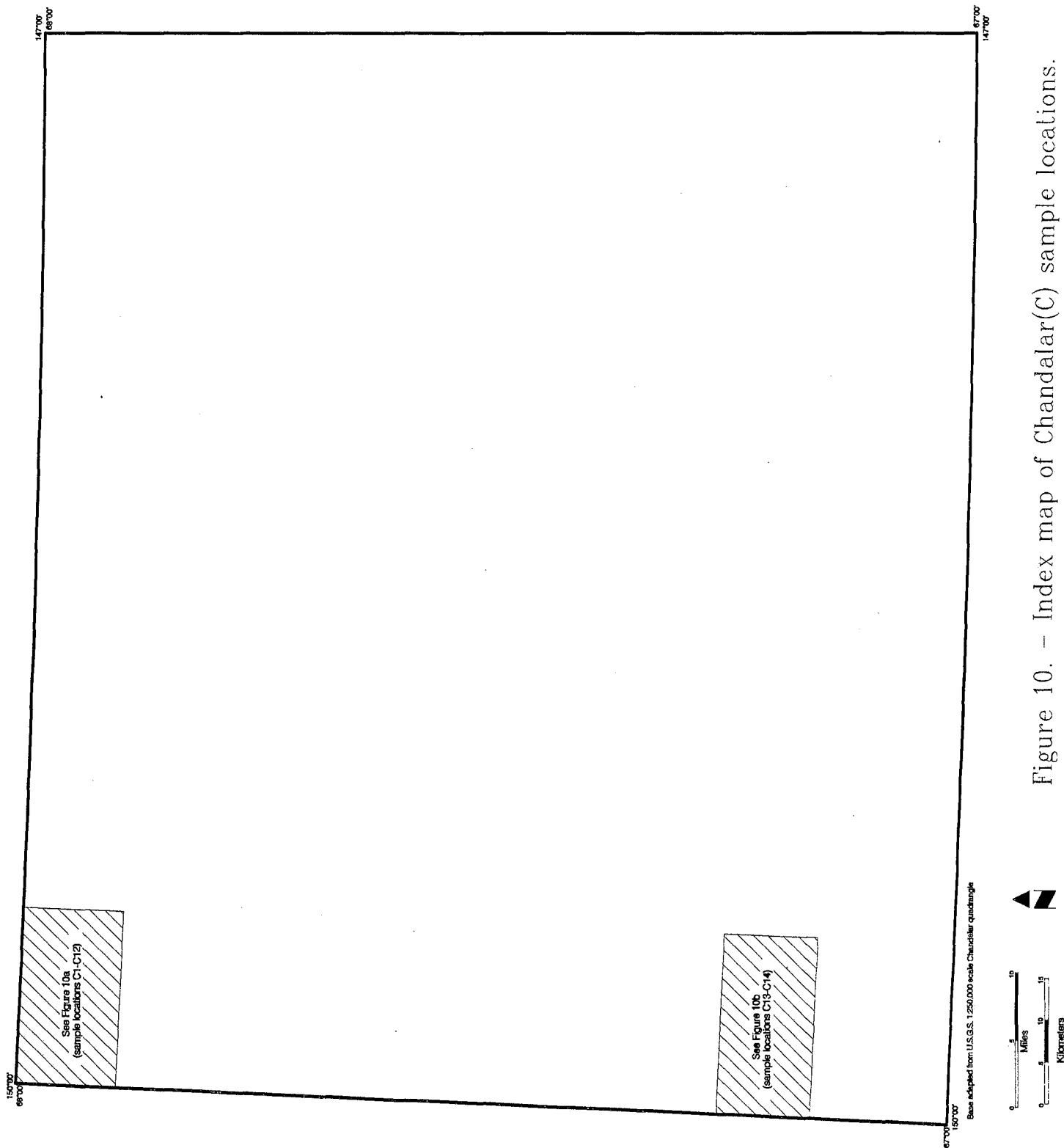
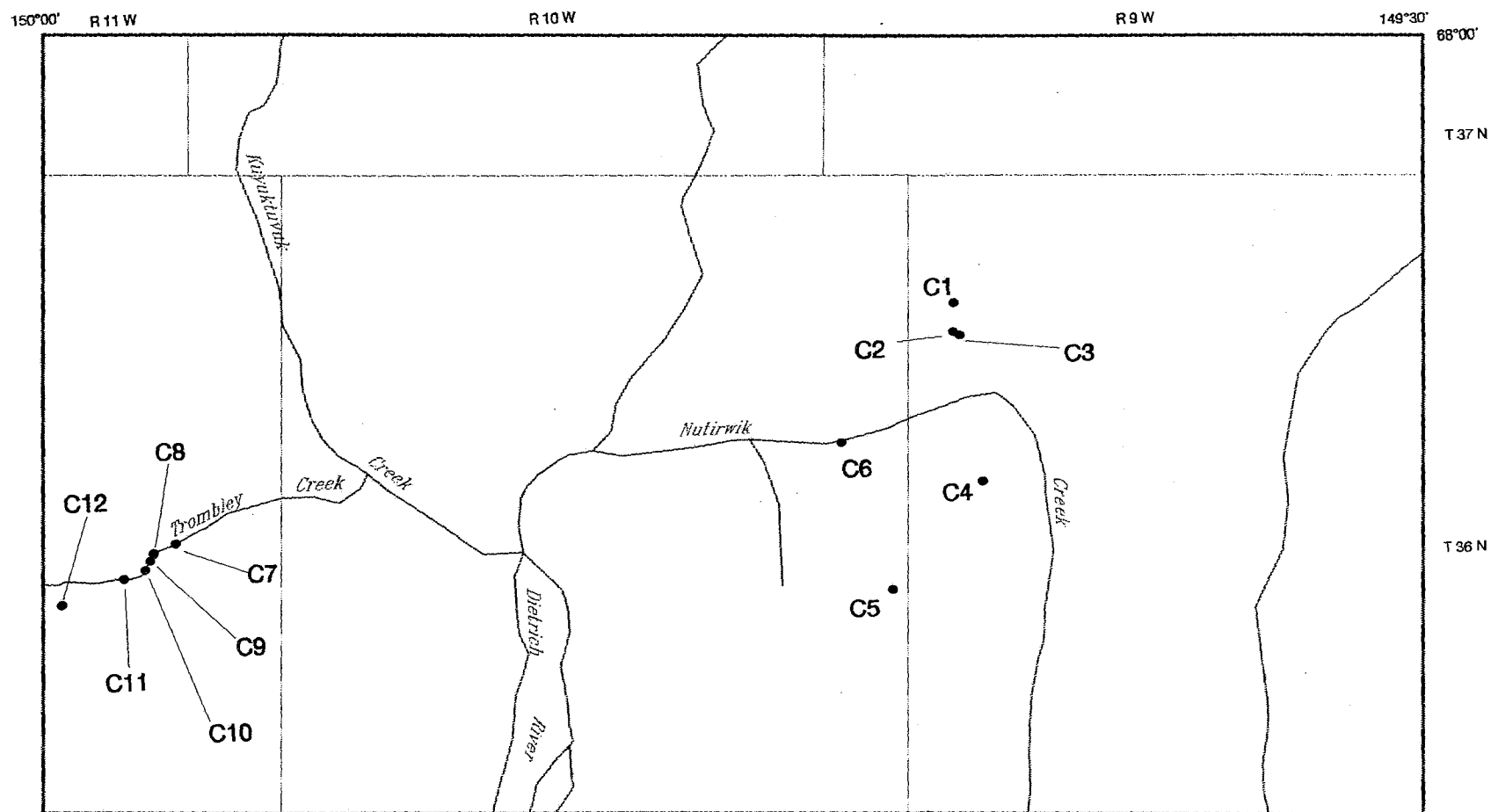
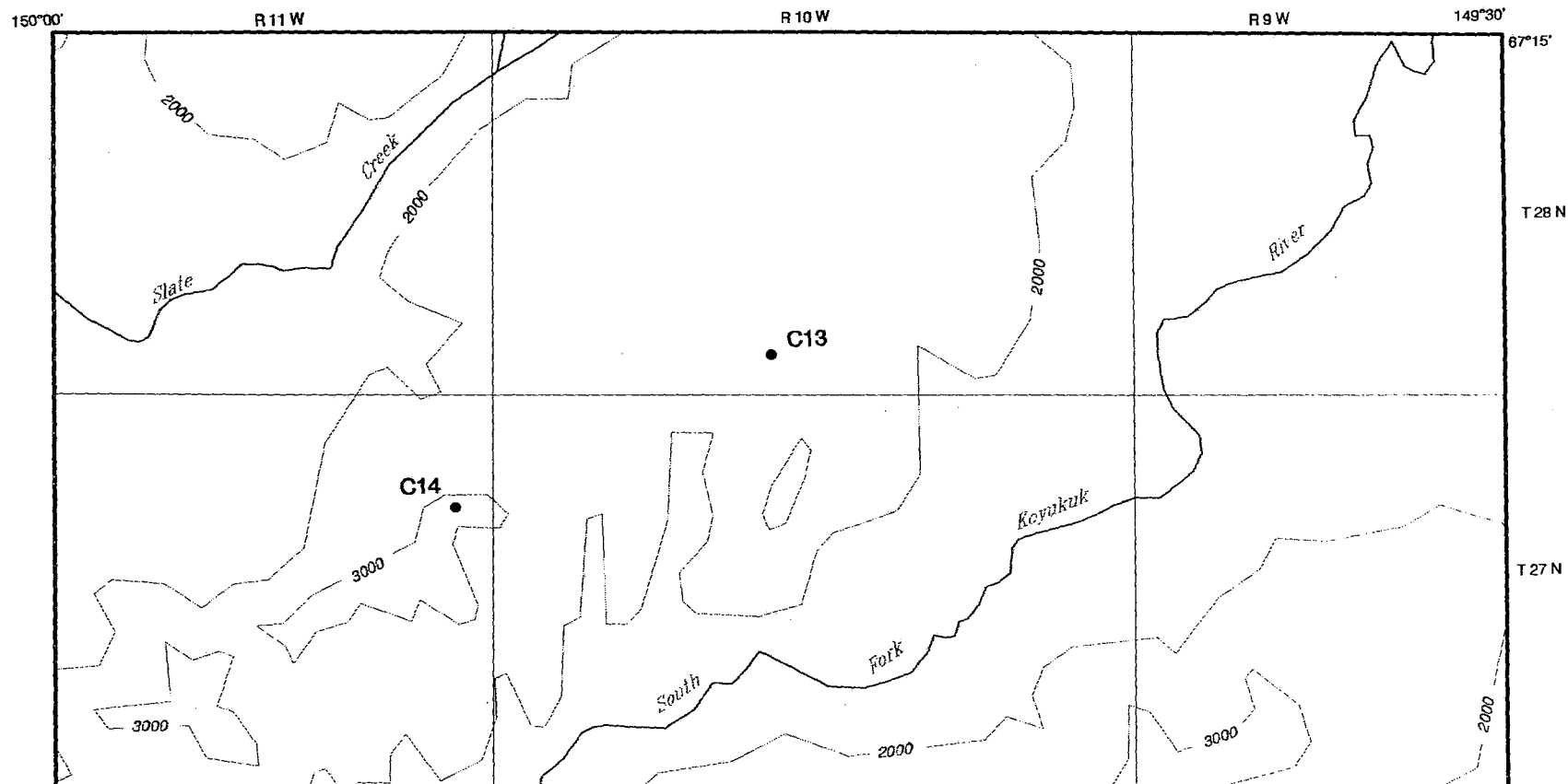


Figure 10. - Index map of Chandalar(C) sample locations.



Base adapted from U.S.G.S. 1:250,000 scale Chandalar quadrangle

Figure 10a. - Chandalar(C) sample locations.



Base adapted from U.S.G.S. 1:250,000 scale Chandalar quadrangle

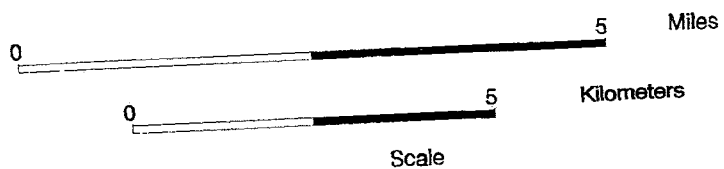


Figure 10b. - Chandalar(C) sample locations.

complex fault and intrusive relationships. The sequence includes some chert and is tentatively assigned a Devonian age on the basis of correlation with similar rocks in the southern part of the Wiseman and Chandalar quadrangles (17). These rocks are part of the Narvak thrust panel.

In the Twoday Mountain area of the central Wiseman quadrangle NURE data indicated stream sediment manganese anomalies on the order of 8% and >10% Mn. The Bureau examined the bedrock in the drainage areas represented by these samples and found no indication of manganese mineralization in the bedrock or in stream sediment samples (W51-56, appendix, fig. 9).

Liberty Falls Area

The Liberty Falls manganese occurrence was first sampled and described by Jasper (13). However, no effort was made at that time to evaluate the occurrence.

The occurrence is located along a narrow northwest-trending ridge west of Liberty Creek and 600 meters west-southwest of the Liberty Falls campground (fig. 11). The campground is located approximately 13 km west of Chitina along the Edgerton Highway. The occurrence is easily accessed along a trail from the campground.

Stratabound manganese mineralization is contained within poly-deformed greenschist/blueschist facies metamorphosed mafic volcanic rocks called the Liberty Creek schist (21). A basaltic composition is suggested by the two whole rock major oxide analyses of host rocks collected above and below a lens of manganese mineralization (table 3). Schistosity is well developed and trends parallel to the narrow ridge on which the manganese mineralization occurs. Mapping to the southeast along the road to Chitina indicates that the Liberty Creek schist forms a north-verging, asymmetric anticlinorium. Mineralization has only been found on the north limb of the anticlinorium. The Liberty Creek schist is bound to the north by the Border Ranges Fault System which is buried under approximately a hundred meters of alluvium. Glaciation has scoured and exposed the bedrock at the deposit.

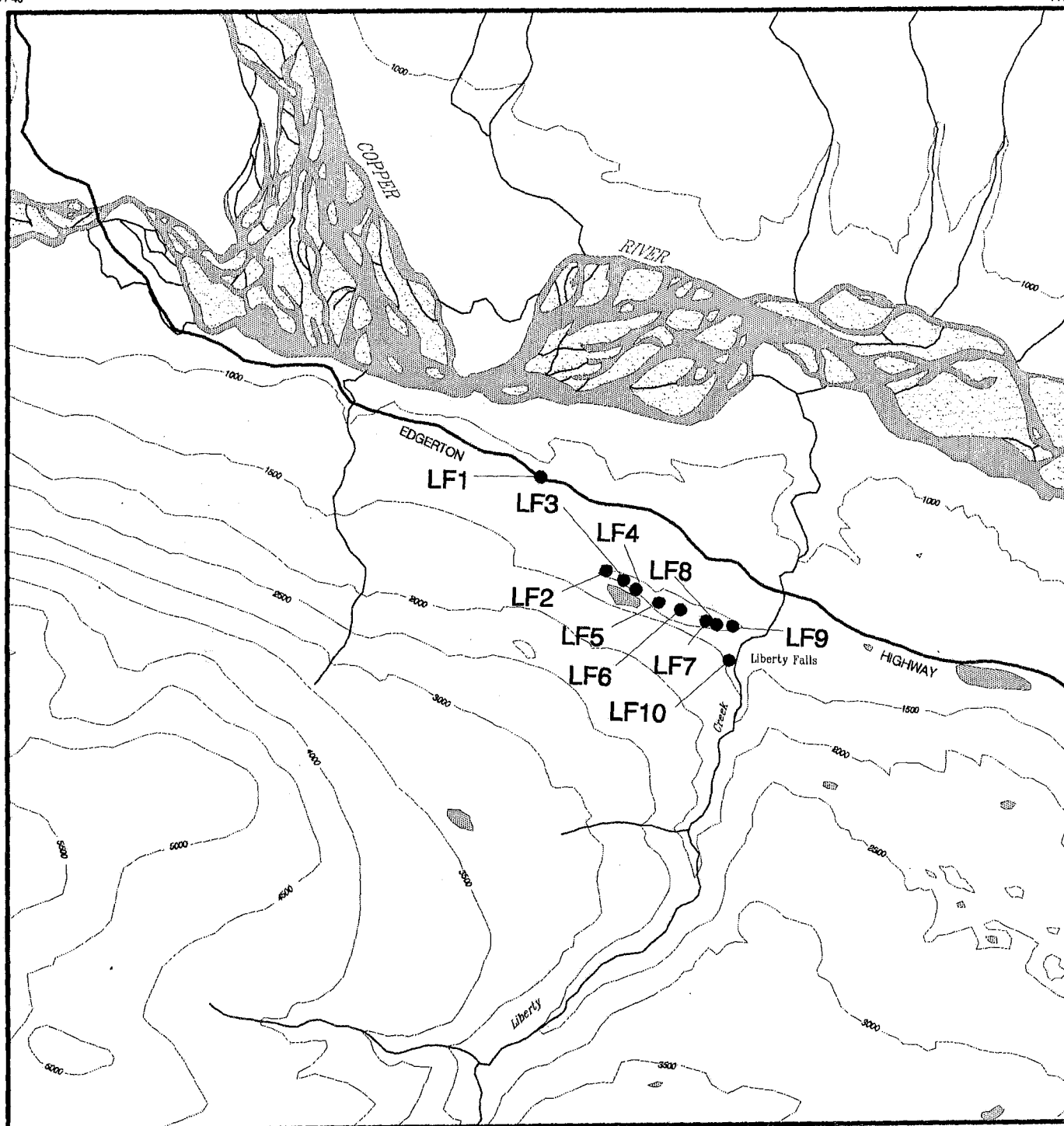
TABLE 3.- Whole rock major oxide and trace element analyses of host rock adjacent to a mineralized layer at Liberty Falls (LF9, fig. 11).

Sample Number	SiO ₂ %	TiO ₂ %	Al ₂ O ₃ %	Fe ₂ O ₃ %	MnO %	MgO %	Na ₂ O %	K ₂ O %	CaO %	FeO %
MN27739	47.82	1.52	14.37	11.28	0.28	5.78	4.18	0.36	10.02	3.6
MN27740	46.35	1.29	14.96	11.22	0.41	8.6	2.62	<0.05	10.43	3.73
	P ₂ O ₅ %	LOI %	Total %	Zr ppm	Y ppm	Rb ppm	Sr ppm	Nb ppm	Ba* ppm	
MN27739	0.1	4.62	100.33	90	34	13	111	<5	200	
MN27740	0.04	3.69	99.61	71	31	<1	206	<5	80	
Sample Descriptions										
MN27739	Grab; Host rock above sample MN27727; thinly interbedded (mm-scale) red-brown chert and greenstone									
MN27740	Grab; Host rock below sample MN27727; greenstone									

144°40'

144°30'

81°40'



81°35'

Base adapted from U.S.G.S. Valdez (C-2) 1:63,360 scale quadrangle

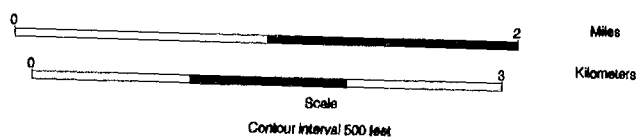


Figure 11. - Liberty Falls(LF) sample locations.

Manganese mineralization occurs within a thin (7 to 122 cm), cherty, Mn-Fe-hydroxide-rich layer intercalated within greenschist. Multiple deformation events have complexly folded the schist resulting in multiple exposures of the mineralized layer along the glaciated ridge. The mineralized layer was found repeatedly along the northwest trending ridge for 1050 meters. Outcrops of the layer often strike at a small angle to the trend of the ridge. Along strike the layers are obscured by cliffs and thick vegetation, or are offset by small faults. The layer is remarkably intact considering the degree of metamorphism and deformation evident in the host rocks.

Sample analyses of select samples of the Mn-Fe-hydroxide material from the deposit show iron contents exceeding 10% in both samples (LF9, appendix, fig. 11). Hence, it appears that this stratiform occurrence is manganese-poor and iron-rich.

A small, 3 to 4 meter wide, lens of manganese oxide-stained black chert outcrops in a road cut at Mile 26 of the Edgerton Highway, about 1.5 km west of the Liberty Falls campground. The Liberty Creek schist forms the bedrock. Minor amounts of chalcopyrite and 5.52% Mn occur in this chert lens (LF1, appendix, fig. 11).

The Liberty Falls manganese occurrence appears to represent a low-grade volcanogenic exhalative stratiform deposit that has undergone a greenschist to blueschist metamorphic event and several episodes of deformation. Only a small area with the Liberty Creek schist was examined, so it is difficult to discount the potential for finding additional manganese deposits in the area. Further exploration could be conducted in the highlands to the south of the investigated area, which have less vegetative cover.

Prince William Sound Area

In Prince William Sound, a reported manganese occurrence on Hinchinbrook Island and anomalous Mn values in stream sediment samples on Bainbridge and Evans Islands were investigated (figs. 12-13).

A volcanogenic manganese deposit on Hinchinbrook Island was discovered in 1980 and examined by the USGS (12). The deposit occurs within a mixed sequence of pillow basalt, pillow breccia, and varied-color mudstone of the late Paleocene and early Eocene (?) Orca Group (20). Poor weather conditions permitted only a one day examination of beach outcrops and a one day evaluation of the manganese deposit by the Bureau in 1992.

Significant manganese mineralization was found at two locations, 2.4 km apart, within the same sequence of volcanic-sedimentary rocks (HI4 and HI11, appendix, fig. 12). At sample location HI4 a few irregular masses of black manganese mineralization occur in bedrock within a contact zone between pillow basalt breccia and red ferruginous mudstone. At sample location HI11 similar manganese mineralization could only be found in rubble, which appears to represent resistant lag deposits on weathered bedrock. Bedrock at this location is dominantly pillow basalt breccia. The observed massive manganese mineralization found may represent a series of small manganese lenses dismembered during faulting of the host pillow basalt. Further examination will be required to determine the small-scale structural setting of the manganese mineralization. Intimately related to the pillow basalt breccia unit are red, orange, red-brown, and gray-brown mudstone. These units are useful marker beds to manganese mineralization in the area. Manganese content of the massive mineralization ranges between 16.65 to 31.45%

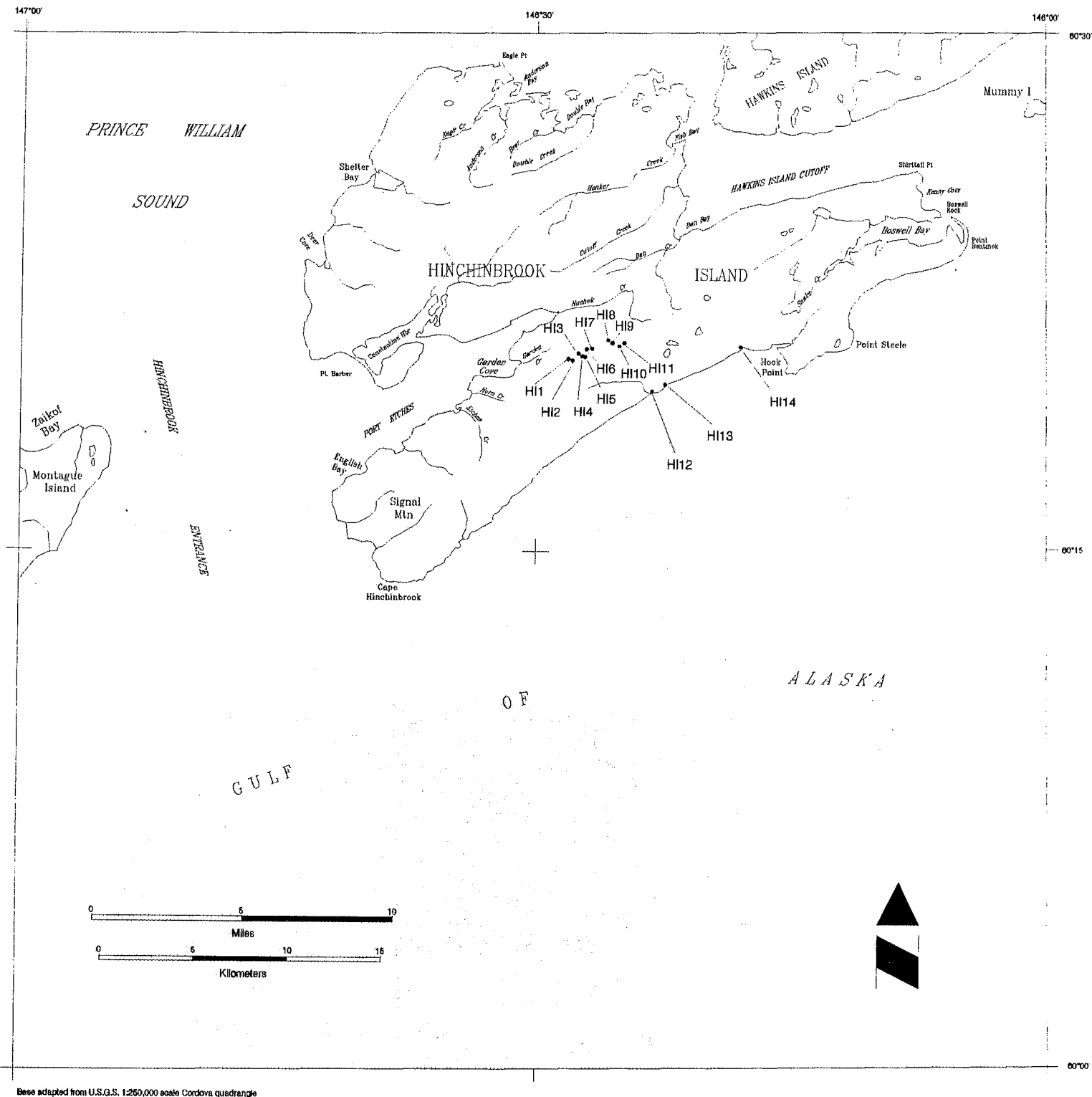


Figure 12. – Hinchinbrook Island (HI) sample locations.

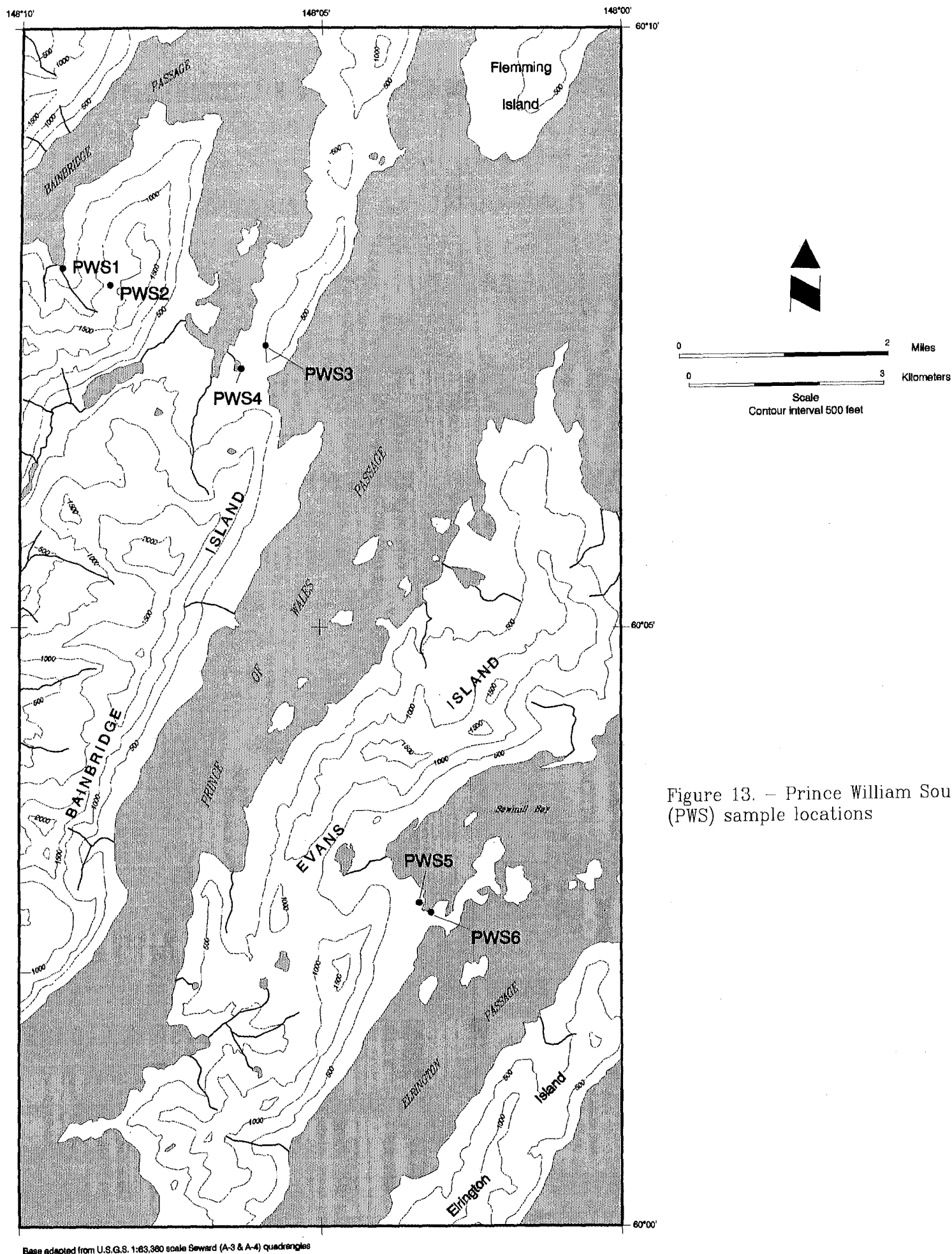


Figure 13. – Prince William Sound (PWS) sample locations

Base adapted from U.S.G.S. 1:63,360 scale Seward (A-3 & A-4) quadrangles

Mn. Massive specular and earthy red hematite is often found in close proximity to manganese mineralization.

Goodfellow and others (12) identified the following manganese minerals: bementite $\text{Mn}_7\text{Si}_6\text{O}_{15}(\text{OH})_8$; todorokite, $(\text{Na}, \text{Ca}, \text{K}, \text{Mn}^{2+})(\text{Mn}^{4+}, \text{Mn}^{2+}, \text{Mg})_6\text{O}_{12} \cdot \text{H}_2\text{O}$; birnessite, $(\text{Ca}, \text{Na})(\text{Mn}^{2+}, \text{Mn}^{4+})_7\text{O}_{14} \cdot 3\text{H}_2\text{O}$; ranceite, $(\text{Ca}, \text{Mn})\text{Mn}_4\text{O}_9 \cdot 3\text{H}_2\text{O}$, and traces of tephroite, Mn_2SiO_4 ; and rhodonite, $(\text{Mn}, \text{Fe}, \text{Ca})\text{SiO}_3$. Many of the massive blocks of manganese-rich rock appear to be composed of a black, brittle manganese mineral surrounding cores of a light red-brown or peach-colored, very fine-grained massive mineral(s). The latter mineral(s) appears to be replaced by the former dark-colored manganese minerals in total or along fractures.

Along the surf-pounded southern beach of Hinchinbrook Island boulders of red and brown ferruginous chert are found mixed with argillite and volcanic material. At sample location HI13 a single boulder of chert had significant Mn-oxide staining and contained 19.96 % Mn (appendix, fig. 12). This boulder also contained anomalous amounts of gallium, silver, molybdenum, barium, bismuth, and tellurium.

Anomalous Mn values in stream sediment samples on Bainbridge and Evans Islands were investigated. No manganese occurrences were found during the investigation. One stream sediment sample (PWS3, fig. 13, appendix) contained 16.35 % Mn.

Homer Area

The Bureau investigated manganese mineralization in the Homer area in 1992. The Homer area was chosen because statistical evaluation of NURE data showed anomalous manganese values in the stream sediments in the Bradley Lake drainage basin, and because a sample that contained 18% Mn was collected from an outcrop by the USGS during their 1991 Alaska Mineral Resource Assessment Program (AMRAP) of the Seldovia quadrangle.

The Homer area is underlain by rocks of the McHugh Creek Complex. The McHugh Complex is composed of cherty argillite, bedded chert, black shale and siltstone, and lesser mafic volcanic rocks deformed in a melange tectonic framework.

The manganiferous outcrop that was located by the USGS is near Grewingk Glacier. Iron and manganese oxide staining mark the location of the manganiferous bed. Detailed mapping of the outcrop showed that a massive 0.3 m-thick manganese carbonate/silicate bed is intercalated within a thick sequence of bedded black and olive drab chert. The bed was traced for 117 meters along strike. The dark-colored chert is spatially associated with massive cherty argillite and mafic volcanic rocks that locally contain irregular masses of red ferruginous chert. This assemblage of rock units was interpreted by the USGS to roughly trend NE, parallel to the structural fabric of the McHugh Complex. Continuity of specific rock types along the trend is destroyed within the melange. Grades for the manganese mineralized bed at the discovery are between 25.71 to 32.19 % Mn (S32, appendix, fig. 14).

Regional investigations of the extensions of the belt of bedded chert, cherty argillite and mafic volcanic rocks to the northeast and southwest of the outcrop were conducted. Significant indications of similar manganese mineralization was found at the toe of the receding Dixon Glacier 11 to 13 km north of the discovery outcrop. A 70 by 70 meter area of manganese oxide-stained chert boulders was discovered within the thin cover of glacial debris at the toe of the Dixon Glacier (S13, appendix, fig. 14). Although none of the boulders were mineralized,

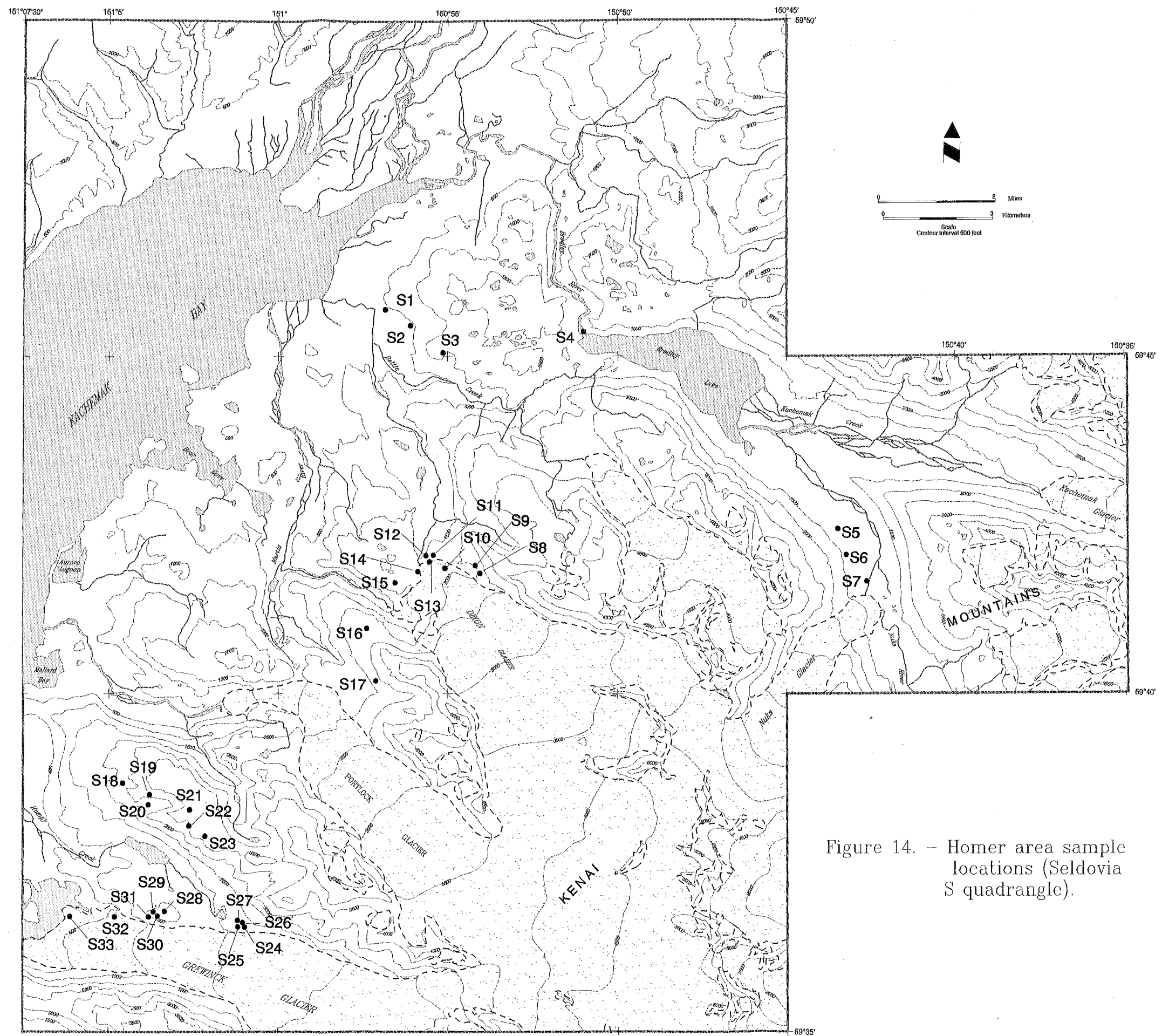


Figure 14. – Homer area sample locations (Seldovia S quadrangle).

the conspicuous accumulation of stained boulders is similar to that found at Grewingk Glacier. A manganese mineralized glacial boulder was subsequently discovered at sample location S14, which was collected about 0.5 km southwest of S13 (fig. 14). Sample S14 was taken from a 15-cm-diameter boulder of massive pink manganese carbonate/silicate with trace chalcopyrite that contained 489 ppm Co, 569 ppm Ga, and 29.01 % Mn (appendix). Traverses along both limits of Dixon Glacier failed to find any other signs of manganese mineralization.

A large area of iron staining is visible on the northeast side of the toe of Dixon Glacier. The Bureau found variously altered, silicified, bleached, and pyrrhotite-bearing cherty argillite. Minor quartz-sulfide veins are found within the altered rocks. Select samples of sulfide-bearing samples contained as much as 1.45 % Cu, 20.7 ppm Ag, 351 ppm Bi, 1,292 ppm W, and >2,000 ppm As (S8-9, appendix, fig. 14). The sulfide minerals are dominantly arsenopyrite with lesser chalcopyrite.

TIN

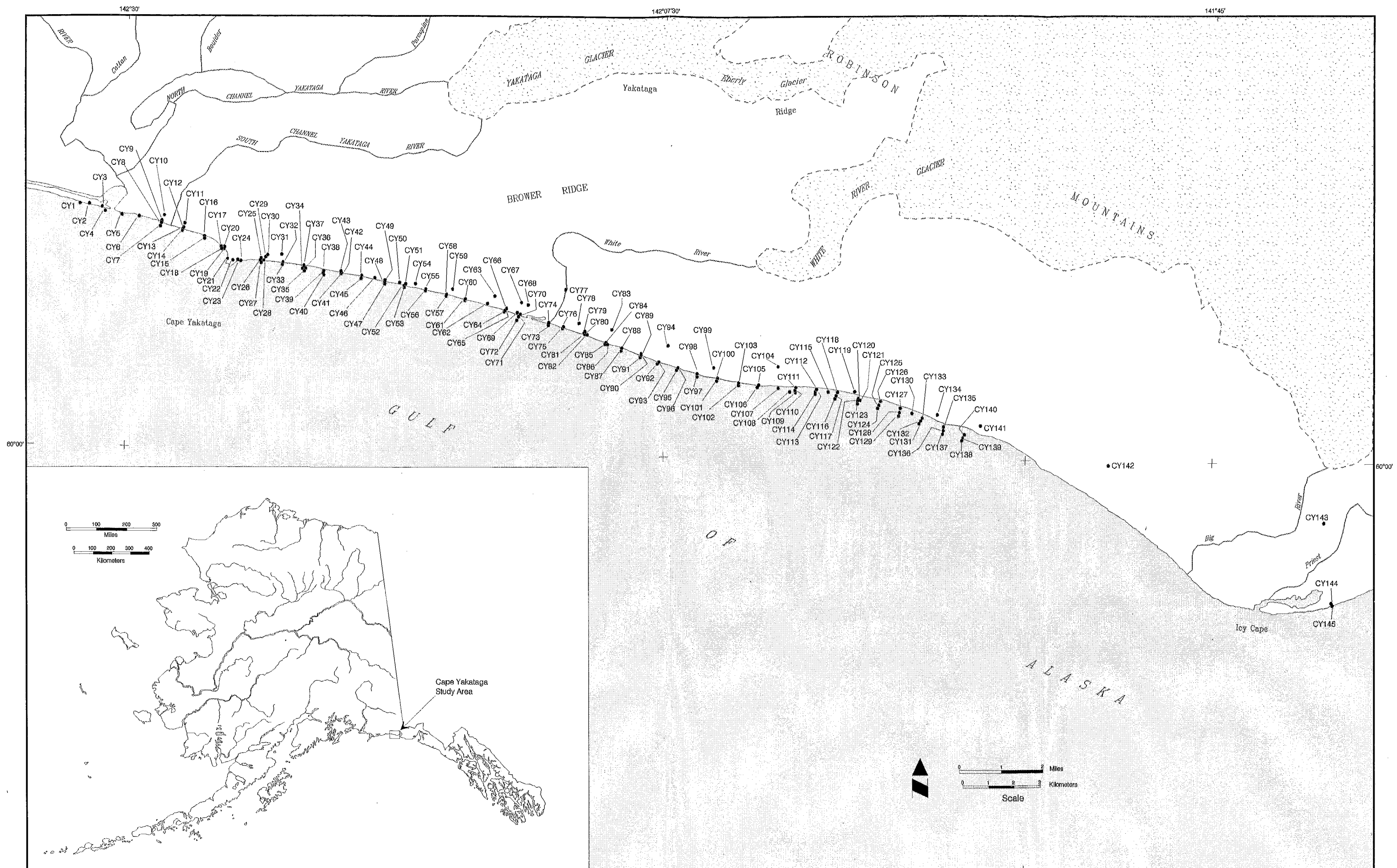
The evaluation of tin resources in Alaska was completed in 1992. The results of the work done on the Sleitat, Win, and Won prospects are summarized in Bureau Open File Reports 35-91, 85-92, and 92-92 (2-4).

TITANIUM

In 1992, AFOC began an assessment of titanium resources in Alaska. The project goals include completing a literature search, compilation of a titanium property database, field investigations at the more promising properties, presentation and publication of results, and update of the Bureau's Minerals Availability System database. The 1992 fieldwork was designed to satisfy two objectives: (1) development of a systematic means of sampling onshore heavy mineral sand deposits and processing the samples; and (2) preliminary evaluation of the Cape Yakataga and Yakutat areas (figs. 15-16).

During the 1992 field season 455 samples (7,000 kg) of heavy mineral-bearing sand that contains ore minerals including ilmenite, magnetite, garnet, zircon, rutile, monazite, gold, and small amounts of PGM were collected at the two project areas. Samples included power auger, hand auger, and channel samples from ancient and modern beaches in the two areas.

Preliminary data which include analytical results for titanium, zirconium, and gold, and minimal mineral characterization of several heavy mineral concentrates indicate that large resources exist in modern and ancient shoreline deposits in both areas. At the time of printing of this report, only analytical results for head samples from the Cape Yakataga area were available. The results are contained in the appendix. Analytical results for the heads, spiral concentrates, and mineral separates from samples taken at Cape Yakataga and Yakutat will be presented in subsequent reports.



Base adapted from U.S.G.S. 1:63,360 Bering Glacier (A-3, A-4, A-5) and Icy Bay (D-2, D-3)

Figure 15. – Cape Yakataga (CY) sample locations.

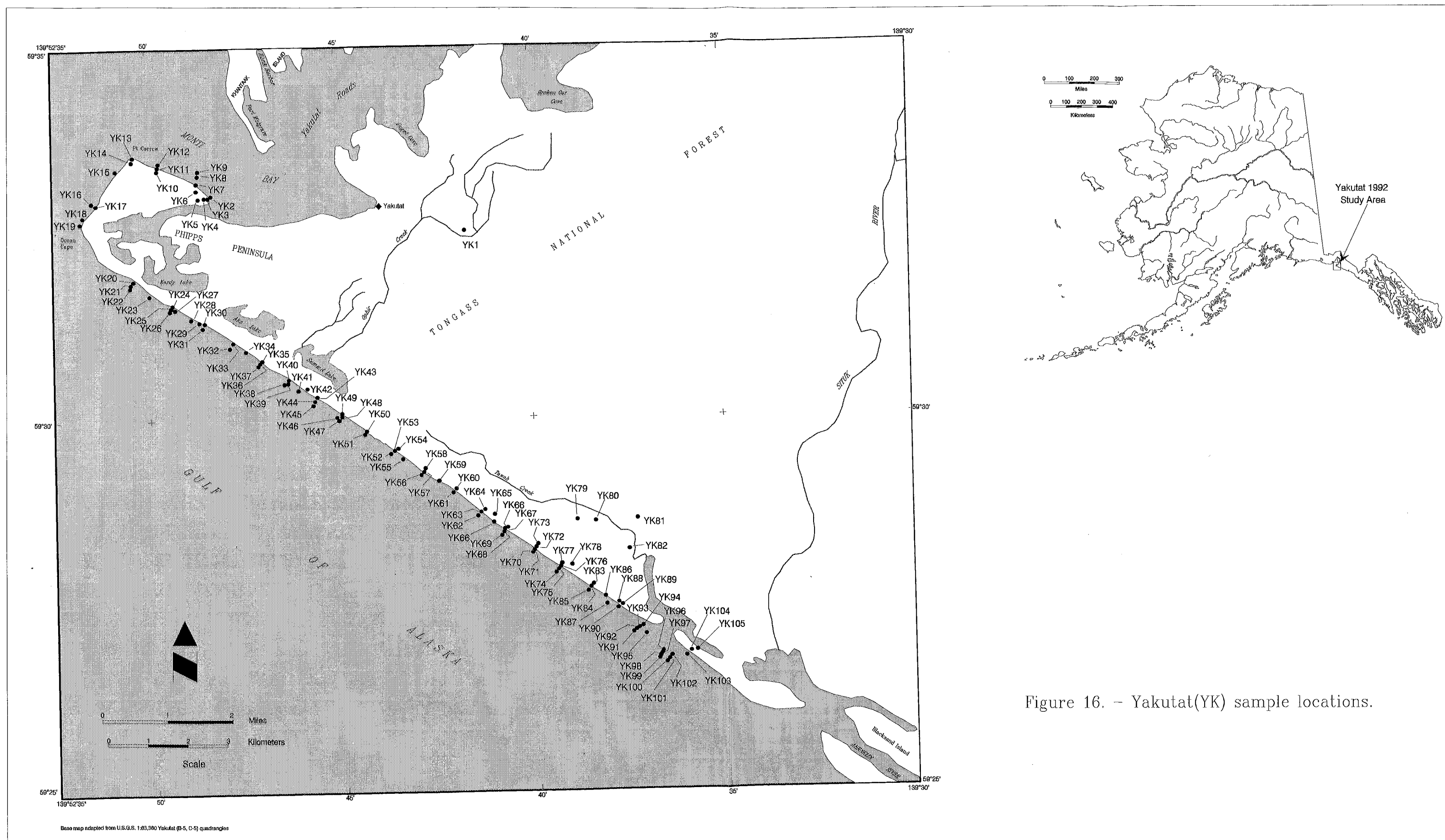


Figure 16. - Yakutat(YK) sample locations.

VANADIUM

Investigations of the vanadium resource potential of Alaska started in 1991. Reconnaissance investigations of the Wiseman and Eagle areas were conducted.

Wiseman Area

Statistical evaluation of the NURE stream sediment data show widespread anomalous vanadium (and coincident zinc, copper, tungsten) values in sediments derived from the Lower Paleozoic rocks of the Doonerak fenster in the northeastern corner of the Wiseman quadrangle.

NURE sediment samples collected from several streams draining the Lower Paleozoic rocks of the Doonerak fenster were found to contain high zinc, vanadium, copper and tungsten values. The Doonerak fenster is an 80 km elongate window to parautochthonous Paleozoic rocks surrounded by Paleozoic allochthonous rocks along the axis of the Doonerak antiform (14). The Bureau focussed upon the rocks within the fenster in the hope of attributing these anomalies to a specific rock type or mineral deposit. The sediments in the streams with the anomalies were resampled by the Bureau to verify the NURE results.

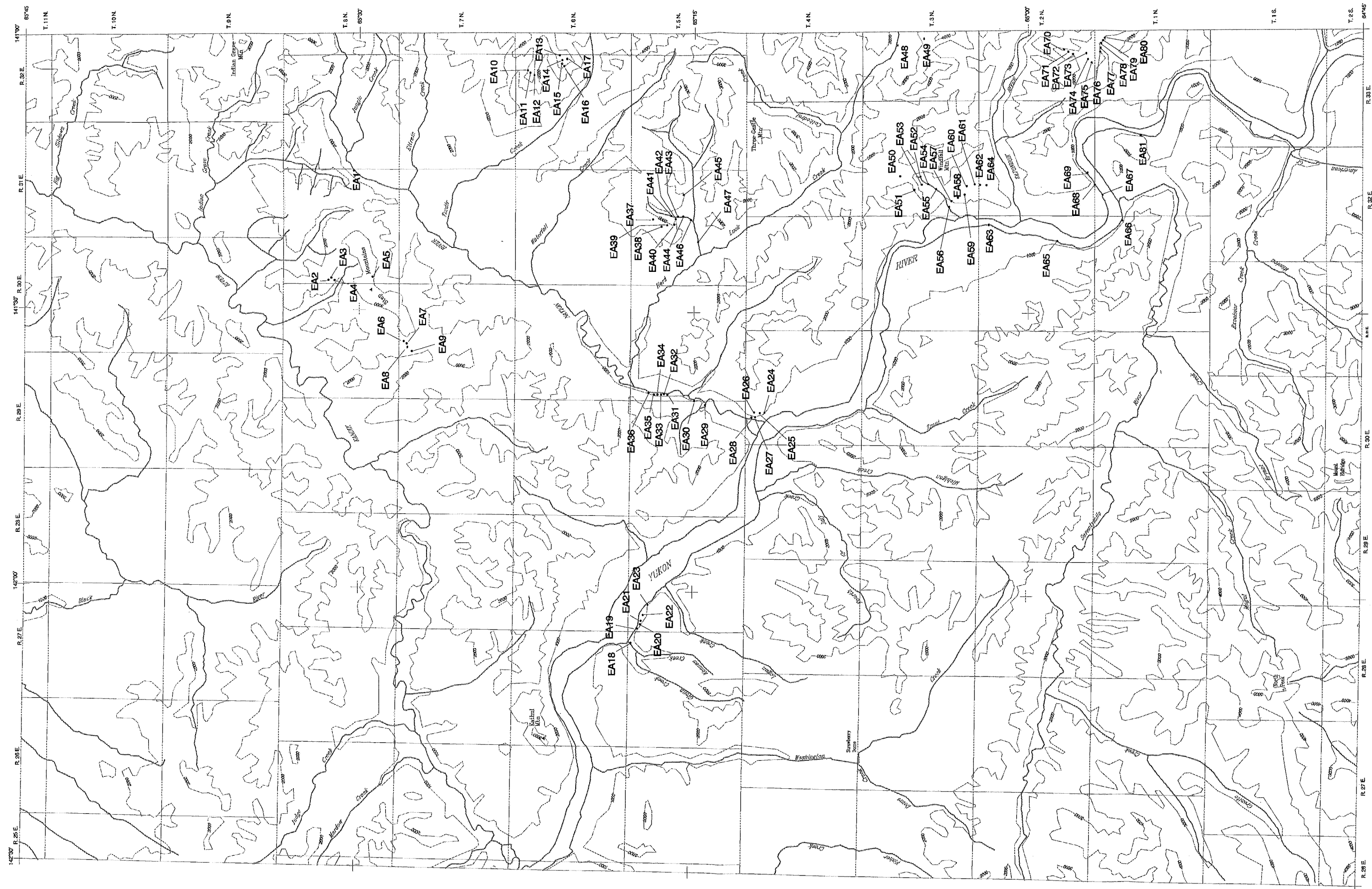
Sediment samples from streams draining the Lower Paleozoic rocks of the Doonerak fenster are anomalous in copper, nickel, cadmium, vanadium, and zinc. Many of the streams had conspicuous white precipitate coatings that covered gravel for stretches of several hundred meters along the drainage course. Precipitates often appeared to start coincident with the confluence of side drainages. An analysis of the precipitate taken from a rock in Holmes Creek (W8, appendix, fig. 9) showed anomalous copper, nickel, vanadium, and zinc. Along many of the drainages crusty precipitates form on outcrops of black phyllite. A sample of this crust from Holmes Creek (W10, appendix, fig. 9) shows anomalous copper, nickel, cadmium, vanadium, and zinc. Some side drainages to larger streams exhibited strong iron-oxide precipitates on stream bottoms in stark contrast to the white precipitate. The iron-oxide precipitates appear to have much lower concentrations of copper, nickel, cadmium, and zinc, but similar amounts of vanadium (W8, appendix, fig. 9).

Five samples of black pyritic phyllite from Holmes and Pyramid Creeks contained vanadium values that range from 141 to 730 ppm (W2, W5, W7, W9, W12, appendix, fig. 9). Both of these creeks exhibit anomalous (greater than 300 ppm) vanadium in stream sediment samples suggesting that the phyllite is enriched in vanadium. Multi-element analyses were not obtained for these rocks.

An Alaska Division of Geological and Geophysical Survey report (6) indicates a unit of mafic greenschist in the central part of the Wiseman quadrangle with vanadium values as much as 2,000 ppm. Three samples of mafic greenschist with disseminated magnetite and trace chalcopyrite were sampled from this locality and found to contain as much as 1% vanadium (W49-50, appendix, fig. 9).

Eagle Area

The Eagle area (fig. 17) was investigated because examination of the NURE stream sediment data of the Eagle and Charley River quadrangles indicated anomalous vanadium values



Base adapted from U.S.G.S. 1:250,000 scale Chukchee River, and Eagle quadrangle

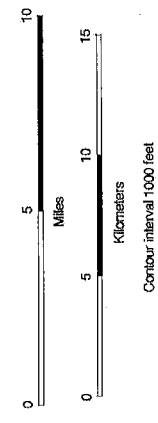


Figure 17. – Eagle (EA) sample locations.

that consistently coincide with mapped units of the Road River formation. Base geologic maps by Foster (11) for the Eagle quadrangle and Brabb and Churkin (1) and Dover and Miyaoka (7) for the Charley River quadrangle were used as a map base. Brabb and Churkin (1) describe the Road River Formation as "dark-gray graptolitic shale with lesser amounts of grayish-black laminated chert and very minor dark-gray limestone, greenish-gray dolomite, grayish-black chert arenite and chert conglomerate."

The intent of this investigation was to determine whether a stratigraphic section of the Road River formation was enriched in vanadium. Outcrops of the Road River formation were few and mostly rubble crop where the formation was exposed. Dense vegetation covers most of the area where the Road River formation is mapped. Vegetation also limited access to exposures of the Road River formation by helicopter.

The Bureau's survey concentrated on areas in the Eagle and Charley River quadrangles where there was good exposure of the Road River formation. The Road River formation consists of black carbonaceous shale interbedded with cherty black siltstone. Because vanadium-rich black shales are often enriched in uranium, outcrops were examined with a hand-held scintillometer. Rock chip samples were collected from prospective outcrops and stream sediment samples were collected from some streams where NURE vanadium anomalies occurred.

The most significant result of this survey is the discovery that the base of the Road River formation is a black shale that contains anomalous vanadium, uranium, and copper values (samples EA70, EA71, EA73, appendix, fig. 17). Vanadium, uranium and copper values are as much as >2000 ppm, 188 ppm, and 1439 ppm respectively in select basal layers.

The Road River formation disconformably overlies the Hillard Limestone which has also been found to be locally radioactive (EA50, appendix, fig. 17). Radioactivity in the Hillard Limestone appears near the top of the formation within the conglomerate. Uranium enrichment may be the result of leaching from weathered Road River formation.

Stream sediment sampling was limited to a drainage north of Windfall Mountain and a northern tributary to Hard Luck Creek (appendix, fig. 17). A sample with anomalous vanadium (304 ppm), copper (114 ppm), and zinc (454 ppm) values (EA52, appendix, fig. 17) were taken near Windfall Mountain. No anomalous values were found in samples taken from the Hard Luck Creek area.

MISCELLANEOUS

The Tired Pup area (fig. 18) was investigated in 1990 and 1991 by the Bureau. Sampling in 1991 indicated the presence of anomalous concentrations of rare earth elements (up to 4360 ppm Ce, 220 ppm Dy, 150 ppm Er, 250 ppm Gd, 50 ppm Ho, 2480 ppm La, 28 ppm Lu, >1000 ppm Nd, 420 ppm Pr, 400 ppm Sm, 38.6 ppm Tb, 17.6 ppm Tm, 134 ppm Yb), tin (up to 9800 ppm), tungsten (up to 170 ppm), and uranium (up to 4800 ppm) in pan concentrate samples (LH2, LH3, LH5, LH12-15, LH20-31, appendix, fig. 18). The source of these anomalies was not found during the field investigation.

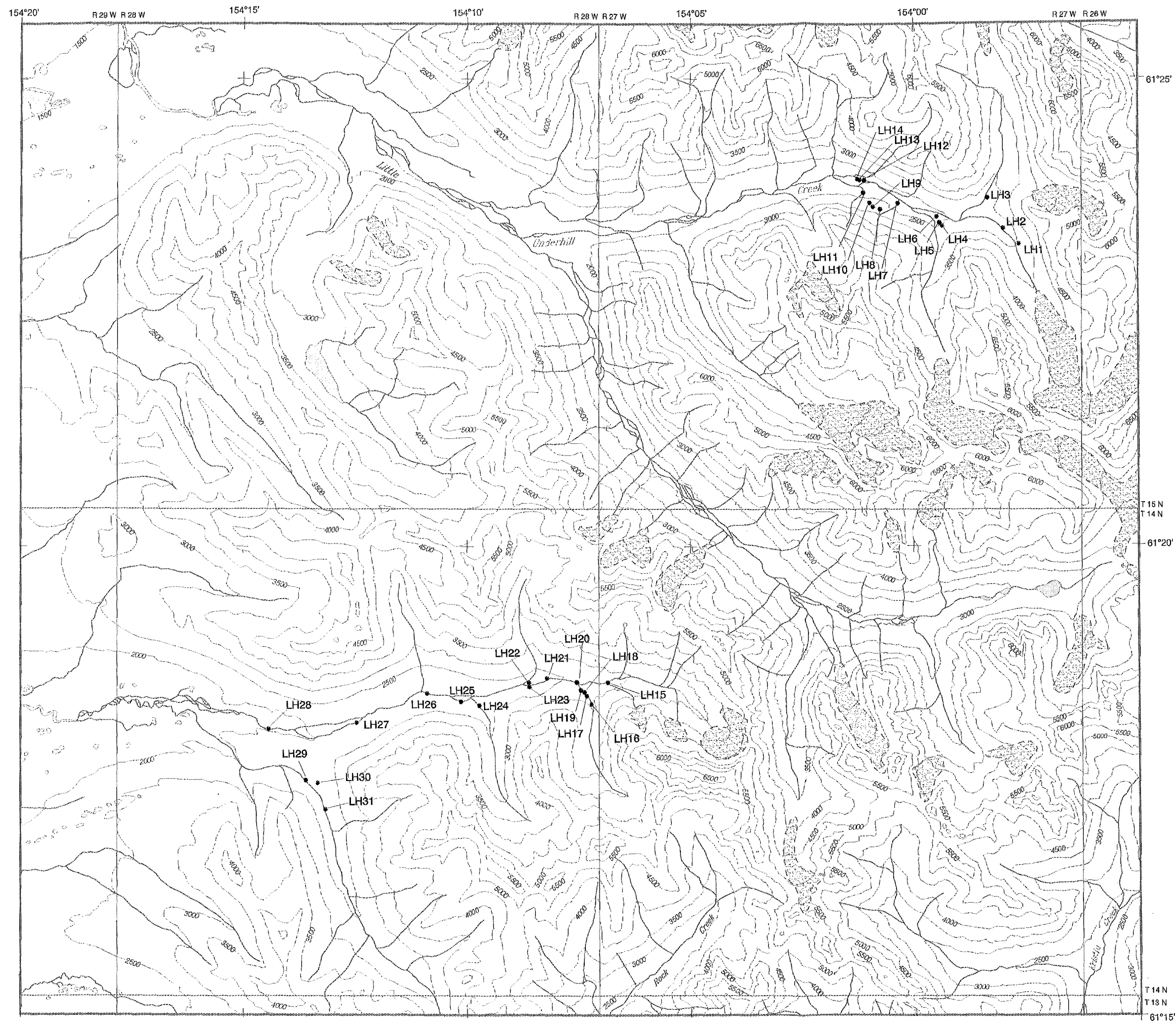


Figure 18. –Lime Hills(LH) sample locations.

Base adapted from U.S.G.S. Lime Hills (B-3 & B-4) 1:63,360 quadrangles

SUMMARY

In Alaska in 1991 and 1992, the Bureau completed work on chromium, PGM, and tin, and started work on indium, manganese, titanium, and vanadium. As a result of this work, the Bureau found that PGM-bearing composite plutons in the Yentna River area of the Alaska Range were chemically similar to composite plutons in the Mt. Hayes quadrangle of the Alaska Range. The work also showed that all of these Alaska Range composite plutons are chemically similar to Ural-Alaskan type complexes. Work in the western Brooks Range discovered more chromium and PGM occurrences than were previously known. Investigations at the Lost River tin deposit found anomalous concentrations of indium in rocks with high sphalerite contents. Small occurrences of manganese were located, mapped, and sampled in the Wiseman and Chandalar quadrangles, and at the Liberty Falls, Homer, and Hinchinbrook Island areas. More work is needed in the Wiseman, Chandalar, and Hinchinbrook areas to determine the extent of manganese mineralization. Tin occurrences in western Alaska were summarized in three reports. The beaches near Cape Yakataga and Yakutat were evaluated for their titanium potential. Preliminary data indicate that large heavy mineral resources exist in modern and ancient shoreline deposits in both areas. The tenor of these resources has not been determined. Streams with anomalous vanadium values were investigated in the Wiseman and Eagle areas. Although, stream sediments samples in the Wiseman area contained anomalous values of vanadium, no economic vanadium deposits were noted. Investigations in the Eagle area found high vanadium, uranium, and copper values in the basal layers of the Road River formation. No economic deposits were noted.

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APPENDIX - 1991-92 Sample Analysis Results

TABLE A-1. - 1991 Sample Analysis Detection Limits

Element	Lower limit (ppm)	Upper limit (ppm)	Element	Lower limit (ppm)	Upper limit (ppm)
ICP-Atomic Emission Spectroscopy			Sn	20	2,000
Ag	0.2	50	Sr	1	2,000
Al	0.02 %	10.00 %	Ta	1	2,000
As	5	2,000	Te	10	2,000
Ba	1	2,000	Ti	0.05 %	10.00 %
Bi	5	2,000	V	1	2,000
Ca	0.05 %	10.00 %	W	10	2,000
Cd	1	2,000	Y	1	2,000
Co	1	20,000	Zn	0.0002 %	2.0 %
Cr	1	20,000	Zr	1	2,000
Cu	1	20,000	Quantitative Analysis		
Fe	0.01 %	10.00 %	Pb	0.01 %	10.00 %
Ga	2	2,000	Zn	0.01 %	4.00 %
K	0.05 %	10.00 %	Fire Assay		
La	1	2,000	Ag	0.69 g/mt	Not reported
Li	1	2,000	PGM-Nickel Sulfide Fire Assay/INAA		
Mg	0.05 %	10.00 %	Au	1 ppb	10,000 ppb
Mn	0.01 %	10.00 %	Pt	20 ppb	10,000 ppb
Mo	1	20,000	Pb	20 ppb	10,000 ppb
Na	0.05 %	10.00 %	Ir	1 ppb	10,000 ppb
Nb	1	2,000	Os	10 ppb	10,000 ppb
Ni	1	20,000	Ru	50 ppb	10,000 ppb
Pb	0.0002 %	1.0 %	Rh	5 ppb	10,000 ppb
Sb	5	2,000			

TABLE A-2. - 1992 Sample Analysis Lower Detection Limits

Quantitative Analysis - Fire Assay			
Ba...	0.01 %	Mn...	0.01 %
Cr...	0.01 %	Pb...	0.01 %
Cu...	0.01 %	Zn...	0.01 %
Fire Assay - DCP			
Ag...	0.69 g/mt	Pd...	1 ppb
Au...	1 ppb	Pt...	1 ppb
Atomic Emission Spectroscopy - ICP			
Ag...	0.5 ppm	Mo...	1 ppm
Al...	0.01 %	Na...	0.01 %
As...	5 ppm	Nb...	5 ppm
Ba...	5 ppm	Ni...	1 ppm
Bi...	5 ppm	Pb...	2 ppm
Ca...	0.01 %	Sb...	5 ppm
Cd...	2 ppm	Sn...	20 ppm
Co...	1 ppm	Sr...	1 ppm
Cr...	2 ppm	Ta...	5 ppm
Cu...	1 ppm	Te...	25 ppm
Fe...	0.01 %	Ti...	0.01 %
Ga...	10 ppm	V....	2 ppm
K....	0.01 %	W....	20 ppm
La...	5 ppm	Y....	5 ppm
Li...	2 ppm	Zn...	2 ppm
Mg...	0.01 %	Zr...	5 ppm
Mn...	5 ppm		

TABLE A-2. - 1991 Sample Analysis Lower Detection Limits -- Continued

Inst. Neutron Activation			
Ce...	1 ppm	Nd...	1 ppm
Dy...	0.1 ppm	Pr...	1 ppm
Er...	1 ppm	Sm...	0.01 ppm
Eu...	0.1 ppm	Tb...	0.1 ppm
Gd...	1 ppm	Th...	0.1 ppm
Ho...	0.1 ppm	Tm...	1 ppm
La...	0.1 ppm	U...	0.1 ppm
Lu...	0.01 ppm	Yb...	0.1 ppm
DC Plasma Emission			
Ge...	10 ppm		

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
C1	VD28164	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	9W	7	Fairbanks	<0.1				
C2	VD28165	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	9W	7	Fairbanks	<0.1				
C3	VD28166	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	9W	7	Fairbanks	0.2				
C4	VD28167	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	9W	18	Fairbanks	0.2				
C5	VD28168	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	10W	24	Fairbanks	<0.1				
C5	VD28169	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	10W	24	Fairbanks	0.4				
C6	VD28170	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	10W	13	Fairbanks	0.3				
C6	VD28171	92		Nutirwik Cr.	Rock	Chandalar	D-6	36N	10W	13	Fairbanks	1.4				
C7	VD28246	92		Trembley Cr.	Stream sed.	Chandalar	D-6	36N	11W	24	Fairbanks	<0.5		4.50		23
C8	VD28247	92		Trembley Cr.	Rock	Chandalar	D-6	36N	11W	23	Fairbanks	0.3				
C9	VD28248	92		Trembley Cr.	Rock	Chandalar	D-6	36N	11W	23	Fairbanks	<0.1				
C10	VD28249	92		Trembley Cr.	Rock	Chandalar	D-6	36N	11W	23	Fairbanks	<0.1				
C10	VD28250	92		Trembley Cr.	Rock	Chandalar	D-6	36N	11W	23	Fairbanks	<0.1				
C11	VD28161	92		Trembley Cr.	Rock	Chandalar	D-6	36N	11W	23	Fairbanks	<0.1				
C12	VD28162	92		Trembley Cr.	Stream sed.	Chandalar	D-6	36N	11W	26	Fairbanks	0.9		4.21		37
C13	MN28205	92		S. Fk. Koyukuk	Rock	Chandalar	A-6	28N	10W	33	Fairbanks					
C14	MN28202	92		Slate Creek	Rock	Chandalar	A-6	27N	11W	12	Fairbanks					
C14	MN28203	92		Slate Creek	Rock	Chandalar	A-6	27N	11W	12	Fairbanks					
C14	MN28204	92		Slate Creek	Rock	Chandalar	A-6	27N	11W	12	Fairbanks					
CY1	HA92YK196	92		Cape Yakataga	Hand auger	Bering Glacier	A-5	21S	17E	21	Copper River					
CY2	PA92YK032.2	92		Cape Yakataga	Power auger	Bering Glacier	A-5	21S	17E	21	Copper River					
CY2	PA92YK032.3	92		Cape Yakataga	Power auger	Bering Glacier	A-5	21S	17E	21	Copper River					
CY3	HA92YK197	92		Cape Yakataga	Hand auger	Bering Glacier	A-5	21S	17E	21	Copper River					
CY4	HA92YK198	92		Cape Yakataga	Hand auger	Bering Glacier	A-5	21S	17E	21	Copper River					
CY5	HA92YK199	92		Cape Yakataga	Hand auger	Bering Glacier	A-5	21S	17E	22	Copper River					
CY6	HA92YK200	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	22	Copper River					
CY7	HA92YK101	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY7	PA92YK001.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY7	PA92YK001.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY7	PA92YK002.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY7	PA92YK002.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY8	HA92YK102	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY9	HA92YK103	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY9	PA92YK003.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY9	PA92YK003.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY10	RS92YK195	92		Cape Yakataga	Alluvium	Bering Glacier	A-4	21S	17E	23	Copper River					
CY11	HA92YK107.1	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY11	HA92YK107.2	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY11	HA92YK107.3	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY11	PA92YK004.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY11	PA92YK004.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY12	HA92YK106	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY13	HA92YK105	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY14	HA92YK104	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	23	Copper River					
CY15	HA92YK108	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	25	Copper River					
CY16	HA92YK109	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	17E	25	Copper River					

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
C1	VD28164																									
C2	VD28165																									
C3	VD28166																									
C4	VD28167																									
C5	VD28168																									
C5	VD28169																									
C6	VD28170																									
C6	VD28171																									
C7	VD28246		646	22		5.22	<2		16	70		36					3.66	17							0.81	14
C8	VD28247																									
C9	VD28248																									
C10	VD28249																									
C10	VD28250																									
C11	VD28161																									
C12	VD28162		759	17		4.55	<2		19	56		46					3.22	24							0.90	12
C13	MN28205																									
C14	MN28202																									
C14	MN28203																									
C14	MN28204																									
CY1	HA92YK196	0.103																								
CY2	PA92YK032.2	<0.034																								
CY2	PA92YK032.3	<0.034																								
CY3	HA92YK197	<0.034																								
CY4	HA92YK198	<0.034																								
CY5	HA92YK199	0.103																								
CY6	HA92YK200	<0.034																								
CY7	HA92YK101	<0.034																								
CY7	PA92YK001.1	<0.034																								
CY7	PA92YK001.2	<0.034																								
CY7	PA92YK002.1	<0.034																								
CY7	PA92YK002.2	<0.034																								
CY8	HA92YK102	<0.034																								
CY9	HA92YK103	<0.034																								
CY9	PA92YK003.1	<0.034																								
CY9	PA92YK003.2	<0.034																								
CY10	RS92YK195	<0.034																								
CY11	HA92YK107.1	<0.034																								
CY11	HA92YK107.2	0.171																								
CY11	HA92YK107.3	<0.034																								
CY11	PA92YK004.1	0.274																								
CY11	PA92YK004.2	0.549																								
CY12	HA92YK106	0.823																								
CY13	HA92YK105	0.069																								
CY14	HA92YK104	<0.034																								
CY15	HA92YK108	0.171																								
CY16	HA92YK109	0.377																								

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
C1	VD28164																									
C2	VD28165																									
C3	VD28166																									
C4	VD28167																									
C5	VD28168																									
C5	VD28169																									
C6	VD28170																									
C6	VD28171																									
C7	VD28246	57		1.63	727	<1	1.36	13		69			<2									16				22
C8	VD28247																									
C9	VD28248																									
C10	VD28249																									
C10	VD28250																									
C11	VD28161																									
C12	VD28162	38		1.69	852	3	1.61	11		86			8									<5				20
C13	MN28205				0.42%																					
C14	MN28202				16.35%																					
C14	MN28203				22.23%																					
C14	MN28204				2.75%																					
CY1	HA92YK196																									
CY2	PA92YK032.2																									
CY2	PA92YK032.3																									
CY3	HA92YK197																									
CY4	HA92YK198																									
CY5	HA92YK199																									
CY6	HA92YK200																									
CY7	HA92YK101																									
CY7	PA92YK001.1																									
CY7	PA92YK001.2																									
CY7	PA92YK002.1																									
CY7	PA92YK002.2																									
CY8	HA92YK102																									
CY9	HA92YK103																									
CY9	PA92YK003.1																									
CY9	PA92YK003.2																									
CY10	RS92YK195																									
CY11	HA92YK107.1																									
CY11	HA92YK107.2																									
CY11	HA92YK107.3																									
CY11	PA92YK004.1																									
CY11	PA92YK004.2																									
CY12	HA92YK106																									
CY13	HA92YK105																									
CY14	HA92YK104																									
CY15	HA92YK108																									
CY16	HA92YK109																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	Uft	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
C1	VD28164											74						
C2	VD28165											129						
C3	VD28166											388						
C4	VD28167											345						
C5	VD28168											414						
C5	VD28169											271						
C6	VD28170											432						
C6	VD28171											454						
C7	VD28246	131	<5		<25		0.42					139	<20	7		454		54
C8	VD28247									1		50						
C9	VD28248											211						
C10	VD28249											207						
C10	VD28250											206						
C11	VD28161											30						
C12	VD28162	119	29		<25		0.38					156	<20	7		938		59
C13	MN28205																	
C14	MN28202																	
C14	MN28203																	
C14	MN28204																	
CY1	HA92YK196						0.66											234
CY2	PA92YK032.2						0.38											205
CY2	PA92YK032.3						0.38											187
CY3	HA92YK197						0.80											143
CY4	HA92YK198						0.76											162
CY5	HA92YK199						0.68											201
CY6	HA92YK200						0.67											184
CY7	HA92YK101						0.57											174
CY7	PA92YK001.1						0.37											192
CY7	PA92YK001.2						0.37											201
CY7	PA92YK002.1						0.37											169
CY7	PA92YK002.2						0.38											166
CY8	HA92YK102						0.66											216
CY9	HA92YK103						0.87											573
CY9	PA92YK003.1						0.44											329
CY9	PA92YK003.2						0.42											280
CY10	RS92YK195						0.89											292
CY11	HA92YK107.1						1.11											854
CY11	HA92YK107.2						1.48											1419
CY11	HA92YK107.3						1.28											986
CY11	PA92YK004.1						0.67											940
CY11	PA92YK004.2						0.69											939
CY12	HA92YK106						1.32											1031
CY13	HA92YK105						0.92											449
CY14	HA92YK104						0.53											126
CY15	HA92YK108						1.20											319
CY16	HA92YK109						1.94											1469

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWPRNG	Saction	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
CY17	PA92YK005	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY18	PA92YK006.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY18	PA92YK006.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY19	HA92YK110	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY20	HA92YK111	92		Cape Yakataga	Channel	Bering Glacier A-4	21S	17E	25	Copper River					
CY21	PA92YK007	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY22	PA92YK031.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY22	PA92YK031.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY22	PA92YK031.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY22	PA92YK031.4	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY22	PA92YK031.5	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	17E	25	Copper River					
CY22	PA92YK032.1	92		Cape Yakataga	Power auger	Bering Glacier A-5	21S	17E	21	Copper River					
CY23	CH92YK113	92		Cape Yakataga	Channel	Bering Glacier A-4	21S	18E	30	Copper River					
CY24	HA92YK112	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY25	HA92YK116	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY26	HA92YK115	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY27	HA92YK114	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.4	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.5	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.6	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY28	PA92YK008.7	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY29	PA92YK009.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY29	PA92YK009.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY29	PA92YK009.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY29	PA92YK009.4	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY29	PA92YK009.5	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	30	Copper River					
CY30	CH92YK010	92		Cape Yakataga	Terrace	Bering Glacier A-4	21S	18E	30	Copper River					
CY31	PA92YK012	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY32	HA92YK118	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY33	HA92YK117	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY34	PA92YK013.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY34	PA92YK013.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY34	PA92YK013.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY34	PA92YK013.4	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY35	HA92YK119	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY36	HA92YK120	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY37	HA92YK121	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	29	Copper River					
CY38	HA92YK124	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	28	Copper River					
CY39	HA92YK123	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	28	Copper River					
CY40	HA92YK122	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	28	Copper River					
CY41	HA92YK125	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	18E	28	Copper River					
CY42	PA92YK014.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	28	Copper River					
CY42	PA92YK014.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	18E	28	Copper River					

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Au g/ml	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
CY17	PA92YK005	0.137																								
CY18	PA92YK006.1	0.206																								
CY18	PA92YK006.2	0.411																								
CY19	HA92YK110																									
CY20	HA92YK111	0.583																								
CY21	PA92YK007	<0.034																								
CY22	PA92YK031.1	<0.034																								
CY22	PA92YK031.2	<0.034																								
CY22	PA92YK031.3	0.069																								
CY22	PA92YK031.4	<0.034																								
CY22	PA92YK031.5	<0.034																								
CY22	PA92YK032.1	<0.034																								
CY23	CH92YK113	<0.034																								
CY24	HA92YK112	<0.034																								
CY25	HA92YK116	<0.034																								
CY26	HA92YK115	<0.034																								
CY27	HA92YK114	<0.034																								
CY28	PA92YK008.1	<0.034																								
CY28	PA92YK008.2	<0.034																								
CY28	PA92YK008.3	<0.034																								
CY28	PA92YK008.4	0.069																								
CY28	PA92YK008.5	<0.034																								
CY28	PA92YK008.6	0.240																								
CY28	PA92YK008.7	<0.034																								
CY29	PA92YK009.1	<0.034																								
CY29	PA92YK009.2	0.480																								
CY29	PA92YK009.3	<0.034																								
CY29	PA92YK009.4	0.069																								
CY29	PA92YK009.5	<0.034																								
CY30	CH92YK010	0.206																								
CY31	PA92YK012	<0.034																								
CY32	HA92YK118	0.069																								
CY33	HA92YK117	<0.034																								
CY34	PA92YK013.1	<0.034																								
CY34	PA92YK013.2	<0.034																								
CY34	PA92YK013.3	<0.034																								
CY34	PA92YK013.4	<0.034																								
CY35	HA92YK119	<0.034																								
CY36	HA92YK120	<0.034																								
CY37	HA92YK121	<0.034																								
CY38	HA92YK124	<0.034																								
CY39	HA92YK123	<0.034																								
CY40	HA92YK122	<0.034																								
CY41	HA92YK125	<0.034																								
CY42	PA92YK014.1	<0.034																								
CY42	PA92YK014.2	<0.034																								

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
CY17	PA92YK005																									
CY18	PA92YK006.1																									
CY18	PA92YK006.2																									
CY19	HA92YK110																									
CY20	HA92YK111																									
CY21	PA92YK007																									
CY22	PA92YK031.1																									
CY22	PA92YK031.2																									
CY22	PA92YK031.3																									
CY22	PA92YK031.4																									
CY22	PA92YK031.5																									
CY22	PA92YK032.1																									
CY23	CH92YK113																									
CY24	HA92YK112																									
CY25	HA92YK116																									
CY26	HA92YK115																									
CY27	HA92YK114																									
CY28	PA92YK008.1																									
CY28	PA92YK008.2																									
CY28	PA92YK008.3																									
CY28	PA92YK008.4																									
CY28	PA92YK008.5																									
CY28	PA92YK008.6																									
CY28	PA92YK008.7																									
CY29	PA92YK009.1																									
CY29	PA92YK009.2																									
CY29	PA92YK009.3																									
CY29	PA92YK009.4																									
CY29	PA92YK009.5																									
CY30	CH92YK010																									
CY31	PA92YK012																									
CY32	HA92YK118																									
CY33	HA92YK117																									
CY34	PA92YK013.1																									
CY34	PA92YK013.2																									
CY34	PA92YK013.3																									
CY34	PA92YK013.4																									
CY35	HA92YK119																									
CY36	HA92YK120																									
CY37	HA92YK121																									
CY38	HA92YK124																									
CY39	HA92YK123																									
CY40	HA92YK122																									
CY41	HA92YK125																									
CY42	PA92YK014.1																									
CY42	PA92YK014.2																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no.	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	Ua	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
CY17	PA92YK005						0.67											1032
CY18	PA92YK006.1						0.46											488
CY18	PA92YK006.2						0.35											221
CY19	HA92YK110																	
CY20	HA92YK111						0.98											509
CY21	PA92YK007						0.47											139
CY22	PA92YK031.1						0.55											164
CY22	PA92YK031.2						0.46											180
CY22	PA92YK031.3						0.53											296
CY22	PA92YK031.4						0.47											217
CY22	PA92YK031.5						0.49											232
CY22	PA92YK032.1						0.32											171
CY23	CH92YK113						0.78											169
CY24	HA92YK112						0.51											110
CY25	HA92YK116						0.78											257
CY26	HA92YK115						0.66											127
CY27	HA92YK114						0.52											92
CY28	PA92YK008.1						0.38											131
CY28	PA92YK008.2						0.47											215
CY28	PA92YK008.3						0.38											107
CY28	PA92YK008.4						0.35											119
CY28	PA92YK008.5						0.34											126
CY28	PA92YK008.6						0.35											190
CY28	PA92YK008.7						0.31											128
CY29	PA92YK009.1						0.44											218
CY29	PA92YK009.2						0.54											249
CY29	PA92YK009.3						0.37											139
CY29	PA92YK009.4						0.37											143
CY29	PA92YK009.5						0.32											114
CY30	CH92YK010						0.44											200
CY31	PA92YK012						0.52											319
CY32	HA92YK118						0.97											400
CY33	HA92YK117						0.60											99
CY34	PA92YK013.1						0.51											153
CY34	PA92YK013.2						0.35											119
CY34	PA92YK013.3						0.35											102
CY34	PA92YK013.4						0.30											86
CY35	HA92YK119						0.69											117
CY36	HA92YK120						0.75											123
CY37	HA92YK121						0.82											134
CY38	HA92YK124						0.83											168
CY39	HA92YK123						0.75											113
CY40	HA92YK122						0.78											109
CY41	HA92YK125						0.86											100
CY42	PA92YK014.1						0.51											174
CY42	PA92YK014.2						0.51											131

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no	Year	Property name	Location name	Sample type	Quad name	Quad no	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
CY42	PA92YK014.3	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	28	Copper River					
CY43	HA92YK126	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	28	Copper River					
CY44	CH92YK128	92		Cape Yakataga	Channel	Bering Glacier	A-4	21S	18E	28	Copper River					
CY45	HA92YK127	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY46	PA92YK015.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	27	Copper River					
CY46	PA92YK015.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	27	Copper River					
CY46	PA92YK015.3	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	27	Copper River					
CY46	PA92YK015.4	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	27	Copper River					
CY46	PA92YK015.5	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	27	Copper River					
CY47	HA92YK129	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	34	Copper River					
CY48	HA92YK130.1	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY48	HA92YK130.2	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY49	HA92YK131.1	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY49	HA92YK131.2	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY50	CH92YK132	92		Cape Yakataga	Channel	Bering Glacier	A-4	21S	18E	34	Copper River					
CY51	CH92YK135	92		Cape Yakataga	Channel	Bering Glacier	A-4	21S	18E	35	Copper River					
CY52	HA92YK134	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY53	HA92YK133	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	33	Copper River					
CY54	PA92YK016.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	35	Copper River					
CY54	PA92YK016.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	35	Copper River					
CY54	PA92YK016.3	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	35	Copper River					
CY54	PA92YK016.4	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	35	Copper River					
CY55	CH92YK137.1	92		Cape Yakataga	Channel	Bering Glacier	A-4	21S	18E	35	Copper River					
CY55	CH92YK137.2	92		Cape Yakataga	Channel	Bering Glacier	A-4	21S	18E	35	Copper River					
CY56	HA92YK136	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	35	Copper River					
CY57	HA92YK138	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY58	HA92YK139	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY59	PA92YK017.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY59	PA92YK017.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY59	PA92YK017.3	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY59	PA92YK017.4	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY59	PA92YK017.5	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY60	HA92YK141	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY61	HA92YK140	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY62	HA92YK142	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	18E	36	Copper River					
CY63	HA92YK143.1	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	HA92YK143.2	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	HA92YK143.3	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	HA92YK143.4	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	PA92YK018.1	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	PA92YK018.2	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	PA92YK018.3	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	PA92YK018.4	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY63	PA92YK018.5	92		Cape Yakataga	Power auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY64	HA92YK144	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	19E	31	Copper River					
CY65	HA92YK145	92		Cape Yakataga	Hand auger	Bering Glacier	A-4	21S	19E	31	Copper River					

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
CY42	PA92YK014.3	<0.034																							
CY43	HA92YK126	<0.034																							
CY44	CH92YK128	<0.034																							
CY45	HA92YK127	<0.034																							
CY46	PA92YK015.1	<0.034																							
CY46	PA92YK015.2	<0.034																							
CY46	PA92YK015.3	0.069																							
CY46	PA92YK015.4	<0.034																							
CY46	PA92YK015.5	<0.034																							
CY47	HA92YK129	<0.034																							
CY48	HA92YK130.1	<0.034																							
CY48	HA92YK130.2	<0.034																							
CY49	HA92YK131.1	<0.034																							
CY49	HA92YK131.2	<0.034																							
CY50	CH92YK132	<0.034																							
CY51	CH92YK135	<0.034																							
CY52	HA92YK134	<0.034																							
CY53	HA92YK133																								
CY54	PA92YK016.1	<0.034																							
CY54	PA92YK016.2	<0.034																							
CY54	PA92YK016.3	<0.034																							
CY54	PA92YK016.4	<0.034																							
CY55	CH92YK137.1	<0.034																							
CY55	CH92YK137.2	<0.034																							
CY56	HA92YK136	<0.034																							
CY57	HA92YK138	<0.034																							
CY58	HA92YK139	<0.034																							
CY59	PA92YK017.1	<0.034																							
CY59	PA92YK017.2	<0.034																							
CY59	PA92YK017.3	<0.034																							
CY59	PA92YK017.4	<0.034																							
CY59	PA92YK017.5	<0.034																							
CY60	HA92YK141	<0.034																							
CY61	HA92YK140	<0.034																							
CY62	HA92YK142	<0.034																							
CY63	HA92YK143.1	<0.034																							
CY63	HA92YK143.2	<0.034																							
CY63	HA92YK143.3	<0.034																							
CY63	HA92YK143.4	<0.034																							
CY63	PA92YK018.1	<0.034																							
CY63	PA92YK018.2	0.069																							
CY63	PA92YK018.3	<0.034																							
CY63	PA92YK018.4	<0.034																							
CY63	PA92YK018.5	<0.034																							
CY64	HA92YK144	<0.034																							
CY65	HA92YK145	0.069																							

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
CY42	PA92YK014.3																									
CY43	HA92YK126																									
CY44	CH92YK128																									
CY45	HA92YK127																									
CY46	PA92YK015.1																									
CY46	PA92YK015.2																									
CY46	PA92YK015.3																									
CY46	PA92YK015.4																									
CY46	PA92YK015.5																									
CY47	HA92YK129																									
CY48	HA92YK130.1																									
CY48	HA92YK130.2																									
CY49	HA92YK131.1																									
CY49	HA92YK131.2																									
CY50	CH92YK132																									
CY51	CH92YK135																									
CY52	HA92YK134																									
CY53	HA92YK133																									
CY54	PA92YK016.1																									
CY54	PA92YK016.2																									
CY54	PA92YK016.3																									
CY54	PA92YK016.4																									
CY55	CH92YK137.1																									
CY55	CH92YK137.2																									
CY56	HA92YK136																									
CY57	HA92YK138																									
CY58	HA92YK139																									
CY59	PA92YK017.1																									
CY59	PA92YK017.2																									
CY59	PA92YK017.3																									
CY59	PA92YK017.4																									
CY59	PA92YK017.5																									
CY60	HA92YK141																									
CY61	HA92YK140																									
CY62	HA92YK142																									
CY63	HA92YK143.1																									
CY63	HA92YK143.2																									
CY63	HA92YK143.3																									
CY63	HA92YK143.4																									
CY63	PA92YK018.1																									
CY63	PA92YK018.2																									
CY63	PA92YK018.3																									
CY63	PA92YK018.4																									
CY63	PA92YK018.5																									
CY64	HA92YK144																									
CY65	HA92YK145																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	Uft	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
CY42	PA92YK014.3						0.31											101
CY43	HA92YK126						0.91											114
CY44	CH92YK128						0.75											144
CY45	HA92YK127						0.89											103
CY46	PA92YK015.1						0.51											117
CY46	PA92YK015.2						0.50											113
CY46	PA92YK015.3						0.33											105
CY46	PA92YK015.4						0.28											82
CY46	PA92YK015.5						0.26											87
CY47	HA92YK129						0.89											122
CY48	HA92YK130.1						0.88											120
CY48	HA92YK130.2						0.84											120
CY49	HA92YK131.1						0.94											122
CY49	HA92YK131.2						0.92											151
CY50	CH92YK132						0.84											164
CY51	CH92YK135						1.07											128
CY52	HA92YK134						0.89											113
CY53	HA92YK133																	
CY54	PA92YK016.1						0.56											163
CY54	PA92YK016.2						0.44											121
CY54	PA92YK016.3						0.28											97
CY54	PA92YK016.4						0.27											91
CY55	CH92YK137.1						0.86											134
CY55	CH92YK137.2						0.84											161
CY56	HA92YK136						0.93											147
CY57	HA92YK138						0.93											111
CY58	HA92YK139						0.88											116
CY59	PA92YK017.1						0.47											113
CY59	PA92YK017.2						0.41											118
CY59	PA92YK017.3						0.28											81
CY59	PA92YK017.4						0.32											93
CY59	PA92YK017.5						0.30											97
CY60	HA92YK141						0.77											169
CY61	HA92YK140						0.84											125
CY62	HA92YK142						0.84											130
CY63	HA92YK143.1						0.79											119
CY63	HA92YK143.2						0.82											109
CY63	HA92YK143.3						0.83											122
CY63	HA92YK143.4						0.71											138
CY63	PA92YK018.1						0.41											124
CY63	PA92YK018.2						0.42											117
CY63	PA92YK018.3						0.35											97
CY63	PA92YK018.4						0.34											147
CY63	PA92YK018.5						0.28											97
CY64	HA92YK144						0.74											127
CY65	HA92YK145						0.75											142

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	no	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
CY67	PA92YK030	92		Cape Yakataga	Channel	Bering Glacier A-4	21S	19E		32	Copper River					
CY68	CH92YK029.1	92		Cape Yakataga	Channel	Bering Glacier A-4	21S	19E		32	Copper River					
CY68	CH92YK029.2	92		Cape Yakataga	Channel	Bering Glacier A-4	21S	19E		32	Copper River					
CY69	PA92YK019.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	19E		31	Copper River					
CY69	PA92YK019.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	19E		31	Copper River					
CY69	PA92YK019.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	21S	19E		31	Copper River					
CY70	CH92YK148	92		Cape Yakataga	Channel	Bering Glacier A-4	21S	19E		31	Copper River					
CY71	HA92YK147	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	19E		31	Copper River					
CY72	HA92YK146	92		Cape Yakataga	Hand auger	Bering Glacier A-4	21S	19E		31	Copper River					
CY73	HA92YK149	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		5	Copper River					
CY74	HA92YK150	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		5	Copper River					
CY75	HA92YK151	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		5	Copper River					
CY76	HA92YK152	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		5	Copper River					
CY77	RS92YK194	92		Cape Yakataga	Alluvium	Bering Glacier A-4	21S	19E		29	Copper River					
CY78	PA92YK028.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY78	PA92YK028.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY78	PA92YK028.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY78	PA92YK028.4	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY79	CH92YK155	92		Cape Yakataga	Channel	Bering Glacier A-4	22S	19E		4	Copper River					
CY80	HA92YK154	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY81	HA92YK153	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY82	PA92YK020.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY82	PA92YK020.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY82	PA92YK020.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY83	PA92YK027.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY83	PA92YK027.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY83	PA92YK027.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY84	HA92YK157	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY85	HA92YK156	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY86	PA92YK021.1	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY86	PA92YK021.2	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY86	PA92YK021.3	92		Cape Yakataga	Power auger	Bering Glacier A-4	22S	19E		4	Copper River					
CY87	HA92YK158	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		3	Copper River					
CY88	HA92YK159	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		3	Copper River					
CY89	CH92YK162	92		Cape Yakataga	Channel	Bering Glacier A-4	22S	19E		3	Copper River					
CY90	HA92YK161	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		3	Copper River					
CY91	HA92YK160	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		3	Copper River					
CY92	HA92YK163	92		Cape Yakataga	Hand auger	Bering Glacier A-4	22S	19E		2	Copper River					
CY93	CH92YK164	92		Cape Yakataga	Channel	Bering Glacier A-4	22S	19E		2	Copper River					
CY94	RS92YK193	92		Cape Yakataga	Alluvium	Bering Glacier A-4	22S	19E		2	Copper River					
CY95	HA92YK165	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	19E		11	Copper River					
CY96	CH92YK166	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E		11	Copper River					
CY97	HA92YK167	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	19E		12	Copper River					
CY98	CH92YK168.1	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E		12	Copper River					
CY98	CH92YK168.2	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E		12	Copper River					
CY98	CH92YK168.3	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E		12	Copper River					

APPENDIX - 1991-92 Sample Analytical Results

Map no	Sample no	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
CY67	PA92YK030	<0.034																								
CY68	CH92YK029.1	0.069																								
CY68	CH92YK029.2	<0.034																								
CY69	PA92YK019.1	<0.034																								
CY69	PA92YK019.2	<0.034																								
CY69	PA92YK019.3	<0.034																								
CY70	CH92YK148	<0.034																								
CY71	HA92YK147	<0.034																								
CY72	HA92YK146	<0.034																								
CY73	HA92YK149	<0.034																								
CY74	HA92YK150	<0.034																								
CY75	HA92YK151	<0.034																								
CY76	HA92YK152	<0.034																								
CY77	RS92YK194	<0.034																								
CY78	PA92YK028.1	<0.034																								
CY78	PA92YK028.2	<0.034																								
CY78	PA92YK028.3	<0.034																								
CY78	PA92YK028.4	0.754																								
CY79	CH92YK155	<0.034																								
CY80	HA92YK154	<0.034																								
CY81	HA92YK153	<0.034																								
CY82	PA92YK020.1	<0.034																								
CY82	PA92YK020.2	<0.034																								
CY82	PA92YK020.3	<0.034																								
CY83	PA92YK027.1	<0.034																								
CY83	PA92YK027.2	<0.034																								
CY83	PA92YK027.3	<0.034																								
CY84	HA92YK157	<0.034																								
CY85	HA92YK156	<0.034																								
CY86	PA92YK021.1	<0.034																								
CY86	PA92YK021.2	<0.034																								
CY86	PA92YK021.3	<0.034																								
CY87	HA92YK158	<0.034																								
CY88	HA92YK159	<0.034																								
CY89	CH92YK162	<0.034																								
CY90	HA92YK161	<0.034																								
CY91	HA92YK160	<0.034																								
CY92	HA92YK163	<0.034																								
CY93	CH92YK164	<0.034																								
CY94	RS92YK193	<0.034																								
CY95	HA92YK165	<0.034																								
CY96	CH92YK166	<0.034																								
CY97	HA92YK167	0.069																								
CY98	CH92YK168.1	<0.034																								
CY98	CH92YK168.2	<0.034																								
CY98	CH92YK168.3	<0.034																								

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
CY67	PA92YK030																									
CY68	CH92YK029.1																									
CY68	CH92YK029.2																									
CY69	PA92YK019.1																									
CY69	PA92YK019.2																									
CY69	PA92YK019.3																									
CY70	CH92YK148																									
CY71	HA92YK147																									
CY72	HA92YK146																									
CY73	HA92YK149																									
CY74	HA92YK150																									
CY75	HA92YK151																									
CY76	HA92YK152																									
CY77	RS92YK194																									
CY78	PA92YK028.1																									
CY78	PA92YK028.2																									
CY78	PA92YK028.3																									
CY78	PA92YK028.4																									
CY79	CH92YK155																									
CY80	HA92YK154																									
CY81	HA92YK153																									
CY82	PA92YK020.1																									
CY82	PA92YK020.2																									
CY82	PA92YK020.3																									
CY83	PA92YK027.1																									
CY83	PA92YK027.2																									
CY83	PA92YK027.3																									
CY84	HA92YK157																									
CY85	HA92YK156																									
CY86	PA92YK021.1																									
CY86	PA92YK021.2																									
CY86	PA92YK021.3																									
CY87	HA92YK158																									
CY88	HA92YK159																									
CY89	CH92YK162																									
CY90	HA92YK161																									
CY91	HA92YK160																									
CY92	HA92YK163																									
CY93	CH92YK164																									
CY94	RS92YK193																									
CY95	HA92YK165																									
CY96	CH92YK166																									
CY97	HA92YK167																									
CY98	CH92YK168.1																									
CY98	CH92YK168.2																									
CY98	CH92YK168.3																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Str	Ta	Tb	Te	Th	Ti	Ti	Tm	Ua	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
CY67	PA92YK030						0.47											151
CY68	CH92YK029.1						0.47											161
CY68	CH92YK029.2						0.43											111
CY69	PA92YK019.1						0.45											104
CY69	PA92YK019.2						0.50											123
CY69	PA92YK019.3						0.43											129
CY70	CH92YK148						0.81											153
CY71	HA92YK147						0.86											136
CY72	HA92YK146						0.65											124
CY73	HA92YK149						0.70											153
CY74	HA92YK150						0.77											121
CY75	HA92YK151						0.79											128
CY76	HA92YK152						0.77											139
CY77	RS92YK194						0.88											150
CY78	PA92YK028.1						0.97											611
CY78	PA92YK028.2						0.76											343
CY78	PA92YK028.3						0.62											203
CY78	PA92YK028.4						0.58											197
CY79	CH92YK155						0.96											344
CY80	HA92YK154						0.78											132
CY81	HA92YK153						0.77											136
CY82	PA92YK020.1						0.42											156
CY82	PA92YK020.2						0.32											96
CY82	PA92YK020.3						0.34											95
CY83	PA92YK027.1						1.76											1892
CY83	PA92YK027.2						0.73											747
CY83	PA92YK027.3						1.27											1293
CY84	HA92YK157						0.76											163
CY85	HA92YK156						0.69											150
CY86	PA92YK021.1						0.48											173
CY86	PA92YK021.2						0.31											127
CY86	PA92YK021.3						0.28											92
CY87	HA92YK158						0.71											121
CY88	HA92YK159						0.73											122
CY89	CH92YK162						0.84											223
CY90	HA92YK161						0.82											165
CY91	HA92YK160						0.63											116
CY92	HA92YK163						0.40											91
CY93	CH92YK164						1.00											333
CY94	RS92YK193						0.80											181
CY95	HA92YK165						0.62											117
CY96	CH92YK166						2.28											2038
CY97	HA92YK167						0.40											85
CY98	CH92YK168.1						1.64											794
CY98	CH92YK168.2						0.72											182
CY98	CH92YK168.3						0.55											107

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
CY99	PA92YK026.1	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	19E	12	Copper River					
CY99	PA92YK026.2	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	19E	12	Copper River					
CY99	PA92YK026.3	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	19E	12	Copper River					
CY100	CH92YK170.1	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E	12	Copper River					
CY100	CH92YK170.2	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E	12	Copper River					
CY100	CH92YK170.3	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	19E	12	Copper River					
CY101	HA92YK169	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	19E	12	Copper River					
CY102	HA92YK171	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY103	CH92YK172	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	20E	7	Copper River					
CY104	RS92YK192	92		Cape Yakataga	Alluvium	Bering Glacier A-3	22S	20E	6	Copper River					
CY105	CH92YK174	92		Cape Yakataga	Channel	Bering Glacier A-3	22S	20E	7	Copper River					
CY106	HA92YK173	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY107	HA92YK175	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY108	PA92YK022	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	8	Copper River					
CY109	HA92YK176	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY110	HA92YK177	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY111	HA92YK178.1	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY111	HA92YK178.2	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY112	HA92YK181	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY113	HA92YK180	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY114	HA92YK179	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	7	Copper River					
CY115	PA92YK023.1	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY115	PA92YK023.2	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY116	HA92YK317	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY117	HA92YK316	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY118	HA92YK318	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY119	RS92YK191	92		Cape Yakataga	Alluvium	Bering Glacier A-3	22S	20E	9	Copper River					
CY120	HA92YK184	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY121	PA92YK024.1	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY121	PA92YK024.2	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY121	PA92YK024.3	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY121	PA92YK024.4	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY121	PA92YK024.5	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY122	HA92YK183	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY123	HA92YK182	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	9	Copper River					
CY124	HA92YK313	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY125	HA92YK314	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY126	HA92YK315	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY127	HA92YK312	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	10	Copper River					
CY128	HA92YK311	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	12	Copper River					
CY129	HA92YK310	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	12	Copper River					
CY130	PA92YK025.1	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	14	Copper River					
CY130	PA92YK025.2	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	14	Copper River					
CY130	PA92YK025.3	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	14	Copper River					
CY130	PA92YK025.4	92		Cape Yakataga	Power auger	Bering Glacier A-3	22S	20E	14	Copper River					
CY131	HA92YK309	92		Cape Yakataga	Hand auger	Bering Glacier A-3	22S	20E	14	Copper River					

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
CY99	PA92YK026.1	<0.034																								
CY99	PA92YK026.2	<0.034																								
CY99	PA92YK026.3	0.069																								
CY100	CH92YK170.1	<0.034																								
CY100	CH92YK170.2	<0.034																								
CY100	CH92YK170.3	<0.034																								
CY101	HA92YK169	<0.034																								
CY102	HA92YK171	0.103																								
CY103	CH92YK172	<0.034																								
CY104	RS92YK192	<0.034																								
CY105	CH92YK174	<0.034																								
CY106	HA92YK173	<0.034																								
CY107	HA92YK175	0.309																								
CY108	PA92YK022	<0.034																								
CY109	HA92YK176	<0.034																								
CY110	HA92YK177	<0.034																								
CY111	HA92YK178.1	<0.034																								
CY111	HA92YK178.2	<0.034																								
CY112	HA92YK181	<0.034																								
CY113	HA92YK180	<0.034																								
CY114	HA92YK179	<0.034																								
CY115	PA92YK023.1	<0.034																								
CY115	PA92YK023.2	<0.034																								
CY116	HA92YK317	<0.034																								
CY117	HA92YK316	<0.034																								
CY118	HA92YK318	<0.034																								
CY119	RS92YK191	<0.034																								
CY120	HA92YK184	<0.034																								
CY121	PA92YK024.1	<0.034																								
CY121	PA92YK024.2	<0.034																								
CY121	PA92YK024.3	<0.034																								
CY121	PA92YK024.4	<0.034																								
CY121	PA92YK024.5	<0.034																								
CY122	HA92YK183	<0.034																								
CY123	HA92YK182	<0.034																								
CY124	HA92YK313	<0.034																								
CY125	HA92YK314	<0.034																								
CY126	HA92YK315	<0.034																								
CY127	HA92YK312	<0.034																								
CY128	HA92YK311	<0.034																								
CY129	HA92YK310	<0.034																								
CY130	PA92YK025.1	0.069																								
CY130	PA92YK025.2	<0.034																								
CY130	PA92YK025.3	<0.034																								
CY130	PA92YK025.4	<0.034																								
CY131	HA92YK309	<0.034																								

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Ra ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Sa ppm	Sm ppm	Sn ppm
CY99	PA92YK026.1																									
CY99	PA92YK026.2																									
CY99	PA92YK026.3																									
CY100	CH92YK170.1																									
CY100	CH92YK170.2																									
CY100	CH92YK170.3																									
CY101	HA92YK169																									
CY102	HA92YK171																									
CY103	CH92YK172																									
CY104	RS92YK192																									
CY105	CH92YK174																									
CY106	HA92YK173																									
CY107	HA92YK175																									
CY108	PA92YK022																									
CY109	HA92YK176																									
CY110	HA92YK177																									
CY111	HA92YK178.1																									
CY111	HA92YK178.2																									
CY112	HA92YK181																									
CY113	HA92YK180																									
CY114	HA92YK179																									
CY115	PA92YK023.1																									
CY115	PA92YK023.2																									
CY116	HA92YK317																									
CY117	HA92YK316																									
CY118	HA92YK318																									
CY119	RS92YK191																									
CY120	HA92YK184																									
CY121	PA92YK024.1																									
CY121	PA92YK024.2																									
CY121	PA92YK024.3																									
CY121	PA92YK024.4																									
CY121	PA92YK024.5																									
CY122	HA92YK183																									
CY123	HA92YK182																									
CY124	HA92YK313																									
CY125	HA92YK314																									
CY126	HA92YK315																									
CY127	HA92YK312																									
CY128	HA92YK311																									
CY129	HA92YK310																									
CY130	PA92YK025.1																									
CY130	PA92YK025.2																									
CY130	PA92YK025.3																									
CY130	PA92YK025.4																									
CY131	HA92YK309																									

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	Ua	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
CY99	PA92YK026.1						0.72											371
CY99	PA92YK026.2						0.50											326
CY99	PA92YK026.3						0.40											236
CY100	CH92YK170.1						2.12											1688
CY100	CH92YK170.2						0.68											163
CY100	CH92YK170.3						0.46											119
CY101	HA92YK169						0.42											79
CY102	HA92YK171						0.76											198
CY103	CH92YK172						0.56											169
CY104	RS92YK192						0.82											172
CY105	CH92YK174						0.77											282
CY106	HA92YK173						0.56											150
CY107	HA92YK175						0.59											98
CY108	PA92YK022						0.32											92
CY109	HA92YK176						0.41											80
CY110	HA92YK177						0.62											121
CY111	HA92YK178.1						0.85											156
CY111	HA92YK178.2						0.80											111
CY112	HA92YK181						1.53											261
CY113	HA92YK180						1.29											134
CY114	HA92YK179						0.72											87
CY115	PA92YK023.1						0.59											113
CY115	PA92YK023.2						0.39											98
CY116	HA92YK317						0.82											96
CY117	HA92YK316						0.50											72
CY118	HA92YK318						1.09											225
CY119	RS92YK191						0.85											182
CY120	HA92YK184						1.06											192
CY121	PA92YK024.1						0.61											162
CY121	PA92YK024.2						0.34											83
CY121	PA92YK024.3						0.28											95
CY121	PA92YK024.4						0.26											69
CY121	PA92YK024.5						0.26											86
CY122	HA92YK183						0.89											85
CY123	HA92YK182						0.65											91
CY124	HA92YK313						0.43											77
CY125	HA92YK314						0.67											84
CY126	HA92YK315						1.11											233
CY127	HA92YK312						1.50											515
CY128	HA92YK311						0.57											84
CY129	HA92YK310						0.46											91
CY130	PA92YK025.1						0.80											453
CY130	PA92YK025.2						0.50											213
CY130	PA92YK025.3						0.35											135
CY130	PA92YK025.4						0.30											100
CY131	HA92YK309						0.57											114

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
CY132	HA92YK308	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	14	Copper River					
CY133	HA92YK307	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	14	Copper River					
CY134	RS92YK190	92		Cape Yakataga	Alluvium	Bering Glacier	A-3	22S	20E	14	Copper River					
CY135	HA92YK304	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	14	Copper River					
CY136	HA92YK305	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	14	Copper River					
CY137	HA92YK306	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	14	Copper River					
CY138	HA92YK303	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	13	Copper River					
CY139	HA92YK302	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	13	Copper River					
CY140	HA92YK301	92		Cape Yakataga	Hand auger	Bering Glacier	A-3	22S	20E	13	Copper River					
CY141	RS92YK189	92		Cape Yakataga	Alluvium	Bering Glacier	A-3	22S	20E	13	Copper River					
CY142	RS92YK188	92		Cape Yakataga	Alluvium	Icy Bay	D-3	22S	21E	21	Copper River					
CY143	CH92YK187	92		Cape Yakataga	Channel	Icy Bay	D2-3	22S	22E	28	Copper River					
CY144	HA92YK186	92		Cape Yakataga	Hand auger	Icy Bay	D2-3	22S	22E	4	Copper River					
CY145	HA92YK185	92		Cape Yakataga	Hand auger	Icy Bay	D2-3	22S	22E	4	Copper River					
EA1	KD27273	91		VABM Casca	Rock	Charley River	B-1	8N	31E	24	Fairbanks	<5			9	<5
EA2	KD27240	91		Step Mountain	Rock	Charley River	C-1	8N	31E	18	Fairbanks	<0.1				
EA3	KD27242	91		Step Mountain	Rock	Charley River	C-1	8N	31E	18	Fairbanks	<0.1				
EA3	KD27254	91		Step Mountain	Rock	Charley River	C-1	8N	31E	18	Fairbanks	0.3				
EA4	KD27241	91		Step Mountain	Rock	Charley River	C-1	8N	31E	18	Fairbanks	0.2				
EA5	KD27243	91		Step Mountain	Rock	Charley River	B-1	8N	31E	30	Fairbanks	0.2				
EA6	KD27244	91		Step Mountain	Rock	Charley River	B-2	7N	30E	4	Fairbanks	0.4				
EA7	KD27245	91		Step Mountain	Rock	Charley River	B-2	7N	30E	4	Fairbanks	0.2				
EA8	KD27255	91		Step Mountain	Rock	Charley River	B-2	7N	30E	4	Fairbanks		0.69			
EA9	KD27246	91		Step Mountain	Rock	Charley River	B-2	7N	30E	4	Fairbanks	0.2				
EA10	KD27274	91		VABM Casca	Rock	Charley River	B-1	6N	32E	1	Fairbanks					
EA11	KD27275	91		VABM Casca	Rock	Charley River	B-1	6N	32E	2	Fairbanks					
EA11	KD27276	91		VABM Casca	Rock	Charley River	B-1	6N	32E	2	Fairbanks					
EA11	KD27277	91		VABM Casca	Rock	Charley River	B-1	6N	32E	2	Fairbanks					
EA12	KD27278	91		VABM Casca	Rock	Charley River	B-1	6N	32E	2	Fairbanks					
EA13	KD27271	91		VABM Casca	Rock	Charley River	B-1	6N	32E	13	Fairbanks	<5			3	<5
EA14	KD27262	91		VABM Casca	Rock	Charley River	B-1	6N	32E	13	Fairbanks					
EA15	KD27270	91		VABM Casca	Rock	Charley River	B-1	6N	32E	13	Fairbanks	<5			4	<5
EA16	KD27263	91		VABM Casca	Rock	Charley River	B-1	6N	32E	13	Fairbanks					
EA17	KD27264	91		VABM Casca	Rock	Charley River	B-1	6N	32E	13	Fairbanks					
EA17	KD27272	91		VABM Casca	Rock	Charley River	B-1	5N	32E	13	Fairbanks					
EA18	KD27903	91		Yukon R.	Rock	Charley River	B-3	5N	27N	1	Fairbanks					
EA19	KD27902	91		Yukon R.	Rock	Charley River	B-3	5N	28E	6	Fairbanks					
EA20	KD27901	91		Yukon R.	Rock	Charley River	B-3	5N	28E	6	Fairbanks					
EA21	KD27429	91		Yukon R.	Rock	Charley River	B-3	5N	28E	6	Fairbanks					
EA22	KD27427	91		Yukon R.	Rock	Charley River	B-3	5N	28E	5	Fairbanks					
EA23	KD27428	91		Yukon R.	Rock	Charley River	B-3	5N	28E	6	Fairbanks					
EA24	KD27423	91		Nation R.	Rock	Charley River	B-3	4N	30E	5	Fairbanks					
EA24	KD27424	91		Nation R.	Rock	Charley River	B-3	4N	30E	5	Fairbanks					
EA25	KD27421	91		Nation R.	Rock	Charley River	B-3	4N	30E	5	Fairbanks					
EA25	KD27422	91		Nation R.	Rock	Charley River	B-3	4N	30E	5	Fairbanks					
EA26	KD27425	91		Nation R.	Rock	Charley River	B-3	4N	30E	5	Fairbanks					

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Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
CY132	HA92YK308	<0.034																							
CY133	HA92YK307	0.069																							
CY134	RS92YK190																								
CY135	HA92YK304	<0.034																							
CY136	HA92YK305	<0.034																							
CY137	HA92YK306	<0.034																							
CY138	HA92YK303	<0.034																							
CY139	HA92YK302	<0.034																							
CY140	HA92YK301	<0.034																							
CY141	RS92YK189	<0.034																							
CY142	RS92YK188	<0.034																							
CY143	CH92YK187	<0.034																							
CY144	HA92YK186	<0.034																							
CY145	HA92YK185	<0.034																							
EA1	KD27273		1000		<1		<10	120	15	190	7				<2	4.90				5			<100		31
EA2	KD27240																<10		<10				<1		
EA3	KD27242																<10		<10				<1		
EA3	KD27254																								
EA4	KD27241																<10		<10				<1		
EA5	KD27243																								
EA6	KD27244																								
EA7	KD27245																								
EA8	KD27255																								
EA9	KD27246																								
EA10	KD27274																								
EA11	KD27275																								
EA11	KD27276																								
EA11	KD27277																<10		<10						
EA12	KD27278																								
EA13	KD27271		200		<1		<10	<10	<10	730	<1				<2	0.60				<2			<100		<5
EA14	KD27262																								
EA15	KD27270		230		<1		<10	51	<10	610	1				<2	1.00				10			<100		13
EA16	KD27263																								
EA17	KD27264																								
EA17	KD27272																<10		<10						
EA18	KD27903																								
EA19	KD27902																								
EA20	KD27901																								
EA21	KD27429																								
EA22	KD27427																								
EA23	KD27428																								
EA24	KD27423																								
EA24	KD27424																								
EA25	KD27421																								
EA25	KD27422																								
EA26	KD27425																								

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Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
CY132	HA92YK308																									
CY133	HA92YK307																									
CY134	RS92YK190																									
CY135	HA92YK304																									
CY136	HA92YK305																									
CY137	HA92YK306																									
CY138	HA92YK303																									
CY139	HA92YK302																									
CY140	HA92YK301																									
CY141	RS92YK189																									
CY142	RS92YK188																									
CY143	CH92YK187																									
CY144	HA92YK186																									
CY145	HA92YK185																									
EA1	KD27273		1			3	1.00			48								180				1	20	<10	6	<200
EA2	KD27240					<1							199													
EA3	KD27242					1							292													
EA3	KD27254					8							170													
EA4	KD27241					<1							255													
EA5	KD27243					13							36													
EA6	KD27244					1							23													
EA7	KD27245					12							14													
EA8	KD27255																									
EA9	KD27246					9							34													
EA10	KD27274											25														
EA11	KD27275											12														
EA11	KD27276											11														
EA11	KD27277											23														
EA12	KD27278											2														
EA13	KD27271		<0.5			13	<0.05			<20					4		<5	<10				1	1	<10	<0.2	<200
EA14	KD27262											4														
EA15	KD27270		<0.5			<2	0.09			<20					<1		<5	70				1	4	<10	2	<200
EA16	KD27263											0														
EA17	KD27264											17														
EA17	KD27272											13							<.001							
EA18	KD27903																									
EA19	KD27902																									
EA20	KD27901																									
EA21	KD27429																									
EA22	KD27427																									
EA23	KD27428																									
EA24	KD27423																									
EA24	KD27424																									
EA25	KD27421																									
EA25	KD27422																									
EA26	KD27425																									

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Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Fe ppm	Th ppm	Ti %	Hf ppm	Tm ppm	Uft ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
CY132	HA92YK308						0.55											94
CY133	HA92YK307						1.27											530
CY134	RS92YK190																	
CY135	HA92YK304						1.26											564
CY136	HA92YK305						0.68											118
CY137	HA92YK306						0.59											99
CY138	HA92YK303						0.64											102
CY139	HA92YK302						0.76											126
CY140	HA92YK301						0.69											170
CY141	RS92YK189						0.83											171
CY142	RS92YK188						0.85											206
CY143	CH92YK187						0.96											136
CY144	HA92YK186						0.94											153
CY145	HA92YK185						0.89											153
EA1	KD27273		<1	<1	<20	9					3		<2		<5	250		<500
EA2	KD27240							<0.1										
EA3	KD27242						0											
EA3	KD27254											100				921		
EA4	KD27241						<0.1											
EA5	KD27243											376				9090		
EA6	KD27244											94				11200		
EA7	KD27245											119				1500		
EA8	KD27255																	
EA9	KD27246											254				392		
EA10	KD27274									570		967						
EA11	KD27275									350		1258						
EA11	KD27276									350		174						
EA11	KD27277							0		570		171						
EA12	KD27278									37		55						
EA13	KD27271		<1	<1	<20	<0.5					3		<2		<5	<200		<500
EA14	KD27262									90		47						
EA15	KD27270		<1	<1	<20	4					2		<2		<5	<200		<500
EA16	KD27263									2		16						
EA17	KD27264									610		60						
EA17	KD27272						<0.1			610		67						
EA18	KD27903																	
EA19	KD27902																	
EA20	KD27901																	
EA21	KD27429																	
EA22	KD27427																	
EA23	KD27428																	
EA24	KD27423																	
EA24	KD27424																	
EA25	KD27421																	
EA25	KD27422																	
EA26	KD27425																	

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
EA26	KD28645	91		Kandik	Rock	Charley River	A-2	4N	30E	5	Fairbanks	<0.1				
EA27	KD28644	91		Kandik	Rock	Charley River	A-2	4N	30E	5	Fairbanks	<0.1				
EA28	KD27426	91		Nation R.	Rock	Charley River	A-2	4N	30E	5	Fairbanks					
EA29	VD28303	92		Nation R.	Stream sed.	Charley River	B-2	5N	30E	7	Fairbanks	0.6		3.16	29	
EA30	VD28304	92		Nation R.	Stream sed.	Charley River	B-2	5N	29E	24	Fairbanks	<0.5		3.32	16	
EA31	VD28302	92		Nation R.	Rock	Charley River	B-2	5N	30E	7	Fairbanks	0.8				
EA32	VD28301	92		Nation R.	Rock	Charley River	B-2	5N	30E	7	Fairbanks	<0.5		1.64	32	
EA33	VD28300	92		Nation R.	Rock	Charley River	B-2	5N	30E	7	Fairbanks	5.8				
EA34	VD28299	92		Nation R.	Rock	Charley River	B-2	5N	30E	7	Fairbanks	<0.5		2.17	18	
EA35	VD28296	92		Nation R.	Stream sed.	Charley River	B-2	5N	30E	7	Fairbanks	<0.5		3.66	26	
EA36	VD28297	92		Nation R.	Rock	Charley River	B-2	5N	30E	7	Fairbanks	0.1		1.40	32	
EA36	VD28298	92		Nation R.	Rock	Charley River	B-2	5N	30E	7	Fairbanks	0.2				
EA37	VD28749	92		Hardluck Cr.	Rock	Charley River	B-1	5N	31E	10	Fairbanks	<0.1				
EA38	VD28750	92		Hardluck Cr.	Rock	Charley River	B-1	5N	31E	10	Fairbanks	<0.1				
EA39	VD28275	92		Hard Luck Cr.	Soil	Charley River	B-1	5N	31E	10	Fairbanks	<0.5		3.72	130	
EA40	VD28276	92		Hard Luck Cr.	Stream sed.	Charley River	B-1	5N	31E	15	Fairbanks	0.5		2.37	26	
EA41	VD28278	92		Hard Luck Cr.	Stream sed.	Charley River	B-1	5N	31E	15	Fairbanks	0.6		3.87	26	
EA42	VD28277	92		Hard Luck Cr.	Stream sed.	Charley River	B-1	5N	31E	15	Fairbanks	<0.5		3.70	22	
EA43	VD28279	92		Hard Luck Cr.	Stream sed.	Charley River	B-1	5N	31E	15	Fairbanks	<0.5		3.07	11	
EA44	VD28280	92		Hard Luck Cr.	Rock	Charley River	B-1	5N	31E	15	Fairbanks	0.2				
EA45	KD27252	91		Harrington Cr.	Rock	Charley River	B-1	5N	31E	14	Fairbanks	<5			4	6
EA45	KD27253	91		Harrington Cr.	Rock	Charley River	B-1	5N	31E	14	Fairbanks	<5			7	12
EA45	KD27260	91		Harrington Cr.	Rock	Charley River	B-1	5N	31E	14	Fairbanks	<5			6	<5
EA46	VD28281	92		Hard Luck Cr.	Stream sed.	Charley River	B-1	5N	31E	15	Fairbanks	<0.5		3.33	31	
EA47	KD27259	91		Harrington Cr.	Rock	Charley River	A-1	5N	31E	14	Fairbanks					
EA48	KD27251	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	10	Fairbanks	<5			22	7
EA48	KD27257	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	10	Fairbanks	<5			8	<5
EA48	KD27258	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	10	Fairbanks	<5			9	<5
EA49	KD27247	91		Step Mountain	Rock	Charley River	A-1	3N	33E	22	Fairbanks	<5			13	<5
EA49	KD27248	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	22	Fairbanks	<5			15	<5
EA49	KD27249	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	22	Fairbanks	<5			7	<5
EA49	KD27250	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	22	Fairbanks					
EA49	KD27256	91		Harrington Cr.	Rock	Charley River	A-1	3N	33E	22	Fairbanks	<5			21	<5
EA50	VD28226	92		Windfall Mtn.	Rock	Charley River	A-1	3N	32E	9	Fairbanks	<0.1				
EA51	VD28227	92		Windfall Mtn.	Rock	Charley River	A-1	2N	32E	17	Fairbanks	0.2				
EA52	VD28742	92		Windfall Mtn.	Rock	Charley River	A-1	3N	32E	21	Fairbanks	0.6				
EA52	VD28743	92		Windfall Mtn.	Stream sed.	Charley River	A-1	3N	32E	21	Fairbanks	<0.5		2.21	30	
EA52	VD28744	92		Windfall Mtn.	Rock	Charley River	A-1	3N	32E	20	Fairbanks	<0.1				
EA53	VD28228	92		Windfall Mtn.	Rock	Charley River	A-1	3N	32E	20	Fairbanks	0.5				
EA54	VD28745	92		Windfall Mtn.	Stream sed.	Charley River	A-1	3N	32E	20	Fairbanks	<0.5		3.76	<5	
EA55	VD28746	92		Windfall Mtn.	Stream sed.	Charley River	A-1	3N	32E	20	Fairbanks	<0.5		3.70	13	
EA56	VD28748	92		Windfall Mtn.	Stream sed.	Charley River	A-1	3N	32E	30	Fairbanks	<0.5		1.21	17	
EA57	VD28747	92		Windfall Mtn.	Stream sed.	Charley River	A-1	3N	32E	20	Fairbanks	<0.5		2.37	23	
EA58	KD28634	91		Yukon R.	Rock	Charley River	A-1	3N	32E	31	Fairbanks	<0.1				
EA59	KD28635	91		Yukon R.	Rock	Charley River	A-1	3N	32E	32	Fairbanks	0.1				
EA60	KD28642	91		Yukon R.	Rock	Charley River	A-1	3N	32E	32	Fairbanks	9.9				

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Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
EA26	KD28645																									
EA27	KD28644																									
EA28	KD27426																									
EA29	VD28303		956	12		1.53	<2		15	108		34					3.15	14							0.92	11
EA30	VD28304		1418	<5		0.92	<2		12	78		34					3.11	17							0.84	8
EA31	VD28302																									
EA32	VD28301		94	18		6.66	28		4	138		60					1.68	<10							0.66	7
EA33	VD28300																									
EA34	VD28299		114	10		0.66	<2		7	27		99					>10	<10							0.71	<5
EA35	VD28296		1014	13		1.29	<2		17	97		29					3.04	17							0.86	12
EA36	VD28297		317	<5		0.08	<2		2	128		36					3.43	19							0.94	<5
EA36	VD28298																									
EA37	VD28749																									
EA38	VD28750																									
EA39	VD28275		990	<5		>10	<2		4	184		13					7.68	12							1.00	257
EA40	VD28276		904	12		1.53	<2		9	144		36					2.83	19							0.85	10
EA41	VD28278		900	8		1.16	<2		8	85		34					2.92	11							0.86	9
EA42	VD28277		1143	15		1.27	<2		9	136		40					3.12	15							1.06	10
EA43	VD28279		677	7		2.51	<2		10	55		60					3.20	14							0.91	18
EA44	VD28280																									
EA45	KD27252		830		<1		<10	27	<10	560	<1					<2	2.40			6			<100			8
EA45	KD27253		360		<1		<10	70	<10	480	3					<2	1.20			7			<100			29
EA45	KD27260		170		<1		<10	83	<10	820	<1					<2	3.00			7			<100			21
EA46	VD28281		789	<5		2.01	<2		9	122		30					3.02	15							0.89	14
EA47	KD27259																									
EA48	KD27251		3900		<1		<10	53	<10	190	2					<2	6.40			<2			<100			32
EA48	KD27257		2100		<1		<10	28	<10	430	1					<2	0.90			<2			<100			10
EA48	KD27258		4900		<1		<10	38	<10	530	1					<2	2.40			<2			<100			15
EA49	KD27247		640		<1		<10	37	<10	460	1					<2	1.30			<2			<100			20
EA49	KD27248		680		<1		<10	57	<10	360	2					<2	1.30			<2			<100			25
EA49	KD27249		870		<1		<10	39	<10	190	2					<2	0.70			<2			<100			12
EA49	KD27250																									
EA49	KD27256		800		<1		<10	29	<10	480	1					<2	2.10			<2			<100			16
EA50	VD28226																									
EA51	VD28227																									
EA52	VD28742																									
EA52	VD28743		1947	11		2.93	<2		32	119		114					4.74	12							0.97	14
EA52	VD28744		0																							
EA53	VD28228																									
EA54	VD28745		666	<5		1.07	<2		12	61		21					3.31	<10							0.84	13
EA55	VD28746		1434	12		1.42	<2		13	76		35					5.79	13							1.08	12
EA56	VD28748		1567	<5		0.30	<2		8	122		25					2.23	<10							0.70	<5
EA57	VD28747		1520	<5		0.33	<2		6	144		28					2.49	13							0.72	<5
EA58	KD28634																									
EA59	KD28635																									
EA60	KD28642																									

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Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
EA26	KD28645																									
EA27	KD28644																									
EA28	KD27426																									
EA29	VD28303	32		0.75	444	<1	0.85	9		84			5									<5				<20
EA30	VD28304	23		0.65	670	4	0.94	9		51			<2									10				<20
EA31	VD28302																									
EA32	VD28301	10		3.20	390	37	0.30	<5		111			<2									6				<20
EA33	VD28300																									
EA34	VD28299	64		4.71	2832	<1	0.47	<5		116			<2									<5				30
EA35	VD28296	37		0.84	478	<1	1.28	12		88			<2									6				<20
EA36	VD28297	40		0.38	66	8	0.41	8		79			<2									24				<20
EA36	VD28298																									
EA37	VD28749																									
EA38	VD28750																									
EA39	VD28275	71		0.58	142	43	0.53	8		47			18									<5				23
EA40	VD28276	42		0.42	262	<1	0.38	9		72			<2									<5				<20
EA41	VD28278	44		0.79	388	<1	0.60	11		71			4									8				<20
EA42	VD28277	43		0.68	310	<1	0.64	9		75			9									7				22
EA43	VD28279	31		0.86	1370	<1	0.67	26		39			<2									<5				<20
EA44	VD28280																									
EA45	KD27252		<0.5			<2	0.05			<20					<1		7	18				0	3	<10	1	<200
EA45	KD27253		<0.5			6	0.16			<20					2		7	120				1	7	<10	5	<200
EA45	KD27260		<0.5			<2	0.06			<20					<1		8	26				1	2	<10	4	<200
EA46	VD28281	36		0.63	369	3	0.59	9		69			<2									15				<20
EA47	KD27259																									
EA48	KD27251		<0.5			8	0.13			<20					4		10	60				1	6	15	3	<200
EA48	KD27257		<0.5			7	0.17			<20					4		6	46				1	5	<10	2	<200
EA48	KD27258		<0.5			6	0.06			<20					4		5	34				1	3	19	3	<200
EA49	KD27247		<0.5			42	<0.05			45					<1		<5	38				4	4	<10	2	<200
EA49	KD27248		<0.5			46	<0.05			24					2		8	40				7	7	10	2	<200
EA49	KD27249		<0.5			29	0.05			22					2		<5	53				5	4	<10	1	<200
EA49	KD27250																									
EA49	KD27256		<0.5			59	<0.05			<20					<1		8	33				5	4	<10	1	<200
EA50	VD28226																									
EA51	VD28227																									
EA52	VD28742																									
EA52	VD28743	25		0.78	525	7	0.40	13		183			8									9				<20
EA52	VD28744											3														
EA53	VD28228																									
EA54	VD28745	27		0.66	689	<1	0.49	12		43			11									11				<20
EA55	VD28746	28		0.67	338	5	0.42	14		90			11									<5				25
EA56	VD28748	31		0.41	137	3	0.44	6		82			<2									<5				<20
EA57	VD28747	31		0.54	172	4	0.49	6		81			<2									<5				<20
EA58	KD28634																									
EA59	KD28635																									
EA60	KD28642																									

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Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Tl ppm	Tm ppm	Uf ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
EA26	KD28645									1		24						
EA27	KD28644									3		39						
EA28	KD27426																	
EA29	VD28303	151	<5		<25		0.35					151	<20	14		308		53
EA30	VD28304	143	<5		<25		0.35					242	<20	10		154		57
EA31	VD28302									9		1186						
EA32	VD28301	154	<5		<25		0.10					936	<20	25		1039		30
EA33	VD28300											828						
EA34	VD28299	66	<5		<25		0.11					210	<20	29		533		86
EA35	VD28296	184	<5		<25		0.48					149	<20	10		182		69
EA36	VD28297	33	18		<25		0.34					287	<20	5		155		67
EA36	VD28298									3		305						
EA37	VD28749									37		26						
EA38	VD28750									3		30						
EA39	VD28275	684	<5		<25		0.22			58		320	<20	293		77		86
EA40	VD28276	106	<5		<25		0.32					167	<20	17		184		58
EA41	VD28278	109	<5		<25		0.35					158	<20	11		183		74
EA42	VD28277	127	22		<25		0.39					169	<20	15		174		75
EA43	VD28279	126	<5		<25		0.33					134	<20	13		104		104
EA44	VD28280											377						
EA45	KD27252		<1	<1	<20	2					1		<2		<5	<200		<500
EA45	KD27253		<1	<1	<20	6					2		<2		<5	<200		<500
EA45	KD27260		<1	<1	<20	4					1		<2		<5	<200		<500
EA46	VD28281	125	<5		<25		0.33					177	<20	17		128		66
EA47	KD27259											36						
EA48	KD27251		<1	<1	<20	3					4		<2		<5	<200		<500
EA48	KD27257		<1	<1	<20	2					4		<2		<5	<200		<500
EA48	KD27258		<1	<1	<20	2					1		<2		<5	<200		<500
EA49	KD27247		<1	<1	<20	2					6		<2		<5	2200		<500
EA49	KD27248		<1	<1	<20	3					15		<2		<5	260		<500
EA49	KD27249		<1	<1	<20	2					4		<2		<5	340		<500
EA49	KD27250									3		36						
EA49	KD27256		<1	<1	<20	1					6		<2		<5	<200		<500
EA50	VD28226									37		67						
EA51	VD28227											638						
EA52	VD28742											250						
EA52	VD28743	123	<5		<25		0.36					304	<20	14		454		72
EA52	VD28744											69						
EA53	VD28228									3		258						
EA54	VD28745	163	6		<25		0.36					94	<20	12		94		116
EA55	VD28746	121	<5		<25		0.37					154	<20	15		467		123
EA56	VD28748	71	<5		<25		0.27					145	<20	6		159		56
EA57	VD28747	86	<5		<25		0.27					151	<20	7		178		62
EA58	KD28634									3		267						
EA59	KD28635									2		414						
EA60	KD28642									35		415						

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Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	no	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
EA60	KD28643	91		Yukon R.	Rock	Charley River	A-1	3N	32E	32 Fairbanks	8.4				
EA61	KD28641	91		Yukon R.	Rock	Charley River	A-1	3N	32E	32 Fairbanks	1.0				
EA62	KD28640	91		Yukon R.	Rock	Charley River	A-1	3N	32E	32 Fairbanks	13.1				
EA63	KD28636	91		Yukon R.	Rock	Charley River	A-1	2N	31E	1 Fairbanks	8.7				
EA63	KD28637	91		Yukon R.	Rock	Charley River	A-1	2N	31E	1 Fairbanks	5.4				
EA63	KD28638	91		Yukon R.	Rock	Charley River	A-1	2N	31E	1 Fairbanks	0.2				
EA64	KD28639	91		Yukon R.	Rock	Charley River	A-1	2N	32E	5 Fairbanks	11.0				
EA65	KD27418	91		Yukon R.	Rock	Eagle	D-1	2N	31E	23 Fairbanks					
EA65	KD27419	91		Yukon R.	Rock	Eagle	D-1	2N	31E	23 Fairbanks					
EA65	KD27446	91		Yukon R.	Rock	Eagle	D-1	2N	31E	23 Fairbanks					
EA65	KD27447	91		Yukon R.	Rock	Eagle	D-1	1N	31E	23 Fairbanks					
EA66	KD27445	91		Yukon R.	Rock	Eagle	D-1	1N	32E	12 Fairbanks					
EA67	KD27444	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA68	KD27437	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA68	KD27438	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA68	KD27439	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA68	KD27440	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA68	KD27441	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA69	KD27442	91		Yukon R.	Rock	Eagle	D-1	1N	32E	5 Fairbanks					
EA70	VD28224	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	28 Fairbanks	<0.5		0.58	22	
EA70	VD28225	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	28 Fairbanks	1.9		2.18	41	
EA71	VD28223	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	28 Fairbanks	6.1		2.68	60	
EA72	VD28222	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	28 Fairbanks	3.2				
EA73	VD28221	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	33 Fairbanks	0.3				
EA74	VD28219	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	33 Fairbanks	<0.5		1.64	17	
EA74	VD28220	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	33 Fairbanks	<0.1				
EA75	VD28218	92		Hillard Peak	Rock	Eagle	D-1	2N	33E	33 Fairbanks	<0.5		0.68	10	
EA76	VD28216	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	4 Fairbanks	0.2				
EA76	VD28217	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	4 Fairbanks	<0.5		0.67	17	
EA77	VD28215	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	4 Fairbanks	1.2				
EA78	VD28212	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	4 Fairbanks	0.9				
EA78	VD28213	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	4 Fairbanks	0.7				
EA78	VD28214	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	4 Fairbanks	0.7				
EA79	VD28208	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	3 Fairbanks	0.4				
EA79	VD28211	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	3 Fairbanks	0.8				
EA80	VD28209	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	3 Fairbanks	<0.1				
EA80	VD28210	92		Hillard Peak	Rock	Eagle	D-1	1N	33E	3 Fairbanks	0.9				
EA81	KD27435	91		Yukon R.	Rock	Eagle	D-1	1N	32E	11 Fairbanks					
EA81	KD27436	91		Yukon R.	Rock	Eagle	D-1	1N	32E	11 Fairbanks					
HI1	MN28369	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S	7W	5 Copper River					
HI1	MN28370	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S	7W	5 Copper River					
HI2	MN28371	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S	7W	5 Copper River					
HI3	MN28382	92		Hinchinbrook Is.	Stream sed.	Cordova	B-7	17S	7W	33 Copper River	4.0		3.56	134	
HI4	MN28374	92		Hinchinbrook Is.	Rock	Cordova	B-7	17S	7W	33 Copper River	0.7		1.48	57	
HI4	MN28375	92		Hinchinbrook Is.	Rock	Cordova	B-7	17S	7W	33 Copper River					
HI5	MN28372	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S	7W	4 Copper River	1.5		1.81	89	

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Map no.	Sample no.	Au g/ml	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
EA60	KD28643																								
EA61	KD28641																								
EA62	KD28640																								
EA63	KD28636																								
EA63	KD28637																								
EA63	KD28638																								
EA64	KD28639																								
EA65	KD27418																								
EA65	KD27419																								
EA65	KD27446																								
EA65	KD27447																								
EA66	KD27445																								
EA67	KD27444																								
EA68	KD27437																								
EA68	KD27438																								
EA68	KD27439																								
EA68	KD27440																								
EA68	KD27441																								
EA69	KD27442																								
EA70	VD28224		529	7		3.80	<2		<1	371		55				0.45	<10							0.19	6
EA70	VD28225		438	6		>10	<2		<1	255		498				1.18	<10							0.74	32
EA71	VD28223		531	10		>10	5		<1	377		1439				1.32	16							1.18	53
EA72	VD28222																								
EA73	VD28221																								
EA74	VD28219		688	<5		0.54	<2		8	228		15				>10	<10							0.50	<5
EA74	VD28220																								
EA75	VD28218		314	<5		1.04	<2		8	183		11				>10	<10							0.56	<5
EA76	VD28216																								
EA76	VD28217		947	<5		0.02	<2		<1	314		24				0.72	<10							0.43	<5
EA77	VD28215																								
EA78	VD28212																								
EA78	VD28213																								
EA78	VD28214																								
EA79	VD28208																								
EA79	VD28211																								
EA80	VD28209																								
EA80	VD28210																								
EA81	KD27435																								
EA81	KD27436																								
HI1	MN28369																								
HI1	MN28370																								
HI2	MN28371																								
HI3	MN28382		186	98		2.28	<2		45	88		163				>10	61							0.70	<5
HI4	MN28374		1089	25		4.70	<2		11	53		32				>10	36							0.35	<5
HI4	MN28375																								
HI5	MN28372		845	52		1.67	<2		30	81		83				4.61	43							1.13	<5

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pl ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
EA60	KD28643											19														
EA61	KD28641																									
EA62	KD28640																									
EA63	KD28636																									
EA63	KD28637																									
EA63	KD28638																									
EA64	KD28639																									
EA65	KD27418																									
EA65	KD27419																									
EA65	KD27446																									
EA65	KD27447																									
EA66	KD27445																									
EA67	KD27444																									
EA68	KD27437																									
EA68	KD27438																									
EA68	KD27439																									
EA68	KD27440																									
EA68	KD27441																									
EA69	KD27442																									
EA70	VD28224	4		0.04	31	<1	0.03	<5		36			<2									<5			<20	
EA70	VD28225	19		0.18	21	26	0.05	<5		72			<2									12			<20	
EA71	VD28223	17		0.25	16	38	0.16	<5		232			26									14			<20	
EA72	VD28222																									
EA73	VD28221																									
EA74	VD28219	20		1.14	1003	<1	0.13	<5		69			<2									<5			<20	
EA74	VD28220																									
EA75	VD28218	16		1.65	1457	<1	0.17	<5		80			<2									<5			<20	
EA76	VD28216																									
EA76	VD28217	11		0.07	25	29	0.07	<5		51			<2									17			<20	
EA77	VD28215																									
EA78	VD28212																									
EA78	VD28213																									
EA78	VD28214																									
EA79	VD28208																									
EA79	VD28211																									
EA80	VD28209																									
EA80	VD28210																									
EA81	KD27435																									
EA81	KD27436																									
HI1	MN28369				0.33%																					
HI1	MN28370				0.17%																					
HI2	MN28371				26.00%																					
HI3	MN28382	26		1.87	0.18%	15	1.56	19		87			57									96			100	
HI4	MN28374	22		1.14	1.97%	16	0.79	18		92			26									<5			30	
HI4	MN28375				27.46%																					
HI5	MN28372	29		1.11	0.34%	8	1.46	14		80			25									34			37	

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Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Uf ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
EA60	KD28643									375		389						
EA61	KD28641									6		167						
EA62	KD28640									79		2000						
EA63	KD28636									29		316						
EA63	KD28637									27		702						
EA63	KD28638									19		612						
EA64	KD28639									12		210						
EA65	KD27418																	
EA65	KD27419																	
EA65	KD27446																	
EA65	KD27447																	
EA66	KD27445																	
EA67	KD27444																	
EA68	KD27437																	
EA68	KD27438																	
EA68	KD27439																	
EA68	KD27440																	
EA68	KD27441																	
EA69	KD27442																	
EA70	VD28224	45	<5	<25			0.01		28		161	<20	17			62		<5
EA70	VD28225	139	<5	<25			0.01		50		1135	<20	95			25		8
EA71	VD28223	199	18	<25			0.01		188		>2000	<20	194			104		21
EA72	VD28222								112		1056							
EA73	VD28221								42		137							
EA74	VD28219	63	<5	<25			0.13				84	<20	16			88		24
EA74	VD28220										134							
EA75	VD28218	39	<5	<25			0.10				76	<20	<5			32		9
EA76	VD28216										205							
EA76	VD28217	38	<5	<25			0.07				697	<20	5			19		19
EA77	VD28215										826							
EA78	VD28212										438							
EA78	VD28213										143							
EA78	VD28214										237							
EA79	VD28208										211							
EA79	VD28211										293							
EA80	VD28209										19							
EA80	VD28210								40		427							
EA81	KD27435																	
EA81	KD27436																	
HI1	MN28369																	
HI1	MN28370																	
HI2	MN28371																	
HI3	MN28382	117	<5		64		0.95				359	<20	15			114		83
HI4	MN28374	91	<5		30		0.07				81	<20	<5			40		40
HI4	MN28375																	
HI5	MN28372	89	<5		29		0.37				172	<20	<5			104		22

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
HI5	MN28373	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S 7W	4	Copper River	2.2		4.03	153	
HI6	MN28383	92		Hinchinbrook Is.	Stream sed.	Cordova	B-7	17S 7W	33	Copper River	3.5		2.98	125	
HI7	MN28384	92		Hinchinbrook Is.	Stream sed.	Cordova	B-7	17S 7W	33	Copper River	3.2		3.58	144	
HI8	MN28367	92		Hinchinbrook Is.	Rock	Cordova	B-7	17S 7W	34	Copper River					
HI9	MN28329	92		Hinchinbrook Is.	Rock	Cordova	B-7	T17 7W	34	Copper River	2.2		2.31	85	
HI9	MN28331	92		Hinchinbrook Is.	Rock	Cordova	B-7	T17 7W	34	Copper River					
HI9	MN28332	92		Hinchinbrook Is.	Rock	Cordova	B-7	T17 7W	34	Copper River					
HI10	MN28368	92		Hinchinbrook Is.	Rock	Cordova	B-7	17S 7W	34	Copper River					
HI11	MN28366	92		Hinchinbrook Is.	Rock	Cordova	B-7	17S 7W	34	Copper River					
HI12	MN28699	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S 7W	11	Copper River					
HI12	MN28700	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S 7W	11	Copper River					
HI13	MN28701	92		Hinchinbrook Is.	Rock	Cordova	B-7	18S 7W	1	Copper River	8.2		0.53	159	
HI14	MN28702	92		Hinchinbrook Is.	Stream sed.	Cordova	B-7	17S 6W	32	Copper River	3.3		3.45	156	
HP1	91JF175	91		Siniktanneyak Mtn.	Pan conc.	Howard Pass	B-5	12S 28W	19	Umiat	<0.5		3.41	<5	2
HP1	91JF176	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	12S 28W	19	Umiat	<0.5		4.21	<5	5
HP2	91JF172	91		Siniktanneyak Mtn.	Pan conc.	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		4.56	<5	12
HP3	91JF166	91		Siniktanneyak Mtn.	Pan conc.	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		3.36	<5	84
HP4	91JF167	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		4.40	<5	2
HP5	91JF168	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		4.82	34	2
HP5	91JF169	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		5.96	<5	2
HP6	91JF170	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		2.34	40	2
HP7	91JF171	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		7.08	14	5
HP8	91JF174	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	<0.5		8.25	32	4
HP9	91JF173	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	12S 29W	26	Umiat	0.5		4.99	17	3
HP10	91JF157	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	1.1		5.20	<5	8
HP11	91JF155	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		2.58	<5	3
HP11	91JF156	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		4.17	11	4
HP12	91JF158	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		5.16	<5	4
HP12	91JF159	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		7.79	63	2
HP13	91JF154	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		2.49	21	2
HP13	91JF160	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	1.2		5.28	<5	4
HP14	91JF152	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		9.54	37	4
HP14	91JF153	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		4.44	9	3
HP15	91JF151	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		1.88	<5	5
HP16	91JF161A	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		6.36	61	5
HP16	91JF161B	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		9.85	12	2
HP16	91JF162	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		7.96	30	4
HP16	91JF163	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		5.56	26	2
HP16	91JF164	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		3.07	20	3
HP17	91JF150	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		4.08	47	2
HP18	91JF149	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		3.38	44	5
HP19	91JF147	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		10.00	28	3
HP19	91JF148	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 1E	14	Kateel River	<0.5		10.00	31	2
HP20	91JF114	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	21	Kateel River	0.5		3.80	37	6
HP21	91JF113	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	21	Kateel River	<0.5		3.29	28	9
HP22	91JF115	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	21	Kateel River	<0.5		3.40	10	4

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no	Au g/ml	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
HI5	MN28373		832	71		>10	<2		37	42		34					2.91	48							1.34	18
HI6	MN28383		383	79		2.62	<2		37	84		125					7.78	49							0.78	5
HI7	MN28384		584	80		2.36	<2		36	79		118					8.36	57							0.99	6
HI8	MN28367																									
HI9	MN28329		847	59		2.06	<2		30	101		138					8.63	50							0.24	<5
HI9	MN28331																									
HI9	MN28332																									
HI10	MN28368																									
HI11	MN28366																									
HI12	MN28699																									
HI12	MN28700																									
HI13	MN28701		>2000	174		2.80	5		16	61		33					5.76	443							0.06	6
HI14	MN28702		249	85		3.97	<2		28	101		46					7.08	53							0.50	17
HP1	91JF175		92	6		7.42	<2		38	403		74					>10.00	10							0.24	<5
HP1	91JF176		250	<5		0.78	<2		<1	54		9					2.42	14							0.32	11
HP2	91JF172		193	10		6.23	<2		37	696		95					6.89	<10							0.48	<5
HP3	91JF166		198	<5		5.70	<2		37	703		71					>10.00	16							0.45	<5
HP4	91JF167		42	9		5.74	<2		29	23		95					7.94	11							0.03	<5
HP5	91JF168		98	6		0.11	<2		3	75		7					3.18	<10							1.83	<5
HP5	91JF169		60	12		8.50	<2		37	120		25					6.04	<10							0.06	<5
HP6	91JF170		88	14		5.91	<2		84	380		75					8.09	<10							0.18	<5
HP7	91JF171		76	14		>10.00	<2		34	134		88					4.09	<10							0.19	<5
HP8	91JF174		27	16		>10.00	<2		43	205		190					4.29	<10							0.08	<5
HP9	91JF173		302	<5		6.88	<2		29	37		100					7.47	10							0.46	6
HP10	91JF157		23	11		>10.00	<2		60	21		937					>10.00	<10							0.06	<5
HP11	91JF155		16	18		7.10	<2		90	414		120					>10.00	<10							0.03	<5
HP11	91JF156		21	14		9.91	<2		160	79		1928					8.70	<10							<0.01	<5
HP12	91JF158		17	12		9.21	<2		263	71		1067					>10.00	<10							0.02	<5
HP12	91JF159		30	13		9.93	<2		55	216		37					7.96	<10							0.08	<5
HP13	91JF154		11	11		6.78	<2		88	670		67					8.71	<10							<0.01	<5
HP13	91JF160		20	7		>10.00	<2		52	25		848					>10.00	<10							0.04	<5
HP14	91JF152		33	12		>10.00	<2		50	152		41					5.29	<10							0.09	<5
HP14	91JF153		16	10		6.58	<2		91	302		17					7.56	<10							0.03	<5
HP15	91JF151		18	11		5.65	<2		103	524		57					>10.00	<10							0.05	<5
HP16	91JF161A		241	11		9.71	<2		40	214		19					5.64	<10							0.13	<5
HP16	91JF161B		44	11		>10.00	<2		33	175		81					3.93	<10							0.05	<5
HP16	91JF162		36	6		>10.00	<2		62	293		232					6.39	<10							0.09	<5
HP16	91JF163		175	5		7.38	<2		35	86		16					6.89	<10							0.07	<5
HP16	91JF164		13	18		>10.00	<2		72	334		144					7.43	<10							0.01	<5
HP17	91JF150		16	10		9.54	<2		72	410		43					8.70	<10							0.04	<5
HP18	91JF149		31	11		9.97	<2		68	35		362					3.66	15							0.01	<5
HP19	91JF147		35	9		8.91	<2		52	165		91					5.50	<10							0.10	<5
HP19	91JF148		30	11		>10.00	<2		43	337		28					4.60	<10							0.09	<5
HP20	91JF114		35	19		8.01	<2		33	268		109					3.27	22							0.11	<5
HP21	91JF113		48	<5		2.78	<2		82	74		36					7.35	18							0.23	<5
HP22	91JF115		28	<5		9.84	<2		29	169		14					2.56	19							0.07	<5

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Map no	Sample no	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Se ppm	Sm ppm	Sn ppm
HI5	MN28373	20		0.83	0.55%	16	1.90	18		125			55									73			50
HI6	MN28383	29		1.37	0.19%	12	1.36	16		83			44									70			79
HI7	MN28384	28		1.52	0.24%	13	1.51	16		85			53									85			83
HI8	MN28367				0.33%																				
HI9	MN28329	25		1.48	0.24%	9	2.65	13		73			25									51			54
HI9	MN28331				16.65%																				
HI9	MN28332				31.45%																				
HI10	MN28368																								
HI11	MN28366				24.83%																				
HI12	MN28699				0.22%																				
HI12	MN28700				0.17%																				
HI13	MN28701	2		0.32	19.96%	159	0.09	10		89			67									95			48
HI14	MN28702	14		2.16	0.14%	16	1.72	19		76			52									68			83
HP1	91JF175	4		4.60	1491	1	1.28	<5		93			9		2		<5					<5			<20
HP1	91JF176	4		0.49	481	3	6.12	10		7			3		3		10					<5			<20
HP2	91JF172	4		4.08	1347	<1	1.83	<5		92			11		4		<5					<5			<20
HP3	91JF166	3		3.45	1713	<1	1.65	<5		91			12		4		<5					<5			24
HP4	91JF167	3		2.23	1449	2	3.35	<5		14			9		4		8					<5			<20
HP5	91JF168	<2		0.15	16	4	3.20	<5		12			2		8		17					10			<20
HP5	91JF169	2		4.43	1060	1	0.94	6		53			14		6		12					18			<20
HP6	91JF170	3		>10.00	1357	4	0.88	7		456			<2		41		30					<5			<20
HP7	91JF171	3		5.27	735	<1	0.92	8		77			9		5		17					11			<20
HP8	91JF174	4		6.26	801	2	1.15	7		149			<2		10		8					<5			25
HP9	91JF173	4		2.56	1631	4	2.22	6		26			9		11		12					<5			<20
HP10	91JF157	<2		4.39	1451	4	0.74	<5		89			11		<1		19					8			<20
HP11	91JF155	3		>10.00	1500	5	0.44	<5		343			13		3		15					<5			<20
HP11	91JF156	<2		4.43	574	5	0.69	9		291			7		10		19					<5			25
HP12	91JF158	<2		5.05	561	1	0.56	7		254			5		19		19					5			<20
HP12	91JF159	2		8.09	1327	2	0.97	7		180			10		10		13					9			27
HP13	91JF154	2		>10.00	1329	3	0.22	<5		542			9		6		20					<5			<20
HP13	91JF160	<2		4.91	1463	1	0.76	<5		67			13		2		10					12			22
HP14	91JF152	2		7.67	904	4	0.90	9		133			10		5		9					8			<20
HP14	91JF153	3		>10.00	1154	<1	0.45	6		560			10		13		25					<5			<20
HP15	91JF151	3		>10.00	1818	9	0.44	<5		435			10		4		12					6			25
HP16	91JF161A	<2		5.66	1054	4	1.85	7		108			8		14		17					5			<20
HP16	91JF161B	3		5.37	679	40	1.23	6		102			11		3		12					<5			<20
HP16	91JF162	3		9.04	1036	11	0.88	7		169			8		7		12					<5			<20
HP16	91JF163	<2		3.18	1169	5	2.36	6		42			<2		6		10					10			<20
HP16	91JF164	3		>10.00	1175	3	0.40	6		265			13		7		11					<5			<20
HP17	91JF150	2		>10.00	1255	4	0.51	7		309			12		8		<5					9			25
HP18	91JF149	<2		2.17	340	28	1.63	8		68			7		1		11					<5			22
HP19	91JF147	<2		6.85	921	9	1.89	8		210			10		3		7					<5			<20
HP19	91JF148	2		6.53	868	6	1.50	7		203			8		3		7					<5			<20
HP20	91JF114	<2		3.71	583	7	1.18	11		184			8		7		12					14			<20
HP21	91JF113	<2		6.32	1029	6	0.94	7		201			4		19		18					12			<20
HP22	91JF115	<2		3.69	461	4	0.91	7		126			<2		7		7					5			<20

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Map no	Sample no.	Si	Ta	Tb	Te	Th	Ti	Tl	Tm	Uft	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
HI5	MN28373	187	14		45		0.20					86	<20	10		89		59
HI6	MN28383	158	<5		52		0.77					283	<20	9		95		62
HI7	MN28384	158	<5		70		0.69					278	<20	11		100		67
HI8	MN28367																	
HI9	MN28329	498	<5		41		0.67					246	<20	9		107		57
HI9	MN28331																	
HI9	MN28332																	
HI10	MN28368																	
HI11	MN28366																	
HI12	MN28699																	
HI12	MN28700																	
HI13	MN28701	173	<5		103		0.02					73	<20	5		<2		7
HI14	MN28702	279	<5		63		0.66					247	22	12		67		29
HP1	91JF175	146	<5		<25		0.93					681	<20	11		36		<5
HP1	91JF176	155	<5		<25		0.40					29	72	23		97		153
HP2	91JF172	224	84		<25		0.50					323	<20	12		41		<5
HP3	91JF166	179	<5		<25		0.88					714	28	13		67		<5
HP4	91JF167	159	14		<25		0.54					300	<20	14		151		18
HP5	91JF168	129	5		<25		0.41					301	<20	<5		59		<5
HP5	91JF169	134	50		<25		0.17					233	<20	7		100		<5
HP6	91JF170	103	76		<25		0.20					136	36	7		78		16
HP7	91JF171	350	69		<25		0.13					149	28	<5		43		15
HP8	91JF174	206	73		<25		0.16					139	21	6		80		9
HP9	91JF173	474	29		<25		0.47					304	<20	14		131		6
HP10	91JF157	231	56		<25		1.23					1154	<20	7		110		<5
HP11	91JF155	175	79		<25		0.16					171	29	<5		87		<5
HP11	91JF156	315	59		<25		0.04					68	26	<5		38		5
HP12	91JF158	272	18		<25		0.05					65	29	<5		37		<5
HP12	91JF159	285	52		<25		0.30					252	<20	5		110		<5
HP13	91JF154	85	86		<25		0.11					107	<20	<5		106		<5
HP13	91JF160	245	58		<25		1.25					1085	<20	8		126		<5
HP14	91JF152	234	61		<25		0.15					129	<20	5		90		10
HP14	91JF153	144	102		<25		0.06					69	<20	<5		103		<5
HP15	91JF151	88	100		<25		0.25					265	33	<5		106		<5
HP16	91JF161A	400	61		<25		0.16					201	<20	6		97		12
HP16	91JF161B	410	32		<25		0.19					161	30	6		75		<5
HP16	91JF162	266	74		<25		0.15					152	30	5		102		8
HP16	91JF163	301	45		<25		0.31					209	<20	10		105		14
HP16	91JF164	117	66		<25		0.19					192	<20	5		94		<5
HP17	91JF150	112	92		<25		0.17					158	<20	6		114		<5
HP18	91JF149	437	13		<25		0.02					21	53	<5		37		<5
HP19	91JF147	227	81		<25		0.07					62	28	<5		99		11
HP19	91JF148	311	63		<25		0.08					69	24	<5		83		7
HP20	91JF114	132	35		<25		0.07					79	<20	<5		28		16
HP21	91JF113	108	39		<25		0.03					34	<20	<5		56		28
HP22	91JF115	213	51		<25		0.06					75	<20	<5		17		11

APPENDIX - 1991-92 Sample Analytical Results.

Sample						Quad				Ag	Ag	Al	As	Au	
Map no.	no.	Year	Property name	Location name	Sample type	Quad name	no.	TWPRNG	Section	Meridian	ppm	g/ml	%	ppm	ppb
HP23	91JF116	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	21	Kateel River	<0.5		4.27	19	8
HP24	91JF117	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	21	Kateel River	<0.5		5.29	52	4
HP25	91JF118	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	21	Kateel River	<0.5		5.34	<5	7
HP26	91JF146	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	28	Kateel River	<0.5		0.21	34	5
HP27	91JF119	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-5	34N 2E	27	Kateel River	<0.5		1.09	18	4
HP28	91JF120	91		Siniktanneyak Mtn.	Select	Howard Pass	B-5	34N 2E	27	Kateel River	<0.5		5.95	72	9
HP29	91JF121	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	27	Kateel River	<0.5		0.49	42	5
HP30	91JF122	91		Siniktanneyak Mtn.	Highgrade	Howard Pass	B-4	34N 2E	27	Kateel River	0.9		0.71	36	5
HP30	91JF123	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	27	Kateel River	<0.5		0.92	35	8
HP31	91JF145	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	27	Kateel River	<0.5		5.44	107	15
HP32	91JF140	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 2E	25	Kateel River	<0.5		4.83	1016	12
HP33	91JF139	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 2E	26	Kateel River	<0.5		0.22	37	6
HP34	91JF137	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 2E	26	Kateel River	<0.5		1.87	53	<1
HP34	91JF138	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 2E	26	Kateel River	<0.5		0.54	26	<1
HP35	91JF136	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 2E	26	Kateel River	<0.5		0.29	12	6
HP36	91JF126	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	26	Kateel River	<0.5		7.46	80	5
HP36	91JF135	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	26	Kateel River	<0.5		3.28	55	3
HP37	91JF144	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	23	Kateel River	<0.5		5.43	39	13
HP38	91JF143	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	22	Kateel River	<0.5		1.62	82	19
HP39	91JF142	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	22	Kateel River	<0.5		1.26	25	14
HP40	91JF141	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	22	Kateel River	<0.5		0.36	33	12
HP41	91JF111	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	13	Kateel River	<0.5		3.37	40	7
HP42	91JF110	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	13	Kateel River	<0.5		0.33	45	8
HP43	91JF132	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	12	Kateel River	<0.5		0.43	30	7
HP44	91JF131	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	12	Kateel River	<0.5		1.34	44	5
HP45	91JF133	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	12	Kateel River	<0.5		8.33	28	184
HP46	91JF134	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 2E	12	Kateel River	<0.5		4.19	30	10
HP47	91JF130	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 3E	7	Kateel River	<0.5		3.14	41	7
HP48	91JF129	91		Siniktanneyak Mtn.	Select	Howard Pass	B-4	34N 3E	7	Kateel River	<0.5		4.36	37	10
HP49	91JF128	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	7	Kateel River	<0.5		3.70	39	5
HP50	91JF127	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	1.3		1.98	31	57
HP51	91JF102	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		1.83	18	3
HP52	91JF103	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		1.59	9	5
HP53	91JF101	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		2.67	43	5
HP54	91JF104	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		2.09	24	5
HP55	91JF105	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		2.76	<5	4
HP56	91JF106	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	13.4		2.41	51	77
HP57	91JF107	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	0.6		4.91	58	10
HP58	91JF108	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		4.22	56	4
HP59	91JF112	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	13	Kateel River	<0.5		3.92	<5	18
HP60	91JF109	91		Siniktanneyak Mtn.	Grab	Howard Pass	B-4	34N 3E	18	Kateel River	<0.5		4.68	38	4
HP61	91JF165	91		Siniktanneyak Mtn.	Pan conc.	Howard Pass	B-4	34N 3E	20	Kateel River	<0.5		4.80	<5	14
LF1	MN27738	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	6	Copper River					
LF2	MN27732	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF3	MN27733	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF4	MN27734	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Au g/ml	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
HP23	91JF116		31	11		>10.00	<2		26	443		116					2.31	16							0.10	<5
HP24	91JF117		29	22		>10.00	<2		27	105		35					2.36	33							0.10	<5
HP25	91JF118		31	5		>10.00	<2		35	165		180					4.03	13							0.10	<5
HP26	91JF146		15	16		0.46	<2		132	1791		93					8.41	<10							0.01	<5
HP27	91JF119		15	14		8.61	<2		55	1374		4					3.63	18							0.05	<5
HP28	91JF120		5	33		0.13	<2		134	20%		113					>10.00	287							<0.01	<5
HP29	91JF121		6	31		8.47	<2		53	1573		10					3.45	33							<0.01	<5
HP30	91JF122		9	29		0.03	<2		34	24%		5					2.06	94							<0.01	<5
HP30	91JF123		36	32		0.59	<2		106	2%		11					6.87	54							0.20	<5
HP31	91JF145		<5	<5		0.03	<2		116	28%		<1					9.19	354							<0.01	<5
HP32	91JF140		<5	862		0.03	<2		106	<2		<1					8.94	809							<0.01	<5
HP33	91JF139		18	24		0.16	<2		95	863		9					4.69	<10							0.10	<5
HP34	91JF137		12	<5		0.23	<2		140	17%		<1					>10.00	223							<0.01	<5
HP34	91JF138		18	<5		0.70	<2		60	1%		3					4.37	<10							0.08	<5
HP35	91JF136		18	8		0.63	<2		62	1%		1					2.80	<10							0.05	<5
HP36	91JF126		27	<5		0.04	<2		132	19%		436					>10.00	234							0.06	<5
HP36	91JF135		7	<5		0.30	<2		126	27%		21					>10.00	338							<0.01	<5
HP37	91JF144		<5	<5		0.01	<2		142	20%		<1					>10.00	246							<0.01	<5
HP38	91JF143		11	6		0.19	<2		125	12%		<1					9.11	162							0.02	<5
HP39	91JF142		12	13		>10.00	<2		37	2381		37					3.28	<10							<0.01	<5
HP40	91JF141		22	16		0.22	<2		105	2151		<1					6.68	<10							0.12	<5
HP41	91JF111		25	17		3.78	<2		84	370		263					9.25	20							0.10	<5
HP42	91JF110		20	23		0.43	<2		87	1140		24					5.68	26							0.08	<5
HP43	91JF132		27	14		2.03	<2		105	268		6					6.05	<10							0.13	<5
HP44	91JF131		22	23		>10.00	<2		53	1044		24					3.53	11							0.04	8
HP45	91JF133		63	11		>10.00	<2		29	277		15					1.95	10							0.29	<5
HP46	91JF134		35	10		>10.00	<2		45	200		124					6.66	<10							0.07	<5
HP47	91JF130		75	10		5.47	<2		14	85		257					3.75	28							0.04	<5
HP48	91JF129		27	17		8.54	<2		49	63		2021					3.71	22							0.07	<5
HP49	91JF128		86	21		6.42	<2		32	240		110					8.10	32							0.16	11
HP50	91JF127		276	9		0.17	<2		12	120		91					>10.00	18							1.17	13
HP51	91JF102		1182	5		0.13	<2		2	95		52					3.02	34							1.44	39
HP52	91JF103		360	6		0.39	<2		2	88		107					2.46	23							1.27	47
HP53	91JF101		194	29		8.81	<2		30	114		73					6.70	46							0.09	6
HP54	91JF104		192	<5		1.57	<2		1	74		65					3.46	32							0.91	175
HP55	91JF105		1181	<5		0.11	<2		4	137		79					4.08	11							1.66	49
HP56	91JF106		629	12		1.91	<2		10	137		76					1.62	25							1.60	7
HP57	91JF107		71	28		>10.00	<2		43	149		85					4.31	28							0.23	<5
HP58	91JF108		48	31		8.04	<2		43	48		213					>10.00	31							0.11	<5
HP59	91JF112		1485	<5		4.94	<2		30	217		154					6.88	<10							1.25	<5
HP60	91JF109		40	23		>10.00	<2		52	48		78					>10.00	25							0.14	<5
HP61	91JF165		295	<5		5.13	<2		113	5%		56					8.40	55							0.50	<5
LF1	MN27738																									
LF2	MN27732																									
LF3	MN27733																									
LF4	MN27734																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppm	P2O5 ppm	Pb ppm	Pb %	Pd ppm	Pr ppm	Pt ppm	Rb ppm	Re ppm	Rh ppm	Ru ppm	Sb ppm	Se ppm	Sm ppm	Sn ppm
HP23	91JF116	<2		5.36	522	2	0.87	8		169			3		13		13					<5			<20
HP24	91JF117	<2		4.61	485	6	1.24	11		83			7		16		10					21			<20
HP25	91JF118	<2		5.61	717	3	1.20	8		136			<2		6		14					<5			<20
HP26	91JF146	3		>10.00	1138	28	0.10	<5		1647			13		23		22					<5			27
HP27	91JF119	<2		>10.00	677	2	0.25	5		541			<2		7		11					18			<20
HP28	91JF120	2		9.60	996	14	<0.01	<5		802			3		39		66					1274			<20
HP29	91JF121	3		>10.00	760	5	0.07	6		555			6		6		15					23			26
HP30	91JF122	<2		8.33	269	7	0.09	23		1085			5		7		15					354			<20
HP30	91JF123	<2		>10.00	912	6	0.51	16		1105			9		57		172					112			22
HP31	91JF145	3		9.79	741	14	<0.01	<5		1081			<2		7		43					1580			<20
HP32	91JF140	2		8.22	761	26	<0.01	<5		1035			<2		8		51					2000			<20
HP33	91JF139	<2		>10.00	649	4	0.30	<5		2084			<2		7		22					<5			26
HP34	91JF137	2		>10.00	1089	10	0.06	<5		1318			<2		110		618					1170			<20
HP34	91JF138	3		>10.00	931	<1	0.27	<5		501			5		6		235					41			<20
HP35	91JF136	<2		>10.00	697	4	0.18	<5		723			<2		5		23					38			<20
HP36	91JF126	<2		8.71	1053	12	0.21	<5		746			6		38		19					1093			<20
HP36	91JF135	4		>10.00	1135	13	<0.01	<5		1028			4		10		12					1792			<20
HP37	91JF144	<2		>10.00	910	11	<0.01	<5		922			<2		12		63					1250			<20
HP38	91JF143	3		>10.00	914	10	0.11	<5		1284			<2		11		48					799			<20
HP39	91JF142	3		>10.00	721	2	0.16	<5		283			<2		21		50					13			<20
HP40	91JF141	2		>10.00	876	3	0.30	<5		966			<2		9		47					15			<20
HP41	91JF111	<2		>10.00	1121	6	0.54	8		490			5		9		12					16			<20
HP42	91JF110	<2		>10.00	764	4	0.25	<5		1718			6		16		17					26			29
HP43	91JF132	4		>10.00	869	9	0.35	<5		1018			<2		7		23					<5			<20
HP44	91JF131	4		>10.00	659	27	0.25	<5		409			7		4		18					8			<20
HP45	91JF133	3		6.19	419	6	1.05	7		140			<2		8		24					<5			<20
HP46	91JF134	<2		5.35	961	3	0.92	<5		114			<2		7		21					<5			<20
HP47	91JF130	<2		1.50	909	5	3.10	11		34			7		4		11					14			<20
HP48	91JF129	<2		5.13	438	6	0.77	16		124			4		21		27					15			22
HP49	91JF128	4		3.11	1210	6	2.33	30		46			7		6		12					12			<20
HP50	91JF127	5		1.06	682	17	0.19	66		14			30		4		16					16			21
HP51	91JF102	4		0.52	850	5	1.58	80		6			5		3		<5					10			21
HP52	91JF103	7		0.16	315	11	1.45	78		6			9		3		7					7			<20
HP53	91JF101	10		2.56	912	8	1.01	26		52			13		10		11					21			26
HP54	91JF104	<2		0.25	627	6	3.52	85		4			10		4		7					10			<20
HP55	91JF105	6		0.64	1087	12	1.92	84		24			42		166		56					6			<20
HP56	91JF106	<2		0.02	50	3	1.39	21		52			25		5		8					16			<20
HP57	91JF107	3		6.77	735	6	0.80	22		93			9		5		10					12			<20
HP58	91JF108	4		3.50	873	6	0.99	14		9			12		4		<5					13			21
HP59	91JF112	13		1.70	1078	3	2.29	31		143			19		280		65					<5			<20
HP60	91JF109	2		3.56	906	7	0.73	9		8			7		2		6					11			22
HP61	91JF165	7		8.29	1259	6	1.26	<5		495			18		7		7					115			32
LF1	MN27738				5.52%																				
LF2	MN27732				3.50%																				
LF3	MN27733				1.06%																				
LF4	MN27734				2.96%																				

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Tc ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Ua ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
HP23	91JF116	161	65	<25			0.04					94	<20	<5		10		13
HP24	91JF117	227	51	<25			0.03					74	<20	<5		12		15
HP25	91JF118	182	72	<25			0.07					99	<20	<5		22		15
HP26	91JF146	7	160	<25			0.01					45	<20	<5		120		<5
HP27	91JF119	9	94	<25			0.03					104	<20	<5		18		6
HP28	91JF120	2	134	<25			0.11					740	<20	<5		315		<5
HP29	91JF121	4	91	<25			0.02					80	<20	<5		22		<5
HP30	91JF122	2	62	<25			0.01					63	<20	<5		40		49
HP30	91JF123	7	124	<25			0.01					58	<20	<5		54		33
HP31	91JF145	1	146	<25			0.11					330	<20	<5		199		<5
HP32	91JF140	2	187		27		0.06					464	<20	<5		207		<5
HP33	91JF139	4	114	<25			<0.01					5	<20	<5		32		9
HP34	91JF137	5	202	<25			0.03					571	<20	<5		195		<5
HP34	91JF138	3	70	<25			<0.01					51	<20	<5		31		7
HP35	91JF136	3	55	<25			<0.01					33	<20	<5		38		9
HP36	91JF126	3	106	<25			0.15					785	<20	<5		387		<5
HP36	91JF135	2	170	<25			0.16					287	<20	<5		209		<5
HP37	91JF144	<1	164	<25			0.08					510	<20	<5		287		<5
HP38	91JF143	2	153	<25			0.04					304	<20	<5		169		<5
HP39	91JF142	9	79	<25			0.06					174	<20	<5		15		<5
HP40	91JF141	4	128	<25			<0.01					18	<20	<5		38		11
HP41	91JF111	47	99	<25			0.09					71	<20	<5		71		12
HP42	91JF110	5	140	<25			<0.01					25	<20	<5		40		10
HP43	91JF132	8	125	<25			<0.01					24	<20	<5		32		13
HP44	91JF131	20	84	<25			0.06					121	<20	<5		24		7
HP45	91JF133	336	38	<25			0.03					87	<20	<5		7		28
HP46	91JF134	186	67	<25			0.17					304	<20	<5		44		7
HP47	91JF130	478	17	<25			0.13					26	<20	<5		33		7
HP48	91JF129	207	51	<25			0.02					33	<20	<5		12		17
HP49	91JF128	139	60	<25			0.97					314	<20	16		86		81
HP50	91JF127	17	40	<25			0.34					35	<20	32		103		677
HP51	91JF102	29	<5	<25			0.17					4	<20	44		173		333
HP52	91JF103	26	7	<25			0.17					11	<20	42		567		248
HP53	91JF101	70	68	<25			0.60					137	36	10		68		68
HP54	91JF104	261	17	<25			0.21					7	<20	38		39		305
HP55	91JF105	39	<5	<25			0.18					6	<20	60		1146		359
HP56	91JF106	56	18	<25			0.99					241	<20	13		33		124
HP57	91JF107	330	59	<25			0.10					111	<20	<5		22		18
HP58	91JF108	294	66	<25			0.60					517	<20	<5		54		<5
HP59	91JF112	129	32	<25			1.06					260	<20	9		151		48
HP60	91JF109	231	53	<25			0.80					827	<20	<5		42		<5
HP61	91JF165	92	50	<25			0.50					308	109	14		155		41
LF1	MN27738																	
LF2	MN27732																	
LF3	MN27733																	
LF4	MN27734																	

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Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
LF5	MN27735	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF6	MN27736	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF7	MN27737	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF8	MN27730	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF8	MN27731	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF9	MN27726	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF9	MN27727	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River	<5			128	<5
LF9	MN27728	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River	<5			141	<5
LF9	MN27739	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF9	MN27740	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	7	Copper River					
LF10	MN27729	92	Liberty Falls	Liberty Falls	Rock	Valdez	C-2	3S 5E	8	Copper River					
LH1	KS28504	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	13	Seward	10.0			273	57
LH2	KS28503	91		Tired-Pup	Panned conc.	Lime Hills	B-3	15N 27W	13	Seward	<5			591	<5
LH3	KS28502	91		Tired-Pup	Panned conc.	Lime Hills	B-3	15N 27W	14	Seward	<5			229	31
LH4	KS28505	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	14	Seward					30
LH5	KS28511	91		Tired-Pup	Panned conc.	Lime Hills	B-3	15N 27W	14	Seward	<5			725	<5
LH6	KS28501	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	14	Seward	<5			2	14
LH7	KS28510	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	15	Seward	<5			1400	<5
LH8	KS28509	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	15	Seward	9.0			31	6
LH9	KS28508	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	15	Seward	<5			>10000	390
LH10	KS28507	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	15	Seward	<5			615	<5
LH11	KS28506	91		Tired-Pup	Rock	Lime Hills	B-3	15N 27W	15	Seward					
LH12	KS28514	91		Tired-Pup	Panned conc.	Lime Hills	B-3	15N 27W	10	Seward					
LH13	KS28513	91		Tired-Pup	Panned conc.	Lime Hills	B-3	15N 27W	10	Seward					
LH14	KS28512	91		Tired-Pup	Panned conc.	Lime Hills	B-3	15N 27W	10	Seward					
LH15	KS28518	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 27W	18	Seward	<5			302	14
LH16	KS28532	91		Tired-Pup	Rock	Lime Hills	B-4	14N 28W	13	Seward	<5			72	<5
LH17	KS28517	91		Tired-Pup	Rock	Lime Hills	B-4	14N 28W	13	Seward					
LH18	KS28516	91		Tired-Pup	Rock	Lime Hills	B-4	14N 28W	13	Seward	<5			7130	<18
LH19	KS28515	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	13	Seward	<5			671	<5
LH20	KS28519	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	13	Seward					
LH21	KS28520	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	13	Seward					
LH22	KS28530	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	14	Seward	<5			70	<5
LH23	KS28531	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	14	Seward					
LH24	KS28529	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	14	Seward	<5			136	<5
LH25	KS28527	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	14	Seward	<5			382	15
LH25	KS28528	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	14	Seward					
LH26	KS28526	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	15	Seward	<5			113	9
LH27	KS28525	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	16	Seward	<5			241	15
LH28	KS28524	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	17	Seward	<5			164	<5
LH29	KS28523	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	21	Seward	<5			89	17
LH30	KS28522	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	21	Seward	<5			75	<5
LH31	KS28521	91		Tired-Pup	Panned conc.	Lime Hills	B-4	14N 28W	21	Seward	<5			105	<5
LR1	SP28629	91	Dolcoath Dike	Lost River	Rock	Teller	B-5	1N 41W	14	Kateel River	18.86				
LR2	28631Bould	91	Ida Bell	Lost River	Rock	Teller	B-5	1N 41W	22	Kateel River					
LR2	28632	91	Ida Bell	Lost River	Rock	Teller	B-5	1N 41W	22	Kateel River					

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Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
LF5	MN27735																									
LF6	MN27736																									
LF7	MN27737																									
LF8	MN27730																									
LF8	MN27731																									
LF9	MN27726																									
LF9	MN27727		2600		3		<10	110	100	<50	17	50				11	>10			6			<100			150
LF9	MN27728		2700		2		<10	56	62	<50	18	54				7	>10			<2			<100			110
LF9	MN27739		200																							
LF9	MN27740		80																							
LF10	MN27729																									
LH1	KS28504		<100	14	<1		210	29	<10	84	4	334				<2	10.00			<2			<100			
LH2	KS28503		<220	<1	<1		<10	210	<10	260	4					<2	2.20			2			<100			84
LH3	KS28502		<340	<1	1		<10	190	<10	240	6					<2	2.40			13			<100			67
LH4	KS28505															<2							<100			
LH5	KS28511		<350	6	2		13	280	21	370	6					<2	2.00			39			<100			120
LH6	KS28501		<100		<1		190	53	<10	76	2					<2	2.40			3			<100			
LH7	KS28510		500	8	5		<10	31	30	270	7					<2	8.50			<2			<100			
LH8	KS28509		260		<1		380	30	<10	280	1	2620				<2	3.20			2			<100			
LH9	KS28508		<370	549	<43		<27	<41	29	490	<1					<2	2.00			<5			<100			
LH10	KS28507		<100		2		<10	30	<10	240	4					<2	2.80			<2			<100			
LH11	KS28506																									
LH12	KS28514						2900							190	126	1			176	370	43					1570
LH13	KS28513						4360							220	150	2			250	566	50					2480
LH14	KS28512						1640							144	120	1			130	320	41					924
LH15	KS28518		<450	5	2		<10	520	2	460	5					<2	4.70			82			<100			210
LH16	KS28532		<100		<1		30	38	<10	110	10	436				<2	3.00			3			<100			
LH17	KS28517																									
LH18	KS28516		<270	12	<27		110	51	<10	<110	12					<2	2.80			<2			<100			
LH19	KS28515		<2000	<1	2		<10	240	21	580	5					<2	5.20			31			<100			110
LH20	KS28519						560							61	35	1			60	130	14					314
LH21	KS28520						1650							93	50	1			110	260	20					700
LH22	KS28530		690	<1	<1		<10	310	<10	350	6					<2	3.50			42			<100			110
LH23	KS28531						1290							72	43	1			95	200	16					556
LH24	KS28529		170	<1	1		<10	210	<10	450	8					<2	3.20			2			<100			78
LH25	KS28527		<550	<1	1		<10	200	<10	360	8					<2	2.30			21			<100			80
LH25	KS28528						1250							74	41	1			89	216	15					520
LH26	KS28526		<880	3	<1		<10	680	<10	510	6					<2	3.00			10			<100			290
LH27	KS28525		<350	<1	<1		<10	200	<10	330	7					<2	2.80			20			<100			71
LH28	KS28524		<530	<1	<1		<10	390	<10	440	7					<2	3.80			59			<100			160
LH29	KS28523		100	<1	<1		<10	170	<10	370	9					<2	3.00			14			<100			59
LH30	KS28522		330	<1	3		<10	250	1	400	7					<2	4.50			29			<100			93
LH31	KS28521		<100	<1	<1		<10	130	<10	360	10					<2	2.80			13			<100			56
LR1	SP28629	<0.069		1195																			120			
LR2	28631Bould																						230			
LR2	28632																						160			

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Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppm	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
LF5	MN27735				2.57%																					
LF6	MN27736				1.97%																					
LF7	MN27737				2.43%																					
LF8	MN27730				4.78%																					
LF8	MN27731				2.44%																					
LF9	MN27726				6.67%													150								
LF9	MN27727		4		4.78%	<2	2.20			400								270				3	26	<10	30	<200
LF9	MN27728		2		5.02%	<2	0.88			220								24				4	20	<10	26	<200
LF9	MN27739							<5					0					13								
LF9	MN27740							<5					0					<1								
LF10	MN27729				1.35%																					
LH1	KS28504	<0.5				<2	6.51			<20			651									1	5	<10	4	4300
LH2	KS28503		3			<2	1.90			<20								220				<0.2	8	<10		480
LH3	KS28502	<0.5				<2	1.80			<20								250				0	6	<10		<200
LH4	KS28505														5		7	<10								
LH5	KS28511	<0.5				<2	1.90			56								200				0	9	<10	21	<200
LH6	KS28501		1			4	7.48			<20												1	5	24	7	<200
LH7	KS28510	<0.5				8	0.85			120								<43				2	18	<10	7	<200
LH8	KS28509	<0.5				<2	0.12			<20								140				<0.2	4	<10	6	<200
LH9	KS28508		1			20	0.31			<79												3	<5	<26	2	<1000
LH10	KS28507	<0.5				<2	1.40			<20								96				<0.2	4	<10	5	<200
LH11	KS28506																									
LH12	KS28514		20					118	>1000									280							260	3800
LH13	KS28513		20						>1000									420							400	4100
LH14	KS28512		15						900									180							200	1000
LH15	KS28518		8			<5	1.80			<20								190				1	19	<10	47	2100
LH16	KS28532	<0.5				3	7.68			<20								150				0	4	<10	2	<200
LH17	KS28517																									
LH18	KS28516		1			7	7.81			110								250				5	3	<10	4	<740
LH19	KS28515		28			<15	1.90			<20								240				1	15	<10	<24.0	3800
LH20	KS28519		8						275							56									69	8900
LH21	KS28520		10						670							137									150	8400
LH22	KS28530	<0.5				<2	2.00			<20								220				0	12	<10	23	700
LH23	KS28531		8					163	490							110									120	9700
LH24	KS28529		1			<2	2.00			22								240				0	11	<10	15	2000
LH25	KS28527	<0.5				<5	2.10			<20								270				0	9	<10	12	890
LH25	KS28528		8						520							110									108	7500
LH26	KS28526		8			<8	1.80			<20								200				0	15	<10	49	1800
LH27	KS28525		1			<2	1.90			<20								260				0	10	<10	13	940
LH28	KS28524		5			<6	1.80			<20								210				0	14	<10	29	2000
LH29	KS28523		2			<2	2.00			27								240				0	11	<10	14	430
LH30	KS28522		5			<2	1.80			<20								240				0	12	<10	23	570
LH31	KS28521	<0.5				<2	2.10			<20								300				0	10	<10	12	<200
LR1	SP28629																									6300
LR2	28631Bould					10																				115900
LR2	28632					488																				32300

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Map no.	Sample no.	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	Ua	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
LF5	MN27735																	
LF6	MN27736																	
LF7	MN27737																	
LF8	MN27730																	
LF8	MN27731																	
LF9	MN27726																	
LF9	MN27727		<1	5	<20	<20				1			4		25	680		<500
LF9	MN27728		<1	5	<20	<20				1			<2		17	430		<500
LF9	MN27739	111												34				90
LF9	MN27740	206												31				71
LF10	MN27729																	
LH1	KS28504		2	<1	<20	11					13		16		<5	>20000		<500
LH2	KS28503		1		<20	46					69		30				<200	
LH3	KS28502		1		<20	43					108		14				<200	
LH4	KS28505																2.17	
LH5	KS28511		3	4	<43	51					111		60		17	<200		
LH6	KS28501		3	2	<20	15					10		3		<5	11000		<500
LH7	KS28510		4	1	<20	7					13		4		6	450		<500
LH8	KS28509		1	<1	<20	13					11		14		<5	8400	0.77	<500
LH9	KS28508		<1	<1	<130	9					3		<2		14	1500		<1000
LH10	KS28507		4	<1	<20	12					14		5		<5	210		<500
LH11	KS28506																	
LH12	KS28514			30		730			15		2700			850	130			12230
LH13	KS28513			39		1200			16		4000			1024	134			17171
LH14	KS28512			26		480			18		760			895	110			11180
LH15	KS28518		4	7	<20	92					142		150		7	<200		
LH16	KS28532		2	<1	<20	14					55		5		6	780		<500
LH17	KS28517																	
LH18	KS28516		<1	<1	<89	15					34		3		16	3400		<500
LH19	KS28515		4	6	<79	92					642		43		40	<500		
LH20	KS28519			10		220			6		1400			366	48			5591
LH21	KS28520			17		615			8		4800			483	66			10274
LH22	KS28530		2	3	<20	47					57		24		3	<200		
LH23	KS28531			15		530			8		4200			436	53			8059
LH24	KS28529		2	4	<20	36					80		39		4	<200		
LH25	KS28527		2	4	<20	49					173		19		4	<200		
LH25	KS28528			13		470			8		3500			433				8973
LH26	KS28526		4	9	<43	129					277		85		9	<200		
LH27	KS28525		3	3	<20	39					111		44		3	<200		
LH28	KS28524		3	6	<40	74					167		170		6	<200		
LH29	KS28523		3	3	<20	32					45		4		3	<200		
LH30	KS28522		3	3	<20	47					16		76		3	<200		
LH31	KS28521		3	3	<20	32					59		15		3	<200		
LR1	SP28629																	
LR2	28631Bould																	2.92
LR2	28632																	0.74

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Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
LR2	SP28609	91	Ida Bell	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR2	SP28630	91	Ida Bell	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					2
LR2	SP28631	91	Ida Bell	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28142	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28143	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28144	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28145	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28146	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28147	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28148	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28149	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28150	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28151	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28155	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28156	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28157	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28158	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28159	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28160	92	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28597	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28599	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28600	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River	<5			1470	
LR3	SP28601	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28602	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28603	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28604	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28606	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28607	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28608	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28610	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR3	SP28611	91	Lost River Mine	Lost River	Rock	Teller	B-5	1N	41W	22	Kateel River					
LR4	SP28616	91	Tin Creek	Lost River	Rock	Teller	B-5	1N	41W	25	Kateel River					
LR4	SP28617	91	Tin Creek	Lost River	Rock	Teller	B-5	1N	41W	25	Kateel River					
LR5	SP28614	91	Tin Creek	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR6	SP27741	92	Yankee Girl	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR6	SP27742	92	Yankee Girl	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR6	SP27743	92	Yankee Girl	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR6	SP27744	92	Cowboy Adit	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR6	SP27745	92	Cowboy Adit	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR6	SP27746	92	Yankee Girl	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR7	SP27279	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	1.1			1504	
LR7	SP27280	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	4.7			>2000	
LR7	SP27281	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	10.4			>2000	
LR7	SP27282	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	5.5			1520	
LR7	SP27283	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	3.4			1085	
LR7	SP27284	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	3.1			1219	

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
LR2	SP28609																									
LR2	SP28630																	87		<10				120		
LR2	SP28631																							120		
LR3	SP28142																							59		
LR3	SP28143																							38		
LR3	SP28144																							46		
LR3	SP28145																							7		
LR3	SP28146																							15		
LR3	SP28147																							9		
LR3	SP28148																							10		
LR3	SP28149																							14		
LR3	SP28150																							112		
LR3	SP28151																							211		
LR3	SP28155																							38		
LR3	SP28156																							99		
LR3	SP28157																							64		
LR3	SP28158																							157		
LR3	SP28159																							434		
LR3	SP28160																							558		
LR3	SP28597											330												<50		
LR3	SP28599																							<50		
LR3	SP28600		<230	772	11		<21	<25	<10	<120	127						3.40				17		<50	<100		8
LR3	SP28601																							<50		
LR3	SP28602																							<50		
LR3	SP28603			264									0.48											60		
LR3	SP28604																							<50		
LR3	SP28606																							620		
LR3	SP28607											1161												140		
LR3	SP28608											305												<50		
LR3	SP28610												1.56											<50		
LR3	SP28611																	44		<10			280			
LR4	SP28616											344												60		
LR4	SP28617											180												<50		
LR5	SP28614																							<50		
LR6	SP27741																							22		
LR6	SP27742																							34		
LR6	SP27743																							25		
LR6	SP27744																							2		
LR6	SP27745																							<2		
LR6	SP27746																							6		
LR7	SP27279		347	50								54					4.02							<1		
LR7	SP27280		338	73								113					5.20							3		
LR7	SP27281		335	86								82					5.39							7		
LR7	SP27282		320	75								52					4.61							<1		
LR7	SP27283		290	71								46					3.94							<1		
LR7	SP27284		299	77								45					4.30							<1		

APPENDIX - 1991-92 Sample Analytical Results.

	Sample	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	Os	P2O5	Pb	Pb	Pd	Pr	Pt	Rb	Re	Rh	Ru	Sb	Sc	Se	Sm	Sn
Map no.	no.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppb	ppm	ppm	%	ppb	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm
LR2	SP28609							1057																		148000
LR2	SP28630							260							<1		<5									9500
LR2	SP28631																									110900
LR3	SP28142																									
LR3	SP28143																									
LR3	SP28144																									
LR3	SP28145																									
LR3	SP28146																									
LR3	SP28147																									
LR3	SP28148																									
LR3	SP28149																									
LR3	SP28150																									
LR3	SP28151																									
LR3	SP28155																									
LR3	SP28156																									
LR3	SP28157																									
LR3	SP28158																									
LR3	SP28159																									
LR3	SP28160																									
LR3	SP28597							84					18													650
LR3	SP28599							283																		7700
LR3	SP28600		3			60	0.11	245		<20								464				41	4	<10	4	7500
LR3	SP28601																									65900
LR3	SP28602							612					0.03													70000
LR3	SP28603							115																		3700
LR3	SP28604							1164																		183600
LR3	SP28606							535																		26800
LR3	SP28607							569					54													25600
LR3	SP28608												8352													3300
LR3	SP28610							30					15.80													800
LR3	SP28611																									
LR4	SP28616							188																		3500
LR4	SP28617																									330
LR5	SP28614							35																		1100
LR6	SP27741																									
LR6	SP27742																									
LR6	SP27743																									
LR6	SP27744																									
LR6	SP27745																									
LR6	SP27746																									
LR7	SP27279					8							493									48				50
LR7	SP27280					9							1513									126				75
LR7	SP27281					7							3305									340				86
LR7	SP27282					9							1796									209				75
LR7	SP27283					11							1211									108				71
LR7	SP27284					11							1132									85				77

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Tl ppm	Tm ppm	Uf ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
LR2	SP28609		8															
LR2	SP28630		<1										200				1.99	44
LR2	SP28631												1900				4.68	
LR3	SP28142																	
LR3	SP28143																	
LR3	SP28144																	
LR3	SP28145																	
LR3	SP28146																	
LR3	SP28147																	
LR3	SP28148																	
LR3	SP28149																	
LR3	SP28150																	
LR3	SP28151																	
LR3	SP28155																	
LR3	SP28156																	
LR3	SP28157																	
LR3	SP28158																	
LR3	SP28159																	
LR3	SP28160																	
LR3	SP28597												110			2113		19
LR3	SP28599		31										36500					<1
LR3	SP28600		5	<1	<48	12					4		4600		<5	1200		2200
LR3	SP28601												3900					
LR3	SP28602		15										2800					<1
LR3	SP28603		<1															9
LR3	SP28604		37															
LR3	SP28606		11															<1
LR3	SP28607		21										2300				1.10	8
LR3	SP28608												60				0.62	
LR3	SP28610		34														0.66	118
LR3	SP28611												1900					
LR4	SP28616		11														0.93	126
LR4	SP28617																1.47	
LR5	SP28614		<1															<1
LR6	SP27741																	
LR6	SP27742																	
LR6	SP27743																	
LR6	SP27744																	
LR6	SP27745																	
LR6	SP27746																	
LR7	SP27279																955	
LR7	SP27280																1855	
LR7	SP27281																1958	
LR7	SP27282																1554	
LR7	SP27283																3632	
LR7	SP27284																2847	

APPENDIX - 1991-92 Sample Analytical Results

Map no	Sample no	Year	Property name	Location name	Sample type	Quad name	Quad no	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
LR7	SP27720	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	1.1			304	
LR7	SP27721	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	<0.5			621	
LR7	SP27722	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	<0.5			368	
LR7	SP27723	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	<0.5			349	
LR7	SP27724	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	<0.5			410	
LR7	SP27725	92	Muskox Prospect	Lost River	Soil	Teller	B-5	1N	41W	26	Kateel River	<0.5			311	
LR7	SP27747	92	Muskox Prospect	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR7	SP27748	92	Muskox Prospect	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR7	SP27749	92	Muskox Prospect	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR7	SP27750	92	Muskox Prospect	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River					
LR7	SP28613	91	Muskox Prospect	Lost River	Rock	Teller	B-5	1N	41W	26	Kateel River	138.87				
LR8	SP28612	91	Tin Creek	Lost River	Rock	Teller	B-5	1N	41W	27	Kateel River					
LR9	SP28618	91	Winkley Prospect	Lost River	Rock	Teller	B-5	1N	41W	34	Kateel River					10
LR9	SP28619	91	Winkley Prospect	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					<1
LR10	SP28620	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					
LR10	SP28621	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					4
LR10	SP28622	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					
LR10	SP28623	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					
LR10	SP28624	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					
LR10	SP28625	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					125
LR11	SP28633	91	Bessie Maple	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					3
LR12	SP28626	91	WGM #7 Prospect	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					6
LR12	SP28627	91	WGM #7 Prospect	Lost River	Rock	Teller	B-5	1N	41W	33	Kateel River					
LR13	SP28628	91	Alaska Chief	Lost River	Rock	Teller	B-5	1S	42W	2	Kateel River	788.67				
M1	92JF455	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	9W	12	Kateel River	<0.5		6.26	779	28
M2	92JF452	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	12S	37W	30	Umiat	<0.5		0.76	23	3
M3	92JF454	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	12	Kateel River	<0.5		7.75	13	10
M4	92JF453	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	12	Kateel River	<0.5		1.80	11	9
M5	92JF613	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	12S	37W	28	Umiat	<0.5		6.34	<5	6
M6	92JF614	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	12S	37W	28	Umiat	<0.5		4.65	<5	4
M7	92JF615	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	8	Kateel River	<0.5		5.18	46	20
M8	92JF616	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	8	Kateel River	<0.5		4.85	<5	6
M9	92JF617	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	8	Kateel River	<0.5		5.62	29	6
M10	92JF618	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	9	Kateel River	<0.5		6.07	38	2
M11	92JF619	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	9	Kateel River	<0.5		6.30	43	2
M12	92JF491	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		3.03	12	5
M13	92JF490	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		4.54	<5	6
M14	92JF489	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		3.10	20	6
M15	92JF487	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		7.17	9	3
M15	92JF488	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		5.68	46	9
M16	92JF486	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		4.24	25	9
M17	92JF485	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		4.55	21	3
M18	92JF484	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	20	Kateel River	<0.5		7.86	<5	1
M19	92JF483	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	7W	28	Kateel River	<0.5		6.17	<5	9
M20	92JF413	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	2	Kateel River	<0.5		3.82	<5	4
M21	92JF414	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	2	Kateel River	<0.5		6.00	29	6

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
LR7	SP27720		286	45								39					3.00						<1			
LR7	SP27721		388	43								45					4.09						<1			
LR7	SP27722		354	39								36					3.59						8			
LR7	SP27723		341	49								40					3.53						4			
LR7	SP27724		412	40								35					3.78						<1			
LR7	SP27725		358	39								31					3.65						<1			
LR7	SP27747																						5			
LR7	SP27748																						3			
LR7	SP27749																						309			
LR7	SP27750																						<2			
LR7	SP28613																						750			
LR8	SP28612											345											<50			
LR9	SP28618												6.82										250			
LR9	SP28619												7.88					29		<10			70			
LR10	SP28620												2.33										<50			
LR10	SP28621												4.58					22		<10			80			
LR10	SP28622												0.14										<50			
LR10	SP28623												1.24										<50			
LR10	SP28624												0.13										<50			
LR10	SP28625												7.20					24		<10			150			
LR11	SP28633												1.83					18		<10			120			
LR12	SP28626												0.19					51		<10			<50			
LR12	SP28627												0.16										<50			
LR13	SP28628																						<50			
M1	92JF455		8	981		0.31	<2		209	<2		<1					>10.00	839							0.06	<5
M2	92JF452		26	46		0.21	<2		109	15054		9					4.98	38							0.23	<5
M3	92JF454		70	36		>10.00	<2		44	163		259					6.45	19							0.33	<5
M4	92JF453		17	55		>10.00	<2		87	2252		163					8.09	16							0.13	<5
M5	92JF613		96	57		>10.00	<2		43	165		26					7.25	13							0.26	<5
M6	92JF614		239	37		>10.00	<2		35	61		123					7.75	17							0.28	8
M7	92JF615		142	59		9.16	<2		72	131		1776					>10.00	20							0.33	10
M8	92JF616		177	26		8.19	<2		38	30		298					8.48	19							0.22	7
M9	92JF617		138	33		>10.00	<2		41	56		191					8.28	18							0.30	<5
M10	92JF618		57	55		>10.00	<2		60	20		222					>10.00	17							0.25	<5
M11	92JF619		34	44		>10.00	<2		50	27		62					>10.00	17							0.23	<5
M12	92JF491		71	31		0.06	<2		17	182		29					3.15	11							2.00	<5
M13	92JF490		153	58		2.96	<2		87	160		809					7.42	13							0.37	<5
M14	92JF489		34	36		0.29	<2		37	179		87					7.41	<10							0.20	<5
M15	92JF487		304	28		6.59	<2		39	115		678					8.05	13							0.48	<5
M15	92JF488		30	48		7.09	<2		75	354		5126					>10.00	20							0.20	<5
M16	92JF486		42	34		8.01	<2		16	159		3141					>10.00	13							0.14	<5
M17	92JF485		514	45		6.00	<2		46	77		68					>10.00	19							0.62	<5
M18	92JF484		73	54		5.22	<2		35	56		84					9.75	19							0.27	<5
M19	92JF483		125	26		0.47	<2		5	165		17					1.56	<10							0.35	13
M20	92JF413		130	26		4.19	<2		29	49		55					7.06	25							0.23	<5
M21	92JF414		160	25		8.66	<2		51	56		341					>10.00	31							0.49	<5

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
LR7	SP27720					4							400									39				45
LR7	SP27721					7							260									32				43
LR7	SP27722					5							325									18				39
LR7	SP27723					7							417									35				49
LR7	SP27724					7							246									14				40
LR7	SP27725					5							210									24				39
LR7	SP27747																									
LR7	SP27748																									
LR7	SP27749																									
LR7	SP27750																									
LR7	SP28613													4.13												1300
LR8	SP28612					6							2936													160
LR9	SP28618														<1		6									300
LR9	SP28619														<1		<5									67300
LR10	SP28620																									20000
LR10	SP28621							520						0.32	<1		<5									40600
LR10	SP28622													0.16												1400
LR10	SP28623													7.72												5000
LR10	SP28624													8.42												680
LR10	SP28625							536						0.16	<1		<5									51800
LR11	SP28633							119						7.00	<1		<5									20900
LR12	SP28626							49						4.18	<1		<5									2500
LR12	SP28627													3.61												2400
LR13	SP28628													39.50												2400
M1	92JF455	<2		>10.00	1373	18	0.08	<5		746			<2		30		322					2000				23
M2	92JF452	2		>10.00	701	4	0.49	<5		2441			<2		<1		9					10				27
M3	92JF454	12		5.13	1057	3	1.49	<5		95			<2		23		<5					<5				28
M4	92JF453	3		>10.00	949	3	0.45	<5		520			<2		5		7					<5				24
M5	92JF613	3		5.26	1361	6	1.55	<5		61			<2		11		16					7				<20
M6	92JF614	3		3.06	1480	7	2.38	<5		23			<2		5		15					15				<20
M7	92JF615	2		4.30	1699	6	1.91	9		58			<2		22		20					<5				54
M8	92JF616	<2		2.42	1426	4	2.58	<5		15			<2		5		19					<5				23
M9	92JF617	3		3.33	1310	7	1.66	<5		36			<2		17		19					8				27
M10	92JF618	<2		3.35	1294	3	1.24	<5		13			<2		2		<5					<5				21
M11	92JF619	<2		3.22	1153	3	0.90	<5		6			<2		<1		<5					36				41
M12	92JF491	2		0.10	30	2	0.48	16		21			<2		15		20					6				<20
M13	92JF490	4		2.35	700	3	2.83	<5		78			<2		13		15					<5				20
M14	92JF489	5		2.21	479	13	4.32	<5		73			<2		13		25					11				21
M15	92JF487	4		3.93	1513	4	2.75	<5		33			<2		11		17					<5				<20
M15	92JF488	<2		3.94	2120	6	0.42	7		190			<2		10		27					11				41
M16	92JF486	<2		0.09	1307	11	0.30	<5		6			<2		9		12					11				<20
M17	92JF485	3		3.40	1986	1	2.51	<5		18			<2		1		10					7				33
M18	92JF484	2		2.96	1517	2	3.40	<5		12			<2		6		10					<5				29
M19	92JF483	<2		0.65	143	3	4.98	7		<1			<2		9		25					10				<20
M20	92JF413	3		1.78	1251	2	2.76	<5		9			3		8		11					<5				22
M21	92JF414	11		3.88	1635	5	1.52	<5		45			7		<1		7					<5				28

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Tl ppm	Tm ppm	Ua ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
LR7	SP27720															871		
LR7	SP27721															885		
LR7	SP27722															808		
LR7	SP27723															2127		
LR7	SP27724															924		
LR7	SP27725															809		
LR7	SP27747																	
LR7	SP27748																	
LR7	SP27749																	
LR7	SP27750																	
LR7	SP28613																4.78	
LR8	SP28612												24				0.67	
LR9	SP28618												160				>10	
LR9	SP28619																	
LR10	SP28620																	
LR10	SP28621		<1														0.71	
LR10	SP28622																0.26	
LR10	SP28623																2.22	
LR10	SP28624																2.82	
LR10	SP28625		<3														0.82	
LR11	SP28633		<3														2.54	73
LR12	SP28626		<1										55				7.89	73
LR12	SP28627												27				6.10	
LR13	SP28628																	
M1	92JF455	4	48		<25		0.09					1183	<20	<5		462		<5
M2	92JF452	16	32		<25		0.01					41	<20	<5		37		8
M3	92JF454	562	<5		<25		0.38					309	<20	<5		26		8
M4	92JF453	18	112		<25		0.12					154	<20	<5		51		<5
M5	92JF613	400	38		<25		0.34					265	<20	<5		52		5
M6	92JF614	528	<5		<25		0.48					333	<20	<5		72		<5
M7	92JF615	327	<5		<25		1.24					570	<20	30		99		<5
M8	92JF616	613	<5		<25		0.47					299	<20	7		62		<5
M9	92JF617	420	<5		<25		0.52					385	<20	<5		51		<5
M10	92JF618	498	6		<25		0.78					729	<20	<5		57		<5
M11	92JF619	447	39		<25		0.69					799	<20	<5		32		<5
M12	92JF491	86	<5		<25		0.54					349	<20	<5		<2		19
M13	92JF490	384	<5		<25		0.39					290	<20	<5		5		13
M14	92JF489	200	<5		<25		0.34					195	<20	<5		12		15
M15	92JF487	332	<5		<25		0.50					362	<20	9		67		17
M15	92JF488	411	<5		<25		0.42					314	<20	<5		62		14
M16	92JF486	634	<5		<25		0.21					314	<20	<5		<2		21
M17	92JF485	227	20		<25		1.00					467	<20	16		116		37
M18	92JF484	259	<5		<25		0.92					403	<20	26		94		60
M19	92JF483	122	<5		<25		0.36					36	<20	23		3		57
M20	92JF413	245	<5		<25		0.51					247	<20	6		59		13
M21	92JF414	510	22		<25		0.73					627	<20	<5		89		<5

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	no	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
M22	92JF415	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W	2	Kateel River	<0.5		4.89	7	1
M23	92JF416	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W	2	Kateel River	<0.5		6.40	18	<1
M24	92JF417	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W	2	Kateel River	0.7		1.33	<5	<1
M25	92JF418	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W	2	Kateel River	<0.5		4.48	21	1
M26	92JF419	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W	2	Kateel River	<0.5		6.59	34	12
M27	92JF420	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		4.58	51	<1
M28	92JF421	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		2.89	29	<1
M29	92JF422	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		2.53	36	4
M30	92JF423	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		4.70	18	5
M31	92JF425	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		2.15	16	25
M32	92JF424	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		4.28	21	1
M33	92JF438	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	34	Kateel River	<0.5		8.27	28	15
M34	92JF437	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		1.90	23	6
M35	92JF436	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		5.39	25	2
M36	92JF435	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	35	Kateel River	<0.5		6.33	43	4
M37	92JF434	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		4.18	35	15
M38	92JF433	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		3.66	26	5
M39	92JF430	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		5.30	21	5
M40	92JF429	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		5.82	46	39
M41	92JF431	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		7.50	44	6
M41	92JF432	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		4.61	27	29
M42	92JF428	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		5.95	45	39
M43	92JF427	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		7.00	43	4
M44	92JF426	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	26	Kateel River	<0.5		6.77	25	4
M45	92JF472	92		Misheguk Mtn.	Highgrade	Misheguk Mtn. B-3	34N	8W	27	Kateel River	<0.5		5.84	<5	10
M45	92JF473	92		Misheguk Mtn.	Highgrade	Misheguk Mtn. B-3	34N	8W	27	Kateel River	<0.5		8.95	38	2
M46	92JF412	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	21	Kateel River	<0.5		5.40	14	3
M47	92JF411	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	20	Kateel River	<0.5		5.82	13	2
M48	92JF410	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	20	Kateel River	<0.5		6.52	31	9
M49	92JF409	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	20	Kateel River	<0.5		3.85	25	8
M50	92JF408	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	20	Kateel River	<0.5		5.49	45	9
M51	92JF407	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	20	Kateel River	<0.5		8.25	19	4
M52	92JF406	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	20	Kateel River	<0.5		6.82	16	12
M53	92JF405	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	19	Kateel River	<0.5		5.58	23	60
M54	92JF404	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	19	Kateel River	<0.5		6.11	18	5
M55	92JF403	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	19	Kateel River	<0.5		4.83	<5	3
M56	92JF402	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	19	Kateel River	<0.5		3.89	22	5
M57	92JF401	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	8W	19	Kateel River	<0.5		5.10	9	4
M58	92JF460	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	9W	28	Kateel River	<0.5		3.12	<5	7
M59	92JF461	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	9W	28	Kateel River	<0.5		5.42	666	2
M60	92JF459	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	9W	28	Kateel River	<0.5		1.16	22	7
M61	92JF458	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	9W	33	Kateel River	<0.5		5.39	<5	10
M62	92JF457	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	34N	9W	33	Kateel River	<0.5		1.29	<5	3
M63	92JF456	92		Misheguk Mtn.	Highgrade	Misheguk Mtn. B-3	34N	9W	33	Kateel River	<0.5		6.07	692	15
M64	92JF624	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W	9	Kateel River	<0.5		3.56	11	2
M65	92JF623	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W	3	Kateel River	<0.5		3.64	<5	3

APPENDIX - 1991-92 Sample Analytical Results

Map no	Sample no	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppm	K %	La ppm
M22	92JF415		44	16		>10.00	<2		64	40		656					>10.00	28							0.21	<5
M23	92JF416		41	26		>10.00	<2		56	38		642					>10.00	27							0.24	<5
M24	92JF417		<5	7		1.55	<2		11	342		4874					1.85	<10							0.02	<5
M25	92JF418		51	26		9.21	<2		43	67		231					8.87	26							0.13	<5
M26	92JF419		42	27		>10.00	<2		55	92		466					6.76	25							0.22	<5
M27	92JF420		45	35		>10.00	<2		67	28		517					>10.00	31							0.26	<5
M28	92JF421		39	31		5.87	<2		98	708		35					8.55	17							0.22	<5
M29	92JF422		26	31		>10.00	<2		78	1043		120					7.44	31							0.14	<5
M30	92JF423		65	39		8.23	<2		49	54		130					>10.00	35							0.20	<5
M31	92JF425		69	5		9.52	<2		211	58		6403					7.36	20							0.05	<5
M32	92JF424		28	25		>10.00	<2		74	486		40					7.25	23							0.17	<5
M33	92JF438		48	17		>10.00	<2		54	77		779					>10.00	36							0.28	<5
M34	92JF437		19	30		>10.00	<2		61	1127		28					6.49	22							0.14	<5
M35	92JF436		42	21		>10.00	<2		49	62		290					>10.00	26							0.18	<5
M36	92JF435		58	37		>10.00	<2		60	37		526					>10.00	31							0.23	<5
M37	92JF434		45	23		>10.00	<2		41	63		1176					7.33	25							0.12	<5
M38	92JF433		178	17		4.45	<2		26	67		79					6.97	26							0.14	6
M39	92JF430		71	41		9.62	<2		52	30		410					>10.00	28							0.29	<5
M40	92JF429		44	22		9.83	<2		47	153		2736					4.25	23							0.18	<5
M41	92JF431		88	35		9.98	<2		50	138		113					4.31	26							0.31	<5
M41	92JF432		50	13		9.86	<2		52	82		538					9.93	24							0.19	8
M42	92JF428		54	33		>10.00	<2		49	131		597					9.06	25							0.22	<5
M43	92JF427		83	23		7.59	<2		41	319		138					5.58	25							0.26	<5
M44	92JF426		62	25		>10.00	<2		47	64		233					8.63	24							0.22	<5
M45	92JF472		128	43		9.41	<2		46	58		123					7.99	18							0.24	<5
M45	92JF473		144	44		4.66	<2		37	180		22					9.85	15							0.35	10
M46	92JF412		75	19		>10.00	<2		51	29		730					>10.00	32							0.29	<5
M47	92JF411		88	23		>10.00	<2		41	73		124					8.46	30							0.26	<5
M48	92JF410		63	35		9.53	<2		56	126		326					>10.00	31							0.26	<5
M49	92JF409		168	20		3.87	<2		27	39		45					7.56	28							0.28	<5
M50	92JF408		57	25		>10.00	<2		63	32		624					>10.00	29							0.24	<5
M51	92JF407		59	25		>10.00	<2		50	151		187					6.79	22							0.33	<5
M52	92JF406		67	30		>10.00	<2		43	144		172					7.43	28							0.25	<5
M53	92JF405		41	32		>10.00	<2		49	37		455					>10.00	35							0.22	<5
M54	92JF404		46	23		>10.00	<2		40	58		735					7.76	31							0.19	<5
M55	92JF403		35	23		9.79	<2		56	14		458					>10.00	30							0.20	<5
M56	92JF402		38	26		8.95	<2		59	19		426					>10.00	33							0.18	<5
M57	92JF401		52	22		9.90	<2		45	34		272					>10.00	29							0.21	<5
M58	92JF460		12	63		0.10	<2		159	20000		<1					7.44	275							0.11	<5
M59	92JF461		<5	893		0.03	<2		184	<2		<1					9.52	814							0.04	<5
M60	92JF459		20	48		0.88	<2		133	7742		11					7.22	28							0.22	<5
M61	92JF458		55	35		>10.00	<2		67	726		262					4.15	13							0.17	<5
M62	92JF457		19	49		3.07	<2		118	2141		7					9.58	15							0.20	<5
M63	92JF456		7	882		1.10	<2		167	<2		<1					>10.00	745							0.07	<5
M64	92JF624		99	32		5.33	<2		30	48		175					8.28	11							0.23	<5
M65	92JF623		153	29		3.07	<2		12	55		162					2.90	11							0.26	<5

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppm	P2O5 ppm	Pb ppm	Pb %	Pd ppm	Pr ppm	Pt ppm	Rb ppm	Re ppm	Rh ppm	Ru ppm	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
M22	92JF415	<2		4.14	1254	3	1.00	<5		50			5		3		5					<5				39
M23	92JF416	2		4.91	1172	2	1.08	<5		49			<2		1		<5					<5				27
M24	92JF417	<2		0.65	227	3	0.08	<5		13			<2		2		8					<5				<20
M25	92JF418	<2		3.10	1292	5	1.35	<5		42			7		8		6					<5				29
M26	92JF419	<2		5.68	882	5	0.91	<5		62			<2		35		22					<5				<20
M27	92JF420	<2		4.29	1514	9	1.05	<5		75			8		3		8					<5				43
M28	92JF421	<2		>10.00	1296	5	0.56	<5		440			7		8		12					<5				26
M29	92JF422	<2		>10.00	1165	5	0.47	<5		360			13		4		7					10				<20
M30	92JF423	2		3.37	1980	9	2.24	<5		36			7		1		12					<5				51
M31	92JF425	<2		0.49	232	3	0.68	6		418			<2		78		36					<5				<20
M32	92JF424	<2		9.78	1196	10	0.59	<5		191			6		2		<5					<5				24
M33	92JF438	2		4.81	1033	8	1.19	<5		61			14		14		<5					<5				34
M34	92JF437	2		>10.00	891	5	0.47	<5		223			8		4		<5					5				20
M35	92JF436	<2		3.60	1169	7	0.96	<5		68			13		20		28					<5				<20
M36	92JF435	<2		3.89	1303	6	1.09	<5		46			9		2		<5					<5				39
M37	92JF434	3		3.03	936	7	0.95	<5		43			14		15		11					<5				24
M38	92JF433	<2		1.68	1164	7	3.01	<5		17			4		5		11					<5				<20
M39	92JF430	<2		3.42	1227	14	1.16	<5		32			4		3		<5					<5				36
M40	92JF429	<2		4.13	664	3	0.91	5		221			3		9		9					<5				<20
M41	92JF431	3		6.09	755	11	1.04	<5		176			3		10		5					<5				<20
M41	92JF432	3		3.82	1242	13	0.97	<5		66			14		7		7					<5				35
M42	92JF428	<2		4.85	962	7	0.91	<5		78			7		19		13					<5				24
M43	92JF427	<2		5.99	1081	4	2.09	<5		121			<2		15		12					<5				<20
M44	92JF426	<2		4.72	1307	5	1.44	<5		52			2		22		8					<5				33
M45	92JF472	3		3.68	1327	2	1.86	<5		41			<2		13		13					35				<20
M45	92JF473	5		2.46	1397	16	4.30	<5		15			<2		2		10					<5				29
M46	92JF412	2		4.53	1593	4	1.27	<5		42			<2		6		12					<5				35
M47	92JF411	<2		2.91	1355	4	1.36	<5		36			6		<1		9					<5				<20
M48	92JF410	4		5.41	1441	7	1.22	<5		82			9		<1		6					<5				21
M49	92JF409	<2		1.58	1318	1	3.31	<5		9			<2		6		9					<5				20
M50	92JF408	2		4.20	1144	1	0.97	<5		45			<2		9		11					<5				30
M51	92JF407	3		5.73	869	6	1.19	<5		80			10		15		18					<5				<20
M52	92JF406	2		4.83	1222	4	1.24	<5		60			14		13		29					<5				28
M53	92JF405	<2		3.68	1440	4	1.14	<5		26			12		4		16					<5				48
M54	92JF404	<2		2.86	1483	8	1.46	<5		29			7		16		16					<5				22
M55	92JF403	<2		2.96	1321	3	1.13	<5		17			<2		2		14					<5				31
M56	92JF402	3		2.07	1294	3	1.04	<5		23			11		5		14					<5				39
M57	92JF401	<2		1.78	1161	4	1.39	<5		37			7		1		17					<5				29
M58	92JF460	<2		>10.00	868	10	0.21	<5		2170			<2		<1		12					593				25
M59	92JF461	<2		>10.00	955	16	0.05	<5		1433			<2		3		<5					2000				30
M60	92JF459	<2		>10.00	961	6	0.47	<5		1591			<2		21		31					40				20
M61	92JF458	<2		2.72	629	3	2.62	<5		98			<2		11		9					26				<20
M62	92JF457	<2		>10.00	1375	4	0.47	<5		986			<2		8		7					<5				28
M63	92JF456	<2		>10.00	1056	15	0.12	<5		1426			<2		11		<5					2000				26
M64	92JF624	<2		1.27	882	5	1.91	15		11			<2		2		<5					<5				23
M65	92JF623	<2		0.57	206	2	5.04	<5		4			<2		2		<5					8				<20

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Tc ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Ua ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
M22	92JF415	315	37	<25			0.83					1026	<20	<5		60		<5
M23	92JF416	348	73	<25			0.74					778	<20	<5		54		<5
M24	92JF417	72	<5	<25			0.02					29	<20	<5		6		<5
M25	92JF418	587	88	<25			0.49					463	<20	<5		58		<5
M26	92JF419	303	69	<25			0.21					302	<20	<5		17		8
M27	92JF420	263	51	<25			0.99					1143	<20	<5		79		<5
M28	92JF421	78	30	<25			0.07					78	<20	<5		44		10
M29	92JF422	84	50	<25			0.16					176	<20	<5		30		<5
M30	92JF423	305	55	<25			1.38					631	<20	18		103		<5
M31	92JF425	466	<5	<25			0.03					25	<20	<5		<2		<5
M32	92JF424	134	17	<25			0.16					161	<20	<5		35		7
M33	92JF438	541	39	<25			0.62					697	<20	<5		38		<5
M34	92JF437	28	83	<25			0.15					157	<20	<5		32		<5
M35	92JF436	410	46	<25			0.62					655	<20	<5		60		<5
M36	92JF435	395	22	<25			0.89					866	<20	<5		69		<5
M37	92JF434	562	35	<25			0.32					428	<20	<5		35		<5
M38	92JF433	301	41	<25			0.50					209	<20	8		59		20
M39	92JF430	312	19	<25			0.75					629	<20	<5		53		<5
M40	92JF429	431	38	<25			0.03					44	<20	<5		10		13
M41	92JF431	386	31	<25			0.06					67	<20	<5		13		20
M41	92JF432	383	77	<25			0.49					551	<20	<5		62		<5
M42	92JF428	370	60	<25			0.43					540	<20	<5		29		<5
M43	92JF427	174	47	<25			0.13					182	<20	<5		34		14
M44	92JF426	513	102	<25			0.52					419	<20	<5		45		<5
M45	92JF472	465	13	<25			0.44					336	<20	<5		58		6
M45	92JF473	271	<5	<25			0.74					392	<20	19		70		33
M46	92JF412	293	40	<25			0.90					789	<20	<5		73		<5
M47	92JF411	401	14	<25			0.58					496	<20	<5		61		<5
M48	92JF410	343	89	<25			0.56					455	<20	<5		68		<5
M49	92JF409	245	8	<25			0.59					260	<20	8		65		17
M50	92JF408	274	19	<25			0.75					962	<20	<5		56		<5
M51	92JF407	340	49	<25			0.20					282	<20	<5		16		14
M52	92JF406	397	31	<25			0.37					308	<20	<5		39		<5
M53	92JF405	344	35	<25			1.13					917	<20	<5		84		<5
M54	92JF404	536	32	<25			0.37					356	<20	<5		43		<5
M55	92JF403	350	36	<25			0.93					837	<20	<5		65		<5
M56	92JF402	354	21	<25			1.06					924	<20	<5		79		<5
M57	92JF401	525	43	<25			0.77					678	<20	<5		56		<5
M58	92JF460	6	35	<25			0.06					227	<20	<5		123		<5
M59	92JF461	3	35	<25			0.11					414	<20	<5		196		<5
M60	92JF459	9	36	<25			0.02					66	<20	<5		51		8
M61	92JF458	1006	<5	<25			0.12					148	<20	<5		3		<5
M62	92JF457	26	18	<25			0.04					81	<20	<5		38		6
M63	92JF456	4	31	<25			0.15					403	<20	<5		264		<5
M64	92JF624	184	<5	<25			0.50					327	<20	<5		7		26
M65	92JF623	413	<5	<25			0.24					48	<20	<5		4		<5

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWP	RNG	Secton	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
M66	92JF622	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	9W	3	Kateel River	<0.5		3.27	<5	2
M67	92JF621	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	9W	3	Kateel River	<0.5		3.34	14	7
M68	92JF620	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	34	Kateel River	<0.5		4.64	18	<1
M69	92JF492	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		6.94	39	3
M70	92JF493	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		5.30	18	10
M71	92JF494	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		4.38	52	3
M72	92JF495	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		8.18	37	7
M73	92JF496	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		5.17	39	5
M74	92JF497	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		3.94	29	6
M75	92JF498	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		5.80	17	3
M75	92JF499	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		5.54	44	<1
M76	92JF500	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		5.15	32	1
M77	92JF501	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		6.48	19	2
M77	92JF502	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	26	Kateel River	<0.5		7.81	12	2
M78	92JF503	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	25	Kateel River	<0.5		5.85	<5	6
M79	92JF504	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	25	Kateel River	<0.5		6.21	11	8
M80	92JF505	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	25	Kateel River	1.3		3.25	<5	208
M81	92JF506	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	9W	36	Kateel River	<0.5		8.13	<5	8
M82	92JF444	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		5.13	<5	2
M83	92JF443	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		7.57	39	6
M84	92JF442	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		7.71	14	22
M85	92JF441	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		5.19	36	9
M86	92JF440	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		5.55	18	4
M87	92JF439	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		6.00	7	22
M88	92JF445	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	31	Kateel River	<0.5		5.49	38	7
M89	92JF446	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	32	Kateel River	<0.5		6.93	21	25
M90	92JF447	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	32	Kateel River	<0.5		3.55	<5	9
M91	92JF448	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	32	Kateel River	<0.5		6.03	<5	3
M92	92JF450	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	32	Kateel River	<0.5		5.21	16	16
M93	92JF449	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	32	Kateel River	<0.5		5.49	51	6
M94	92JF467	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		5.07	6	5
M94	92JF468	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		4.91	26	3
M95	92JF466	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		4.92	24	2
M96	92JF465	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		4.28	<5	5
M97	92JF464	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		7.58	24	17
M98	92JF463	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		8.06	40	5
M99	92JF462	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		8.75	12	9
M100	92JF451	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		7.44	19	13
M101	92JF471	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		6.72	21	6
M102	92JF470	92		Misheguk Mtn.	Highgrade	Misheguk Mtn.	B-3	34N	8W	33	Kateel River	<0.5		6.05	14	2
M103	92JF612	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	9	Kateel River	<0.5		3.84	23	19
M104	92JF611	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	9	Kateel River	<0.5		4.61	25	5
M105	92JF610	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	9	Kateel River	<0.5		8.06	13	3
M106	92JF609	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	8	Kateel River	<0.5		6.06	22	63
M107	92JF608	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	8	Kateel River	<0.5		3.68	40	5
M108	92JF607	92		Misheguk Mtn.	Grab	Misheguk Mtn.	B-3	33N	8W	8	Kateel River	<0.5		4.53	45	4

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppm	K %	La ppm
M66	92JF622		229	29		4.56	<2		19	36		125					2.71	14							0.13	<5
M67	92JF621		144	38		5.05	<2		18	51		269					3.84	17							0.20	7
M68	92JF620		43	47		>10.00	<2		50	28		160					>10.00	16							0.19	<5
M69	92JF492		76	57		>10.00	<2		45	65		141					7.75	12							0.25	<5
M70	92JF493		98	49		>10.00	<2		54	53		278					>10.00	15							0.21	<5
M71	92JF494		27	64		8.45	<2		82	836		9					6.33	<10							0.21	<5
M72	92JF495		52	54		>10.00	<2		54	344		67					6.39	13							0.30	<5
M73	92JF496		62	51		>10.00	<2		41	82		203					7.75	14							0.16	<5
M74	92JF497		87	46		>10.00	<2		39	100		181					8.73	18							0.15	<5
M75	92JF498		62	42		>10.00	<2		65	184		158					9.91	14							0.25	<5
M75	92JF499		73	39		9.52	<2		56	51		138					>10.00	11							0.20	<5
M76	92JF500		52	37		>10.00	<2		70	420		166					9.63	16							0.32	<5
M77	92JF501		51	39		>10.00	<2		64	59		200					>10.00	20							0.23	5
M77	92JF502		91	40		>10.00	<2		44	47		215					8.39	24							0.25	8
M78	92JF503		55	42		>10.00	<2		63	60		510					>10.00	16							0.24	<5
M79	92JF504		40	40		>10.00	<2		94	64		1040					4.94	<10							0.17	<5
M80	92JF505		13	51		7.57	<2		40	132		12457					9.98	<10							0.11	<5
M81	92JF506		68	44		>10.00	<2		50	86		305					>10.00	15							0.28	<5
M82	92JF444		109	44		>10.00	<2		41	84		174					9.93	19							0.22	<5
M83	92JF443		84	40		>10.00	<2		62	631		94					5.66	15							0.43	<5
M84	92JF442		118	36		>10.00	<2		41	149		230					7.15	16							0.34	<5
M85	92JF441		38	32		>10.00	<2		36	241		8498					9.47	22							0.18	<5
M86	92JF440		73	36		8.76	<2		37	61		111					>10.00	30							0.21	<5
M87	92JF439		27	5		>10.00	<2		13	46		352					5.92	45							0.13	<5
M88	92JF445		58	43		>10.00	<2		72	369		163					>10.00	12							0.26	<5
M89	92JF446		83	36		>10.00	<2		65	191		347					>10.00	17							0.41	<5
M90	92JF447		24	30		>10.00	<2		110	67		855					>10.00	27							0.11	6
M91	92JF448		103	38		>10.00	<2		64	84		53					>10.00	15							0.42	<5
M92	92JF450		195	48		8.39	<2		62	142		980					8.87	16							0.35	<5
M93	92JF449		276	38		8.02	<2		39	118		271					7.70	17							0.45	<5
M94	92JF467		172	33		5.75	<2		28	133		280					7.61	16							0.31	<5
M94	92JF468		175	58		6.60	<2		40	126		113					>10.00	25							0.44	<5
M95	92JF466		26	36		>10.00	<2		23	198		153					7.36	18							0.16	<5
M96	92JF465		132	45		7.47	<2		44	106		88					9.92	15							0.31	<5
M97	92JF464		87	49		>10.00	<2		46	172		449					7.39	13							0.28	<5
M98	92JF463		57	46		>10.00	<2		64	3221		140					7.84	21							0.32	<5
M99	92JF462		72	44		5.85	<2		34	2183		57					9.05	26							0.29	<5
M100	92JF451		111	36		>10.00	<2		85	268		1353					8.35	11							0.29	<5
M101	92JF471		94	53		>10.00	<2		53	136		496					6.57	16							0.23	<5
M102	92JF470		109	58		>10.00	<2		63	118		269					>10.00	19							0.30	<5
M103	92JF612		55	19		5.52	<2		20	98		38					9.09	10							0.14	7
M104	92JF611		299	30		5.20	<2		37	26		96					>10.00	19							0.63	7
M105	92JF610		370	44		4.47	<2		34	22		138					>10.00	13							1.00	11
M106	92JF609		559	37		0.77	<2		24	42		44					7.51	<10							1.88	6
M107	92JF608		560	37		4.68	<2		34	39		101					8.75	11							0.85	5
M108	92JF607		422	49		5.47	<2		45	40		157					9.07	13							0.71	13

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppm	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
M66	92JF622	<2		0.76	291	3	4.89	<5		6			<2		1	<5					<5					<20
M67	92JF621	2		1.40	306	3	4.39	<5		14			<2		14	<5					16					<20
M68	92JF620	<2		3.39	1764	3	1.70	<5		23			<2		<1	<5					15					42
M69	92JF492	<2		4.67	1349	3	1.80	7		46			<2		5	<5					<5					25
M70	92JF493	<2		3.92	1552	3	1.72	<5		30			<2		8	17					24					32
M71	92JF494	<2		>10.00	1003	3	0.57	<5		395			<2		12	16					<5					<20
M72	92JF495	<2		7.35	1210	3	1.11	<5		218			<2		79	116					<5					26
M73	92JF496	<2		2.92	1306	2	1.67	<5		24			<2		14	28					<5					21
M74	92JF497	9		2.55	1340	<1	1.72	<5		24			<2		9	16					10					26
M75	92JF498	<2		8.61	1662	2	0.97	<5		97			<2		10	10					56					32
M75	92JF499	<2		2.95	1336	<1	1.54	<5		15			<2		2	7					13					30
M76	92JF500	<2		9.03	1461	3	0.95	<5		196			<2		18	18					10					34
M77	92JF501	2		4.34	1432	17	1.08	<5		20			<2		<1	5					<5					37
M77	92JF502	<2		4.33	860	5	0.96	<5		49			<2		9	<5					34					34
M78	92JF503	3		6.20	1702	6	0.98	<5		29			<2		2	9					17					42
M79	92JF504	<2		2.23	452	5	0.75	<5		48			<2		22	31					22					<20
M80	92JF505	<2		1.94	1016	3	0.25	7		18			<2		6	6					18					37
M81	92JF506	2		4.72	1295	7	1.20	<5		64			<2		11	6					18					32
M82	92JF444	<2		3.64	1895	3	1.92	<5		23			<2		13	<5					<5					25
M83	92JF443	5		8.80	1044	2	1.33	<5		191			<2		5	<5					<5					<20
M84	92JF442	5		5.83	1391	<1	1.71	<5		71			<2		26	10					37					31
M85	92JF441	<2		3.45	847	8	0.44	6		75			<2		11	<5					30					29
M86	92JF440	3		3.42	1756	3	2.59	<5		29			6		2	9					<5					27
M87	92JF439	<2		0.44	814	2	1.85	<5		6			8		2	9					<5					22
M88	92JF445	3		9.34	1848	2	1.01	<5		201			<2		23	10					7					33
M89	92JF446	3		5.43	1364	15	1.48	<5		110			<2		11	39					7					22
M90	92JF447	<2		0.51	1067	6	0.53	<5		63			<2		16	<5					14					<20
M91	92JF448	3		5.81	1540	5	1.67	<5		77			<2		25	7					<5					27
M92	92JF450	3		3.65	1450	<1	2.32	<5		76			<2		9	12					32					<20
M93	92JF449	2		4.14	1430	3	2.57	<5		59			<2		3	<5					27					<20
M94	92JF467	<2		1.76	1270	5	3.13	<5		12			<2		2	<5					18					21
M94	92JF468	<2		2.75	1978	6	2.92	<5		15			<2		3	6					11					33
M95	92JF466	<2		1.13	2139	3	0.36	<5		14			<2		<1	<5					7					36
M96	92JF465	<2		3.04	1834	3	2.27	15		24			<2		5	13					16					36
M97	92JF464	3		5.56	1339	5	1.28	<5		56			<2		25	8					22					<20
M98	92JF463	2		7.94	1489	5	1.46	<5		201			<2		16	<5					<5					<20
M99	92JF462	<2		2.91	1365	4	2.86	<5		53			<2		1	8					12					26
M100	92JF451	3		6.16	1099	4	1.39	<5		162			<2		28	17					<5					<20
M101	92JF471	2		4.50	1055	4	1.35	<5		35			<2		15	26					23					<20
M102	92JF470	2		4.20	1657	5	1.59	<5		36			<2		2	5					10					40
M103	92JF612	3		0.71	703	7	0.34	<5		13			<2		6	11					15					<20
M104	92JF611	7		2.39	1597	7	3.20	<5		18			<2		3	6					<5					32
M105	92JF610	7		2.93	1423	6	3.65	<5		17			<2		7	11					<5					35
M106	92JF609	8		1.63	474	5	4.10	<5		16			<2		7	16					<5					<20
M107	92JF608	9		2.43	1412	7	3.02	<5		30			<2		3	6					13					28
M108	92JF607	5		2.48	1205	14	3.16	<5		34			3		5	10					6					29

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Tc ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Uf ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
M66	92JF622	523	<5	<25			0.12					73	<20	<5		5		<5
M67	92JF621	406	<5	<25			0.29					124	<20	<5		4		<5
M68	92JF620	258	19	<25			1.12					656	<20	<5		87		<5
M69	92JF492	305	49	<25			0.41					306	<20	7		48		20
M70	92JF493	536	<5	<25			0.72					598	<20	<5		62		<5
M71	92JF494	146	19	<25			0.07					107	<20	<5		21		11
M72	92JF495	398	<5	<25			0.12					141	<20	<5		38		18
M73	92JF496	575	<5	<25			0.45					459	<20	<5		50		<5
M74	92JF497	634	<5	<25			0.54					544	<20	<5		63		<5
M75	92JF498	258	30	<25			0.32					307	<20	5		52		10
M75	92JF499	516	<5	<25			0.79					659	<20	<5		59		<5
M76	92JF500	214	10	<25			0.38					325	<20	<5		42		9
M77	92JF501	423	<5	<25			0.86					801	<20	<5		59		<5
M77	92JF502	458	<5	<25			0.56					420	<20	5		19		14
M78	92JF503	269	19	<25			0.93					1037	<20	<5		66		<5
M79	92JF504	547	<5	<25			0.05					84	<20	<5		7		12
M80	92JF505	319	10	<25			0.86					345	<20	17		29		24
M81	92JF506	463	<5	<25			0.62					659	<20	<5		48		<5
M82	92JF444	477	<5	<25			0.57					523	<20	<5		81		<5
M83	92JF443	295	50	<25			0.12					124	<20	<5		24		19
M84	92JF442	419	<5	<25			0.42					336	<20	8		41		12
M85	92JF441	799	36	<25			0.30					330	<20	5		<2		19
M86	92JF440	321	33	<25			0.98					417	<20	16		86		<5
M87	92JF439	593	8	<25			0.28					122	<20	11		11		45
M88	92JF445	283	<5	<25			0.26					266	<20	<5		62		7
M89	92JF446	299	<5	<25			0.50					486	<20	<5		61		12
M90	92JF447	1176	<5	<25			0.08					71	<20	<5		<2		<5
M91	92JF448	296	<5	<25			0.59					744	<20	<5		58		<5
M92	92JF450	474	<5	<25			0.39					303	<20	5		56		6
M93	92JF449	529	<5	<25			0.47					295	<20	5		39		<5
M94	92JF467	504	<5	<25			0.68					238	<20	7		24		<5
M94	92JF468	321	<5	<25			1.11					518	<20	17		89		<5
M95	92JF466	661	<5	<25			0.76					399	<20	11		356		<5
M96	92JF465	312	15	<25			0.78					465	<20	5		73		13
M97	92JF464	439	25	<25			0.32					349	<20	<5		34		13
M98	92JF463	446	62	<25			0.17					176	<20	<5		44		15
M99	92JF462	267	<5	<25			0.54					349	<20	16		64		42
M100	92JF451	464	38	<25			0.19					180	<20	<5		24		13
M101	92JF471	485	<5	<25			0.18					183	<20	<5		22		8
M102	92JF470	356	12	<25			1.10					1005	<20	<5		65		<5
M103	92JF612	741	7	<25			0.40					231	<20	5		19		9
M104	92JF611	110	<5	<25			0.99					507	<20	15		84		45
M105	92JF610	144	6	<25			0.88					378	<20	26		72		68
M106	92JF609	154	<5	<25			0.46					261	<20	10		20		44
M107	92JF608	226	<5	<25			0.80					395	<20	9		81		32
M108	92JF607	260	<5	<25			0.82					378	<20	14		39		18

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWP	RNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
M109	92JF606	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		8	Kateel River	<0.5		7.68	28	2
M110	92JF605	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		8	Kateel River	<0.5		8.64	43	6
M111	92JF604	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		8	Kateel River	<0.5		4.60	40	3
M112	92JF603	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		17	Kateel River	<0.5		5.09	44	2
M113	92JF602	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		17	Kateel River	<0.5		7.36	21	4
M114	92JF601	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		17	Kateel River	<0.5		8.75	22	3
M115	92JF474	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		17	Kateel River	<0.5		3.45	25	8
M116	92JF475	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		17	Kateel River	<0.5		5.42	26	1
M117	92JF476	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		18	Kateel River	<0.5		3.33	<5	2
M118	92JF477	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		18	Kateel River	<0.5		5.94	<5	1
M119	92JF478	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	8W		18	Kateel River	<0.5		8.08	<5	30
M120	92JF479	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	8W		20	Kateel River	<0.5		3.52	<5	1
M121	92JF480	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	8W		19	Kateel River	<0.5		5.15	27	18
M122	92JF481	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	8W		19	Kateel River	<0.5		4.09	<5	2
M123	92JF482	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	8W		19	Kateel River	<0.5		7.90	7	<1
M124	92JF507	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		23	Kateel River	<0.5		6.08	<5	3
M124	92JF508	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		23	Kateel River	<0.5		5.88	39	31
M124	92JF509	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		23	Kateel River	<0.5		6.48	42	<1
M125	92JF510	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		23	Kateel River	<0.5		6.43	32	19
M126	92JF511	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		14	Kateel River	<0.5		6.15	<5	5
M127	92JF512	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		14	Kateel River	<0.5		3.50	<5	3
M128	92JF513	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		14	Kateel River	<0.5		5.02	<5	<1
M129	92JF514	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		14	Kateel River	<0.5		6.14	15	2
M130	92JF515	92		Misheguk Mtn.	Grab	Misheguk Mtn. B-3	33N	9W		14	Kateel River	<0.5		4.36	15	5
M131	92JF516	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		22	Kateel River	<0.5		3.22	<5	1
M132	92JF517	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		27	Kateel River	<0.5		6.98	52	10
M133	92JF518	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		27	Kateel River	<0.5		5.32	48	3
M134	92JF519	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		22	Kateel River	<0.5		2.86	40	5
M135	92JF625	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		27	Kateel River	<0.5		5.10	26	1
M136	92JF626	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		27	Kateel River	<0.5		7.33	53	1
M137	92JF627	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		26	Kateel River	<0.5		5.09	19	4
M138	92JF628	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		26	Kateel River	<0.5		3.61	15	1
M139	92JF629	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		26	Kateel River	<0.5		9.78	25	1
M140	92JF630	92		Misheguk Mtn.	Grab	Misheguk Mtn. A-3	33N	9W		26	Kateel River	<0.5		4.87	19	2
MH1	AK25503	91		North Fork Rainy Cr	Highgrade	Mt. Hayes	B-4	18S	10E	31	Fairbanks	0.9		0.87	34	25
MH2	AK25509	91		North Fork Rainy Cr	Grab	Mt. Hayes	B-4	18S	9E	26	Fairbanks	0.6		1.01	9	<1
MH3	AK25506	91		North Fork Rainy Cr	Grab	Mt. Hayes	B-4	18S	10E	31	Fairbanks	0.5		2.71	6	2
MH4	AK19190	91		Prospect Cr	Grab	Mt. Hayes	C-2	16S	15E	14	Fairbanks	<0.5			<5	4
MH5	AK18966	91		West Fork Robertson R	Grab	Mt. Hayes	B-2	19S	16E	4	Fairbanks	<0.5			26	4
MH6	AK78-127	91		West Fork Robertson R	Grab	Mt. Hayes	B-2	18N	5E	18	Copper River	<0.5			<5	4
MH7	AK79-117	91		West Fork Robertson R	Grab	Mt. Hayes	B-2	18N	5E	8	Copper River	<0.5			<5	2
MH8	AK18995	91		Robertson R	Grab	Mt. Hayes	B-1	17N	6E	9	Copper River	<0.5			17	5
MH9	AK18243	91		Tok R	Grab	Mt. Hayes	A-1	17N	7E	20	Copper River	0.8			65	13
MH10	AK18960	91		Tok R	Grab	Mt. Hayes	A-1	17N	7E	29	Copper River	0.5			48	<1
MH11	AK18998	91		Tok R	Grab	Mt. Hayes	A-1	17N	7E	28	Copper River	<0.5			8	<1
MH12	AK16612	91		Tok R	Grab	Mt. Hayes	A-1	17N	7E	22	Copper River	<0.5			<5	3

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
M109	92JF606		48	50		4.77	<2		39	25		126					9.26	15							0.24	<5
M110	92JF605		268	66		6.08	<2		41	23		77					>10.00	16							0.68	<5
M111	92JF604		181	54		6.07	<2		38	48		79					6.81	14							0.48	<5
M112	92JF603		358	60		6.14	<2		35	26		14					9.56	19							0.51	<5
M113	92JF602		723	39		1.22	<2		9	146		11					3.58	12							1.40	18
M114	92JF601		102	54		6.47	<2		42	29		130					>10.00	14							0.34	<5
M115	92JF474		30	26		1.18	<2		6	96		13					2.93	<10							0.10	10
M116	92JF475		68	72		6.23	<2		44	116		155					>10.00	13							0.24	<5
M117	92JF476		26	25		6.14	<2		9	156		920					1.02	11							0.09	12
M118	92JF477		2000	10		0.36	<2		5	155		18					1.15	<10							1.70	17
M119	92JF478		322	49		1.48	<2		48	91		1969					>10.00	22							0.78	<5
M120	92JF479		36	31		0.43	<2		8	137		18					2.92	<10							0.10	7
M121	92JF480		524	31		4.52	<2		19	139		31					7.26	10							0.77	<5
M122	92JF481		44	40		3.02	<2		34	205		163					4.96	<10							0.18	<5
M123	92JF482		101	35		5.68	<2		38	97		128					>10.00	14							0.36	<5
M124	92JF507		137	42		6.83	<2		45	242		166					6.89	10							0.28	<5
M124	92JF508		112	33		9.36	<2		136	215		4065					6.12	10							0.28	<5
M124	92JF509		66	46		>10.00	<2		72	356		38					7.22	17							0.33	<5
M125	92JF510		112	49		9.65	<2		84	214		2383					7.50	11							0.26	<5
M126	92JF511		75	50		>10.00	<2		61	179		1198					7.21	<10							0.23	<5
M127	92JF512		191	43		6.82	<2		48	116		667					7.26	14							0.12	<5
M128	92JF513		120	36		8.03	<2		41	92		178					7.61	20							0.14	5
M129	92JF514		56	38		>10.00	<2		61	105		328					>10.00	17							0.22	<5
M130	92JF515		72	38		>10.00	<2		34	106		591					6.00	15							0.14	<5
M131	92JF516		641	37		4.76	<2		24	102		76					4.96	<10							0.77	<5
M132	92JF517		87	51		>10.00	<2		61	88		1164					7.04	18							0.23	<5
M133	92JF518		62	56		>10.00	<2		79	42		315					>10.00	21							0.29	<5
M134	92JF519		31	75		3.82	<2		115	228		9					9.89	10							0.21	<5
M135	92JF625		21	16		9.42	<2		26	84		74					7.35	11							0.18	<5
M136	92JF626		47	49		>10.00	<2		27	181		23					2.51	14							0.28	<5
M137	92JF627		172	45		9.91	<2		35	67		127					7.85	16							0.38	<5
M138	92JF628		206	37		2.49	<2		22	29		58					7.75	<10							0.44	<5
M139	92JF629		68	29		5.23	<2		44	17		9					7.65	15							0.38	10
M140	92JF630		167	38		3.22	<2		33	22		275					8.30	12							0.39	<5
MH1	AK25503			<5		1.13	<0.2		180	113		1095					>10.00								0.11	10
MH2	AK25509			<5		0.57	<0.2		103	70		51					9.82								0.01	<1
MH3	AK25506			<5		1.94	<0.2		56	109		50					5.56								0.07	<1
MH4	AK19190		834	8			<2		31	309		44					4.81	<10								
MH5	AK18966		167	13			<2		32	375		44					5.30	<10								
MH6	AK78-127		1022	8			<2		46	498		35					5.75	<10								
MH7	AK79-117		1084	5			<2		10	163		9					2.44	<10								
MH8	AK18995		329	<5			<2		19	74		125					5.16	13								
MH9	AK18243		1720	15			<2		19	102		9					4.59	19								
MH10	AK18960		984	9			<2		22	57		18					5.26	12								
MH11	AK18998		1581	8			<2		21	64		15					5.47	13								
MH12	AK16612		233	11			<2		28	160		18					6.17	<10								

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Map no	Sample no	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Se ppm	Sm ppm	Sn ppm
M109	92JF606	4		2.66	1406	3	3.75	<5		7			<2		2		11					<5			30
M110	92JF605	4		3.36	1557	7	3.15	<5		18			<2		3		<5					24			43
M111	92JF604	6		3.30	1354	<1	2.92	<5		19			<2		3		<5					7			<20
M112	92JF603	2		3.01	1292	2	2.92	<5		19			<2		2		<5					<5			39
M113	92JF602	<2		1.06	784	5	4.07	11		13			<2		3		11					11			21
M114	92JF601	5		3.50	1752	6	3.82	<5		21			<2		6		9					24			23
M115	92JF474	2		0.83	328	2	4.24	<5		1			<2		3		7					<5			<20
M116	92JF475	3		3.60	1880	5	3.39	<5		29			<2		4		8					15			38
M117	92JF476	<2		0.11	147	3	4.08	11		4			<2		5		<5					14			<20
M118	92JF477	<2		0.42	78	5	2.91	11		3			<2		1		9					7			<20
M119	92JF478	15		3.47	811	5	2.33	<5		12			<2		1		9					<5			47
M120	92JF479	<2		0.66	400	5	4.29	5		1			<2		4		9					<5			<20
M121	92JF480	3		3.72	2214	3	3.07	<5		33			<2		9		9					<5			30
M122	92JF481	<2		2.79	1726	2	4.29	<5		24			<2		10		8					12			<20
M123	92JF482	4		3.05	1572	3	3.59	<5		18			<2		8		8					<5			27
M124	92JF507	<2		5.88	1216	5	1.72	<5		122			<2		11		19					13			<20
M124	92JF508	<2		4.20	752	3	1.32	<5		544			<2		254		156					<5			23
M124	92JF509	<2		9.04	1219	7	0.99	<5		224			<2		11		24					19			25
M125	92JF510	<2		5.69	1132	4	1.66	<5		136			<2		44		21					<5			23
M126	92JF511	<2		5.01	1301	<1	1.30	<5		87			<2		23		13					<5			<20
M127	92JF512	<2		1.91	943	<1	2.31	<5		44			<2		9		11					<5			20
M128	92JF513	<2		2.00	1697	2	2.54	6		13			<2		<1		<5					17			23
M129	92JF514	<2		4.56	1583	<1	1.23	<5		34			<2		6		<5					6			30
M130	92JF515	<2		2.16	818	2	1.22	<5		33			<2		6		6					14			22
M131	92JF516	2		1.43	967	1	2.68	<5		16			<2		2		5					18			<20
M132	92JF517	<2		4.44	1095	3	1.30	<5		51			<2		6		<5					6			<20
M133	92JF518	<2		4.00	1721	4	1.26	12		36			<2		<1		<5					15			33
M134	92JF519	2		10.00	1633	3	0.52	<5		548			<2		5		20					<5			25
M135	92JF625	2		1.12	981	4	0.42	6		5			<2		1		<5					26			27
M136	92JF626	2		2.62	498	6	1.29	6		60			<2		17		<5					14			<20
M137	92JF627	7		2.83	1266	3	2.80	<5		34			<2		2		9					33			<20
M138	92JF628	4		1.63	1624	2	4.14	<5		4			<2		2		<5					10			20
M139	92JF629	7		2.14	1379	4	4.94	<5		11			<2		3		<5					<5			30
M140	92JF630	6		2.06	1584	4	4.27	<5		11			<2		2		<5					9			<20
MH1	AK25503			0.24	200	1	0.05			125			<2		4		<5					<5	100		<20
MH2	AK25509			2.03	1000	<1	0.12			1438			<2		4		8					<5	79		<20
MH3	AK25506			8.26	500	<1	0.23			510			<2		10		6					<5	54		<20
MH4	AK19190	31			911	<1				133			<2		4		10					<5			<20
MH5	AK18966	126			898	1				278			<2		<1		<5					<5			<20
MH6	AK78-127	23			981	<1				484			<2		4		9					<5			<20
MH7	AK79-117	16			465	<1				48			<2		2		9					<5			<20
MH8	AK18995	6			825	2				40			<2		14		9					<5			<20
MH9	AK18243	11			1021	12				61			<2		<1		<5					13			<20
MH10	AK18960	21			952	5				19			<2		5		<5					8			<20
MH11	AK18998	13			1176	1				8			19		3		<5					29			<20
MH12	AK16612	12			1153	<1				30			<2		2		<5					<5			<20

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Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Uf ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
M109	92JF606	69	<5		<25		0.51					412	<20	14		67		34
M110	92JF605	496	8		<25		1.00					433	<20	26		56		7
M111	92JF604	229	<5		<25		0.29					263	<20	<5		57		19
M112	92JF603	478	<5		<25		0.82					426	<20	12		23		12
M113	92JF602	185	10		<25		0.39					48	<20	30		47		174
M114	92JF601	181	<5		<25		0.88					391	<20	23		104		58
M115	92JF474	116	<5		<25		0.43					47	<20	19		13		81
M116	92JF475	139	6		<25		1.00					434	<20	19		103		23
M117	92JF476	73	<5		<25		0.13					57	<20	11		<2		129
M118	92JF477	147	<5		<25		0.14					28	<20	14		<2		167
M119	92JF478	255	<5		<25		0.96					414	<20	22		5		7
M120	92JF479	79	<5		<25		0.33					47	<20	16		13		104
M121	92JF480	383	35		<25		0.54					299	<20	8		117		25
M122	92JF481	156	59		<25		0.48					281	<20	<5		89		20
M123	92JF482	188	<5		<25		0.95					419	<20	27		66		68
M124	92JF507	219	<5		<25		0.16					240	<20	<5		35		12
M124	92JF508	386	<5		<25		0.14					125	<20	<5		19		26
M124	92JF509	259	11		<25		0.13					149	<20	<5		34		22
M125	92JF510	424	<5		<25		0.13					146	<20	<5		30		19
M126	92JF511	479	24		<25		0.15					180	<20	<5		23		11
M127	92JF512	531	<5		<25		0.24					175	<20	<5		60		<5
M128	92JF513	686	<5		<25		0.60					242	<20	8		37		<5
M129	92JF514	510	<5		<25		0.79					526	<20	7		49		9
M130	92JF515	856	12		<25		0.34					312	<20	<5		17		11
M131	92JF516	298	<5		<25		0.33					192	<20	<5		44		<5
M132	92JF517	592	62		<25		0.36					332	<20	<5		34		7
M133	92JF518	381	<5		<25		1.21					900	<20	<5		94		<5
M134	92JF519	152	59		<25		0.08					82	<20	<5		59		15
M135	92JF625	536	17		<25		0.55					290	<20	8		30		29
M136	92JF626	407	8		<25		0.07					104	<20	<5		4		26
M137	92JF627	120	<5		<25		0.58					328	<20	8		63		35
M138	92JF628	165	<5		<25		0.66					216	<20	8		48		38
M139	92JF629	157	18		<25		0.57					235	<20	21		91		60
M140	92JF630	182	<5		<25		0.62					331	<20	8		56		27
MH1	AK25503	32			<10							33	<20	11	34	13		
MH2	AK25509	27			<10							7	<20	3				
MH3	AK25506	51			<10							16	<20	3				
MH4	AK19190				<25							134	<20			61		
MH5	AK18966				<25							139	<20			101		
MH6	AK78-127				<25							119	<20			76		
MH7	AK79-117				<25							70	<20			37		
MH8	AK18995				<25							225	<20			68		
MH9	AK18243				<25							47	49			95		
MH10	AK18960				<25							110	37			80		
MH11	AK18998				<25							58	63			122		
MH12	AK16612				<25							137	<20			69		

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Map no	Sample no	Year	Property name	Location name	Sample type	Quad name	no	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
MH13	AK19181B	91		Tok R	Grab	Mt. Hayes	A-1	17N	7E	14 Copper River	<0.5			<5	2
MH14	AK19183	91		Tushtena Pass	Grab	Tanacross	B-6	17N	7E	13 Copper River	<0.5			9	3
PWS1	MN28693	92		Bainbridge Island	Stream sed.	Seward	A-3	1N	7E	36 Seward	1.7		2.02	111	
PWS2	MN28692	92		Bainbridge Island	Rock	Seward	A-3	1N	7E	36 Seward					
PWS3	MN28694	92		Bainbridge Island	Stream sed.	Seward	A-3	1S	8E	5 Seward	1.4		1.86	96	
PWS3	MN28696	92		Bainbridge Island	Stream sed.	Seward	A-3	1N	8E	31 Seward	<0.5		1.31	18	
PWS4	MN28695	92		Bainbridge Island	Rock	Seward	A-3	1S	8E	5 Seward					
PWS5	MN28697	92		Evans Island	Stream sed.	Seward	A-3	1S	8E	34 Seward	0.9		1.92	91	
PWS6	MN28698	92		Evans Island	Rock	Seward	A-3	1S	8E	34 Seward					
S1	MN28318	92		Battle Cr.	Rock	Seldovia	D-3	5S	10W	12 Seward	1.6		2.20	86	
S2	MN28319	92		Battle Cr.	Rock	Seldovia	D-3	5S	10W	11 Seward	2.4		2.88	>2000	
S3	MN28320	92		Battle Cr.	Stream sed.	Seldovia	D-3	5S	10W	11 Seward	1.1		1.64	72	
S4	MN28317	92		Bradley Lake	Stream sed.	Seldovia	D-3	5S	9W	8 Seward	1.6		1.52	61	
S5	MN28679	92		Nuka Glacier	Stream sed.	Seldovia	C-2	5S	9W	35 Seward	1.7		3.79	103	
S6	MN28678	92		Nuka Glacier	Stream sed.	Seldovia	C-2	5S	9W	35 Seward	<0.5		4.23	70	
S7	MN28677	92		Nuka Glacier	Stream sed.	Seldovia	C-2	4S	9W	1 Seward	1.1		1.47	60	
S8	MN28684	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	36 Seward	20.7		1.14	>2000	
S9	MN28336	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	36 Seward	9.9		0.97	>2000	
S10	MN28685	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	36 Seward	3.0		2.43	146	
S11	MN28687	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	35 Seward					
S12	MN28688	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	35 Seward					
S13	MN28686	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	35 Seward	3.3		0.55	56	
S13	MN28689	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	35 Seward					
S14	MN28690	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	35 Seward	12.5		0.67	165	
S15	MN28691	92		Dixon Glacier	Rock	Seldovia	C-3	5S	10W	35 Seward					
S16	MN28328	92		Dixon Glacier	Rock	Seldovia	C-3	6S	11W	3 Seward					
S17	MN28680	92		Portlock Glacier	Rock	Seldovia	C-3	6S	10W	10 Seward					
S18	MN28323	92		Grewingk Glacier	Stream sed.	Seldovia	C-3	6S	11W	24 Seward	2.0		1.99	80	
S19	MN28322	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	24 Seward					
S20	MN28330	92		Grewingk Glacier	Stream sed.	Seldovia	C-3	6S	10W	24 Seward	2.3		2.51	83	
S21	MN28321	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	19 Seward					
S22	MN28327	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	30 Seward					
S23	MN28325	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	30 Seward					
S24	MN28306	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	32 Seward					
S25	MN28335	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	32 Seward					
S26	MN28675	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	32 Seward					
S27	MN28674	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	32 Seward					
S28	MN28672	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	31 Seward					
S29	MN28673	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	36 Seward					
S30	MN28334	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	31 Seward					
S31	MN28305	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	36 Seward					
S32	MN28307	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	36 Seward					
S32	MN28324	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	10W	36 Seward					
S32	MN28360	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	36 Seward					
S32	MN28361	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	36 Seward					
S32	MN28362	92		Grewingk Glacier	Rock	Seldovia	C-3	6S	11W	36 Seward					

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
MH13	AK19181B	460	10				<2		37	29		53					8.00	<10								
MH14	AK19183	379	<5				<2		30	35		54					8.75	<10								
PWS1	MN28693	751	36			1.03	3		23	64		42					3.42	32							1.21	5
PWS2	MN28692																									
PWS3	MN28694	519	55			0.57	<2		244	47		23					5.88	68							0.76	<5
PWS3	MN28696	362	17			1.18	<2		50	35		16					3.27	<10							0.65	<5
PWS4	MN28695																									
PWS5	MN28697	473	47			0.53	<2		68	83		30					6.63	36							0.94	<5
PWS6	MN28698																									
S1	MN28318	522	55			1.92	2		17	74		41					3.76	35							0.92	<5
S2	MN28319	518	52			0.84	9		24	145		113					>10	41							0.66	7
S3	MN28320	545	55			1.22	<2		24	35		46					3.66	35							0.67	6
S4	MN28317	722	48			1.20	4		20	53		59					3.84	34							0.87	8
S5	MN28679	566	49			0.61	<2		16	64		46					3.83	33							1.03	9
S6	MN28678	637	25			0.40	<2		16	78		51					4.10	24							1.25	9
S7	MN28677	462	41			0.62	<2		14	71		59					3.28	29							1.07	<5
S8	MN28684	172	351			0.47	17		147	191		14519					5.14	26							0.61	<5
S9	MN28336	96	210			0.26	<2		13	89		14473					>10	<10							0.27	<5
S10	MN28685	374	67			3.36	<2		34	210		114					5.78	46							0.74	<5
S11	MN28687																									
S12	MN28688																									
S13	MN28686	156	36			0.20	<2		11	207		250					3.89	20							0.56	<5
S13	MN28689																									
S14	MN28690	839	246			4.46	5		489	39		809					1.56	569							0.16	9
S15	MN28691																									
S16	MN28328																									
S17	MN28680																									
S18	MN28323	361	53			2.70	<2		20	34		46					4.07	35							0.80	<5
S19	MN28322																									
S20	MN28330	494	75			2.31	<2		28	75		75					6.56	45							0.92	5
S21	MN28321																									
S22	MN28327																									
S23	MN28325																									
S24	MN28306																									
S25	MN28335																									
S26	MN28675																									
S27	MN28674																									
S28	MN28672																									
S29	MN28673																									
S30	MN28334																									
S31	MN28305																									
S32	MN28307																									
S32	MN28324																									
S32	MN28360																									
S32	MN28361																									
S32	MN28362																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pl ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
MH13	AK19181B	13			1441	<1				31			<2		2		8					<5				<20
MH14	AK19183	7			1898	3				10			<2		2		<5					11				<20
PWS1	MN28693	39		0.65	0.08%	9	1.77	14		55			36									26				40
PWS2	MN28692				0.38%																					
PWS3	MN28694	35		0.38	16.35%	8	0.95	11		111			38									35				33
PWS3	MN28696	31		0.38	0.21%	1	0.83	<5		42			10									7				<20
PWS4	MN28695				0.21%																					
PWS5	MN28697	34		0.75	0.38%	8	0.95	12		60			24									25				35
PWS6	MN28698				0.09%																					
S1	MN28318	27		0.85	0.13%	10	1.96	11		45			24									74				43
S2	MN28319	38		0.29	0.59%	14	0.15	11		80			48									130				58
S3	MN28320	25		0.56	0.44%	11	1.33	11		46			31									27				36
S4	MN28317	29		0.79	0.25%	16	1.63	12		56			33									72				44
S5	MN28679	39		0.92	0.08%	9	1.63	12		58			30									39				39
S6	MN28678	42		0.92	0.07%	9	1.56	11		63			14									29				28
S7	MN28677	33		0.50	0.06%	7	1.51	11		63			16									35				32
S8	MN28684	10		0.52	0.04%	11	0.56	18		40			32									59				58
S9	MN28336	7		0.13	0.05%	3	0.54	21		40			<2									<5				45
S10	MN28685	30		0.65	0.12%	10	2.15	12		74			32									61				71
S11	MN28687				2.69%																					
S12	MN28688				1.68%																					
S13	MN28686	23		0.37	30.00%	6	0.25	5		35			71									61				26
S13	MN28689				0.52%																					
S14	MN28690	9		1.41	29.01%	19	0.24	11		204			87									122				46
S15	MN28691				0.11%																					
S16	MN28328				0.17%																					
S17	MN28680				0.15%																					
S18	MN28323	22		0.62	0.09%	10	2.10	13		44			31									50				49
S19	MN28322				0.33%																					
S20	MN28330	25		1.18	0.14%	15	1.60	15		65			37									71				55
S21	MN28321				0.06%																					
S22	MN28327				2.48%																					
S23	MN28325				0.40%																					
S24	MN28306				0.11%																					
S25	MN28335				0.33%																					
S26	MN28675				0.12%																					
S27	MN28674				0.12%																					
S28	MN28672				0.13%																					
S29	MN28673				0.22%																					
S30	MN28334				0.22%																					
S31	MN28305				0.10%																					
S32	MN28307				30.28%																					
S32	MN28324				25.71%																					
S32	MN28360				0.98%																					
S32	MN28361				1.21%																					
S32	MN28362				4.34%																					

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Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Tl ppm	Tm ppm	Ua ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
MH13	AK19181B				<25							44	<20			120		
MH14	AK19183				<25							49	<20			111		
PWS1	MN28693	154	<5		40		0.36					118	<20	<5		112		21
PWS2	MN28692																	
PWS3	MN28694	84	<5		33		0.21					89	<20	<5		185		20
PWS3	MN28696	122	<5		<25		0.21					73	<20	<5		101		17
PWS4	MN28695																	
PWS5	MN28697	77	<5		<25		0.34					144	<20	<5		93		15
PWS6	MN28698																	
S1	MN28318	94	<5		43		0.36					127	<20	<5		48		32
S2	MN28319	127	<5		55		0.23					73	<20	26		469		29
S3	MN28320	113	<5		33		0.28					97	<20	<5		96		34
S4	MN28317	133	18		35		0.34					130	<20	<5		223		31
S5	MN28679	119	8		36		0.35					130	<20	8		79		63
S6	MN28678	102	<5		<25		0.40					147	<20	9		86		80
S7	MN28677	75	<5		35		0.34					130	<20	<5		75		38
S8	MN28684	86	<5		70		0.16					51	<20	<5		169		15
S9	MN28336	54	<5		<25		0.05					9	1292	<5		765		20
S10	MN28685	258	<5		41		0.70					267	<20	5		59		23
S11	MN28687																	
S12	MN28688																	
S13	MN28686	17	<5		<25		0.10					37	<20	<5		140		15
S13	MN28689																	
S14	MN28690	542	44		125		0.02					174	43	<5		39		19
S15	MN28691																	
S16	MN28328																	
S17	MN28680																	
S18	MN28323	136	<5		43		0.39					155	<20	<5		61		42
S19	MN28322																	
S20	MN28330	110	<5		54		0.58					258	<20	6		98		51
S21	MN28321																	
S22	MN28327																	
S23	MN28325																	
S24	MN28306																	
S25	MN28335																	
S26	MN28675																	
S27	MN28674																	
S28	MN28672																	
S29	MN28673																	
S30	MN28334																	
S31	MN28305																	
S32	MN28307																	
S32	MN28324																	
S32	MN28360																	
S32	MN28361																	
S32	MN28362																	

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no	Year	Property name	Location name	Sample type	Quad name	Quad no	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
S32	MN28363	92		Grewingk Glacier	Rock	Seldovia	C-3	6S 11W	36	Seward					
S32	MN28364	92		Grewingk Glacier	Rock	Seldovia	C-3	6S 11W	36	Seward					
S32	MN28365	92		Grewingk Glacier	Rock	Seldovia	C-3	6S 11W	36	Seward					
S33	MN28359	92		Grewingk Glacier	Rock	Seldovia	C-3	6S 11W	35	Seward					
T1	75AR44	91	Lacuna Sill	Lacuna Glacier	Select	Talkeetna	D-3	31N 12W	3	Seward	<0.5		3.28	998	131
T2	91ATi4A	91	Lacuna Sill	Lacuna Glacier	Select	Talkeetna	D-4	31N 12W	17	Seward	<0.5		1.63	203	31
T3	91JF215	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 19W	13	Seward	1.5			56	12
T3	91JF216	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 19W	13	Seward	<0.5			50	7
T3	91JF217	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 19W	13	Seward	1.3			46	7
T3	91JF218	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 19W	13	Seward	0.5			36	2
T4	91JF214	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 18W	18	Seward	<0.5		0.93	<5	8
T4	91JF219	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 18W	18	Seward	0.6			47	1
T4	91JF220	91	Shellabarger Stock	Shellabarger Pass	Grab	Talkeetna	C-6	28N 18W	18	Seward	0.7			42	3
T5	91ANS32	91	Shellabarger Stock	Yentna R	Select	Talkeetna	C-6	28N 18W	7	Seward	<0.5			8	
T6	91JF201A	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		9.37	36	12
T6	91JF201B	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		6.76	35	8
T6	91JF201C	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	0.6		7.39	60	16
T6	91JF201D	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		2.69	18	7
T6	91JF201E	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		3.19	125	8
T7	91JF203	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		3.81	33	5
T7	91JF204	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		6.48	40	33
T7	91JF205	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		2.96	42	5
T8	91JF207	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	9	Seward	<0.5		1.05	62	7
T8	91JF209	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	9	Seward	5.3		0.23	928	125
T9	91JF206	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	10	Seward	<0.5		2.43	220	99
T10	91JF210	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	15	Seward	0.6		0.60	115	7
T10	91JF211	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	15	Seward	<0.5		1.81	49	8
T10	91JF212	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	15	Seward	0.6		1.50	189	16
T10	91JF213	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	15	Seward	<0.5		1.12	191	62
T10	91JF221	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	C-5	28N 17W	15	Seward	1.0			137	8
T11	91UY10	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	B-5	28N 17W	29	Seward	<0.5			<5	2
T11	91UY12	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	B-5	28N 17W	29	Seward	<0.5			6	72
T11	91UY14	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	B-5	28N 17W	29	Seward	<0.5			45	13
T11	91UY9	91	Upper Yentna Pluton	Yentna R	Grab	Talkeetna	B-5	28N 17W	29	Seward	<0.5			28	2
T12	91JF222	91	Upper Yentna River	Yentna R	Grab	Talkeetna	B-5	28N 17W	23	Seward	<0.5			39	2
T13	91LY29	91	Lower Yentna Pluton	Yentna R	Grab	Talkeetna	B-5	28N 17W	36	Seward	<0.5			<5	58
T14	91JF224	91	East fork Pluton	Yentna R	Grab	Talkeetna	C-5	28N 15W	23	Seward	0.6			45	2
T15	91JF223	91	Fourth of July Stock	Fourth of July Cr	Select	Talkeetna	B-5	26N 17W	9	Seward	<0.5		2.83	<5	2
T16	91ANS44A	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	1	Seward	<0.5			10	
T17	91JF183	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	2	Seward	<0.5	140.59		49	19
T17	91JF184	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	2	Seward	<0.5		2.23	<5	4
T17	91JF185	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	2	Seward	2.7		2.17	2000	233
T18	91JF186	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	11	Seward	<0.5		5.77	16	3
T18	91JF188	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	11	Seward	<0.5		3.21	<5	2
T18	91JF189	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	11	Seward	<0.5		0.37	<5	1
T19	91JF182	91	Kohlsaat Pluton	Kichatna R	Select	Talkeetna	B-6	25N 19W	16	Seward	<0.5		5.15	27	9

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Au g/t	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
S32	MN28363																									
S32	MN28364																									
S32	MN28365																									
S33	MN28359																									
T1	75AR44		<5	780		0.01	<2		254	<2		<1					>10.00	663							0.02	<5
T2	91AT14A		15	<5		0.14	<2		167	19%		<1					7.57	164							0.11	<5
T3	91JF215		63	18			<2	8	14	50		491					2.35	<10							1.25	<5
T3	91JF216		81	22			<2	6	66	112		39					5.70	<10							0.35	<5
T3	91JF217		85	18			<2	6	20	17		339					3.91	11							1.65	<5
T3	91JF218		60	14			<2	9	16	41		47					4.55	<10							1.59	<5
T4	91JF214		205	<5			<2		47	190		489					7.54	<10							0.79	18
T4	91JF219		2000	21			<2	10	24	12		215					5.14	20							1.73	<5
T4	91JF220		345	16			<2	3	34	81		102					>10.00	14							1.79	<5
T5	91ANS32		992	12			<2		21	154		11					4.52	19								
T6	91JF201A		1844	6		6.76	<2		45	306		387					5.71	<10							2.01	15
T6	91JF201B		827	15		7.39	<2		47	533		62					5.19	<10							2.01	9
T6	91JF201C		739	8		2.69	<2		46	729		125					5.36	<10							1.71	21
T6	91JF201D		1208	9		3.19	<2		7	76		34					2.73	<10							1.58	21
T6	91JF201E		1558	<5		3.81	<2		11	107		48					2.84	<10							1.61	16
T7	91JF203		1093	<5		6.48	<2		29	444		37					4.35	<10							1.96	19
T7	91JF204		1048	9		2.96	<2		44	536		82					5.42	<10							2.52	11
T7	91JF205		83	13		2.43	<2		80	1679		8					6.92	<10							0.29	<5
T8	91JF207		1064	<5		0.23	<2		6	97		19					2.20	<10							1.64	13
T8	91JF209		1000	<5		0.60	<2		1	231		1446					2.84	<10							1.89	16
T9	91JF206		1114	<5		1.05	<2		6	116		17					0.99	<10							1.88	15
T10	91JF210		681	8		1.81	<2		16	139		31					4.98	20							1.01	36
T10	91JF211		833	<5		1.50	<2		13	238		62					2.93	<10							0.87	18
T10	91JF212		984	18		1.12	<2		6	127		61					2.59	20							1.30	29
T10	91JF213		1053	10		0.93	<2		5	121		39					2.55	17							1.83	20
T10	91JF221		1120	25			<2	4	26	248		17					4.72	22							1.20	21
T11	91UY10		886	9			<2	3	58	589		40					4.57	<10							1.52	9
T11	91UY12		1205	14			<2	3	70	647		39					4.64	<10							1.08	6
T11	91UY14		354	11			<2	4	51	675		51					4.28	<10							1.01	9
T11	91UY9		44	8			<2	1	17	571		2					1.21	<10							0.13	<5
T12	91JF222		700	<5			<2	2	11	235		21					3.18	<10							0.89	16
T13	91LY29		233	<5			<2	2	4	197		14					1.18	17							1.45	62
T14	91JF224		1023	10			<2	3	10	142		7					3.37	16							1.09	11
T15	91JF223		616	15		4.71	<2		66	821		30					5.53	<10							1.52	8
T16	91ANS44A		685	<5			<2		21	304		101					3.22	12								
T17	91JF183		1454	9		6.84	<2		36	818		29					5.57	12								14
T17	91JF184		972	12		0.26	<2		10	362		20					2.34	<10							0.81	11
T17	91JF185		693	<5		0.15	<2		7	269		19					2.80	<10							0.70	8
T18	91JF186		1005	12		3.53	<2		42	721		28					4.49	21							1.52	26
T18	91JF188		1025	8		1.97	<2		47	788		18					3.61	12							1.52	17
T18	91JF189		83	8		0.03	<2		1	300		3					0.39	<10							0.19	<5
T19	91JF182		1629	11		3.99	<2		21	498		47					4.67	18							1.62	16

APPENDIX - 1991-92 Sample Analytical Results.

	Sample	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	Os	P2O5	Pb	Pb	Pd	Pr	Pt	Rb	Re	Rh	Ru	Sb	Sc	Se	Sm	Sn
Map no.	no.	ppm	ppm	%	ppm	ppm	%	ppm	ppm	ppm	ppb	ppm	ppm	%	ppb	ppm	ppb	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	ppm
S32	MN28363				32.18%																					
S32	MN28364				0.70%																					
S32	MN28365				0.75%																					
S33	MN28359				0.73%																					
T1	75AR44	3		7.86	2487	13	0.06	<5		1075			7		7		26					2000				<20
T2	91ATI4A	2		>10.00	1497	8	0.29	<5		1819			6		<1		<5					203				24
T3	91JF215	5		1.91	371	6	7.74	13		17			<2		33		24					<5				<20
T3	91JF216	3		>10.00	1664	2	0.97	11		119			<2		35		26					14				<20
T3	91JF217	107		2.05	617	3	2.72	13		14			<2		18		17					<5				<20
T3	91JF218	5		2.56	623	5	5.19	16		12			<2		2		<5					9				<20
T4	91JF214	11		0.86	1350	8	2.04	7		63			<2		11		20					<5				<20
T4	91JF219	42		4.45	980	4	0.98	21		9			<2		<1		<5					<5				<20
T4	91JF220	6		1.14	936	8	6.21	11		44			<2		6		<5					12				22
T5	91ANS32	11			2078	2				52			22									<5				20
T6	91JF201A	77		6.50	767	2	0.83	15		250			<2		6		10					7				21
T6	91JF201B	21		9.92	760	<1	0.66	10		580			<2		8		15					<5				<20
T6	91JF201C	70		8.82	844	36	0.84	14		505			<2		8		21					<5				<20
T6	91JF201D	40		1.07	533	9	1.97	13		41			<2		3		14					<5				<20
T6	91JF201E	48		1.01	1663	5	2.22	17		47			<2		4		16					<5				<20
T7	91JF203	17		5.29	746	6	1.57	17		249			<2		4		19					<5				<20
T7	91JF204	58		9.25	732	2	0.84	13		532			<2		8		15					<5				<20
T7	91JF205	7		>10.00	1156	3	0.14	<5		1237			<2		7		22					<5				<20
T8	91JF207	64		0.76	483	2	2.02	17		36			<2		4		13					<5				<20
T8	91JF209	27		0.51	174	49	0.93	<5		17			<2		10		14					9				<20
T9	91JF206	16		0.83	318	1	1.97	17		48			<2		4		14					<5				<20
T10	91JF210	92		1.22	369	34	0.45	19		67			<2		5		20					20				<20
T10	91JF211	59		1.23	986	13	0.61	13		58			<2		5		8					<5				<20
T10	91JF212	45		0.73	466	10	2.11	28		26			<2		6		17					10				<20
T10	91JF213	39		0.74	521	5	2.14	24		29			<2		5		19					7				<20
T10	91JF221	35		4.70	805	6	1.27	20		210			<2		1		<5					13				<20
T11	91UY10	22		9.88	801	3	0.96	9		706			11		2		<5					12				<20
T11	91UY12	16		>10.00	933	<1	0.36	6		886			10		<1		<5					<5				<20
T11	91UY14	29		8.26	780	<1	1.11	6		598			20		4		<5					<5				<20
T11	91UY9	174		2.87	176	<1	0.07	<5		204			8		<1		<5					<5				<20
T12	91JF222	25		1.54	1275	4	0.66	10		96			<2		2		<5					5				<20
T13	91LY29	15		0.47	267	8	2.31	58		24			21		<1		<5					<5				<20
T14	91JF224	63		1.11	658	4	1.86	19		27			<2		1		<5					11				<20
T15	91JF223	14		>10.00	1063	6	0.84	7		673			14		2		<5					<5				<20
T16	91ANS44A	33			618	2				189			27									<5				<20
T17	91JF183	60		3.96	1557	<1	1.05	13		220			13		6		10					9				<20
T17	91JF184	37		0.86	394	1	0.72	6		75			9		2		6					<5				<20
T17	91JF185	47		0.81	544	1	0.94	5		33			3286		<1		<5					201				<20
T18	91JF186	52		6.64	816	66	1.98	16		385			28		3		<5					<5				<20
T18	91JF188	42		4.50	861	11	1.32	15		418			19		<1		<5					<5				<20
T18	91JF189	7		0.09	32	4	0.09	<5		16			6		<1		<5					<5				<20
T19	91JF182	36		2.13	1281	<1	1.85	18		63			20		87		11					<5				<20

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	Ua	U	V	W	Y	Yb	Zn	Zn	Zr
		ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
S32	MN28363																	
S32	MN28364																	
S32	MN28365																	
S33	MN28359																	
T1	75AR44	3	292		<25	0.05						216	<20	<5		603		<5
T2	91ATi4A	15	194		<25	0.03						158	<20	<5		318		<5
T3	91JF215	345	8		<25	0.12						49	<20	<5		49		7
T3	91JF216	176	114		<25	0.06						25	<20	<5		86		<5
T3	91JF217	106	69		<25	0.24						79	<20	<5		29		5
T3	91JF218	268	23		<25	0.25						80	<20	<5		56		15
T4	91JF214		56		<25	0.16						135	<20	16		66		26
T4	91JF219	693	47		<25	0.35						183	<20	<5		78		<5
T4	91JF220	113	47		<25	0.49						165	36	<5		52		<5
T5	91ANS32				<25							126	<20			80		
T6	91JF201A		47		<25	0.35						164	<20	14		195		28
T6	91JF201B		114		<25	0.29						145	<20	9		57		10
T6	91JF201C		91		<25	0.31						148	<20	13		159		28
T6	91JF201D		17		<25	0.43						60	<20	13		72		<5
T6	91JF201E		30		<25	0.36						96	<20	11		64		<5
T7	91JF203		82		<25	0.34						115	<20	13		74		20
T7	91JF204		67		<25	0.36						143	<20	11		65		14
T7	91JF205		92		<25	0.05						48	<20	<5		73		<5
T8	91JF207		26		<25	0.24						58	<20	9		74		18
T8	91JF209		9		<25	0.18						476	<20	10		58		36
T9	91JF206		23		<25	0.26						53	<20	11		25		17
T10	91JF210		30		<25	0.47						147	<20	18		145		5
T10	91JF211		101		<25	0.32						169	<20	15		145		<5
T10	91JF212		25		<25	0.37						52	<20	16		56		<5
T10	91JF213		<5		<25	0.35						53	<20	12		77		<5
T10	91JF221	528	45		<25	0.36						118	<20	15		80		50
T11	91UY10	392	<5		<25	0.19						94	<20	11		33		39
T11	91UY12	474	277		<25	0.19						88	<20	8		33		13
T11	91UY14	651	249		<25	0.18						99	<20	10		32		30
T11	91UY9	26	<5		<25	0.02						20	<20	<5		5		<5
T12	91JF222	55	11		<25	0.23						84	<20	10		108		25
T13	91LY29	207	507		<25	0.25						22	<20	24		6		87
T14	91JF224	377	12		<25	0.35						70	<20	9		75		<5
T15	91JF223		1032		<25	0.21						119	<20	12		37		28
T16	91ANS44A				<25							77	<20			44		
T17	91JF183	796	275		<25	0.42						161	<20	15		61		<5
T17	91JF184	60	156		<25	0.31						115	<20	7		51		10
T17	91JF185	64	206		<25	0.25						82	<20	7		29		<5
T18	91JF186	488	1733		<25	0.40						122	<20	18		51		15
T18	91JF188		2000		49	0.40						117	<20	12		44		<5
T18	91JF189		<5		<25	0.02						4	<20	<5		<2		<5
T19	91JF182	667	110		<25	0.43						122	<20	15		71		27

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Year	Property name	Location name	Sample type	Quad name	Quad no.	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
T20	91AM09A	91	Ptarmigan Stock	Happy R	Select	Talkeetna	A-6	24N 20W	33	Seward	<0.5			23	
T21	91AM07A	91	Ptarmigan Stock	Happy R	Select	Talkeetna	A-6	23N 20W	4	Seward	<0.5			7	
W1	VD28163	92		Trembley Cr.	Stream sed.	Wiseman	D-1	36N 11W	27	Fairbanks	1.0		3.25	57	
W2	VD28238	92		Pyramid Cr.	Rock	Wiseman	D-2	35N 14W	8	Fairbanks	1.9				
W3	VD28237	92		Pyramid Cr.	Stream sed.	Wiseman	D-2	35N 14W	8	Fairbanks	0.8		4.81	41	
W4	VD28239	92		Pyramid Cr.	Stream sed.	Wiseman	D-2	35N 14W	8	Fairbanks	<0.5		5.55	34	
W5	VD28240	92		Pyramid Cr.	Rock	Wiseman	D-2	35N 14W	17	Fairbanks	0.6				
W6	VD28241	92		Pyramid Cr.	Stream sed.	Wiseman	D-2	35N 14W	16	Fairbanks	<0.5		5.30	17	
W7	VD28236	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	23	Fairbanks	0.5				
W8	VD28234	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	25	Fairbanks	0.9		2.27	57	
W8	VD28235	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	25	Fairbanks	0.6		1.78	33	
W9	VD28233	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	25	Fairbanks	1.0				
W10	VD28231	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	25	Fairbanks	1.0		2.64	137	
W11	VD28230	92		Holmes Cr.	Stream sed.	Wiseman	D-2	35N 14W	25	Fairbanks	0.8		3.44	69	
W12	VD28229	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	25	Fairbanks	8.0				
W13	VD28741	92		Holmes Cr.	Stream sed.	Wiseman	D-2	35N 14W	36	Fairbanks	<0.5		3.07	62	
W14	VD28739	92		Holmes Cr.	Stream sed.	Wiseman	D-2	35N 14W	36	Fairbanks	<0.5		4.02	59	
W14	VD28740	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	36	Fairbanks	0.5				
W15	VD28737	92		Holmes Cr.	Rock	Wiseman	D-2	35N 14W	36	Fairbanks	0.5				
W15	VD28738	92		Holmes Cr.	Stream sed.	Wiseman	D-2	35N 14W	25	Fairbanks	<0.5		2.89	89	
W16	VD28242	92		N. Fk. Koyukuk R	Stream sed.	Wiseman	D-2	34N 14W	5	Fairbanks	<0.5		3.74	24	
W17	VD28243	92		N. Fk. Koyukuk R	Stream sed.	Wiseman	D-2	34N 14W	5	Fairbanks	<0.5		3.98	37	
W18	VD28244	92		N. Fk. Koyukuk R	Rock	Wiseman	D-2	34N 14W	5	Fairbanks	<0.5		2.80	<5	
W19	VD28245	92		N. Fk. Koyukuk R	Stream sed.	Wiseman	D-2	34N 14W	8	Fairbanks	<0.5		3.60	22	
W20	VD28708	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	9	Fairbanks	<0.5		2.83	34	
W21	VD28709	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks	0.4				
W22	VD28710	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks	0.9				
W23	VD28711	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks	0.8				
W24	VD28712	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks	1.8				
W25	VD28713	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	9	Fairbanks	<0.5		3.17	47	
W26	VD28714	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks		0.69	1.71	24	
W27	VD28715	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks	0.3				
W28	VD28716	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	9	Fairbanks	0.8				
W29	VD28717	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	16	Fairbanks	0.3				
W30	VD28718	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	16	Fairbanks	<0.5		2.57	24	
W30	VD28719	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	16	Fairbanks	<0.5		3.46	38	
W31	VD28721	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	16	Fairbanks	1.1				
W32	VD28720	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	16	Fairbanks	0.3				
W33	VD28722	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	16	Fairbanks	1.7		3.69	25	
W34	VD28723	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	21	Fairbanks	1.5				
W35	VD28724	92		Cladonia Cr.	Rock	Wiseman	D-3	34N 16W	21	Fairbanks	0.4				
W36	VD28725	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	21	Fairbanks	0.7		3.74	42	
W37	VD28726	92		Cladonia Cr.	Stream sed.	Wiseman	D-3	34N 16W	21	Fairbanks	<0.5		2.73	18	
W38	VD28727	92		Cladonia Cr.	Stream sed.	Wiseman	C-3	34N 16W	26	Fairbanks	<0.5		3.05	43	
W39	VD28728	92		Cladonia Cr.	Rock	Wiseman	C-3	34N 16W	26	Fairbanks	<0.1				
W40	VD28729	92		Cladonia Cr.	Rock	Wiseman	C-3	34N 16W	26	Fairbanks	0.3				

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Map no	Sample no	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
T20	91AM09A		999	<5			<2		18	750		30					3.49	13								
T21	91AM07A		974	6			<2		31	859		178					3.83	14								
W1	VD28163		1677	13		5.46	<2		23	66		82					3.34	23							0.83	11
W2	VD28238																									
W3	VD28237		826	22		0.77	<2		22	136		88					4.88	26							0.88	11
W4	VD28239		571	9		0.44	<2		23	146		78					5.16	26							0.89	7
W5	VD28240																									
W6	VD28241		578	8		0.37	<2		24	147		76					5.22	17							0.90	6
W7	VD28236																									
W8	VD28234		1101	9		0.13	<2		19	123		123					3.32	<10							0.62	<5
W8	VD28235		632	<5		0.05	<2		2	140		47					3.88	<10							0.61	<5
W9	VD28233																									
W10	VD28231		84	<5		1.39	9		35	114		259					6.93	<10							0.53	<5
W11	VD28230		1094	20		0.19	6		39	76		263					5.07	16							0.80	<5
W12	VD28229																									
W13	VD28741		1047	10		0.17	13		40	79		200					3.96	13							0.91	11
W14	VD28739		1270	9		0.23	13		51	91		293					5.51	19							1.16	9
W14	VD28740																									
W15	VD28737																									
W15	VD28738		1015	10		0.24	13		48	80		251					4.55	14							1.00	<5
W16	VD28242		703	<5		0.33	5		48	56		205					4.01	<10							0.77	22
W17	VD28243		667	<5		0.21	11		114	55		321					4.38	23							0.86	38
W18	VD28244		87	21		2.82	<2		43	29		182					8.44	20							0.24	<5
W19	VD28245		543	<5		0.19	4		45	52		273					4.45	<10							0.88	18
W20	VD28708		1096	11		0.24	<2		19	102		74					3.82	14							0.93	<5
W21	VD28709																									
W22	VD28710																									
W23	VD28711																									
W24	VD28712																									
W25	VD28713		780	<5		0.20	11		38	112		365					3.67	16							0.89	21
W26	VD28714		514	9		0.07	<2		2	24		14					2.88	<10							0.98	20
W27	VD28715																									
W28	VD28716																									
W29	VD28717																									
W30	VD28718		101	<5		0.04	18		78	57		1451					1.64	<10							0.78	9
W30	VD28719		729	15		0.17	19		43	112		225					3.69	16							0.79	11
W31	VD28721																									
W32	VD28720																									
W33	VD28722		218	15		0.07	<2		32	42		205					>10	17							0.95	26
W34	VD28723																									
W35	VD28724																									
W36	VD28725		712	12		0.17	43		104	113		329					3.63	16							0.94	13
W37	VD28726		531	6		0.17	<2		25	54		128					3.10	11							0.70	16
W38	VD28727		570	6		0.17	25		63	61		201					3.10	15							0.75	16
W39	VD28728																									
W40	VD28729																									

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Map no	Sample no	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
T20	91AM09A	45			748	<1				130			22									<5				<20
T21	91AM07A	44			769	5				336			25									<5				<20
W1	VD28163	40		2.55	792	7	0.59	8		121			8									27				<20
W2	VD28238																									
W3	VD28237	51		1.90	762	4	1.43	9		135			12									7				23
W4	VD28239	52		2.43	837	<1	1.58	9		148			<2									12				26
W5	VD28240																									
W6	VD28241	52		2.37	805	2	1.53	7		149			<2									6				25
W7	VD28236																									
W8	VD28234	28		0.73	607	8	0.67	<5		100			<2									16				<20
W8	VD28235	18		0.38	100	7	0.64	<5		60			<2									<5				<20
W9	VD28233																									
W10	VD28231	26		1.40	331	9	0.42	<5		482			7									18				<20
W11	VD28230	34		0.97	1377	10	0.86	<5		211			17									23				<20
W12	VD28229																									
W13	VD28741	31		0.99	1494	15	0.75	5		235			11									27				<20
W14	VD28739	40		1.23	2002	14	0.99	5		283			15									5				22
W14	VD28740																									
W15	VD28737																									
W15	VD28738	36		1.05	1896	15	0.87	<5		257			26									10				<20
W16	VD28242	27		1.27	1647	<1	1.02	<5		108			12									<5				<20
W17	VD28243	29		1.21	2764	4	0.93	6		138			15									7				<20
W18	VD28244	20		1.57	649	<1	3.40	<5		23			<2									<5				33
W19	VD28245	26		1.20	1457	<1	0.75	<5		105			12									16				<20
W20	VD28708	40		1.05	922	<1	0.98	6		95			<2									<5				22
W21	VD28709																									
W22	VD28710																									
W23	VD28711																									
W24	VD28712																									
W25	VD28713	37		1.30	1734	5	1.07	7		157			16									17				<20
W26	VD28714	37		0.95	256	<1	3.03	14		28			24									<5				<20
W27	VD28715																									
W28	VD28716																									
W29	VD28717																									
W30	VD28718	21		0.50	1650	3	0.62	<5		233			8									26				<20
W30	VD28719	35		1.32	2033	8	1.03	6		210			11									20				21
W31	VD28721																									
W32	VD28720																									
W33	VD28722	25		0.82	1101	7	0.98	7		65			20									7				29
W34	VD28723																									
W35	VD28724																									
W36	VD28725	35		1.26	5680	8	1.01	6		274			18									18				<20
W37	VD28726	23		1.15	1093	1	0.70	6		116			8									7				<20
W38	VD28727	29		1.12	3450	3	0.83	6		187			13									20				<20
W39	VD28728																									
W40	VD28729																									

APPENDIX - 1991-92 Sample Analytical Results.

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Te ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Uf ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
T20	91AM09A				<25							115	<20			53		
T21	91AM07A				<25							117	<20			55		
W1	VD28163	123	<5		<25		0.31					378	<20	5		1395		56
W2	VD28238											730						
W3	VD28237	77	<5		<25		0.46					326	<20	6		634		82
W4	VD28239	55	<5		<25		0.46					241	<20	6		341		66
W5	VD28240											141						
W6	VD28241	54	12		<25		0.44					244	<20	7		319		62
W7	VD28236											375						
W8	VD28234	31	<5		<25		0.23					428	<20	7		466		51
W8	VD28235	23	<5		<25		0.16					371	<20	<5		156		57
W9	VD28233											424						
W10	VD28231	40	8		<25		0.08					233	<20	15		1883		25
W11	VD28230	50	<5		<25		0.37					428	<20	11		2079		60
W12	VD28229											179						
W13	VD28741	36	10		<25		0.30					396	<20	11		2455		65
W14	VD28739	53	12		<25		0.42					478	<20	13		3203		71
W14	VD28740											341						
W15	VD28737											263						
W15	VD28738	42	<5		<25		0.36					380	<20	6		2791		56
W16	VD28242	46	22		<25		0.32					233	<20	17		1546		56
W17	VD28243	37	17		<25		0.31					252	<20	42		2156		64
W18	VD28244	66	<5		<25		1.11					391	<20	9		78		<5
W19	VD28245	32	<5		<25		0.26					170	<20	23		1688		53
W20	VD28708	32	<5		<25		0.40					235	<20	<5		497		47
W21	VD28709											253						
W22	VD28710											396						
W23	VD28711											409						
W24	VD28712											802						
W25	VD28713	40	<5		<25		0.35					279	<20	10		1990		61
W26	VD28714	34	<5		<25		0.27					65	<20	6		90		118
W27	VD28715											288						
W28	VD28716											302						
W29	VD28717											492						
W30	VD28718	14	<5		<25		0.19					180	<20	57		4380		38
W30	VD28719	38	<5		<25		0.34					329	<20	12		3346		74
W31	VD28721											229						
W32	VD28720											99						
W33	VD28722	34	<5		<25		0.20					276	<20	11		639		81
W34	VD28723											307						
W35	VD28724											71						
W36	VD28725	44	<5		<25		0.31					334	<20	23		6066		73
W37	VD28726	33	<5		<25		0.28					195	<20	9		1339		51
W38	VD28727	41	<5		<25		0.27					215	<20	16		4020		60
W39	VD28728											53						
W40	VD28729											98						

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Map no	Sample no	Year	Property name	Location name	Sample type	Quad name	Quad no	TWPRNG	Section	Meridian	Ag ppm	Ag g/ml	Al %	As ppm	Au ppb
W41	VD28730	92		Cladonia Cr.	Rock	Wiseman	C-3	34N 16W	26	Fairbanks	<0.1				
W42	VD28731	92		Cladonia Cr.	Rock	Wiseman	C-3	34N 16W	35	Fairbanks	1.2				
W43	VD28732	92		Cladonia Cr.	Rock	Wiseman	C-3	34N 16W	35	Fairbanks	0.5				
W44	VD28733	92		Cladonia Cr.	Stream sed.	Wiseman	C-3	34N 16W	36	Fairbanks	<0.5		3.17	20	
W45	VD28734	92		Cladonia Cr.	Rock	Wiseman	C-3	34N 16W	36	Fairbanks	<0.1				
W46	VD28735	92		Cladonia Cr.	Rock	Wiseman	C-3	33N 16W	1	Fairbanks	1.3				
W47	VD28736	92		Cladonia Cr.	Stream sed.	Wiseman	C-3	33N 16W	1	Fairbanks	<0.5		2.64	33	
W48	MN28184	92		Mathews Dome	Rock	Wiseman	B-3	30N 18W	12	Fairbanks					
W49	VD28181	92		Bullrun Cr.	Rock	Wiseman	D-2	29N 19W	21	Fairbanks					
W49	VD28182	92		Bullrun Cr.	Rock	Wiseman	D-2	29N 19W	21	Fairbanks					
W50	VD28183	92		Bullrun Cr.	Rock	Wiseman	D-2	29N 19W	16	Fairbanks					
W51	MN28177	92		Twoday Mtn	Stream sed.	Wiseman	B-3	29N 18W	13	Fairbanks					
W52	MN28176	92		Twoday Mtn	Stream sed.	Wiseman	B-3	29N 18W	24	Fairbanks					
W53	MN28175	92		Twoday Mtn	Stream sed.	Wiseman	B-4	29N 18W	22	Fairbanks					
W54	MN28174	92		Twoday Mtn	Stream sed.	Wiseman	B-4	29N 18W	22	Fairbanks					
W55	MN28173	92		Twoday Mtn	Stream sed.	Wiseman	B-4	29N 18W	27	Fairbanks					
W56	MN28172	92		Twoday Mtn	Stream sed.	Wiseman	B-4	29N 18W	34	Fairbanks					
W57	MN28180	92		Midas Cr	Stream sed.	Wiseman	A-5	28N 21W	19	Fairbanks					
W58	MN28178	92		Midas Cr	Rock	Wiseman	A-5	28N 21W	19	Fairbanks					
W59	MN28179	92		Midas Cr	Stream sed.	Wiseman	A-5	28N 21W	19	Fairbanks					
W60	MN28201	92		Rosie Cr. Pass	Rock	Wiseman	A-1	27N 12W	14	Fairbanks					
W61	MN28200	92		Rosie Cr. Pass	Rock	Wiseman	A-1	27N 12W	13	Fairbanks					
W62	MN28195	92		Cathedral Mtn	Rock	Wiseman	A-1	27N 12W	8	Fairbanks					
W62	MN28196	92		Cathedral Mtn	Rock	Wiseman	A-1	27N 12W	8	Fairbanks					
W63	MN28197	92		Cathedral Mtn	Rock	Wiseman	A-1	27N 12W	17	Fairbanks					
W63	MN28198	92		Cathedral Mtn	Rock	Wiseman	A-1	27N 12W	17	Fairbanks					
W64	MN28194	92		Cathedral Mtn	Rock	Wiseman	A-1	27N 12W	18	Fairbanks					
W65	MN28193	92		Cathedral Mtn	Rock	Wiseman	A-1	27N 12W	19	Fairbanks					
W66	MN28192	92		Twelvemile Mtn	Stream sed.	Wiseman	A-1	27N 13W	28	Fairbanks					
W67	MN28191	92		Twelvemile Mtn	Rock	Wiseman	A-1	27N 13W	28	Fairbanks					
W68	MN28190	92		Twelvemile Mtn	Stream sed.	Wiseman	A-1	27N 13W	29	Fairbanks					
W69	MN28707	92		Twelvemile Mtn.	Rock	Wiseman	A-1	27S 13W	20	Fairbanks					
W70	MN28706	92		Twelvemile Mtn.	Rock	Wiseman	A-1	27S 13W	20	Fairbanks					
W71	MN28705	92		Twelvemile Mtn.	Rock	Wiseman	A-1	27S 13W	20	Fairbanks					
W72	MN28703	92		Twelvemile Mtn.	Rock	Wiseman	A-1	27S 13W	19	Fairbanks					
W72	MN28704	92		Twelvemile Mtn.	Rock	Wiseman	A-1	27S 13W	19	Fairbanks					
W73	MN28185	92		Twelvemile Mtn	Stream sed.	Wiseman	A-1	27N 13W	30	Fairbanks					
W74	MN28186	92		Twelvemile Mtn	Rock	Wiseman	A-1	27N 13W	30	Fairbanks					
W74	MN28187	92		Twelvemile Mtn	Rock	Wiseman	A-1	27N 13W	30	Fairbanks					
W75	MN28188	92		Twelvemile Mtn	Rock	Wiseman	A-1	27N 13W	30	Fairbanks					
W76	MN28189	92		Twelvemile Mtn	Rock	Wiseman	A-1	27N 13W	30	Fairbanks					
W77	MN28207	92		Alatna Hills	Rock	Wiseman	A-6	26N 24W	20	Fairbanks					
W78	MN28206	92		Alatna Hills	Rock	Wiseman	A-6	26N 24W	20	Fairbanks					

APPENDIX - 1991-92 Sample Analytical Results.

Map no	Sample no.	Au g/mt	Ba ppm	Bi ppm	Br ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Cu %	Dy ppm	Er ppm	Eu ppm	Fe %	Ga ppm	Gd ppm	Ge ppm	Hf ppm	Ho ppm	In ppm	Ir ppb	K %	La ppm
W41	VD28730																									
W42	VD28731																									
W43	VD28732																									
W44	VD28733		602	<5		0.16	22		52	63		191					3.12	<10							0.72	27
W45	VD28734																									
W46	VD28735																									
W47	VD28736		559	10		0.15	16		61	64		216					4.12	<10							0.77	12
W48	MN28184																									
W49	VD28181																									
W49	VD28182																									
W50	VD28183																									
W51	MN28177								16																	
W52	MN28176								15																	
W53	MN28175								18																	
W54	MN28174								15																	
W55	MN28173								20																	
W56	MN28172								19																	
W57	MN28180								7																	
W58	MN28178								18																	
W59	MN28179								8																	
W60	MN28201																									
W61	MN28200																									
W62	MN28195																									
W62	MN28196																									
W63	MN28197																									
W63	MN28198																									
W64	MN28194																									
W65	MN28193																									
W66	MN28192																									
W67	MN28191																									
W68	MN28190																									
W69	MN28707																									
W70	MN28706																									
W71	MN28705																									
W72	MN28703																									
W72	MN28704																									
W73	MN28185																									
W74	MN28186																									
W74	MN28187																									
W75	MN28188																									
W76	MN28189																									
W77	MN28207																									
W78	MN28206																									

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Li ppm	Lu ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Nd ppm	Ni ppm	Os ppb	P2O5 ppm	Pb ppm	Pb %	Pd ppb	Pr ppm	Pt ppb	Rb ppm	Re ppm	Rh ppb	Ru ppb	Sb ppm	Sc ppm	Se ppm	Sm ppm	Sn ppm
W41	VD28730																									
W42	VD28731																									
W43	VD28732																									
W44	VD28733	28		1.11	2736	4	0.85	6		176			15									6				<20
W45	VD28734																									
W46	VD28735																									
W47	VD28736	27		1.05	2892	4	0.80	6		185			6									<5				<20
W48	MN28184																									
W49	VD28181																									
W49	VD28182																									
W50	VD28183																									
W51	MN28177				2020																					
W52	MN28176				2885																					
W53	MN28175				1695																					
W54	MN28174				2442																					
W55	MN28173				1516																					
W56	MN28172				802																					
W57	MN28180				855																					
W58	MN28178				988																					
W59	MN28179				613																					
W60	MN28201				9.83%																					
W61	MN28200				2.42%																					
W62	MN28195				2.06%																					
W62	MN28196				0.02%																					
W63	MN28197				25.98%																					
W63	MN28198				7.98%																					
W64	MN28194				0.17%																					
W65	MN28193				0.19%																					
W66	MN28192				0.09%																					
W67	MN28191				0.16%																					
W68	MN28190				0.09%																					
W69	MN28707				0.36%																					
W70	MN28706				0.14%																					
W71	MN28705				0.16%																					
W72	MN28703				0.15%																					
W72	MN28704				0.17%																					
W73	MN28185				0.14%																					
W74	MN28186				0.16%																					
W74	MN28187				0.15%																					
W75	MN28188				0.19%																					
W76	MN28189				0.36%																					
W77	MN28207				1.80%																					
W78	MN28206				0.21%																					

APPENDIX - 1991-92 Sample Analytical Results

Map no.	Sample no.	Sr ppm	Ta ppm	Tb ppm	Tc ppm	Th ppm	Ti %	Ti ppm	Tm ppm	Ua ppm	U ppm	V ppm	W ppm	Y ppm	Yb ppm	Zn ppm	Zn %	Zr ppm
W41	VD28730											79						
W42	VD28731											526						
W43	VD28732											471						
W44	VD28733	37	<5		<25		0.28					231	<20	16		3992		59
W45	VD28734											64						
W46	VD28735											707						
W47	VD28736	37	<5		<25		0.27					237	<20	14		3337		55
W48	MN28184																	
W49	VD28181											0.10%						
W49	VD28182											<100						
W50	VD28183											0.05%						
W51	MN28177																	
W52	MN28176																	
W53	MN28175																	
W54	MN28174																	
W55	MN28173																	
W56	MN28172																	
W57	MN28180																	
W58	MN28178																	
W59	MN28179																	
W60	MN28201																	
W61	MN28200																	
W62	MN28195																	
W62	MN28196																	
W63	MN28197																	
W63	MN28198																	
W64	MN28194																	
W65	MN28193																	
W66	MN28192																	
W67	MN28191																	
W68	MN28190																	
W69	MN28707																	
W70	MN28706																	
W71	MN28705																	
W72	MN28703																	
W72	MN28704																	
W73	MN28185																	
W74	MN28186																	
W74	MN28187																	
W75	MN28188																	
W76	MN28189																	
W77	MN28207																	
W78	MN28206																	