# RESULTS OF 1988 BUREAU OF MINES INVESTIGATIONS IN THE VALDEZ CREEK MINING DISTRICT, ALASKA

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UNIT OF MEASURE ABBREVIATIONS USED IN THIS REPORT

| | |
|---|---|
| ° | degrees |
| % | percent |
| F | Fahrenheit |
| ft | feet, foot |
| $ft^2$ | square feet |
| $ft^3$ | cubic feet |
| gm | gram |
| in. | inch, inches |
| lb | pound |
| oz | troy ounce |
| oz/cy | troy ounces per cubic yard (used in appendix B) |
| oz/st | troy ounce per short ton |
| $oz/yd^3$ | troy ounces per cubic yard |
| ppb | parts per billion |
| ppm | parts per million |
| st | short ton |
| $yd^3$ | cubic yard |

# RESULTS OF 1988 BUREAU OF MINES INVESTIGATIONS IN THE VALDEZ CREEK MINING DISTRICT, ALASKA

by Michael D. Balen[1]

## ABSTRACT

The U.S. Bureau of Mines (Bureau) is currently conducting a four-year study to assess the mineral resources and the mineral development potential of the 5.7 million acre Valdez Creek Mining District (VCMD) located in southcentral Alaska. The VCMD study is part of the Bureau's ongoing statewide mining district evaluation program. This report is a summary of the 1988 field work. The field work involved collection of reconnaissance placer and rock samples, and also involved sampling and examination of the mines, prospects, and mineral occurrences which were identified by literature research of the geology, exploration history, and mining history of the district. During the 1988 field season, Bureau personnel spent a total of 11 weeks in the field, collected 1,006 rock and placer samples, and located, mapped, and sampled 106 of the known mineral occurrences. The Bureau has visited 243 of the 250 known mineral occurrences during the course of the VCMD project.

Reconnaissance sampling for placer occurrences resulted in the identification of 4 previously unreported gold placer occurrences, and identification of 5 occurrences that contain detectable levels of platinum or palladium.

Reconnaissance sampling for lode sources of base and precious metals resulted in the identification of 5 new lode gold-silver occurrences, identification of 2 occurrences that contain elevated quantities of chromium, cobalt, nickel, palladium, and platinum, and identification of one occurrence that contains elevated quantities of copper, molybdenum, and zinc.

## INTRODUCTION

In 1987, the Bureau of Mines (Bureau) initiated the Valdez Creek Mining District (VCMD) investigation in order to evaluate the mineral development potential of that portion of Alaska (fig. 1). The ultimate objectives of this investigation are to identify the mineral resources of the VCMD, perform theoretical mining feasibility studies of mines designed for application to the type of deposits that occur in the VCMD, study the application of modern beneficiation technologies on known deposits, and perform a probabilistic mineral resource and economic assessment of the mining district. This investigation is a cooperative effort involving the Bureau and the Alaska Division of Geological and Geophysical Surveys (DGGS).

In 1988, the Bureau conducted both reconnaissance sampling of large portions of the district, and detailed examinations of selected mines,

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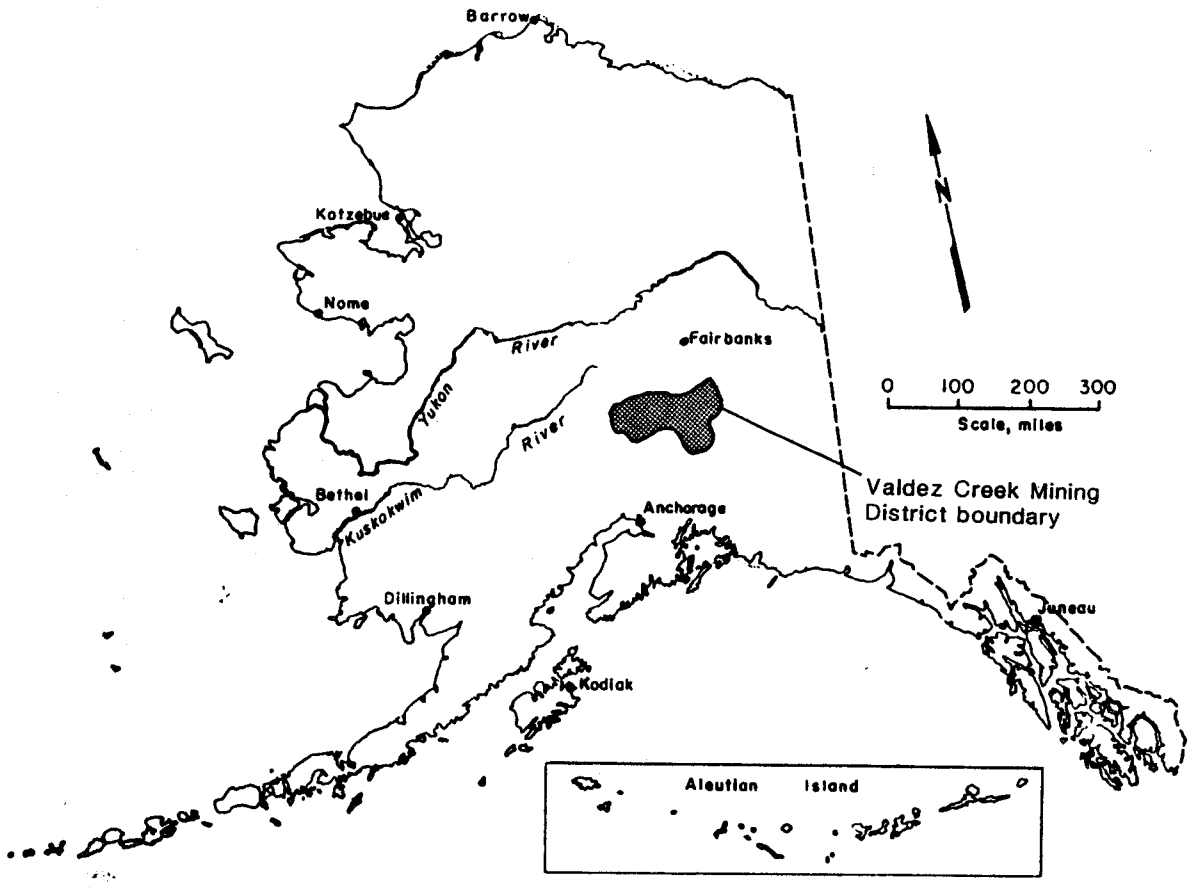


Figure 1.--Index map of Alaska showing the Valdez Creek Mining District

prospects, and mineral occurrences in the VCMD. This report summarizes the work done during 1988 and is the second in a series of three summary reports covering the Bureau's VCMD field work. These reports will be published annually during the course of the four-year investigation.

## ACCESS

Portions of the VCMD are accessible from the Parks, Denali, and Glenn Highways, which are the major roads in the district. In addition to the major roads, there are poorly maintained mining roads and hunting trails that provide limited access to some back-country areas for 4-wheel drive or off-road vehicles. The most practical method of access to most of the VCMD is by helicopter or small fixed wing aircraft. Access by shallow draft boat is possible on some of the larger rivers such as the Susitna, Chulitna, and Maclaren Rivers. The Alaska Railroad provides access to the western portion of the district via the rail line which runs between Anchorage and Fairbanks.

## PHYSIOGRAPHY

The VCMD is located in the central portion of the state and is geographically defined by the limits of the Susitna drainage basin for that portion of the drainage basin upstream from the Talkeetna River confluence. The area is bounded on the north by the crest of the Alaska Range, on the west by the Mt. McKinley massif, on the south by the Talkeetna Mountains, and on the east by the divide that separates the Copper River drainage basin from the Susitna drainage basin (fig 2).

The geography of the area varies from lowlands dominated by periglacial landforms, to the rugged glaciated mountains of the Alaska Range.

Vegetation in the lower elevations includes extensive stands of black and white spruce, cottonwood, and birch, with an undergrowth of willow, alder, and sphagnum moss. Stands of white spruce and alder with a ground cover of tundra vegetation grow on the upper slopes. Stunted spruce and birch are found up to treeline, which ranges from 2,500 to 3,000 ft elevation. Only stunted alpine vegetation and lichen grow above treeline.

The climate of the area is cool, with cloudy, rainy summers and cold winters. Talkeetna, located at an elevation of 345 ft in the southern portion of the study area, has an average January temperature of 8°F and an average July temperature of 58°F. Yearly precipitation at Talkeetna totals 28 in., with a mean annual snowfall of 107 in. Broad Pass is located 80 airline miles north of Talkeetna at an elevation of 2345 ft. The average January temperature is 1°F, and average July temperature is 52°F. Precipitation at Broad Pass averages 20 in., with a mean annual snowfall of 121 in.

The VCMD is sparsely populated, with the majority of the people living along the Parks Highway. Talkeetna is the largest settlement within the study area and has a population of 269. Cantwell is the second largest population center with about 150 residents. Presently, the Valdez Creek Mining Company camp, with a year-round population of about 100 persons, represents the third largest settlement in the district. The only other significant population center is located at Lake Louise, where less than 100 people reside year-round.

## LAND STATUS

The VCMD includes federal, state, and private land holdings. A generalized land status map is shown as figure 2. Current land status for specific areas can most accurately be determined by reviewing the Master Title Plats at the Bureau of Land Management (BLM). Federal lands fall under the administration of the BLM and the National Park Service (NPS); State lands are administered by the Department of Natural Resources (DNR), Division of Lands.


## ACKNOWLEDGMENTS

The author gratefully acknowledges the expertise contributed to the VCMD project by DGGS geologists Thomas E. Smith and Gar Pessel who assisted with their wide-ranging knowledge of the geology of the Clearwater Mountains; geologist Tom Bundtzen, who examined the geology of many of the mineral occurrences; geologist Dick Reger, who studied the Quaternary geology of much of the district; geochemist Milt Wiltse, who conducted an orientation geochemical soil survey of the Gold Hill-Lucky Hill area; and geologists Karen Clautice and Diana Solie, who conducted geologic mapping and geochemical sampling of the Clearwater Mountains area.

The author also wishes to thank local geologists, prospectors and miners, including Howard and Ed Lightfoot, Claude Morris, Joe Malatesta, Lyle Beecroft, Stan and Harry Kindblade, Kevin Thompson, Lee Estes, Frank Celizic, Bob Titchemal, John Holmgren, Paul Lindberg, John Galey, Jr., Bill Elim, Robert Dupere, A. L. Renshaw, Jr., Angel Vidal, John Dewan, Bill Strauss, Daryl Pelke, Earl Sikes, Danny Thomas, John Jacobsen, Gerald Anderson, Henry Peters, and Jake Tansey for sharing their specialized knowledge of the local geology and mineralization and for providing access to their mining claims. The staff of the Valdez Creek Mining Co. provided the Bureau access to their operation on Valdez Creek. Wallace Toupe of Nerco Minerals Inc. conducted a tour of, and provided geological information about the Zackly Prospect. Chuck Hawley of Golden Zone Developments Ltd., provided access to the Golden Zone Mine.


## PREVIOUS STUDIES

Numerous mineral studies have been conducted in the Valdez Creek Mining District by the U.S. Geological Survey (USGS), Alaska Territorial Department of Mines (TDM), DGGS, Bureau, private companies, and by graduate students from various universities.

Brooks, of the USGS, first reported on the district as early as 1908 (27)[2]. Since that time, Brooks (20-34), Capps (39-46), Cobb (55-69), Csejtey (72-77), Curtin (78-84), Hawley (102-110), Miller (152-164), Moffit (165-170), Nockleberg (173-180), P. S. Smith (219-236), T. E. Smith (238-252), and many other authors have written reports on the area. Alaska Mineral Resource Assessment Program (AMRAP) studies were published on the Talkeetna Mountains Quadrangle in 1978 (73, 75-76, 136, 152-163, 253-254) and on the Talkeetna Quadrangle in 1978 (78-84, 136, 172, 185-188, 261).

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[2]Numbers in parentheses refer to the references found in the bibliography preceding the appendices.

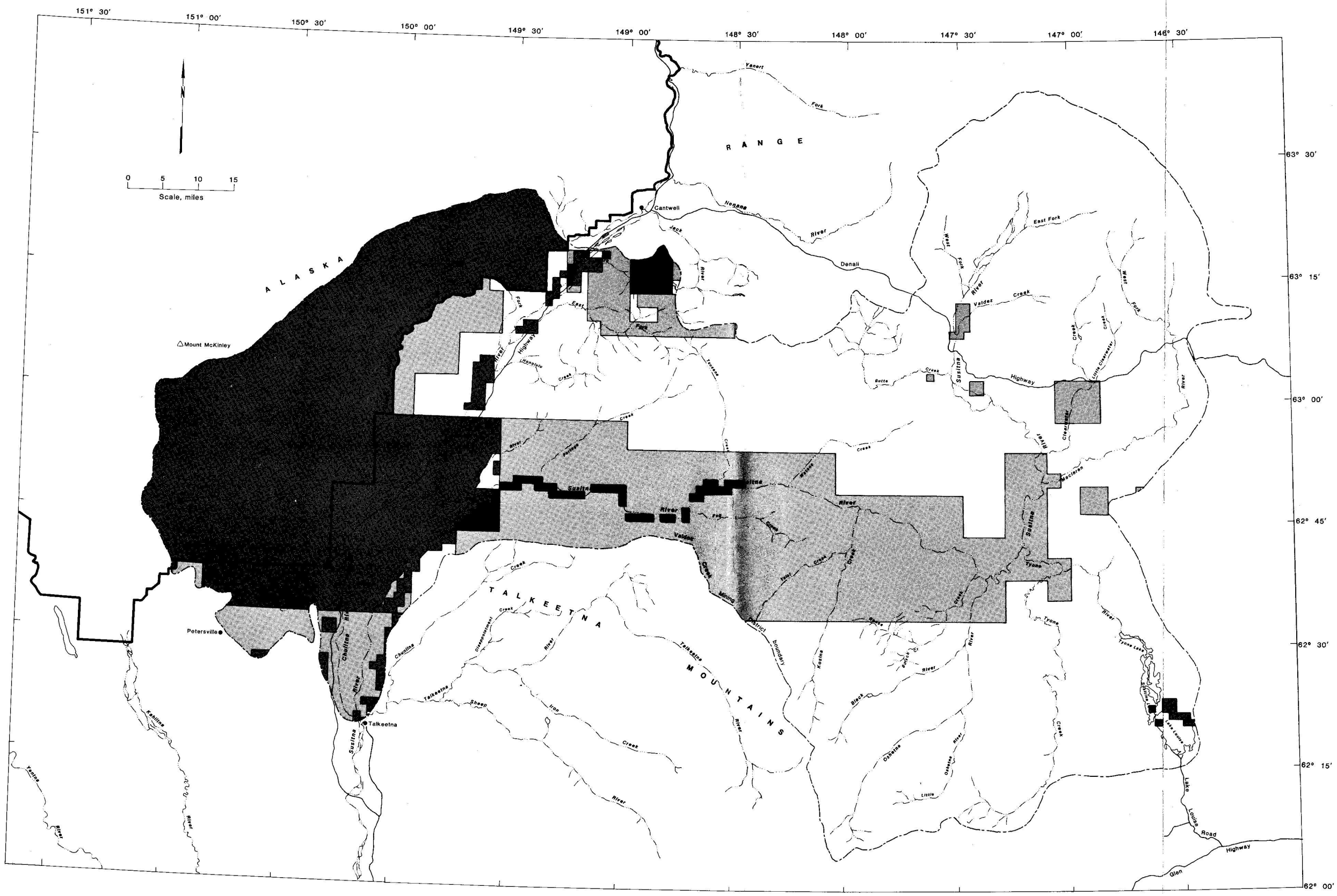


FIGURE 2. --Land Status Map for The Valdez Creek Mining District, Alaska (18)

The TDM began producing reports on the area as early as 1918. TDM reports include those by Jasper (119-123), Joesting (124-127), and others (12, 85, 116-117, 145, 206-210, 216-217, 259, 271, 280). The DGGS began writing reports on the area in 1964, and DGGS has since published relevant reports by Bundtzen (35-38), T. E. Smith (239-242, 244-250, 252), and others (1, 7, 54, 86-87, 93, 101, 112-113, 137, 192-193, 197, 200, 211, 256, 258, 264).

The Bureau has written several reports concerning the VCMD, including those by Kurtak (139), Meyer (151), Mulligan (171), Rutledge (203-204), Wells (275), and others (47, 103, 183, 205, 212, 237, 265-266, 272).

Several private reports have been produced on the area, including those by Renshaw (190-191), Salisbury and Dietz (205), and Thurow (260).

Post graduate theses and dissertations concerning the area have been written by Ford (91), Glavinovich (94), Herzberg (111), Smith (238), and Stevens (255).

## EXPLORATION AND MINING HISTORY

Geologic and topographic surveys have been made in the VCMD and the surrounding area by many parties and individuals. The earliest documented exploration was accomplished by W. G. Jack who explored for gold in the upper Susitna River headwaters in 1897 (88). In 1898, a USGS team headed by George Eldridge and Robert Muldrow led a party of surveyors through Broad Pass by way of the Susitna, Indian, and Chulitna Rivers (8). The Eldridge-Muldrow team is given credit for the discovery of Broad Pass.

The first documented mineral discovery in the district occurred on August 15, 1903, when a party led by Peter Monahan discovered placer gold in the gravel deposits on Galina Creek. Monahan renamed this creek Valdez Creek after the town of Valdez (27, 30, 164-165). The mines which subsequently developed on this creek have become the largest producers of placer gold in the district (table 1). The Valdez

TABLE 1. - Mineral production of the Valdez Creek Mining District, Alaska, through 1988.

| Mine | Gold oz | Silver oz | Copper lbs | Lead lbs | Coal st | Production years |
|---|---|---|---|---|---|---|
| Valdez Creek placer. | 212,018 | NP | NA | NA | NA | 1903-1988 |
| White Creek placer.. | 484 | NP | NA | NA | NA | up to 1931 |
| Canyon Creek placer. | 9 | 1 | NA | NA | NA | up to 1920 |
| Golden Zone Mine.... | 1,581 | 8,617 | 40,648 | 2,976 | NA | 1911-1942 |
| Dunkle Coal Mine.... | NA | NA | NA | NA | 64,000 | 1940-1954 |
| Total..... | 214,092 | 8,618 | 40,648 | 2,976 | 64,000 | |

NP No production records
NA Not applicable

Creek placer gold discovery sparked an influx of prospectors to the area during the succeeding years. The result of this small gold rush was that several lode gold deposits, including both the Timberline and Black Creek lodes, were discovered around 1906 (167, 201).

During the summer of 1906, Adolph Knopf and T. G. Gerdine working for the USGS, performed a topographic survey in the headwater regions of the Nelchina, Little Nelchina, and Oshetna Rivers (182). Sidney

Paige and R. H. Sargent (also with the USGS), later extended Knopfs' work westward into the Talkeetna River drainage (166).

In 1907, the first significant mineral discovery west of Broad Pass was made by John Coffee on Bryn Mawr Creek (43). Bryn Mawr Creek drains the area around an arsenical gold-silver deposit known as the Golden Zone Mine. The Golden Zone Mine is the only deposit in the district (table 1) with recorded lode metal production.

In 1910, the USGS sent the team of J. W. Bagley, D. C. Witherspoon, and C. E. Giffin on a topographic survey to map the headwater regions of the Gulkana and Susitna Rivers (166). A USGS geologic survey of the same area was conducted concurrently by F. H. Moffit and B. L. Johnson (170). Moffit and J. E. Pogue extended the Moffit-Johnson geologic survey of 1910 into the Broad Pass region in 1914 (165, 169), and Moffit and Bagley completed geologic and topographic surveys of the Broad Pass region in 1913 (29, 48).

In 1913, a gold rush was started into the Nelchina and Oshetna River drainages by the report of a gold discovery on Albert Creek, a tributary to the Nelchina River (48).

Lode copper deposits in the Maclaren River area were discovered in 1918. Although several copper deposits have undergone significant development work, notably the Denali Prospect and the Kathleen Margaret Lode, none have recorded production.

The Dunkle Coal Mine, located just east of the Golden Zone Mine, produced 64,000 tons of coal between 1940 and 1954 (table 1).

In 1984, placer gold prospecting and mining activity on Valdez Creek and its tributaries increased with the start-up of the Valdez Creek Mining Company's large scale open pit operation. Today the Valdez Creek Mine is one of the largest placer gold mines in the United States. Gold production from this mine over the past five years has been several times greater than the total previous production for the entire VCMD.

Minor lode gold mining was observed by Bureau personnel on Black Creek (a tributary to Valdez Creek) in 1984, and development work was observed there by the Bureau in 1987 and 1988.

Surface drilling, trenching, and underground development work began at the Golden Zone Mine in 1980 and continued through 1988.

## BUREAU INVESTIGATION

Bureau personnel spent 11 weeks during the summer of 1988 performing ground and helicopter supported field work in the VCMD. The Bureau's investigation was founded on a data base containing information on the geology, exploration history, mining history, and locations of documented mines, prospects, and mineral occurrences in the district. The data base was created from published and unpublished literature concerning the VCMD and surrounding area. The data base contains geologic, mineralogic, geochemical, and/or mining engineering information on approximately 250 documented mineral occurrences in the district. During the 1988 field season, 106 of the known mineral occurrences were located, mapped, and sampled (appendix A, fig. 3). The Bureau has visited 243 of the 250 known mineral occurrences during the course of the VCMD project. Data for the other mineral occurrences that have been visited by the Bureau as a part of the VCMD investigation are presented in Bureau OFR 43-88 (139).

## SAMPLING

The Bureau's investigations included reconnaissance placer and rock sampling, as well as examination and sampling of the mines, prospects, and mineral occurrences which exist in the district.

Reconnaissance sampling procedures involved collection of placer and rock samples from those regions in the VCMD where little historical information exists about the geology or mineral occurrences. Sampling and examination of the mines, prospects, and mineral occurrences involved geologic mapping of the occurrences and/or the collection of rock, placer, bulk rock and bulk placer samples. These sample types are described below.

Rock samples consisted of fresh, altered, and/or mineralized material and were collected from outcrop, rubble crop, underground workings, or float, in/or proximal to mineral occurrences or apparent mineral occurrences. The rock samples collected were of seven types: 1) continuous chip - small rock fragments broken in a continuous line for a measured distance across an exposure; 2) channel - fragments and dust from a channel of uniform width and depth cut across an exposure of mineralized rock; 3) random chip sample - collected at random points from an apparently homogeneous mineralized exposure; 4) spaced chip - collected in a line at designated intervals across an exposure; 5) representative chip - sample volume collected in proportion to volume of different rock types observed at a specific locality; 6) select - collected from the highest grade portion of a mineralized zone; and 7) grab - collected more or less at random from outcrop, dump, or float.

Placer samples were collected from river bars, flood plains, alluvial fans, colluvial fans, or benches. The samples were taken in areas having known placer gold and/or platinum, as well as in those areas with no previously reported precious metal occurrences. Samples were collected by sluicing approximately 0.1 $yd^3$ of stream or bank gravel through a 10 x 48-in. sluice box. The concentrates collected in the sluice box were then panned down to produce approximately 75 gm of concentrate. Visible gold was recovered from the concentrate by gravity concentration and then weighed; the remaining concentrates were analyzed for the elements listed in table B1.

Bulk rock samples were collected from several different mineral occurrences in the study area. The samples were collected from portions of the deposit which were considered to be generally representative of the ore type. Bulk rock samples weighed between 300 and 1000 lbs, and were sent to the Bureau's Salt Lake City Research Center for metallurgical and beneficiation testing.

Bulk placer samples were collected from two different sites in the Valdez Creek drainage. The material sampled represented a portion of the placer deposit which at that time was considered ore. Bulk placer samples weighed approximately 900 pounds. The material was dried, screened to various material size fractions, and weighed to determine the material size fraction weight distributions. The free gold was then recovered by either sluicing, panning, or using a spiral concentrator, depending on the material size fraction, to determine the size distribution of the gold in the deposit.

## ANALYTICAL PROCEDURES

During the 1988 field investigation of the VCMD, the Bureau

collected 1,006 placer and rock samples. Analytical procedures for the placer samples involved gravimetric recovery and weighing of the visible gold and/or platinum, grinding the remaining concentrate to 100% -140 mesh, and performing an inductively coupled plasma (ICP) spectroscopic analysis to determine the elemental composition of the concentrates. Further analysis by atomic fluorescence spectroscopy (AFS) was performed to determine the quantity of gold, platinum, and/or palladium contained in the placer concentrates[3]. Rock samples were ground to 100% -140 mesh and geochemically analyzed by ICP spectroscopy. Any sample that contained visible quantities of minerals composed of either gold, silver, PGM, copper, lead, zinc, or antimony elements had fire assay and/or atomic absorption analyses performed for those elements. The detection limits for the elements that were analyzed by ICP, AFS, and fire assay methods are listed in table B1.

## RESULTS

This report presents the findings of the field investigations which were completed during the 1988 season; it is not a comprehensive or conclusive discussion of the entire VCMD project.

The locations of mineral properties examined during the 1988 field season are shown on figure 3. Sample locations are represented by map numbers on figure 4. Appendix A correlates the name of mineral properties with map numbers, and also lists information on the U.S. public land survey location, deposit type, mineral commodities, and recorded production for each property. The map numbers are cross referenced with actual sample numbers in the analytical results (appendix B). Appendix B also contains information about the type of sampling method used during the collection of each sample, ie. grab, select, channel, placer, etc.

In the discussion below, sample results are referred to by sample location, sample number, and map number. Sample location refers to the actual geographic location or property name where a sample was collected in the field. Sample number refers to the number that was assigned to a sample when it was collected in the field. Map number refers to the numbering system used on figure 4, that is used to graphically represent the locations of samples. Some map numbers represent more than one sample number due to tight sample spacing in the field.

### Reconnaissance Sampling

Reconnaissance sampling procedures involved collection of placer and rock samples from those regions in the VCMD where little historical information exists about the geology or mineral occurrences. Therefore, any sample that was not collected from a documented mine, prospect, or mineral occurrence was considered a reconnaissance sample.

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[3]All placer sample results except for gold (oz/cy), are values that correspond to the concentration of elements in the sample concentrate. To recalculate the reported results to that which represents the original sample volume, see the formulas in appendix C. The reported results for gold (oz/cy) relate to the grade of unwashed (virgin) gravel.

## New Placer Occurrences

Gold was observed in nearly all of the placer samples taken during the 1988 field season, although in most cases, the quantity of gold was too small to be measured. Reconnaissance sampling resulted in the identification of 4 previously unreported gold placer occurrences, and identification of 5 placer occurrences that contain detectable levels of platinum or palladium. Reconnaissance samples containing gold concentrations greater than 0.002 oz/yd$^3$ were collected at the locations listed in table 2, and are shown on figure 4.

TABLE 2. - Reconnaissance placer samples containing gold values greater than 0.002 oz/yd$^3$

| Map no. | Sample no. | Location description | Gold oz/yd$^3$ |
|---|---|---|---|
| 247.. | 2320 | E. Fk. Chulitna R. trib. | 0.003 |
| 253.. | 2148 | E. Fk. Chulitna R..... | 0.002 |
| 339.. | 2510 | Portage Creek..... | 0.002 |
| 351.. | 2374 | Susitna River trib..... | 0.002 |

The concentates from 5 reconnaissance placer samples have gold concentrations above the AFS analytical detection limit of 10,000 ppb (0.290 oz/st). This is significant because the AFS analyses of the placer samples were performed after the placer gold was removed from the placer concentrates. The AFS results can be interpreted to indicate that (1) all of the placer gold was not recovered from the concentrates, and/or (2) there were minerals present in the concentrates that contained disseminated gold. The 5 concentrate samples that contained greater than 10,000 ppb gold were collected at the locations listed in table 3, and are shown on figure 4.

TABLE 3. - Reconnaissance placer samples containing >10,000 ppb gold (AFS analysis)

| Map numbers | Sample location |
|---|---|
| 209..... | Honolulu Creek |
| 253, 254.... | E. Fork Chulitna R. |
| 361..... | Black River |
| 407..... | Oshetna River |

Gold was recovered from placer samples that were taken from the Tertiary conglomerates in the southeastern (map nos. 427-428, 438, 486) and the southwestern (map nos. 308-311, 314-315, 317) portions of the mining district (see appendix B for results for these samples). Although no economic quantities of gold were recovered from the samples, the results of the sampling indicate that the Tertiary conglomerates are a source of the gold that is present in the Quaternary gravels of those areas.

High levels of silver were detected in the concentrates from two placer samples. Sample 2329 (map no. 254), located on the East Fork Chulitna River, contained 170.5 ppm silver. Sample 2374 (map no. 351), located on a small unnamed tributary to the Susitna River, contained 120.0 ppm silver.

A total of 5 reconnaissance samples contained detectable levels of platinum group metals (PGM). Table 4 summarizes these results.

TABLE 4. - Reconnaissance placer samples containing detectable PGM

| Map no. | Sample no. | Location description | Pd ppb | Pt ppb |
|---|---|---|---|---|
| 119.... | 2030 | Nowater Creek..... | 8 | ND |
| 157.... | 2020 | Butte Creek..... | 6 | ND |
| 213.... | 2273 | Honolulu Creek..... | ND | 20 |
| 225.... | 2252 | Honolulu Creek trib.. | 4 | ND |
| 345.... | 2464 | Susitna River trib... | ND | 10 |

ND Not detected.

## New Lode Occurrences

Reconnaissance sampling for lode sources of base and precious metals resulted in the identification of 5 new lode gold-silver occurrences, identification of 2 occurrences that contain elevated quantities of chromium, cobalt, nickel, palladium, and platinum, and identification of 1 area containing elevated quantities of copper, molybdenum, and zinc.

### McCallie Glacier Occurrence

The McCallie Glacier Occurrence, located on a steep sided ridge at the head of the McCallie Glacier, yielded five select samples (table 5) that contained elevated concentrations of gold, silver, lead, antimony, and zinc. All of the samples were collected from a silicified sequence of calcareous, mafic, metavolcanic rocks. The mineralized sequence of rocks has an apparent thickness of approximately 100 ft; the strike length and depth of the deposit is unknown. Disseminated sulfides were observed throughout this sequence of rocks. The density of disseminated sulfides in the host rocks increased near local structures such as breccia zones and areas that contained stockwork type quartz veinlets. Disseminated sulfide minerals are pyrite, pyrrhotite, arsenopyrite, sphalerite, and galena.

TABLE 5. - Summary of analytical results for samples collected at the McCallie Glacier Occurrence

| Map no. | Sample | | Ag | Au | Pb | Sb | Zn |
|---|---|---|---|---|---|---|---|
| | no. | Type | oz/st | oz/st | % | % | % |
| 273... | 2224 | S | 1.84 | 0.410 | 0.17 | 2.37 | 0.81 |
| 274... | 1951 | S | 1.14 | 0.028 | 0.23 | 0.19 | 0.50 |
| 275... | 2218 | S | 1.58 | 0.286 | 0.37 | 0.26 | 0.25 |
| 275... | 2219 | S | 3.87 | 0.878 | 1.25 | 1.44 | 0.33 |
| 275... | 2221 | S | 4.41 | 0.124 | 1.79 | 1.64 | 1.20 |

NOTE.--Sample type codes explained in appendix A.

### Antimony Creek Occurrence

The Antimony Creek Occurrence is located in a saddle near Antimony Mountain. Sample 2275 (map no. 230) was collected from a discontinuous quartz sulfide vein less than 1 ft wide and contained 562 ppm zinc.

### Butte Creek Occurrence

The host rock of the Butte Creek Occurrence is a serpentinized

peridotite containing elevated levels of cobalt, chromium, nickel, palladium, and platinum. The occurrence is located on the eastern valley wall of the Butte Creek drainage near Mt. Way. Sample 2213 (map no. 156) was collected from serpentinite and contained 149 ppm cobalt, 609 ppm chromium, 613 ppm nickel, 28 ppb palladium, and 40 ppb platinum. Sample 2214 (map no. 156) was collected near sample 2213, and contained 613 ppm nickel.

East Fork Chulitna River Occurrence

Sample 2266 was collected from malachite stained granite in the upper reaches of the East Fork Chulitna River (map no. 197) and contained 3,818 ppm copper, 25 ppm molybdenum, and 819 ppm zinc. Sample 2402 (map no. 202) was collected from malachite stained granite located one mile downstream from sample 2266, and contained 3,891 ppm copper and 8,911 ppm zinc.

Honey Creek Occurrence

Two samples collected at the head of Honey Creek (map nos. 80-81) contained 78.5 oz/st silver and 38.0 ppm silver respectively. Both samples were taken from quartz-tetrahedrite-malachite veinlets. Sample 1739 (map no. 82) was collected from a less than 1-ft-wide quartz-tetrahedrite-malachite veinlet hosted in mafic metavolcanic rocks, and contained 8,615 ppm Cu.

Honolulu Creek Tributary Occurrence

Samples 2128, 2125, and 2262 (map nos. 216-218, respectively), collected at the head of a small tributary to Honolulu Creek, contained elevated quantities of silver, gold, cobalt, copper, and antimony. Sample 2128 was collected from a 4-in.-wide sulfide-rich quartz vein hosted in granite and contained 0.036 oz/st gold, 125 ppm cobalt, 4,877 ppm copper, and 182 ppm zinc. Sample 2125, collected from an 8-in.-wide massive sulfide vein hosted in granite, contained 83.5 ppm silver, 0.050 oz/st gold, 660 ppm antimony, 0.87% copper, and 147 ppm zinc. Sample 2262 represents a piece of massive arsenopyrite float that contained 12.5 ppm silver, 330 ppb gold, 176 ppm cobalt, 130 ppm antimony, and 89 ppm zinc.

Maclaren Glacier East Occurrence

Three samples were collected in an area three miles east of the terminus of the Maclaren Glacier. The serpentinized ultramafic rocks contained elevated levels of cobalt, nickel, chromium, palladium, and platinum. Sample 1662 (map no. 36) contained 70 ppm cobalt, 3,812 ppm chromium, 1,934 ppm nickel, 16 ppb palladium, and 15 ppb platinum. Sample 1567 (map no. 38) contained 77 ppm cobalt and 1,314 ppm nickel. Sample 1664 (map no. 39) contained 64 ppm cobalt, 3,022 ppm chromium, 1,726 ppm nickel, 14 ppb palladium, and 15 ppb platinum.

Maclaren River Occurrence

Sample 1693 (map no. 56) was collected on the east side of the Maclaren River near Hidden Lake and contained 7,142 ppm copper. The sample represents a small occurrence of epidote-carbonate veinlets hosted in metavolcanic rocks.

### Susitna River Tributary Occurrence

Sample 2469 collected near a tributary to the Susitna River in Devils Canyon (map no. 352) contained 10.5 ppm silver and 2,121 ppm zinc. The sample represents a chloritic schist that contains disseminated pyrite.

### West Fork Susitna Glacier Occurrence

Sample 1894 contained 34.5 ppm (1.01 oz/st) silver and 596 ppm zinc, and was collected near the West Fork Susitna Glacier (map no. 10) from a 5- to 10-ft-wide white quartz vein hosted in black calcareous schist. Sample 1797 (map no. 3) was collected from a gossan zone of calcareous argillite that contained 5 - 7% sulfides in banded quartz-sulfide veins. The sample contained 72 ppm cobalt and 1,372 ppm zinc.

## Examination of Mines, Prospects, and Mineral Occurrences

### Placer Occurrences

Thirty-one samples containing amounts of placer gold greater than or equal to 0.002 oz/yd$^3$ were collected from 10 placer occurrences. Of these 22 samples, 14 had values greater than 0.004 oz/yd$^3$. Nine placer samples (map nos. 367, 371, and 374) collected from the B & M 1-4 claims located on Busch Creek contained gold concentrations greater than 0.004 oz/yd$^3$. The B & M 1-4 claims were being mined during the 1988 mining season, and represent the only active mining operation in the VCMD outside of the mining activity at Valdez Creek. Other placer samples that contained greater than 0.004 oz/yd$^3$ gold were collected from Canyon Creek (map no. 317), Grogg Creek (map no. 94), the William Defrang Prospect (map no. 419), the Nay Nadeli Prospect (map no.173), and the Blue Sky Prospect (map no.109).

Concentrates from 52 placer samples that were collected at known placer occurrences contained greater than 10,000 ppb gold after the removal of the placer gold. Analytical data for these samples are included in appendix B.

Concentrates from 52 placer samples that were collected at known placer occurrences contained measurable quantities of PGM elements. Sample 1519 contained 3,100 ppb platinum and was collected from Gold Creek (map no. 415). Sample 1721 was collected from Tyone Creek (map no. 440) and contained 4,100 ppb platinum and 280 ppb palladium. Sample 1524 contained 2,500 ppb platinum and was collected from Fourth of July Creek (map no. 453). The other 49 samples that contained detectable PGM elements are included in appendix B.

### Bulk Placer Samples

Two bulk placer samples were collected during the 1988 field season. Both samples were collected from gravel in the Valdez Creek drainage. The samples weighed approximately 900 pounds each and were composed of bank run material collected from a known placer deposit. Evaluation procedures involved drying the entire sample, sieving to determine the gravel size distributions, weighing the various gravel size classes, recovering the gold from each gravel size class, and weighing the gold recovered from each gravel size class. The free

gold in each size class was recovered by either sluicing, panning, or using a spiral concentrator. The results of these evaluations are shown in figures 5, 6, 7, and 8.

The Valdez Creek sample was collected from the Blue Sky Claims located above White Creek's confluence with Valdez Creek. The total dry sample weight was 895 lbs. The gold recovered from the sample weighed 0.0638 grams. The grade of the bank run ore is 0.0069 $oz/yd^3$. This was calculated using an in-place gravel density of 3000 $lbs/yd^3$.

The White Creek sample was taken from the White Creek placer occurrence located 1 mile above the White - Valdez Creek confluence. The total dry sample weight was 979 lbs. The total mass of the gold recovered from the sample was 0.0688 grams. The grade of the bank run material is 0.0068 $oz/yd^3$.

## Lode Occurrences

Thirty-two of the 106 lode deposits visited in 1988 were lode occurrences that yielded samples containing elevated amounts of precious and/or base metals.

### Amphi Theater 1-25

The Amphi Theater 1-25 claim block yielded sample 2038 (map no. 122) that contained 1.77% copper. The sample was collected from a rubble crop of breccia/stockwork vein material hosted in amygdaloidal basalt, and contained chalcopyrite, bornite, azurite, and malachite.

### Black Creek Lode

Sample 1878 (map no. 100) was collected in the Black Creek Lode adit from metadiorite which contained numerous quartz stringers. The sample contained 1,410 ppb gold. Sample 1877 (map no. 101) was also collected in the Black Creek Lode adit and represents sulfide-rich quartz stringers hosted in black argillite. The sample contained 910 ppm zinc.

### Canyon Creek Occurrence

Sample 2317 was collected at the Canyon Creek Occurrence (map no. 264) from quartz vein float containing galena and arsenopyrite. The sample contained 2.97 oz/st silver, 8,900 ppm lead, and 871 ppm zinc.

### Cummins Claims

Nine of the samples collected at the Cummins Claims contained elevated concentrations of gold. Table 9 summarizes the most noteworthy geochemical results from the Cummins Claims. Samples 2158 and 2450 (map no. 294) were collected from the ore dump located at the mill site. The samples consisted of crushed quartz with minor sulfides. Samples 2452-2456 (map no. 295) were collected from a gold-quartz filled shear zone striking N78°W and dipping 84° NNE. The shear zone has a well defined hanging wall, hydrothermally altered footwall rocks, and a quartz breccia zone separated from the hanging wall and footwall by gouge zones. Sample 2452 represents a 3-in.-width of gouge that exists between the quartz breccia zone and

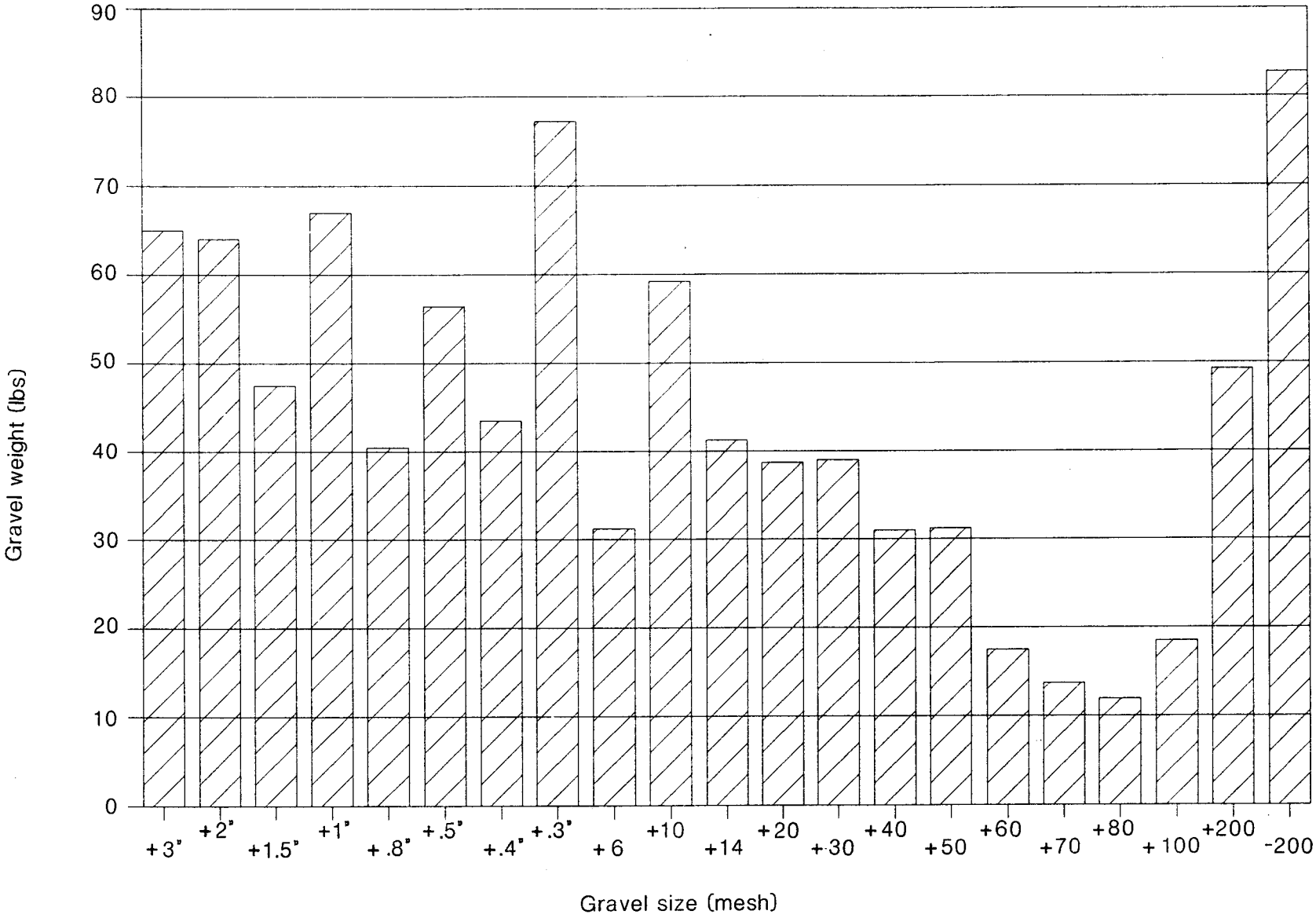


Figure 5. -- Gravel size distribution for the Valdez Creek sample.

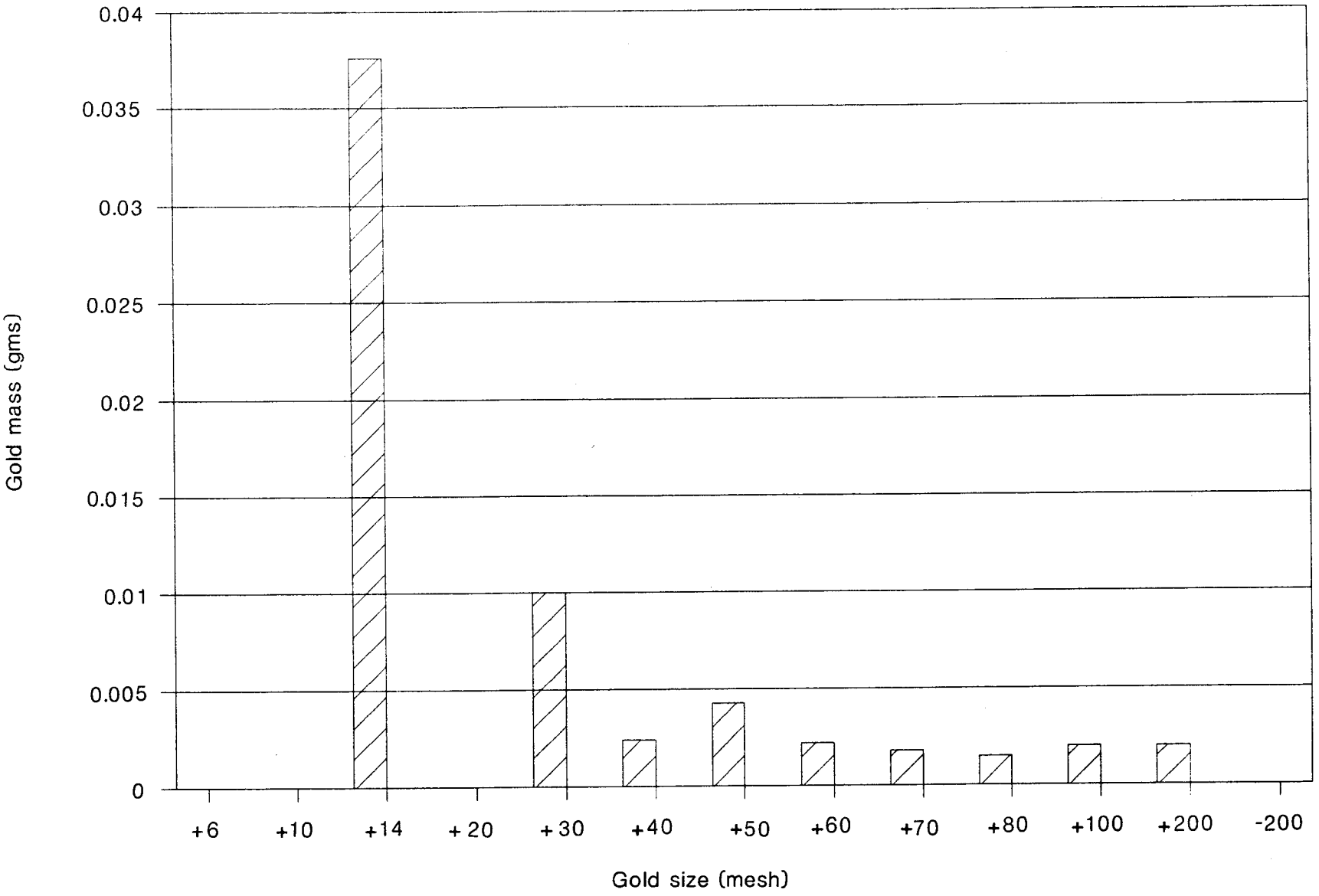


Figure 6.-- Gold size distribution for the Valdez Creek sample.

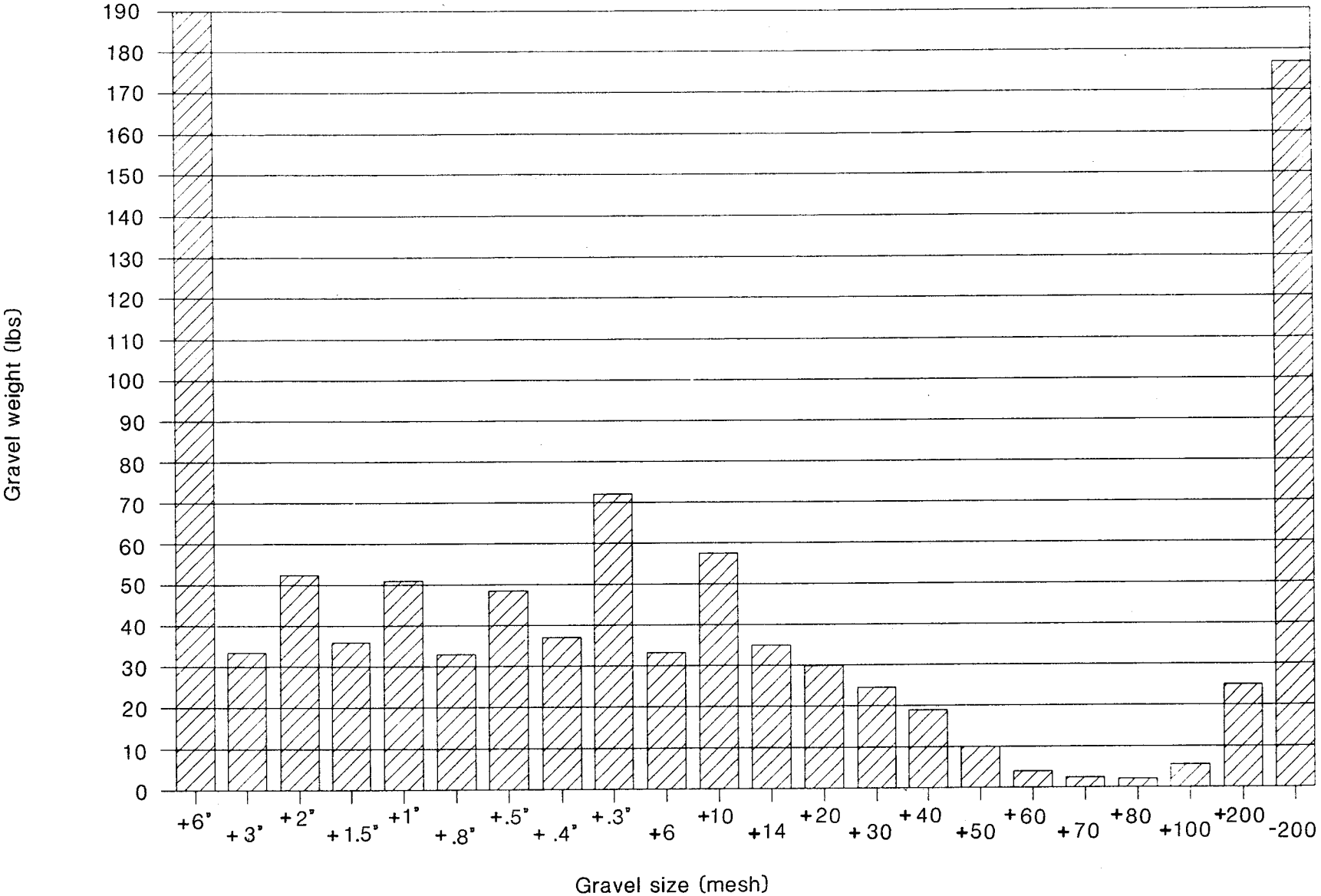


Figure 7. -- Gravel size distribution for the White Creek sample.

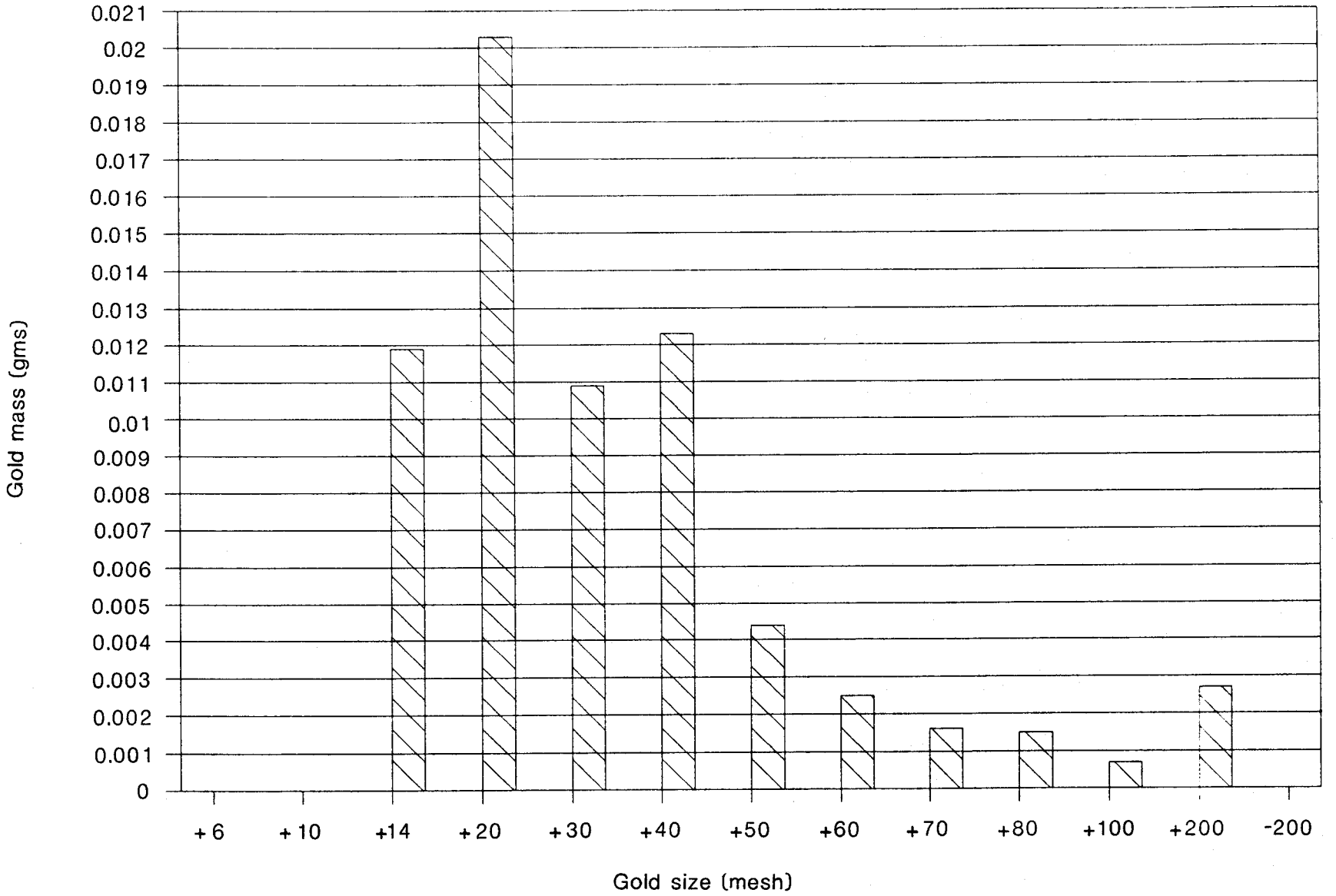


Figure 8. -- Gold size distribution for the White Creek sample

the hanging wall. Sample 2453 was collected from a 1-ft-wide quartz breccia zone and contained only a trace of gold. Sample 2455 represents a 1.5-ft-width of shattered quartz, quartz breccia, and gouge. Sample 2456 represents a 0.8-ft- width of shattered quartz, quartz breccia, and gouge, and was collected adjacent to sample 2455. Sample 2345 (map no. 296) was collected from an exploration pit which exposed a small limonitic quartz mica vein. Sample 2346 was collected from a similar exploration pit which exposed a small limonitic pyrite, mica, quartz vein. Sample 2501 was collected from one of a series of exploration pits which were dug over a swarm of quartz veins.

TABLE 6. - Summary of analytical results for samples collected at the Cummins Claims

| Map | Sample | | Ag | Au |
|---|---|---|---|---|
| no. | no. | type | ppm | oz/st |
| 294 | 2158 | G | 4.0 | 3.158 |
| 295 | 2450 | S | 1.5 | 0.042 |
| 295 | 2452 | CH | 1.5 | 0.490 |
| 295 | 2455 | CH | 1.0 | 0.103 |
| 295 | 2456 | CH | 1.0 | 0.020 |
| 296 | 2345 | RC | 4.5 | 0.048 |
| 296 | 2346 | CR | 78.0 | 0.064 |
| 297 | 2501 | G | 1.5 | 0.102 |

NOTE.--Sample type codes explained in appendix A.

East Fairbanks Meridian and T17S

Samples from the East Fairbanks Meridian and T17S contained elevated quantities of silver, copper, zinc, and cobalt. Samples 1922-1924 (map no. 5), samples 1926-1928 (map nos. 5, 6, and 7), and sample 1930 (map no. 7) were collected from calcareous schist and limonitic calcareous schist. Up to 19.0 ppm silver (sample 1930), 1.82% copper (sample 1923), 0.74% zinc (sample 1930), and 80 ppm cobalt (sample 1928) were present in the samples.

Granite Creek Prospect

Two samples collected from the Granite Creek Prospect contained elevated amounts of silver, copper and zinc. Sample 1611 (map no. 388) was collected from a silicified, porphyritic, hornblende andesite and contained 0.16% copper and 0.87% zinc. Sample 1612 (map no. 388) represents sulfide-rich, silicified, prophyritic hornblende andesite float and was collected near sample 1611. The sample contained 51.5 ppm silver, 5.75% copper, and 2.36% zinc.

Greenstone Occurrence

Sample 1669 (map no. 53) was collected at the Greenstone Occurrence from a 1-ft-wide malachite-tetrahedrite-quartz vein hosted in metabasalt, and contained 6.0 ppm silver, and 2.15% copper.

Grizzly Bear 1-56

The Grizzly Bear 1-56 is located at an occurrence of malachite, chalcopyrite, bornite pods hosted in basalt. Sample 2003 (map no.

142) was collected from one of these pods and contained 75 ppm silver, 5.17% copper, and 360 ppb gold.

Honolulu Prospect

The Honolulu Prospect is an altered felsic intrusive body which hosts at least one massive sulfide vein composed mainly of argentiferous galena, chalcopyrite, and sphalerite. Sample 2259 (map no. 222) was collected from a small, discontinuous, sulfide-rich quartz vein hosted in granite, near a granite-hornfels contact. The sample contained 37.5 ppm silver, 0.032 oz/st gold, 1.55% copper, and 197 ppm zinc. Random chip sample 2260 (map no. 223) was collected from a hydrothermally altered granite and represents an outcrop area of approximately 800 $ft^2$; the structural style and geological orientation of the mineralized body are unknown. The sample contained 31.2 oz/st silver, 3.32% lead, and 1.73% zinc. Sample 2261 (map no. 223) represents a massive chalcopyrite-galena vein found as float in the creek bottom 100 ft downstream from sample 2260. The sample contained 141.7 oz/st silver, 2.30% copper, 6.33% lead, and 6.04% zinc.

Kathleen Margaret Lode

The Kathleen Margaret Lode is located two miles west of the terminus of the Maclaren Glacier. The main mineralization at the Kathleen Margaret is a vertically dipping 5- 10-ft-wide outcrop of sulfide-rich quartz breccia with an exposed strike length of approximately 70 ft. The mineralized structure contains elevated concentrations of copper, silver, gold, antimony, tungsten, and zinc. Table 6 lists the most noteworthy sample results from the Kathleen Margaret Lode.

TABLE 7. - Summary of analytical results for samples collected at the Kathleen Margaret Lode

| Map | Sample | | Ag | Au | Cu | Sb | W | Zn |
|---|---|---|---|---|---|---|---|---|
| no. | no. | type | ppm | oz/st | % | ppm | ppm | ppm |
| 48... | 1641 | CC | 54.0 | 0.081 | 38.40 | 20 | 1,770 | 1,762 |
| 48... | 1642 | CC | 20.5 | 0.010 | 32.60 | 30 | 1,950 | 1,937 |
| 48... | 1643 | CC | 16.5 | 0.042 | 14.60 | 15 | 1,520 | 949 |
| 48... | 1644 | CC | 27.5 | 0.119 | 6.89 | 10 | 720 | 364 |
| 48... | 1647 | G | 7.5 | 0.012 | 1.64 | 25 | 270 | 128 |
| 47... | 1648 | RC | 60.0 | 0.063 | 5.40 | 1,935 | 790 | 614 |
| 46... | 1651 | RC | 0.5 | 760[1] | 0.02 | 5 | 30 | 68 |
| 46... | 1652 | S | 9.0 | 45[1] | 3.17 | ND | 480 | 276 |
| 46... | 1655 | RC | 5.0 | 10[1] | 1.30 | ND | 200 | 203 |
| 49... | 1826 | S | 60.0 | ND | 9.47 | 5 | 1,170 | 646 |

ND Not detected. [1]Results in ppb.
NOTE.--Sample type codes explained in appendix A.

Samples 1641-1644 (map no 48) represent a 6 ft continuous channel sample taken across the main outcrop of mineralization at the prospect. The vertically dipping mineralized body strikes N19°W, and is composed of four distinct zones: nearly barren quartz on the eastern footwall, barren quartz on the western hanging wall, and two quartz-sulfide zones distinguished by mineralogy, near the center of the vein. Sample 1641 represents one of these quartz-sulfide zones: a 0.8-ft-wide interval containing bornite, chalcopyrite, and quartz

breccia. Sample 1642 represents the other quartz sulfide zone: a 1.2-ft-wide interval containing massive bornite and chalcopyrite. Sample 1643 represents a 0.8-ft interval of quartz containing 10 to 30% (visual estimate) disseminated copper sulfides. Sample 1644 represents a 3.2-ft width of malachite-azurite-stained quartz containing 15 to 20% (visual estimate) copper sulfides. Sample 1648 (map no. 47) was collected on the north side of Discovery Creek, 300 ft NW of the Kathleen Margaret adit, from vesicular basalt containing numerous epidote filled fractures. Sample 1826 (map no. 49) was collected from a small quartz sulfide vein (Discovery Creek vein) which outcrops on the south side of Discovery Creek. The Discovery Creek vein appears to be a 600 ft left lateral offset of the main Kathleen Margaret outcrop. The Discovery Creek vein width varies from 1.2 ft to 6 ft. The vein is cut by a high angle fault 150 ft above the creek.

Lake View

Samples 1583 and 1584 (map no. 57) were collected at the Lake View from a small, sulfide-rich quartz vein hosted in epidote altered basalt. The samples contained 1.66% copper and 1.86% copper, respectively.

Lichen Occurrence

Two samples collected from the Lichen Occurrence contained elevated quantities of copper and silver. Sample 2034 (map no. 123) was collected from a 1.0-ft-wide shear zone showing open-space-filling textures and contained quartz, chalcopyrite, pyrite, azurite, and malachite. The sample contained 1.04% copper. Sample 2037 (map no. 124) was collected near sample 2034, and contained 66.0 ppm silver and 3.71% copper. The mineralized body is hosted in altered metabasalt.

Lookout Mountain Prospect

The Lookout Mountain Prospect yielded samples that contained elevated quantities of silver, lead, antimony, and zinc. Sample 2409 (map no. 258) was collected from a small, vuggy, limonitic vein hosted in argillite; it contained 59.5 ppm silver, 6,722 ppm lead, 1,435 ppm antimony, and 5,004 ppm zinc. Sample 2411 (map no. 258) was collected from a bleached, silicified argillite, and contained 54 ppm silver, 2,200 ppm lead, and 510 ppm antimony. Sample 2414 (map no. 258) was collected from silicified argillite and contained 42 ppm silver.

Mex Claims

Samples anomalous in silver, gold, cobalt, copper, nickel, lead, antimony, tungsten, and zinc were collected from the Mex Claim block. Sample 1747 (map no. 76) was collected from a skarn in the Honey Creek drainage, and contained 62 ppm silver, 820 ppb gold, 1.86% copper, and 744 ppm zinc. Samples 1590 and 1591 (map no. 90) were collected from a massive stibnite vein; sample 1590 contained 0.058 oz/st gold and 26.8% antimony, and sample 1591 contained 0.060 oz t gold and 27.3% antimony. Sample 1743 (map no. 76) was collected from a quartz sulfide breccia and contained 0.060 oz/st gold. Sample 1749 (map no. 89) was collected from a calcareous, limonitic argillite containing 194 ppm cobalt and 546 ppm nickel.

Mint Mine

Several samples were collected from two mineralized shear zones at the Mint Mine. Sample 2325 (map no. 342) was collected in the vicinity of the Chinaman's Adit. The 5-ft continuous chip sample was taken across a pyrite, arsenopyrite, quartz breccia zone and contained 2.88 oz/st silver and 970 ppb gold. Samples 2420-2425 (map no. 344) were collected from a 10-ft-wide quartz, ruby silver, arsenopyrite pyrite, pyrrhotite, chalcopyrite-filled shear zone hosted in argillite. Grab sample 2420 was collected from near the hanging wall of the shear zone and contained 56.60 oz/st silver, 1,350 ppb gold, and 815 ppm antimony. Representative chip sample 2421, collected from the silicified argillite beyond the hanging wall of the shear, contained 4.49 oz/st silver and 665 ppb gold. Sample 2423 was collected by taking a 3 ft channel sample across a portion of the shear zone. The sample contained 28.00 oz/st silver and 280 ppm antimony. Select sample 2424 was collected from within the shear zone that contained 53.40 oz/st silver, 3,030 ppb gold, and 620 ppm antimony. Grab sample 2425 was collected from the hanging wall silicified argillite host rock and contained 2.51 oz/st silver.

Nenana Claims

Two samples (map no. 1) from the Nenana Claims contained anomalous amounts of zinc. Sample 2051 was collected from a limonitic schist and contained 5,638 ppm zinc. Sample 2052 was collected from a malachite, azurite stained quartz breccia hosted in schist, and contained 3,102 ppm zinc.

Partin Creek Occurrence

Numerous samples were collected from massive arsenopyrite veins and altered metabasalt at the Partin Creek Occurrence (map nos. 284-285). Table 7 lists the most noteworthy sample results from the Partin Creek Occurrence. Sample 1962 was collected from a 1-ft-wide massive

TABLE 8. - Summary of analytical results for samples collected at the Partin Creek Occurrence

| Map | Sample | | Au | Ag | Co | Cu | Sb |
|---|---|---|---|---|---|---|---|
| No. | No. | Type | oz/st | ppm | ppm | % | ppm |
| 284 | 1962 | S | 0.055 | 1.0 | 159 | 0.11 | 100 |
| 284 | 1963 | RC | 0.020 | 1.0 | 36 | 0.03 | ND |
| 284 | 1964 | CC | 0.050 | 0.5 | 47 | 0.04 | ND |
| 284 | 1966 | S | 0.148 | 0.5 | 88 | 0.09 | 25 |
| 284 | 2234 | S | 0.038 | 83.1 | 8 | 0.08 | 560 |
| 284 | 2236 | S | 0.320 | 21.5 | ND | 0.05 | 830 |
| 285 | 2241 | S | 0.786 | 147.0 | 19 | 1.44 | 380 |
| 285 | 2245 | S | 1.350 | 171.0 | 163 | 0.85 | 3,865 |
| 285 | 2250 | S | 0.092 | 150.5 | 30 | 0.78 | 1,745 |

ND Not detected.
NOTE.--Sample type codes explained in appendix A.

arsenopyrite vein. Sample 1963 was collected from a 7-ft-wide zone of altered metabasalt containing disseminated sulfides. Sample 1964 was collected from a 6.5-ft-wide limonitic zone in metabasalt containing

disseminated sulfides. Sample 1966 was collected from a 1.3-ft-wide massive arsenopyrite vein. Sample 2234 was collected from a malachite-azurite stained, stibnite, pyrite, chalcopyrite, arsenopyrite, quartz vein. Sample 2236 was collected from vuggy, scorodite stained, stibnite, quartz, arsenopyrite rubble crop, apparently hosted in unaltered quartz diorite. Sample 2241 was collected from the same rock type as sample 2236. Sample 2245 was a select sample collected from a massive chalcopyrite, stibnite, arsenopyrite vein. Sample 2250 was collected from a chalcopyrite, stibnite, arsenopyrite vein.

Ready Cash Lode

Samples collected from the Ready Cash Lode contain elevated levels of silver, lead, and zinc, and to a lesser degree, gold, copper, and antimony. Table 8 summarizes the most noteworthy geochemical results for samples collected at the Ready Cash Lode. Samples 2134-2145 were

TABLE 9. - Summary of analytical results for samples collected at the Ready Cash Lode

| Map | Sample | | Ag | Au | Pb | Zn | Sb | Cu |
|---|---|---|---|---|---|---|---|---|
| no. | no. | Type | oz/st | oz/st | % | % | ppm | % |
| 266 | 2134 | RC | 0.99 | 165[1] | 20[2] | 72[2] | 140 | 0.13 |
| 266 | 2136 | RC | 0.09 | 0.062 | ND | ND | 60 | ND |
| 266 | 2138 | CC | 1.97 | 140[1] | 0.37 | 0.05 | 250 | 0.11 |
| 266 | 2140 | CC | 0.77 | 800[1] | 14[2] | 0.03 | 5 | 0.79 |
| 266 | 2141 | RC | 7.29 | 240[1] | 0.32 | 0.21 | 35 | 0.85 |
| 266 | 2142 | RC | 5.86 | 75[1] | >1 | 0.24 | 325 | 0.14 |
| 266 | 2143 | S | 54.90 | 135[1] | >1 | 9.20 | 270 | 2.60 |
| 266 | 2145 | RC | 5.54 | 130[1] | 0.88 | 0.62 | 225 | 0.28 |
| 268 | 2269 | CC | 1.87 | ND | 0.06 | 0.28 | 65 | 0.22 |
| 268 | 2270 | CC | 3.50 | ND | 0.69 | 0.09 | ND | 0.14 |
| 268 | 2271 | CC | 0.41 | ND | 0.08 | 0.06 | 20 | 0.04 |
| 267 | 2292 | CC | 29.20 | 0.008 | 4.11 | 1.40 | 635 | 0.71 |
| 267 | 2293 | CC | 14.00 | 0.004 | 3.03 | 0.30 | 350 | 0.32 |
| 267 | 2294 | CC | 8.60 | 0.004 | 2.08 | 0.60 | 255 | 0.24 |
| 267 | 2314 | S | 367.5[3] | 650[1] | 0.18 | 0.10 | 1,215 | 0.18 |
| 267 | 2295 | RC | 10.80 | 0.205 | 0.16 | 0.04 | 180 | 1.80 |

ND Not detected. [1]Results in ppb. [2]Results in ppm.
NOTE.--Sample type codes explained in appendix A.

collected from outcrop and rubble crop locations in the Canyon Creek drainage. The samples represent quartz-sulfide veins that outcrop in the rocks exposed along a 900 ft section of the canyon wall at creek elevation. Generally, the veins range from 1-in to 15-in-wide and consist of pyrite, pyrrhotite, stibnite, chalcopyrite, galena, arsenopyrite, and quartz. Sample 2269 was a 3.8 ft continuous channel sample taken between the foot wall and the mid-line of a 9-ft-wide, vertically dipping vein composed of azurite, malachite, scorodite, chalcopyrite, galena, arsenopyrite, and quartz-breccia. Sample 2270 was a 5.2 ft channel sample taken from the mid-line to the hanging wall of the vein. The vein outcrops 60 ft above the lower adit on the Ready Cash Lode. Sample 2271 was collected from a narrower exposure of the vein 30 ft northeast along strike from samples 2269 and 2270. Samples 2292-2295 were collected from a system of sheeted quartz

sulfide-veins that are exposed over a large area of the mountain slope above and to the southeast of Canyon Creek. The veins are similar in character, all exhibiting (1) open- space filling textures, (2) small (less than 5 in) hydrothermal alteration halos, (3) less than 3 ft vein widths, and (4) compositions mainly of arsenopyrite with subordinate galena, chalcopyrite and quartz breccia.

Rusty Creek Occurrence

Sample 1917 collected on Rusty Creek, a tributary to Valdez Creek (map no. 113), contained 0.012 oz/st gold. The sample was collected from small quartz veins hosted in metamorphosed tuffs of intermediate composition.

Shotgun Creek Lode

Fourteen of the samples collected at the Shotgun Creek Lode contain elevated levels of chromium, cobalt, copper, nickel, and/or platinum. The highest values detected are listed in table 11. Sample 2070 was collected from a magnetite-rich serpentinite. Sample 2116 was collected from silica-carbonate altered ultramafic rocks. Sample 2117 was collected from serpentinite. Sample 2118 was collected from a quartz-carbonate filled shear zone hosted in ultramafic rocks.

TABLE 10. - Summary of analytical results for samples collected at the Shotgun Creek Lode

| Map | Sample | | Cr | Co | Cu | Ni | Pt |
|---|---|---|---|---|---|---|---|
| No. | No. | Type | ppm | ppm | ppm | ppm | ppb |
| 281 | 2116 | RC | 1,616 | 62 | 17 | 632 | 15 |
| 281 | 2117 | G | 1,225 | 132 | 4.79% | 1,684 | 5 |
| 281 | 2118 | RC | 2,968 | 117 | 961 | 1,549 | 10 |
| 283 | 2070 | CR | 858 | 109 | 16 | 2,178 | 5 |
| 286 | 2102 | G | 36 | 34 | 9,708 | 46 | ND |
| 286 | 2104 | RC | 1,006 | 74 | 51 | 1,299 | 10 |
| 288 | 2064 | S | 1,022 | 85 | 11 | 1,394 | 5 |
| 288 | 2065 | CR | 1,217 | 72 | 10 | 1,414 | 5 |
| 288 | 2066 | CC | 1,675 | 85 | 14 | 1,973 | 10 |
| 288 | 2067 | CC | 1,566 | 98 | 13 | 1,937 | 10 |
| 288 | 2068 | CR | 1,353 | 98 | 16 | 1,883 | 10 |
| 289 | 2077 | S | 843 | 77 | 769 | 1,347 | 10 |
| 289 | 2078 | S | 546 | 82 | 416 | 1,613 | 15 |
| 289 | 2079 | CC | 107 | 37 | 360 | 65 | 5 |

ND Not detected.
NOTE.--Sample type codes explained in appendix A.

Many reconnaissance samples collected from an area in the headwaters of Shotgun Creek contained elevated amounts of chromium, cobalt, copper, nickel, and PGM. Five samples collected at map number 288 contained elevated quantities of chromium, cobalt, nickel, and platinum. Samples 2064-2068 were collected from serpentinite. Three samples collected near a drill site in the Shotgun Creek drainage at map number 289 contained elevated levels of chromium, cobalt, nickel, palladium, and platinum. Samples 2077-2079 were collected from silica-carbonate altered ultramafic rocks which were stained with malachite.

Silver Kitty Nos. 1-15

The Silver Kitty gold-silver prospect yielded sample 2318 (map no. 262), which contained 0.110 oz/st gold. The sample was collected from sulfide veinlets hosted in a biotite quartz diorite porphyry.

Treasure Creek Lode

Two samples (map no. 341) collected from a porphyry molybdenum deposit on Treasure Creek contained elevated quantities of silver, cobalt, tungsten, zinc, and molybdenum. Sample 2159 was collected from a sulfide-rich portion of the host granite and contained 58.5 ppm silver, 72 ppm cobalt, 160 ppm gallium, and 2.6% zinc. Sample 2161 was collected from a hydrothermally altered 2-ft-wide molybdenite rich shear zone cutting granite. The sample contained 13 ppm silver, greater than 1% molybdenum, and 4,220 ppm tungsten.

Tsusena Creek Prospect

Samples collected from the Tsusena Creek Prospect contained elevated quantities of silver, lead, and zinc. Twenty-six samples were collected from the numerous quartz-sulfide veins and mineralized shear zones which occur on the prospect. Table 11 summarizes the most noteworthy results from samples collected at the Tsusena Creek Prospect. Sample 1994 was

TABLE 11. - Summary of analytical results for samples collected at the Tsusena Creek Prospect

| Map | Sample | | Ag | Pb | Sb | Zn |
|---|---|---|---|---|---|---|
| no. | no. | Type | ppm | % | ppm | % |
| 183. | 1994 | G | 11.0 | 106[1] | ND | 5.45 |
| 184. | 2429 | S | 42.0 | 550[1] | ND | 0.27 |
| 184. | 2430 | S | 2.85[2] | 392[1] | 40 | 0.23 |
| 185. | 2432 | S | 104.0 | >1.00 | 65 | 0.95 |
| 185. | 2433 | S | 42.0 | 0.30 | 30 | 0.33 |
| 185. | 2434 | S | 124.0 | 0.28 | 90 | 563[1] |
| 185. | 2437 | S | 102.0 | 0.48 | 150 | 1.49 |
| 186. | 2445 | SC | 152.0 | 34[1] | ND | 149[1] |
| 186. | 2446 | SC | 124.0 | 18[1] | ND | 19[1] |
| 187. | 1999 | CR | 56.0 | 10[1] | ND | 105[1] |
| 195. | 2330 | CC | 26.50[2] | 1.21 | 340 | 0.28 |
| 195. | 2335 | S | 304.0 | 0.38 | 105 | 165[1] |

[1]Results in ppm. [2]Results in oz/st.
NOTE.--Sample type codes explained in appendix A.

collected from fractured andesite where sulfide mineralization has filled the fractures and joints. Sample 2429 was collected from silicified andesite containing disseminated sulfides. Sample 2430 is representative of a 7-in.-wide quartz-sulfide vein within a 60-ft-wide hydrothermally-altered zone in brecciated and sheared andesite. Samples 2432-2433 are 0.5-ft-long channel samples collected from silicified, brecciated, hydrothermally altered andesite containing disseminated sulfides. Sample 2434 was collected from hydrothermally altered, brecciated andesite hosting vuggy limonite veins. Sample 2437 was collected from a 1.4-ft-wide sulfide-rich quartz vein hosted in altered andesite. Sample 2445 is a 1.8-ft-long channel sample collected from

silicified andesite containing disseminated sulfides and sulfide veinlets. Sample 2246 was collected from the same location as 2445, extending over a 10-ft-width of the mineralized zone. Sample 1999 was collected from a fractured andesite where sulfide mineralization has filled the fractures and joints. The highest silver value contained in any sample collected at Tsusena Creek Prospect was from sample 2330 which was collected from a system of narrow sulfide-rich quartz breccia veins. Sample 2335 was collected from a heavily limonite stained quartz-breccia.

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APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District - 1988 field season.

Name - Refers to the name of a mine, prospect, or mineral occurrence as it appears in the Bureau's Minerals Availability System (MAS) files. Entries are listed in alphabetical order and are plotted on figure 3.

Location - Refers to rectangular net location coordinates in which the samples were taken.

Deposit or rock type - Refers to type of material sampled.

Mineral commodity - Refers to primary economic metal or material present at the property.

Mining production - Refers to documented production from the respective mine.

Map location numbers - Refers to samples collected in 1988, which are plotted on figure 3, and listed in appendix B.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Amphi Theater 1-25... | SE 1/4, Sec. 34, T33N, R11E, Seward Meridian. | Altered metabasalt. | Cu..... | None..... | 122 |
| B & M 1 - 4..... | NW 1/4, Sec. 34, T28N, R9E, Seward Meridian. | Placer..... | Au, Pt..... | NP..... | 366-374 |
| Bear Creek Mining.... | Sec. 9, T29N, R9W, Seward Meridian. | Placer..... | Au..... | ..do..... | 299, 300 |
| Big Lake..... | SE 1/4, Sec. 26, T22S, R3W, Fairbanks Meridian. | ..do..... | ..do..... | None..... | 180 |
| Big Rusty Creek..... | NW 1/4, Sec. 24, T20S, R2E, Fairbanks Meridian. | ..do..... | ..do..... | ..do..... | 104 |
| Black Creek Lode..... | SE 1/4, Sec. 18, T20S, R3E, Fairbanks Meridian. | Bull quartz stringers in schist. | ..do..... | 200 tons milled, Au production unknown. | 100-101 |
| Blue Sky..... | NW 1/4, Sec. 12, T20S, R2E, Fairbanks Meridian. | Placer..... | ..do..... | None..... | 108, 109 |
| Brush Battle..... | SE 1/4, Sec. 6, T22S, R10W, Fairbanks Meridian. | ..do..... | ..do..... | ..do..... | 224 |
| Busch Creek..... | Sec. 26, T28N, R9E, Seward Meridian. | ..do..... | ..do..... | NP..... | 362-365 |
| Butte Creek Gold..... | SW 1/4, Sec. 30, T21S, R1E, Fairbanks Meridian. | ..do..... | ..do..... | None..... | 169 |
| Butte Creek SW..... | W 1/2, Sec. 4, T22S, R2W, Fairbanks Meridian. | Altered metabasalt. | Cu..... | ..do..... | 176 |
| Canyon Creek Occurrence. | Sec. 28, T20S, R12W, Fairbanks Meridian. | Sulfide veins. | Ag, Au..... | NP..... | 264-265 |
| Caribou..... | NW 1/4, Sec. 26, T19S, R7W, Fairbanks Meridian. | Placer..... | Au..... | None..... | 250 |
| Cole & Swavely..... | Sec. 12, T24N, R9E, Seward Meridian. | ..do..... | ..do..... | ..do..... | 412-413 |

NP No production records available.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988--Continued

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Cottonwood Creek..... | SW 1/4, Sec. 26, T19S, R6E, Fairbanks Meridian. | placer..... | Au..... | None..... | 58-60 |
| Cottonwood Creek Headwaters. | Sec. 34, T29N, R8W, Seward Meridian. | ..do..... | ..do..... | NP..... | 327-328, 330-331 |
| Cottonwood Creek Lode. | SE 1/4, Sec. 17, T19S, R6E, Fairbanks Meridian. | Sulfide veins. | Cu, Au..... | None..... | 61 |
| Cummins Claims..... | SE 1/4, Sec. 6, T30N, R8W, Seward Meridian. | Gold quartz vein. | ..do..... | NP..... | 294-298 |
| Daisy Creek..... | SE 1/4, Sec. 1, T25N, R12E, Seward Meridian. | Placer..... | Au..... | NP..... | 425, 426, 429-432 |
| Denali Bench claims.. | NW 1/4, Sec. 26, T20S, R1E, Fairbanks Meridian. | ..do..... | ..do..... | ..do..... | 118 |
| Earl Krinke..... | NW 1/4, Sec. 26, T26N, R11E, Seward Meridian. | ..do..... | ..do..... | None..... | 464-465 |
| EL claims..... | NW 1/4, Sec. 34, T29N, R8W, Fairbanks Meridian. | ..do..... | ..do..... | NP..... | 326 |
| E. Fairbanks Meridian and T17S. | NW 1/4, Sec. 5, T17S, R1E, Fairbanks Meridian. | Lode..... | Unknown..... | None..... | 4-7 |
| Fourth of July Creek. | Sec. 5, 8, 16, T25N, R12E, Seward Meridian. | Placer..... | Au..... | NP..... | 452-453, 455, 458 |
| Gold Creek..... | Sec. 23, T25N, R9E, Seward Meridian. | ..do..... | ..do..... | ..do..... | 414-416 |
| Gold Queen..... | Sec. 20, 21, T29N, R8W, Seward Meridian. | ..do..... | ..do..... | ..do..... | 311-315 |
| Golden Zone..... | SW 1/4, Sec. 34, T19S, R11W, Fairbanks Meridian. | Breccia pipe. | Au, Ag, Cu, Pb. | 1,581 oz Au, 8,617 oz Ag, 21 tons Cu, 1.5 tons Pb. | 257 |
| Granite Creek Prospect. | Sec. 23, 27, 34, T26N, R8E, Seward Meridian. | Altered meta andesite. | Zn..... | None..... | 387-393 |
| Granite Creek..... | Sec. 31, 32, T26N, R9E, Seward Meridian. | Placer..... | Au..... | ..do..... | 393, 395 |

NP No production records available.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988--Continued

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Greenstone Occurrence. | SE 1/4, Sec. 33, T19S, R7E, Fairbanks Meridian. | ..do..... | ..do..... | ..do..... | 53 |
| Grizzly Bear 1-56.... | Sec. 23, 26, T22S, R2W, Fairbanks Meridian. | Felsic dike.. | Cu..... | None..... | 142-143 |
| Grizzly Creek..... | SW 1/4, Sec. 29, T5N, R10W, Copper River Meridian. | Placer..... | Au..... | ..do..... | 427 |
| Greentree..... | NE 1/4, Sec. 32, T19S, R7E, Fairbanks Meridian. | Altered metavolcanic | Cu..... | ..do..... | 54 |
| Grogg Creek..... | NE 1/4, Sec. 4, T20S, R3E, Fairbanks Meridian. | Placer..... | Au..... | ..do..... | 94, 95 |
| Honey Creek..... | Sec. 27 - 29, 32, T19S, R5E, Fairbanks Meridian. | Placer..... | Au..... | NP..... | 69-72 |
| Honolulu Prospect.... | Sec. 4, T22S, R10W Fairbanks Meridian. | sulfide veins. | Ag, Au, Cu, Sb. | NP | 222-223 |
| Indian Mountain..... | Sec. 10, 11, T32N, R2W, Seward Meridian. | Hydrothermal vein. | Au, Ag, Cu, Bi. | None..... | 336-337 |
| Jay Creek..... | N 1/2, Sec. 13, T31N, R8E, Seward Meridian. | Placer..... | Au..... | NP..... | 131 |
| Jeffery L. Bettis.... | SW 1/4, Sec. 1, T25N, R9E, Seward Meridian. | ..do..... | ..do..... | ..do..... | 417 |
| Kathleen Margaret Lode. | SW 1/4, Sec. 11, T19S, R6E, Fairbanks Meridian. | Quartz veins. | Cu, Au, Ag, Sb. | None..... | 46-49 |
| Lake View..... | NE 1/4, Sec. 26, T19S, R6E, Fairbanks Meridian. | Altered metabasalt. | Cu..... | ..do..... | 57 |
| Lamb Prospectors..... | Secs. 7 and 17, T18S, R5E, Fairbanks Meridian. | Hydro-thermally altered granite. | Cu, Mo..... | ..do..... | 15-21 |
| Lance Gold..... | NE 1/4, Sec. 7, T20S, R5E, Fairbanks Meridian. | Placer..... | Au..... | ..do..... | 84-85 |

NP No production records available.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988--Continued

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Lichen Occurrence | NE 1/4, Sec. 2, T32N, R11E, Seward Meridian. | Altered metavolcanic. | Ag, Au, Cu | ..do | 123-125 |
| Little Clearwater Creek. | NE 1/4, Sec. 1, T22S,R4E, Fairbanks Meridian. | Placer | Au | None | 83 |
| Little Nelchina River. | SE 1/4, Sec. 2, T23N, R10E, Seward Meridian. | ..do | ..do | ..do | 498-500 |
| Long Creek | NE 1/4, Sec. 16, T29N, R8W, Seward Meridian. | ..do | Au, Pt | NP | 325 |
| Lookout Mountain Prospect. | N 1/2, Sec. 1, T20S, R11W, Fairbanks Meridian. | Mineralized intrusives. | Zn, Pb | None | 258-261 |
| Lucky Rusty | SE 1/4, Sec. 13, T20S, R2E, Fairbanks Meridian. | Placer | Au | NP | 105 |
| McCallie Glacier | NW 1/4, Sec. 13, T21S, R13W, Fairbanks Meridian. | Stockwork/ breccia. | Au, Ag, Sb | None | 272-276 |
| McKinley View | Sec. 3, T28N, R5W, Seward Meridian. | Unknown | Au | ..do | None |
| Mex Claims | Sec. 6, T20S, R5E, Fairbanks Meridian. | Altered metasedi-ments, vol-canics, and skarns. | Cu, W, Sb, Mo. | None | 73-76, 86-92 |
| Mint Mine | NW 1/4, Sec. 18, T32N, R1E, Seward Meridian. | Shear zone | Ag | NP | 342-344 |
| Mt. View Lode | SW 1/4, Sec. 7, T19S, R7E, Fairbanks Meridian. | Lode | Unknown | None | 50 |
| Mt. Watana | Sec. 2, 3, T30N, R7E, Seward Meridian. | Quartz vein | Ag | ..do | 359-360 |
| Nay Nadeli | SW 1/4, Sec. 1, T21S, R1W, Fairbanks Meridian. | Placer | Au | NP | 173 |
| Nelchina Mines | SE 1/4 of T26N, R11E, Seward Meridian. | ..do | Au, Pt | ..do | 449, 461-463, 467, |

NP No production records available.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988--Continued

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Nelson Discovery #2.. | Sec. 1, T22S, R1W, Fairbanks Meridian. | Placer..... | Au, Pt..... | None..... | 160-161 |
| Nenana claims..... | SW 1/4, Sec. 30, T16S, R1E, Fairbanks Meridian. | Altered metavolcanic. | Cu..... | ..do..... | 1 |
| Nicolie Creek..... | NE 1/4, Sec. 14, T24N, R12E, Seward Meridian. | Placer..... | Au..... | ..do..... | 436 |
| North Carolina..... | NW 1/4, Sec. 14, T12S, R10W, Fairbanks Meridian. | Quartz vein.. | Sb, Au..... | ..do..... | 227 |
| Nowhere Creek..... | Sec. 26 - 29, T25N, R8E, Seward Meridian. | Placer..... | Au..... | ..do..... | 397-398, 403-405 |
| Old Gold..... | Sec. 2, 10, 11, T26N, R8E, Seward Meridian. | Altered metavolcanic. | ..do..... | ..do..... | 376-378 |
| Oshetna River..... | NE 1/4, Sec. 6, T26N, R11E, Seward Meridian. | Placer..... | Au..... | ..do..... | 421 |
| Partin Creek Occurrence. | NW 1/4, Sec. 25, T21S, R13W, Fairbanks Meridian. | Epithermal vein. | Au, Ag..... | ..do..... | 284-285 |
| Poorman Creek..... | NW 1/4, Sec. 20, T29N, R8W, Seward Meridian. | ..do..... | ..do..... | NP..... | 310 |
| Pumicite 1-12..... | Sec. 16, T6N, R10W, Copper River Meridian. | ..do..... | ..do..... | None..... | 423 |
| Ramsdyke Creek..... | SE 1/4, Sec. 4, T29N, R8W, Seward Meridian. | ..do..... | ..do..... | NP..... | 305, 307 |
| Ready Cash Lode..... | SW 1/4, Sec. 28, T20S, R12W, Fairbanks Meridian. | Sulfide veins. | Au, Ag, Sn... | None..... | 266-270 |
| Riverside..... | Sec. 26, T19S, R11W, Fairbanks Meridian. | Hydrothermal replacement. | Au, Ag, Cu, Pb, Zn. | NP..... | 256 |
| Roaring Creek..... | Sec. 13, T25N, R8E, Seward Meridian. | Placer..... | Au..... | None..... | 386, 396 |

NP No production records available.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988--Continued

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Rusty Creek | SE 1/4, Sec. 11, T20S, R2E, Fairbanks Meridian. | Placer | Au | NP | 112 |
| Sheba Head | SW 1/4, Sec. 13, T19S, R5E, Fairbanks Meridian. | Altered metavolcanic. | Cu | None | 62 |
| Shotgun Creek | S 1/2, Secs. 35 - 36, T21S, R12W, Fairbanks Meridian. | Placer | Au | NP | 290-293 |
| Shotgun Creek Lode | MW 1/4, Sec. 27, T21S, R12W, Fairbanks Meridian. | Serpentenite. | Cr, Ni, Pd | None | 278-283 |
| Silver Kitty Nos. 1-15. | W 1/2, Sec. 23, T20S, R12W, Fairbanks Meridian. | Epithermal vein. | Au, Cu | ..do | 262-263 |
| Surprise Creek | NE 1/4, Sec. 9, T20S, R3E, Fairbanks Meridian. | Schist and argillite. | Au | ..do | 96-99 |
| Sweet Glory | SW 1/4, Sec. 7, T22S, R1W, Fairbanks Meridian. | Placer | ..do | ..do | 151-155 |
| Three Bears E. Fork | NW 1/4, Sec. 16, T19S, R7E, Fairbanks Meridian. | ..do | ..do | ..do | 51 |
| Treasure Creek Lode | SE 1/4, Sec. 8, T32N, R1E, Seward Meridian. | Porphyry | Mo | ..do | 340, 341 |
| Tsusena Creek Prospect. | Sec. 10,15, T22S, R6W, Fairbanks Meridian. | Polymetallic veins and shear zones. | Ag | ..do | 181-196 |
| Tyone Creek | T24N, R11E, R12E, Fairbanks Meridian. | Placer | Au, Pt | NP | 424, 433-435, 437, 439-440, 490-497 |
| Unnamed | SW 1/4, Sec. 19, T32N, R9E, Seward Meridian. | Lode | Ag | None | 132-134 |
| Unnamed | NE 1/4, Sec. 19, T32N, R9E, Seward Meridian. | Placer | Au | ..do | 135 |
| Unnamed | NW 1/4, Sec. 17, T32N, R9E, Seward Meridian. | Lode | Ag, Pb | ..do | 136-137 |

NP No production records available.

APPENDIX A. - Mines, Prospects, and Mineral Occurrences Examined in the Valdez Creek Mining District During 1988--Continued

| Name | Location | Deposit or rock type | Mineral commodity | Mining production | Map location numbers |
|---|---|---|---|---|---|
| Unnamed | SW 1/4, Sec. 27, T22S, R2W, Fairbanks Meridian. | Lode | Ag | None | 138-139 |
| Unnamed | SE 1/4, Sec. 31, T21S, R1E, Fairbanks Meridian. | Ophiolite | PGM | ..do | 166-168 |
| Unnamed | NW 1/4, Sec. 1, T22S, R1W, Fairbanks Meridian. | ..do | ..do | ..do | 158-159 |
| Unnamed | SW 1/4, Sec. 32, T16S, R7E, Fairbanks Meridian. | Skarn | Unknown | ..do | 40, 42 |
| VABM 5756 Fork | SE 1/4, Sec. 32, T16S, R1E, Fairbanks Meridian. | Lode | ..do | ..do | 8-9 |
| Valdez Creek | SE 1/4, Sec. 13, T20S, R1E, Fairbanks Meridian. | Placer | Au | 159,000 oz gold | 93 |
| Walker Creek | Sec. 25, 36, T26N, R11E, Seward Meridian. | ..do | ..do | None | 450-451, 454, 459-460 |
| Way Mountain | W 1/2, Sec. 1, T22S, R1W, Fairbanks Meridian. | Ophiolite | Cr, PGM | ..do | 162-164 |
| White Creek | Sec. 11, 13, 14, T20S, R2E, Fairbanks Meridian. | Placer | Au | NP | 102-103, 107, 110 |
| William DeFrang | Sec. 24, 25, 36, T26N, R9E, Seward Meridian. | ..do | ..do | None | 418-420 |
| Wonder Gulch | NW 1/4, Sec. 20, T29N, R8W, Seward Meridian. | ..do | ..do | NP | 303-304, 306 |
| Yacko Creek | Sec. 24, 25, 36, T25N, R11E, Seward Meridian. | ..do | Au, Pt | ..do | 442-448 |
| Zackley | SW 1/4, Sec. 36, T19S, R5E, Fairbanks Meridian. | Skarn | Au, Ag | None | 67-68 |

NP No production records available.

APPENDIX B. - Results of Analyses of Samples Collected from the Valdez Creek Mining District - 1988 Field Season

## Explanation

Map no. - Refers to map number as shown on figure 3.

Sample no. - Refers to field sample number.

Sample type - CC Continuous chip
- CH Channel
- CR Representative chip
- G Grab sample
- PL Placer sample
- RC Random chip
- S Select
- SC Spaced chip

Sample Location ID - Actual property names are capitalized. Physical sample location descriptions are listed with only the first letter of each word capitalized.

% - percent

ppm - parts per million

ppb - parts per billion

oz/t - ounces per short ton

oz/cy - Ounces per cubic yard. Refers to amount of gold recovered from a placer sample by sluicing or panning.

AFS - Atomic fluorescence spectroscopy

99999 - Above detection limit.

-99 - Not detected.

NA - Not analyzed.

APPENDIX B. - Results of Analyses of Samples Collected from the Valdez Creek Mining District - 1988 Field Season--Continued

TABLE B1. - Analytical detection limits

| Inductively coupled plasma (ICP) spectroscopy | | |
|---|---|---|
| Element | Minimum | Maximum |
| Al..... | 0.01% | 25.00 % |
| Ag..... | 0.2 ppm | 200 ppm |
| As..... | 1.0 | 10,000 ppm |
| Ba..... | 10.0 ppm | 10,000 ppm |
| Be..... | 0.5 ppm | 10,000 ppm |
| Bi..... | 2.0 ppm | 10,000 ppm |
| Ca..... | 0.01% | 25.00 % |
| Cd..... | 0.5 ppm | 10,000 ppm |
| Co..... | 1.0 ppm | 10,000 ppm |
| Cr..... | 1.0 ppm | 10,000 ppm |
| Cu..... | 1.0 ppm | 10,000 ppm |
| Fe..... | 0.01% | 25.00 % |
| Ga..... | 10.0 ppm | 10,000 ppm |
| Hg..... | 1.0 ppm | 10,000 ppm |
| K..... | 0.01% | 20.00 % |
| La..... | 10.0 ppm | 10,000 ppm |
| Mg..... | 0.01% | 25.00 % |
| Mn..... | 1.0 ppm | 10,000 ppm |
| Mo..... | 1.0 ppm | 10,000 ppm |
| Na..... | 0.01% | 10.00 % |
| Ni..... | 1.0 ppm | 10,000 ppm |
| P..... | 10.0 ppm | 10,000 ppm |
| Pb..... | 2.0 ppm | 10,000 ppm |
| Sb..... | 5.0 ppm | 10,000 ppm |
| Sr..... | 1.0 ppm | 10,000 ppm |
| Ti..... | 0.01% | 10.00 % |
| Tl..... | 10.0 ppm | 10,000 ppm |
| U..... | 10.0 ppm | 10,000 ppm |
| V..... | 1.0 ppm | 10,000 ppm |
| W..... | 10.0 ppm | 10,000 ppm |
| Zn..... | 2.0 ppm | 10,000 ppm |

| Atomic fluorescence spectroscopy | | |
|---|---|---|
| Au..... | 2.0 ppb | 10,000 ppb |
| Pd..... | 2.0 ppb | 10,000 ppb |
| Pt..... | 5.0 ppb | 10,000 ppb |

| Fire assay plus atomic absorption | | |
|---|---|---|
| Au[1].... | 0.002 oz/st | 20.00 oz/st |
| Au..... | 5.0 ppb | 10,000 ppb |

[1](½ assay ton)

APPENDIX B. - Results of Analyses of Samples Collected from the Valdez Creek Mining District - 1988 Field Season--Continued

TABLE B1. - Analytical detection limits--Continued

| Atomic absorption | | |
|---|---|---|
| Ag[1] | 0.01 oz/st | 20.00 oz/st |
| Ag | 0.5 ppm | 500.0 ppm |
| Cu | 0.01 % | 100.00 % |
| Pb | 0.01 % | 100.00 % |
| Mo | 0.001 % | 100.000 % |
| Zn | 0.01 % | 100.00 % |

[1](½ assay ton)

| Neutron activation - gamma spectroscopy | | |
|---|---|---|
| Sb | 0.001 % | 100.000 % |

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2051 | S | NENANA CLAIMS | 0.76 | 2.5 | NA | 1220 | 25 | NA | NA | NA | 60 | 1.5 | -99 | 0.31 | 32.5 | 10 | 196 | 0.10% | 8.00 | -99 |
| 1 | 2052 | S | NENANA CLAIMS | 2.77 | 1.0 | NA | 10 | -99 | NA | NA | NA | 260 | 0.5 | -99 | 4.55 | 40 | 10 | 145 | 0.33% | 1.84 | -99 |
| 2 | 1934 | CC | W. Fk. Susitna Gl. | 0.24 | 0.5 | NA | 10 | 5 | NA | NA | NA | 50 | -99 | -99 | 0.01 | -99 | -99 | 245 | 61 | 1.47 | -99 |
| 2 | 1935 | CC | W. Fk. Susitna Gl. | 2.05 | 3.0 | NA | 75 | 10 | NA | NA | NA | 490 | 3.0 | -99 | 0.05 | 2 | 25 | 169 | 473 | 15.84 | -99 |
| 2 | 1936 | CC | W. Fk. Susitna Gl. | 0.56 | 1.0 | NA | -99 | -99 | NA | NA | NA | 80 | 0.5 | -99 | 0.04 | 3.5 | 11 | 275 | 203 | 3.75 | -99 |
| 3 | 1797 | RC | W. Fk. Susitna Gl. | 3.51 | 5.5 | NA | -99 | -99 | NA | NA | NA | 170 | -99 | -99 | 0.13 | 11 | 72 | 113 | 1017 | 20.18 | -99 |
| 4 | 1932 | CC | E. FAIRBANKS MERIDIAN | 4.43 | 5.0 | NA | 50 | 15 | NA | NA | NA | 240 | 1.5 | -99 | 0.74 | 14 | 38 | 119 | 0.20% | 12.43 | -99 |
| 4 | 1933 | CC | E. FAIRBANKS MERIDIAN | 6.33 | 1.0 | NA | 60 | -99 | NA | NA | NA | 90 | 1.5 | -99 | 1.82 | 0.5 | 49 | 197 | 0.08% | 8.39 | 10 |
| 4 | 2044 | S | E. FAIRBANKS MERIDIAN | 1.05 | -99 | NA | 15 | -99 | NA | NA | NA | 230 | -99 | -99 | 22.31 | -99 | 28 | 90 | 0.03% | 2.61 | -99 |
| 5 | 1922 | RC | E. FAIRBANKS MERIDIAN | 2.34 | 2.5 | NA | 80 | -99 | NA | NA | NA | 810 | -99 | -99 | 3.13 | 9.5 | 27 | 176 | 1.44% | 7.05 | 10 |
| 5 | 1923 | S | E. FAIRBANKS MERIDIAN | 2.00 | 4.0 | NA | 55 | -99 | NA | NA | NA | 710 | -99 | -99 | 2.79 | 7 | 39 | 128 | 1.82% | 4.34 | -99 |
| 5 | 1924 | RC | E. FAIRBANKS MERIDIAN | 0.55 | 12.5 | NA | 95 | 190 | NA | NA | NA | 10 | -99 | -99 | 0.21 | 4.5 | 8 | 124 | 2767 | 3.58 | -99 |
| 5 | 1926 | CC | E. FAIRBANKS MERIDIAN | 0.85 | 18.5 | NA | 1575 | 510 | NA | NA | NA | 80 | -99 | -99 | 1.67 | 24 | 25 | 180 | 1.00% | 10.22 | 10 |
| 6 | 1925 | SC | E. FAIRBANKS MERIDIAN | 0.53 | 2.0 | NA | 190 | 20 | NA | NA | NA | 60 | -99 | -99 | 0.03 | 1.5 | 18 | 111 | 2055 | 12.20 | -99 |
| 6 | 1927 | CC | E. FAIRBANKS MERIDIAN | 2.13 | 1.5 | NA | 110 | -99 | NA | NA | NA | 840 | 1.0 | -99 | 5.89 | 13 | 24 | 131 | 8576 | 3.09 | 10 |
| 7 | 1928 | S | E. FAIRBANKS MERIDIAN | 0.32 | 17.5 | NA | 99999 | 230 | NA | NA | NA | 20 | -99 | 10 | 0.20 | 80.5 | 80 | 121 | 0.40% | 99999 | -99 |
| 7 | 1929 | CC | E. FAIRBANKS MERIDIAN | 0.74 | 9.0 | NA | 125 | 45 | NA | NA | NA | 110 | -99 | 2 | 0.52 | 1 | 13 | 108 | 414 | 6.84 | -99 |
| 7 | 1930 | CC | E. FAIRBANKS MERIDIAN | 0.70 | 19.0 | NA | 6195 | 250 | NA | NA | NA | 40 | 1.0 | 8 | 0.09 | 69.5 | 27 | 141 | 0.39% | 10.74 | -99 |
| 7 | 1931 | CC | E. FAIRBANKS MERIDIAN | 2.79 | 1.0 | NA | 80 | 10 | NA | NA | NA | 70 | 0.5 | 2 | 8.71 | 2 | 12 | 113 | 104 | 2.94 | 10 |
| 8 | 2043 | RC | VABM 5756 FORK | 3.90 | 0.5 | NA | 10 | -99 | NA | NA | NA | 1310 | 0.5 | -99 | 0.68 | 0.5 | 11 | 136 | 181 | 1.50 | -99 |
| 9 | 1891 | G | VABM 5756 FORK | 0.81 | -99 | NA | 5 | -99 | NA | NA | NA | 270 | -99 | -99 | 10.48 | 2 | 5 | 194 | 11 | 0.64 | 20 |
| 9 | 1892 | G | VABM 5756 FORK | 4.71 | -99 | NA | 10 | -99 | NA | NA | NA | 1920 | 1.0 | 2 | 15.13 | 0.5 | 12 | 106 | 41 | 1.74 | 30 |
| 10 | 1893 | G | W. Fk. Susitna Gl. | 7.34 | 1.0 | NA | -99 | -99 | NA | NA | NA | 1040 | -99 | -99 | 0.46 | -99 | 32 | 239 | 101 | 6.32 | -99 |
| 10 | 1894 | G | W. Fk. Susitna Gl. | 0.35 | 34.5 | NA | -99 | 145 | NA | NA | NA | 30 | -99 | 50 | 0.12 | 9.5 | 5 | 181 | 15 | 0.61 | -99 |
| 11 | 2045 | RC | W. Fk. Susitna Gl. | 9.60 | 0.5 | NA | -99 | -99 | NA | NA | NA | 4420 | 0.5 | -99 | 3.67 | -99 | 16 | 388 | 69 | 4.05 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2051 | S | NENANA CLAIMS | 6 | 0.04 | -99 | 1.01 | 89 | -99 | 4 | 520 | 176 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 14 | 20 | 5638 |
| 1 | 2052 | S | NENANA CLAIMS | 1 | 0.07 | -99 | 3.43 | 1069 | -99 | 24 | 860 | 168 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 52 | 50 | 3102 |
| 2 | 1934 | CC | W. Fk. Susitna Gl. | -99 | 0.04 | -99 | 0.05 | 26 | 4 | 3 | 50 | 6 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 11 | -99 | 23 |
| 2 | 1935 | CC | W. Fk. Susitna Gl. | -99 | 0.55 | -99 | 0.24 | 156 | 46 | 17 | 220 | 44 | NA | NA | 5 | NA | 0.05 | -99 | -99 | 79 | 10 | 316 |
| 2 | 1936 | CC | W. Fk. Susitna Gl. | -99 | 0.07 | -99 | 0.12 | 58 | -99 | 16 | 40 | 12 | NA | NA | -99 | NA | 0.02 | -99 | -99 | 15 | -99 | 382 |
| 3 | 1797 | RC | W. Fk. Susitna Gl. | -99 | 0.64 | -99 | 1.00 | 114 | 52 | 104 | 480 | 82 | NA | NA | 10 | NA | 0.08 | -99 | -99 | 111 | -99 | 1372 |
| 4 | 1932 | CC | E. FAIRBANKS MERIDIAN | 3 | 1.08 | 20 | 0.97 | 87 | 34 | 79 | 680 | 124 | NA | NA | 5 | NA | 0.28 | -99 | -99 | 124 | 50 | 0.11% |
| 4 | 1933 | CC | E. FAIRBANKS MERIDIAN | -99 | 1.10 | 20 | 2.08 | 358 | 13 | 64 | 590 | 14 | NA | NA | 5 | NA | 0.62 | -99 | -99 | 186 | 30 | 0.01% |
| 4 | 2044 | S | E. FAIRBANKS MERIDIAN | -99 | 0.13 | -99 | 0.32 | 1249 | 3 | 47 | 170 | 22 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 13 | 10 | 21 |
| 5 | 1922 | RC | E. FAIRBANKS MERIDIAN | -99 | 0.72 | 20 | 0.27 | 171 | -99 | 11 | 1070 | 10 | NA | NA | 5 | NA | 0.10 | -99 | -99 | 31 | 180 | 1080 |
| 5 | 1923 | S | E. FAIRBANKS MERIDIAN | -99 | 0.53 | 20 | 0.37 | 510 | -99 | 11 | 440 | 28 | NA | NA | 5 | NA | 0.06 | -99 | -99 | 27 | 250 | 854 |
| 5 | 1924 | RC | E. FAIRBANKS MERIDIAN | -99 | -99 | 10 | 0.69 | 140 | -99 | 2 | 250 | 32 | NA | NA | -99 | NA | 0.02 | -99 | -99 | 5 | 30 | 576 |
| 5 | 1926 | CC | E. FAIRBANKS MERIDIAN | -99 | 0.11 | 10 | 1.28 | 164 | -99 | 4 | 310 | 144 | NA | NA | 5 | NA | 0.04 | -99 | -99 | 14 | 130 | 2458 |
| 6 | 1925 | SC | E. FAIRBANKS MERIDIAN | -99 | -99 | -99 | 0.38 | 58 | -99 | 2 | 970 | 44 | NA | NA | 5 | NA | 0.04 | -99 | -99 | 14 | 10 | 396 |
| 6 | 1927 | CC | E. FAIRBANKS MERIDIAN | -99 | 0.59 | -99 | 0.29 | 488 | -99 | 11 | 1350 | 26 | NA | NA | 5 | NA | 0.09 | -99 | -99 | 41 | 120 | 1040 |
| 7 | 1928 | S | E. FAIRBANKS MERIDIAN | -99 | 0.01 | -99 | 0.79 | 101 | -99 | 15 | 620 | 810 | NA | NA | 25 | NA | 0.01 | -99 | -99 | 21 | 70 | 1.00% |
| 7 | 1929 | CC | E. FAIRBANKS MERIDIAN | -99 | 0.09 | 10 | 0.56 | 189 | -99 | 5 | 310 | 110 | NA | NA | -99 | NA | 0.02 | -99 | -99 | 20 | 10 | 306 |
| 7 | 1930 | CC | E. FAIRBANKS MERIDIAN | 1 | 0.06 | -99 | 0.68 | 66 | -99 | 8 | 590 | 780 | NA | NA | 10 | NA | 0.01 | -99 | -99 | 24 | 60 | 0.74% |
| 7 | 1931 | CC | E. FAIRBANKS MERIDIAN | -99 | 1.06 | -99 | 0.58 | 146 | 14 | 27 | 580 | 26 | NA | NA | 10 | NA | 0.09 | -99 | -99 | 60 | -99 | 145 |
| 8 | 2043 | RC | VABM 5756 FORK | -99 | 0.98 | 10 | 0.64 | 388 | 3 | 28 | 2510 | 10 | NA | NA | -99 | NA | 0.10 | -99 | -99 | 120 | -99 | 112 |
| 9 | 1891 | G | VABM 5756 FORK | 1 | 0.15 | -99 | 0.44 | 569 | 1 | 6 | 480 | 42 | NA | NA | 5 | NA | 0.01 | -99 | -99 | 15 | -99 | 133 |
| 9 | 1892 | G | VABM 5756 FORK | -99 | 1.33 | -99 | 1.89 | 710 | 4 | 21 | 2850 | 22 | NA | NA | 5 | NA | 0.10 | -99 | -99 | 124 | -99 | 122 |
| 10 | 1893 | G | W. Fk. Susitna Gl. | -99 | 0.59 | 10 | 3.63 | 320 | 2 | 42 | 500 | 6 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 265 | -99 | 114 |
| 10 | 1894 | G | W. Fk. Susitna Gl. | -99 | 0.01 | -99 | 0.03 | 70 | 1 | 8 | 60 | 2070 | NA | NA | -99 | NA | -99 | -99 | -99 | 3 | -99 | 596 |
| 11 | 2045 | RC | W. Fk. Susitna Gl. | 1 | 1.12 | -99 | 1.15 | 327 | 1 | 9 | 550 | 2 | NA | NA | -99 | NA | 0.44 | -99 | -99 | 246 | -99 | 50 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 1895 | G | W. Fk. Susitna Gl. | 0.16 | -99 | NA | 10 | -99 | NA | NA | NA | 110 | -99 | -99 | 21.18 | 1 | 6 | 126 | 5 | 0.59 | 30 |
| 12 | 1896 | S | W. Fk. Susitna Gl. | 0.22 | -99 | NA | 45 | -99 | NA | NA | NA | 50 | -99 | -99 | 0.46 | -99 | -99 | 187 | 24 | 0.35 | -99 |
| 12 | 1897 | S | W. Fk. Susitna Gl. | 0.83 | 0.5 | NA | 110 | 10 | NA | NA | NA | 340 | -99 | -99 | 0.03 | -99 | -99 | 249 | 30 | 0.60 | -99 |
| 12 | 1898 | S | W. Fk. Susitna Gl. | 1.22 | 0.5 | NA | 400 | 20 | NA | NA | NA | 440 | -99 | -99 | 0.02 | -99 | 4 | 237 | 11 | 1.09 | -99 |
| 12 | 1899 | S | W. Fk. Susitna Gl. | 4.22 | 0.5 | NA | 15 | 10 | NA | NA | NA | 900 | -99 | -99 | 2.36 | -99 | 26 | 161 | 528 | 5.75 | 10 |
| 13 | 2046 | CC | W. Fk. Susitna Gl. | 4.04 | -99 | NA | 60 | -99 | NA | NA | NA | 270 | -99 | -99 | 0.52 | -99 | 5 | 87 | 17 | 0.68 | -99 |
| 13 | 2047 | S | W. Fk. Susitna Gl. | 0.99 | -99 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | -99 | 0.26 | -99 | -99 | 180 | 6 | 0.28 | -99 |
| 13 | 2048 | CC | W. Fk. Susitna Gl. | 0.03 | -99 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | -99 | 0.86 | -99 | -99 | 224 | 4 | 0.18 | -99 |
| 14 | 2049 | CR | W. Fk. Susitna Gl. | 6.93 | 1.0 | NA | 5 | -99 | NA | NA | NA | 540 | 1.0 | 2 | 5.44 | -99 | 35 | 516 | 69 | 4.45 | -99 |
| 14 | 2050 | CC | W. Fk. Susitna Gl. | 4.04 | -99 | NA | -99 | -99 | NA | NA | NA | 80 | 0.5 | 4 | 17.99 | 0.5 | 11 | 156 | 17 | 1.21 | -99 |
| 15 | 1901 | S | LAMB PROSPECTORS | 9.44 | 0.5 | NA | 10 | 5 | NA | NA | NA | 2430 | 0.5 | 2 | 0.82 | -99 | 3 | 45 | 64 | 1.17 | -99 |
| 16 | 1700 | RC | LAMB PROSPECTORS | 7.69 | 0.5 | NA | 15 | -99 | NA | NA | NA | 430 | 1.0 | 2 | 1.29 | -99 | 5 | 44 | 11 | 1.18 | -99 |
| 17 | 1698 | RC | LAMB PROSPECTORS | 6.85 | 0.5 | NA | -99 | 15 | NA | NA | NA | 450 | 1.0 | 4 | 3.96 | -99 | 13 | 141 | 98 | 4.48 | -99 |
| 18 | 1577 | CR | LAMB PROSPECTORS | 7.17 | -99 | NA | -99 | -99 | NA | NA | NA | 310 | 3.0 | -99 | 0.74 | -99 | -99 | 68 | 9 | 0.34 | -99 |
| 18 | 1578 | CC | LAMB PROSPECTORS | 7.88 | -99 | NA | -99 | -99 | NA | NA | NA | 780 | 1.0 | -99 | 0.52 | 0.5 | 3 | 44 | 2 | 0.22 | -99 |
| 18 | 1579 | CR | LAMB PROSPECTORS | 7.57 | -99 | NA | -99 | -99 | NA | NA | NA | 460 | 1.0 | -99 | 0.80 | -99 | 2 | 40 | 6 | 0.35 | -99 |
| 19 | 1682 | S | LAMB PROSPECTORS | 8.74 | 2.5 | NA | -99 | 145 | NA | NA | NA | 80 | 3.0 | -99 | 0.58 | -99 | 35 | 25 | 0.50% | 11.36 | -99 |
| 19 | 1684 | S | LAMB PROSPECTORS | 8.38 | 0.5 | NA | -99 | 15 | NA | NA | NA | 380 | 2.0 | 2 | 1.26 | -99 | 7 | 96 | 245 | 0.82 | -99 |
| 20 | 1683 | S | LAMB PROSPECTORS | 8.14 | 0.5 | NA | -99 | 10 | NA | NA | NA | 470 | 3.0 | -99 | 0.90 | -99 | 6 | 39 | 295 | 0.65 | -99 |
| 21 | 1587 | P | LAMB PROSPECTORS | 6.96 | -99 | NA | 80 | NA | NA | -99 | 140 | 240 | 0.5 | -99 | 3.33 | -99 | 8 | 231 | 30 | 15.85 | -99 |
| 22 | 1565 | RC | Maclaren Glacier, E. | 7.64 | -99 | NA | 20 | 10 | NA | NA | NA | 1070 | 1.5 | -99 | 0.72 | -99 | 2 | 22 | 1 | 0.77 | -99 |
| 23 | 1832 | S | Two Plate Creek | 0.84 | 1.0 | NA | 45 | 5 | NA | NA | NA | 110 | -99 | -99 | 12.89 | -99 | 45 | 57 | 0.03% | 15.26 | 10 |
| 23 | 1834 | S | Two Plate Creek | 1.27 | 0.5 | NA | 95 | -99 | NA | NA | NA | 220 | -99 | -99 | 11.68 | 0.5 | -99 | 102 | 0.02% | 4.54 | 10 |
| 24 | 1833 | S | Two Plate Creek | 7.22 | 1.0 | NA | -99 | 10 | NA | NA | NA | 150 | -99 | -99 | 6.33 | -99 | 26 | 108 | 0.04% | 7.56 | 10 |
| 24 | 1835 | S | Two Plate Creek | 8.30 | 0.5 | NA | 20 | -99 | NA | NA | NA | 580 | -99 | -99 | 5.21 | 0.5 | 15 | 56 | 0.01% | 4.74 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 1895 | G | W. Fk. Susitna Gl. | -99 | 0.04 | -99 | 0.20 | 1796 | -99 | 3 | 140 | 14 | NA | NA | 5 | NA | 0.01 | -99 | -99 | 8 | -99 | 11 |
| 12 | 1896 | S | W. Fk. Susitna Gl. | -99 | 0.05 | -99 | 0.02 | 65 | -99 | 2 | 80 | 16 | NA | NA | -99 | NA | -99 | -99 | -99 | 8 | -99 | 6 |
| 12 | 1897 | S | W. Fk. Susitna Gl. | -99 | 0.28 | -99 | 0.05 | 31 | -99 | 6 | 130 | 12 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 39 | -99 | 21 |
| 12 | 1898 | S | W. Fk. Susitna Gl. | -99 | 0.44 | -99 | 0.07 | 20 | 1 | 5 | 230 | 10 | NA | NA | -99 | NA | 0.06 | -99 | -99 | 50 | -99 | 35 |
| 12 | 1899 | S | W. Fk. Susitna Gl. | -99 | 0.23 | 10 | 0.82 | 862 | -99 | 5 | 1060 | 2 | NA | NA | 5 | NA | 0.71 | -99 | -99 | 57 | 10 | 97 |
| 13 | 2046 | CC | W. Fk. Susitna Gl. | -99 | 0.16 | -99 | 0.10 | 148 | 1 | 10 | 170 | 2 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 14 | -99 | 3 |
| 13 | 2047 | S | W. Fk. Susitna Gl. | -99 | -99 | -99 | 0.05 | 91 | -99 | 2 | -99 | 2 | NA | NA | -99 | NA | -99 | -99 | -99 | -99 | -99 | 1 |
| 13 | 2048 | CC | W. Fk. Susitna Gl. | -99 | -99 | -99 | 0.01 | 65 | -99 | 2 | 10 | 2 | NA | NA | -99 | NA | -99 | -99 | -99 | 1 | -99 | -99 |
| 14 | 2049 | CR | W. Fk. Susitna Gl. | -99 | 0.99 | -99 | 4.68 | 849 | -99 | 114 | 550 | 2 | NA | NA | -99 | NA | 0.40 | -99 | -99 | 160 | -99 | 90 |
| 14 | 2050 | CC | W. Fk. Susitna Gl. | -99 | 0.02 | -99 | 2.18 | 418 | 1 | 18 | 660 | 4 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 70 | -99 | 40 |
| 15 | 1901 | S | LAMB PROSPECTORS | -99 | 7.53 | -99 | 0.18 | 194 | 4 | -99 | 420 | 16 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 30 | 200 | 11 |
| 16 | 1700 | RC | LAMB PROSPECTORS | -99 | 3.85 | -99 | 0.23 | 291 | 1 | 5 | 110 | 12 | NA | NA | -99 | NA | 0.09 | -99 | -99 | 8 | -99 | 27 |
| 17 | 1698 | RC | LAMB PROSPECTORS | -99 | 2.23 | -99 | 1.75 | 871 | -99 | 10 | 1090 | -99 | NA | NA | -99 | NA | 0.50 | -99 | -99 | 176 | 30 | 95 |
| 18 | 1577 | CR | LAMB PROSPECTORS | 3 | 2.56 | -99 | 0.03 | 140 | -99 | -99 | 20 | 30 | NA | NA | -99 | NA | 0.01 | -99 | -99 | -99 | -99 | -99 |
| 18 | 1578 | CC | LAMB PROSPECTORS | 2 | 4.75 | -99 | 0.04 | 58 | -99 | -99 | 50 | 20 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 4 |
| 18 | 1579 | CR | LAMB PROSPECTORS | 1 | 3.25 | -99 | 0.05 | 89 | 21 | -99 | 60 | 8 | NA | NA | -99 | NA | 0.03 | -99 | -99 | -99 | -99 | 3 |
| 19 | 1682 | S | LAMB PROSPECTORS | -99 | 8.83 | -99 | 0.36 | 242 | 31 | 3 | 1510 | 2 | NA | NA | 5 | NA | 0.26 | -99 | -99 | 129 | 170 | 91 |
| 19 | 1684 | S | LAMB PROSPECTORS | -99 | 3.06 | -99 | 0.06 | 323 | 12 | 4 | 160 | 8 | NA | NA | -99 | NA | 0.03 | -99 | -99 | -99 | -99 | 4 |
| 20 | 1683 | S | LAMB PROSPECTORS | -99 | 3.85 | -99 | 0.02 | 113 | 2 | 7 | 90 | 6 | NA | NA | -99 | NA | 0.01 | -99 | -99 | -99 | -99 | 3 |
| 21 | 1587 | P | LAMB PROSPECTORS | -99 | 0.60 | -99 | 1.45 | 4860 | -99 | 13 | 1040 | 2 | -99 | -99 | -99 | NA | 0.95 | -99 | -99 | 304 | 80 | 107 |
| 22 | 1565 | RC | Maclaren Glacier, E. | -99 | 1.17 | -99 | 0.03 | 197 | 2 | -99 | 190 | 20 | NA | NA | -99 | NA | -99 | -99 | -99 | -99 | -99 | 27 |
| 23 | 1832 | S | Two Plate Creek | -99 | 0.04 | -99 | 0.96 | 7275 | -99 | 16 | 290 | -99 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 25 | -99 | 167 |
| 23 | 1834 | S | Two Plate Creek | -99 | 0.41 | -99 | 4.86 | 1678 | -99 | 16 | 110 | -99 | NA | NA | 5 | NA | 0.11 | -99 | -99 | 51 | -99 | 47 |
| 24 | 1833 | S | Two Plate Creek | -99 | 0.28 | -99 | 2.76 | 1179 | -99 | 55 | 780 | -99 | NA | NA | -99 | NA | 1.44 | -99 | -99 | 347 | 10 | 85 |
| 24 | 1835 | S | Two Plate Creek | -99 | 1.57 | -99 | 1.98 | 807 | -99 | 2 | 1180 | -99 | NA | NA | -99 | NA | 0.30 | -99 | -99 | 213 | -99 | 49 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 1828 | S | Cathedral Creek | 2.16 | 0.5 | NA | -99 | NA | NA | NA | NA | 50 | -99 | -99 | 17.93 | -99 | 25 | 34 | 322 | 12.84 | 30 |
| 25 | 1829 | S | Cathedral Creek | 3.00 | 0.5 | NA | -99 | NA | NA | NA | NA | 30 | -99 | -99 | 19.21 | 0.5 | 16 | 67 | 88 | 11.04 | 40 |
| 26 | 1830 | S | Cathedral Creek | 2.16 | 0.5 | NA | 10 | NA | NA | NA | NA | 60 | -99 | -99 | 16.98 | -99 | 13 | 22 | 59 | 11.58 | 40 |
| 26 | 1831 | S | Cathedral Creek | 8.23 | 0.5 | NA | 35 | NA | NA | NA | NA | 800 | -99 | -99 | 6.32 | 0.5 | 28 | 164 | 0.03% | 5.89 | -99 |
| 27 | 1837 | S | Cathedral Creek | 9.16 | 0.5 | NA | 15 | -99 | NA | NA | NA | 1130 | 0.5 | 2 | 3.28 | -99 | 8 | 70 | 24 | 2.59 | -99 |
| 27 | 1838 | S | Cathedral Creek | 7.62 | 0.5 | NA | 10 | -99 | NA | NA | NA | 260 | -99 | -99 | 5.66 | -99 | 15 | 69 | 0.01% | 5.23 | -99 |
| 28 | 1839 | S | Cathedral Creek | 7.13 | 0.5 | NA | 15 | -99 | NA | NA | NA | 360 | -99 | -99 | 4.86 | -99 | 39 | 100 | 0.09% | 7.86 | 10 |
| 29 | 1836 | S | Cathedral Creek | 8.12 | 0.5 | NA | 30 | 20 | NA | NA | NA | 490 | -99 | -99 | 5.58 | -99 | 18 | 68 | 0.01% | 5.58 | 10 |
| 30 | 1840 | S | Cathedral Creek | 6.34 | 0.5 | NA | -99 | -99 | NA | NA | NA | 140 | 0.5 | -99 | 6.20 | -99 | 28 | 199 | 0.02% | 6.86 | -99 |
| 30 | 1841 | S | Cathedral Creek | 8.73 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1170 | 0.5 | 2 | 2.84 | -99 | 3 | 66 | 50 | 2.32 | -99 |
| 31 | 1844 | S | Cathedral Creek | 6.97 | 0.5 | NA | -99 | -99 | NA | NA | NA | 410 | -99 | -99 | 4.44 | -99 | 41 | 129 | 0.04% | 7.50 | 10 |
| 31 | 1845 | S | Cathedral Creek | 0.76 | 0.5 | NA | 140 | -99 | NA | NA | NA | 50 | -99 | 4 | 99999 | 1 | 13 | 108 | 0.01% | 1.47 | 20 |
| 32 | 1842 | S | Maclaren Glacier, W. | 3.54 | 0.5 | NA | 15 | -99 | NA | NA | NA | 180 | -99 | -99 | 2.44 | -99 | 1 | 37 | 27 | 3.20 | -99 |
| 32 | 1843 | CH | Maclaren Glacier, W. | 7.43 | 0.5 | NA | 105 | -99 | NA | NA | NA | 500 | -99 | -99 | 2.25 | 0.5 | 32 | 235 | 97 | 5.64 | 10 |
| 33 | 1564 | CC | Maclaren Glacier, E. | 3.15 | 0.5 | NA | -99 | -99 | NA | NA | NA | 430 | -99 | -99 | 3.20 | 0.5 | 5 | 150 | 28 | 2.00 | -99 |
| 33 | 1645 | RC | Maclaren Glacier, E. | 1.00 | 2.0 | NA | -99 | -99 | NA | NA | NA | 20 | -99 | 4 | 6.09 | -99 | 12 | 138 | 32 | 1.37 | 10 |
| 33 | 1646 | RC | Maclaren Glacier, E. | 2.60 | 3.0 | NA | 15 | -99 | NA | NA | NA | 70 | 0.5 | 8 | 11.98 | 0.5 | 31 | 51 | 30 | 6.71 | 20 |
| 34 | 1656 | S | Maclaren Glacier, E. | 1.11 | 2.5 | NA | -99 | -99 | NA | NA | NA | 240 | -99 | 4 | 7.23 | -99 | 12 | 74 | 76 | 1.94 | 10 |
| 35 | 1657 | S | Maclaren Glacier, E. | 0.78 | 3.0 | NA | 5 | 80 | NA | NA | NA | 120 | -99 | 4 | 9.02 | -99 | 14 | 94 | 276 | 3.66 | 10 |
| 35 | 1658 | RC | Maclaren Glacier, E. | 1.56 | 3.0 | NA | 15 | 185 | NA | NA | NA | 330 | -99 | 4 | 8.77 | 0.5 | 11 | 56 | 162 | 2.36 | 10 |
| 36 | 1662 | RC | Maclaren Glacier, E. | 2.09 | 3.5 | NA | 20 | -99 | NA | NA | 4 | 10 | -99 | -99 | 1.95 | -99 | 70 | 3812 | 108 | 6.32 | -99 |
| 36 | 1663 | S | Maclaren Glacier, E. | 0.74 | 0.5 | NA | 20 | -99 | NA | NA | 6 | 10 | -99 | 2 | 3.22 | -99 | 8 | 222 | 33 | 0.91 | -99 |
| 37 | 1568 | CR | Maclaren Glacier, E. | 0.74 | 1.5 | NA | -99 | -99 | NA | NA | NA | 30 | -99 | -99 | 1.70 | -99 | 77 | 2822 | 104 | 6.97 | -99 |
| 38 | 1567 | G | Maclaren Glacier, E. | 4.00 | 1.5 | NA | -99 | -99 | NA | NA | NA | 30 | -99 | -99 | 3.16 | -99 | 58 | 2473 | 100 | 6.76 | -99 |
| 39 | 1664 | RC | Maclaren Glacier, E. | 0.93 | 0.5 | NA | 25 | -99 | NA | NA | 4 | 10 | -99 | -99 | 5.41 | 0.5 | 64 | 3022 | 82 | 6.05 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25 | 1828 | S | Cathedral Creek | -99 | 0.12 | -99 | 1.98 | 4907 | -99 | 12 | 680 | 10 | NA | NA | 5 | NA | 0.09 | -99 | -99 | 277 | 120 | 122 |
| 25 | 1829 | S | Cathedral Creek | -99 | -99 | -99 | 1.13 | 9587 | -99 | 19 | 680 | 2 | NA | NA | 5 | NA | 0.15 | -99 | -99 | 585 | 50 | 141 |
| 26 | 1830 | S | Cathedral Creek | -99 | 0.01 | -99 | 1.16 | 5588 | -99 | 14 | 610 | 2 | NA | NA | 5 | NA | 0.03 | -99 | -99 | 377 | 70 | 45 |
| 26 | 1831 | S | Cathedral Creek | -99 | 0.70 | 20 | 3.83 | 1660 | -99 | 62 | 540 | 16 | NA | NA | -99 | NA | 0.51 | -99 | -99 | 240 | 20 | 90 |
| 27 | 1837 | S | Cathedral Creek | -99 | 1.60 | -99 | 0.93 | 723 | -99 | -99 | 780 | 4 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 86 | -99 | 46 |
| 27 | 1838 | S | Cathedral Creek | -99 | 0.48 | -99 | 2.95 | 1359 | -99 | 13 | 690 | 2 | NA | NA | 5 | NA | 1.01 | -99 | -99 | 281 | -99 | 93 |
| 28 | 1839 | S | Cathedral Creek | -99 | 0.79 | -99 | 2.85 | 1358 | 15 | 74 | 340 | -99 | NA | NA | -99 | NA | 1.07 | -99 | -99 | 267 | 10 | 106 |
| 29 | 1836 | S | Cathedral Creek | -99 | 1.56 | -99 | 2.22 | 870 | -99 | 6 | 1240 | -99 | NA | NA | -99 | NA | 0.33 | -99 | -99 | 244 | -99 | 58 |
| 30 | 1840 | S | Cathedral Creek | -99 | 0.35 | -99 | 3.52 | 1317 | -99 | 60 | 500 | -99 | NA | NA | -99 | NA | 0.83 | -99 | -99 | 293 | -99 | 83 |
| 30 | 1841 | S | Cathedral Creek | 2 | 1.77 | -99 | 0.78 | 606 | -99 | 1 | 620 | 6 | NA | NA | 15 | NA | 0.18 | -99 | -99 | 68 | -99 | 38 |
| 31 | 1844 | S | Cathedral Creek | -99 | 0.78 | -99 | 2.64 | 839 | -99 | 55 | 540 | 4 | NA | NA | -99 | NA | 0.80 | -99 | -99 | 263 | 10 | 100 |
| 31 | 1845 | S | Cathedral Creek | 1 | 0.17 | -99 | 0.27 | 952 | 9 | 47 | 360 | 10 | NA | NA | 5 | NA | 0.03 | -99 | -99 | 17 | -99 | 23 |
| 32 | 1842 | S | Maclaren Glacier, W. | -99 | 0.33 | -99 | 0.73 | 479 | -99 | -99 | 460 | 4 | NA | NA | -99 | NA | 0.65 | -99 | -99 | 164 | -99 | 26 |
| 32 | 1843 | CH | Maclaren Glacier, W. | -99 | 0.93 | 10 | 1.76 | 1025 | -99 | 204 | 620 | 10 | NA | NA | -99 | NA | 0.66 | -99 | -99 | 205 | -99 | 94 |
| 33 | 1564 | CC | Maclaren Glacier, E. | -99 | 0.32 | -99 | 1.41 | 879 | 2 | 13 | 220 | 4 | NA | NA | 5 | NA | 0.08 | -99 | -99 | 52 | 10 | 64 |
| 33 | 1645 | RC | Maclaren Glacier, E. | -99 | 0.08 | -99 | 0.66 | 395 | -99 | 9 | 110 | -99 | NA | NA | 45 | NA | 0.05 | -99 | -99 | 37 | -99 | 14 |
| 33 | 1646 | RC | Maclaren Glacier, E. | -99 | 0.32 | -99 | 3.89 | 1527 | -99 | 38 | 300 | -99 | NA | NA | 35 | NA | 0.17 | -99 | -99 | 151 | 50 | 87 |
| 34 | 1656 | S | Maclaren Glacier, E. | 1 | 0.19 | -99 | 0.33 | 1119 | -99 | -99 | 160 | 4 | NA | NA | 5 | NA | 0.04 | -99 | -99 | 34 | 10 | 26 |
| 35 | 1657 | S | Maclaren Glacier, E. | -99 | 0.12 | -99 | 1.37 | 1420 | -99 | 1 | 190 | -99 | NA | NA | 20 | NA | 0.02 | -99 | -99 | 46 | 30 | 50 |
| 35 | 1658 | RC | Maclaren Glacier, E. | -99 | 0.27 | -99 | 1.60 | 1984 | -99 | -99 | 230 | -99 | NA | NA | -99 | NA | 0.08 | -99 | -99 | 37 | 20 | 32 |
| 36 | 1662 | RC | Maclaren Glacier, E. | -99 | -99 | -99 | 17.42 | 1066 | -99 | 1934 | 130 | -99 | 16 | 15 | -99 | NA | 0.15 | -99 | -99 | 74 | -99 | 83 |
| 36 | 1663 | S | Maclaren Glacier, E. | 8 | -99 | -99 | 1.34 | 408 | -99 | 40 | 130 | -99 | -99 | -99 | 5 | NA | 0.02 | -99 | -99 | 27 | -99 | 12 |
| 37 | 1568 | CR | Maclaren Glacier, E. | -99 | -99 | -99 | 20.62 | 1067 | -99 | 2269 | 80 | -99 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 69 | -99 | 61 |
| 38 | 1567 | G | Maclaren Glacier, E. | -99 | 0.01 | -99 | 13.08 | 1057 | -99 | 1314 | 170 | -99 | NA | NA | -99 | NA | 0.27 | -99 | -99 | 110 | -99 | 70 |
| 39 | 1664 | RC | Maclaren Glacier, E. | -99 | -99 | -99 | 17.56 | 916 | -99 | 1726 | 120 | -99 | 14 | 15 | -99 | NA | 0.11 | -99 | -99 | 52 | -99 | 54 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 1665 | RC | Maclaren Glacier, E. | 9.07 | 0.5 | NA | 30 | -99 | NA | NA | 10 | 80 | 0.5 | 2 | 8.15 | -99 | 16 | 109 | 170 | 5.28 | -99 |
| 40 | 1582 | RC | UNNAMED | 1.97 | 0.5 | NA | -99 | -99 | NA | NA | NA | -99 | -99 | 2 | 2.09 | -99 | 6 | 122 | 6 | 1.16 | -99 |
| 41 | 1685 | S | Maclaren Glacier, E. | 1.38 | 0.5 | NA | -99 | 15 | NA | NA | NA | 10 | -99 | -99 | 1.80 | -99 | 89 | 1270 | 256 | 7.56 | -99 |
| 41 | 1686 | RC | Maclaren Glacier, E. | 8.18 | 0.5 | NA | 65 | -99 | NA | NA | NA | 180 | 0.5 | 2 | 3.80 | 0.5 | 18 | 41 | 72 | 4.15 | 10 |
| 41 | 1687 | RC | Maclaren Glacier, E. | 8.31 | 0.5 | NA | 35 | 5 | NA | NA | 6 | 240 | -99 | -99 | 4.09 | -99 | 26 | 32 | 228 | 8.44 | 10 |
| 41 | 1688 | RC | Maclaren Glacier, E. | 5.53 | 0.5 | NA | 15 | -99 | NA | NA | NA | 240 | 0.5 | 6 | 5.75 | -99 | 11 | 50 | 21 | 2.92 | 10 |
| 41 | 1689 | RC | Maclaren Glacier, E. | 8.55 | 0.5 | NA | 25 | -99 | NA | NA | NA | 350 | 0.5 | -99 | 2.82 | -99 | 14 | 41 | 271 | 3.51 | -99 |
| 41 | 1690 | RC | Maclaren Glacier, E. | 6.25 | 0.5 | NA | 265 | 5 | NA | NA | NA | 1520 | 0.5 | -99 | 1.67 | 6.5 | 21 | 82 | 127 | 3.81 | -99 |
| 41 | 1691 | RC | Maclaren Glacier, E. | 7.86 | 0.5 | NA | 45 | 15 | NA | NA | NA | 470 | 0.5 | 2 | 0.54 | 1 | 4 | 86 | 48 | 4.68 | -99 |
| 42 | 1581 | RC | UNNAMED | 8.04 | 1.0 | NA | -99 | -99 | NA | NA | NA | 540 | 0.5 | 2 | 4.09 | -99 | 33 | 90 | 104 | 6.29 | 10 |
| 43 | 1580 | CR | Maclaren Glacier, E. | 5.73 | 1.5 | NA | 95 | -99 | NA | NA | NA | 1600 | 0.5 | 2 | 5.43 | 2 | 7 | 124 | 9 | 2.12 | 10 |
| 44 | 1566 | S | Maclaren Glacier, E. | 7.66 | 1.0 | NA | 50 | 45 | NA | NA | NA | 250 | -99 | -99 | 4.02 | -99 | 16 | 105 | 64 | 3.55 | 10 |
| 44 | 1659 | G | Maclaren Glacier, E. | 7.59 | 2.0 | NA | 15 | 10 | NA | NA | NA | 2510 | 0.5 | 2 | 1.60 | 0.5 | 6 | 67 | 58 | 2.15 | -99 |
| 45 | 1660 | CC | Maclaren Glacier, E. | 8.09 | 1.5 | NA | 35 | -99 | NA | NA | NA | 1000 | 1.0 | 6 | 0.45 | -99 | 4 | 50 | 45 | 4.61 | -99 |
| 45 | 1661 | RC | Maclaren Glacier, E. | 6.29 | 2.5 | NA | 45 | -99 | NA | NA | NA | 1000 | 1.5 | 4 | 1.50 | -99 | 17 | 69 | 179 | 6.40 | 10 |
| 46 | 1651 | RC | KATHLEEN MARGARET | 2.77 | 0.5 | NA | 145 | 760 | NA | NA | NA | 70 | -99 | 2 | 16.02 | 1.5 | 16 | 133 | 0.02% | 6.13 | -99 |
| 46 | 1652 | S | KATHLEEN MARGARET | 8.43 | 9.0 | NA | -99 | 45 | NA | NA | NA | 20 | -99 | -99 | 14.37 | -99 | 14 | 120 | 3.17% | 7.01 | -99 |
| 46 | 1653 | RC | KATHLEEN MARGARET | 6.36 | 0.5 | NA | 10 | 15 | NA | NA | NA | 10 | -99 | -99 | 7.46 | -99 | 34 | 230 | 0.15% | 6.95 | -99 |
| 46 | 1654 | RC | KATHLEEN MARGARET | 6.92 | 2.5 | NA | 5 | 10 | NA | NA | NA | 30 | -99 | -99 | 5.15 | 0.5 | 37 | 231 | 0.57% | 7.63 | -99 |
| 46 | 1655 | RC | KATHLEEN MARGARET | 7.00 | 5.0 | NA | 5 | 10 | NA | NA | NA | 10 | -99 | -99 | 5.49 | 0.5 | 39 | 240 | 1.30% | 7.78 | -99 |
| 47 | 1649 | G | KATHLEEN MARGARET | 0.31 | 60.0 | NA | 820 | NA | 0.063 | NA | NA | 60 | -99 | -99 | 9.29 | 24.5 | 20 | 100 | 5.40% | 2.30 | 10 |
| 47 | 1650 | RC | KATHLEEN MARGARET | 7.60 | 0.5 | NA | 5 | NA | -99 | NA | NA | 80 | -99 | -99 | 6.05 | -99 | 27 | 210 | 0.03% | 6.59 | -99 |
| 47 | 1821 | S | KATHLEEN MARGARET | - | - | NA | - | NA | NA | NA | NA | - | - | - | - | - | - | - | - | - | - |
| 48 | 1641 | CC | KATHLEEN MARGARET | 0.01 | 54.0 | NA | 165 | NA | 0.081 | NA | NA | 10 | -99 | 930 | 2.28 | 2 | 42 | 62 | 38.40% | 18.93 | -99 |
| 48 | 1642 | CC | KATHLEEN MARGARET | -99 | 20.5 | NA | 75 | NA | 0.010 | NA | NA | -99 | -99 | 1044 | 0.75 | -99 | 43 | 9 | 32.60% | 99999 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 39 | 1665 | RC | Maclaren Glacier, E. | -99 | 0.06 | -99 | 5.04 | 1028 | -99 | 31 | 240 | -99 | 4 | 5 | 5 | NA | 0.17 | -99 | -99 | 124 | 40 | 58 |
| 40 | 1582 | RC | UNNAMED | -99 | 0.01 | -99 | 0.12 | 166 | -99 | 1 | 80 | 12 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 49 | -99 | 11 |
| 41 | 1685 | S | Maclaren Glacier, E. | -99 | 0.01 | -99 | 19.98 | 962 | -99 | 2389 | 260 | -99 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 53 | 10 | 58 |
| 41 | 1686 | RC | Maclaren Glacier, E. | 6 | 0.22 | -99 | 0.79 | 726 | -99 | 23 | 1090 | -99 | NA | NA | 5 | NA | 0.39 | -99 | -99 | 130 | 20 | 58 |
| 41 | 1687 | RC | Maclaren Glacier, E. | 3 | 0.56 | -99 | 2.17 | 762 | -99 | 22 | 790 | -99 | 12 | 5 | -99 | NA | 0.39 | -99 | -99 | 286 | 50 | 34 |
| 41 | 1688 | RC | Maclaren Glacier, E. | 2 | 0.11 | -99 | 1.52 | 718 | -99 | 34 | 340 | -99 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 51 | 20 | 35 |
| 41 | 1689 | RC | Maclaren Glacier, E. | -99 | 0.91 | -99 | 1.09 | 718 | -99 | 5 | 980 | -99 | NA | NA | 25 | NA | 0.26 | -99 | -99 | 115 | 10 | 37 |
| 41 | 1690 | RC | Maclaren Glacier, E. | 2 | 1.40 | 10 | 0.62 | 1502 | 10 | 70 | 990 | 8 | NA | NA | 565 | NA | 0.27 | -99 | -99 | 161 | 40 | 282 |
| 41 | 1691 | RC | Maclaren Glacier, E. | -99 | 1.26 | -99 | 0.61 | 192 | -99 | 30 | 570 | -99 | NA | NA | -99 | NA | 0.33 | -99 | -99 | 147 | 20 | 165 |
| 42 | 1581 | RC | UNNAMED | 3 | 0.72 | -99 | 2.55 | 1147 | -99 | 37 | 620 | -99 | NA | NA | -99 | NA | 0.45 | -99 | -99 | 235 | 40 | 70 |
| 43 | 1580 | CR | Maclaren Glacier, E. | 2 | 1.85 | -99 | 0.48 | 1126 | 2 | 23 | 1730 | 10 | NA | NA | 5 | NA | 0.28 | -99 | -99 | 139 | 10 | 156 |
| 44 | 1566 | S | Maclaren Glacier, E. | 1 | 2.89 | -99 | 1.52 | 986 | -99 | 34 | 830 | 2 | NA | NA | 5 | NA | 0.20 | -99 | -99 | 131 | 30 | 36 |
| 44 | 1659 | G | Maclaren Glacier, E. | 2 | 2.02 | -99 | 0.65 | 266 | 3 | 1 | 640 | 4 | NA | NA | 5 | NA | 0.26 | -99 | -99 | 92 | 10 | 30 |
| 45 | 1660 | CC | Maclaren Glacier, E. | -99 | 1.49 | 10 | 0.93 | 301 | 2 | 1 | 930 | 6 | NA | NA | -99 | NA | 0.27 | -99 | -99 | 124 | 30 | 36 |
| 45 | 1661 | RC | Maclaren Glacier, E. | 1 | 0.85 | -99 | 0.75 | 691 | -99 | 17 | 800 | 6 | NA | NA | 5 | NA | 0.15 | -99 | -99 | 75 | 40 | 88 |
| 46 | 1651 | RC | KATHLEEN MARGARET | 2 | 0.85 | -99 | 3.90 | 1790 | -99 | 52 | 370 | 20 | NA | NA | 5 | NA | 0.66 | -99 | -99 | 160 | 30 | 68 |
| 46 | 1652 | S | KATHLEEN MARGARET | -99 | 0.13 | -99 | 0.88 | 894 | -99 | 15 | -99 | 18 | NA | NA | -99 | NA | 0.95 | -99 | -99 | 440 | 480 | 276 |
| 46 | 1653 | RC | KATHLEEN MARGARET | -99 | 0.06 | -99 | 3.30 | 1093 | -99 | 85 | 920 | 14 | NA | NA | -99 | NA | 1.42 | -99 | -99 | 333 | 20 | 100 |
| 46 | 1654 | RC | KATHLEEN MARGARET | -99 | 0.09 | 20 | 3.55 | 1396 | -99 | 82 | 820 | 18 | NA | NA | 5 | NA | 1.46 | -99 | -99 | 361 | 80 | 147 |
| 46 | 1655 | RC | KATHLEEN MARGARET | 2 | 0.06 | 10 | 3.61 | 1079 | -99 | 81 | 560 | 18 | NA | NA | -99 | NA | 1.59 | -99 | -99 | 376 | 200 | 203 |
| 47 | 1649 | G | KATHLEEN MARGARET | 54 | 0.03 | -99 | 0.08 | 883 | -99 | 7 | -99 | 38 | NA | NA | 1935 | NA | 0.03 | -99 | -99 | 15 | 790 | 614 |
| 47 | 1650 | RC | KATHLEEN MARGARET | -99 | 0.26 | 20 | 3.88 | 1120 | -99 | 83 | 580 | 10 | NA | NA | 5 | NA | 1.01 | -99 | -99 | 298 | 20 | 74 |
| 47 | 1821 | S | KATHLEEN MARGARET | - | - | - | - | - | - | - | - | - | NA | NA | - | NA | - | - | - | - | NA | - |
| 48 | 1641 | CC | KATHLEEN MARGARET | -99 | 0.01 | 20 | 0.05 | 707 | -99 | 6 | 6140 | 40 | NA | NA | 20 | NA | -99 | -99 | -99 | 6 | 1770 | 1762 |
| 48 | 1642 | CC | KATHLEEN MARGARET | -99 | -99 | 10 | 0.02 | 256 | -99 | 1 | 7110 | 12 | NA | NA | 30 | NA | -99 | -99 | -99 | -99 | 1950 | 1937 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 1643 | CC | KATHLEEN MARGARET | 0.05 | 16.5 | NA | 95 | NA | 0.042 | NA | NA | -99 | -99 | -99 | 0.13 | 1 | 27 | 72 | 14.60% | 9.71 | -99 |
| 48 | 1644 | CC | KATHLEEN MARGARET | 0.20 | 27.5 | NA | 440 | NA | 0.119 | NA | NA | -99 | -99 | -99 | 0.06 | 3.5 | 10 | 249 | 6.89% | 2.59 | -99 |
| 48 | 1647 | G | KATHLEEN MARGARET | 0.21 | 7.5 | NA | 80 | NA | 0.012 | NA | NA | -99 | -99 | -99 | 1.19 | 0.5 | 6 | 260 | 1.64% | 0.89 | -99 |
| 48 | 1648 | RC | KATHLEEN MARGARET | 7.73 | 0.5 | NA | 10 | NA | -99 | NA | NA | 70 | -99 | -99 | 5.07 | -99 | 25 | 148 | 0.01% | 6.21 | -99 |
| 49 | 1822 | S | KATHLEEN MARGARET | 3.91 | 0.5 | NA | 25 | NA | NA | NA | NA | -99 | -99 | -99 | 5.07 | 0.5 | 14 | 228 | 0.15% | 4.07 | -99 |
| 49 | 1823 | S | KATHLEEN MARGARET | 7.32 | 0.5 | NA | -99 | NA | NA | NA | NA | 40 | -99 | -99 | 5.42 | -99 | 25 | 123 | 176 | 6.20 | -99 |
| 49 | 1824 | CH | KATHLEEN MARGARET | 2.37 | 1.0 | NA | 25 | NA | NA | NA | NA | 20 | -99 | -99 | 3.35 | 0.5 | 11 | 192 | 0.31% | 2.31 | 10 |
| 49 | 1825 | G | KATHLEEN MARGARET | 0.36 | 1.0 | NA | 15 | NA | NA | NA | NA | -99 | -99 | -99 | 6.44 | 0.5 | 6 | 170 | 0.37% | 0.64 | 10 |
| 49 | 1826 | S | KATHLEEN MARGARET | 0.97 | 60.0 | NA | 285 | NA | NA | NA | NA | -99 | -99 | -99 | 3.13 | 2.5 | 17 | 154 | 9.47% | 1.99 | -99 |
| 49 | 1827 | CH | KATHLEEN MARGARET | 1.91 | 0.5 | NA | 75 | NA | NA | NA | NA | 10 | -99 | -99 | 4.75 | 0.5 | 14 | 185 | 0.15% | 2.03 | 10 |
| 50 | 1666 | RC | MT. VIEW LODE | 7.67 | 0.5 | NA | 15 | 10 | NA | NA | NA | 50 | 1.0 | 4 | 6.66 | 0.5 | 36 | 262 | 37 | 7.09 | -99 |
| 51 | 1576 | P | THREE BEARS E. FORK | 6.42 | 1.0 | NA | 40 | NA | NA | -99 | 4800 | 800 | 0.5 | -99 | 3.42 | 0.5 | 16 | 992 | 44 | 12.24 | -99 |
| 52 | 1569 | S | Maclaren Glacier, E. | 5.02 | 2.5 | NA | -99 | 15 | NA | NA | NA | -99 | -99 | -99 | 6.01 | -99 | 7 | 119 | 0.50% | 3.47 | -99 |
| 53 | 1573 | CC | GREENSTONE OCCURRENCE | 0.72 | -99 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | -99 | 0.42 | -99 | 3 | 222 | 31 | 0.44 | -99 |
| 53 | 1574 | CC | GREENSTONE OCCURRENCE | 1.17 | -99 | NA | -99 | -99 | NA | NA | NA | 20 | -99 | 2 | 0.39 | -99 | 5 | 211 | 41 | 0.63 | -99 |
| 53 | 1575 | CR | GREENSTONE OCCURRENCE | 4.51 | 1.0 | NA | -99 | -99 | NA | NA | NA | -99 | 0.5 | 4 | 5.38 | -99 | 21 | 199 | 18 | 4.58 | -99 |
| 53 | 1667 | CC | GREENSTONE OCCURRENCE | 1.54 | 0.5 | NA | 10 | -99 | NA | NA | NA | -99 | -99 | 4 | 2.51 | -99 | 8 | 169 | 31 | 1.34 | -99 |
| 53 | 1668 | CC | GREENSTONE OCCURRENCE | 2.01 | 0.5 | NA | -99 | -99 | NA | NA | NA | 10 | 0.5 | -99 | 1.65 | -99 | 6 | 182 | 220 | 1.82 | -99 |
| 53 | 1669 | S | GREENSTONE OCCURRENCE | 0.56 | 6.0 | NA | -99 | 145 | NA | NA | NA | 10 | -99 | -99 | 0.10 | -99 | 7 | 143 | 2.15% | 0.36 | -99 |
| 53 | 1671 | CC | GREENSTONE OCCURRENCE | 3.34 | 1.0 | NA | -99 | 25 | NA | NA | NA | -99 | 0.5 | -99 | 3.17 | -99 | 14 | 169 | 0.31% | 2.72 | -99 |
| 53 | 1672 | CC | GREENSTONE OCCURRENCE | 1.81 | 0.5 | NA | -99 | 5 | NA | NA | NA | -99 | 0.5 | -99 | 2.97 | -99 | 5 | 134 | 225 | 1.55 | -99 |
| 53 | 1673 | CC | GREENSTONE OCCURRENCE | 2.53 | 1.0 | NA | 5 | 25 | NA | NA | NA | 20 | -99 | -99 | 1.80 | -99 | 7 | 153 | 3208 | 1.70 | -99 |
| 53 | 1674 | CC | GREENSTONE OCCURRENCE | 5.47 | 1.0 | NA | -99 | 90 | NA | NA | NA | 40 | -99 | -99 | 6.23 | -99 | 11 | 167 | 3432 | 4.67 | -99 |
| 54 | 1670 | S | GREENTREE/SUNSHINE | 2.42 | 0.5 | NA | -99 | 10 | NA | NA | NA | -99 | -99 | -99 | 3.65 | -99 | 2 | 250 | 0.12% | 2.21 | -99 |
| 55 | 1570 | CC | Maclaren Glacier, E. | 6.15 | 1.5 | NA | -99 | 30 | NA | NA | NA | 10 | -99 | -99 | 8.01 | 0.5 | 18 | 228 | 0.21% | 5.46 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 48 | 1643 | CC | KATHLEEN MARGARET | 1 | 0.01 | -99 | 0.03 | 403 | -99 | 4 | -99 | 10 | NA | NA | 15 | NA | -99 | -99 | -99 | 9 | 1520 | 949 |
| 48 | 1644 | CC | KATHLEEN MARGARET | 3 | 0.01 | -99 | 0.04 | 58 | -99 | 6 | -99 | 4 | NA | NA | 10 | NA | 0.02 | -99 | -99 | 11 | 720 | 364 |
| 48 | 1647 | G | KATHLEEN MARGARET | 2 | -99 | 10 | 0.06 | 151 | 4 | 6 | -99 | 2 | NA | NA | 25 | NA | 0.02 | -99 | -99 | 11 | 270 | 128 |
| 48 | 1648 | RC | KATHLEEN MARGARET | -99 | 0.25 | 20 | 3.50 | 1117 | -99 | 61 | 500 | 2 | NA | NA | 5 | NA | 0.88 | -99 | -99 | 268 | 20 | 72 |
| 49 | 1822 | S | KATHLEEN MARGARET | -99 | -99 | 20 | 1.62 | 567 | -99 | 35 | 340 | 2 | NA | NA | 5 | NA | 0.60 | -99 | -99 | 149 | 30 | 40 |
| 49 | 1823 | S | KATHLEEN MARGARET | -99 | 0.09 | 20 | 3.08 | 1043 | -99 | 57 | 600 | 2 | NA | NA | 5 | NA | 0.99 | -99 | -99 | 266 | 20 | 73 |
| 49 | 1824 | CH | KATHLEEN MARGARET | -99 | 0.30 | 10 | 0.80 | 447 | -99 | 21 | 100 | 64 | NA | NA | -99 | NA | 0.28 | -99 | -99 | 90 | 50 | 68 |
| 49 | 1825 | G | KATHLEEN MARGARET | 1 | 0.03 | -99 | 0.10 | 416 | -99 | 4 | -99 | 4 | NA | NA | 5 | NA | 0.02 | -99 | -99 | 13 | 50 | 38 |
| 49 | 1826 | S | KATHLEEN MARGARET | 2 | 0.06 | 10 | 0.58 | 425 | -99 | 13 | -99 | 8 | NA | NA | 5 | NA | 0.10 | -99 | -99 | 49 | 1170 | 646 |
| 49 | 1827 | CH | KATHLEEN MARGARET | -99 | 0.18 | 10 | 0.88 | 590 | -99 | 22 | 130 | 2 | NA | NA | -99 | NA | 0.23 | -99 | -99 | 76 | 20 | 36 |
| 50 | 1666 | RC | MT. VIEW LODE | -99 | 0.16 | -99 | 4.08 | 1250 | -99 | 102 | 600 | -99 | NA | NA | 10 | NA | 0.85 | -99 | -99 | 266 | 40 | 88 |
| 51 | 1576 | P | THREE BEARS E. FORK | 84 | 0.43 | 10 | 1.88 | 5014 | -99 | 80 | 540 | 6 | 6 | 40 | 10 | NA | 1.88 | 10 | -99 | 317 | 270 | 115 |
| 52 | 1569 | S | Maclaren Glacier, E. | -99 | -99 | -99 | 0.31 | 330 | -99 | 19 | -99 | 2 | NA | NA | -99 | NA | 0.06 | -99 | -99 | 175 | 100 | 42 |
| 53 | 1573 | CC | GREENSTONE OCCURRENCE | 1 | 0.16 | -99 | 0.08 | 99 | -99 | 3 | 30 | 8 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 25 | -99 | 2 |
| 53 | 1574 | CC | GREENSTONE OCCURRENCE | 2 | 0.34 | -99 | 0.17 | 110 | 1 | 6 | 110 | 10 | NA | NA | -99 | NA | 0.19 | -99 | -99 | 61 | -99 | 7 |
| 53 | 1575 | CR | GREENSTONE OCCURRENCE | 3 | -99 | -99 | 1.32 | 656 | -99 | 33 | 620 | 6 | NA | NA | 5 | NA | 0.90 | -99 | -99 | 214 | 30 | 43 |
| 53 | 1667 | CC | GREENSTONE OCCURRENCE | 3 | 0.01 | -99 | 0.33 | 290 | -99 | 11 | 230 | -99 | NA | NA | 5 | NA | 0.24 | -99 | -99 | 79 | -99 | 14 |
| 53 | 1668 | CC | GREENSTONE OCCURRENCE | 4 | 0.15 | -99 | 0.51 | 275 | -99 | 20 | 360 | -99 | NA | NA | 5 | NA | 0.41 | -99 | -99 | 105 | 10 | 21 |
| 53 | 1669 | S | GREENSTONE OCCURRENCE | 2 | 0.12 | -99 | 0.09 | 42 | -99 | 3 | -99 | -99 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 19 | 370 | 157 |
| 53 | 1671 | CC | GREENSTONE OCCURRENCE | 1 | 0.02 | -99 | 0.85 | 440 | -99 | 25 | 330 | -99 | NA | NA | 5 | NA | 0.51 | -99 | -99 | 155 | 60 | 50 |
| 53 | 1672 | CC | GREENSTONE OCCURRENCE | 1 | 0.01 | -99 | 0.13 | 212 | -99 | 7 | 170 | -99 | NA | NA | -99 | NA | 0.18 | -99 | -99 | 88 | -99 | 6 |
| 53 | 1673 | CC | GREENSTONE OCCURRENCE | 8 | 0.31 | -99 | 0.41 | 283 | -99 | 14 | 150 | 6 | NA | NA | -99 | NA | 0.28 | -99 | -99 | 109 | 50 | 39 |
| 53 | 1674 | CC | GREENSTONE OCCURRENCE | 2 | 0.27 | -99 | 0.69 | 450 | -99 | 24 | 570 | -99 | NA | NA | -99 | NA | 0.76 | -99 | -99 | 240 | 80 | 46 |
| 54 | 1670 | S | GREENTREE/SUNSHINE | 3 | -99 | -99 | 0.18 | 236 | -99 | 8 | 130 | -99 | NA | NA | -99 | NA | 0.32 | -99 | -99 | 114 | 10 | 15 |
| 55 | 1570 | CC | Maclaren Glacier, E. | -99 | -99 | -99 | 0.97 | 705 | -99 | 35 | 510 | -99 | NA | NA | -99 | NA | 0.87 | -99 | -99 | 275 | 70 | 50 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 1571 | S | Maclaren Glacier, E. | 2.27 | 0.5 | NA | -99 | -99 | NA | NA | NA | -99 | -99 | -99 | 2.74 | -99 | 12 | 213 | 0.03% | 2.26 | -99 |
| 55 | 1572 | CC | Maclaren Glacier, E. | 6.94 | 1.5 | NA | 5 | 10 | NA | NA | NA | 10 | 0.5 | 2 | 10.98 | -99 | 18 | 178 | 63 | 6.66 | -99 |
| 56 | 1693 | RC | Maclaren River | 7.74 | 1.0 | NA | 35 | 5 | NA | NA | NA | 10 | -99 | -99 | 11.18 | 1 | 29 | 165 | 7142 | 6.52 | 10 |
| 57 | 1583 | S | LAKE VIEW | 6.79 | 5.0 | NA | -99 | 5 | NA | NA | NA | 10 | -99 | -99 | 6.77 | -99 | 33 | 197 | 1.66% | 6.81 | 10 |
| 57 | 1584 | CC | LAKE VIEW | 3.31 | 9.0 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | -99 | 17.87 | -99 | 13 | 69 | 1.86% | 2.53 | 20 |
| 57 | 1692 | RC | LAKE VIEW | 7.13 | 1.0 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | -99 | 8.76 | -99 | 35 | 210 | 6473 | 6.14 | 20 |
| 58 | 1850 | P | COTTONWOOD CREEK | 7.28 | -99 | NA | -99 | NA | NA | -99 | 300 | 210 | 0.5 | -99 | 7.12 | 0.5 | 19 | 186 | 268 | 9.73 | -99 |
| 59 | 1849 | P | COTTONWOOD CREEK | 7.28 | 0.5 | NA | -99 | NA | NA | -99 | 90 | 230 | 0.5 | -99 | 7.25 | -99 | 16 | 178 | 144 | 9.94 | -99 |
| 60 | 1848 | P | COTTONWOOD CREEK | 7.37 | -99 | NA | -99 | NA | NA | -99 | 4500 | 330 | 0.5 | -99 | 6.96 | -99 | 23 | 175 | 122 | 8.94 | -99 |
| 61 | 1846 | S | COTTONWOOD CREEK LODE | 7.29 | 0.5 | NA | -99 | 5 | NA | NA | NA | 20 | -99 | -99 | 8.82 | -99 | 25 | 142 | 0.12% | 7.00 | -99 |
| 61 | 1847 | S | COTTONWOOD CREEK LODE | 7.84 | 6.5 | NA | -99 | 15 | NA | NA | NA | -99 | -99 | -99 | 10.02 | 1.5 | 20 | 158 | 0.79% | 6.82 | 10 |
| 62 | 1694 | RC | SHEBA HEAD | 7.21 | 0.5 | NA | 65 | -99 | NA | NA | NA | 90 | -99 | 2 | 3.60 | 0.5 | 49 | 108 | 122 | 8.39 | 10 |
| 62 | 1695 | S | SHEBA HEAD | 0.36 | 0.5 | NA | 30 | -99 | NA | NA | NA | -99 | -99 | -99 | 0.54 | -99 | 7 | 92 | 0.12% | 0.47 | -99 |
| 63 | 1696 | RC | W. Fk. Maclaren R. | 1.56 | 0.5 | NA | -99 | 10 | NA | NA | NA | -99 | -99 | -99 | 6.63 | -99 | 22 | 84 | 192 | 4.50 | 10 |
| 64 | 1697 | RC | W. Fk. Maclaren R. | 6.26 | 0.5 | NA | -99 | -99 | NA | NA | NA | 70 | -99 | 6 | 4.36 | -99 | 36 | 87 | 251 | 8.02 | -99 |
| 65 | 1586 | CC | W. Fk. Maclaren R. | 2.25 | 1.5 | NA | 35 | 5 | NA | NA | NA | 10 | -99 | 2 | 12.78 | 0.5 | 29 | 76 | 79 | 5.08 | 20 |
| 66 | 1585 | CR | W. Fk. Maclaren R. | 8.72 | 2.5 | NA | 10 | -99 | NA | NA | NA | 20 | 0.5 | 6 | 6.25 | 0.5 | 32 | 241 | 150 | 6.40 | 10 |
| 67 | 1675 | RC | ZACKLEY | 1.07 | 10.5 | NA | 45 | 1830 | 0.052 | NA | 1500 | 20 | 1.5 | -99 | 17.63 | 1 | 10 | 57 | 1.35% | 10.71 | 20 |
| 67 | 1681 | S | ZACKLEY | 1.14 | 84.0 | NA | 45 | 4200 | 0.180 | NA | 4300 | -99 | 1.5 | -99 | 17.03 | 1.5 | 27 | 65 | 7.10% | 12.86 | 20 |
| 68 | 1868 | P | ZACKLEY | 4.32 | -99 | NA | -99 | NA | NA | -99 | 9500 | 340 | -99 | -99 | 11.89 | 1.5 | 3 | 155 | 86 | 16.59 | -99 |
| 69 | 1867 | P | HONEY CREEK | 6.11 | 1.0 | NA | 20 | NA | NA | -99 | 6600 | 260 | 0.5 | -99 | 3.95 | -99 | -99 | 189 | 896 | 14.26 | 10 |
| 70 | 1866 | P | HONEY CREEK | 6.09 | 3.0 | NA | 25 | NA | NA | -99 | 99999 | 300 | 0.5 | -99 | 3.62 | 0.5 | 11 | 171 | 475 | 13.37 | 10 |
| 71 | 1864 | P | HONEY CREEK | 7.11 | 1.5 | NA | 45 | NA | NA | 0.001 | 1800 | 660 | 0.5 | 4 | 1.50 | -99 | 26 | 128 | 526 | 9.64 | -99 |
| 72 | 1865 | P | HONEY CREEK | 6.79 | 2.0 | NA | 25 | NA | NA | -99 | 99999 | 290 | 0.5 | -99 | 4.09 | 0.5 | 44 | 169 | 845 | 10.73 | 10 |
| 73 | 1748 | RC | MEX CLAIMS | 5.52 | 1.0 | NA | 170 | 170 | NA | NA | NA | 60 | -99 | -99 | 3.55 | 1 | 32 | 91 | 766 | 9.38 | 20 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 55 | 1571 | S | Maclaren Glacier, E. | -99 | -99 | -99 | 0.60 | 367 | -99 | 15 | 120 | -99 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 87 | 10 | 22 |
| 55 | 1572 | CC | Maclaren Glacier, E. | -99 | -99 | -99 | 1.55 | 1152 | -99 | 36 | 720 | -99 | NA | NA | -99 | NA | 1.12 | -99 | -99 | 301 | 50 | 29 |
| 56 | 1693 | RC | Maclaren River | 1 | -99 | -99 | 2.02 | 977 | -99 | 57 | 640 | -99 | NA | NA | -99 | NA | 1.05 | -99 | -99 | 317 | 150 | 91 |
| 57 | 1583 | S | LAKE VIEW | 2 | -99 | -99 | 3.01 | 926 | -99 | 61 | -99 | -99 | NA | NA | -99 | NA | 0.88 | -99 | -99 | 269 | 310 | 171 |
| 57 | 1584 | CC | LAKE VIEW | 1 | 0.20 | -99 | 0.47 | 787 | -99 | 10 | -99 | -99 | NA | NA | 5 | NA | 0.21 | -99 | -99 | 125 | 360 | 156 |
| 57 | 1692 | RC | LAKE VIEW | -99 | -99 | -99 | 2.59 | 873 | -99 | 62 | 430 | -99 | NA | NA | -99 | NA | 0.79 | -99 | -99 | 254 | 130 | 89 |
| 58 | 1850 | P | COTTONWOOD CREEK | -99 | 0.20 | -99 | 2.60 | 1447 | -99 | 51 | 450 | 12 | 12 | 10 | 5 | NA | 2.52 | -99 | -99 | 541 | 60 | 109 |
| 59 | 1849 | P | COTTONWOOD CREEK | -99 | 0.26 | -99 | 2.58 | 1657 | -99 | 48 | 440 | 4 | 14 | -99 | 5 | NA | 2.99 | -99 | -99 | 533 | 60 | 111 |
| 60 | 1848 | P | COTTONWOOD CREEK | -99 | 0.30 | -99 | 2.83 | 1484 | -99 | 54 | 490 | 2 | 14 | -99 | 5 | NA | 2.33 | -99 | -99 | 430 | 50 | 105 |
| 61 | 1846 | S | COTTONWOOD CREEK LODE | 2 | 0.04 | -99 | 3.12 | 1302 | -99 | 69 | 550 | -99 | NA | NA | 5 | NA | 1.05 | -99 | -99 | 304 | 10 | 69 |
| 61 | 1847 | S | COTTONWOOD CREEK LODE | 1 | -99 | -99 | 1.82 | 975 | -99 | 44 | 230 | -99 | NA | NA | 5 | NA | 0.86 | -99 | -99 | 278 | 120 | 94 |
| 62 | 1694 | RC | SHEBA HEAD | -99 | 0.32 | -99 | 1.49 | 1365 | -99 | 61 | 1000 | -99 | NA | NA | -99 | NA | 1.26 | -99 | -99 | 352 | 50 | 97 |
| 62 | 1695 | S | SHEBA HEAD | 2 | -99 | -99 | 0.08 | 198 | -99 | 5 | 20 | 6 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 15 | 20 | 14 |
| 63 | 1696 | RC | W. Fk. Maclaren R. | 1 | 0.03 | -99 | 1.14 | 1244 | 13 | 20 | 240 | -99 | NA | NA | 5 | NA | 0.22 | -99 | -99 | 102 | 30 | 38 |
| 64 | 1697 | RC | W. Fk. Maclaren R. | 5 | 0.78 | -99 | 2.88 | 1347 | 4 | 32 | 530 | -99 | NA | NA | -99 | NA | 0.49 | -99 | -99 | 325 | 40 | 94 |
| 65 | 1586 | CC | W. Fk. Maclaren R. | -99 | 0.55 | -99 | 3.78 | 1400 | -99 | 48 | 230 | -99 | NA | NA | -99 | NA | 0.23 | -99 | -99 | 142 | 40 | 75 |
| 66 | 1585 | CR | W. Fk. Maclaren R. | -99 | 0.01 | -99 | 2.17 | 920 | -99 | 62 | 710 | -99 | NA | NA | -99 | NA | 1.01 | -99 | -99 | 283 | 40 | 71 |
| 67 | 1675 | RC | ZACKLEY | 3 | -99 | -99 | 0.39 | 3775 | 14 | 66 | 310 | 6 | 10 | -99 | -99 | NA | 0.05 | -99 | 10 | 191 | 430 | 135 |
| 67 | 1681 | S | ZACKLEY | 1 | 0.04 | -99 | 0.89 | 2558 | -99 | 141 | -99 | 20 | 8 | -99 | 5 | NA | 0.10 | -99 | 30 | 153 | 1100 | 541 |
| 68 | 1868 | P | ZACKLEY | 2 | 0.46 | -99 | 0.65 | 2161 | -99 | 23 | 800 | 2 | -99 | -99 | 5 | NA | 0.55 | -99 | -99 | 567 | 150 | 84 |
| 69 | 1867 | P | HONEY CREEK | 4 | 0.43 | 10 | 1.84 | 2185 | -99 | 61 | 400 | 6 | 12 | -99 | 5 | NA | 6.14 | -99 | -99 | 655 | 150 | 149 |
| 70 | 1866 | P | HONEY CREEK | -99 | 0.50 | 10 | 1.81 | 1834 | -99 | 61 | 430 | 16 | 14 | -99 | -99 | NA | 4.88 | -99 | -99 | 573 | 130 | 143 |
| 71 | 1864 | P | HONEY CREEK | -99 | 1.18 | 10 | 1.90 | 1056 | 1 | 61 | 670 | 146 | 6 | -99 | 5 | NA | 1.47 | -99 | -99 | 291 | 290 | 144 |
| 72 | 1865 | P | HONEY CREEK | 1 | 0.51 | 10 | 2.22 | 1074 | 3 | 64 | 500 | 16 | 18 | -99 | 5 | NA | 1.79 | -99 | -99 | 405 | 90 | 104 |
| 73 | 1748 | RC | MEX CLAIMS | -99 | 0.50 | -99 | 0.87 | 1697 | 3 | 62 | 500 | -99 | NA | NA | -99 | NA | 0.90 | -99 | -99 | 288 | 40 | 100 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 1861 | SC | MEX CLAIMS | 5.06 | 1.0 | NA | 60 | 60 | NA | NA | NA | 10 | -99 | -99 | 7.42 | 0.5 | 108 | 187 | 0.12% | 7.97 | 10 |
| 74 | 1862 | G | MEX CLAIMS | 7.40 | 0.5 | NA | -99 | 5 | NA | NA | NA | 80 | -99 | -99 | 4.59 | -99 | 27 | 246 | 0.04% | 5.50 | 10 |
| 74 | 1863 | G | MEX CLAIMS | 7.80 | 3.0 | NA | 10 | 10 | NA | NA | NA | 100 | -99 | -99 | 1.39 | 5.5 | 21 | 251 | 2.97% | 4.97 | 10 |
| 75 | 1855 | S | MEX CLAIMS | 0.94 | 2.5 | NA | 470 | 70 | NA | NA | NA | 20 | -99 | 118 | 0.21 | 5.5 | 15 | 94 | 826 | 9.48 | -99 |
| 75 | 1856 | CH | MEX CLAIMS | 7.22 | 7.0 | NA | 30 | 90 | NA | NA | NA | 80 | -99 | -99 | 4.23 | 2.5 | 27 | 275 | 2675 | 7.35 | -99 |
| 75 | 1857 | CH | MEX CLAIMS | 4.08 | 5.0 | NA | 265 | 245 | NA | NA | NA | 40 | -99 | 8 | 0.28 | 2 | 72 | 161 | 1283 | 12.17 | -99 |
| 75 | 1858 | CH | MEX CLAIMS | 6.58 | 13.5 | NA | 145 | 275 | NA | NA | NA | 60 | 0.5 | -99 | 0.86 | 2 | 26 | 95 | 2926 | 6.16 | 10 |
| 76 | 1743 | CH | MEX CLAIMS | 1.81 | 19.5 | NA | 155 | 2100 | 0.060 | NA | NA | 10 | -99 | 28 | 1.37 | 1.5 | 56 | 52 | 936 | 19.81 | 10 |
| 76 | 1744 | S | MEX CLAIMS | 4.13 | 4.5 | NA | 45 | 430 | NA | NA | NA | 20 | -99 | -99 | 7.38 | 0.5 | 25 | 130 | 306 | 7.21 | 10 |
| 76 | 1745 | S | MEX CLAIMS | 1.24 | 0.5 | NA | 40 | 15 | NA | NA | NA | 10 | -99 | 2 | 16.76 | 0.5 | 18 | 60 | 86 | 8.10 | 20 |
| 76 | 1746 | S | MEX CLAIMS | 4.53 | 0.5 | NA | 320 | 135 | NA | NA | NA | 10 | -99 | -99 | 9.04 | 2 | 75 | 170 | 668 | 4.79 | 10 |
| 76 | 1747 | CH | MEX CLAIMS | 2.28 | 62.0 | NA | 120 | 820 | NA | NA | NA | 50 | -99 | -99 | 12.90 | 15 | 32 | 84 | 1.86% | 16.88 | 30 |
| 76 | 1859 | CH | MEX CLAIMS | 3.44 | 2.5 | NA | 25 | 460 | NA | NA | NA | 30 | -99 | -99 | 2.51 | 1 | 138 | 99 | 0.25% | 17.24 | 10 |
| 76 | 1860 | RC | MEX CLAIMS | 2.36 | 2.5 | NA | 160 | 80 | NA | NA | NA | 20 | -99 | 12 | 6.73 | 1 | 18 | 52 | 0.09% | 17.47 | 20 |
| 77 | 1854 | P | HONEY CREEK | 5.65 | 4.0 | NA | 20 | NA | NA | -99 | 99999 | 230 | 0.5 | -99 | 4.09 | 0.5 | 12 | 234 | 1411 | 13.49 | 10 |
| 78 | 1853 | P | HONEY CREEK | 7.67 | -99 | NA | -99 | NA | NA | -99 | 10 | 280 | 0.5 | -99 | 5.51 | -99 | 23 | 150 | 152 | 9.03 | -99 |
| 79 | 1742 | S | Honey Creek | 9.07 | 0.5 | NA | 20 | -99 | NA | NA | NA | 1310 | -99 | -99 | 3.75 | -99 | 11 | 17 | 412 | 3.40 | 10 |
| 80 | 1851 | CH | Honey Creek | 6.39 | 0.5 | NA | 10 | 10 | NA | NA | NA | 30 | -99 | 2 | 5.66 | -99 | 33 | 87 | 0.01% | 7.13 | 10 |
| 80 | 1852 | S | Honey Creek | 2.15 | 99999 | 78.5 | 990 | 400 | NA | NA | NA | 50 | -99 | -99 | 2.35 | 337 | 21 | 111 | 1.51% | 1.02 | -99 |
| 81 | 1740 | CR | Honey Creek | 4.55 | 1.5 | NA | -99 | 10 | NA | NA | NA | -99 | -99 | -99 | 6.46 | 0.5 | 27 | 128 | 3579 | 4.56 | 10 |
| 81 | 1741 | S | Honey Creek | 1.91 | 38.0 | NA | 5 | 250 | NA | NA | NA | -99 | -99 | -99 | 6.41 | -99 | 15 | 92 | 7.43% | 2.35 | 10 |
| 82 | 1739 | S | Honey Creek | 6.54 | 2.5 | NA | -99 | 15 | NA | NA | NA | 10 | -99 | -99 | 9.82 | 0.5 | 29 | 120 | 8615 | 5.93 | 10 |
| 83 | 1874 | P | LITTLE CLEARWATER CK. | 6.49 | -99 | NA | 75 | NA | NA | -99 | 99999 | 260 | 1.0 | -99 | 4.73 | 0.5 | 20 | 194 | 157 | 12.72 | -99 |
| 84 | 1869 | P | LANCE GOLD | 5.06 | 0.5 | NA | 325 | NA | NA | 0.001 | 99999 | 1230 | 0.5 | -99 | 1.58 | 1.5 | 16 | 200 | 137 | 16.21 | -99 |
| 85 | 1870 | G | LANCE GOLD | 5.82 | 0.5 | NA | 40 | 25 | NA | NA | NA | 200 | -99 | -99 | 0.64 | 0.5 | 18 | 174 | 294 | 17.50 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 73 | 1861 | SC | MEX CLAIMS | -99 | 0.11 | -99 | 0.71 | 745 | -99 | 44 | 410 | -99 | NA | NA | 5 | NA | 0.73 | -99 | -99 | 250 | 10 | 66 |
| 74 | 1862 | G | MEX CLAIMS | -99 | 0.14 | -99 | 4.07 | 798 | 1 | 72 | 250 | -99 | NA | NA | -99 | NA | 0.35 | -99 | -99 | 196 | -99 | 64 |
| 74 | 1863 | G | MEX CLAIMS | -99 | 0.25 | -99 | 2.16 | 561 | 1 | 51 | -99 | -99 | NA | NA | -99 | NA | 0.39 | -99 | -99 | 210 | 430 | 274 |
| 75 | 1855 | S | MEX CLAIMS | -99 | 0.02 | -99 | 0.09 | 192 | 98 | 14 | 240 | 118 | NA | NA | 25 | NA | 0.11 | -99 | -99 | 269 | 10 | 110 |
| 75 | 1856 | CH | MEX CLAIMS | 4 | 0.98 | -99 | 2.47 | 1108 | -99 | 132 | 730 | 22 | NA | NA | 5 | NA | 1.75 | -99 | -99 | 297 | 50 | 127 |
| 75 | 1857 | CH | MEX CLAIMS | -99 | 0.39 | -99 | 0.16 | 1386 | 34 | 79 | 580 | -99 | NA | NA | -99 | NA | 0.84 | -99 | -99 | 296 | 20 | 101 |
| 75 | 1858 | CH | MEX CLAIMS | 1 | 0.73 | 10 | 0.44 | 931 | 3 | 43 | 510 | 4 | NA | NA | -99 | NA | 1.08 | -99 | -99 | 325 | 40 | 145 |
| 76 | 1743 | CH | MEX CLAIMS | -99 | 0.06 | -99 | 0.07 | 421 | 60 | 9 | 290 | -99 | NA | NA | -99 | NA | 0.15 | -99 | -99 | 229 | 200 | 107 |
| 76 | 1744 | S | MEX CLAIMS | -99 | 0.21 | -99 | 2.53 | 1500 | -99 | 61 | 730 | -99 | NA | NA | -99 | NA | 1.00 | -99 | -99 | 237 | -99 | 72 |
| 76 | 1745 | S | MEX CLAIMS | -99 | 0.02 | -99 | 6.45 | 1605 | -99 | 64 | 180 | -99 | NA | NA | -99 | NA | 0.25 | -99 | -99 | 117 | 10 | 60 |
| 76 | 1746 | S | MEX CLAIMS | -99 | 0.15 | -99 | 2.70 | 1295 | 4 | 334 | 590 | 2 | NA | NA | 5 | NA | 0.92 | -99 | -99 | 190 | 20 | 63 |
| 76 | 1747 | CH | MEX CLAIMS | -99 | 0.24 | -99 | 0.42 | 2174 | 45 | 39 | 30 | -99 | NA | NA | -99 | NA | 0.13 | -99 | 10 | 114 | 340 | 744 |
| 76 | 1859 | CH | MEX CLAIMS | -99 | 0.42 | -99 | 0.67 | 881 | 2 | 35 | 360 | -99 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 87 | 50 | 108 |
| 76 | 1860 | RC | MEX CLAIMS | -99 | 0.07 | -99 | 1.61 | 1698 | -99 | 21 | 520 | -99 | NA | NA | 5 | NA | 0.20 | -99 | 10 | 101 | 60 | 66 |
| 77 | 1854 | P | HONEY CREEK | -99 | 0.32 | 10 | 2.10 | 1711 | 2 | 60 | 360 | 326 | 18 | 10 | 5 | NA | 5.68 | -99 | -99 | 598 | 90 | 132 |
| 78 | 1853 | P | HONEY CREEK | -99 | 0.20 | 10 | 2.28 | 1159 | -99 | 53 | 530 | 4 | 14 | -99 | 5 | NA | 1.68 | -99 | -99 | 451 | 50 | 112 |
| 79 | 1742 | S | Honey Creek | 1 | 2.00 | -99 | 0.88 | 1045 | -99 | -99 | 790 | -99 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 148 | -99 | 46 |
| 80 | 1851 | CH | Honey Creek | -99 | 0.09 | -99 | 1.93 | 1410 | -99 | 56 | 520 | -99 | NA | NA | 5 | NA | 0.95 | -99 | -99 | 273 | -99 | 80 |
| 80 | 1852 | S | Honey Creek | 323 | 0.52 | -99 | 0.23 | 253 | 6 | 13 | -99 | 2.12% | NA | NA | 6660 | NA | 0.22 | -99 | -99 | 75 | 330 | 1.16% |
| 81 | 1740 | CR | Honey Creek | -99 | 0.01 | -99 | 1.60 | 674 | -99 | 28 | 570 | -99 | NA | NA | 190 | NA | 0.52 | -99 | -99 | 232 | 80 | 72 |
| 81 | 1741 | S | Honey Creek | 2 | 0.17 | -99 | 0.52 | 707 | -99 | 12 | -99 | 2 | NA | NA | -99 | NA | 0.28 | -99 | -99 | 77 | 990 | 526 |
| 82 | 1739 | S | Honey Creek | 5 | 0.07 | -99 | 1.96 | 899 | -99 | 62 | 200 | -99 | NA | NA | 165 | NA | 0.69 | -99 | -99 | 271 | 160 | 88 |
| 83 | 1874 | P | LITTLE CLEARWATER CK. | 8 | 0.21 | -99 | 1.38 | 1371 | -99 | 48 | 480 | 2 | 10 | -99 | 10 | NA | 2.71 | -99 | -99 | 558 | 150 | 139 |
| 84 | 1869 | P | LANCE GOLD | 379 | 0.38 | 10 | 0.79 | 972 | -99 | 45 | 190 | 2 | 18 | -99 | 5 | NA | 1.96 | -99 | -99 | 504 | 3950 | 137 |
| 85 | 1870 | G | LANCE GOLD | -99 | 0.15 | 10 | 0.33 | 1577 | -99 | 48 | 890 | -99 | NA | NA | -99 | NA | 1.58 | -99 | -99 | 430 | -99 | 108 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 1872 | P | MEX CLAIMS | 4.17 | 0.5 | NA | 565 | NA | NA | -99 | 3000 | 1040 | 0.5 | -99 | 1.03 | 2.5 | 11 | 190 | 135 | 24.04 | -99 |
| 87 | 1871 | G | MEX CLAIMS | 2.53 | 0.5 | NA | 235 | 5 | NA | NA | NA | 780 | -99 | -99 | 6.37 | 1.5 | 6 | 78 | 120 | 2.89 | 10 |
| 87 | 1876 | P | MEX CLAIMS | 5.33 | 1.0 | NA | 400 | NA | NA | -99 | 3200 | 2550 | 1.0 | -99 | 0.52 | 2 | 8 | 199 | 58 | 15.72 | -99 |
| 89 | 1749 | RC | MEX CLAIMS | 4.08 | 3.5 | NA | 65 | -99 | NA | NA | NA | 260 | -99 | -99 | 7.24 | 0.5 | 194 | 102 | 1009 | 9.83 | 10 |
| 89 | 1750 | RC | MEX CLAIMS | 5.64 | 0.5 | NA | 80 | -99 | NA | NA | NA | 340 | -99 | -99 | 6.19 | 0.5 | 34 | 287 | 105 | 4.26 | 10 |
| 89 | 1873 | S | MEX CLAIMS | 5.07 | 0.5 | NA | 65 | 20 | NA | NA | NA | 640 | -99 | -99 | 0.13 | 1 | 2 | 153 | 39 | 3.04 | -99 |
| 90 | 1590 | S | MEX CLAIMS | 0.70 | 12.5 | NA | 55 | 1700 | 0.058 | NA | NA | -99 | -99 | 2 | -99 | 3 | -99 | 90 | 80 | 0.15 | -99 |
| 90 | 1591 | S | MEX CLAIMS | 2.75 | 4.5 | NA | 65 | 1900 | 0.060 | NA | NA | -99 | -99 | 10 | 0.04 | 11 | 4 | 92 | 363 | 0.51 | -99 |
| 90 | 1592 | CR | MEX CLAIMS | 7.97 | 0.5 | NA | 25 | 20 | NA | NA | NA | 820 | 1.0 | 2 | 0.84 | 0.5 | 2 | 44 | 21 | 1.72 | -99 |
| 90 | 1593 | CR | MEX CLAIMS | 8.20 | 1.0 | NA | 5 | 15 | NA | NA | NA | 840 | 1.0 | 4 | 1.14 | -99 | 2 | 87 | 37 | 1.80 | -99 |
| 90 | 1594 | CR | MEX CLAIMS | 8.71 | 2.0 | NA | 15 | -99 | NA | NA | NA | 250 | 0.5 | 2 | 6.47 | -99 | 40 | 150 | 92 | 6.92 | -99 |
| 90 | 1595 | CH | MEX CLAIMS | 7.59 | 1.0 | NA | -99 | -99 | NA | NA | NA | 820 | 1.0 | 16 | 0.14 | -99 | 3 | 84 | 92 | 3.61 | -99 |
| 90 | 1596 | CH | MEX CLAIMS | 7.80 | 1.5 | NA | 15 | -99 | NA | NA | NA | 1000 | 1.0 | 8 | 0.26 | -99 | 4 | 28 | 81 | 3.04 | -99 |
| 91 | 1588 | G | MEX CLAIMS | 0.85 | 19.0 | NA | 10 | 25 | NA | NA | NA | 760 | -99 | 100 | 0.13 | -99 | 2 | 237 | 127 | 0.41 | -99 |
| 91 | 1589 | CC | MEX CLAIMS | 0.56 | 7.5 | NA | 45 | -99 | NA | NA | NA | 730 | -99 | 14 | 0.08 | 0.5 | -99 | 122 | 0.03% | 0.33 | -99 |
| 92 | 1902 | RC | MEX CLAIMS | 7.87 | 0.5 | NA | -99 | -99 | NA | NA | NA | 840 | 1.0 | -99 | 0.95 | -99 | 2 | 75 | 83 | 1.93 | -99 |
| 92 | 1903 | RC | MEX CLAIMS | 7.51 | 0.5 | NA | 5 | -99 | NA | NA | NA | 770 | 1.0 | -99 | 1.67 | -99 | 1 | 60 | 74 | 2.63 | -99 |
| 92 | 1904 | RC | MEX CLAIMS | 8.15 | 0.5 | NA | 5 | -99 | NA | NA | NA | 350 | -99 | 2 | 2.18 | -99 | 7 | 75 | 47 | 3.59 | -99 |
| 93 | 1886 | P | VALDEZ CREEK | 7.10 | -99 | NA | -99 | NA | NA | -99 | 3600 | 370 | -99 | -99 | 3.09 | -99 | 7 | 393 | 4 | 10.51 | 10 |
| 94 | 1885 | P | GROGG CREEK | 7.36 | 12.5 | NA | -99 | NA | NA | 0.004 | 99999 | 430 | 0.5 | -99 | 2.79 | 0.5 | 6 | 224 | 13 | 13.22 | -99 |
| 95 | 2023 | P | GROGG CREEK | 7.46 | 0.5 | NA | 75 | NA | NA | -99 | 99999 | 180 | 0.5 | -99 | 2.56 | -99 | 3 | 173 | 14 | 12.11 | 10 |
| 96 | 2028 | CC | SURPRISE CREEK | 0.23 | -99 | NA | 25 | -99 | NA | NA | NA | 10 | -99 | -99 | 0.16 | -99 | -99 | 213 | 7 | 0.41 | -99 |
| 96 | 2029 | CC | SURPRISE CREEK | 0.84 | -99 | NA | 90 | 10 | NA | NA | NA | 30 | -99 | 4 | 3.55 | -99 | 9 | 276 | 35 | 1.26 | -99 |
| 97 | 1888 | RC | SURPRISE CREEK | 0.32 | -99 | NA | 5 | 10 | NA | NA | NA | 30 | -99 | -99 | 0.53 | -99 | -99 | 253 | 6 | 0.50 | -99 |
| 97 | 2026 | CC | SURPRISE CREEK | 1.43 | -99 | NA | 100 | 15 | NA | NA | NA | 80 | -99 | -99 | 0.66 | 1 | 4 | 276 | 8 | 1.28 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 1872 | P | MEX CLAIMS | 20 | 0.50 | 10 | 0.61 | 1014 | 1 | 55 | 320 | 2 | 4 | -99 | 5 | NA | 2.41 | -99 | -99 | 816 | 2220 | 159 |
| 87 | 1871 | G | MEX CLAIMS | -99 | 0.15 | -99 | 1.03 | 1608 | -99 | -99 | 260 | -99 | NA | NA | 10 | NA | 0.08 | -99 | -99 | 28 | 2390 | 40 |
| 87 | 1876 | P | MEX CLAIMS | 10 | 1.15 | -99 | 0.36 | 529 | 1 | 37 | 540 | 2 | -99 | -99 | 5 | NA | 1.04 | -99 | -99 | 527 | 4070 | 170 |
| 89 | 1749 | RC | MEX CLAIMS | -99 | 1.01 | 30 | 0.42 | 836 | -99 | 546 | 5320 | -99 | NA | NA | 10 | NA | 0.13 | -99 | -99 | 130 | 10 | 91 |
| 89 | 1750 | RC | MEX CLAIMS | -99 | 0.42 | -99 | 2.73 | 829 | -99 | 86 | 650 | -99 | NA | NA | 5 | NA | 0.18 | -99 | -99 | 147 | -99 | 48 |
| 89 | 1873 | S | MEX CLAIMS | -99 | 0.67 | -99 | 0.25 | 330 | 4 | 20 | 610 | 4 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 169 | 300 | 86 |
| 90 | 1590 | S | MEX CLAIMS | 14 | 0.09 | -99 | 0.03 | 15 | -99 | 5 | 30 | -99 | NA | NA | 26.80% | NA | -99 | -99 | -99 | 2 | -99 | 10 |
| 90 | 1591 | S | MEX CLAIMS | 12 | 0.43 | -99 | 0.11 | 54 | -99 | 9 | 200 | 4 | NA | NA | 27.30% | NA | -99 | -99 | 20 | 5 | -99 | 24 |
| 90 | 1592 | CR | MEX CLAIMS | -99 | 2.86 | 10 | 0.76 | 237 | 40 | -99 | 390 | 14 | NA | NA | 3505 | NA | 0.19 | -99 | -99 | 47 | 100 | 28 |
| 90 | 1593 | CR | MEX CLAIMS | -99 | 3.18 | 10 | 0.93 | 396 | 3 | 1 | 400 | 14 | NA | NA | 935 | NA | 0.21 | -99 | -99 | 56 | 40 | 40 |
| 90 | 1594 | CR | MEX CLAIMS | 1 | 0.74 | -99 | 4.27 | 1462 | -99 | 81 | 750 | 4 | NA | NA | 80 | NA | 0.46 | -99 | -99 | 227 | 50 | 108 |
| 90 | 1595 | CH | MEX CLAIMS | -99 | 3.02 | 10 | 0.74 | 191 | 101 | -99 | 640 | 44 | NA | NA | 75 | NA | 0.22 | -99 | -99 | 64 | 270 | 35 |
| 90 | 1596 | CH | MEX CLAIMS | -99 | 3.22 | 20 | 0.86 | 233 | 11 | -99 | 760 | 44 | NA | NA | 25 | NA | 0.23 | -99 | -99 | 60 | 110 | 45 |
| 91 | 1588 | G | MEX CLAIMS | 1 | -99 | -99 | 0.07 | 106 | 12 | 48 | 46 | 1380 | NA | NA | -99 | NA | 0.58 | -99 | -99 | 8 | -99 | 4 |
| 91 | 1589 | CC | MEX CLAIMS | 28 | 0.01 | -99 | 0.02 | 84 | 42 | 1 | 50 | 286 | NA | NA | 50 | NA | 0.01 | -99 | -99 | 5 | -99 | 8 |
| 92 | 1902 | RC | MEX CLAIMS | -99 | 2.58 | 10 | 0.79 | 229 | 21 | -99 | 450 | 14 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 54 | 130 | 29 |
| 92 | 1903 | RC | MEX CLAIMS | -99 | 2.00 | 10 | 0.81 | 386 | 70 | 1 | 530 | 42 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 51 | 130 | 44 |
| 92 | 1904 | RC | MEX CLAIMS | -99 | 0.63 | -99 | 1.26 | 395 | 1 | 14 | 510 | 2 | NA | NA | 5 | NA | 0.36 | -99 | -99 | 143 | 20 | 54 |
| 93 | 1886 | P | VALDEZ CREEK | -99 | 0.20 | 90 | 2.28 | 8961 | -99 | 15 | 1090 | 2 | -99 | -99 | -99 | NA | 1.43 | -99 | -99 | 141 | 60 | 107 |
| 94 | 1885 | P | GROGG CREEK | -99 | 0.19 | 10 | 1.50 | 99999 | -99 | 11 | 990 | 44 | -99 | 10 | -99 | NA | 0.80 | -99 | -99 | 150 | 80 | 80 |
| 95 | 2023 | P | GROGG CREEK | 3 | 0.22 | 10 | 1.42 | 99999 | -99 | 8 | 680 | 2 | -99 | -99 | -99 | NA | 0.45 | 10 | -99 | 121 | 80 | 73 |
| 96 | 2028 | CC | SURPRISE CREEK | -99 | 0.03 | -99 | 0.05 | 44 | -99 | 3 | 40 | 2 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 7 | -99 | 3 |
| 96 | 2029 | CC | SURPRISE CREEK | -99 | 0.10 | -99 | 0.41 | 830 | -99 | 12 | 110 | 2 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 10 | -99 | 21 |
| 97 | 1888 | RC | SURPRISE CREEK | 3 | 0.04 | -99 | 0.07 | 123 | -99 | 3 | 40 | 4 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 9 | -99 | 6 |
| 97 | 2026 | CC | SURPRISE CREEK | -99 | 0.23 | -99 | 0.17 | 161 | 1 | 6 | 380 | 4 | NA | NA | 5 | NA | 0.05 | -99 | -99 | 26 | -99 | 22 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 2027 | CC | SURPRISE CREEK | 0.08 | -99 | NA | -99 | -99 | NA | NA | NA | 20 | -99 | -99 | 0.17 | 1 | -99 | 183 | 4 | 0.28 | -99 |
| 98 | 1887 | S | SURPRISE CREEK | 3.48 | 3.5 | NA | 360 | 150 | NA | NA | NA | 60 | -99 | 12 | 15.25 | 1 | 76 | 57 | 253 | 10.00 | 20 |
| 98 | 2024 | CC | SURPRISE CREEK | 0.03 | -99 | NA | -99 | -99 | NA | NA | NA | -99 | -99 | -99 | 0.01 | -99 | -99 | 138 | 2 | 0.17 | -99 |
| 98 | 2025 | CC | SURPRISE CREEK | 0.24 | -99 | NA | 5 | -99 | NA | NA | NA | 20 | -99 | -99 | 0.06 | 1 | 2 | 235 | 12 | 0.60 | -99 |
| 99 | 1889 | P | SURPRISE CREEK | 6.97 | 4.0 | NA | 25 | NA | NA | 0.001 | 99999 | 410 | 0.5 | -99 | 3.15 | 0.5 | 6 | 229 | 41 | 12.25 | -99 |
| 100 | 1878 | CC | BLACK CREEK LODE | 5.63 | -99 | NA | 675 | 1410 | NA | NA | NA | 820 | 1.5 | -99 | 0.60 | 0.5 | 8 | 119 | 34 | 2.09 | -99 |
| 100 | 1918 | P | BLACK CREEK LODE | 7.07 | -99 | NA | -99 | NA | NA | -99 | 520 | 820 | 0.5 | -99 | 4.78 | -99 | 13 | 112 | 26 | 11.32 | -99 |
| 101 | 1751 | P | BLACK CREEK LODE | 7.05 | 0.5 | NA | 35 | NA | NA | 0.002 | 99999 | 690 | 1.0 | -99 | 1.77 | -99 | 14 | 119 | 66 | 9.65 | -99 |
| 101 | 1877 | S | BLACK CREEK LODE | 5.41 | 3.5 | NA | 1540 | 530 | NA | NA | NA | 100 | -99 | 14 | 3.95 | 6 | 34 | 104 | 300 | 8.85 | 10 |
| 102 | 1785 | P | WHITE CREEK | 7.84 | -99 | NA | -99 | NA | NA | -99 | 14 | 660 | 1.0 | -99 | 1.85 | -99 | 19 | 127 | 80 | 5.70 | -99 |
| 103 | 2021 | P | WHITE CREEK | 7.98 | -99 | NA | 5 | NA | NA | -99 | 4 | 420 | 0.5 | -99 | 1.95 | -99 | 19 | 104 | 80 | 5.55 | 10 |
| 104 | 1786 | P | BIG RUSTY CREEK | 7.79 | -99 | NA | -99 | NA | NA | -99 | 110 | 670 | 1.0 | -99 | 2.24 | -99 | 18 | 124 | 68 | 5.43 | -99 |
| 105 | 2022 | P | LUCKY RUSTY | 7.93 | -99 | NA | 5 | NA | NA | -99 | 2200 | 500 | 1.0 | -99 | 2.08 | -99 | 18 | 108 | 68 | 5.52 | 10 |
| 106 | 1905 | RC | Lucky Gulch | 8.88 | -99 | NA | 310 | 60 | NA | NA | NA | 540 | -99 | -99 | 2.76 | -99 | 23 | 40 | 82 | 4.84 | 10 |
| 106 | 1919 | S | Lucky Gulch | 6.38 | -99 | NA | 585 | 220 | NA | NA | NA | 430 | -99 | 4 | 9.99 | -99 | 21 | 47 | 84 | 5.39 | 20 |
| 107 | 1879 | P | WHITE CREEK | 7.60 | 4.0 | NA | 15 | NA | NA | 0.001 | 99999 | 610 | 0.5 | -99 | 2.57 | -99 | 11 | 123 | 55 | 6.31 | -99 |
| 108 | 1906 | P | BLUE SKY | 6.45 | 0.5 | NA | -99 | NA | NA | -99 | 2600 | 560 | 0.5 | -99 | 4.12 | 0.5 | 17 | 191 | 23 | 12.93 | -99 |
| 109 | 1907 | P | BLUE SKY | 6.65 | -99 | NA | -99 | NA | NA | 0.017 | 99999 | 390 | 0.5 | -99 | 3.05 | 0.5 | 1 | 257 | 9 | 13.30 | -99 |
| 109 | 1908 | S | BLUE SKY | 2.75 | -99 | NA | 15 | -99 | NA | NA | NA | 60 | -99 | -99 | 0.19 | -99 | 6 | 197 | 69 | 1.01 | -99 |
| 110 | 1881 | P | WHITE CREEK | 7.71 | 3.0 | NA | 15 | NA | NA | -99 | 99999 | 670 | 0.5 | -99 | 1.90 | -99 | 9 | 141 | 41 | 5.98 | -99 |
| 111 | 1883 | P | Valdez Creek | 7.32 | -99 | NA | 5 | NA | NA | -99 | 3000 | 660 | 0.5 | -99 | 3.43 | -99 | 13 | 139 | 42 | 7.87 | -99 |
| 112 | 1882 | P | RUSTY CREEK | 7.83 | -99 | NA | 10 | NA | NA | -99 | 99999 | 730 | 1.0 | -99 | 2.02 | -99 | 14 | 109 | 54 | 5.50 | -99 |
| 113 | 1916 | S | Rusty Creek | 9.48 | 0.5 | NA | 605 | 5 | NA | NA | NA | 680 | 0.5 | -99 | 3.31 | -99 | 28 | 46 | 172 | 4.75 | 10 |
| 113 | 1917 | S | Rusty Creek | 5.02 | -99 | NA | 35 | 1060 | 0.012 | NA | NA | 250 | -99 | 2 | 2.64 | -99 | 24 | 164 | 114 | 2.80 | 10 |
| 114 | 1915 | S | Rusty Creek | 0.08 | -99 | NA | 105 | -99 | NA | NA | NA | -99 | -99 | -99 | 0.11 | -99 | 9 | 162 | 66 | 1.49 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 97 | 2027 | CC | SURPRISE CREEK | -99 | -99 | -99 | 0.01 | 29 | -99 | 4 | -99 | 6 | NA | NA | -99 | NA | -99 | -99 | -99 | 3 | -99 | 2 |
| 98 | 1887 | S | SURPRISE CREEK | -99 | 0.63 | -99 | 0.56 | 2510 | -99 | 19 | 1060 | 12 | NA | NA | 10 | NA | 0.19 | -99 | -99 | 41 | 10 | 27 |
| 98 | 2024 | CC | SURPRISE CREEK | -99 | -99 | -99 | -99 | 17 | -99 | 1 | 10 | 4 | NA | NA | -99 | NA | -99 | -99 | -99 | 1 | -99 | 1 |
| 98 | 2025 | CC | SURPRISE CREEK | -99 | 0.04 | -99 | 0.03 | 47 | -99 | 4 | 20 | 4 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 7 | -99 | 4 |
| 99 | 1889 | P | SURPRISE CREEK | -99 | 0.41 | 10 | 1.44 | 99999 | -99 | 24 | 1200 | 16 | -99 | -99 | 5 | NA | 3.29 | -99 | -99 | 212 | 230 | 116 |
| 100 | 1878 | CC | BLACK CREEK LODE | -99 | 1.84 | 10 | 0.40 | 465 | 1 | 1 | 760 | 22 | NA | NA | -99 | NA | 0.27 | -99 | -99 | 66 | 10 | 281 |
| 100 | 1918 | P | BLACK CREEK LODE | -99 | 1.13 | 10 | 2.23 | 992 | -99 | 20 | 1160 | 76 | 10 | 25 | 5 | NA | 0.47 | -99 | -99 | 504 | 70 | 103 |
| 101 | 1751 | P | BLACK CREEK LODE | 25 | 1.33 | 10 | 2.10 | 764 | -99 | 35 | 920 | 4 | 4 | 25 | 5 | NA | 0.59 | -99 | -99 | 401 | 50 | 122 |
| 101 | 1877 | S | BLACK CREEK LODE | -99 | 1.45 | -99 | 1.97 | 990 | -99 | 35 | 660 | 82 | NA | NA | 10 | NA | 0.19 | -99 | -99 | 138 | -99 | 910 |
| 102 | 1785 | P | WHITE CREEK | -99 | 1.16 | 10 | 2.07 | 901 | -99 | 40 | 700 | 8 | 4 | -99 | -99 | NA | 0.62 | -99 | -99 | 195 | 30 | 118 |
| 103 | 2021 | P | WHITE CREEK | -99 | 1.08 | 10 | 2.26 | 878 | -99 | 37 | 750 | 4 | 6 | -99 | 5 | NA | 0.61 | -99 | -99 | 199 | 30 | 115 |
| 104 | 1786 | P | BIG RUSTY CREEK | -99 | 1.21 | 10 | 2.08 | 877 | -99 | 36 | 870 | 2 | 4 | -99 | -99 | NA | 0.59 | -99 | -99 | 199 | 30 | 111 |
| 105 | 2022 | P | LUCKY RUSTY | 1 | 1.20 | 10 | 2.21 | 881 | -99 | 34 | 870 | 20 | 4 | -99 | -99 | NA | 0.59 | 10 | -99 | 199 | 30 | 110 |
| 106 | 1905 | RC | Lucky Gulch | -99 | 2.85 | 30 | 0.25 | 916 | 3 | 4 | 1800 | 4 | NA | NA | 5 | NA | 0.57 | -99 | -99 | 139 | 10 | 43 |
| 106 | 1919 | S | Lucky Gulch | -99 | 2.06 | -99 | 0.42 | 1970 | 2 | 3 | 1140 | 8 | NA | NA | 5 | NA | 0.48 | -99 | -99 | 92 | 10 | 80 |
| 107 | 1879 | P | WHITE CREEK | -99 | 1.15 | 10 | 1.99 | 1095 | -99 | 31 | 1000 | 4 | -99 | -99 | -99 | NA | 1.64 | -99 | -99 | 215 | 70 | 108 |
| 108 | 1906 | P | BLUE SKY | 1 | 0.75 | 20 | 2.04 | 3413 | -99 | 22 | 1650 | 2 | 6 | -99 | -99 | NA | 0.88 | -99 | -99 | 456 | 80 | 105 |
| 109 | 1907 | P | BLUE SKY | 1 | 0.36 | 20 | 1.77 | 7364 | -99 | 14 | 830 | 2 | -99 | -99 | -99 | NA | 2.22 | 10 | -99 | 319 | 90 | 103 |
| 109 | 1908 | S | BLUE SKY | -99 | 0.09 | -99 | 0.10 | 54 | 1 | 5 | 180 | 6 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 7 | -99 | 6 |
| 110 | 1881 | P | WHITE CREEK | -99 | 1.16 | 10 | 1.92 | 1578 | -99 | 31 | 850 | 6 | -99 | -99 | -99 | NA | 1.34 | -99 | -99 | 176 | 50 | 110 |
| 111 | 1883 | P | Valdez Creek | -99 | 0.95 | -99 | 2.04 | 2402 | -99 | 29 | 980 | 4 | -99 | -99 | 5 | NA | 1.30 | -99 | -99 | 252 | 50 | 103 |
| 112 | 1882 | P | RUSTY CREEK | 1 | 1.21 | 10 | 2.05 | 817 | -99 | 35 | 930 | 6 | -99 | -99 | 5 | NA | 1.02 | -99 | -99 | 198 | 30 | 108 |
| 113 | 1916 | S | Rusty Creek | -99 | 3.26 | 20 | 1.34 | 682 | -99 | 6 | 2320 | 2 | NA | NA | 5 | NA | 0.60 | -99 | -99 | 225 | 10 | 62 |
| 113 | 1917 | S | Rusty Creek | -99 | 1.16 | 10 | 0.49 | 443 | -99 | 13 | 790 | 10 | NA | NA | -99 | NA | 0.27 | -99 | -99 | 113 | -99 | 21 |
| 114 | 1915 | S | Rusty Creek | -99 | -99 | -99 | 0.02 | 138 | -99 | 2 | 40 | 2 | NA | NA | -99 | NA | -99 | -99 | -99 | 1 | -99 | 4 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 1914 | S | TIMBERLINE CK. LODE | 0.62 | -99 | NA | 5 | -99 | NA | NA | NA | 30 | -99 | -99 | 3.98 | -99 | 6 | 265 | 140 | 0.82 | 10 |
| 116 | 1792 | G | TIMBERLINE CK. LODE | 0.88 | 13.5 | NA | 325 | 95 | NA | NA | NA | 60 | -99 | 4 | 0.71 | 4 | 2 | 184 | 1057 | 0.90 | -99 |
| 116 | 1793 | G | TIMBERLINE CK. LODE | 0.49 | 10.5 | NA | 245 | 105 | NA | NA | NA | 100 | -99 | 12 | 7.15 | 5.5 | 43 | 140 | 337 | 0.35 | -99 |
| 116 | 1794 | RC | TIMBERLINE CK. LODE | 9.89 | 0.5 | NA | 5 | -99 | NA | NA | NA | 1090 | 2.5 | 2 | 2.16 | -99 | 7 | 54 | 52 | 4.61 | -99 |
| 116 | 1795 | RC | TIMBERLINE CK. LODE | 5.12 | 0.5 | NA | 165 | -99 | NA | NA | NA | 900 | 1.0 | 4 | 1.04 | 0.5 | 10 | 70 | 80 | 1.81 | -99 |
| 116 | 1796 | RC | TIMBERLINE CK. LODE | 8.25 | 0.5 | NA | 10 | -99 | NA | NA | NA | 470 | 2.5 | 6 | 5.53 | -99 | 9 | 108 | 72 | 4.64 | -99 |
| 117 | 1791 | G | TIMBERLINE CK. LODE | 9.48 | 0.5 | NA | 35 | 30 | NA | NA | NA | 1260 | 2.5 | 4 | 2.10 | 0.5 | 8 | 47 | 42 | 4.30 | -99 |
| 117 | 1913 | S | TIMBERLINE CK. LODE | 0.61 | 0.5 | NA | -99 | -99 | NA | NA | NA | 250 | -99 | 4 | 6.42 | -99 | 3 | 135 | -99 | 0.46 | -99 |
| 118 | 2032 | P | DENALI BENCH CLAIMS | 6.62 | 2.0 | NA | 20 | NA | NA | -99 | 4600 | 150 | -99 | -99 | 2.73 | 0.5 | -99 | 306 | 1 | 13.78 | 10 |
| 119 | 2030 | P | Nowater Creek | 6.99 | -99 | NA | 15 | NA | NA | -99 | -99 | 100 | 0.5 | -99 | 6.64 | -99 | 18 | 258 | 90 | 9.00 | 10 |
| 120 | 2031 | P | Raft Creek | 6.26 | -99 | NA | 25 | NA | NA | -99 | 2800 | 320 | 1.0 | -99 | 5.25 | 0.5 | 1 | 505 | 36 | 9.89 | 10 |
| 121 | 1890 | S | Coal Creek | 6.11 | -99 | NA | -99 | 10 | NA | NA | NA | 140 | -99 | -99 | 6.26 | -99 | 44 | 121 | 105 | 6.79 | 10 |
| 122 | 2038 | S | AMPHI THEATER 1-25 | 2.75 | 15.5 | NA | 5 | 475 | NA | NA | NA | 50 | -99 | -99 | 12.15 | 1 | 21 | 107 | 1.77% | 2.69 | -99 |
| 122 | 2039 | S | AMPHI THEATER 1-25 | 0.04 | -99 | NA | 5 | -99 | NA | NA | NA | -99 | -99 | -99 | 0.06 | -99 | -99 | 170 | 74 | 0.24 | -99 |
| 122 | 2040 | CR | AMPHI THEATER 1-25 | 6.27 | 4.0 | NA | 20 | 55 | NA | NA | NA | 70 | 0.5 | -99 | 7.40 | 0.5 | 38 | 123 | 0.73% | 5.87 | -99 |
| 122 | 2041 | CR | AMPHI THEATER 1-25 | 6.24 | 4.5 | NA | 5 | 90 | NA | NA | NA | 40 | 0.5 | -99 | 3.61 | -99 | 49 | 128 | 0.74% | 7.40 | -99 |
| 123 | 2034 | S | LICHEN OCCURRENCE | 7.24 | 10.0 | NA | 10 | 10 | NA | NA | NA | 70 | -99 | -99 | 4.20 | 1.5 | 69 | 149 | 1.04% | 10.90 | -99 |
| 123 | 2035 | CC | LICHEN OCCURRENCE | 7.35 | 7.0 | NA | -99 | -99 | NA | NA | NA | 50 | 2.0 | -99 | 4.66 | 0.5 | 63 | 125 | 0.71% | 9.69 | -99 |
| 124 | 2036 | S | LICHEN OCCURRENCE | 5.42 | 4.0 | NA | 20 | -99 | NA | NA | NA | 30 | -99 | -99 | 6.15 | 0.5 | 42 | 151 | 0.40% | 6.08 | -99 |
| 124 | 2037 | S | LICHEN OCCURRENCE | 8.12 | 66.0 | NA | 50 | 340 | NA | NA | NA | 110 | 1.5 | -99 | 4.51 | 0.5 | 37 | 96 | 3.71% | 5.78 | -99 |
| 125 | 2033 | CR | LICHEN OCCURRENCE | 8.25 | -99 | NA | 10 | -99 | NA | NA | NA | 20 | -99 | 4 | 5.38 | -99 | 54 | 258 | 57 | 6.05 | -99 |
| 126 | 2042 | P | Coal Creek | 6.04 | -99 | NA | 15 | NA | NA | -99 | 24 | 400 | 0.5 | -99 | 4.11 | -99 | -99 | 301 | 5 | 8.62 | 10 |
| 127 | 1937 | RC | Jay Creek | 5.07 | -99 | NA | -99 | -99 | NA | NA | NA | 140 | 3.0 | 6 | 2.30 | 0.5 | 58 | 119 | 104 | 13.91 | -99 |
| 127 | 1938 | CC | Jay Creek | 6.52 | -99 | NA | 10 | -99 | NA | NA | NA | 310 | 1.0 | 6 | 3.93 | -99 | 22 | 139 | 35 | 5.71 | -99 |
| 128 | 1939 | RC | Jay Creek | 7.53 | -99 | NA | -99 | -99 | NA | NA | NA | 420 | 1.0 | -99 | 2.75 | -99 | 9 | 154 | 2 | 2.44 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 115 | 1914 | S | TIMBERLINE CK. LODE | -99 | 0.15 | -99 | 0.17 | 239 | 1 | 6 | 110 | 44 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 15 | -99 | 11 |
| 116 | 1792 | G | TIMBERLINE CK. LODE | -99 | 0.08 | -99 | 0.13 | 151 | -99 | 3 | 70 | 2398 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 11 | -99 | 38 |
| 116 | 1793 | G | TIMBERLINE CK. LODE | -99 | 0.12 | -99 | 0.07 | 434 | -99 | 42 | 80 | 3162 | NA | NA | -99 | NA | 0.02 | -99 | -99 | 6 | 10 | 4 |
| 116 | 1794 | RC | TIMBERLINE CK. LODE | -99 | 2.30 | -99 | 1.76 | 410 | 2 | 6 | 830 | 4 | NA | NA | -99 | NA | 0.48 | -99 | -99 | 153 | -99 | 83 |
| 116 | 1795 | RC | TIMBERLINE CK. LODE | -99 | 1.03 | -99 | 0.54 | 191 | 5 | 15 | 680 | 36 | NA | NA | -99 | NA | 0.32 | -99 | -99 | 90 | -99 | 20 |
| 116 | 1796 | RC | TIMBERLINE CK. LODE | -99 | 0.83 | 10 | 1.55 | 690 | -99 | 9 | 990 | 14 | NA | NA | -99 | NA | 0.52 | -99 | -99 | 167 | 10 | 52 |
| 117 | 1791 | G | TIMBERLINE CK. LODE | 1 | 2.55 | 10 | 1.75 | 495 | 1 | 6 | 800 | 8 | NA | NA | -99 | NA | 0.54 | -99 | -99 | 185 | 10 | 104 |
| 117 | 1913 | S | TIMBERLINE CK. LODE | -99 | 0.22 | -99 | 0.16 | 557 | -99 | 4 | 170 | 108 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 13 | -99 | -99 |
| 118 | 2032 | P | DENALI BENCH CLAIMS | -99 | 0.21 | 40 | 2.13 | 9573 | -99 | 16 | 730 | 2 | -99 | -99 | -99 | NA | 2.50 | -99 | -99 | 234 | 80 | 104 |
| 119 | 2030 | P | Nowater Creek | 1 | 0.15 | 10 | 2.61 | 2226 | -99 | 52 | 530 | 2 | 8 | -99 | -99 | NA | 1.97 | 10 | -99 | 448 | 40 | 100 |
| 120 | 2031 | P | Raft Creek | 3 | 0.41 | 20 | 3.34 | 4113 | -99 | 72 | 440 | 4 | -99 | -99 | -99 | NA | 4.24 | -99 | -99 | 428 | 50 | 115 |
| 121 | 1890 | S | Coal Creek | 2 | 0.39 | 10 | 3.05 | 1090 | -99 | 50 | 440 | 4 | NA | NA | -99 | NA | 0.84 | -99 | -99 | 280 | 10 | 68 |
| 122 | 2038 | S | AMPHI THEATER 1-25 | -99 | 0.06 | -99 | 1.02 | 523 | -99 | 17 | -99 | 2 | NA | NA | -99 | NA | 0.30 | -99 | -99 | 130 | 260 | 173 |
| 122 | 2039 | S | AMPHI THEATER 1-25 | -99 | -99 | -99 | 0.01 | 14 | -99 | 3 | -99 | 4 | NA | NA | -99 | NA | -99 | -99 | -99 | 1 | -99 | 6 |
| 122 | 2040 | CR | AMPHI THEATER 1-25 | -99 | 0.07 | -99 | 2.18 | 958 | -99 | 40 | 670 | 2 | NA | NA | 5 | NA | 1.10 | -99 | -99 | 354 | 100 | 113 |
| 122 | 2041 | CR | AMPHI THEATER 1-25 | 1 | 0.05 | -99 | 2.88 | 1018 | -99 | 44 | 660 | 2 | NA | NA | -99 | NA | 1.24 | -99 | -99 | 334 | 110 | 120 |
| 123 | 2034 | S | LICHEN OCCURRENCE | -99 | 0.72 | -99 | 4.10 | 949 | -99 | 82 | 650 | 2 | NA | NA | -99 | NA | 1.41 | -99 | -99 | 351 | 160 | 126 |
| 123 | 2035 | CC | LICHEN OCCURRENCE | -99 | 0.06 | -99 | 3.82 | 1128 | -99 | 57 | 770 | 2 | NA | NA | 5 | NA | 1.31 | -99 | -99 | 352 | 120 | 102 |
| 124 | 2036 | S | LICHEN OCCURRENCE | -99 | 0.06 | -99 | 2.58 | 1024 | -99 | 42 | 580 | 2 | NA | NA | -99 | NA | 0.91 | -99 | -99 | 273 | 60 | 85 |
| 124 | 2037 | S | LICHEN OCCURRENCE | -99 | 0.37 | -99 | 1.98 | 762 | -99 | 42 | -99 | 48 | NA | NA | 5 | NA | 0.92 | -99 | -99 | 261 | 540 | 327 |
| 125 | 2033 | CR | LICHEN OCCURRENCE | -99 | 0.07 | -99 | 5.08 | 1112 | -99 | 132 | 140 | 2 | NA | NA | -99 | NA | 0.25 | -99 | -99 | 237 | 20 | 54 |
| 126 | 2042 | P | Coal Creek | 1 | 0.49 | 30 | 2.36 | 4703 | -99 | 26 | 520 | 4 | -99 | -99 | -99 | NA | 3.24 | -99 | -99 | 266 | 40 | 103 |
| 127 | 1937 | RC | Jay Creek | -99 | 0.15 | -99 | 0.40 | 350 | -99 | 1 | 70 | 2 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 89 | 80 | 25 |
| 127 | 1938 | CC | Jay Creek | -99 | 0.62 | -99 | 0.25 | 296 | -99 | -99 | 110 | 6 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 63 | 10 | 19 |
| 128 | 1939 | RC | Jay Creek | -99 | 0.88 | -99 | 0.16 | 195 | 1 | 2 | 150 | 4 | NA | NA | -99 | NA | 0.18 | -99 | -99 | 60 | -99 | 2 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 128 | 1940 | RC | Jay Creek | 11.94 | -99 | NA | 10 | -99 | NA | NA | NA | 770 | -99 | -99 | 1.60 | 1 | 4 | 245 | 5 | 3.61 | -99 |
| 129 | 1941 | RC | Jay Creek | 7.15 | -99 | NA | 10 | 25 | NA | NA | NA | 640 | 0.5 | 2 | 2.23 | -99 | 9 | 103 | 20 | 3.51 | -99 |
| 129 | 1942 | RC | Jay Creek | 6.38 | -99 | NA | 15 | -99 | NA | NA | NA | 340 | 0.5 | -99 | 1.83 | -99 | 8 | 111 | 36 | 2.87 | -99 |
| 130 | 1921 | P | Jay Creek | 6.37 | -99 | NA | -99 | NA | NA | -99 | 5000 | 500 | -99 | -99 | 3.92 | -99 | 10 | 228 | 27 | 10.70 | -99 |
| 131 | 1920 | P | JAY CREEK | 5.53 | 2.0 | NA | -99 | NA | NA | 0.001 | 99999 | 350 | 0.5 | -99 | 3.65 | -99 | 2 | 181 | 57 | 13.42 | -99 |
| 132 | 1948 | RC | UNNAMED | 6.16 | 0.5 | NA | 10 | -99 | NA | NA | NA | 180 | 0.5 | -99 | 0.44 | -99 | 6 | 45 | 1 | 1.99 | -99 |
| 133 | 1946 | RC | UNNAMED | 5.54 | -99 | NA | 5 | -99 | NA | NA | NA | 400 | 0.5 | -99 | 0.02 | -99 | 6 | 101 | 10 | 1.47 | -99 |
| 133 | 1947 | RC | UNNAMED | 7.04 | 0.5 | NA | 20 | -99 | NA | NA | NA | 70 | 1.5 | 2 | 0.33 | 0.5 | 8 | 56 | 3 | 3.88 | -99 |
| 134 | 1945 | RC | UNNAMED | 4.07 | 0.5 | NA | -99 | -99 | NA | NA | NA | 210 | 1.0 | -99 | 0.02 | 0.5 | 46 | 164 | 37 | 5.78 | -99 |
| 135 | 1943 | RC | UNNAMED | 5.58 | -99 | NA | -99 | -99 | NA | NA | NA | 130 | 0.5 | -99 | 0.10 | -99 | 7 | 107 | 5 | 2.84 | -99 |
| 135 | 1944 | RC | UNNAMED | 5.63 | -99 | NA | 5 | -99 | NA | NA | NA | 150 | 0.5 | -99 | 0.07 | -99 | 7 | 92 | 7 | 2.31 | -99 |
| 136 | 1800 | RC | UNNAMED | 0.05 | -99 | NA | 130 | -99 | NA | NA | NA | 10 | -99 | -99 | 0.01 | -99 | -99 | 273 | 596 | 0.31 | -99 |
| 137 | 1798 | RC | UNNAMED | 5.24 | -99 | NA | 10 | -99 | NA | NA | NA | 460 | -99 | -99 | 0.67 | -99 | 15 | 53 | 41 | 3.03 | -99 |
| 137 | 1799 | RC | UNNAMED | 5.19 | -99 | NA | -99 | -99 | NA | NA | NA | 320 | -99 | -99 | 3.19 | -99 | 9 | 112 | 66 | 3.12 | 10 |
| 138 | 1761 | RC | UNNAMED | 8.15 | -99 | NA | 15 | -99 | NA | NA | NA | 460 | 1.5 | 2 | 6.18 | 0.5 | 35 | 63 | 0.01% | 6.19 | 10 |
| 138 | 2005 | CC | UNNAMED | 8.06 | 0.5 | NA | 20 | -99 | NA | NA | NA | 210 | 1.0 | -99 | 3.51 | -99 | 36 | 52 | 171 | 5.38 | -99 |
| 139 | 1762 | RC | UNNAMED | 7.48 | -99 | NA | 55 | -99 | NA | NA | NA | 230 | -99 | 4 | 5.11 | -99 | 46 | 57 | 133 | 8.01 | 20 |
| 139 | 1763 | RC | UNNAMED | 9.02 | -99 | NA | 20 | -99 | NA | NA | NA | 690 | 0.5 | 2 | 5.04 | -99 | 26 | 23 | 88 | 5.01 | 10 |
| 140 | 1764 | RC | Watana Mountain | 8.19 | -99 | NA | 15 | -99 | NA | NA | NA | 310 | 1.5 | 2 | 3.23 | -99 | 30 | 39 | 116 | 5.36 | 10 |
| 141 | 2006 | CR | Watana Mountain | 7.51 | 0.5 | NA | 35 | 20 | NA | NA | NA | 390 | 1.5 | 2 | 1.28 | -99 | 21 | 29 | 51 | 5.54 | -99 |
| 142 | 2003 | S | GRIZZLEY BEAR 1-56 | 5.52 | 75.0 | NA | 10 | 360 | NA | NA | NA | 30 | 2.0 | -99 | 2.12 | 2.5 | 57 | 141 | 5.17% | 7.83 | 10 |
| 142 | 2004 | CC | GRIZZLEY BEAR 1-56 | 5.26 | 0.5 | NA | -99 | -99 | NA | NA | NA | 30 | 1.0 | 2 | 6.85 | -99 | 26 | 153 | 67 | 2.52 | -99 |
| 143 | 2001 | CC | GRIZZLEY BEAR 1-56 | 8.73 | 0.5 | NA | 10 | -99 | NA | NA | NA | 260 | 1.5 | 2 | 4.90 | -99 | 27 | 33 | 176 | 4.67 | -99 |
| 143 | 2002 | CC | GRIZZLEY BEAR 1-56 | 8.30 | -99 | NA | -99 | -99 | NA | NA | NA | 870 | 1.5 | 2 | 2.32 | -99 | 15 | 56 | 36 | 3.11 | -99 |
| 144 | 1777 | RC | Watana Mountain | 0.66 | 3.0 | NA | 60 | 20 | NA | NA | NA | 70 | -99 | -99 | 3.87 | 2 | 281 | 8 | 0.26% | 99999 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 128 | 1940 | RC | Jay Creek | -99 | 1.78 | -99 | 0.82 | 270 | 5 | 4 | 10 | 6 | NA | NA | -99 | NA | 0.33 | -99 | -99 | 70 | 10 | 28 |
| 129 | 1941 | RC | Jay Creek | -99 | 1.03 | -99 | 1.14 | 517 | 2 | 2 | 140 | 2 | NA | NA | -99 | NA | 0.23 | -99 | -99 | 132 | -99 | 24 |
| 129 | 1942 | RC | Jay Creek | -99 | 0.80 | -99 | 0.60 | 214 | 4 | 2 | 70 | 4 | NA | NA | -99 | NA | 0.18 | -99 | -99 | 68 | -99 | 10 |
| 130 | 1921 | P | Jay Creek | -99 | 0.51 | -99 | 2.02 | 2023 | -99 | 39 | 440 | 6 | -99 | -99 | 5 | NA | 2.28 | -99 | -99 | 455 | 50 | 117 |
| 131 | 1920 | P | JAY CREEK | -99 | 0.38 | -99 | 1.77 | 2444 | -99 | 31 | 350 | 54 | -99 | -99 | -99 | NA | 3.94 | -99 | -99 | 602 | 80 | 136 |
| 132 | 1948 | RC | UNNAMED | -99 | 0.69 | -99 | 0.30 | 422 | -99 | -99 | 120 | 4 | NA | NA | -99 | NA | 0.10 | -99 | -99 | -99 | -99 | 38 |
| 133 | 1946 | RC | UNNAMED | -99 | 1.73 | -99 | 0.69 | 230 | 1 | 2 | 30 | 24 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 105 | -99 | 20 |
| 133 | 1947 | RC | UNNAMED | -99 | 0.29 | -99 | 1.14 | 574 | -99 | -99 | 450 | 10 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 69 | -99 | 95 |
| 134 | 1945 | RC | UNNAMED | 1 | 1.25 | -99 | 0.75 | 3488 | -99 | 12 | 140 | 18 | NA | NA | -99 | NA | 0.10 | -99 | -99 | 107 | -99 | 226 |
| 135 | 1943 | RC | UNNAMED | -99 | 0.46 | -99 | 0.96 | 353 | -99 | 2 | 20 | 6 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 119 | -99 | 44 |
| 135 | 1944 | RC | UNNAMED | -99 | 0.64 | -99 | 0.97 | 255 | -99 | 1 | 20 | 10 | NA | NA | -99 | NA | 0.22 | -99 | -99 | 144 | -99 | 46 |
| 136 | 1800 | RC | UNNAMED | 1 | -99 | -99 | -99 | 19 | 1 | 4 | -99 | 2 | NA | NA | 15 | NA | -99 | -99 | -99 | 2 | -99 | 6 |
| 137 | 1798 | RC | UNNAMED | -99 | 1.06 | 10 | 0.49 | 401 | 16 | 15 | 370 | 8 | NA | NA | -99 | NA | 0.19 | -99 | -99 | 102 | -99 | 78 |
| 137 | 1799 | RC | UNNAMED | 1 | 1.01 | 10 | 0.38 | 868 | -99 | 12 | 1310 | -99 | NA | NA | 5 | NA | 0.17 | -99 | -99 | 94 | -99 | 43 |
| 138 | 1761 | RC | UNNAMED | 1 | 0.38 | 20 | 1.96 | 990 | -99 | 25 | 1790 | -99 | NA | NA | -99 | NA | 0.68 | -99 | -99 | 267 | -99 | 89 |
| 138 | 2005 | CC | UNNAMED | -99 | 0.61 | -99 | 0.70 | 1368 | -99 | 18 | 1430 | 4 | NA | NA | -99 | NA | 0.64 | -99 | -99 | 201 | 10 | 86 |
| 139 | 1762 | RC | UNNAMED | -99 | 1.07 | 10 | 1.68 | 1410 | -99 | 26 | 1730 | -99 | NA | NA | -99 | NA | 0.51 | -99 | -99 | 232 | -99 | 100 |
| 139 | 1763 | RC | UNNAMED | -99 | 1.42 | 20 | 1.04 | 824 | -99 | 10 | 1520 | -99 | NA | NA | 5 | NA | 0.60 | -99 | -99 | 211 | -99 | 79 |
| 140 | 1764 | RC | Watana Mountain | 2 | 1.02 | 30 | 1.45 | 929 | 1 | 12 | 2140 | -99 | NA | NA | 5 | NA | 0.49 | -99 | -99 | 198 | -99 | 76 |
| 141 | 2006 | CR | Watana Mountain | 1 | 1.17 | 10 | 1.50 | 525 | -99 | 4 | 970 | 14 | NA | NA | -99 | NA | 0.66 | -99 | -99 | 179 | 10 | 53 |
| 142 | 2003 | S | GRIZZLEY BEAR 1-56 | -99 | 0.05 | -99 | 4.38 | 918 | -99 | 57 | -99 | 18 | NA | NA | -99 | NA | 0.84 | -99 | -99 | 253 | 550 | 392 |
| 142 | 2004 | CC | GRIZZLEY BEAR 1-56 | -99 | 0.27 | -99 | 2.85 | 636 | -99 | 28 | 660 | 10 | NA | NA | -99 | NA | 0.71 | -99 | -99 | 158 | -99 | 41 |
| 143 | 2001 | CC | GRIZZLEY BEAR 1-56 | 1 | 3.03 | -99 | 0.51 | 956 | -99 | 11 | 2290 | 12 | NA | NA | 20 | NA | 0.50 | -99 | -99 | 178 | 20 | 99 |
| 143 | 2002 | CC | GRIZZLEY BEAR 1-56 | 4 | 2.70 | -99 | 0.84 | 858 | -99 | 2 | 1420 | 10 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 134 | -99 | 46 |
| 144 | 1777 | RC | Watana Mountain | -99 | 0.03 | 40 | 1.06 | 756 | -99 | 608 | 2600 | -99 | NA | NA | 15 | NA | 0.06 | -99 | -99 | 85 | -99 | 251 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 1778 | RC | Watana Mountain | 1.69 | 1.5 | NA | 65 | 5 | NA | NA | NA | 110 | -99 | 10 | 6.14 | 2 | 151 | 48 | 0.14% | 99999 | 10 |
| 144 | 1779 | G | Watana Mountain | 1.62 | 1.5 | NA | 45 | 10 | NA | NA | NA | 90 | -99 | 4 | 6.16 | 2 | 156 | 48 | 0.15% | 99999 | 10 |
| 145 | 1775 | RC | Watana Mountain | 3.86 | 0.5 | NA | 30 | -99 | NA | NA | NA | 970 | -99 | -99 | 5.60 | -99 | 53 | 121 | 0.05% | 6.80 | -99 |
| 145 | 1776 | RC | Watana Mountain | 1.22 | 2.5 | NA | 170 | -99 | NA | NA | NA | 50 | -99 | -99 | 15.16 | 1.5 | 255 | 37 | 0.16% | 14.41 | 10 |
| 146 | 1773 | RC | Watana Mountain | 2.23 | 0.5 | NA | 60 | 50 | NA | NA | NA | 610 | -99 | 14 | 13.67 | 1 | 60 | 71 | 0.03% | 11.91 | 10 |
| 146 | 1774 | RC | Watana Mountain | 1.49 | -99 | NA | 5 | -99 | NA | NA | NA | 120 | -99 | 10 | 99999 | 0.5 | 57 | 71 | 0.02% | 5.24 | 30 |
| 146 | 1989 | G | Watana Mountain | 5.66 | 1.0 | NA | 25 | -99 | NA | NA | NA | 260 | -99 | -99 | 0.07 | -99 | -99 | 244 | 4 | 1.98 | -99 |
| 147 | 1771 | RC | Watana Mountain | 1.76 | 3.5 | NA | 35 | 10 | NA | NA | NA | 460 | -99 | 14 | 8.03 | 1 | 60 | 91 | 0.05% | 16.70 | 10 |
| 147 | 1772 | RC | Watana Mountain | 2.13 | -99 | NA | 10 | -99 | NA | NA | NA | 1180 | -99 | 6 | 4.24 | 0.5 | 15 | 240 | 138 | 3.71 | -99 |
| 148 | 1753 | S | Watana Mountain | 5.87 | 0.5 | NA | 10 | -99 | NA | NA | NA | 380 | -99 | -99 | 6.33 | 1 | 46 | 92 | 604 | 7.24 | -99 |
| 148 | 1754 | S | Watana Mountain | 5.89 | 0.5 | NA | 30 | -99 | NA | NA | NA | 500 | -99 | -99 | 4.50 | -99 | 47 | 84 | 193 | 5.66 | -99 |
| 148 | 1755 | S | Watana Mountain | 8.26 | 0.5 | NA | 20 | -99 | NA | NA | NA | 230 | 1.0 | 2 | 5.66 | -99 | 25 | 37 | 378 | 3.39 | 20 |
| 149 | 1597 | S | Watana Mountain | 6.72 | 0.5 | NA | 15 | -99 | NA | NA | NA | 320 | -99 | -99 | 9.60 | -99 | 44 | 447 | 63 | 4.67 | -99 |
| 150 | 1598 | CC | Watana Mountain | 1.81 | 1.5 | NA | 30 | -99 | NA | NA | NA | 20 | -99 | 2 | 13.05 | 1.5 | 94 | 73 | 0.06% | 16.44 | 10 |
| 150 | 1599 | S | Watana Mountain | 4.00 | 3.5 | NA | 45 | -99 | NA | NA | NA | 120 | -99 | -99 | 7.63 | 1 | 222 | 69 | 1131 | 10.69 | 10 |
| 150 | 1756 | CH | Watana Mountain | 3.07 | 1.0 | NA | 65 | -99 | NA | NA | NA | 120 | -99 | 6 | 8.49 | 1.5 | 316 | 75 | 995 | 14.71 | 10 |
| 150 | 1757 | RC | Watana Mountain | 3.84 | -99 | NA | -99 | -99 | NA | NA | NA | 110 | -99 | 10 | 21.76 | 0.5 | 32 | 57 | 99 | 8.58 | 20 |
| 151 | 1752 | P | SWEET GLORY | 6.39 | -99 | NA | 15 | NA | NA | -99 | 20 | 1150 | 1.0 | -99 | 5.28 | 0.5 | 28 | 478 | 73 | 7.28 | -99 |
| 152 | 1758 | P | SWEET GLORY | 3.52 | -99 | NA | -99 | NA | NA | -99 | 70 | 380 | 0.5 | -99 | 8.42 | 0.5 | 5 | 1181 | 69 | 15.17 | -99 |
| 153 | 1759 | P | SWEET GLORY | 4.64 | -99 | NA | -99 | NA | NA | -99 | 16 | 610 | 0.5 | -99 | 6.48 | 0.5 | 26 | 1091 | 174 | 12.26 | -99 |
| 154 | 1760 | P | SWEET GLORY | 4.02 | -99 | NA | -99 | NA | NA | -99 | 6 | 430 | -99 | -99 | 7.74 | 0.5 | 20 | 1191 | 69 | 11.52 | -99 |
| 155 | 1600 | P | SWEET GLORY | 6.52 | 0.5 | NA | 35 | NA | NA | 0.001 | 5000 | 600 | 0.5 | -99 | 3.98 | 0.5 | 22 | 290 | 74 | 8.23 | -99 |
| 156 | 2212 | G | Butte Creek | -99 | -99 | NA | -99 | -99 | NA | NA | -99 | 10 | -99 | -99 | 0.08 | 2.5 | 97 | 13 | 39 | 99999 | -99 |
| 156 | 2213 | G | Butte Creek | 1.00 | -99 | NA | 15 | -99 | NA | NA | 4 | 20 | 1.5 | -99 | 0.76 | 0.5 | 149 | 609 | 203 | 9.49 | -99 |
| 156 | 2214 | S | Butte Creek | 0.63 | -99 | NA | 20 | -99 | NA | NA | -99 | 10 | -99 | -99 | 0.11 | -99 | 63 | 18 | 13 | 3.79 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 144 | 1778 | RC | Watana Mountain | -99 | 0.19 | 30 | 1.16 | 1217 | -99 | 450 | 2050 | -99 | NA | NA | 5 | NA | 0.11 | -99 | -99 | 63 | 10 | 159 |
| 144 | 1779 | G | Watana Mountain | -99 | 0.14 | 30 | 1.13 | 1199 | -99 | 478 | 2030 | -99 | NA | NA | 10 | NA | 0.10 | -99 | -99 | 60 | -99 | 159 |
| 145 | 1775 | RC | Watana Mountain | -99 | 1.04 | 20 | 1.29 | 1608 | 1 | 50 | 380 | -99 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 78 | -99 | 92 |
| 145 | 1776 | RC | Watana Mountain | -99 | 0.06 | 30 | 4.05 | 2507 | -99 | 798 | 7030 | -99 | NA | NA | 5 | NA | 0.06 | -99 | -99 | 36 | 40 | 162 |
| 146 | 1773 | RC | Watana Mountain | -99 | 0.84 | -99 | 2.99 | 2474 | -99 | 145 | 420 | -99 | NA | NA | 5 | NA | 0.12 | -99 | -99 | 56 | 20 | 112 |
| 146 | 1774 | RC | Watana Mountain | -99 | 0.81 | -99 | 0.96 | 927 | -99 | 197 | 310 | -99 | NA | NA | 5 | NA | 0.09 | -99 | -99 | 36 | 10 | 52 |
| 146 | 1989 | G | Watana Mountain | 1 | 5.29 | 10 | 0.07 | 47 | 2 | 5 | 240 | 6 | NA | NA | -99 | NA | 0.26 | -99 | -99 | 11 | -99 | 13 |
| 147 | 1771 | RC | Watana Mountain | -99 | 0.76 | 40 | 1.33 | 2247 | -99 | 38 | 6290 | -99 | NA | NA | 5 | NA | 0.11 | -99 | -99 | 45 | 10 | 171 |
| 147 | 1772 | RC | Watana Mountain | 2 | 1.70 | 10 | 0.66 | 1603 | -99 | 19 | 240 | -99 | NA | NA | -99 | NA | 0.12 | -99 | -99 | 49 | -99 | 73 |
| 148 | 1753 | S | Watana Mountain | -99 | 0.90 | 40 | 3.12 | 1035 | -99 | 25 | 1930 | -99 | NA | NA | -99 | NA | 0.74 | -99 | -99 | 351 | -99 | 82 |
| 148 | 1754 | S | Watana Mountain | -99 | 0.73 | 20 | 2.76 | 1275 | -99 | 42 | 380 | -99 | NA | NA | -99 | NA | 0.74 | -99 | -99 | 300 | -99 | 72 |
| 148 | 1755 | S | Watana Mountain | 2 | 0.96 | 10 | 1.21 | 534 | 12 | 6 | 1460 | -99 | NA | NA | 5 | NA | 0.41 | -99 | -99 | 136 | -99 | 22 |
| 149 | 1597 | S | Watana Mountain | -99 | 0.92 | 20 | 5.54 | 1039 | -99 | 97 | 410 | -99 | NA | NA | 5 | NA | 0.38 | -99 | -99 | 147 | -99 | 103 |
| 150 | 1598 | CC | Watana Mountain | -99 | 0.04 | 20 | 1.40 | 1788 | -99 | 191 | 99999 | -99 | NA | NA | 5 | NA | 0.14 | -99 | -99 | 52 | 30 | 72 |
| 150 | 1599 | S | Watana Mountain | -99 | 0.99 | 30 | 0.46 | 923 | -99 | 615 | 5430 | 6 | NA | NA | 10 | NA | 0.13 | -99 | -99 | 120 | 20 | 90 |
| 150 | 1756 | CH | Watana Mountain | -99 | 0.42 | 10 | 0.68 | 1044 | -99 | 317 | 1270 | -99 | NA | NA | 5 | NA | 0.14 | -99 | -99 | 52 | 10 | 203 |
| 150 | 1757 | RC | Watana Mountain | -99 | 0.19 | -99 | 1.44 | 2489 | -99 | 23 | 4210 | -99 | NA | NA | -99 | NA | 0.17 | -99 | -99 | 60 | 10 | 47 |
| 151 | 1752 | P | SWEET GLORY | 5 | 0.38 | 10 | 3.68 | 1613 | -99 | 88 | 510 | 4 | 6 | -99 | 5 | NA | 1.07 | -99 | -99 | 294 | 30 | 118 |
| 152 | 1758 | P | SWEET GLORY | 2 | 0.07 | -99 | 4.11 | 3117 | -99 | 101 | 430 | 2 | -99 | -99 | 5 | NA | 4.87 | -99 | -99 | 610 | 60 | 155 |
| 153 | 1759 | P | SWEET GLORY | -99 | 0.11 | -99 | 5.39 | 1901 | -99 | 144 | 290 | 2 | 6 | -99 | 5 | NA | 2.50 | -99 | -99 | 480 | 40 | 132 |
| 154 | 1760 | P | SWEET GLORY | -99 | 0.06 | -99 | 5.18 | 2495 | -99 | 125 | 260 | 2 | 4 | 10 | 5 | NA | 3.08 | -99 | -99 | 463 | 30 | 125 |
| 155 | 1600 | P | SWEET GLORY | -99 | 0.67 | -99 | 3.02 | 1623 | -99 | 64 | 630 | 64 | -99 | -99 | 5 | NA | 1.66 | -99 | -99 | 324 | 30 | 141 |
| 156 | 2212 | G | Butte Creek | -99 | 0.02 | 20 | 1.34 | 389 | -99 | 73 | -99 | 2 | -99 | -99 | -99 | NA | -99 | -99 | -99 | 14 | -99 | 97 |
| 156 | 2213 | G | Butte Creek | -99 | -99 | -99 | 15.50 | 1104 | -99 | 737 | 40 | 2 | 28 | 40 | -99 | NA | 0.15 | -99 | -99 | 59 | -99 | 72 |
| 156 | 2214 | S | Butte Creek | -99 | -99 | -99 | 19.86 | 433 | -99 | 613 | -99 | 6 | -99 | -99 | -99 | NA | 0.01 | -99 | -99 | 10 | -99 | 47 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | 2020 | P | Butte Creek | 5.36 | -99 | NA | -99 | NA | NA | -99 | -99 | 1570 | 0.5 | -99 | 5.59 | -99 | 30 | 743 | 60 | 6.26 | 10 |
| 158 | 1780 | G | UNNAMED | 6.48 | -99 | NA | 145 | -99 | NA | NA | NA | 230 | -99 | 4 | 6.82 | -99 | 46 | 284 | 0.02% | 6.48 | 10 |
| 158 | 1781 | G | UNNAMED | 2.65 | -99 | NA | 20 | -99 | NA | NA | NA | 1440 | -99 | -99 | 0.28 | -99 | 15 | 66 | 110 | 2.39 | -99 |
| 159 | 1782 | RC | UNNAMED | 5.72 | -99 | NA | 25 | -99 | NA | NA | NA | 530 | -99 | -99 | 5.97 | 0.5 | 48 | 148 | 127 | 7.09 | 20 |
| 159 | 1783 | RC | UNNAMED | 5.83 | -99 | NA | 35 | -99 | NA | NA | NA | 660 | -99 | -99 | 3.19 | -99 | 51 | 9 | 114 | 8.46 | 20 |
| 160 | 2016 | P | NELSON DISCOVERY #2 | 4.56 | -99 | NA | 5 | NA | NA | -99 | 24 | 160 | -99 | -99 | 6.60 | 0.5 | 46 | 1125 | 150 | 9.46 | 10 |
| 161 | 2015 | P | NELSON DISCOVERY #2 | 6.86 | -99 | NA | -99 | NA | NA | -99 | 4 | 280 | 0.5 | -99 | 6.09 | -99 | 29 | 259 | 131 | 7.48 | 20 |
| 162 | 2010 | RC | WAY MOUNTAIN | 6.99 | 0.5 | NA | 10 | -99 | NA | NA | 10 | 120 | 1.5 | 6 | 4.94 | -99 | 51 | 215 | 167 | 7.01 | 10 |
| 163 | 2011 | CC | WAY MOUNTAIN | 5.53 | -99 | NA | -99 | 160 | NA | NA | 200 | 10 | 1.0 | 10 | 15.35 | -99 | 37 | 97 | -99 | 5.49 | 10 |
| 163 | 2013 | S | WAY MOUNTAIN | -99 | -99 | NA | -99 | -99 | NA | NA | -99 | 10 | -99 | 6 | 0.08 | 2.5 | 116 | 6 | 18 | 99999 | -99 |
| 164 | 2012 | CR | WAY MOUNTAIN | 9.03 | -99 | NA | 20 | -99 | NA | NA | -99 | 110 | -99 | -99 | 11.75 | -99 | 43 | 1132 | 86 | 2.88 | -99 |
| 164 | 2014 | CC | WAY MOUNTAIN | 7.28 | 0.5 | NA | -99 | -99 | NA | NA | -99 | 20 | 1.5 | 10 | 14.37 | -99 | 47 | 130 | 92 | 5.79 | 10 |
| 165 | 2061 | RC | Way Mountain | 3.24 | -99 | NA | 15 | -99 | NA | NA | NA | 2020 | 0.5 | -99 | 0.05 | -99 | 8 | 93 | 39 | 1.83 | -99 |
| 165 | 2207 | G | Way Mountain | 7.59 | -99 | NA | -99 | -99 | NA | NA | 4 | 110 | 1.0 | -99 | 6.86 | -99 | 52 | 284 | 120 | 6.29 | -99 |
| 166 | 2062 | G | UNNAMED | 0.49 | -99 | NA | 5 | -99 | NA | NA | -99 | 10 | 0.5 | -99 | 1.57 | 0.5 | 211 | 1226 | 10 | 15.62 | -99 |
| 167 | 2208 | G | UNNAMED | 4.16 | -99 | NA | -99 | -99 | NA | NA | -99 | 160 | 1.5 | -99 | 4.01 | 1 | 119 | 1744 | 49 | 8.24 | -99 |
| 168 | 2209 | G | UNNAMED | 1.79 | -99 | NA | 10 | -99 | NA | NA | -99 | 10 | -99 | -99 | 5.44 | 0.5 | 103 | 2821 | 331 | 6.67 | -99 |
| 168 | 2210 | G | UNNAMED | 0.85 | -99 | NA | 10 | -99 | NA | NA | 18 | 10 | 1.5 | -99 | 0.30 | 0.5 | 92 | 337 | 117 | 13.62 | -99 |
| 168 | 2211 | S | UNNAMED | 0.15 | -99 | NA | -99 | -99 | NA | NA | -99 | 10 | -99 | -99 | 0.47 | 3 | 106 | 334 | 35 | 99999 | -99 |
| 169 | 2017 | P | BUTTE CREEK GOLD | 6.36 | -99 | NA | 10 | NA | NA | 0.001 | 500 | 560 | 0.5 | -99 | 4.65 | -99 | 14 | 312 | 34 | 7.69 | 10 |
| 170 | 1789 | RC | Wickersham Creek | 6.92 | -99 | NA | -99 | -99 | NA | NA | NA | 750 | -99 | -99 | 3.81 | -99 | 20 | 142 | 95 | 4.12 | -99 |
| 170 | 1790 | RC | Wickersham Creek | 6.93 | -99 | NA | 15 | 5 | NA | NA | NA | 440 | -99 | -99 | 2.93 | -99 | 18 | 146 | 74 | 5.24 | -99 |
| 171 | 1787 | G | Wickersham Creek | 7.33 | -99 | NA | 10 | -99 | NA | NA | NA | 490 | -99 | 4 | 5.06 | -99 | 30 | 120 | 72 | 5.25 | -99 |
| 171 | 1788 | RC | Wickersham Creek | 6.75 | -99 | NA | 5 | -99 | NA | NA | NA | 180 | -99 | -99 | 5.46 | -99 | 28 | 159 | 0.01% | 4.58 | -99 |
| 172 | 1910 | RC | Wickersham Creek | 7.57 | -99 | NA | 5 | -99 | NA | NA | NA | 430 | -99 | -99 | 3.06 | -99 | 24 | 119 | 89 | 4.82 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | 2020 | P | Butte Creek | -99 | 0.31 | -99 | 4.47 | 1422 | -99 | 145 | 460 | 4 | 6 | -99 | -99 | NA | 0.94 | 10 | -99 | 265 | 10 | 113 |
| 158 | 1780 | G | UNNAMED | -99 | 0.37 | -99 | 2.77 | 1410 | -99 | 83 | 790 | -99 | NA | NA | 5 | NA | 1.03 | -99 | -99 | 278 | -99 | 48 |
| 158 | 1781 | G | UNNAMED | 1 | 0.53 | -99 | 0.10 | 1206 | -99 | 47 | 120 | 20 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 29 | -99 | 79 |
| 159 | 1782 | RC | UNNAMED | -99 | 0.30 | -99 | 1.89 | 1094 | -99 | 67 | 680 | 24 | NA | NA | 5 | NA | 0.89 | -99 | -99 | 279 | -99 | 79 |
| 159 | 1783 | RC | UNNAMED | -99 | 0.05 | 20 | 2.33 | 879 | -99 | 14 | 830 | 4 | NA | NA | 5 | NA | 1.23 | -99 | -99 | 494 | -99 | 101 |
| 160 | 2016 | P | NELSON DISCOVERY #2 | -99 | 0.09 | -99 | 6.59 | 1346 | -99 | 272 | 340 | 2 | 10 | -99 | -99 | NA | 1.16 | -99 | -99 | 283 | 10 | 104 |
| 161 | 2015 | P | NELSON DISCOVERY #2 | -99 | 0.19 | -99 | 3.63 | 1271 | -99 | 80 | 510 | 2 | 12 | -99 | 5 | NA | 1.31 | -99 | -99 | 360 | 40 | 110 |
| 162 | 2010 | RC | WAY MOUNTAIN | -99 | 0.18 | -99 | 3.54 | 1103 | -99 | 75 | 640 | 2 | 16 | -99 | -99 | NA | 1.10 | -99 | -99 | 319 | 20 | 74 |
| 163 | 2011 | CC | WAY MOUNTAIN | -99 | -99 | -99 | 3.86 | 1726 | -99 | 40 | 650 | 2 | 18 | -99 | -99 | NA | 0.96 | -99 | -99 | 275 | 20 | 21 |
| 163 | 2013 | S | WAY MOUNTAIN | -99 | 0.02 | 20 | 2.46 | 726 | -99 | 72 | -99 | 2 | -99 | -99 | -99 | NA | -99 | -99 | -99 | 17 | 60 | 66 |
| 164 | 2012 | CR | WAY MOUNTAIN | -99 | 0.01 | -99 | 5.77 | 636 | -99 | 148 | 60 | 4 | -99 | -99 | -99 | NA | 0.15 | -99 | -99 | 89 | -99 | 22 |
| 164 | 2014 | CC | WAY MOUNTAIN | -99 | 0.03 | -99 | 2.63 | 988 | -99 | 39 | 1100 | 2 | -99 | -99 | -99 | NA | 0.65 | -99 | -99 | 185 | 20 | 50 |
| 165 | 2061 | RC | Way Mountain | 2 | 0.43 | -99 | 0.57 | 602 | -99 | 14 | 120 | 14 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 66 | -99 | 34 |
| 165 | 2207 | G | Way Mountain | -99 | 0.17 | -99 | 4.41 | 1196 | -99 | 98 | 230 | 2 | 14 | 15 | -99 | NA | 0.33 | -99 | -99 | 263 | 10 | 58 |
| 166 | 2062 | G | UNNAMED | 1 | -99 | -99 | 11.85 | 1157 | -99 | 469 | 20 | 2 | -99 | -99 | -99 | NA | 0.26 | -99 | -99 | 289 | -99 | 80 |
| 167 | 2208 | G | UNNAMED | -99 | 0.16 | -99 | 12.71 | 1267 | -99 | 767 | 60 | 2 | 4 | 10 | -99 | NA | 0.21 | -99 | -99 | 128 | -99 | 72 |
| 168 | 2209 | G | UNNAMED | -99 | -99 | -99 | 13.59 | 1378 | -99 | 581 | 30 | 2 | 14 | 15 | -99 | NA | 0.24 | -99 | -99 | 140 | -99 | 104 |
| 168 | 2210 | G | UNNAMED | -99 | -99 | -99 | 15.63 | 734 | -99 | 339 | 40 | 2 | -99 | 10 | -99 | NA | 0.04 | -99 | -99 | 28 | -99 | 58 |
| 168 | 2211 | S | UNNAMED | -99 | -99 | 20 | 6.24 | 584 | -99 | 189 | -99 | 2 | 6 | -99 | -99 | NA | 0.02 | -99 | -99 | 29 | -99 | 74 |
| 169 | 2017 | P | BUTTE CREEK GOLD | -99 | 0.60 | 10 | 2.88 | 2336 | -99 | 51 | 690 | 4 | 4 | -99 | -99 | NA | 1.48 | -99 | -99 | 221 | 40 | 102 |
| 170 | 1789 | RC | Wickersham Creek | -99 | 1.20 | 10 | 1.93 | 637 | 7 | 16 | 680 | 6 | NA | NA | -99 | NA | 0.64 | -99 | -99 | 192 | -99 | 67 |
| 170 | 1790 | RC | Wickersham Creek | -99 | 1.67 | -99 | 2.67 | 770 | -99 | 11 | 740 | -99 | NA | NA | -99 | NA | 0.70 | -99 | -99 | 220 | -99 | 56 |
| 171 | 1787 | G | Wickersham Creek | -99 | 1.15 | 10 | 2.53 | 1070 | 1 | 40 | 870 | -99 | NA | NA | -99 | NA | 0.64 | -99 | -99 | 214 | -99 | 89 |
| 171 | 1788 | RC | Wickersham Creek | -99 | 0.38 | 10 | 2.11 | 851 | 2 | 27 | 730 | -99 | NA | NA | -99 | NA | 0.64 | -99 | -99 | 196 | -99 | 54 |
| 172 | 1910 | RC | Wickersham Creek | -99 | 1.70 | 10 | 2.18 | 686 | 3 | 22 | 680 | 6 | NA | NA | -99 | NA | 0.56 | -99 | -99 | 186 | 10 | 64 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 1911 | RC | Wickersham Creek | 7.97 | -99 | NA | 15 | -99 | NA | NA | NA | 520 | -99 | -99 | 3.23 | -99 | 30 | 123 | 93 | 5.28 | -99 |
| 172 | 1912 | RC | Wickersham Creek | 7.48 | 0.5 | NA | 15 | 10 | NA | NA | NA | 390 | -99 | 4 | 4.06 | 1 | 27 | 146 | 149 | 5.13 | -99 |
| 173 | 1909 | P | NAY NADELI | 6.50 | 0.5 | NA | 25 | NA | NA | 0.013 | 99999 | 590 | 0.5 | -99 | 2.57 | -99 | 7 | 257 | 33 | 7.93 | -99 |
| 174 | 1784 | RC | Gold Creek | 4.04 | -99 | NA | 410 | 80 | NA | NA | NA | 320 | -99 | -99 | 2.03 | -99 | 9 | 235 | 19 | 1.56 | -99 |
| 174 | 2018 | CC | Gold Creek | 9.16 | -99 | NA | -99 | -99 | NA | NA | NA | 210 | 1.0 | 4 | 3.37 | -99 | 13 | 135 | 14 | 1.30 | -99 |
| 175 | 2019 | CC | Gold Creek | 8.17 | 0.5 | NA | 220 | 110 | NA | NA | NA | 1240 | 1.0 | 4 | 1.20 | -99 | 16 | 40 | 153 | 4.67 | -99 |
| 176 | 1770 | RC | BUTTE CREEK SW | 8.57 | -99 | NA | 105 | -99 | NA | NA | NA | 990 | -99 | 6 | 4.90 | 0.5 | 23 | 70 | 24 | 4.65 | 10 |
| 176 | 2009 | CC | BUTTE CREEK SW | 7.00 | 0.5 | NA | -99 | -99 | NA | NA | NA | 980 | 0.5 | -99 | 0.68 | -99 | 9 | 97 | 38 | 2.24 | -99 |
| 177 | 1766 | RC | Watana River | 5.12 | -99 | NA | 25 | -99 | NA | NA | NA | 320 | 0.5 | -99 | 1.08 | -99 | 8 | 124 | 13 | 2.22 | -99 |
| 177 | 1767 | RC | Watana River | 4.68 | -99 | NA | 15 | -99 | NA | NA | NA | 1560 | 0.5 | -99 | 0.89 | -99 | 6 | 120 | 9 | 1.70 | -99 |
| 178 | 2007 | CC | Watana River | 4.13 | 0.5 | NA | 125 | -99 | NA | NA | NA | 260 | 0.5 | 2 | 1.75 | 0.5 | 10 | 179 | 34 | 1.52 | -99 |
| 178 | 2008 | S | Watana River | 7.72 | 0.5 | NA | 20 | -99 | NA | NA | NA | 240 | 1.0 | 2 | 2.50 | -99 | 21 | 142 | 40 | 3.67 | -99 |
| 179 | 1768 | RC | Watana River | 5.13 | -99 | NA | 20 | -99 | NA | NA | NA | 1190 | 1.0 | -99 | 1.38 | -99 | 8 | 76 | 21 | 2.58 | -99 |
| 179 | 1769 | RC | Watana River | 5.35 | -99 | NA | 5 | -99 | NA | NA | NA | 820 | -99 | 6 | 1.08 | 0.5 | 8 | 117 | 8 | 1.97 | -99 |
| 180 | 1765 | P | BIG LAKE | 6.45 | -99 | NA | 5 | NA | NA | -99 | 50 | 620 | 1.0 | -99 | 2.68 | -99 | 2 | 179 | -99 | 6.87 | -99 |
| 181 | 1997 | G | TSUSENA CK. PROSPECT | 7.26 | -99 | NA | -99 | -99 | NA | NA | NA | 610 | -99 | -99 | 8.36 | -99 | 48 | 121 | 471 | 7.46 | 10 |
| 182 | 1996 | G | TSUSENA CK. PROSPECT | 8.87 | -99 | NA | -99 | -99 | NA | NA | NA | 950 | -99 | -99 | 4.44 | -99 | 33 | 99 | 18 | 7.28 | 10 |
| 183 | 1993 | G | TSUSENA CK. PROSPECT | 7.45 | 1.5 | NA | 15 | -99 | NA | NA | NA | 600 | 2.0 | -99 | 0.18 | 4.5 | 2 | 53 | 9 | 2.65 | -99 |
| 183 | 1994 | G | TSUSENA CK. PROSPECT | 5.55 | 11.0 | NA | 25 | -99 | NA | NA | NA | 350 | 1.0 | 2 | 0.14 | 524.5 | 18 | 106 | 0.08% | 9.68 | -99 |
| 183 | 1995 | G | TSUSENA CK. PROSPECT | 7.25 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1450 | 1.0 | -99 | 0.46 | 8 | 19 | 301 | 42 | 4.33 | -99 |
| 184 | 1636 | S | TSUSENA CK. PROSPECT | 9.10 | 0.5 | NA | 5 | -99 | NA | NA | NA | 400 | -99 | 6 | 3.12 | -99 | 13 | 43 | 40 | 3.76 | 10 |
| 184 | 2427 | G | TSUSENA CK. PROSPECT | 8.01 | 10.5 | 0.32 | 45 | -99 | NA | NA | NA | 850 | 2.0 | -99 | 2.81 | -99 | 13 | 125 | 14 | 4.27 | 20 |
| 184 | 2428 | G | TSUSENA CK. PROSPECT | 6.63 | 6.0 | NA | 25 | -99 | NA | NA | NA | 510 | 1.5 | -99 | 0.93 | -99 | -99 | 88 | 28 | 2.59 | 10 |
| 184 | 2429 | S | TSUSENA CK. PROSPECT | 6.31 | 42.0 | NA | 65 | -99 | NA | NA | NA | 950 | 3.0 | -99 | 0.16 | 40.5 | 2 | 59 | 1990 | 3.49 | 10 |
| 184 | 2430 | S | TSUSENA CK. PROSPECT | 4.01 | 96.0 | 2.85 | 99999 | -99 | NA | NA | NA | 360 | 2.5 | -99 | 2.11 | 11 | 7 | 93 | 2146 | 2.57 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 172 | 1911 | RC | Wickersham Creek | -99 | 1.61 | 10 | 2.31 | 750 | 1 | 34 | 790 | 4 | NA | NA | -99 | NA | 0.60 | -99 | -99 | 198 | -99 | 70 |
| 172 | 1912 | RC | Wickersham Creek | 3 | 1.40 | 10 | 2.28 | 858 | -99 | 23 | 710 | 2 | NA | NA | -99 | NA | 0.63 | -99 | -99 | 201 | 10 | 137 |
| 173 | 1909 | P | NAY NADELI | -99 | 0.78 | 20 | 2.71 | 3249 | -99 | 38 | 710 | 10 | -99 | -99 | 5 | NA | 3.28 | 10 | -99 | 242 | 50 | 125 |
| 174 | 1784 | RC | Gold Creek | 1 | 0.31 | 10 | 0.47 | 311 | 1 | 6 | 410 | 6 | NA | NA | -99 | NA | 0.17 | -99 | -99 | 48 | -99 | 17 |
| 174 | 2018 | CC | Gold Creek | -99 | 1.09 | -99 | 1.39 | 242 | -99 | 14 | 470 | 2 | NA | NA | -99 | NA | 0.78 | -99 | -99 | 132 | -99 | 11 |
| 175 | 2019 | CC | Gold Creek | -99 | 2.01 | -99 | 1.09 | 670 | -99 | 2 | 1100 | 2 | NA | NA | -99 | NA | 0.42 | -99 | -99 | 137 | 20 | 32 |
| 176 | 1770 | RC | BUTTE CREEK SW | -99 | 0.33 | 20 | 1.60 | 1113 | 1 | 5 | 1890 | 2 | NA | NA | -99 | NA | 0.64 | -99 | -99 | 126 | -99 | 71 |
| 176 | 2009 | CC | BUTTE CREEK SW | -99 | 1.76 | -99 | 0.71 | 264 | 1 | 11 | 280 | 12 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 149 | -99 | 64 |
| 177 | 1766 | RC | Watana River | -99 | 0.25 | 10 | 0.40 | 448 | 1 | 7 | 400 | 2 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 82 | -99 | 55 |
| 177 | 1767 | RC | Watana River | 1 | 1.44 | -99 | 0.40 | 420 | 3 | 3 | 250 | 2 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 39 | -99 | 26 |
| 178 | 2007 | CC | Watana River | -99 | 1.16 | -99 | 0.52 | 369 | 23 | 56 | 340 | 10 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 180 | -99 | 60 |
| 178 | 2008 | S | Watana River | -99 | 1.27 | -99 | 0.91 | 600 | 1 | 28 | 280 | 4 | NA | NA | -99 | NA | 0.28 | -99 | -99 | 149 | -99 | 112 |
| 179 | 1768 | RC | Watana River | -99 | 1.01 | -99 | 0.71 | 487 | 3 | 8 | 490 | -99 | NA | NA | -99 | NA | 0.32 | -99 | -99 | 112 | -99 | 54 |
| 179 | 1769 | RC | Watana River | -99 | 0.83 | 10 | 0.45 | 406 | -99 | 6 | 450 | 4 | NA | NA | -99 | NA | 0.23 | -99 | -99 | 114 | -99 | 63 |
| 180 | 1765 | P | BIG LAKE | -99 | 1.01 | 70 | 1.40 | 4422 | -99 | 11 | 580 | 4 | -99 | -99 | -99 | NA | 2.64 | -99 | -99 | 138 | 30 | 98 |
| 181 | 1997 | G | TSUSENA CK. PROSPECT | -99 | 0.56 | -99 | 2.39 | 1183 | -99 | 36 | 630 | 2 | NA | NA | -99 | NA | 0.84 | -99 | -99 | 284 | 30 | 185 |
| 182 | 1996 | G | TSUSENA CK. PROSPECT | -99 | 0.80 | 10 | 2.84 | 1506 | 1 | 22 | 1980 | 18 | NA | NA | -99 | NA | 1.09 | -99 | -99 | 133 | 40 | 377 |
| 183 | 1993 | G | TSUSENA CK. PROSPECT | -99 | 2.90 | 20 | 0.28 | 211 | 3 | 3 | 660 | 352 | NA | NA | -99 | NA | 0.36 | -99 | -99 | 60 | 20 | 727 |
| 183 | 1994 | G | TSUSENA CK. PROSPECT | -99 | 0.90 | 10 | 0.62 | 1597 | -99 | 7 | 600 | 106 | NA | NA | -99 | NA | 0.23 | -99 | -99 | 47 | 140 | 5.45% |
| 183 | 1995 | G | TSUSENA CK. PROSPECT | -99 | 1.92 | 20 | 1.75 | 684 | -99 | 54 | 910 | 18 | NA | NA | -99 | NA | 0.43 | -99 | -99 | 186 | -99 | 806 |
| 184 | 1636 | S | TSUSENA CK. PROSPECT | -99 | 0.82 | 20 | 1.07 | 404 | 4 | 3 | 940 | 2 | NA | NA | -99 | NA | 0.30 | -99 | -99 | 79 | 10 | 31 |
| 184 | 2427 | G | TSUSENA CK. PROSPECT | -99 | 1.59 | 20 | 1.07 | 778 | -99 | 8 | 930 | 8 | NA | NA | 10 | NA | 0.48 | -99 | -99 | 101 | 10 | 90 |
| 184 | 2428 | G | TSUSENA CK. PROSPECT | -99 | 2.86 | 20 | 0.18 | 305 | 2 | 1 | 260 | 26 | NA | NA | 10 | NA | 0.21 | -99 | -99 | 13 | 10 | 27 |
| 184 | 2429 | S | TSUSENA CK. PROSPECT | -99 | 2.59 | 10 | 0.24 | 528 | 4 | -99 | 360 | 550 | NA | NA | -99 | NA | 0.19 | -99 | -99 | 14 | 10 | 2664 |
| 184 | 2430 | S | TSUSENA CK. PROSPECT | -99 | 1.90 | 10 | 0.14 | 95 | -99 | 2 | 240 | 392 | NA | NA | 40 | NA | 0.16 | -99 | -99 | 9 | 50 | 2263 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 184 | 2431 | S | TSUSENA CK. PROSPECT | 4.54 | 26.0 | NA | 205 | -99 | NA | NA | NA | 300 | 2.5 | -99 | 0.05 | -99 | -99 | 74 | 100 | 4.68 | 10 |
| 185 | 2432 | S | TSUSENA CK. PROSPECT | 2.33 | 104.0 | NA | 6700 | -99 | NA | NA | NA | 140 | 3.0 | 4 | 0.04 | 76.5 | 4 | 147 | 749 | 10.38 | 10 |
| 185 | 2433 | S | TSUSENA CK. PROSPECT | 5.47 | 42.0 | NA | 1960 | -99 | NA | NA | NA | 490 | -99 | 2 | 0.09 | 36.5 | -99 | 120 | 256 | 4.57 | -99 |
| 185 | 2434 | S | TSUSENA CK. PROSPECT | 4.48 | 124.0 | NA | 9625 | 15 | NA | NA | NA | 310 | -99 | 14 | 0.03 | -99 | -99 | 66 | 313 | 11.54 | 20 |
| 185 | 2435 | S | TSUSENA CK. PROSPECT | 5.93 | 12.5 | NA | 99999 | -99 | NA | NA | NA | 430 | -99 | 204 | 0.31 | -99 | 6 | 79 | 21 | 6.30 | 20 |
| 185 | 2436 | S | TSUSENA CK. PROSPECT | 6.19 | 10.5 | NA | 99999 | -99 | NA | NA | NA | 380 | -99 | 56 | 0.37 | 1.5 | 2 | 58 | 22 | 5.75 | 10 |
| 185 | 2437 | S | TSUSENA CK. PROSPECT | 4.84 | 102.0 | NA | 99999 | 20 | NA | NA | NA | 300 | -99 | 18 | 0.21 | 145 | 9 | 77 | 2086 | 8.05 | 20 |
| 186 | 2438 | CH | TSUSENA CK. PROSPECT | 5.92 | 21.0 | NA | 7850 | 15 | NA | NA | NA | 1320 | -99 | 44 | 0.12 | -99 | 23 | 93 | 1209 | 2.10 | 10 |
| 186 | 2439 | SC | TSUSENA CK. PROSPECT | 6.59 | 34.5 | NA | 6710 | -99 | NA | NA | NA | 1210 | -99 | 72 | 0.08 | -99 | 29 | 125 | 1493 | 2.77 | 10 |
| 186 | 2440 | SC | TSUSENA CK. PROSPECT | 6.84 | 11.5 | NA | 1185 | -99 | NA | NA | NA | 1510 | -99 | -99 | 0.08 | -99 | -99 | 81 | 904 | 1.67 | 10 |
| 186 | 2441 | SC | TSUSENA CK. PROSPECT | 6.47 | 5.0 | NA | 950 | -99 | NA | NA | NA | 1450 | -99 | -99 | 0.43 | -99 | 2 | 83 | 472 | 1.82 | 10 |
| 186 | 2442 | SC | TSUSENA CK. PROSPECT | 6.94 | 1.5 | NA | 145 | -99 | NA | NA | NA | 1440 | -99 | -99 | 0.13 | -99 | -99 | 110 | 91 | 2.77 | 20 |
| 186 | 2444 | G | TSUSENA CK. PROSPECT | 7.22 | 10.0 | NA | 40 | -99 | NA | NA | NA | 820 | 1.0 | -99 | 0.35 | -99 | 3 | 105 | 289 | 4.45 | 20 |
| 186 | 2445 | SC | TSUSENA CK. PROSPECT | 7.32 | 152.0 | NA | 2275 | -99 | NA | NA | NA | 1020 | -99 | 44 | 0.75 | -99 | 5 | 136 | 7073 | 5.55 | 20 |
| 186 | 2446 | SC | TSUSENA CK. PROSPECT | 6.88 | 124.0 | NA | 200 | -99 | NA | NA | NA | 1010 | -99 | 12 | 0.23 | -99 | 2 | 79 | 6593 | 4.17 | 20 |
| 186 | 2447 | G | TSUSENA CK. PROSPECT | 6.09 | 3.0 | NA | 155 | -99 | NA | NA | NA | 1150 | 0.5 | -99 | 0.04 | -99 | -99 | 66 | 323 | 1.33 | -99 |
| 187 | 1998 | CR | TSUSENA CK. PROSPECT | 6.70 | 1.5 | NA | 50 | -99 | NA | NA | NA | 1140 | 2.5 | -99 | 0.15 | -99 | 2 | 90 | 425 | 1.81 | 10 |
| 187 | 1999 | CR | TSUSENA CK. PROSPECT | 6.00 | 56.0 | NA | 235 | -99 | NA | NA | NA | 890 | 1.0 | 12 | 0.09 | -99 | -99 | 108 | 0.54% | 2.50 | -99 |
| 188 | 2153 | RC | TSUSENA CK. PROSPECT | 9.14 | -99 | NA | 5 | -99 | NA | NA | NA | 1320 | 1.5 | -99 | 4.50 | -99 | 24 | 48 | 7 | 5.82 | 30 |
| 189 | 2154 | RC | TSUSENA CK. PROSPECT | 5.74 | 2.0 | NA | 85 | -99 | NA | NA | NA | 1700 | 1.5 | -99 | 0.10 | 2 | 1 | 54 | 2 | 1.44 | -99 |
| 189 | 2155 | RC | TSUSENA CK. PROSPECT | 6.89 | 5.0 | NA | -99 | -99 | NA | NA | NA | 2380 | 2.0 | -99 | 0.11 | 3.5 | 1 | 38 | 255 | 3.48 | 10 |
| 190 | 2152 | RC | TSUSENA CK. PROSPECT | 6.96 | -99 | NA | 10 | -99 | NA | NA | NA | 1280 | 1.0 | -99 | 0.44 | -99 | 17 | 288 | 26 | 3.52 | 10 |
| 191 | 2150 | RC | TSUSENA CK. PROSPECT | 7.41 | -99 | NA | 5 | -99 | NA | NA | NA | 2030 | 2.0 | -99 | 1.03 | -99 | 5 | 64 | 1 | 3.25 | 20 |
| 191 | 2151 | RC | TSUSENA CK. PROSPECT | 7.54 | -99 | NA | 10 | -99 | NA | NA | NA | 2110 | 1.5 | -99 | 1.02 | -99 | 1 | 92 | -99 | 2.08 | 10 |
| 192 | 2147 | RC | TSUSENA CK. PROSPECT | 6.98 | -99 | NA | 5 | -99 | NA | NA | NA | 1750 | 1.5 | -99 | 0.94 | -99 | 3 | 63 | 1 | 2.47 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 184 | 2431 | S | TSUSENA CK. PROSPECT | -99 | 1.95 | 10 | 0.16 | 123 | 6 | -99 | 130 | 700 | NA | NA | 35 | NA | 0.08 | -99 | -99 | 6 | 20 | 324 |
| 185 | 2432 | S | TSUSENA CK. PROSPECT | -99 | 1.07 | -99 | 0.09 | 187 | -99 | -99 | 210 | 99999 | NA | NA | 65 | NA | 0.05 | 50 | 30 | 10 | 130 | 9517 |
| 185 | 2433 | S | TSUSENA CK. PROSPECT | -99 | 2.62 | 10 | 0.21 | 149 | 3 | 1 | 260 | 3000 | NA | NA | 30 | NA | 0.17 | -99 | -99 | 27 | 40 | 3321 |
| 185 | 2434 | S | TSUSENA CK. PROSPECT | -99 | 2.15 | 20 | 0.18 | 90 | 5 | -99 | 520 | 2800 | NA | NA | 90 | NA | 0.13 | 40 | 20 | 20 | 70 | 563 |
| 185 | 2435 | S | TSUSENA CK. PROSPECT | -99 | 2.25 | 10 | 0.49 | 614 | 8 | -99 | 610 | 200 | NA | NA | 10 | NA | 0.27 | 20 | -99 | 41 | 1030 | 396 |
| 185 | 2436 | S | TSUSENA CK. PROSPECT | -99 | 2.72 | 10 | 0.31 | 314 | 11 | 3 | 550 | 172 | NA | NA | 10 | NA | 0.27 | 10 | -99 | 26 | 390 | 408 |
| 185 | 2437 | S | TSUSENA CK. PROSPECT | -99 | 2.00 | 10 | 0.41 | 968 | 2 | -99 | 810 | 4800 | NA | NA | 150 | NA | 0.31 | 20 | -99 | 71 | 260 | 1.49% |
| 186 | 2438 | CH | TSUSENA CK. PROSPECT | -99 | 4.53 | 20 | 0.18 | 118 | 3 | 1 | 210 | 56 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 7 | 20 | 81 |
| 186 | 2439 | SC | TSUSENA CK. PROSPECT | -99 | 5.25 | 20 | 0.24 | 106 | 6 | 3 | 360 | 26 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 19 | 30 | 65 |
| 186 | 2440 | SC | TSUSENA CK. PROSPECT | -99 | 4.90 | 30 | 0.08 | 102 | -99 | 1 | 60 | 14 | NA | NA | -99 | NA | 0.09 | -99 | -99 | -99 | -99 | 40 |
| 186 | 2441 | SC | TSUSENA CK. PROSPECT | -99 | 4.59 | 20 | 0.08 | 117 | 6 | 2 | 60 | 18 | NA | NA | 5 | NA | 0.07 | -99 | -99 | -99 | 10 | 50 |
| 186 | 2442 | SC | TSUSENA CK. PROSPECT | -99 | 4.78 | 30 | 0.26 | 195 | 2 | 3 | 380 | 10 | NA | NA | -99 | NA | 0.22 | -99 | -99 | 18 | 10 | 69 |
| 186 | 2444 | G | TSUSENA CK. PROSPECT | -99 | 2.42 | 30 | 0.89 | 257 | 1 | 10 | 930 | 10 | NA | NA | -99 | NA | 0.46 | -99 | -99 | 56 | 20 | 148 |
| 186 | 2445 | SC | TSUSENA CK. PROSPECT | -99 | 6.35 | 20 | 0.89 | 413 | 6 | 5 | 1140 | 34 | NA | NA | -99 | NA | 0.54 | -99 | -99 | 60 | 80 | 149 |
| 186 | 2446 | SC | TSUSENA CK. PROSPECT | -99 | 4.38 | 20 | 0.53 | 278 | -99 | 1 | 460 | 18 | NA | NA | -99 | NA | 0.27 | 10 | -99 | 32 | 50 | 119 |
| 186 | 2447 | G | TSUSENA CK. PROSPECT | -99 | 5.30 | 30 | 0.05 | 38 | 9 | 1 | 50 | 14 | NA | NA | 10 | NA | 0.08 | -99 | -99 | -99 | 10 | 27 |
| 187 | 1998 | CR | TSUSENA CK. PROSPECT | -99 | 4.09 | 40 | 0.06 | 191 | 2 | 1 | 60 | 14 | NA | NA | -99 | NA | 0.08 | -99 | -99 | -99 | 10 | 122 |
| 187 | 1999 | CR | TSUSENA CK. PROSPECT | -99 | 3.23 | 20 | 0.08 | 207 | 3 | 2 | 20 | 10 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | 20 | 105 |
| 188 | 2153 | RC | TSUSENA CK. PROSPECT | -99 | 0.53 | 20 | 1.89 | 1163 | -99 | 3 | 1630 | 10 | NA | NA | -99 | NA | 1.11 | -99 | -99 | 126 | -99 | 112 |
| 189 | 2154 | RC | TSUSENA CK. PROSPECT | -99 | 4.34 | 20 | 0.08 | 67 | 4 | -99 | 50 | 18 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 233 |
| 189 | 2155 | RC | TSUSENA CK. PROSPECT | -99 | 3.81 | 40 | 0.10 | 403 | -99 | 1 | 140 | 460 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 4 | -99 | 537 |
| 190 | 2152 | RC | TSUSENA CK. PROSPECT | -99 | 1.75 | 20 | 1.49 | 372 | -99 | 54 | 690 | 10 | NA | NA | -99 | NA | 0.37 | -99 | -99 | 140 | -99 | 97 |
| 191 | 2150 | RC | TSUSENA CK. PROSPECT | -99 | 2.72 | 40 | 0.34 | 699 | -99 | 3 | 450 | 16 | NA | NA | -99 | NA | 0.29 | -99 | -99 | 23 | -99 | 113 |
| 191 | 2151 | RC | TSUSENA CK. PROSPECT | -99 | 2.72 | 30 | 0.10 | 490 | -99 | 2 | 200 | 12 | NA | NA | -99 | NA | 0.14 | -99 | -99 | -99 | -99 | 94 |
| 192 | 2147 | RC | TSUSENA CK. PROSPECT | -99 | 2.33 | 40 | 0.22 | 536 | -99 | 3 | 250 | 20 | NA | NA | -99 | NA | 0.21 | -99 | -99 | 13 | -99 | 103 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 192 | 2149 | RC | TSUSENA CK. PROSPECT | 6.31 | -99 | NA | 15 | -99 | NA | NA | NA | 640 | 2.0 | -99 | 0.09 | -99 | -99 | 70 | 6 | 0.73 | 10 |
| 193 | 2326 | G | TSUSENA CK. PROSPECT | 5.90 | 1.0 | NA | 55 | 10 | NA | NA | NA | 2010 | 1.0 | -99 | 0.13 | -99 | -99 | 94 | 8 | 1.21 | -99 |
| 194 | 2338 | RC | TSUSENA CK. PROSPECT | 6.26 | 1.0 | NA | 25 | -99 | NA | NA | NA | 2260 | 0.5 | -99 | 0.07 | -99 | -99 | 91 | 14 | 0.80 | -99 |
| 194 | 2339 | CR | TSUSENA CK. PROSPECT | 6.36 | 0.5 | NA | 10 | -99 | NA | NA | NA | 970 | 1.5 | -99 | 0.22 | -99 | 2 | 88 | 6 | 0.94 | -99 |
| 195 | 2330 | CC | TSUSENA CK. PROSPECT | 3.68 | 99999 | 26.5 | 2255 | 140 | NA | NA | NA | 400 | 2.5 | -99 | 0.05 | 15.5 | -99 | 106 | 1525 | 5.03 | 30 |
| 195 | 2331 | CC | TSUSENA CK. PROSPECT | 4.92 | 19.0 | NA | 125 | -99 | NA | NA | NA | 520 | 2.0 | -99 | 0.07 | 8 | -99 | 112 | 300 | 2.61 | -99 |
| 195 | 2332 | CC | TSUSENA CK. PROSPECT | 6.65 | 4.0 | NA | 10 | -99 | NA | NA | NA | 2210 | 2.0 | -99 | 0.11 | 6 | -99 | 88 | 171 | 2.33 | 10 |
| 195 | 2333 | CR | TSUSENA CK. PROSPECT | 4.27 | 25.0 | NA | 1265 | -99 | NA | NA | NA | 490 | 2.0 | -99 | 0.02 | 4 | -99 | 70 | 140 | 1.56 | 10 |
| 195 | 2334 | S | TSUSENA CK. PROSPECT | 6.13 | 4.5 | NA | 215 | 30 | NA | NA | NA | 370 | 1.0 | -99 | 3.03 | 2 | -99 | 23 | 62 | 1.16 | -99 |
| 195 | 2335 | S | TSUSENA CK. PROSPECT | 5.32 | 304.0 | NA | 3340 | -99 | NA | NA | NA | 1330 | 2.5 | -99 | 0.11 | -99 | 1 | 57 | 182 | 2.51 | 10 |
| 195 | 2336 | CR | TSUSENA CK. PROSPECT | 5.98 | 10.5 | NA | 80 | -99 | NA | NA | NA | 1510 | 1.5 | -99 | 0.06 | 2 | -99 | 65 | 108 | 2.27 | -99 |
| 195 | 2443 | SC | TSUSENA CK. PROSPECT | 7.16 | 48.0 | NA | 99999 | -99 | NA | NA | NA | 1650 | 0.5 | 24 | 0.15 | -99 | 2 | 81 | 973 | 3.51 | 20 |
| 196 | 2337 | CR | TSUSENA CK. PROSPECT | 6.62 | 8.0 | NA | 30 | -99 | NA | NA | NA | 1380 | 1.5 | -99 | 0.14 | -99 | 1 | 64 | 13 | 1.58 | -99 |
| 197 | 2266 | S | E. Fk. Chulitna R. | 9.83 | 9.5 | NA | 55 | -99 | NA | NA | NA | 650 | 6.0 | -99 | 0.25 | 4.5 | 9 | 52 | 3818 | 7.10 | 20 |
| 197 | 2267 | RC | E. Fk. Chulitna R. | 6.85 | 5.5 | NA | 20 | 5 | NA | NA | NA | 470 | 1.5 | 44 | 0.86 | 0.5 | 4 | 82 | 1548 | 1.13 | -99 |
| 198 | 2268 | S | E. Fk. Chulitna R. | 8.58 | 13.5 | NA | 30 | -99 | NA | NA | NA | 840 | 4.5 | -99 | 0.16 | -99 | 5 | 96 | 4780 | 3.41 | 10 |
| 199 | 2296 | RC | E. Fk. Chulitna R. | 6.76 | 3.0 | NA | 30 | -99 | NA | NA | NA | 550 | 1.5 | 4 | 0.10 | 0.5 | 5 | 203 | 125 | 1.63 | -99 |
| 200 | 2297 | RC | E. Fk. Chulitna R. | 6.84 | 1.0 | NA | 10 | -99 | NA | NA | NA | 590 | 2.0 | 2 | 0.12 | -99 | 5 | 74 | 18 | 0.96 | -99 |
| 200 | 2298 | CC | E. Fk. Chulitna R. | 5.06 | 1.0 | NA | 10 | -99 | NA | NA | NA | 370 | 4.0 | -99 | 0.23 | 0.5 | 6 | 49 | 21 | 1.14 | -99 |
| 200 | 2299 | RC | E. Fk. Chulitna R. | 5.39 | 1.0 | NA | 10 | 5 | NA | NA | NA | 360 | 3.5 | -99 | 2.87 | -99 | 5 | 88 | 9 | 2.11 | 10 |
| 200 | 2300 | RC | E. Fk. Chulitna R. | 6.54 | 1.0 | NA | 5 | -99 | NA | NA | NA | 580 | 1.5 | 2 | 0.14 | -99 | 4 | 69 | 5 | 1.54 | -99 |
| 201 | 2401 | P | E. Fk. Chulitna R. | 6.37 | 1.5 | NA | 10 | NA | NA | -99 | 4 | 800 | 2.5 | 2 | 0.86 | 1 | 3 | 86 | 92 | 2.98 | 10 |
| 202 | 2402 | RC | E. Fk. Chulitna R. | 9.00 | 17.5 | NA | 10 | -99 | NA | NA | NA | 860 | 4.0 | -99 | 0.13 | 122 | 4 | 44 | 3891 | 3.78 | -99 |
| 202 | 2403 | P | E. Fk. Chulitna R. | 6.63 | 1.0 | NA | -99 | NA | NA | -99 | 40 | 730 | 3.0 | -99 | 1.48 | 0.5 | 1 | 86 | 113 | 3.88 | 30 |
| 204 | 2404 | P | E. Fk. Chulitna R. | 6.11 | -99 | NA | 10 | NA | NA | 0.001 | 4 | 700 | 2.0 | -99 | 0.27 | -99 | 3 | 91 | 10 | 1.73 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 192 | 2149 | RC | TSUSENA CK. PROSPECT | -99 | 2.64 | 30 | 0.01 | 46 | 1 | 1 | -99 | 20 | NA | NA | -99 | NA | 0.03 | -99 | -99 | -99 | -99 | 67 |
| 193 | 2326 | G | TSUSENA CK. PROSPECT | 2 | 3.42 | 60 | 0.04 | 219 | -99 | 2 | 10 | 76 | NA | NA | 5 | NA | 0.07 | -99 | -99 | -99 | -99 | 40 |
| 194 | 2338 | RC | TSUSENA CK. PROSPECT | 3 | 3.96 | 20 | 0.03 | 77 | 3 | 2 | -99 | 22 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 37 |
| 194 | 2339 | CR | TSUSENA CK. PROSPECT | 1 | 3.45 | 10 | 0.05 | 157 | 2 | -99 | 50 | 20 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | 10 | 60 |
| 195 | 2330 | CC | TSUSENA CK. PROSPECT | -99 | 1.53 | -99 | 0.07 | 193 | 15 | 2 | 60 | 1.21% | NA | NA | 340 | NA | 0.04 | 10 | 10 | 3 | NA | 0.28% |
| 195 | 2331 | CC | TSUSENA CK. PROSPECT | -99 | 2.21 | -99 | 0.09 | 643 | 9 | 2 | 70 | 1440 | NA | NA | 25 | NA | 0.10 | -99 | -99 | 1 | -99 | 1106 |
| 195 | 2332 | CC | TSUSENA CK. PROSPECT | -99 | 4.11 | 40 | 0.10 | 927 | -99 | 1 | 100 | 136 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 1 | -99 | 1220 |
| 195 | 2333 | CR | TSUSENA CK. PROSPECT | -99 | 1.84 | 10 | 0.06 | 125 | 10 | -99 | 30 | 380 | NA | NA | 35 | NA | 0.08 | 10 | -99 | 1 | -99 | 602 |
| 195 | 2334 | S | TSUSENA CK. PROSPECT | -99 | 0.73 | -99 | 0.03 | 147 | 1 | -99 | -99 | 46 | NA | NA | -99 | NA | 0.03 | 10 | -99 | -99 | -99 | 257 |
| 195 | 2335 | S | TSUSENA CK. PROSPECT | -99 | 3.23 | 10 | 0.07 | 567 | 4 | 1 | 60 | 3800 | NA | NA | 105 | NA | 0.12 | 20 | -99 | 2 | NA | 165 |
| 195 | 2336 | CR | TSUSENA CK. PROSPECT | -99 | 3.45 | 10 | 0.08 | 553 | 2 | 2 | 100 | 326 | NA | NA | 5 | NA | 0.13 | -99 | -99 | 2 | -99 | 436 |
| 195 | 2443 | SC | TSUSENA CK. PROSPECT | -99 | 5.11 | 20 | 0.32 | 257 | 2 | 6 | 490 | 12 | NA | NA | 5 | NA | 0.26 | -99 | -99 | 25 | 30 | 87 |
| 196 | 2337 | CR | TSUSENA CK. PROSPECT | -99 | 2.65 | 30 | 0.07 | 105 | 2 | 1 | 110 | 92 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 2 | 10 | 115 |
| 197 | 2266 | S | E. Fk. Chulitna R. | -99 | 3.39 | 30 | 0.16 | 473 | 25 | -99 | 50 | 8 | NA | NA | -99 | NA | 0.09 | -99 | -99 | 4 | -99 | 819 |
| 197 | 2267 | RC | E. Fk. Chulitna R. | -99 | 4.58 | 20 | 0.10 | 106 | 2 | 2 | 60 | 14 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | 10 | 124 |
| 198 | 2268 | S | E. Fk. Chulitna R. | -99 | 4.90 | 10 | 0.07 | 159 | 2 | 1 | -99 | 6 | NA | NA | -99 | NA | 0.06 | -99 | -99 | -99 | -99 | 192 |
| 199 | 2296 | RC | E. Fk. Chulitna R. | -99 | 3.56 | -99 | 0.13 | 89 | 2 | 7 | 100 | 4 | NA | NA | -99 | NA | 0.11 | -99 | -99 | 8 | -99 | 24 |
| 200 | 2297 | RC | E. Fk. Chulitna R. | -99 | 3.30 | 10 | 0.05 | 107 | -99 | 2 | 100 | 8 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 35 |
| 200 | 2298 | CC | E. Fk. Chulitna R. | -99 | 2.28 | 20 | 0.12 | 697 | 2 | 2 | 60 | 16 | NA | NA | -99 | NA | 0.05 | -99 | -99 | 3 | -99 | 172 |
| 200 | 2299 | RC | E. Fk. Chulitna R. | -99 | 2.55 | 50 | 0.12 | 1683 | 1 | 2 | 90 | 4 | NA | NA | 5 | NA | 0.05 | -99 | -99 | -99 | -99 | 61 |
| 200 | 2300 | RC | E. Fk. Chulitna R. | -99 | 3.39 | -99 | 0.04 | 185 | 1 | -99 | 90 | 12 | NA | NA | -99 | NA | 0.06 | -99 | -99 | -99 | -99 | 23 |
| 201 | 2401 | P | E. Fk. Chulitna R. | -99 | 2.42 | 140 | 0.40 | 555 | 3 | 5 | 400 | 34 | -99 | -99 | -99 | NA | 0.46 | -99 | -99 | 35 | -99 | 180 |
| 202 | 2402 | RC | E. Fk. Chulitna R. | 1 | 3.26 | 20 | 0.10 | 454 | 2 | 1 | -99 | 2 | NA | NA | -99 | NA | 0.08 | -99 | -99 | -99 | 60 | 8911 |
| 202 | 2403 | P | E. Fk. Chulitna R. | -99 | 2.03 | 250 | 0.61 | 1350 | 2 | 4 | 690 | 24 | -99 | -99 | -99 | NA | 1.97 | -99 | -99 | 59 | 20 | 190 |
| 204 | 2404 | P | E. Fk. Chulitna R. | -99 | 2.54 | 50 | 0.37 | 542 | -99 | 10 | 260 | 16 | -99 | -99 | -99 | NA | 0.19 | -99 | -99 | 37 | -99 | 77 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 2133 | RC | Honolulu Creek | 5.66 | 8.0 | NA | 765 | 60 | NA | NA | NA | 1170 | 1.5 | -99 | 0.03 | 2 | 3 | 99 | 27 | 1.44 | -99 |
| 205 | 2265 | G | Honolulu Creek | 7.10 | 0.5 | NA | 100 | -99 | NA | NA | NA | 1830 | 1.0 | 4 | 0.16 | -99 | 4 | 73 | 2 | 1.71 | -99 |
| 206 | 1970 | G | Honolulu Creek | 6.10 | 0.5 | NA | 5 | -99 | NA | NA | NA | 240 | 5.5 | 2 | 0.06 | -99 | 3 | 76 | 2 | 0.58 | -99 |
| 207 | 1969 | P | Honolulu Creek | 6.51 | -99 | NA | 45 | NA | NA | -99 | 180 | 950 | 1.0 | -99 | 0.81 | -99 | 9 | 176 | 43 | 4.20 | -99 |
| 208 | 1979 | P | Honolulu Creek | 6.65 | 0.5 | NA | 120 | NA | NA | -99 | 500 | 570 | 1.5 | -99 | 1.15 | 0.5 | 10 | 147 | 44 | 5.06 | -99 |
| 209 | 2308 | P | Honolulu Creek | 5.95 | 1.0 | NA | 60 | NA | NA | -99 | 99999 | 1150 | 1.0 | -99 | 0.98 | -99 | 9 | 263 | 108 | 7.44 | 10 |
| 210 | 2309 | CR | Honolulu Creek | 0.59 | -99 | NA | -99 | -99 | NA | NA | NA | 270 | -99 | -99 | 1.80 | 0.5 | 2 | 119 | 9 | 0.53 | -99 |
| 211 | 2310 | P | Honolulu Creek | 6.79 | 0.5 | NA | 80 | NA | NA | 0.001 | 8600 | 1210 | 1.0 | -99 | 0.78 | 0.5 | 16 | 156 | 88 | 5.99 | 10 |
| 212 | 2274 | P | Honolulu Creek Trib. | 7.07 | -99 | NA | 60 | NA | NA | -99 | 6 | 760 | 1.5 | 2 | 0.51 | -99 | 11 | 176 | 40 | 3.51 | 20 |
| 213 | 2273 | P | Honolulu Creek | 6.44 | 0.5 | NA | 425 | NA | NA | -99 | 2400 | 1240 | 1.0 | 2 | 1.11 | -99 | 15 | 162 | 64 | 5.42 | 10 |
| 214 | 2122 | RC | Honolulu Creek Trib. | 6.14 | 3.5 | NA | 5 | 15 | NA | NA | NA | 330 | 1.5 | 2 | 0.27 | -99 | 4 | 134 | 58 | 0.76 | -99 |
| 214 | 2254 | G | Honolulu Creek Trib. | 5.39 | 1.0 | NA | -99 | -99 | NA | NA | NA | 220 | 1.5 | 2 | 0.07 | -99 | 4 | 122 | 56 | 1.10 | -99 |
| 214 | 2255 | CH | Honolulu Creek Trib. | 7.45 | 2.5 | NA | -99 | 10 | NA | NA | NA | 850 | 1.0 | -99 | 0.07 | -99 | 6 | 143 | 41 | 3.12 | -99 |
| 214 | 2256 | G | Honolulu Creek Trib. | 5.07 | 15.0 | NA | -99 | -99 | NA | NA | NA | 410 | 0.5 | 8 | 0.04 | -99 | 4 | 212 | 2 | 0.31 | -99 |
| 214 | 2257 | G | Honolulu Creek Trib. | 5.26 | 2.0 | NA | 5 | 10 | NA | NA | NA | 390 | 1.0 | 4 | 0.03 | -99 | 4 | 311 | 34 | 0.90 | -99 |
| 214 | 2258 | G | Honolulu Creek Trib. | 4.75 | 10.0 | NA | 30 | 40 | NA | NA | NA | 310 | 0.5 | 16 | 1.63 | 2 | 4 | 94 | 37 | 1.32 | -99 |
| 215 | 2121 | RC | Honolulu Creek Trib. | 3.33 | 3.4 | NA | 75 | 10 | NA | NA | NA | 420 | 1.0 | 28 | 0.16 | 2 | 19 | 221 | 198 | 2.01 | -99 |
| 215 | 2253 | G | Honolulu Creek Trib. | 7.59 | 1.0 | NA | -99 | -99 | NA | NA | NA | 1100 | 2.5 | -99 | 0.44 | -99 | 5 | 112 | 11 | 1.68 | -99 |
| 216 | 2127 | RC | Honolulu Creek Trib. | 7.69 | 1.0 | NA | 20 | -99 | NA | NA | NA | 1330 | 2.5 | 2 | 0.39 | -99 | 13 | 229 | 96 | 6.39 | 10 |
| 216 | 2128 | RC | Honolulu Creek Trib. | 5.31 | 8.0 | NA | 135 | NA | 0.036 | NA | NA | 140 | 2.0 | 42 | 2.24 | 4 | 125 | 112 | 4877 | 14.76 | -99 |
| 217 | 2123 | RC | Honolulu Creek Trib. | 4.89 | 1.0 | NA | 10 | -99 | NA | NA | NA | 80 | 1.0 | -99 | 0.12 | -99 | 5 | 182 | 3 | 1.01 | -99 |
| 217 | 2124 | RC | Honolulu Creek Trib. | 6.43 | 0.5 | NA | -99 | -99 | NA | NA | NA | 80 | 2.0 | 2 | 0.24 | -99 | 3 | 71 | -99 | 0.58 | 10 |
| 217 | 2125 | RC | Honolulu Creek Trib. | -99 | 83.5 | NA | 99999 | NA | 0.050 | NA | NA | 10 | -99 | 794 | 0.03 | -99 | 36 | 40 | 0.87% | 99999 | -99 |
| 217 | 2126 | RC | Honolulu Creek Trib. | 6.74 | 0.5 | NA | 30 | -99 | NA | NA | NA | 1100 | 4.0 | -99 | 0.17 | -99 | 3 | 110 | 39 | 0.82 | -99 |
| 218 | 2262 | S | Honolulu Creek Trib. | 0.67 | 12.5 | NA | 99999 | 330 | NA | NA | NA | 120 | -99 | 872 | 0.47 | 1 | 176 | 61 | 1743 | 20.78 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 205 | 2133 | RC | Honolulu Creek | -99 | 3.00 | -99 | 0.08 | 136 | -99 | 1 | 60 | 540 | NA | NA | 20 | NA | 0.06 | -99 | -99 | 1 | -99 | 337 |
| 205 | 2265 | G | Honolulu Creek | -99 | 3.29 | -99 | 0.08 | 158 | 3 | 1 | 60 | 4 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 45 |
| 206 | 1970 | G | Honolulu Creek | -99 | 3.50 | -99 | 0.01 | 145 | 3 | 6 | 40 | 36 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 2 |
| 207 | 1969 | P | Honolulu Creek | -99 | 1.85 | 30 | 1.27 | 845 | -99 | 51 | 690 | 10 | -99 | -99 | -99 | NA | 0.54 | 20 | -99 | 129 | 70 | 151 |
| 208 | 1979 | P | Honolulu Creek | -99 | 1.79 | 10 | 1.42 | 1305 | 2 | 52 | 780 | 16 | -99 | -99 | -99 | NA | 0.50 | -99 | -99 | 160 | 40 | 174 |
| 209 | 2308 | P | Honolulu Creek | -99 | 0.99 | 40 | 0.87 | 99999 | 2 | 50 | 860 | 18 | -99 | -99 | -99 | NA | 2.05 | -99 | -99 | 137 | 20 | 158 |
| 210 | 2309 | CR | Honolulu Creek | -99 | 0.14 | 10 | 0.17 | 168 | -99 | 9 | 100 | 2 | NA | NA | -99 | NA | 0.02 | -99 | -99 | 22 | -99 | 54 |
| 211 | 2310 | P | Honolulu Creek | 1 | 1.66 | 20 | 1.36 | 5299 | 2 | 62 | 890 | 32 | -99 | -99 | -99 | NA | 0.78 | 10 | -99 | 174 | 40 | 192 |
| 212 | 2274 | P | Honolulu Creek Trib. | -99 | 1.94 | 130 | 1.11 | 881 | -99 | 62 | 700 | 26 | -99 | -99 | -99 | NA | 0.35 | -99 | -99 | 108 | 10 | 138 |
| 213 | 2273 | P | Honolulu Creek | -99 | 1.50 | 30 | 1.52 | 3533 | 1 | 48 | 900 | 16 | -99 | 20 | -99 | NA | 0.87 | -99 | -99 | 187 | 40 | 166 |
| 214 | 2122 | RC | Honolulu Creek Trib. | -99 | 3.61 | 10 | 0.10 | 42 | 2 | 4 | 60 | 24 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | -99 |
| 214 | 2254 | G | Honolulu Creek Trib. | -99 | 2.90 | -99 | 0.17 | 45 | 1 | 3 | 40 | 18 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | -99 |
| 214 | 2255 | CH | Honolulu Creek Trib. | 1 | 3.37 | 20 | 0.57 | 96 | 1 | 5 | 1150 | 12 | NA | NA | -99 | NA | 0.44 | -99 | -99 | 85 | -99 | 9 |
| 214 | 2256 | G | Honolulu Creek Trib. | 1 | 4.06 | 10 | 0.03 | 25 | 1 | 2 | 30 | 24 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | -99 |
| 214 | 2257 | G | Honolulu Creek Trib. | 1 | 2.56 | 20 | 0.13 | 48 | 1 | 2 | 40 | 108 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 16 |
| 214 | 2258 | G | Honolulu Creek Trib. | -99 | 1.90 | 10 | 0.96 | 53 | 1 | -99 | 140 | 640 | NA | NA | -99 | NA | 0.03 | -99 | -99 | 2 | -99 | 163 |
| 215 | 2121 | RC | Honolulu Creek Trib. | -99 | 1.27 | 10 | 0.11 | 246 | -99 | 14 | 160 | 244 | NA | NA | -99 | NA | 0.06 | -99 | -99 | 7 | -99 | 134 |
| 215 | 2253 | G | Honolulu Creek Trib. | 1 | 3.93 | 10 | 0.15 | 235 | 2 | 2 | 320 | 12 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 4 | -99 | 21 |
| 216 | 2127 | RC | Honolulu Creek Trib. | 1 | 2.67 | 20 | 1.93 | 1496 | 3 | 53 | 1530 | -99 | NA | NA | -99 | NA | 0.47 | -99 | -99 | 197 | -99 | 121 |
| 216 | 2128 | RC | Honolulu Creek Trib. | -99 | 0.76 | 10 | 1.35 | 783 | -99 | 67 | 430 | 2 | NA | NA | -99 | NA | 1.46 | 20 | -99 | 247 | 70 | 182 |
| 217 | 2123 | RC | Honolulu Creek Trib. | -99 | 2.99 | 10 | 0.05 | 219 | -99 | 5 | 40 | 4 | NA | NA | -99 | NA | 0.01 | -99 | -99 | -99 | -99 | 30 |
| 217 | 2124 | RC | Honolulu Creek Trib. | -99 | 3.32 | 10 | 0.02 | 232 | 1 | 3 | 30 | 22 | NA | NA | -99 | NA | -99 | -99 | -99 | -99 | -99 | 9 |
| 217 | 2125 | RC | Honolulu Creek Trib. | -99 | 0.04 | -99 | 0.02 | 35 | -99 | 4 | -99 | 16 | NA | NA | 660 | NA | 0.02 | 30 | 20 | 6 | 40 | 147 |
| 217 | 2126 | RC | Honolulu Creek Trib. | -99 | 4.13 | 10 | 0.07 | 89 | 1 | 4 | 80 | 28 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 19 |
| 218 | 2262 | S | Honolulu Creek Trib. | -99 | 0.37 | 10 | 0.26 | 57 | 8 | 3 | 100 | 40 | NA | NA | 130 | NA | 0.01 | 10 | -99 | 5 | -99 | 89 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 218 | 2263 | G | Honolulu Creek Trib. | 6.69 | 1.0 | NA | 1895 | -99 | NA | NA | NA | 170 | 8.5 | 20 | 0.31 | 0.5 | 5 | 70 | 48 | 0.79 | -99 |
| 219 | 2264 | G | Honolulu Creek Trib. | 7.07 | 1.0 | NA | 405 | -99 | NA | NA | NA | 930 | 2.0 | 10 | 1.44 | 1 | 6 | 172 | 47 | 1.84 | 10 |
| 220 | 2129 | RC | Honolulu Creek Trib. | 4.30 | 2.5 | NA | 5 | -99 | NA | NA | NA | 390 | 1.5 | -99 | 0.20 | -99 | 4 | 300 | 93 | 2.19 | -99 |
| 220 | 2130 | RC | Honolulu Creek Trib. | 6.90 | 0.5 | NA | -99 | -99 | NA | NA | NA | 870 | 1.0 | -99 | 0.12 | -99 | 4 | 101 | -99 | 1.49 | -99 |
| 221 | 2131 | RC | Honolulu Creek Trib. | 6.72 | 0.5 | NA | -99 | -99 | NA | NA | NA | 900 | 1.5 | -99 | 0.09 | 1.5 | 4 | 119 | 66 | 2.20 | -99 |
| 221 | 2132 | RC | Honolulu Creek Trib. | 7.90 | 3.5 | NA | 35 | -99 | NA | NA | NA | 480 | 2.0 | -99 | 0.08 | 5 | 2 | 101 | 1445 | 3.98 | 10 |
| 222 | 2259 | S | HONOLULU PROSPECT | 4.51 | 37.5 | NA | 5 | 1020 | 0.032 | NA | NA | 120 | -99 | 826 | 1.02 | 2.5 | 27 | 297 | 1.55% | 6.88 | -99 |
| 223 | 2260 | RC | HONOLULU PROSPECT | 7.15 | 99999 | 31.2 | 190 | 30 | NA | NA | NA | 400 | 1.0 | -99 | 0.22 | 48 | 11 | 126 | 2851 | 6.35 | 10 |
| 223 | 2261 | S | HONOLULU PROSPECT | 1.34 | 99999 | 141.70 | 325 | 105 | NA | NA | NA | 10 | 8.0 | -99 | 14.73 | 194.5 | 26 | 83 | 2.30% | 10.45 | -99 |
| 224 | 2251 | P | BRUSH BATTLE | 5.46 | -99 | NA | 20 | NA | NA | -99 | 1700 | 790 | 2.0 | -99 | 0.43 | -99 | 4 | 130 | 17 | 2.39 | 10 |
| 225 | 2252 | P | Honolulu Creek Trib. | 6.47 | 25.5 | NA | 355 | NA | NA | -99 | 22 | 1010 | 2.0 | -99 | 0.56 | -99 | 20 | 148 | 76 | 3.60 | 10 |
| 226 | 1980 | P | Honolulu Creek | 6.23 | -99 | NA | 40 | NA | NA | -99 | 120 | 890 | 1.5 | -99 | 1.52 | -99 | 11 | 136 | 36 | 4.40 | 10 |
| 227 | 2416 | S | NORTH CAROLINA | 0.32 | 1.5 | NA | 25 | 520 | NA | NA | NA | -99 | -99 | 2 | 0.16 | 1 | -99 | 134 | 41 | 0.14 | -99 |
| 228 | 2278 | G | Antimony Creek | 6.84 | 0.5 | NA | 30 | -99 | NA | NA | NA | 1960 | 2.0 | 2 | 0.44 | -99 | 6 | 61 | 4 | 1.59 | 10 |
| 228 | 2279 | G | Antimony Creek | 6.14 | 0.5 | NA | 5 | -99 | NA | NA | NA | 1350 | 0.5 | 2 | 1.30 | -99 | 10 | 168 | 32 | 2.31 | -99 |
| 229 | 2277 | G | Antimony Creek | 7.21 | 0.5 | NA | 10 | -99 | NA | NA | NA | 1960 | 2.0 | 4 | 0.76 | -99 | 4 | 60 | 48 | 2.19 | 10 |
| 230 | 2275 | G | Antimony Creek | 1.80 | 1.5 | NA | 90 | -99 | NA | NA | NA | 140 | -99 | 52 | 1.01 | 18 | 4 | 124 | 149 | 2.49 | -99 |
| 230 | 2276 | RC | Antimony Creek | 3.29 | 0.5 | NA | 15 | -99 | NA | NA | NA | 580 | -99 | -99 | 0.44 | -99 | 15 | 97 | 63 | 1.57 | -99 |
| 231 | 1968 | P | Honolulu Creek | 6.23 | 2.5 | NA | 395 | NA | NA | -99 | 6000 | 970 | 1.5 | 56 | 0.64 | -99 | 11 | 178 | 37 | 4.29 | -99 |
| 232 | 1967 | G | Honolulu Creek | 6.59 | 0.5 | NA | 25 | 10 | NA | NA | NA | 90 | 3.0 | 4 | 0.25 | -99 | 3 | 97 | -99 | 0.61 | -99 |
| 233 | 2092 | CR | Honolulu Creek | 6.89 | 0.5 | NA | 15 | -99 | NA | NA | NA | 2400 | 2.5 | 4 | 0.55 | -99 | 5 | 67 | 203 | 1.60 | -99 |
| 233 | 2093 | CR | Honolulu Creek | 7.06 | 0.5 | NA | 25 | -99 | NA | NA | NA | 2150 | 3.0 | 2 | 0.60 | -99 | 3 | 84 | 24 | 1.87 | 10 |
| 234 | 2094 | CR | Honolulu Creek | 6.80 | 0.5 | NA | -99 | -99 | NA | NA | NA | 2050 | 2.5 | 2 | 0.35 | -99 | 2 | 55 | 10 | 1.73 | 10 |
| 234 | 2095 | CR | Honolulu Creek | 6.55 | 0.5 | NA | 20 | -99 | NA | NA | NA | 2150 | 1.5 | 2 | 0.16 | -99 | 2 | 54 | 34 | 1.40 | -99 |
| 235 | 2097 | RC | Crooked Creek | 7.21 | 0.5 | NA | -99 | -99 | NA | NA | NA | 2070 | 2.0 | -99 | 0.18 | -99 | 5 | 100 | 16 | 1.43 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 218 | 2263 | G | Honolulu Creek Trib. | -99 | 5.10 | -99 | 0.19 | 173 | 1 | -99 | 30 | 16 | NA | NA | -99 | NA | 0.01 | -99 | -99 | -99 | -99 | 20 |
| 219 | 2264 | G | Honolulu Creek Trib. | -99 | 4.14 | 40 | 0.34 | 585 | 3 | 2 | 300 | 152 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 5 | -99 | 266 |
| 220 | 2129 | RC | Honolulu Creek Trib. | -99 | 2.04 | 10 | 0.15 | 221 | 1 | 6 | 150 | 18 | NA | NA | -99 | NA | 0.07 | -99 | -99 | 3 | -99 | 34 |
| 220 | 2130 | RC | Honolulu Creek Trib. | -99 | 2.70 | 30 | 0.08 | 106 | -99 | 3 | 260 | 2 | NA | NA | -99 | NA | 0.10 | -99 | -99 | 4 | -99 | 36 |
| 221 | 2131 | RC | Honolulu Creek Trib. | -99 | 2.46 | 20 | 0.17 | 387 | -99 | 3 | 280 | 12 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 6 | -99 | 118 |
| 221 | 2132 | RC | Honolulu Creek Trib. | -99 | 1.14 | 30 | 0.17 | 1085 | 1 | 3 | 270 | 10 | NA | NA | -99 | NA | 0.15 | -99 | -99 | 7 | -99 | 419 |
| 222 | 2259 | S | HONOLULU PROSPECT | -99 | 2.26 | 10 | 0.47 | 169 | -99 | 5 | -99 | 56 | NA | NA | -99 | NA | 0.09 | -99 | -99 | 5 | -99 | 197 |
| 223 | 2260 | RC | HONOLULU PROSPECT | -99 | 2.49 | 20 | 0.60 | 5954 | 3 | 10 | 300 | 3.32% | NA | NA | -99 | NA | 0.16 | -99 | -99 | 9 | 60 | 1.73% |
| 223 | 2261 | S | HONOLULU PROSPECT | -99 | 0.02 | -99 | 0.58 | 99999 | -99 | 23 | -99 | 6.33% | NA | NA | 40 | NA | 0.07 | -99 | -99 | 27 | 50 | 6.04% |
| 224 | 2251 | P | BRUSH BATTLE | -99 | 2.23 | 80 | 0.51 | 1253 | 1 | 22 | 470 | 20 | -99 | -99 | -99 | NA | 0.28 | -99 | -99 | 55 | 10 | 84 |
| 225 | 2252 | P | Honolulu Creek Trib. | -99 | 2.29 | 110 | 0.83 | 1085 | 1 | 61 | 700 | 82 | 4 | -99 | -99 | NA | 0.38 | -99 | -99 | 84 | 30 | 136 |
| 226 | 1980 | P | Honolulu Creek | -99 | 1.52 | 40 | 1.45 | 1518 | -99 | 36 | 680 | 12 | -99 | -99 | -99 | NA | 0.90 | 10 | -99 | 166 | 30 | 109 |
| 227 | 2416 | S | NORTH CAROLINA | 3 | 0.09 | -99 | 0.02 | 60 | -99 | 20 | 40 | 2 | NA | NA | 28.50% | NA | -99 | -99 | -99 | 4 | -99 | 29 |
| 228 | 2278 | G | Antimony Creek | -99 | 3.45 | 40 | 0.02 | 352 | 3 | 3 | 60 | 20 | NA | NA | -99 | NA | 0.08 | -99 | -99 | -99 | -99 | 70 |
| 228 | 2279 | G | Antimony Creek | -99 | 1.70 | 10 | 1.07 | 1424 | 2 | 16 | 400 | 2 | NA | NA | 5 | NA | 0.52 | -99 | -99 | 178 | 10 | 47 |
| 229 | 2277 | G | Antimony Creek | -99 | 3.55 | 40 | 0.02 | 566 | -99 | 1 | 90 | 20 | NA | NA | -99 | NA | 0.10 | -99 | -99 | -99 | -99 | 126 |
| 230 | 2275 | G | Antimony Creek | -99 | 0.20 | -99 | 0.63 | 419 | -99 | 10 | 270 | 4 | NA | NA | 5 | NA | 0.05 | -99 | -99 | 39 | -99 | 562 |
| 230 | 2276 | RC | Antimony Creek | -99 | 1.00 | -99 | 0.64 | 2932 | 1 | 19 | 250 | 2 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 61 | -99 | 50 |
| 231 | 1968 | P | Honolulu Creek | -99 | 1.94 | 50 | 1.08 | 915 | 2 | 45 | 690 | 16 | -99 | -99 | -99 | NA | 0.67 | 20 | -99 | 115 | 890 | 131 |
| 232 | 1967 | G | Honolulu Creek | -99 | 3.50 | 10 | 0.05 | 96 | 1 | 9 | 50 | 20 | NA | NA | -99 | NA | 0.03 | -99 | -99 | -99 | -99 | 7 |
| 233 | 2092 | CR | Honolulu Creek | -99 | 3.35 | 10 | 0.17 | 106 | -99 | 17 | 80 | 14 | NA | NA | -99 | NA | 0.10 | -99 | -99 | -99 | -99 | 10 |
| 233 | 2093 | CR | Honolulu Creek | -99 | 3.48 | 20 | 0.07 | 313 | 1 | 12 | 80 | 28 | NA | NA | -99 | NA | 0.11 | -99 | -99 | -99 | -99 | 71 |
| 234 | 2094 | CR | Honolulu Creek | -99 | 3.31 | 10 | 0.05 | 89 | 2 | 2 | 60 | 16 | NA | NA | -99 | NA | 0.09 | -99 | -99 | -99 | -99 | 23 |
| 234 | 2095 | CR | Honolulu Creek | -99 | 3.42 | 10 | 0.02 | 42 | 3 | 1 | 50 | 12 | NA | NA | -99 | NA | 0.08 | -99 | -99 | -99 | -99 | -99 |
| 235 | 2097 | RC | Crooked Creek | -99 | 4.10 | 20 | 0.05 | 123 | 2 | 2 | 80 | 12 | NA | NA | -99 | NA | 0.09 | -99 | -99 | -99 | -99 | 86 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 236 | 2303 | CR | Crooked Creek | 7.08 | 0.5 | NA | 160 | -99 | NA | NA | NA | 1920 | 1.0 | -99 | 0.08 | -99 | 2 | 126 | 15 | 1.35 | -99 |
| 236 | 2304 | CR | Crooked Creek | 6.58 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1700 | 1.5 | -99 | 0.42 | -99 | 2 | 58 | 2 | 1.42 | -99 |
| 237 | 2302 | CC | Crooked Creek | 6.84 | 0.5 | NA | -99 | 5 | NA | NA | NA | 1550 | 1.0 | -99 | 0.24 | -99 | 3 | 58 | 10 | 1.47 | -99 |
| 238 | 1971 | P | Crooked Creek | 8.11 | 1.0 | NA | 30 | NA | NA | -99 | 10 | 1040 | 1.5 | -99 | 0.50 | -99 | 13 | 184 | 84 | 4.97 | -99 |
| 238 | 2301 | P | Crooked Creek | 8.07 | -99 | NA | 35 | NA | NA | -99 | 6 | 1030 | 1.5 | -99 | 0.29 | -99 | 12 | 180 | 46 | 4.69 | 10 |
| 239 | 2098 | CR | Crooked Creek | 6.81 | 0.5 | NA | 30 | -99 | NA | NA | NA | 1970 | 1.0 | 2 | 0.06 | 0.5 | 4 | 69 | 9 | 1.35 | -99 |
| 239 | 2099 | CR | Crooked Creek | 7.03 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1950 | 1.5 | -99 | 0.44 | -99 | 4 | 76 | 6 | 1.56 | -99 |
| 239 | 2100 | S | Crooked Creek | 2.87 | 0.5 | NA | 10 | -99 | NA | NA | NA | 450 | 0.5 | -99 | 2.24 | 0.5 | 5 | 162 | 38 | 2.43 | -99 |
| 240 | 2096 | RC | Crooked Creek | 6.87 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1820 | 1.5 | 2 | 0.05 | -99 | 1 | 36 | -99 | 1.54 | -99 |
| 241 | 1972 | P | Crooked Creek | 7.37 | 0.5 | NA | 30 | NA | NA | -99 | 22 | 910 | 1.0 | -99 | 0.39 | -99 | 14 | 202 | 53 | 4.97 | -99 |
| 242 | 2306 | CR | Litna Mountain | 8.51 | 1.0 | NA | -99 | -99 | NA | NA | NA | 550 | 1.0 | -99 | 4.91 | -99 | 24 | 122 | -99 | 5.84 | -99 |
| 243 | 1973 | S | Litna Mountain | 7.88 | 6.5 | NA | 10 | -99 | NA | NA | NA | 860 | 3.0 | 2 | 2.89 | -99 | 33 | 146 | 133 | 6.62 | 10 |
| 243 | 1974 | G | Litna Mountain | 6.42 | 0.5 | NA | 5 | -99 | NA | NA | NA | 1120 | 2.5 | -99 | 0.74 | -99 | 2 | 24 | -99 | 1.84 | 10 |
| 243 | 1975 | G | Litna Mountain | 6.79 | 0.5 | NA | 5 | -99 | NA | NA | NA | 1320 | 2.5 | -99 | 0.40 | -99 | 3 | 18 | -99 | 1.45 | -99 |
| 243 | 1976 | G | Litna Mountain | 6.96 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1250 | 2.5 | -99 | 0.86 | -99 | 3 | 16 | -99 | 1.45 | -99 |
| 243 | 1977 | G | Litna Mountain | 10.43 | 0.5 | NA | -99 | -99 | NA | NA | NA | 1670 | 3.0 | 4 | 3.76 | -99 | 11 | 45 | 12 | 5.24 | 10 |
| 244 | 2305 | S | Litna Mountain | 7.22 | 0.5 | NA | 5 | -99 | NA | NA | NA | 620 | 3.5 | -99 | 3.97 | -99 | 28 | 96 | -99 | 6.90 | 10 |
| 245 | 1550 | S | Litna Mountain | 8.27 | 1.0 | NA | -99 | 15 | NA | NA | NA | 130 | -99 | -99 | 3.35 | 1 | 33 | 80 | 4 | 5.23 | 10 |
| 245 | 2307 | S | Litna Mountain | 6.50 | 1.5 | NA | -99 | -99 | NA | NA | NA | 540 | 4.0 | 2 | 0.43 | -99 | 2 | 36 | 1 | 1.66 | 10 |
| 246 | 1988 | G | E. Fk.Chulitna Trib. | 7.39 | -99 | NA | 10 | -99 | NA | NA | NA | 2190 | 0.5 | -99 | 5.07 | -99 | 15 | 319 | 6 | 2.89 | -99 |
| 247 | 2320 | P | E. Fk.Chulitna Trib. | 4.56 | 0.5 | NA | 30 | NA | NA | 0.003 | 44 | 340 | 5.5 | 1960 | 0.37 | 0.5 | -99 | 74 | 29 | 11.54 | 20 |
| 248 | 2321 | S | E. Fk.Chulitna Trib. | 5.89 | 1.0 | NA | 65 | -99 | NA | NA | NA | 130 | 1.0 | -99 | 1.26 | -99 | 4 | 56 | 8 | 4.48 | -99 |
| 249 | 2322 | RC | E. Fk.Chulitna Trib. | 8.71 | 2.0 | NA | 25 | -99 | NA | NA | NA | 750 | 0.5 | 2 | 0.14 | -99 | 4 | 24 | -99 | 2.18 | -99 |
| 249 | 2323 | CR | E. Fk.Chulitna Trib. | 6.08 | 1.5 | NA | 5 | -99 | NA | NA | NA | 180 | 1.5 | 2 | 5.14 | -99 | 11 | 41 | 6 | 4.24 | -99 |
| 250 | 2324 | P | CARIBOU | 6.15 | -99 | NA | 35 | NA | NA | -99 | 300 | 970 | 2.5 | 8 | 0.53 | -99 | 10 | 95 | 28 | 6.83 | 20 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 236 | 2303 | CR | Crooked Creek | 1 | 3.66 | 40 | 0.15 | 131 | 2 | 9 | 20 | 8 | NA | NA | -99 | NA | 0.04 | -99 | -99 | -99 | -99 | 94 |
| 236 | 2304 | CR | Crooked Creek | -99 | 3.10 | 10 | 0.04 | 248 | 1 | 4 | 50 | 8 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 111 |
| 237 | 2302 | CC | Crooked Creek | -99 | 2.85 | 10 | 0.28 | 148 | 2 | 7 | 50 | 12 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 77 |
| 238 | 1971 | P | Crooked Creek | -99 | 2.18 | 20 | 1.84 | 527 | -99 | 83 | 960 | 24 | -99 | -99 | 5 | NA | 0.47 | -99 | -99 | 171 | 50 | 181 |
| 238 | 2301 | P | Crooked Creek | -99 | 2.15 | 30 | 1.77 | 482 | -99 | 77 | 920 | 12 | -99 | -99 | -99 | NA | 0.44 | -99 | -99 | 175 | -99 | 162 |
| 239 | 2098 | CR | Crooked Creek | -99 | 3.25 | 20 | 0.05 | 81 | -99 | 1 | 70 | 6 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 37 |
| 239 | 2099 | CR | Crooked Creek | -99 | 3.16 | 40 | 0.03 | 218 | 3 | -99 | 30 | 8 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 110 |
| 239 | 2100 | S | Crooked Creek | 1 | 0.89 | 10 | 1.05 | 1246 | -99 | 35 | 290 | 12 | NA | NA | -99 | NA | 0.09 | -99 | -99 | 32 | -99 | 193 |
| 240 | 2096 | RC | Crooked Creek | -99 | 3.00 | 30 | 0.05 | 40 | 3 | 1 | 160 | 10 | NA | NA | -99 | NA | 0.06 | -99 | -99 | -99 | -99 | 7 |
| 241 | 1972 | P | Crooked Creek | -99 | 1.77 | 20 | 1.71 | 582 | 1 | 78 | 840 | 44 | -99 | -99 | 10 | NA | 0.45 | -99 | -99 | 170 | 10 | 167 |
| 242 | 2306 | CR | Litna Mountain | -99 | 1.14 | 20 | 2.08 | 1151 | -99 | 4 | 1280 | 2 | NA | NA | -99 | NA | 0.96 | -99 | -99 | 184 | 10 | 76 |
| 243 | 1973 | S | Litna Mountain | 1 | 1.33 | 20 | 1.39 | 983 | 1 | 72 | 440 | -99 | NA | NA | -99 | NA | 0.95 | -99 | -99 | 254 | 10 | 107 |
| 243 | 1974 | G | Litna Mountain | 1 | 4.77 | 60 | 0.06 | 251 | -99 | 3 | 80 | 30 | NA | NA | -99 | NA | 0.09 | -99 | -99 | -99 | -99 | 107 |
| 243 | 1975 | G | Litna Mountain | 1 | 3.23 | 40 | 0.06 | 108 | -99 | 2 | 60 | 6 | NA | NA | -99 | NA | 0.09 | -99 | -99 | -99 | -99 | 135 |
| 243 | 1976 | G | Litna Mountain | 1 | 2.79 | 40 | 0.10 | 152 | 1 | -99 | 110 | 6 | NA | NA | -99 | NA | 0.11 | -99 | -99 | -99 | -99 | 116 |
| 243 | 1977 | G | Litna Mountain | -99 | 1.62 | 40 | 0.10 | 1090 | 3 | 5 | 2620 | 36 | NA | NA | -99 | NA | 0.96 | -99 | -99 | 82 | -99 | 168 |
| 244 | 2305 | S | Litna Mountain | 1 | 4.34 | -99 | 1.08 | 594 | -99 | 10 | 1010 | 2 | NA | NA | -99 | NA | 0.95 | -99 | -99 | 110 | 10 | 72 |
| 245 | 1550 | S | Litna Mountain | -99 | 0.36 | 20 | 2.18 | 446 | 4 | 22 | 3300 | 2 | NA | NA | -99 | NA | 0.42 | -99 | -99 | 157 | -99 | 41 |
| 245 | 2307 | S | Litna Mountain | -99 | 4.27 | 20 | 0.07 | 83 | 1 | -99 | 50 | 32 | NA | NA | -99 | NA | 0.09 | -99 | -99 | -99 | -99 | 83 |
| 246 | 1988 | G | E. Fk.Chulitna Trib. | -99 | 3.38 | 20 | 3.21 | 522 | -99 | 56 | 1610 | 4 | NA | NA | -99 | NA | 0.50 | -99 | -99 | 141 | -99 | 45 |
| 247 | 2320 | P | E. Fk.Chulitna Trib. | 9 | 1.99 | 60 | 0.26 | 4095 | 5 | 12 | 560 | 26 | -99 | -99 | -99 | NA | 0.69 | -99 | -99 | 104 | 30 | 169 |
| 248 | 2321 | S | E. Fk.Chulitna Trib. | 2 | 2.36 | 20 | 0.40 | 485 | -99 | 3 | 460 | 20 | NA | NA | -99 | NA | 0.27 | -99 | -99 | 15 | 30 | 171 |
| 249 | 2322 | RC | E. Fk.Chulitna Trib. | 7 | 0.27 | -99 | 0.02 | 6 | 4 | 2 | 2280 | 16 | NA | NA | -99 | NA | 0.65 | -99 | -99 | 50 | 10 | -99 |
| 249 | 2323 | CR | E. Fk.Chulitna Trib. | 2 | 0.50 | -99 | 1.50 | 1367 | 1 | 4 | 1430 | 4 | NA | NA | -99 | NA | 0.49 | -99 | -99 | 42 | 30 | 60 |
| 250 | 2324 | P | CARIBOU | -99 | 1.78 | 80 | 0.65 | 1111 | 2 | 31 | 960 | 20 | -99 | -99 | -99 | NA | 0.51 | -99 | -99 | 107 | 10 | 167 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 251 | 1987 | P | Litna Creek | 7.02 | 0.5 | NA | 45 | NA | NA | -99 | 240 | 370 | 1.5 | -99 | 0.78 | -99 | 21 | 133 | 75 | 7.36 | -99 |
| 252 | 2319 | RC | Litna Creek | 5.89 | 9.0 | NA | 1925 | 20 | NA | NA | NA | 340 | 1.0 | -99 | 0.04 | 1 | 2 | 52 | 23 | 0.87 | -99 |
| 253 | 2148 | P | E. Fk. Chulitna R. | 5.96 | 4.5 | NA | 125 | NA | NA | 0.002 | 99999 | 800 | 2.0 | 14 | 1.10 | -99 | 10 | 152 | 40 | 7.18 | 10 |
| 254 | 2329 | P | E. Fk. Chulitna R. | 6.62 | 170.5 | NA | -99 | NA | NA | -99 | 99999 | 850 | 1.0 | -99 | 0.97 | -99 | 10 | 217 | 37 | 5.04 | 10 |
| 255 | 2146 | RC | W. Fk. Chulitna R. | 5.22 | 1.0 | NA | 10 | -99 | NA | NA | NA | 890 | 1.0 | -99 | 0.20 | -99 | 12 | 187 | 29 | 3.39 | -99 |
| 256 | 2327 | S | RIVERSIDE | 7.38 | 0.5 | NA | 20 | 110 | NA | NA | NA | 670 | 1.0 | -99 | 4.11 | -99 | 24 | 106 | 123 | 5.21 | 10 |
| 256 | 2328 | S | RIVERSIDE | 7.18 | 2.5 | NA | 1995 | 120 | NA | NA | NA | 420 | 0.5 | -99 | 0.10 | -99 | 5 | 76 | 206 | 3.00 | -99 |
| 257 | 452 | G | GOLDEN ZONE | 4.71 | 57.5 | NA | 99999 | NA | NA | NA | 99999 | 130 | -99 | 90 | 0.94 | -99 | 11 | 146 | 2105 | 10.36 | -99 |
| 257 | 453 | RC | GOLDEN ZONE | 6.81 | 0.5 | NA | 110 | NA | NA | NA | 16 | 380 | -99 | 4 | 7.57 | -99 | 18 | 198 | 92 | 5.27 | -99 |
| 258 | 2409 | S | LOOKOUT MOUNTAIN | 1.52 | 59.5 | NA | 360 | NA | 0.004 | NA | NA | 230 | 12.0 | -99 | 0.08 | 20.5 | 34 | 52 | 2173 | 99999 | -99 |
| 258 | 2410 | G | LOOKOUT MOUNTAIN | 7.03 | 2.0 | NA | 110 | -99 | NA | NA | NA | 710 | 4.0 | -99 | 0.12 | 15 | 10 | 91 | 74 | 3.15 | -99 |
| 258 | 2411 | G | LOOKOUT MOUNTAIN | 7.36 | 54.0 | NA | 1080 | 10 | NA | NA | NA | 1010 | 3.5 | -99 | 0.02 | -99 | 2 | 64 | 17 | 0.88 | -99 |
| 258 | 2414 | G | LOOKOUT MOUNTAIN | 5.40 | 42.0 | NA | 35 | -99 | NA | NA | NA | 290 | 2.5 | -99 | 0.02 | -99 | -99 | 94 | 22 | 1.00 | -99 |
| 258 | 2415 | G | LOOKOUT MOUNTAIN | 7.23 | 8.5 | NA | 25 | NA | 0.002 | NA | NA | 630 | 4.0 | -99 | 1.43 | 39.5 | 9 | 97 | 85 | 2.61 | -99 |
| 258 | 2417 | G | LOOKOUT MOUNTAIN | 6.58 | 5.0 | NA | 55 | 20 | NA | NA | NA | 870 | 1.0 | -99 | 0.04 | -99 | 1 | 70 | 19 | 0.87 | -99 |
| 259 | 2406 | CC | LOOKOUT MOUNTAIN | 7.02 | 5.0 | NA | 2610 | -99 | NA | NA | NA | 950 | 4.0 | 10 | 0.10 | 0.5 | 9 | 126 | 303 | 2.33 | -99 |
| 259 | 2407 | CR | LOOKOUT MOUNTAIN | 6.56 | 4.0 | NA | 50 | -99 | NA | NA | NA | 820 | 3.0 | -99 | 0.05 | 1.5 | 6 | 86 | 36 | 1.78 | -99 |
| 259 | 2408 | RC | LOOKOUT MOUNTAIN | 6.67 | 3.0 | NA | 70 | -99 | NA | NA | NA | 920 | 3.0 | -99 | 0.10 | 1.5 | 12 | 124 | 36 | 2.77 | -99 |
| 259 | 2412 | G | LOOKOUT MOUNTAIN | 5.90 | 28.5 | NA | 595 | 60 | NA | NA | NA | 500 | 2.0 | 10 | 0.09 | -99 | 10 | 229 | 177 | 5.17 | 10 |
| 259 | 2413 | G | LOOKOUT MOUNTAIN | 6.00 | 17.5 | NA | 175 | 20 | NA | NA | NA | 530 | 1.0 | 8 | 0.07 | -99 | 7 | 208 | 133 | 5.83 | 10 |
| 260 | 1991 | G | LOOKOUT MOUNTAIN | 7.03 | 2.0 | NA | 10 | -99 | NA | NA | NA | 1260 | 2.0 | -99 | 0.18 | 9 | 2 | 98 | 5 | 0.92 | -99 |
| 260 | 1992 | G | LOOKOUT MOUNTAIN | 6.69 | 2.5 | NA | 35 | -99 | NA | NA | NA | 1040 | 2.0 | -99 | 0.25 | 20.5 | 8 | 99 | 30 | 1.70 | -99 |
| 261 | 1990 | G | LOOKOUT MOUNTAIN | 7.23 | -99 | NA | -99 | -99 | NA | NA | NA | 2110 | 1.0 | 10 | 2.99 | -99 | 32 | 239 | 20 | 4.68 | 20 |
| 262 | 2318 | S | SILVER KITTY #'s 1-15 | 8.19 | 4.5 | NA | 5170 | 3925 | 0.110 | NA | NA | 1440 | 2.5 | 16 | 2.60 | 0.5 | 26 | 91 | 0.01% | 2.43 | -99 |
| 263 | 1985 | S | SILVER KITTY #'s 1-15 | 7.05 | -99 | NA | 20 | -99 | NA | NA | NA | 1760 | -99 | -99 | 4.12 | -99 | 14 | 237 | 94 | 3.38 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 251 | 1987 | P | Litna Creek | 5 | 1.51 | 10 | 1.23 | 1096 | 4 | 74 | 750 | 18 | -99 | -99 | 5 | NA | 0.63 | -99 | -99 | 185 | 30 | 160 |
| 252 | 2319 | RC | Litna Creek | -99 | 3.45 | -99 | 0.03 | 25 | 2 | 1 | 20 | 280 | NA | NA | 5 | NA | 0.06 | -99 | -99 | -99 | -99 | 23 |
| 253 | 2148 | P | E. Fk. Chulitna R. | 4 | 1.47 | 120 | 1.17 | 2325 | 1 | 44 | 690 | 34 | -99 | -99 | -99 | NA | 1.18 | -99 | -99 | 174 | 70 | 138 |
| 254 | 2329 | P | E. Fk. Chulitna R. | 3 | 1.60 | 70 | 1.25 | 1265 | -99 | 47 | 840 | 14 | -99 | -99 | -99 | NA | 0.77 | -99 | -99 | 151 | 30 | 131 |
| 255 | 2146 | RC | W. Fk. Chulitna R. | -99 | 0.89 | 10 | 0.78 | 693 | -99 | 37 | 550 | 36 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 82 | -99 | 128 |
| 256 | 2327 | S | RIVERSIDE | -99 | 0.77 | 10 | 1.87 | 902 | -99 | 28 | 1100 | 12 | NA | NA | -99 | NA | 0.32 | -99 | -99 | 228 | -99 | 31 |
| 256 | 2328 | S | RIVERSIDE | -99 | 3.50 | 10 | 0.07 | 40 | -99 | 3 | 350 | 12 | NA | NA | 10 | NA | 0.09 | -99 | -99 | 12 | -99 | 9 |
| 257 | 452 | G | GOLDEN ZONE | -99 | 0.83 | 10 | 0.23 | 316 | -99 | 52 | 690 | 494 | 2 | 10 | 160 | NA | 0.21 | -99 | -99 | 106 | 10 | 181 |
| 257 | 453 | RC | GOLDEN ZONE | 1 | 1.14 | -99 | 2.72 | 971 | -99 | 183 | 730 | 12 | 6 | 15 | -99 | NA | 0.37 | -99 | -99 | 160 | 20 | 55 |
| 258 | 2409 | S | LOOKOUT MOUNTAIN | -99 | 0.39 | 10 | 0.13 | 6637 | -99 | 28 | 870 | 6722 | NA | NA | 1435 | NA | 0.04 | -99 | -99 | 30 | 80 | 5004 |
| 258 | 2410 | G | LOOKOUT MOUNTAIN | -99 | 2.73 | 20 | 0.57 | 976 | -99 | 2 | 680 | 1260 | NA | NA | 55 | NA | 0.27 | -99 | -99 | 41 | -99 | 752 |
| 258 | 2411 | G | LOOKOUT MOUNTAIN | -99 | 4.39 | -99 | 0.07 | 130 | -99 | 1 | 50 | 2200 | NA | NA | 510 | NA | 0.03 | -99 | -99 | 6 | -99 | 49 |
| 258 | 2414 | G | LOOKOUT MOUNTAIN | -99 | 1.23 | -99 | 0.06 | 209 | -99 | 1 | 20 | 204 | NA | NA | 30 | NA | 0.01 | -99 | -99 | -99 | -99 | 168 |
| 258 | 2415 | G | LOOKOUT MOUNTAIN | -99 | 3.16 | 10 | 0.32 | 3260 | 1 | 15 | 370 | 2792 | NA | NA | 945 | NA | 0.14 | -99 | -99 | 33 | -99 | 2806 |
| 258 | 2417 | G | LOOKOUT MOUNTAIN | -99 | 3.89 | -99 | 0.11 | 135 | -99 | 2 | 80 | 376 | NA | NA | 3745 | NA | 0.03 | -99 | -99 | -99 | -99 | 29 |
| 259 | 2406 | CC | LOOKOUT MOUNTAIN | -99 | 2.73 | 20 | 0.54 | 968 | -99 | 8 | 380 | 80 | NA | NA | 5 | NA | 0.16 | -99 | -99 | 48 | 20 | 242 |
| 259 | 2407 | CR | LOOKOUT MOUNTAIN | -99 | 2.75 | 10 | 0.33 | 765 | -99 | 5 | 240 | 170 | NA | NA | 10 | NA | 0.11 | -99 | -99 | 33 | -99 | 229 |
| 259 | 2408 | RC | LOOKOUT MOUNTAIN | -99 | 2.61 | 20 | 0.37 | 1119 | 1 | 12 | 530 | 110 | NA | NA | 10 | NA | 0.22 | -99 | -99 | 71 | -99 | 315 |
| 259 | 2412 | G | LOOKOUT MOUNTAIN | -99 | 1.79 | 10 | 1.23 | 1068 | -99 | 5 | 740 | 392 | NA | NA | 10 | NA | 0.25 | 10 | -99 | 94 | 10 | 93 |
| 259 | 2413 | G | LOOKOUT MOUNTAIN | -99 | 1.69 | 20 | 1.43 | 1428 | -99 | 6 | 650 | 384 | NA | NA | 10 | NA | 0.36 | -99 | -99 | 135 | 10 | 113 |
| 260 | 1991 | G | LOOKOUT MOUNTAIN | -99 | 2.78 | 10 | 0.13 | 1266 | -99 | 3 | 130 | 850 | NA | NA | 120 | NA | 0.06 | -99 | -99 | -99 | -99 | 749 |
| 260 | 1992 | G | LOOKOUT MOUNTAIN | -99 | 2.79 | 10 | 0.34 | 2939 | 1 | 11 | 250 | 32 | NA | NA | 15 | NA | 0.09 | -99 | -99 | 7 | -99 | 556 |
| 261 | 1990 | G | LOOKOUT MOUNTAIN | -99 | 2.62 | 30 | 3.07 | 1029 | -99 | 23 | 1710 | 2 | NA | NA | -99 | NA | 0.55 | -99 | -99 | 170 | -99 | 85 |
| 262 | 2318 | S | SILVER KITTY #'s 1-15 | -99 | 3.69 | 20 | 0.57 | 349 | 3 | 8 | 670 | 144 | NA | NA | 15 | NA | 0.21 | -99 | -99 | 31 | 10 | 28 |
| 263 | 1985 | S | SILVER KITTY #'s 1-15 | 1 | 2.78 | -99 | 2.06 | 445 | 1 | 25 | 1270 | 4 | NA | NA | -99 | NA | 0.47 | -99 | -99 | 130 | -99 | 31 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 263 | 1986 | S | SILVER KITTY #'s 1-15 | 7.35 | -99 | NA | 5 | -99 | NA | NA | NA | 2120 | 0.5 | -99 | 4.88 | -99 | 15 | 328 | 10 | 3.03 | -99 |
| 264 | 2315 | S | CANYON CK OCCURRENCE | 0.47 | 15.5 | 0.42 | 99999 | NA | 0.006 | NA | NA | -99 | 5.5 | 18 | 0.19 | 5 | 19 | 126 | 0.04% | 7.70 | -99 |
| 264 | 2316 | S | CANYON CK OCCURRENCE | 7.27 | 2.0 | 0.05 | 960 | NA | -99 | NA | NA | 60 | 3.5 | -99 | 4.62 | 2.5 | 37 | 127 | 0.03% | 10.13 | -99 |
| 264 | 2317 | S | CANYON CK OCCURRENCE | 3.79 | 96.5 | 2.97 | 1735 | -99 | NA | NA | NA | 70 | 6.5 | 74 | 0.59 | 55.5 | 24 | 293 | 896 | 6.22 | -99 |
| 265 | 1981 | G | CANYON CK OCCURRENCE | 8.75 | 1.0 | NA | 3745 | -99 | NA | NA | NA | 690 | 5.0 | 2 | 0.28 | 0.5 | 29 | 191 | 111 | 4.95 | -99 |
| 265 | 1982 | G | CANYON CK OCCURRENCE | 7.42 | 1.0 | NA | 50 | -99 | NA | NA | NA | 980 | 3.0 | 2 | 2.70 | -99 | 4 | 50 | 341 | 0.33 | -99 |
| 265 | 1983 | G | CANYON CK OCCURRENCE | 1.06 | 0.5 | NA | 15 | -99 | NA | NA | NA | 90 | 1.0 | 10 | 99999 | -99 | 6 | 8 | 25 | 1.81 | -99 |
| 265 | 1984 | G | CANYON CK OCCURRENCE | 6.20 | -99 | NA | -99 | -99 | NA | NA | NA | 3490 | -99 | -99 | 3.94 | -99 | 28 | 140 | 533 | 10.00 | -99 |
| 266 | 2134 | RC | READY CASH LODE | 1.42 | 35.0 | 0.99 | 99999 | 165 | NA | NA | NA | 100 | 1.5 | 116 | 0.08 | -99 | 7 | 117 | 1308 | 13.79 | -99 |
| 266 | 2135 | S | READY CASH LODE | 5.67 | 1.0 | 0.03 | 375 | -99 | NA | NA | NA | 180 | 2.0 | -99 | 1.51 | 1.5 | 31 | 90 | 790 | 12.55 | -99 |
| 266 | 2136 | RC | READY CASH LODE | -99 | -99 | 0.09 | 99999 | 2020 | 0.062 | NA | NA | -99 | -99 | -99 | -99 | -99 | -99 | -99 | -99 | -99 | -99 |
| 266 | 2137 | G | READY CASH LODE | 6.19 | 8.0 | 0.25 | 1550 | 740 | NA | NA | NA | 280 | 3.5 | -99 | 4.56 | 5.5 | 52 | 115 | 6094 | 10.50 | -99 |
| 266 | 2138 | CC | READY CASH LODE | 0.27 | 65.0 | 1.97 | 99999 | 140 | NA | NA | NA | 90 | 0.5 | -99 | 0.04 | 22 | 6 | 281 | 1115 | 7.13 | -99 |
| 266 | 2139 | RC | READY CASH LODE | 2.48 | 1.0 | 0.01 | 455 | 10 | NA | NA | NA | -99 | -99 | 8 | 11.12 | 1 | 11 | 172 | 107 | 3.51 | -99 |
| 266 | 2140 | CC | READY CASH LODE | 6.53 | 28.0 | 0.77 | 270 | 800 | NA | NA | NA | 180 | 1.0 | -99 | 4.94 | 7 | 76 | 127 | 7915 | 10.20 | -99 |
| 266 | 2141 | RC | READY CASH LODE | 2.81 | 242.0 | 7.29 | 9905 | 240 | NA | NA | NA | 80 | 1.5 | -99 | 1.79 | 76 | 35 | 143 | 8484 | 7.39 | -99 |
| 266 | 2142 | RC | READY CASH LODE | 1.47 | 204.0 | 5.86 | 99999 | 75 | NA | NA | NA | 50 | 2.0 | -99 | 2.35 | 114 | 7 | 229 | 1362 | 12.72 | -99 |
| 266 | 2143 | S | READY CASH LODE | 0.01 | 99999 | 54.90 | 99999 | 135 | NA | NA | NA | -99 | 0.5 | 36 | 1.19 | 3557.5 | 5 | 95 | 2.60% | 19.84 | -99 |
| 266 | 2144 | CR | READY CASH LODE | 0.96 | 31.0 | 0.83 | 99999 | 65 | NA | NA | NA | 70 | 1.5 | 4 | 0.08 | 42 | 32 | 199 | 1209 | 15.60 | -99 |
| 266 | 2145 | RC | READY CASH LODE | 0.58 | 191.5 | 5.54 | 99999 | 130 | NA | NA | NA | 70 | -99 | 196 | 0.02 | 405.5 | 24 | 183 | 2826 | 11.97 | -99 |
| 267 | 2291 | RC | READY CASH LODE | 6.97 | 14.0 | NA | 1430 | 30 | NA | NA | NA | 130 | -99 | 6 | 0.50 | 0.5 | 34 | 143 | 1219 | 13.95 | 10 |
| 267 | 2292 | CC | READY CASH LODE | 0.19 | 99999 | 29.2 | 99999 | NA | 0.008 | NA | NA | 10 | 2.0 | -99 | 0.09 | 757 | -99 | 45 | 0.71% | 12.87 | -99 |
| 267 | 2293 | CC | READY CASH LODE | 2.45 | 442.0 | 14.00 | 99999 | NA | 0.004 | NA | NA | 280 | 2.0 | -99 | 0.07 | 278 | -99 | 121 | 0.32% | 9.28 | -99 |
| 267 | 2294 | CC | READY CASH LODE | 2.87 | 289.0 | 8.60 | 99999 | NA | 0.004 | NA | NA | 260 | 3.0 | -99 | 0.87 | 451.5 | 13 | 140 | 0.24% | 10.05 | -99 |
| 267 | 2295 | RC | READY CASH LODE | 0.98 | 354.0 | 10.80 | 99999 | NA | 0.205 | NA | NA | 30 | 2.5 | 256 | 0.09 | 14 | 11 | 93 | 1.80% | 14.47 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 263 | 1986 | S | SILVER KITTY #'s 1-15 | -99 | 3.32 | 20 | 3.17 | 533 | -99 | 57 | 1600 | 2 | NA | NA | -99 | NA | 0.49 | -99 | -99 | 138 | -99 | 46 |
| 264 | 2315 | S | CANYON CK OCCURRENCE | -99 | 0.20 | -99 | 0.19 | 413 | 1 | 11 | 50 | 322 | NA | NA | 105 | NA | 0.04 | 20 | 20 | 15 | -99 | 149 |
| 264 | 2316 | S | CANYON CK OCCURRENCE | 1 | 1.88 | 10 | 3.11 | 2632 | -99 | 122 | 1520 | 84 | NA | NA | 5 | NA | 3.38 | 20 | -99 | 354 | 30 | 210 |
| 264 | 2317 | S | CANYON CK OCCURRENCE | -99 | 2.04 | -99 | 1.72 | 1949 | -99 | 71 | 630 | 8900 | NA | NA | 5 | NA | 0.99 | 10 | -99 | 144 | 10 | 871 |
| 265 | 1981 | G | CANYON CK OCCURRENCE | 1 | 2.11 | 10 | 1.93 | 458 | 3 | 80 | 870 | 50 | NA | NA | -99 | NA | 0.54 | -99 | -99 | 289 | -99 | 85 |
| 265 | 1982 | G | CANYON CK OCCURRENCE | -99 | 1.87 | -99 | 0.07 | 173 | -99 | 2 | 210 | 6 | NA | NA | -99 | NA | 0.02 | -99 | -99 | 1 | -99 | -99 |
| 265 | 1983 | G | CANYON CK OCCURRENCE | -99 | 0.04 | -99 | 0.37 | 1595 | -99 | 6 | 2880 | 2 | NA | NA | -99 | NA | 0.07 | -99 | -99 | 17 | -99 | -99 |
| 265 | 1984 | G | CANYON CK OCCURRENCE | 1 | 0.61 | -99 | 2.00 | 1314 | -99 | 84 | 860 | 2 | NA | NA | -99 | NA | 1.96 | -99 | -99 | 254 | 30 | 109 |
| 266 | 2134 | RC | READY CASH LODE | -99 | 0.38 | -99 | 0.23 | 157 | 2 | 18 | 370 | 20 | NA | NA | 140 | NA | 0.05 | 10 | -99 | 124 | 30 | 72 |
| 266 | 2135 | S | READY CASH LODE | -99 | 0.64 | 10 | 2.30 | 1334 | -99 | 47 | 1870 | -99 | NA | NA | 5 | NA | 2.34 | 10 | -99 | 327 | 40 | 92 |
| 266 | 2136 | RC | READY CASH LODE | -99 | -99 | -99 | -99 | -99 | -99 | -99 | -99 | -99 | NA | NA | 60 | NA | -99 | -99 | -99 | -99 | -99 | -99 |
| 266 | 2137 | G | READY CASH LODE | 1 | 1.82 | -99 | 2.22 | 1195 | -99 | 106 | 870 | -99 | NA | NA | 5 | NA | 1.91 | -99 | -99 | 269 | 60 | 250 |
| 266 | 2138 | CC | READY CASH LODE | -99 | 0.07 | -99 | 0.03 | 165 | -99 | 6 | -99 | 3662 | NA | NA | 250 | NA | 0.01 | -99 | -99 | 6 | -99 | 529 |
| 266 | 2139 | RC | READY CASH LODE | -99 | 0.02 | -99 | 0.98 | 603 | -99 | 33 | 380 | 26 | NA | NA | -99 | NA | 0.48 | -99 | -99 | 90 | 20 | 55 |
| 266 | 2140 | CC | READY CASH LODE | 1 | 0.84 | -99 | 2.24 | 1206 | -99 | 102 | 600 | 14 | NA | NA | 5 | NA | 1.96 | -99 | -99 | 236 | 60 | 296 |
| 266 | 2141 | RC | READY CASH LODE | -99 | 0.43 | 10 | 0.72 | 1412 | -99 | 39 | 40 | 3232 | NA | NA | 35 | NA | 0.75 | 10 | -99 | 121 | 40 | 2110 |
| 266 | 2142 | RC | READY CASH LODE | -99 | 0.30 | 10 | 0.56 | 2726 | -99 | 25 | 210 | 99999 | NA | NA | 325 | NA | 0.38 | 10 | -99 | 66 | 60 | 2417 |
| 266 | 2143 | S | READY CASH LODE | -99 | 0.06 | -99 | 0.04 | 3626 | -99 | 5 | -99 | 99999 | NA | NA | 475 | NA | -99 | 30 | 20 | 6 | 70 | 9.19% |
| 266 | 2144 | CR | READY CASH LODE | -99 | 0.20 | -99 | 0.33 | 438 | -99 | 13 | 210 | 1046 | NA | NA | 270 | NA | 0.29 | 30 | 20 | 55 | 40 | 734 |
| 266 | 2145 | RC | READY CASH LODE | -99 | 0.28 | -99 | 0.05 | 114 | -99 | 3 | -99 | 8794 | NA | NA | 225 | NA | 0.07 | 20 | 10 | 23 | 40 | 6240 |
| 267 | 2291 | RC | READY CASH LODE | 3 | 0.26 | 10 | 2.92 | 1271 | -99 | 71 | 990 | 4 | NA | NA | -99 | NA | 2.08 | -99 | -99 | 287 | 20 | 196 |
| 267 | 2292 | CC | READY CASH LODE | -99 | 0.03 | -99 | 0.05 | 167 | -99 | 4 | -99 | 4.11% | NA | NA | 635 | NA | 0.06 | 30 | 20 | 12 | 300 | 1.36% |
| 267 | 2293 | CC | READY CASH LODE | -99 | 0.49 | -99 | 0.23 | 490 | -99 | 7 | 30 | 3.03% | NA | NA | 350 | NA | 0.54 | 20 | 10 | 149 | 80 | 0.28% |
| 267 | 2294 | CC | READY CASH LODE | -99 | 0.83 | -99 | 0.54 | 1799 | 1 | 29 | 430 | 2.08% | NA | NA | 255 | NA | 0.84 | 20 | 10 | 128 | 170 | 0.63% |
| 267 | 2295 | RC | READY CASH LODE | -99 | 0.06 | -99 | 0.33 | 327 | 1 | 10 | -99 | 1556 | NA | NA | 180 | NA | 0.43 | 30 | 20 | 56 | 130 | 422 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 267 | 2311 | G | READY CASH LODE | 7.30 | 1.5 | NA | -99 | -99 | NA | NA | NA | 40 | -99 | -99 | 2.87 | -99 | 64 | 183 | 227 | 11.05 | 30 |
| 267 | 2312 | CR | READY CASH LODE | 7.65 | 0.5 | NA | 10 | -99 | NA | NA | NA | 430 | 1.5 | -99 | 0.26 | -99 | 3 | 59 | -99 | 1.36 | -99 |
| 267 | 2313 | S | READY CASH LODE | 4.91 | 3.5 | NA | 15 | 110 | NA | NA | NA | 400 | 1.0 | -99 | 0.30 | 6.5 | 163 | 68 | 0.89% | 2.91 | -99 |
| 267 | 2314 | S | READY CASH LODE | 1.69 | 367.5 | NA | 99999 | 650 | NA | NA | NA | 50 | -99 | 68 | 0.05 | 102 | 63 | 48 | 1820 | 15.63 | -99 |
| 268 | 2269 | CC | READY CASH LODE | 0.54 | 59.0 | 1.87 | 99999 | NA | -99 | NA | NA | 20 | 1.0 | -99 | 0.32 | 242 | 8 | 165 | 2180 | 3.19 | -99 |
| 268 | 2270 | CC | READY CASH LODE | 0.60 | 116.5 | 3.50 | 99999 | NA | -99 | NA | NA | 30 | 1.0 | 26 | 0.38 | 73 | 7 | 150 | 0.14% | 3.23 | -99 |
| 268 | 2271 | CC | READY CASH LODE | 0.86 | 16.0 | 0.41 | 465 | NA | -99 | NA | NA | 90 | 0.5 | 2 | 0.49 | 36.5 | 5 | 119 | 0.04% | 1.36 | -99 |
| 269 | 2280 | CC | READY CASH LODE | 5.78 | 16.5 | 0.47 | 6170 | NA | 0.012 | NA | NA | 200 | 3.5 | 2 | 2.87 | 26.5 | 39 | 128 | 0.10% | 9.84 | -99 |
| 269 | 2281 | CC | READY CASH LODE | 6.42 | 3.0 | 0.07 | 135 | NA | -99 | NA | NA | 100 | 2.0 | 4 | 3.51 | 29.5 | 28 | 118 | 0.03% | 7.61 | -99 |
| 269 | 2282 | CC | READY CASH LODE | 4.54 | 2.5 | 0.08 | 1260 | NA | -99 | NA | NA | 120 | 2.0 | 2 | 10.57 | 14 | 18 | 81 | 0.02% | 6.82 | -99 |
| 269 | 2283 | CC | READY CASH LODE | 6.37 | 39.5 | 1.14 | 99999 | NA | -99 | NA | NA | 360 | 3.5 | -99 | 4.06 | 23.5 | 25 | 119 | 0.09% | 5.09 | -99 |
| 269 | 2284 | CC | READY CASH LODE | 7.27 | 3.0 | NA | 30 | -99 | NA | NA | NA | 320 | -99 | 4 | 5.63 | 3 | 36 | 138 | 402 | 9.70 | 10 |
| 269 | 2285 | CC | READY CASH LODE | 6.12 | 13.5 | NA | 25 | -99 | NA | NA | NA | 450 | -99 | -99 | 7.61 | 49 | 29 | 119 | 427 | 8.37 | 10 |
| 269 | 2286 | CC | READY CASH LODE | 6.99 | 2.0 | NA | 10 | -99 | NA | NA | NA | 420 | -99 | 2 | 2.38 | 1.5 | 21 | 118 | 458 | 12.87 | 10 |
| 269 | 2287 | RC | READY CASH LODE | 8.64 | 1.0 | NA | 20 | 5 | NA | NA | NA | 270 | -99 | -99 | 4.25 | 1 | 43 | 127 | 425 | 11.21 | 10 |
| 269 | 2288 | CC | READY CASH LODE | 7.13 | 1.0 | NA | 40 | 30 | NA | NA | NA | 130 | -99 | 4 | 6.65 | 0.5 | 37 | 118 | 297 | 9.27 | 10 |
| 269 | 2289 | CC | READY CASH LODE | 5.77 | 63.0 | 1.75 | 99999 | NA | 0.002 | NA | NA | 170 | 4.0 | 4 | 6.67 | 145.5 | 25 | 101 | 0.15% | 10.39 | -99 |
| 269 | 2290 | S | READY CASH LODE | 2.24 | 26.0 | 0.40 | 99999 | NA | 0.020 | NA | NA | 70 | 2.5 | 6 | 2.43 | 33 | 34 | 123 | 0.13% | 8.82 | -99 |
| 270 | 2272 | P | READY CASH LODE | 6.58 | 12.0 | NA | 2915 | NA | NA | -99 | 50 | 420 | 1.0 | -99 | 1.77 | 2.5 | 22 | 182 | 350 | 8.65 | 10 |
| 271 | 1953 | RC | McCallie Glacier | 7.73 | 0.5 | NA | 75 | -99 | NA | NA | NA | 900 | 2.0 | -99 | 0.11 | -99 | 3 | 68 | 42 | 1.75 | -99 |
| 272 | 2227 | G | MCCALLIE GLACIER | 2.13 | 0.5 | NA | 20 | 15 | NA | NA | NA | 290 | -99 | -99 | 0.13 | -99 | 5 | 210 | 23 | 1.98 | -99 |
| 272 | 2228 | S | MCCALLIE GLACIER | 4.59 | 0.5 | NA | 10 | -99 | NA | NA | NA | 270 | -99 | 2 | 0.03 | -99 | 5 | 372 | -99 | 2.81 | -99 |
| 272 | 2229 | G | MCCALLIE GLACIER | 3.56 | 0.5 | NA | 5 | -99 | NA | NA | NA | 110 | -99 | -99 | 0.06 | -99 | 8 | 242 | 9 | 2.88 | -99 |
| 272 | 2230 | G | MCCALLIE GLACIER | 3.67 | 0.5 | NA | 15 | -99 | NA | NA | NA | 130 | -99 | -99 | 0.05 | -99 | 2 | 291 | -99 | 2.97 | -99 |
| 273 | 2223 | S | MCCALLIE GLACIER | 4.40 | 11.5 | NA | 1185 | 640 | NA | NA | NA | 170 | -99 | -99 | 0.43 | 14.5 | 26 | 186 | 602 | 6.18 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 267 | 2311 | G | READY CASH LODE | 1 | 0.28 | 10 | 5.18 | 1551 | -99 | 115 | 560 | 2 | NA | NA | -99 | NA | 2.02 | -99 | -99 | 276 | 30 | 136 |
| 267 | 2312 | CR | READY CASH LODE | -99 | 1.84 | 30 | 0.21 | 95 | -99 | 2 | 190 | 4 | NA | NA | -99 | NA | 0.10 | -99 | -99 | -99 | -99 | 42 |
| 267 | 2313 | S | READY CASH LODE | 1 | 0.98 | 20 | 1.43 | 2554 | 1 | 101 | 180 | 2 | NA | NA | -99 | NA | 0.17 | -99 | -99 | 69 | 10 | 362 |
| 267 | 2314 | S | READY CASH LODE | -99 | 0.04 | -99 | 0.40 | 100 | 2 | 10 | -99 | 1.18% | NA | NA | 1215 | NA | 0.02 | 10 | -99 | 23 | 140 | 0.15% |
| 268 | 2269 | CC | READY CASH LODE | -99 | 0.11 | -99 | 0.04 | 1725 | -99 | 7 | -99 | 602 | NA | NA | 65 | NA | 0.02 | -99 | -99 | 6 | -99 | 2818 |
| 268 | 2270 | CC | READY CASH LODE | -99 | 0.13 | -99 | 0.10 | 790 | 1 | 11 | 30 | 6920 | NA | NA | 25 | NA | 0.08 | -99 | -99 | 18 | 70 | 881 |
| 268 | 2271 | CC | READY CASH LODE | -99 | 0.12 | -99 | 0.23 | 394 | -99 | 10 | 80 | 764 | NA | NA | -99 | NA | 0.25 | -99 | -99 | 35 | -99 | 639 |
| 269 | 2280 | CC | READY CASH LODE | 1 | 1.01 | 10 | 2.02 | 1369 | -99 | 103 | 750 | 128 | NA | NA | 10 | NA | 1.41 | 10 | -99 | 207 | 40 | 431 |
| 269 | 2281 | CC | READY CASH LODE | 1 | 0.71 | 10 | 2.06 | 1376 | -99 | 83 | 880 | 56 | NA | NA | -99 | NA | 1.60 | -99 | -99 | 219 | 20 | 552 |
| 269 | 2282 | CC | READY CASH LODE | -99 | 0.77 | -99 | 1.02 | 1979 | -99 | 51 | 610 | 62 | NA | NA | 10 | NA | 0.93 | 10 | -99 | 149 | 30 | 289 |
| 269 | 2283 | CC | READY CASH LODE | -99 | 2.38 | -99 | 1.02 | 2598 | 4 | 71 | 410 | 1018 | NA | NA | 20 | NA | 0.98 | 10 | -99 | 157 | 80 | 450 |
| 269 | 2284 | CC | READY CASH LODE | 2 | 1.26 | -99 | 2.03 | 1905 | -99 | 108 | 930 | 24 | NA | NA | 5 | NA | 2.28 | -99 | -99 | 317 | 20 | 134 |
| 269 | 2285 | CC | READY CASH LODE | 2 | 1.26 | -99 | 2.24 | 3088 | -99 | 77 | 790 | 1420 | NA | NA | -99 | NA | 1.85 | -99 | -99 | 259 | 30 | 947 |
| 269 | 2286 | CC | READY CASH LODE | 2 | 1.72 | 10 | 1.31 | 1363 | -99 | 69 | 450 | 4 | NA | NA | -99 | NA | 2.32 | -99 | -99 | 384 | 30 | 140 |
| 269 | 2287 | RC | READY CASH LODE | -99 | 1.27 | 10 | 2.13 | 1643 | -99 | 102 | 1030 | 2 | NA | NA | -99 | NA | 3.52 | -99 | -99 | 392 | 30 | 146 |
| 269 | 2288 | CC | READY CASH LODE | 2 | 0.44 | -99 | 1.07 | 1332 | -99 | 78 | 790 | 2 | NA | NA | -99 | NA | 2.79 | -99 | -99 | 309 | 20 | 109 |
| 269 | 2289 | CC | READY CASH LODE | -99 | 0.66 | -99 | 1.15 | 1717 | -99 | 61 | 570 | 3550 | NA | NA | 15 | NA | 2.00 | 10 | -99 | 260 | 40 | 3514 |
| 269 | 2290 | S | READY CASH LODE | -99 | 0.25 | 10 | 0.75 | 872 | -99 | 79 | 200 | 166 | NA | NA | 20 | NA | 0.44 | 20 | -99 | 75 | 20 | 378 |
| 270 | 2272 | P | READY CASH LODE | -99 | 1.39 | 20 | 1.72 | 1076 | -99 | 71 | 930 | 760 | 8 | -99 | 5 | NA | 1.44 | -99 | -99 | 255 | 60 | 219 |
| 271 | 1953 | RC | McCallie Glacier | -99 | 1.29 | 20 | 0.06 | 83 | 2 | 7 | 120 | 4 | NA | NA | -99 | NA | 0.04 | -99 | -99 | -99 | -99 | 30 |
| 272 | 2227 | G | MCCALLIE GLACIER | 1 | 0.45 | -99 | 0.32 | 195 | -99 | 15 | 180 | 8 | NA | NA | 5 | NA | 0.06 | -99 | -99 | 122 | -99 | 31 |
| 272 | 2228 | S | MCCALLIE GLACIER | -99 | 1.28 | 10 | 0.48 | 83 | 1 | 12 | 330 | 2 | NA | NA | 10 | NA | 0.30 | -99 | -99 | 131 | -99 | 20 |
| 272 | 2229 | G | MCCALLIE GLACIER | -99 | 0.47 | -99 | 0.31 | 58 | -99 | 20 | 350 | 36 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 64 | -99 | 12 |
| 272 | 2230 | G | MCCALLIE GLACIER | 2 | 0.31 | 10 | 0.46 | 44 | -99 | 4 | 200 | 2 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 109 | -99 | -99 |
| 273 | 2223 | S | MCCALLIE GLACIER | 2 | 0.32 | 10 | 1.98 | 1033 | -99 | 47 | 1240 | 332 | NA | NA | 95 | NA | 0.93 | -99 | -99 | 227 | -99 | 1532 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 273 | 2224 | S | MCCALLIE GLACIER | 0.56 | 63.5 | 1.84 | 99999 | 99999 | 0.410 | NA | NA | 10 | -99 | -99 | 8.80 | 86 | 7 | 140 | 228 | 9.17 | -99 |
| 273 | 2225 | S | MCCALLIE GLACIER | 1.85 | 9.0 | NA | 1755 | 540 | NA | NA | NA | 50 | -99 | -99 | 0.87 | 28 | 9 | 205 | 67 | 1.88 | -99 |
| 273 | 2226 | G | MCCALLIE GLACIER | 6.09 | 2.0 | NA | 200 | 70 | NA | NA | NA | 280 | -99 | -99 | 0.31 | 2 | 21 | 522 | 55 | 4.72 | -99 |
| 274 | 1949 | S | MCCALLIE GLACIER | 5.48 | 2.5 | NA | 5 | 115 | NA | NA | NA | 60 | 4.5 | -99 | 6.76 | 1.5 | 91 | 61 | 4704 | 17.70 | 10 |
| 274 | 1950 | RC | MCCALLIE GLACIER | 7.69 | 0.5 | NA | 5 | 10 | NA | NA | NA | 120 | 2.5 | 4 | 4.74 | -99 | 48 | 211 | 280 | 8.84 | 10 |
| 274 | 1951 | S | MCCALLIE GLACIER | 1.11 | 39.5 | 1.14 | 5215 | 1200 | 0.028 | NA | NA | 50 | 1.0 | -99 | 0.67 | 59.5 | 10 | 125 | 212 | 3.09 | -99 |
| 275 | 2218 | S | MCCALLIE GLACIER | 2.59 | 46.5 | 1.58 | 99999 | 99999 | 0.286 | NA | NA | 100 | -99 | -99 | 7.37 | 30 | 25 | 141 | 150 | 10.58 | -99 |
| 275 | 2219 | S | MCCALLIE GLACIER | 1.79 | 124.0 | 3.87 | 99999 | 99999 | 0.878 | NA | NA | 30 | -99 | -99 | 0.83 | 32 | -99 | 107 | 133 | 22.37 | -99 |
| 275 | 2220 | G | MCCALLIE GLACIER | 7.25 | 4.8 | NA | 440 | 350 | NA | NA | NA | 180 | -99 | 2 | 5.03 | 3 | 39 | 143 | 304 | 9.48 | 10 |
| 275 | 2221 | S | MCCALLIE GLACIER | 4.52 | 144.0 | 4.41 | 8750 | 4700 | 0.124 | NA | NA | 80 | -99 | -99 | 5.60 | 128.5 | 26 | 119 | 211 | 10.77 | -99 |
| 275 | 2222 | CC | MCCALLIE GLACIER | 1.70 | 6.5 | NA | 50 | 15 | NA | NA | NA | 20 | -99 | -99 | 0.32 | 1 | 10 | 335 | 1033 | 2.09 | -99 |
| 276 | 2215 | G | MCCALLIE GLACIER | 8.48 | 0.5 | NA | 20 | 5 | NA | NA | NA | 190 | -99 | 4 | 5.07 | -99 | 26 | 92 | 355 | 6.62 | -99 |
| 276 | 2216 | G | MCCALLIE GLACIER | 7.16 | 0.5 | NA | 10 | 10 | NA | NA | NA | 120 | -99 | -99 | 4.96 | -99 | 41 | 153 | 417 | 9.49 | 10 |
| 276 | 2217 | S | MCCALLIE GLACIER | 2.37 | 1.0 | NA | -99 | 50 | NA | NA | NA | 80 | -99 | -99 | 1.26 | -99 | 5 | 268 | 93 | 1.92 | -99 |
| 277 | 1952 | S | McCallie Glacier | 3.85 | 1.0 | NA | 15 | -99 | NA | NA | NA | 320 | 0.5 | -99 | 22.20 | -99 | 19 | 37 | 1366 | 2.30 | -99 |
| 278 | 1956 | S | SHOTGUN CREEK LODE | 0.96 | -99 | NA | 55 | -99 | NA | NA | 16 | 200 | -99 | -99 | 0.18 | -99 | 3 | 245 | 74 | 9.67 | -99 |
| 279 | 1957 | RC | SHOTGUN CREEK LODE | 2.01 | -99 | NA | 10 | -99 | NA | NA | NA | 60 | -99 | -99 | 8.00 | -99 | 27 | 529 | 25 | 3.00 | -99 |
| 280 | 1954 | S | SHOTGUN CREEK LODE | 0.32 | 0.5 | NA | 10 | -99 | NA | NA | 4 | 70 | 0.5 | 2 | 7.08 | 0.5 | 70 | 915 | 9 | 2.71 | -99 |
| 280 | 1955 | RC | SHOTGUN CREEK LODE | 0.39 | -99 | NA | 100 | -99 | NA | NA | 6 | 60 | -99 | -99 | 0.79 | -99 | 56 | 1943 | 10 | 4.82 | -99 |
| 281 | 2081 | G | SHOTGUN CREEK LODE | 0.16 | 0.5 | NA | 15 | -99 | NA | NA | -99 | -99 | 0.5 | -99 | 1.79 | -99 | 94 | 748 | 19 | 5.08 | -99 |
| 281 | 2082 | S | SHOTGUN CREEK LODE | 0.09 | 0.5 | NA | 5 | -99 | NA | NA | -99 | 30 | -99 | -99 | 0.34 | -99 | 64 | 605 | 31 | 3.55 | -99 |
| 281 | 2115 | RC | SHOTGUN CREEK LODE | 1.70 | 0.5 | NA | 5 | -99 | NA | NA | -99 | 50 | -99 | -99 | 3.81 | 1 | 70 | 1007 | 35 | 4.30 | -99 |
| 281 | 2116 | RC | SHOTGUN CREEK LODE | 0.48 | 0.5 | NA | 10 | -99 | NA | NA | -99 | 100 | -99 | -99 | 3.13 | 0.5 | 62 | 1616 | 17 | 2.93 | -99 |
| 281 | 2117 | G | SHOTGUN CREEK LODE | 0.42 | 4.5 | NA | 5 | 15 | NA | NA | 24 | -99 | 1.0 | -99 | 3.53 | 12 | 132 | 1225 | 4.79% | 17.10 | -99 |
| 281 | 2118 | RC | SHOTGUN CREEK LODE | 0.11 | 0.5 | NA | -99 | -99 | NA | NA | -99 | 30 | -99 | -99 | 3.33 | 0.5 | 117 | 2968 | 961 | 6.77 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 273 | 2224 | S | MCCALLIE GLACIER | 3 | 0.14 | -99 | 2.55 | 99999 | -99 | 9 | 190 | 0.17% | NA | NA | 2.37% | NA | 0.01 | -99 | -99 | 32 | 20 | 0.81% |
| 273 | 2225 | S | MCCALLIE GLACIER | 2 | 0.59 | -99 | 0.45 | 1207 | -99 | 9 | 150 | 240 | NA | NA | 780 | NA | 0.09 | -99 | -99 | 162 | 10 | 3034 |
| 273 | 2226 | G | MCCALLIE GLACIER | 2 | 1.61 | 10 | 1.17 | 370 | 14 | 58 | 440 | 72 | NA | NA | 80 | NA | 0.32 | -99 | -99 | 208 | -99 | 269 |
| 274 | 1949 | S | MCCALLIE GLACIER | -99 | 0.40 | 10 | 2.46 | 1290 | 13 | 45 | 680 | -99 | NA | NA | -99 | NA | 0.34 | -99 | -99 | 138 | 30 | 139 |
| 274 | 1950 | RC | MCCALLIE GLACIER | -99 | 0.36 | 10 | 3.69 | 1456 | -99 | 124 | 1920 | 6 | NA | NA | -99 | NA | 1.31 | -99 | -99 | 262 | 20 | 91 |
| 274 | 1951 | S | MCCALLIE GLACIER | 5 | 0.40 | -99 | 0.20 | 6868 | 5 | 10 | 30 | 2246 | NA | NA | 1890 | NA | 0.08 | -99 | -99 | 22 | 10 | 4991 |
| 275 | 2218 | S | MCCALLIE GLACIER | 1 | 0.99 | -99 | 2.32 | 8606 | -99 | 53 | 540 | 3744 | NA | NA | 2620 | NA | 0.49 | -99 | -99 | 126 | 50 | 2504 |
| 275 | 2219 | S | MCCALLIE GLACIER | 2 | 0.74 | 10 | 0.40 | 3104 | -99 | 21 | 320 | 1.25% | NA | NA | 1.44% | NA | 0.26 | 10 | -99 | 76 | 10 | 3512 |
| 275 | 2220 | G | MCCALLIE GLACIER | 4 | 0.65 | -99 | 3.12 | 2283 | -99 | 95 | 1440 | 94 | NA | NA | 130 | NA | 1.69 | -99 | -99 | 321 | 20 | 365 |
| 275 | 2221 | S | MCCALLIE GLACIER | 6 | 1.57 | -99 | 1.59 | 99999 | -99 | 60 | 990 | 1.79% | NA | NA | 1.64% | NA | 0.91 | -99 | -99 | 200 | 40 | 1.20% |
| 275 | 2222 | CC | MCCALLIE GLACIER | 1 | 0.08 | -99 | 0.81 | 211 | -99 | 25 | 250 | 6 | NA | NA | 5 | NA | 0.24 | -99 | -99 | 89 | -99 | 234 |
| 276 | 2215 | G | MCCALLIE GLACIER | -99 | 0.56 | 10 | 3.63 | 1360 | 5 | 39 | 990 | 4 | NA | NA | -99 | NA | 0.59 | -99 | -99 | 174 | 10 | 70 |
| 276 | 2216 | G | MCCALLIE GLACIER | 2 | 0.19 | 10 | 3.70 | 1403 | -99 | 91 | 1460 | -99 | NA | NA | 5 | NA | 1.72 | -99 | -99 | 334 | 10 | 92 |
| 276 | 2217 | S | MCCALLIE GLACIER | -99 | 0.10 | 10 | 0.39 | 302 | -99 | 23 | 210 | -99 | NA | NA | 5 | NA | 0.11 | -99 | -99 | 106 | -99 | 14 |
| 277 | 1952 | S | McCallie Glacier | -99 | 0.42 | -99 | 2.20 | 2453 | 1 | 27 | 340 | -99 | NA | NA | 5 | NA | 0.20 | -99 | -99 | 63 | 10 | 79 |
| 278 | 1956 | S | SHOTGUN CREEK LODE | -99 | 0.04 | 10 | 0.25 | 192 | 20 | 24 | 470 | 6 | 2 | 10 | -99 | NA | 0.07 | -99 | -99 | 68 | -99 | 66 |
| 279 | 1957 | RC | SHOTGUN CREEK LODE | -99 | -99 | -99 | 4.40 | 502 | -99 | 370 | 70 | 2 | NA | NA | -99 | NA | 0.12 | -99 | -99 | 49 | -99 | 19 |
| 280 | 1954 | S | SHOTGUN CREEK LODE | -99 | -99 | -99 | 5.67 | 497 | -99 | 1159 | 20 | -99 | 2 | 10 | 5 | NA | -99 | -99 | -99 | 18 | -99 | 30 |
| 280 | 1955 | RC | SHOTGUN CREEK LODE | 12 | -99 | -99 | 0.70 | 199 | -99 | 818 | 40 | 2 | 4 | -99 | 10 | NA | -99 | -99 | -99 | 30 | -99 | 52 |
| 281 | 2081 | G | SHOTGUN CREEK LODE | -99 | -99 | -99 | 18.82 | 712 | -99 | 1370 | -99 | -99 | 2 | 10 | -99 | NA | -99 | -99 | -99 | 13 | -99 | 17 |
| 281 | 2082 | S | SHOTGUN CREEK LODE | -99 | -99 | -99 | 5.35 | 311 | -99 | 1219 | 10 | -99 | 2 | -99 | -99 | NA | -99 | -99 | -99 | 8 | -99 | 8 |
| 281 | 2115 | RC | SHOTGUN CREEK LODE | -99 | -99 | -99 | 10.01 | 638 | -99 | 746 | 90 | 14 | 6 | -99 | -99 | NA | 0.07 | -99 | -99 | 56 | -99 | 66 |
| 281 | 2116 | RC | SHOTGUN CREEK LODE | -99 | -99 | -99 | 5.56 | 360 | -99 | 632 | 10 | 2 | 8 | 15 | -99 | NA | 0.01 | -99 | -99 | 40 | -99 | 46 |
| 281 | 2117 | G | SHOTGUN CREEK LODE | -99 | -99 | -99 | 12.66 | 1433 | -99 | 1684 | -99 | 12 | 2 | 5 | -99 | NA | -99 | -99 | -99 | 18 | -99 | 581 |
| 281 | 2118 | RC | SHOTGUN CREEK LODE | -99 | -99 | -99 | 12.90 | 976 | -99 | 1549 | -99 | -99 | 6 | 10 | -99 | NA | -99 | -99 | -99 | 16 | -99 | 60 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | 2119 | RC | SHOTGUN CREEK LODE | 0.53 | 0.5 | NA | 10 | 5 | NA | NA | NA | 40 | -99 | -99 | 0.85 | -99 | 77 | 1404 | 49 | 3.65 | -99 |
| 281 | 2120 | G | SHOTGUN CREEK LODE | 0.12 | 0.5 | NA | 20 | -99 | NA | NA | 2 | 70 | -99 | -99 | 0.20 | -99 | 74 | 953 | 20 | 8.17 | -99 |
| 282 | 2080 | S | SHOTGUN CREEK LODE | 5.89 | 0.5 | NA | -99 | -99 | NA | NA | NA | 100 | 0.5 | 4 | 11.60 | 0.5 | 43 | 579 | 759 | 5.31 | -99 |
| 283 | 2069 | CR | SHOTGUN CREEK LODE | 2.43 | 0.5 | NA | 5 | -99 | NA | NA | NA | 620 | 3.0 | 2 | 7.67 | 0.5 | 44 | 574 | 28 | 4.11 | -99 |
| 283 | 2070 | CR | SHOTGUN CREEK LODE | 0.16 | 0.5 | NA | 20 | -99 | NA | NA | 4 | -99 | 3.0 | -99 | 1.66 | -99 | 109 | 858 | 16 | 4.88 | -99 |
| 284 | 1958 | RC | PARTIN CK OCCURRENCE | 7.29 | 0.5 | NA | 325 | NA | 0.010 | NA | NA | 240 | -99 | -99 | 3.50 | -99 | 43 | 138 | 213 | 8.53 | 20 |
| 284 | 1959 | RC | PARTIN CK OCCURRENCE | 5.96 | 1.5 | NA | 390 | NA | 0.002 | NA | NA | 110 | -99 | -99 | 6.15 | -99 | 32 | 134 | 1209 | 10.84 | 20 |
| 284 | 1961 | CC | PARTIN CK OCCURRENCE | 6.78 | 1.0 | NA | 1075 | NA | 0.016 | NA | NA | 140 | -99 | -99 | 4.31 | -99 | 29 | 118 | 0.05% | 11.38 | 30 |
| 284 | 1962 | S | PARTIN CK OCCURRENCE | 1.74 | 1.0 | NA | 99999 | NA | 0.550 | NA | NA | 30 | -99 | 134 | 0.93 | -99 | 159 | 59 | 1091 | 23.31 | 10 |
| 284 | 1963 | RC | PARTIN CK OCCURRENCE | 7.33 | 1.0 | NA | 4190 | NA | 0.020 | NA | NA | 180 | -99 | -99 | 4.98 | -99 | 36 | 126 | 0.03% | 9.28 | 20 |
| 284 | 1964 | CC | PARTIN CK OCCURRENCE | 6.75 | 0.5 | NA | 99999 | NA | 0.050 | NA | NA | 160 | 0.5 | -99 | 3.32 | -99 | 47 | 104 | 0.04% | 9.52 | 20 |
| 284 | 1965 | CC | PARTIN CK OCCURRENCE | 7.31 | 0.5 | NA | 1900 | NA | 0.010 | NA | NA | 230 | 1.5 | 2 | 4.15 | -99 | 29 | 121 | 0.04% | 10.60 | -99 |
| 284 | 1966 | S | PARTIN CK OCCURRENCE | 6.42 | 0.5 | NA | 99999 | NA | 0.148 | NA | NA | 100 | 3.0 | 46 | 4.60 | -99 | 88 | 133 | 879 | 11.34 | -99 |
| 284 | 2231 | S | PARTIN CK OCCURRENCE | 5.73 | 12.0 | NA | 2145 | NA | 0.002 | NA | NA | 50 | 1.0 | 46 | 0.87 | 7.5 | 14 | 509 | 0.05% | 8.32 | -99 |
| 284 | 2232 | G | PARTIN CK OCCURRENCE | 7.09 | 0.5 | NA | 270 | NA | -99 | NA | NA | 2500 | 1.0 | 8 | 3.19 | 1 | 26 | 481 | 53 | 4.61 | 10 |
| 284 | 2233 | G | PARTIN CK OCCURRENCE | 4.74 | 0.5 | NA | 130 | NA | -99 | NA | NA | 1760 | 1.5 | 2 | 0.06 | 0.5 | 2 | 181 | 66 | 3.64 | 10 |
| 284 | 2234 | S | PARTIN CK OCCURRENCE | 1.10 | 83.0 | NA | 99999 | NA | 0.038 | NA | NA | 130 | 0.5 | -99 | 1.55 | 28.5 | 8 | 423 | 0.08% | 3.11 | -99 |
| 284 | 2235 | G | PARTIN CK OCCURRENCE | 4.71 | 0.5 | NA | 95 | NA | -99 | NA | NA | 70 | 2.0 | -99 | 3.21 | 0.5 | 33 | 149 | 1396 | 6.99 | -99 |
| 284 | 2236 | S | PARTIN CK OCCURRENCE | -99 | 21.5 | NA | 99999 | NA | 0.320 | NA | NA | 40 | 1.5 | 408 | 0.02 | 0.5 | -99 | 160 | 505 | 14.31 | -99 |
| 284 | 2237 | CR | PARTIN CK OCCURRENCE | 4.59 | 0.5 | NA | 1710 | NA | 0.012 | NA | NA | 90 | 2.5 | 2 | 14.64 | 2 | 18 | 175 | 374 | 6.76 | -99 |
| 285 | 2238 | G | PARTIN CK OCCURRENCE | 6.30 | 0.5 | NA | 160 | NA | -99 | NA | NA | 140 | 2.0 | 2 | 13.25 | 1 | 38 | 125 | 555 | 8.89 | 10 |
| 285 | 2239 | G | PARTIN CK OCCURRENCE | 7.37 | 0.5 | NA | 105 | NA | -99 | NA | NA | 270 | 2.5 | 4 | 0.61 | -99 | 1 | 84 | 5 | 0.96 | 10 |
| 285 | 2240 | G | PARTIN CK OCCURRENCE | 7.05 | 0.5 | NA | 95 | NA | -99 | NA | NA | 210 | 3.0 | 4 | 5.21 | 0.5 | 34 | 143 | 207 | 8.97 | 10 |
| 285 | 2241 | S | PARTIN CK OCCURRENCE | 0.01 | 147.0 | NA | 99999 | NA | 0.786 | NA | NA | -99 | 3.5 | 306 | 0.05 | 5.5 | 19 | 83 | 1.44% | 99999 | -99 |
| 285 | 2242 | G | PARTIN CK OCCURRENCE | 7.69 | 0.5 | NA | 580 | NA | 0.004 | NA | NA | 390 | 3.5 | -99 | 4.89 | 1 | 40 | 171 | 392 | 9.66 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 281 | 2119 | RC | SHOTGUN CREEK LODE | -99 | -99 | -99 | 11.68 | 587 | -99 | 974 | -99 | 2 | NA | NA | -99 | NA | -99 | -99 | -99 | 24 | -99 | 30 |
| 281 | 2120 | G | SHOTGUN CREEK LODE | 12 | -99 | -99 | 2.44 | 154 | -99 | 1235 | 40 | -99 | -99 | -99 | -99 | NA | -99 | -99 | -99 | 7 | -99 | 22 |
| 282 | 2080 | S | SHOTGUN CREEK LODE | 1 | 0.23 | -99 | 3.05 | 860 | -99 | 270 | 1170 | -99 | NA | NA | -99 | NA | 0.44 | -99 | -99 | 212 | -99 | 34 |
| 283 | 2069 | CR | SHOTGUN CREEK LODE | -99 | 0.07 | -99 | 7.31 | 1087 | -99 | 671 | 430 | -99 | NA | NA | -99 | NA | 0.11 | -99 | -99 | 87 | -99 | 27 |
| 283 | 2070 | CR | SHOTGUN CREEK LODE | 1 | -99 | -99 | 19.63 | 974 | -99 | 2178 | -99 | -99 | 2 | 5 | 5 | NA | -99 | -99 | -99 | 21 | -99 | 32 |
| 284 | 1958 | RC | PARTIN CK OCCURRENCE | 1 | 1.00 | 10 | 3.36 | 1148 | -99 | 72 | 930 | 2 | NA | NA | -99 | NA | 1.83 | -99 | -99 | 282 | 10 | 83 |
| 284 | 1959 | RC | PARTIN CK OCCURRENCE | -99 | 0.57 | -99 | 2.41 | 1143 | -99 | 61 | 910 | 4 | NA | NA | -99 | NA | 1.55 | -99 | -99 | 237 | 20 | 84 |
| 284 | 1961 | CC | PARTIN CK OCCURRENCE | -99 | 0.71 | 10 | 3.02 | 1361 | -99 | 58 | 750 | 2 | NA | NA | -99 | NA | 1.84 | -99 | -99 | 281 | 30 | 72 |
| 284 | 1962 | S | PARTIN CK OCCURRENCE | -99 | 0.14 | 10 | 1.00 | 381 | -99 | 104 | 10 | 2 | NA | NA | 100 | NA | 0.46 | 10 | -99 | 87 | 20 | 36 |
| 284 | 1963 | RC | PARTIN CK OCCURRENCE | 1 | 0.54 | 10 | 2.81 | 1191 | -99 | 76 | 1110 | 2 | NA | NA | -99 | NA | 1.87 | -99 | -99 | 288 | 20 | 79 |
| 284 | 1964 | CC | PARTIN CK OCCURRENCE | 2 | 0.77 | 10 | 2.32 | 828 | -99 | 49 | 1750 | 2 | NA | NA | -99 | NA | 2.13 | -99 | -99 | 271 | 30 | 45 |
| 284 | 1965 | CC | PARTIN CK OCCURRENCE | -99 | 1.28 | 10 | 3.46 | 964 | -99 | 69 | 1620 | -99 | NA | NA | -99 | NA | 2.71 | -99 | -99 | 300 | 50 | 75 |
| 284 | 1966 | S | PARTIN CK OCCURRENCE | -99 | 0.43 | 10 | 2.10 | 847 | -99 | 69 | 2150 | 6 | NA | NA | 25 | NA | 2.26 | -99 | -99 | 249 | 60 | 53 |
| 284 | 2231 | S | PARTIN CK OCCURRENCE | -99 | 1.35 | 10 | 3.52 | 464 | -99 | 91 | 1610 | 122 | NA | NA | 35 | NA | 0.32 | -99 | -99 | 145 | 80 | 199 |
| 284 | 2232 | G | PARTIN CK OCCURRENCE | -99 | 1.17 | 20 | 4.40 | 754 | -99 | 126 | 1910 | 18 | NA | NA | 15 | NA | 0.51 | -99 | -99 | 167 | -99 | 86 |
| 284 | 2233 | G | PARTIN CK OCCURRENCE | -99 | 1.40 | 20 | 0.61 | 89 | 2 | 25 | 550 | 10 | NA | NA | 20 | NA | 0.34 | -99 | -99 | 197 | -99 | 44 |
| 284 | 2234 | S | PARTIN CK OCCURRENCE | -99 | 0.43 | 10 | 0.61 | 429 | -99 | 28 | 390 | 628 | NA | NA | 560 | NA | 0.07 | -99 | -99 | 34 | -99 | 425 |
| 284 | 2235 | G | PARTIN CK OCCURRENCE | -99 | 1.85 | 20 | 1.49 | 818 | 2 | 48 | 3320 | 8 | NA | NA | 5 | NA | 0.60 | -99 | -99 | 250 | 50 | 65 |
| 284 | 2236 | S | PARTIN CK OCCURRENCE | -99 | 0.03 | -99 | 0.02 | 21 | 1 | 4 | 370 | 188 | NA | NA | 830 | NA | -99 | 20 | -99 | 11 | 30 | 35 |
| 284 | 2237 | CR | PARTIN CK OCCURRENCE | -99 | 0.38 | -99 | 0.88 | 1348 | -99 | 33 | 830 | 18 | NA | NA | -99 | NA | 0.38 | -99 | -99 | 222 | 30 | 40 |
| 285 | 2238 | G | PARTIN CK OCCURRENCE | -99 | 0.64 | -99 | 2.60 | 3512 | -99 | 77 | 1810 | 6 | NA | NA | -99 | NA | 2.22 | -99 | -99 | 254 | 50 | 146 |
| 285 | 2239 | G | PARTIN CK OCCURRENCE | -99 | 2.36 | 10 | 0.17 | 171 | 1 | 2 | 250 | 18 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 102 |
| 285 | 2240 | G | PARTIN CK OCCURRENCE | -99 | 0.79 | 10 | 2.80 | 1510 | -99 | 85 | 1190 | -99 | NA | NA | -99 | NA | 2.08 | 10 | -99 | 293 | 40 | 120 |
| 285 | 2241 | S | PARTIN CK OCCURRENCE | -99 | 0.04 | -99 | 0.03 | 18 | -99 | 13 | -99 | 144 | NA | NA | 380 | NA | 0.01 | 50 | 30 | 12 | 10 | 327 |
| 285 | 2242 | G | PARTIN CK OCCURRENCE | -99 | 1.40 | 10 | 3.89 | 1231 | -99 | 91 | 1150 | -99 | NA | NA | 5 | NA | 2.26 | -99 | -99 | 316 | 20 | 107 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285 | 2243 | G | PARTIN CK OCCURRENCE | 2.74 | 0.5 | NA | 340 | NA | -99 | NA | NA | 250 | 1.0 | 4 | 15.44 | 1 | 13 | 94 | 50 | 5.46 | -99 |
| 285 | 2244 | G | PARTIN CK OCCURRENCE | 7.24 | 0.5 | NA | 555 | NA | 0.002 | NA | NA | 370 | 2.0 | -99 | 1.61 | 2 | 55 | 131 | 556 | 10.15 | -99 |
| 285 | 2245 | S | PARTIN CK OCCURRENCE | -99 | 171.0 | NA | 99999 | NA | 1.350 | NA | NA | 10 | 2.0 | 360 | 0.05 | 10 | 163 | 84 | 8504 | 99999 | -99 |
| 285 | 2246 | G | PARTIN CK OCCURRENCE | 0.45 | 1.5 | NA | 1655 | NA | 0.008 | NA | NA | 120 | -99 | 12 | 99999 | 2.5 | 7 | 16 | 92 | 0.83 | -99 |
| 285 | 2247 | G | PARTIN CK OCCURRENCE | 0.57 | 0.5 | NA | 520 | NA | 0.004 | NA | NA | 120 | -99 | 6 | 99999 | 1 | 6 | 31 | 32 | 0.84 | -99 |
| 285 | 2248 | G | PARTIN CK OCCURRENCE | 6.75 | 0.5 | NA | 285 | NA | 0.006 | NA | NA | 870 | 2.0 | -99 | 7.66 | -99 | 33 | 122 | 42 | 7.66 | -99 |
| 285 | 2249 | G | PARTIN CK OCCURRENCE | 7.84 | 0.5 | NA | 95 | NA | -99 | NA | NA | 340 | 2.5 | -99 | 0.60 | -99 | 3 | 133 | 7 | 0.78 | -99 |
| 285 | 2250 | S | PARTIN CK OCCURRENCE | 0.09 | 150.5 | NA | 99999 | NA | 0.092 | NA | NA | 10 | 1.5 | 44 | 0.18 | 7 | 30 | 168 | 7763 | 8.84 | -99 |
| 286 | 2101 | RC | Partin Creek | 1.05 | 1.5 | NA | 5 | -99 | NA | NA | NA | 180 | -99 | -99 | 99999 | 0.5 | 11 | 16 | 546 | 0.89 | -99 |
| 286 | 2102 | G | Partin Creek | 1.41 | 14.5 | NA | 90 | 20 | NA | NA | NA | 160 | -99 | -99 | 22.65 | 0.5 | 34 | 36 | 9708 | 2.77 | -99 |
| 286 | 2103 | RC | Partin Creek | 7.82 | 0.5 | NA | -99 | -99 | NA | NA | NA | 70 | 0.5 | -99 | 7.34 | 0.5 | 29 | 315 | 193 | 5.11 | -99 |
| 286 | 2104 | RC | Partin Creek | 0.62 | 0.5 | NA | -99 | -99 | NA | NA | -99 | 10 | -99 | -99 | 11.45 | -99 | 74 | 1006 | 51 | 3.42 | -99 |
| 286 | 2105 | G | Partin Creek | 0.24 | 0.5 | NA | 5 | -99 | NA | NA | NA | 30 | 0.5 | -99 | 2.97 | -99 | 1 | 152 | 43 | 5.18 | -99 |
| 287 | 2063 | S | Partin Creek | 5.54 | -99 | NA | -99 | -99 | NA | NA | NA | 210 | -99 | -99 | 8.79 | -99 | 14 | 105 | 30 | 4.73 | 10 |
| 288 | 2064 | S | Partin Creek | 0.32 | -99 | NA | -99 | -99 | NA | NA | -99 | 20 | -99 | -99 | 5.46 | 0.5 | 85 | 1022 | 11 | 4.57 | -99 |
| 288 | 2065 | CR | Partin Creek | 1.22 | -99 | NA | 5 | -99 | NA | NA | -99 | 10 | -99 | -99 | 1.72 | 0.5 | 72 | 1217 | 10 | 4.17 | -99 |
| 288 | 2066 | CC | Partin Creek | 0.29 | -99 | NA | 10 | -99 | NA | NA | -99 | -99 | -99 | -99 | 0.04 | 0.5 | 85 | 1675 | 14 | 5.04 | -99 |
| 288 | 2067 | CC | Partin Creek | 0.28 | -99 | NA | 10 | -99 | NA | NA | -99 | 10 | -99 | -99 | 0.08 | 0.5 | 98 | 1566 | 13 | 4.51 | -99 |
| 288 | 2068 | CR | Partin Creek | 0.31 | -99 | NA | -99 | -99 | NA | NA | -99 | -99 | -99 | -99 | 0.07 | -99 | 98 | 1353 | 16 | 5.24 | -99 |
| 289 | 2077 | S | Partin Creek | 0.27 | 0.5 | NA | 30 | -99 | NA | NA | 8 | 20 | 0.5 | -99 | 1.00 | -99 | 77 | 843 | 769 | 4.13 | -99 |
| 289 | 2078 | S | Partin Creek | 0.09 | 0.5 | NA | 5 | -99 | NA | NA | 4 | 10 | -99 | -99 | 1.02 | -99 | 82 | 546 | 416 | 4.39 | -99 |
| 289 | 2079 | CC | Partin Creek | 7.29 | 0.5 | NA | 5 | -99 | NA | NA | -99 | 20 | 1.0 | -99 | 0.58 | -99 | 37 | 107 | 360 | 7.67 | -99 |
| 289 | 2114 | RC | Partin Creek | 0.39 | 0.5 | NA | 10 | -99 | NA | NA | NA | 60 | 0.5 | -99 | 5.37 | 3 | 66 | 707 | 31 | 4.74 | -99 |
| 290 | 2076 | P | SHOTGUN CREEK | 6.03 | 0.5 | NA | 160 | NA | NA | -99 | 1100 | 550 | 1.0 | -99 | 5.47 | 0.5 | 24 | 550 | 214 | 9.26 | 10 |
| 291 | 2083 | P | SHOTGUN CREEK | 5.46 | 1.0 | NA | 295 | NA | NA | 0.003 | 99999 | 580 | 1.0 | -99 | 3.68 | -99 | 23 | 1865 | 150 | 11.01 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 285 | 2243 | G | PARTIN CK OCCURRENCE | -99 | 0.76 | -99 | 1.90 | 1413 | -99 | 22 | 320 | -99 | NA | NA | 10 | NA | 0.39 | -99 | -99 | 73 | 20 | 38 |
| 285 | 2244 | G | PARTIN CK OCCURRENCE | -99 | 0.98 | 10 | 4.51 | 721 | -99 | 110 | 1070 | 4 | NA | NA | 30 | NA | 2.01 | -99 | -99 | 274 | 50 | 116 |
| 285 | 2245 | S | PARTIN CK OCCURRENCE | -99 | 0.05 | -99 | 0.03 | 13 | -99 | 23 | -99 | 96 | NA | NA | 3865 | NA | 0.01 | 20 | -99 | 4 | -99 | 302 |
| 285 | 2246 | G | PARTIN CK OCCURRENCE | -99 | 0.18 | -99 | 0.14 | 2044 | -99 | 3 | 520 | 16 | NA | NA | 25 | NA | 0.10 | -99 | -99 | 20 | -99 | 16 |
| 285 | 2247 | G | PARTIN CK OCCURRENCE | -99 | 0.24 | -99 | 0.13 | 1644 | -99 | 4 | 540 | 2 | NA | NA | 5 | NA | 0.11 | -99 | -99 | 20 | -99 | 14 |
| 285 | 2248 | G | PARTIN CK OCCURRENCE | -99 | 1.17 | -99 | 3.26 | 1343 | -99 | 81 | 800 | -99 | NA | NA | 5 | NA | 1.85 | -99 | -99 | 240 | 20 | 92 |
| 285 | 2249 | G | PARTIN CK OCCURRENCE | -99 | 1.67 | 10 | 0.10 | 339 | 1 | 5 | 170 | 20 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 83 |
| 285 | 2250 | S | PARTIN CK OCCURRENCE | -99 | 0.10 | -99 | 0.04 | 59 | 1 | 6 | -99 | 196 | NA | NA | 1745 | NA | 0.02 | -99 | -99 | 7 | -99 | 173 |
| 286 | 2101 | RC | Partin Creek | -99 | 0.17 | -99 | 1.19 | 2373 | -99 | 6 | 160 | 8 | NA | NA | -99 | NA | 0.05 | -99 | -99 | 75 | -99 | 29 |
| 286 | 2102 | G | Partin Creek | 2 | 0.13 | -99 | 4.68 | 2110 | -99 | 46 | -99 | 4 | NA | NA | 15 | NA | 0.07 | -99 | -99 | 94 | -99 | 163 |
| 286 | 2103 | RC | Partin Creek | 2 | 0.04 | -99 | 4.39 | 1720 | -99 | 141 | 470 | -99 | NA | NA | -99 | NA | 0.47 | -99 | -99 | 207 | -99 | 135 |
| 286 | 2104 | RC | Partin Creek | -99 | -99 | -99 | 10.59 | 1429 | -99 | 1299 | 40 | -99 | 8 | 10 | 5 | NA | 0.01 | -99 | -99 | 26 | -99 | 47 |
| 286 | 2105 | G | Partin Creek | 1 | 0.04 | -99 | 1.67 | 625 | -99 | 58 | 60 | -99 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 43 | -99 | 14 |
| 287 | 2063 | S | Partin Creek | -99 | 0.70 | -99 | 1.19 | 877 | -99 | 44 | 510 | 2 | NA | NA | -99 | NA | 0.44 | -99 | -99 | 121 | 10 | 63 |
| 288 | 2064 | S | Partin Creek | -99 | -99 | -99 | 17.01 | 1426 | -99 | 1394 | -99 | 2 | -99 | 5 | -99 | NA | -99 | -99 | -99 | 17 | -99 | 32 |
| 288 | 2065 | CR | Partin Creek | -99 | -99 | 10 | 15.55 | 983 | -99 | 1414 | -99 | 2 | -99 | 5 | -99 | NA | 0.14 | -99 | -99 | 44 | -99 | 35 |
| 288 | 2066 | CC | Partin Creek | -99 | -99 | -99 | 19.78 | 1033 | -99 | 1973 | -99 | 2 | -99 | 10 | -99 | NA | 0.01 | -99 | -99 | 28 | -99 | 56 |
| 288 | 2067 | CC | Partin Creek | -99 | -99 | -99 | 19.41 | 543 | -99 | 1937 | -99 | 2 | -99 | 10 | -99 | NA | -99 | -99 | -99 | 19 | -99 | 47 |
| 288 | 2068 | CR | Partin Creek | -99 | -99 | -99 | 18.93 | 636 | -99 | 1883 | -99 | 4 | 6 | 10 | -99 | NA | 0.02 | -99 | -99 | 31 | -99 | 45 |
| 289 | 2077 | S | Partin Creek | -99 | -99 | -99 | 9.63 | 637 | -99 | 1347 | -99 | -99 | -99 | 10 | -99 | NA | 0.01 | -99 | -99 | 21 | -99 | 40 |
| 289 | 2078 | S | Partin Creek | -99 | -99 | -99 | 14.53 | 781 | -99 | 1613 | -99 | -99 | 12 | 15 | -99 | NA | -99 | -99 | -99 | 9 | -99 | 24 |
| 289 | 2079 | CC | Partin Creek | 2 | 0.15 | 10 | 6.40 | 995 | -99 | 65 | 330 | -99 | 4 | 5 | -99 | NA | 0.46 | -99 | -99 | 270 | -99 | 22 |
| 289 | 2114 | RC | Partin Creek | -99 | -99 | -99 | 14.69 | 876 | -99 | 1310 | -99 | 12 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 44 | -99 | 93 |
| 290 | 2076 | P | SHOTGUN CREEK | 2 | 0.60 | -99 | 3.08 | 1062 | -99 | 93 | 760 | 30 | 12 | 10 | -99 | NA | 1.72 | 10 | -99 | 325 | 40 | 158 |
| 291 | 2083 | P | SHOTGUN CREEK | 11 | 0.57 | 10 | 2.89 | 1068 | -99 | 120 | 680 | 22 | 8 | 10 | -99 | NA | 1.38 | 20 | -99 | 345 | -99 | 168 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 292 | 1978 | P | SHOTGUN CREEK | 4.68 | 2.0 | NA | 660 | NA | NA | -99 | 6600 | 170 | 0.5 | -99 | 3.88 | 0.5 | 22 | 2037 | 279 | 16.99 | -99 |
| 293 | 2075 | P | SHOTGUN CREEK | 3.45 | -99 | NA | 15 | NA | NA | -99 | 68 | 200 | 0.5 | -99 | 0.96 | -99 | 87 | 99999 | 102 | 20.50 | 10 |
| 294 | 2158 | G | CUMMINS CLAIMS | 0.65 | 4.0 | NA | 640 | NA | 3.158 | NA | NA | 70 | 1.0 | 30 | 0.02 | -99 | 1 | 367 | 81 | 2.07 | -99 |
| 295 | 2157 | G | CUMMINS CLAIMS | 8.48 | 0.5 | NA | 1085 | 30 | NA | NA | NA | 960 | 2.5 | -99 | 0.30 | -99 | 4 | 91 | 57 | 2.29 | 10 |
| 295 | 2450 | S | CUMMINS CLAIMS | 1.31 | 1.5 | NA | 99999 | NA | 0.042 | NA | NA | 170 | 2.0 | 32 | 0.03 | -99 | 2 | 125 | 44 | 2.19 | -99 |
| 295 | 2451 | S | CUMMINS CLAIMS | 2.64 | 0.5 | NA | 695 | NA | 0.004 | NA | NA | 330 | 2.5 | -99 | 0.03 | -99 | 1 | 183 | 80 | 2.39 | -99 |
| 295 | 2452 | CH | CUMMINS CLAIMS | 2.53 | 1.5 | NA | 1695 | NA | 0.490 | NA | NA | 270 | 3.0 | 28 | 0.02 | -99 | 2 | 178 | 46 | 1.51 | -99 |
| 295 | 2453 | CH | CUMMINS CLAIMS | 0.29 | -99 | NA | 715 | NA | 0.006 | NA | NA | 30 | 0.5 | -99 | 0.01 | -99 | -99 | 219 | 44 | 0.94 | -99 |
| 295 | 2454 | CH | CUMMINS CLAIMS | 5.17 | 0.5 | NA | 190 | NA | 0.004 | NA | NA | 830 | 3.5 | 2 | 0.07 | -99 | 5 | 250 | 52 | 2.65 | -99 |
| 295 | 2455 | CH | CUMMINS CLAIMS | 3.11 | 1.0 | NA | 445 | NA | 0.103 | NA | NA | 370 | 2.5 | 6 | 0.02 | -99 | 2 | 323 | 53 | 1.66 | -99 |
| 295 | 2456 | CH | CUMMINS CLAIMS | 1.93 | 1.0 | NA | 2005 | NA | 0.020 | NA | NA | 320 | 2.0 | 8 | 0.03 | -99 | 2 | 279 | 69 | 1.57 | -99 |
| 295 | 2457 | CH | CUMMINS CLAIMS | 7.07 | -99 | NA | 3320 | NA | 0.004 | NA | NA | 1450 | 5.5 | -99 | 0.03 | -99 | 3 | 208 | 24 | 1.87 | -99 |
| 296 | 2343 | RC | CUMMINS CLAIMS | 3.12 | 8.0 | NA | 5000 | 245 | NA | NA | NA | 430 | 3.5 | 198 | 0.09 | -99 | 3 | 268 | 295 | 1.39 | -99 |
| 296 | 2344 | CR | CUMMINS CLAIMS | 0.17 | 4.0 | NA | 340 | 20 | NA | NA | NA | 20 | -99 | 36 | -99 | -99 | -99 | 248 | 41 | 0.45 | -99 |
| 296 | 2345 | CR | CUMMINS CLAIMS | 0.11 | 4.5 | NA | 30 | 1200 | 0.048 | NA | NA | 20 | 0.5 | 132 | 0.03 | -99 | 1 | 252 | 69 | 0.60 | -99 |
| 296 | 2346 | CR | CUMMINS CLAIMS | 0.12 | 78.0 | NA | 55 | 2420 | 0.064 | NA | NA | 10 | 1.5 | 358 | 0.01 | -99 | -99 | 339 | 273 | 1.82 | -99 |
| 296 | 2347 | CR | CUMMINS CLAIMS | 0.08 | 1.0 | NA | -99 | 5 | NA | NA | NA | -99 | 18.0 | 10 | 0.01 | -99 | 1 | 179 | 9 | 0.23 | -99 |
| 296 | 2348 | CR | CUMMINS CLAIMS | 0.34 | 7.0 | NA | 425 | 170 | NA | NA | NA | 50 | 0.5 | 124 | 0.01 | -99 | 2 | 209 | 23 | 0.37 | -99 |
| 296 | 2349 | S | CUMMINS CLAIMS | 7.80 | 6.0 | NA | 5990 | 50 | NA | NA | NA | 1520 | 7.5 | 32 | 0.10 | -99 | 5 | 45 | 463 | 1.20 | -99 |
| 297 | 2000 | G | CUMMINS CLAIMS | 1.89 | 3.0 | NA | 30 | 145 | NA | NA | NA | 300 | 6.5 | 40 | 0.04 | -99 | 1 | 259 | 0.02% | 1.41 | -99 |
| 297 | 2448 | CH | CUMMINS CLAIMS | 0.34 | 8.0 | NA | 765 | 275 | NA | NA | NA | 40 | -99 | 238 | 0.01 | -99 | -99 | 246 | 238 | 3.56 | -99 |
| 297 | 2449 | CH | CUMMINS CLAIMS | 0.11 | 2.5 | NA | 935 | 440 | NA | NA | NA | 10 | -99 | 38 | 0.01 | -99 | -99 | 220 | 133 | 2.67 | -99 |
| 297 | 2501 | G | CUMMINS CLAIMS | 0.18 | 1.5 | NA | 25 | 3500 | NA | NA | NA | 20 | 0.5 | 150 | 0.02 | -99 | 2 | 208 | 28 | 0.70 | -99 |
| 297 | 2502 | G | CUMMINS CLAIMS | 0.08 | 2.5 | NA | 15 | 510 | NA | NA | NA | 10 | -99 | 72 | 0.01 | -99 | 2 | 308 | 84 | 1.31 | -99 |
| 297 | 2503 | G | CUMMINS CLAIMS | 0.32 | 1.5 | NA | 35 | 645 | NA | NA | NA | 30 | -99 | 68 | 0.03 | -99 | 1 | 248 | 34 | 0.54 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 292 | 1978 | P | SHOTGUN CREEK | -99 | 0.43 | -99 | 2.77 | 1342 | -99 | 139 | 600 | 28 | 8 | -99 | 15 | NA | 1.63 | -99 | -99 | 445 | 10 | 183 |
| 293 | 2075 | P | SHOTGUN CREEK | 6 | -99 | 20 | 4.36 | 1398 | -99 | 452 | 140 | 4 | 8 | 15 | -99 | NA | 0.40 | 30 | 10 | 662 | -99 | 393 |
| 294 | 2158 | G | CUMMINS CLAIMS | -99 | 0.16 | -99 | 0.03 | 51 | 1 | 5 | 170 | 24 | NA | NA | 5 | NA | 0.01 | -99 | -99 | 11 | -99 | 50 |
| 295 | 2157 | G | CUMMINS CLAIMS | -99 | 1.03 | 20 | 0.56 | 310 | 2 | 6 | 760 | 4 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 52 | -99 | 42 |
| 295 | 2450 | S | CUMMINS CLAIMS | 1 | 0.47 | -99 | 0.08 | 35 | 7 | 3 | 650 | 16 | NA | NA | 20 | NA | 0.03 | 10 | 10 | 24 | -99 | 13 |
| 295 | 2451 | S | CUMMINS CLAIMS | 3 | 0.87 | -99 | 0.29 | 54 | 1 | 3 | 580 | 2 | NA | NA | 5 | NA | 0.09 | -99 | -99 | 52 | -99 | 17 |
| 295 | 2452 | CH | CUMMINS CLAIMS | 3 | 0.70 | -99 | 0.16 | 39 | 1 | 3 | 130 | 10 | NA | NA | 15 | NA | 0.11 | -99 | -99 | 44 | -99 | 10 |
| 295 | 2453 | CH | CUMMINS CLAIMS | -99 | 0.06 | -99 | 0.02 | 31 | 1 | 3 | 270 | -99 | NA | NA | 5 | NA | 0.01 | -99 | 10 | 7 | -99 | 7 |
| 295 | 2454 | CH | CUMMINS CLAIMS | 1 | 1.40 | 10 | 0.55 | 122 | -99 | 10 | 460 | 20 | NA | NA | 10 | NA | 0.26 | -99 | -99 | 87 | 20 | 42 |
| 295 | 2455 | CH | CUMMINS CLAIMS | -99 | 1.10 | -99 | 0.19 | 53 | -99 | 5 | 180 | 2 | NA | NA | 5 | NA | 0.13 | -99 | -99 | 54 | -99 | 21 |
| 295 | 2456 | CH | CUMMINS CLAIMS | -99 | 0.62 | -99 | 0.12 | 39 | 1 | 7 | 270 | 6 | NA | NA | 5 | NA | 0.07 | -99 | -99 | 32 | -99 | 18 |
| 295 | 2457 | CH | CUMMINS CLAIMS | 2 | 2.34 | 10 | 0.41 | 46 | -99 | 4 | 120 | 2 | NA | NA | 10 | NA | 0.35 | -99 | -99 | 121 | 30 | 7 |
| 296 | 2343 | RC | CUMMINS CLAIMS | -99 | 1.10 | 10 | 0.37 | 93 | 2 | 7 | 280 | 22 | NA | NA | 5 | NA | 0.09 | -99 | -99 | 44 | 80 | 19 |
| 296 | 2344 | CR | CUMMINS CLAIMS | -99 | 0.04 | -99 | 0.01 | 23 | 2 | 3 | 20 | 20 | NA | NA | -99 | NA | -99 | -99 | -99 | 1 | -99 | 5 |
| 296 | 2345 | CR | CUMMINS CLAIMS | -99 | 0.03 | -99 | -99 | 38 | -99 | -99 | 20 | 26 | NA | NA | -99 | NA | -99 | -99 | -99 | 3 | -99 | 6 |
| 296 | 2346 | CR | CUMMINS CLAIMS | -99 | 0.02 | -99 | -99 | 20 | 10 | 3 | 60 | 28 | NA | NA | 5 | NA | -99 | -99 | 10 | 3 | -99 | 10 |
| 296 | 2347 | CR | CUMMINS CLAIMS | -99 | 0.02 | -99 | -99 | 19 | -99 | 1 | 10 | 6 | NA | NA | -99 | NA | -99 | -99 | -99 | 1 | -99 | 3 |
| 296 | 2348 | CR | CUMMINS CLAIMS | -99 | 0.13 | -99 | 0.01 | 22 | 2 | 3 | 40 | 32 | NA | NA | 5 | NA | -99 | -99 | -99 | 3 | -99 | 2 |
| 296 | 2349 | S | CUMMINS CLAIMS | -99 | 2.73 | 20 | 0.16 | 65 | 5 | 1 | 100 | 12 | NA | NA | 5 | NA | 0.08 | -99 | -99 | 3 | 10 | 9 |
| 297 | 2000 | G | CUMMINS CLAIMS | -99 | 0.60 | -99 | 0.10 | 62 | 3 | 4 | 180 | 2 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 21 | -99 | 18 |
| 297 | 2448 | CH | CUMMINS CLAIMS | -99 | 0.10 | -99 | 0.01 | 21 | 5 | 1 | 160 | 2 | NA | NA | 5 | NA | -99 | 10 | 10 | 7 | -99 | 13 |
| 297 | 2449 | CH | CUMMINS CLAIMS | -99 | 0.01 | -99 | -99 | 18 | 3 | 3 | 100 | 42 | NA | NA | 5 | NA | -99 | -99 | -99 | 3 | -99 | 15 |
| 297 | 2501 | G | CUMMINS CLAIMS | -99 | 0.04 | -99 | -99 | 11 | 5 | 2 | 80 | 2 | NA | NA | -99 | NA | -99 | -99 | -99 | 2 | -99 | 2 |
| 297 | 2502 | G | CUMMINS CLAIMS | -99 | -99 | -99 | -99 | 13 | 1 | 3 | 50 | 16 | NA | NA | -99 | NA | -99 | 20 | -99 | 1 | -99 | 3 |
| 297 | 2503 | G | CUMMINS CLAIMS | -99 | 0.04 | -99 | 0.03 | 35 | 4 | 2 | 50 | 2 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 5 | -99 | 6 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 297 | 2504 | G | CUMMINS CLAIMS | 0.16 | 2.5 | NA | 3770 | 635 | NA | NA | NA | 20 | 0.5 | 102 | 0.01 | -99 | 71 | 309 | 97 | 1.40 | -99 |
| 297 | 2505 | G | CUMMINS CLAIMS | 0.28 | 2.0 | NA | 35 | 555 | NA | NA | NA | 30 | 0.5 | 102 | 0.01 | -99 | 1 | 196 | 46 | 1.21 | -99 |
| 297 | 2506 | G | CUMMINS CLAIMS | 0.86 | 8.0 | NA | 50 | 490 | NA | NA | NA | 130 | 1.0 | 80 | 0.02 | -99 | 2 | 280 | 291 | 2.36 | -99 |
| 297 | 2507 | G | CUMMINS CLAIMS | 9.04 | -99 | NA | 5 | -99 | NA | NA | NA | 1800 | 1.5 | -99 | 0.13 | -99 | 16 | 144 | 93 | 3.62 | -99 |
| 298 | 2340 | CR | CUMMINS CLAIMS | 7.46 | -99 | NA | 50 | -99 | NA | NA | NA | 1380 | 0.5 | -99 | 0.22 | -99 | 13 | 145 | 26 | 3.51 | -99 |
| 298 | 2341 | CR | CUMMINS CLAIMS | 5.86 | 0.5 | NA | 35 | 255 | NA | NA | NA | 880 | -99 | -99 | 0.22 | -99 | 10 | 202 | 14 | 2.84 | -99 |
| 298 | 2342 | CR | CUMMINS CLAIMS | 9.13 | -99 | NA | 65 | -99 | NA | NA | NA | 2060 | -99 | -99 | 0.20 | -99 | 12 | 136 | 21 | 3.82 | -99 |
| 299 | 2466 | P | BEAR CREEK MINING | 6.51 | -99 | NA | 35 | NA | NA | -99 | 1000 | 1270 | 1.0 | -99 | 0.47 | 0.5 | 10 | 144 | 34 | 4.81 | -99 |
| 300 | 2465 | P | BEAR CREEK MINING | 6.34 | 0.5 | NA | 160 | NA | NA | -99 | 66 | 1580 | 1.0 | -99 | 0.32 | 1 | 28 | 147 | 38 | 5.50 | -99 |
| 301 | 301 | CH | Bird Creek | 5.60 | 1.5 | NA | 1975 | NA | NA | NA | 380 | 1390 | 2.0 | 6 | 0.19 | -99 | 4 | 97 | 18 | 1.47 | -99 |
| 301 | 302 | S | Bird Creek | 4.91 | 0.5 | NA | 4205 | NA | NA | NA | 2200 | 1260 | 2.0 | 4 | 0.18 | -99 | 7 | 224 | 10 | 1.75 | -99 |
| 301 | 303 | CH | Bird Creek | 6.49 | 1.5 | NA | 1885 | NA | NA | NA | 610 | 1510 | 2.5 | 4 | 0.27 | -99 | 3 | 111 | 15 | 1.75 | -99 |
| 302 | 304 | P | Willow Creek | 5.21 | 1.5 | NA | 25 | NA | NA | 0.007 | 99999 | 630 | 1.0 | -99 | 0.11 | -99 | 13 | 125 | 54 | 6.02 | -99 |
| 303 | 2162 | G | WONDER GULCH | 4.34 | -99 | NA | 15 | NA | 0.002 | NA | NA | 1290 | 0.5 | -99 | 0.09 | -99 | 5 | 160 | 2 | 0.90 | -99 |
| 304 | 2163 | P | WONDER GULCH | 4.26 | 10.5 | NA | 35 | NA | NA | 0.001 | 99999 | 1050 | 1.0 | -99 | 0.37 | -99 | 17 | 668 | 26 | 4.18 | 10 |
| 304 | 2164 | P | WONDER GULCH | 2.26 | -99 | NA | 20 | NA | NA | 0.001 | 99999 | 420 | 0.5 | -99 | 0.23 | -99 | -99 | 1402 | 1 | 4.82 | 10 |
| 304 | 2165 | P | WONDER GULCH | 3.06 | -99 | NA | 55 | NA | NA | 0.001 | 99999 | 1260 | 1.0 | -99 | 0.19 | -99 | 19 | 1019 | 32 | 4.56 | 10 |
| 305 | 2167 | P | RAMSDYKE CREEK | 5.21 | 1.0 | NA | 185 | NA | NA | -99 | 99999 | 660 | 1.0 | -99 | 0.75 | -99 | 29 | 199 | 67 | 10.43 | 10 |
| 306 | 319 | P | WONDER GULCH | 3.39 | 0.5 | NA | 15 | NA | NA | -99 | 99999 | 580 | 1.0 | -99 | 0.13 | -99 | 5 | 127 | 12 | 2.21 | -99 |
| 307 | 2166 | P | RAMSDYKE CREEK | 5.20 | 0.5 | NA | 110 | NA | NA | 0.001 | 5000 | 1130 | 1.0 | -99 | 0.51 | -99 | 20 | 170 | 38 | 6.73 | 10 |
| 308 | 325 | P | Dandy Gulch | 1.87 | -99 | NA | -99 | NA | NA | -99 | 6000 | 420 | 1.0 | -99 | 0.09 | -99 | 6 | 312 | 5 | 1.78 | 10 |
| 308 | 326 | P | Dandy Gulch | 1.89 | -99 | NA | -99 | NA | NA | 0.001 | 860 | 440 | 1.0 | -99 | 0.11 | -99 | -99 | 148 | 3 | 2.48 | 10 |
| 308 | 327 | S | Dandy Gulch | 8.71 | 0.5 | NA | 455 | NA | NA | 0.001 | 88 | 1470 | 2.0 | 4 | 0.32 | -99 | 8 | 43 | 26 | 3.83 | -99 |
| 309 | 328 | P | Dandy Gulch | 1.83 | -99 | NA | -99 | NA | NA | 0.005 | 4000 | 620 | 0.5 | -99 | 0.05 | -99 | 4 | 114 | 7 | 0.95 | 10 |
| 309 | 329 | P | Dandy Gulch | 1.93 | -99 | NA | -99 | NA | NA | 0.006 | 1500 | 480 | 0.5 | -99 | 0.07 | -99 | 6 | 91 | 6 | 1.85 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 297 | 2504 | G | CUMMINS CLAIMS | -99 | 0.04 | -99 | -99 | 20 | 3 | 4 | 40 | 2 | NA | NA | -99 | NA | -99 | -99 | -99 | 2 | -99 | 10 |
| 297 | 2505 | G | CUMMINS CLAIMS | -99 | 0.07 | -99 | 0.03 | 23 | 2 | 4 | 60 | 2 | NA | NA | -99 | NA | 0.01 | 10 | -99 | 4 | -99 | 10 |
| 297 | 2506 | G | CUMMINS CLAIMS | -99 | 0.26 | -99 | 0.10 | 45 | 2 | 8 | 110 | 2 | NA | NA | -99 | NA | 0.04 | -99 | -99 | 15 | -99 | 18 |
| 297 | 2507 | G | CUMMINS CLAIMS | -99 | 2.87 | 10 | 1.02 | 919 | -99 | 48 | 480 | 2 | NA | NA | -99 | NA | 0.40 | -99 | -99 | 196 | 10 | 63 |
| 298 | 2340 | CR | CUMMINS CLAIMS | 2 | 1.73 | 20 | 1.10 | 986 | -99 | 47 | 950 | 20 | NA | NA | -99 | NA | 0.42 | -99 | -99 | 139 | -99 | 82 |
| 298 | 2341 | CR | CUMMINS CLAIMS | -99 | 1.08 | 10 | 0.88 | 384 | -99 | 27 | 520 | 38 | NA | NA | -99 | NA | 0.29 | -99 | -99 | 89 | -99 | 80 |
| 298 | 2342 | CR | CUMMINS CLAIMS | 5 | 2.72 | 10 | 1.13 | 794 | -99 | 43 | 750 | 4 | NA | NA | -99 | NA | 0.50 | -99 | -99 | 183 | 10 | 66 |
| 299 | 2466 | P | BEAR CREEK MINING | -99 | 1.43 | 20 | 0.91 | 2501 | 2 | 50 | 920 | 14 | -99 | 10 | -99 | NA | 0.67 | -99 | -99 | 194 | -99 | 143 |
| 300 | 2465 | P | BEAR CREEK MINING | -99 | 1.39 | 20 | 0.77 | 6038 | 2 | 63 | 760 | 24 | -99 | -99 | 10 | NA | 0.34 | -99 | -99 | 137 | -99 | 128 |
| 301 | 301 | CH | Bird Creek | -99 | 1.51 | 10 | 0.16 | 230 | 1 | 7 | 590 | 12 | -99 | -99 | 5 | NA | 0.09 | -99 | -99 | 13 | 10 | 31 |
| 301 | 302 | S | Bird Creek | -99 | 1.55 | 10 | 0.15 | 154 | 1 | 15 | 620 | 10 | -99 | -99 | -99 | NA | 0.09 | -99 | -99 | 21 | -99 | 37 |
| 301 | 303 | CH | Bird Creek | -99 | 1.81 | 10 | 0.19 | 278 | 2 | 10 | 730 | 6 | -99 | -99 | -99 | NA | 0.12 | -99 | -99 | 21 | 20 | 49 |
| 302 | 304 | P | Willow Creek | -99 | 1.26 | 10 | 0.52 | 3208 | 1 | 49 | 250 | 18 | -99 | 10 | -99 | NA | 0.33 | -99 | -99 | 113 | -99 | 137 |
| 303 | 2162 | G | WONDER GULCH | -99 | 2.07 | 10 | 0.22 | 116 | -99 | 11 | 210 | 8 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 44 | -99 | 22 |
| 304 | 2163 | P | WONDER GULCH | 1 | 0.93 | 80 | 0.47 | 99999 | 1 | 33 | 440 | 20 | -99 | -99 | -99 | NA | 1.04 | -99 | -99 | 101 | -99 | 99 |
| 304 | 2164 | P | WONDER GULCH | -99 | 0.64 | 260 | 0.28 | 4027 | -99 | 13 | 380 | 8 | -99 | 40 | -99 | NA | 3.03 | -99 | -99 | 85 | -99 | 94 |
| 304 | 2165 | P | WONDER GULCH | 9 | 0.93 | 110 | 0.32 | 99999 | 2 | 39 | 630 | 20 | -99 | -99 | -99 | NA | 1.92 | -99 | -99 | 81 | -99 | 111 |
| 305 | 2167 | P | RAMSDYKE CREEK | -99 | 1.12 | 60 | 0.78 | 99999 | 2 | 71 | 1340 | 40 | -99 | -99 | -99 | NA | 0.44 | -99 | -99 | 117 | 40 | 193 |
| 306 | 319 | P | WONDER GULCH | -99 | 0.99 | 40 | 0.31 | 1471 | 1 | 18 | 240 | 12 | -99 | -99 | -99 | NA | 0.77 | -99 | -99 | 77 | -99 | 59 |
| 307 | 2166 | P | RAMSDYKE CREEK | -99 | 1.21 | 30 | 0.67 | 99999 | 1 | 55 | 850 | 30 | -99 | -99 | -99 | NA | 0.57 | -99 | -99 | 111 | 20 | 132 |
| 308 | 325 | P | Dandy Gulch | -99 | 0.66 | 60 | 0.12 | 1106 | 1 | 11 | 210 | 10 | -99 | -99 | -99 | NA | 0.59 | 10 | -99 | 47 | -99 | 53 |
| 308 | 326 | P | Dandy Gulch | -99 | 0.76 | 60 | 0.13 | 2153 | -99 | 6 | 200 | 14 | -99 | -99 | -99 | NA | 1.84 | -99 | -99 | 58 | -99 | 46 |
| 308 | 327 | S | Dandy Gulch | 2 | 2.19 | 10 | 0.32 | 1462 | -99 | 8 | 680 | 54 | -99 | -99 | -99 | NA | 0.13 | -99 | -99 | 15 | -99 | 103 |
| 309 | 328 | P | Dandy Gulch | -99 | 0.83 | 30 | 0.09 | 620 | -99 | 7 | 250 | 12 | -99 | -99 | -99 | NA | 0.50 | -99 | -99 | 42 | -99 | 29 |
| 309 | 329 | P | Dandy Gulch | -99 | 0.79 | 40 | 0.14 | 1518 | -99 | 12 | 240 | 10 | -99 | -99 | -99 | NA | 1.12 | -99 | 10 | 53 | -99 | 47 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 310 | 330 | P | POORMAN CREEK | 2.19 | -99 | NA | -99 | NA | NA | -99 | 1500 | 600 | 0.5 | -99 | 0.03 | -99 | 4 | 70 | 7 | 0.89 | -99 |
| 310 | 331 | P | POORMAN CREEK | 3.54 | -99 | NA | 15 | NA | NA | 0.008 | 720 | 600 | 0.5 | -99 | 0.14 | -99 | 8 | 149 | 19 | 3.38 | -99 |
| 311 | 318 | P | GOLD QUEEN | 3.50 | -99 | NA | 5 | NA | NA | 0.002 | 8 | 730 | 1.0 | -99 | 0.18 | -99 | 2 | 127 | 8 | 1.68 | -99 |
| 312 | 316 | P | GOLD QUEEN | 3.17 | -99 | NA | 5 | NA | NA | 0.001 | 30 | 800 | 1.0 | -99 | 0.51 | -99 | 1 | 240 | 3 | 2.41 | 10 |
| 312 | 317 | P | GOLD QUEEN | 3.63 | -99 | NA | 10 | NA | NA | -99 | 4 | 660 | 1.0 | -99 | 0.47 | -99 | 2 | 142 | 6 | 2.58 | -99 |
| 313 | 315 | P | GOLD QUEEN | 3.24 | -99 | NA | 10 | NA | NA | -99 | 2200 | 620 | 1.0 | -99 | 0.49 | -99 | 2 | 125 | 3 | 2.37 | -99 |
| 314 | 324 | P | GOLD QUEEN | 3.15 | -99 | NA | -99 | NA | NA | -99 | 960 | 610 | 0.5 | -99 | 0.50 | -99 | 2 | 152 | 1 | 3.43 | -99 |
| 315 | 323 | P | GOLD QUEEN | 3.20 | 0.5 | NA | -99 | NA | NA | 0.001 | 18 | 590 | 0.5 | -99 | 0.70 | -99 | 1 | 202 | 1 | 3.52 | 10 |
| 316 | 310 | P | Canyon Creek | 3.59 | 0.5 | NA | 5 | NA | NA | 0.007 | 2200 | 620 | 1.0 | -99 | 0.57 | -99 | 2 | 383 | 4 | 3.15 | 10 |
| 317 | 308 | P | Canyon Creek | 1.86 | -99 | NA | 5 | NA | NA | 0.001 | 99999 | 460 | 0.5 | -99 | 0.07 | -99 | 1 | 174 | 11 | 1.87 | 10 |
| 317 | 309 | P | Canyon Creek | 2.20 | 0.5 | NA | 5 | NA | NA | 0.004 | 6600 | 470 | 0.5 | -99 | 0.10 | -99 | -99 | 202 | 4 | 3.20 | 10 |
| 318 | 306 | P | Canyon Creek | 2.31 | -99 | NA | 10 | NA | NA | 0.001 | 99999 | 730 | 1.0 | -99 | 0.13 | -99 | 29 | 598 | 50 | 3.46 | -99 |
| 318 | 307 | P | Canyon Creek | 1.77 | 7.5 | NA | 25 | NA | NA | 0.001 | 99999 | 1090 | 0.5 | -99 | 0.13 | -99 | 30 | 459 | 67 | 3.31 | -99 |
| 319 | 311 | P | Canyon Creek | 2.65 | 0.5 | NA | 20 | NA | NA | 0.001 | 14 | 920 | 0.5 | -99 | 0.22 | -99 | 35 | 794 | 55 | 3.61 | -99 |
| 320 | 312 | P | Canyon Creek | 3.09 | 0.5 | NA | -99 | NA | NA | 0.001 | 2000 | 780 | 1.0 | -99 | 0.30 | -99 | 16 | 745 | 30 | 4.17 | 10 |
| 321 | 305 | P | Canyon Creek | 5.22 | 0.5 | NA | 40 | NA | NA | -99 | 8 | 1970 | 2.0 | -99 | 0.25 | -99 | 58 | 99 | 93 | 3.99 | -99 |
| 322 | 313 | P | Canyon Creek | 3.00 | -99 | NA | 10 | NA | NA | -99 | 2000 | 490 | 0.5 | -99 | 10.23 | -99 | 5 | 143 | 23 | 1.87 | -99 |
| 323 | 314 | P | Canyon Creek | 3.43 | -99 | NA | 5 | NA | NA | 0.001 | 2500 | 700 | 1.0 | -99 | 0.23 | -99 | 10 | 165 | 21 | 2.66 | -99 |
| 323 | 322 | CC | Canyon Creek | 8.04 | 0.5 | NA | 45 | NA | NA | -99 | 40 | 1280 | 1.5 | -99 | 0.11 | -99 | 17 | 181 | 57 | 4.48 | -99 |
| 324 | 321 | P | Canyon Creek | 3.44 | 0.5 | NA | 5 | NA | NA | -99 | 480 | 600 | 1.0 | -99 | 0.32 | -99 | 4 | 127 | 13 | 2.85 | -99 |
| 325 | 320 | P | LONG CREEK | 4.23 | -99 | NA | -99 | NA | NA | -99 | 1500 | 640 | 1.0 | -99 | 0.53 | -99 | 5 | 206 | 6 | 3.74 | 10 |
| 326 | 2361 | P | EL CLAIMS | 6.43 | 0.5 | NA | 25 | NA | NA | -99 | 2000 | 780 | 1.0 | -99 | 0.42 | -99 | 14 | 212 | 26 | 4.24 | 10 |
| 327 | 2518 | G | COTTONWOOD CK HEAD | 8.40 | 1.0 | NA | -99 | -99 | NA | NA | NA | 2150 | 2.5 | 6 | 0.69 | -99 | 7 | 46 | 4 | 1.56 | -99 |
| 327 | 2519 | G | COTTONWOOD CK HEAD | 1.34 | -99 | NA | -99 | -99 | NA | NA | NA | 230 | -99 | -99 | 0.11 | -99 | 4 | 216 | 10 | 0.85 | -99 |
| 328 | 2517 | G | COTTONWOOD CK HEAD | 0.20 | -99 | NA | -99 | -99 | NA | NA | NA | 20 | -99 | 2 | 0.04 | -99 | -99 | 187 | 1 | 0.33 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX 8. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 310 | 330 | P | POORMAN CREEK | -99 | 0.99 | 10 | 0.12 | 308 | -99 | 10 | 150 | 10 | -99 | -99 | -99 | NA | 0.18 | -99 | -99 | 41 | -99 | 33 |
| 310 | 331 | P | POORMAN CREEK | -99 | 1.07 | 30 | 0.36 | 1938 | -99 | 24 | 310 | 12 | -99 | -99 | -99 | NA | 0.99 | -99 | -99 | 92 | 10 | 79 |
| 311 | 318 | P | GOLD QUEEN | -99 | 1.19 | 20 | 0.32 | 668 | 1 | 14 | 160 | 12 | -99 | -99 | -99 | NA | 0.49 | -99 | -99 | 60 | -99 | 43 |
| 312 | 316 | P | GOLD QUEEN | -99 | 1.00 | 70 | 0.42 | 1413 | -99 | 15 | 320 | 12 | -99 | -99 | -99 | NA | 1.02 | -99 | -99 | 74 | -99 | 48 |
| 312 | 317 | P | GOLD QUEEN | -99 | 1.11 | 30 | 0.42 | 1311 | -99 | 16 | 230 | 12 | -99 | -99 | -99 | NA | 0.88 | -99 | -99 | 73 | -99 | 54 |
| 313 | 315 | P | GOLD QUEEN | -99 | 1.04 | 50 | 0.42 | 1218 | -99 | 13 | 290 | 12 | -99 | -99 | -99 | NA | 1.00 | -99 | -99 | 73 | -99 | 47 |
| 314 | 324 | P | GOLD QUEEN | -99 | 1.06 | 50 | 0.44 | 1305 | -99 | 15 | 230 | 12 | -99 | -99 | -99 | NA | 1.68 | -99 | -99 | 88 | -99 | 52 |
| 315 | 323 | P | GOLD QUEEN | -99 | 1.00 | 70 | 0.58 | 1786 | -99 | 16 | 180 | 10 | -99 | -99 | -99 | NA | 1.50 | -99 | -99 | 77 | -99 | 50 |
| 316 | 310 | P | Canyon Creek | -99 | 1.11 | 60 | 0.45 | 1849 | -99 | 15 | 210 | 12 | -99 | -99 | -99 | NA | 1.31 | 10 | -99 | 79 | -99 | 44 |
| 317 | 308 | P | Canyon Creek | -99 | 0.70 | 60 | 0.13 | 1429 | -99 | 13 | 210 | 18 | -99 | -99 | -99 | NA | 1.35 | 10 | -99 | 60 | -99 | 27 |
| 317 | 309 | P | Canyon Creek | -99 | 0.75 | 100 | 0.22 | 2538 | -99 | 12 | 330 | 10 | -99 | -99 | -99 | NA | 2.10 | 20 | -99 | 58 | -99 | 51 |
| 318 | 306 | P | Canyon Creek | 5 | 0.62 | 40 | 0.28 | 99999 | 1 | 38 | 540 | 18 | -99 | -99 | -99 | NA | 1.63 | -99 | 10 | 78 | -99 | 118 |
| 318 | 307 | P | Canyon Creek | 11 | 0.54 | 40 | 0.19 | 99999 | 2 | 50 | 510 | 16 | -99 | -99 | -99 | NA | 2.16 | -99 | 10 | 67 | -99 | 133 |
| 319 | 311 | P | Canyon Creek | 5 | 0.65 | 40 | 0.38 | 99999 | 3 | 46 | 530 | 20 | -99 | -99 | -99 | NA | 1.34 | -99 | 30 | 82 | -99 | 131 |
| 320 | 312 | P | Canyon Creek | 1 | 0.74 | 70 | 0.49 | 99999 | 2 | 37 | 420 | 16 | 16 | 20 | -99 | NA | 1.70 | 10 | -99 | 104 | -99 | 111 |
| 321 | 305 | P | Canyon Creek | 6 | 1.19 | 20 | 0.70 | 99999 | 3 | 86 | 740 | 56 | -99 | -99 | 40 | NA | 0.38 | -99 | 10 | 113 | -99 | 162 |
| 322 | 313 | P | Canyon Creek | -99 | 1.05 | -99 | 0.36 | 1529 | 1 | 15 | 200 | 28 | -99 | 800 | -99 | NA | 0.42 | 10 | -99 | 51 | -99 | 34 |
| 323 | 314 | P | Canyon Creek | -99 | 0.98 | 20 | 0.44 | 99999 | 2 | 28 | 310 | 14 | -99 | -99 | -99 | NA | 0.73 | -99 | -99 | 77 | -99 | 77 |
| 323 | 322 | CC | Canyon Creek | -99 | 1.52 | 10 | 0.77 | 422 | 1 | 60 | 660 | 18 | 2 | -99 | -99 | NA | 0.38 | -99 | -99 | 167 | 10 | 134 |
| 324 | 321 | P | Canyon Creek | -99 | 0.98 | 30 | 0.50 | 1847 | -99 | 24 | 300 | 12 | -99 | -99 | -99 | NA | 0.79 | -99 | -99 | 83 | -99 | 72 |
| 325 | 320 | P | LONG CREEK | -99 | 1.08 | 60 | 0.69 | 2387 | -99 | 27 | 430 | 10 | -99 | -99 | -99 | NA | 1.61 | -99 | -99 | 117 | -99 | 78 |
| 326 | 2361 | P | EL CLAIMS | -99 | 1.37 | 40 | 1.20 | 736 | -99 | 48 | 740 | 12 | -99 | -99 | -99 | NA | 0.56 | -99 | -99 | 148 | -99 | 129 |
| 327 | 2518 | G | COTTONWOOD CK HEAD | -99 | 2.80 | 30 | 0.31 | 422 | 2 | 9 | 700 | 6 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 18 | -99 | 87 |
| 327 | 2519 | G | COTTONWOOD CK HEAD | -99 | 0.27 | -99 | 0.22 | 169 | -99 | 13 | 260 | 8 | NA | NA | -99 | NA | 0.05 | -99 | -99 | 25 | -99 | 28 |
| 328 | 2517 | G | COTTONWOOD CK HEAD | -99 | 0.04 | -99 | 0.02 | 96 | -99 | 3 | 230 | 2 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 4 | -99 | 4 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 329 | 2515 | G | Peters Hills | 0.36 | -99 | NA | -99 | -99 | NA | NA | NA | 40 | -99 | 4 | 0.02 | -99 | -99 | 132 | 3 | 0.29 | -99 |
| 330 | 2360 | P | COTTONWOOD CK HEAD | 6.24 | 2.5 | NA | 80 | NA | NA | 0.001 | 99999 | 1040 | 1.0 | -99 | 0.51 | -99 | 13 | 271 | 41 | 5.03 | 20 |
| 330 | 2520 | P | COTTONWOOD CK HEAD | 6.85 | -99 | NA | 55 | NA | NA | 0.001 | 300 | 900 | 1.0 | -99 | 0.24 | -99 | 15 | 189 | 40 | 4.42 | 10 |
| 331 | 2362 | S | COTTONWOOD CK HEAD | 6.58 | 0.5 | NA | 15 | -99 | NA | NA | NA | 1170 | 1.0 | 4 | 0.34 | -99 | 13 | 238 | 13 | 3.16 | -99 |
| 331 | 2363 | CR | COTTONWOOD CK HEAD | 6.06 | 1.0 | NA | 35 | -99 | NA | NA | NA | 1470 | 1.0 | 2 | 0.26 | -99 | 12 | 180 | 25 | 2.90 | -99 |
| 331 | 2364 | CR | COTTONWOOD CK HEAD | 5.22 | 0.5 | NA | 100 | -99 | NA | NA | NA | 1300 | 1.0 | 4 | 0.21 | -99 | 8 | 107 | 26 | 2.78 | -99 |
| 332 | 2355 | CC | Cottonwood Creek | 6.75 | 0.5 | NA | 65 | -99 | NA | NA | NA | 1250 | 1.5 | 4 | 0.78 | -99 | 5 | 59 | -99 | 0.96 | -99 |
| 332 | 2356 | CR | Cottonwood Creek | 0.15 | -99 | NA | 55 | -99 | NA | NA | NA | 100 | -99 | 2 | 0.02 | -99 | -99 | 102 | 2 | 0.17 | -99 |
| 333 | 2516 | P | Peters Hills | 7.85 | -99 | NA | 30 | NA | NA | -99 | 1500 | 860 | 1.0 | -99 | 0.78 | -99 | 19 | 190 | 41 | 5.56 | -99 |
| 334 | 2357 | CR | Bunco Creek | 1.44 | -99 | NA | 10 | -99 | NA | NA | NA | 270 | -99 | -99 | 0.22 | -99 | 5 | 143 | 7 | 0.79 | -99 |
| 334 | 2358 | CC | Bunco Creek | 1.15 | -99 | NA | 45 | -99 | NA | NA | NA | 270 | -99 | 2 | 1.27 | -99 | 4 | 210 | 9 | 0.70 | -99 |
| 334 | 2359 | CR | Bunco Creek | 6.21 | 0.5 | NA | 30 | -99 | NA | NA | NA | 1260 | 1.0 | 2 | 0.35 | -99 | 13 | 166 | 27 | 3.27 | -99 |
| 335 | 2365 | P | Peters Hills | 6.07 | 0.5 | NA | 5 | NA | NA | -99 | 2800 | 770 | 1.0 | -99 | 0.41 | -99 | 8 | 210 | 20 | 3.46 | 10 |
| 336 | 2352 | CR | INDIAN MOUNTAIN | 6.27 | -99 | NA | 115 | -99 | NA | NA | NA | 600 | 1.0 | 4 | 0.24 | -99 | 3 | 89 | 1 | 0.76 | -99 |
| 336 | 2353 | CC | INDIAN MOUNTAIN | 2.31 | -99 | NA | 40 | -99 | NA | NA | NA | 390 | 0.5 | 2 | 0.06 | -99 | -99 | 95 | -99 | 0.14 | -99 |
| 336 | 2354 | CR | INDIAN MOUNTAIN | 9.68 | 1.0 | NA | 50 | -99 | NA | NA | NA | 1610 | 1.5 | 4 | 0.12 | -99 | 9 | 143 | 18 | 4.60 | -99 |
| 337 | 2511 | G | INDIAN MOUNTAIN | 8.22 | 1.0 | NA | 10 | 10 | NA | NA | NA | 1920 | 1.0 | 2 | 0.30 | -99 | 17 | 164 | 11 | 4.54 | -99 |
| 337 | 2512 | G | INDIAN MOUNTAIN | 7.84 | 1.0 | NA | -99 | -99 | NA | NA | NA | 1170 | 3.5 | 2 | 0.85 | -99 | 2 | 41 | 1 | 2.29 | 10 |
| 337 | 2513 | CH | INDIAN MOUNTAIN | 0.61 | -99 | NA | 15 | -99 | NA | NA | NA | 40 | -99 | 2 | 0.02 | -99 | -99 | 141 | 4 | 0.26 | -99 |
| 337 | 2514 | G | INDIAN MOUNTAIN | 6.65 | 1.0 | NA | 20 | -99 | NA | NA | NA | 400 | 6.0 | 6 | 0.36 | -99 | 4 | 53 | 0.01% | 0.46 | -99 |
| 338 | 2467 | P | Indian River | 7.01 | 0.5 | NA | 40 | NA | NA | NA | 500 | 840 | 2.5 | 4 | 0.39 | -99 | 8 | 266 | 41 | 3.58 | 10 |
| 339 | 2510 | P | Portage Creek | 6.40 | -99 | NA | 25 | NA | NA | 0.002 | 1600 | 610 | 1.0 | -99 | 1.91 | -99 | 2 | 182 | 41 | 8.22 | -99 |
| 340 | 2458 | S | TREASURE CREEK LODE | 1.11 | 3.0 | NA | 5 | 330 | NA | NA | NA | 100 | 0.5 | 24 | 0.08 | -99 | 27 | 113 | 661 | 6.69 | -99 |
| 340 | 2459 | S | TREASURE CREEK LODE | 0.39 | 2.5 | NA | 40 | 340 | NA | NA | NA | 10 | 0.5 | 100 | 0.23 | 1 | 26 | 98 | 1011 | 6.68 | -99 |
| 340 | 2460 | G | TREASURE CREEK LODE | 6.53 | 0.5 | NA | -99 | 10 | NA | NA | NA | 610 | 5.0 | 4 | 0.25 | -99 | 3 | 65 | 15 | 1.17 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 329 | 2515 | G | Peters Hills | 1 | 0.07 | -99 | 0.05 | 269 | -99 | 5 | 60 | 4 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 4 | -99 | 6 |
| 330 | 2360 | P | COTTONWOOD CK HEAD | 1 | 1.48 | 70 | 1.00 | 874 | 1 | 54 | 1200 | 16 | -99 | -99 | -99 | NA | 0.53 | -99 | -99 | 159 | -99 | 131 |
| 330 | 2520 | P | COTTONWOOD CK HEAD | -99 | 1.60 | 100 | 0.90 | 817 | -99 | 58 | 940 | 16 | -99 | -99 | -99 | NA | 0.41 | -99 | -99 | 151 | -99 | 141 |
| 331 | 2362 | S | COTTONWOOD CK HEAD | -99 | 1.31 | 10 | 0.87 | 366 | -99 | 51 | 660 | 2 | NA | NA | -99 | NA | 0.25 | -99 | -99 | 96 | -99 | 86 |
| 331 | 2363 | CR | COTTONWOOD CK HEAD | -99 | 1.38 | 10 | 1.00 | 420 | 2 | 46 | 850 | 4 | NA | NA | -99 | NA | 0.29 | -99 | -99 | 126 | -99 | 99 |
| 331 | 2364 | CR | COTTONWOOD CK HEAD | -99 | 1.16 | -99 | 0.71 | 397 | 1 | 43 | 890 | 8 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 109 | -99 | 84 |
| 332 | 2355 | CC | Cottonwood Creek | -99 | 3.20 | 10 | 0.11 | 183 | 1 | 2 | 180 | 4 | NA | NA | -99 | NA | 0.09 | -99 | -99 | 1 | -99 | 28 |
| 332 | 2356 | CR | Cottonwood Creek | -99 | 0.03 | -99 | 0.02 | 136 | -99 | 1 | 100 | 8 | NA | NA | -99 | NA | -99 | -99 | -99 | 2 | -99 | 13 |
| 333 | 2516 | P | Peters Hills | -99 | 1.68 | 40 | 1.30 | 2336 | -99 | 54 | 890 | 16 | -99 | -99 | -99 | NA | 0.63 | -99 | -99 | 183 | -99 | 158 |
| 334 | 2357 | CR | Bunco Creek | -99 | 0.34 | -99 | 0.28 | 363 | -99 | 20 | 200 | 4 | NA | NA | -99 | NA | 0.05 | -99 | -99 | 28 | -99 | 35 |
| 334 | 2358 | CC | Bunco Creek | -99 | 0.24 | 10 | 0.23 | 484 | -99 | 16 | 180 | 4 | NA | NA | -99 | NA | 0.05 | -99 | -99 | 22 | -99 | 28 |
| 334 | 2359 | CR | Bunco Creek | -99 | 1.35 | 10 | 1.16 | 482 | 2 | 56 | 760 | 4 | NA | NA | -99 | NA | 0.30 | -99 | -99 | 122 | -99 | 99 |
| 335 | 2365 | P | Peters Hills | -99 | 1.38 | 40 | 1.11 | 614 | -99 | 46 | 840 | 10 | -99 | -99 | -99 | NA | 0.51 | -99 | -99 | 124 | -99 | 114 |
| 336 | 2352 | CR | INDIAN MOUNTAIN | -99 | 3.82 | 10 | 0.05 | 130 | 8 | 3 | 100 | 16 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 15 |
| 336 | 2353 | CC | INDIAN MOUNTAIN | -99 | 1.39 | -99 | 0.02 | 29 | 2 | 2 | 30 | 10 | NA | NA | -99 | NA | 0.01 | -99 | -99 | -99 | -99 | 9 |
| 336 | 2354 | CR | INDIAN MOUNTAIN | -99 | 2.25 | 20 | 1.32 | 525 | 2 | 76 | 720 | 4 | NA | NA | 5 | NA | 0.45 | -99 | -99 | 190 | 10 | 119 |
| 337 | 2511 | G | INDIAN MOUNTAIN | 1 | 2.07 | 20 | 1.62 | 1342 | 1 | 85 | 830 | 20 | NA | NA | -99 | NA | 0.44 | -99 | -99 | 202 | 10 | 123 |
| 337 | 2512 | G | INDIAN MOUNTAIN | -99 | 2.51 | 20 | 0.23 | 502 | 1 | 2 | 450 | 8 | NA | NA | -99 | NA | 0.15 | -99 | -99 | 6 | 40 | 60 |
| 337 | 2513 | CH | INDIAN MOUNTAIN | -99 | 0.14 | -99 | 0.01 | 54 | -99 | 3 | 40 | 8 | NA | NA | -99 | NA | 0.01 | -99 | -99 | 2 | -99 | 8 |
| 337 | 2514 | G | INDIAN MOUNTAIN | -99 | 3.51 | -99 | 0.02 | 66 | 2 | 2 | 60 | 16 | NA | NA | -99 | NA | 0.02 | -99 | 10 | -99 | -99 | 16 |
| 338 | 2467 | P | Indian River | -99 | 2.34 | 70 | 0.98 | 795 | 2 | 41 | 660 | 8 | -99 | -99 | -99 | NA | 0.41 | -99 | -99 | 120 | 60 | 106 |
| 339 | 2510 | P | Portage Creek | -99 | 0.88 | 110 | 1.24 | 99999 | -99 | 24 | 660 | 6 | -99 | -99 | -99 | NA | 3.11 | -99 | -99 | 183 | 70 | 120 |
| 340 | 2458 | S | TREASURE CREEK LODE | -99 | 0.22 | -99 | 0.34 | 208 | -99 | 14 | 220 | 4 | NA | NA | -99 | NA | 0.06 | 10 | -99 | 28 | -99 | 41 |
| 340 | 2459 | S | TREASURE CREEK LODE | -99 | 0.01 | -99 | 0.27 | 232 | -99 | 20 | 120 | 2 | NA | NA | -99 | NA | 0.01 | 30 | 20 | 6 | -99 | 264 |
| 340 | 2460 | G | TREASURE CREEK LODE | -99 | 3.41 | 20 | 0.01 | 40 | 1 | 1 | 40 | 24 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 31 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 340 | 2461 | G | TREASURE CREEK LODE | 6.12 | 1.0 | NA | 5 | -99 | NA | NA | NA | 340 | 4.0 | 4 | 0.35 | -99 | 3 | 60 | 3 | 0.84 | 10 |
| 340 | 2462 | G | TREASURE CREEK LODE | 5.93 | 0.5 | NA | 5 | -99 | NA | NA | NA | 280 | 3.0 | -99 | 0.17 | -99 | 2 | 31 | -99 | 0.97 | 10 |
| 340 | 2463 | CH | TREASURE CREEK LODE | 4.46 | 2.0 | NA | 395 | 40 | NA | NA | NA | 390 | 2.0 | 12 | 0.08 | 2 | 3 | 111 | 9 | 2.26 | -99 |
| 341 | 2159 | G | TREASURE CREEK LODE | 1.55 | 58.5 | NA | 99999 | 650 | NA | NA | NA | 210 | 1.5 | 1796 | 6.41 | 114.5 | 72 | 105 | 58 | 12.83 | 160 |
| 341 | 2160 | G | TREASURE CREEK LODE | 0.25 | 3.0 | NA | 3445 | 10 | NA | NA | NA | 40 | 1.0 | 84 | 0.14 | 1.5 | -99 | 144 | 5 | 0.39 | 20 |
| 341 | 2161 | G | TREASURE CREEK LODE | 1.03 | 13.0 | NA | 99999 | 160 | NA | NA | NA | 100 | 0.5 | 66 | 0.04 | -99 | 23 | 91 | 179 | 4.60 | 10 |
| 342 | 2325 | CC | MINT MINE | 5.50 | 100.0 | 2.88 | 4705 | 970 | NA | NA | NA | 390 | -99 | -99 | 0.19 | 1 | 6 | 146 | 23 | 4.24 | -99 |
| 343 | 2426 | G | MINT MINE | 5.80 | -99 | NA | -99 | 20 | NA | NA | NA | 1000 | 1.0 | -99 | 1.80 | -99 | 25 | 161 | 25 | 3.51 | 10 |
| 344 | 2418 | CH | MINT MINE | 6.58 | 1.5 | 0.03 | 285 | -99 | NA | NA | NA | 550 | 2.5 | -99 | 0.04 | -99 | 3 | 42 | 27 | 0.85 | -99 |
| 344 | 2419 | CH | MINT MINE | 6.21 | 2.5 | 0.07 | 455 | 15 | NA | NA | NA | 520 | 2.0 | -99 | 0.02 | -99 | 2 | 76 | 2 | 0.59 | -99 |
| 344 | 2420 | G | MINT MINE | 3.41 | 99999 | 56.60 | 99999 | 1350 | NA | NA | NA | 220 | -99 | -99 | 0.02 | -99 | -99 | 110 | 49 | 1.24 | -99 |
| 344 | 2421 | CR | MINT MINE | 3.59 | 156.0 | 4.49 | 5365 | 665 | NA | NA | NA | 440 | -99 | -99 | 0.02 | -99 | 3 | 194 | 32 | 1.38 | -99 |
| 344 | 2422 | CH | MINT MINE | 5.73 | 11.0 | 0.32 | 260 | -99 | NA | NA | NA | 950 | 1.5 | -99 | 0.05 | -99 | 5 | 145 | 21 | 3.58 | -99 |
| 344 | 2423 | CH | MINT MINE | 3.54 | 99999 | 28.00 | 4835 | 425 | NA | NA | NA | 410 | 1.5 | -99 | 0.03 | -99 | 3 | 161 | 35 | 1.51 | -99 |
| 344 | 2424 | S | MINT MINE | 2.22 | 99999 | 53.40 | 99999 | 3030 | NA | NA | NA | 170 | 0.5 | -99 | 0.02 | -99 | -99 | 176 | 57 | 0.95 | -99 |
| 344 | 2425 | G | MINT MINE | 4.24 | 80.0 | 2.51 | 3830 | 315 | NA | NA | NA | 340 | 1.5 | -99 | 0.05 | -99 | 9 | 199 | 36 | 2.29 | -99 |
| 345 | 2464 | P | Susitna River Trib. | 6.02 | -99 | NA | 10 | NA | NA | -99 | 2700 | 900 | 1.0 | -99 | 1.70 | -99 | 6 | 195 | 13 | 4.60 | -99 |
| 346 | 2351 | G | Silver Dome | 8.46 | 1.5 | NA | 445 | 5 | NA | NA | NA | 2440 | 1.5 | 4 | 0.81 | -99 | 18 | 238 | 55 | 4.46 | 20 |
| 347 | 2508 | G | Silver Dome | 8.26 | 1.5 | NA | 10 | -99 | NA | NA | NA | 2150 | 3.0 | 2 | 0.28 | -99 | 18 | 170 | 62 | 4.16 | -99 |
| 347 | 2509 | G | Silver Dome | 8.25 | 1.0 | NA | 25 | -99 | NA | NA | NA | 1940 | 1.5 | 2 | 0.24 | -99 | 38 | 158 | 94 | 4.86 | -99 |
| 348 | 2367 | P | Susitna River Trib. | 4.42 | 1.0 | NA | 55 | 25 | NA | NA | NA | 1010 | 1.5 | 2 | 1.92 | -99 | 7 | 237 | 135 | 2.37 | -99 |
| 349 | 2366 | P | Susitna River Trib. | 5.79 | 4.0 | NA | 545 | NA | NA | -99 | 3000 | 150 | 1.5 | 214 | 1.85 | -99 | 13 | 186 | 65 | 8.63 | 10 |
| 350 | 2368 | S | Susitna River Trib. | 6.57 | 1.0 | NA | 205 | -99 | NA | NA | NA | 520 | 3.0 | 4 | 0.46 | -99 | 3 | 90 | 11 | 0.85 | -99 |
| 350 | 2369 | CR | Susitna River Trib. | 7.79 | 2.0 | NA | 155 | 25 | NA | NA | NA | 590 | 0.5 | 4 | 0.80 | -99 | 36 | 191 | 209 | 4.96 | 10 |
| 350 | 2370 | CR | Susitna River Trib. | 6.35 | 1.5 | NA | 290 | -99 | NA | NA | NA | 1010 | 2.0 | 4 | 0.31 | -99 | 4 | 105 | 12 | 1.09 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 340 | 2461 | G | TREASURE CREEK LODE | -99 | 3.10 | 20 | -99 | 108 | 2 | 3 | 40 | 16 | NA | NA | ;99 | NA | 0.03 | -99 | -99 | -99 | -99 | 19 |
| 340 | 2462 | G | TREASURE CREEK LODE | -99 | 2.95 | 20 | 0.01 | 29 | 5 | 1 | 40 | 20 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 16 |
| 340 | 2463 | CH | TREASURE CREEK LODE | -99 | 2.23 | 10 | 0.02 | 246 | 22 | 2 | 50 | 20 | NA | NA | -99 | NA | 0.02 | -99 | -99 | -99 | -99 | 566 |
| 341 | 2159 | G | TREASURE CREEK LODE | -99 | 0.66 | 560 | 0.08 | 192 | 74 | 40 | 260 | 280 | NA | NA | 60 | NA | 0.14 | -99 | -99 | 15 | 90 | 2.65% |
| 341 | 2160 | G | TREASURE CREEK LODE | -99 | 0.09 | 60 | -99 | 36 | 27 | 2 | 30 | 16 | NA | NA | -99 | NA | -99 | -99 | -99 | -99 | -99 | 409 |
| 341 | 2161 | G | TREASURE CREEK LODE | -99 | 0.42 | 10 | 0.01 | 305 | 99999 | 2 | 210 | 180 | NA | NA | 55 | NA | -99 | 30 | 40 | -99 | 4220 | 82 |
| 342 | 2325 | CC | MINT MINE | -99 | 1.42 | -99 | 1.23 | 149 | -99 | 6 | 970 | 2 | NA | NA | 20 | NA | 0.79 | -99 | -99 | 136 | 20 | 25 |
| 343 | 2426 | G | MINT MINE | -99 | 0.79 | 10 | 1.89 | 633 | -99 | 27 | 650 | 14 | NA | NA | -99 | NA | 0.35 | -99 | -99 | 109 | -99 | 102 |
| 344 | 2418 | CH | MINT MINE | -99 | 2.54 | -99 | 0.52 | 78 | -99 | 4 | 60 | 26 | NA | NA | 55 | NA | 0.04 | -99 | -99 | 3 | -99 | 8 |
| 344 | 2419 | CH | MINT MINE | -99 | 2.73 | -99 | 0.29 | 92 | -99 | 2 | -99 | 24 | NA | NA | 60 | NA | 0.02 | -99 | -99 | -99 | -99 | 8 |
| 344 | 2420 | G | MINT MINE | -99 | 1.21 | -99 | 0.22 | 50 | -99 | 4 | 40 | 42 | NA | NA | 815 | NA | 0.02 | -99 | -99 | 4 | NA | 13 |
| 344 | 2421 | CR | MINT MINE | -99 | 1.41 | -99 | 0.22 | 44 | -99 | 9 | 260 | 28 | NA | NA | 170 | NA | 0.14 | -99 | -99 | 55 | -99 | 13 |
| 344 | 2422 | CH | MINT MINE | -99 | 1.99 | 10 | 0.70 | 227 | -99 | 17 | 450 | 10 | NA | NA | 5 | NA | 0.22 | -99 | -99 | 99 | -99 | 22 |
| 344 | 2423 | CH | MINT MINE | -99 | 1.34 | -99 | 0.32 | 91 | -99 | 11 | 170 | 18 | NA | NA | 280 | NA | 0.11 | -99 | -99 | 46 | NA | 27 |
| 344 | 2424 | S | MINT MINE | -99 | 0.80 | -99 | 0.15 | 39 | -99 | 3 | 30 | 20 | NA | NA | 620 | NA | 0.01 | -99 | -99 | 4 | NA | 20 |
| 344 | 2425 | G | MINT MINE | -99 | 1.72 | -99 | 0.30 | 76 | -99 | 40 | 350 | 2 | NA | NA | 60 | NA | 0.19 | 10 | -99 | 85 | -99 | 59 |
| 345 | 2464 | P | Susitna River Trib. | -99 | 1.13 | 50 | 1.04 | 3310 | -99 | 29 | 600 | 8 | -99 | 10 | -99 | NA | 1.06 | -99 | -99 | 158 | 10 | 99 |
| 346 | 2351 | G | Silver Dome | -99 | 2.57 | 20 | 1.96 | 1292 | 25 | 112 | 760 | 16 | NA | NA | 5 | NA | 0.50 | -99 | -99 | 182 | 80 | 154 |
| 347 | 2508 | G | Silver Dome | 1 | 2.59 | -99 | 1.31 | 1317 | 2 | 81 | 1020 | 16 | NA | NA | 5 | NA | 0.49 | -99 | -99 | 197 | -99 | 137 |
| 347 | 2509 | G | Silver Dome | 2 | 2.26 | 10 | 1.76 | 2313 | 1 | 94 | 730 | 20 | NA | NA | -99 | NA | 0.46 | -99 | -99 | 211 | -99 | 151 |
| 348 | 2367 | P | Susitna River Trib. | -99 | 0.59 | 10 | 1.24 | 631 | 1 | 30 | 510 | 12 | NA | NA | -99 | NA | 0.25 | -99 | -99 | 103 | -99 | 98 |
| 349 | 2366 | P | Susitna River Trib. | -99 | 1.19 | 20 | 1.50 | 2056 | 2 | 52 | 1130 | 50 | -99 | -99 | 5 | NA | 1.46 | -99 | -99 | 202 | 30 | 148 |
| 350 | 2368 | S | Susitna River Trib. | -99 | 3.48 | 10 | 0.03 | 205 | 1 | 4 | 60 | 68 | NA | NA | -99 | NA | 0.04 | -99 | -99 | -99 | -99 | 75 |
| 350 | 2369 | CR | Susitna River Trib. | -99 | 1.89 | 10 | 1.58 | 429 | 5 | 94 | 840 | 56 | NA | NA | -99 | NA | 0.44 | -99 | -99 | 178 | -99 | 126 |
| 350 | 2370 | CR | Susitna River Trib. | -99 | 3.06 | 30 | 0.10 | 213 | 6 | 4 | 110 | 28 | NA | NA | -99 | NA | 0.09 | -99 | -99 | 3 | -99 | 62 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 2371 | CR | Susitna River Trib. | 8.42 | 1.5 | NA | 80 | -99 | NA | NA | NA | 1680 | 1.0 | 6 | 1.15 | -99 | 18 | 183 | 24 | 4.74 | 10 |
| 350 | 2372 | CR | Susitna River Trib. | 6.42 | 1.0 | NA | 200 | -99 | NA | NA | NA | 720 | 1.0 | 10 | 0.45 | -99 | 2 | 52 | 4 | 1.01 | 10 |
| 350 | 2373 | S | Susitna River Trib. | 6.20 | 1.5 | NA | 70 | -99 | NA | NA | NA | 370 | 1.5 | 4 | 0.26 | -99 | 2 | 137 | 20 | 0.71 | 10 |
| 350 | 2521 | G | Susitna River Trib. | 6.55 | 1.0 | NA | -99 | -99 | NA | NA | NA | 580 | 1.5 | 4 | 0.21 | -99 | 3 | 99 | 7 | 1.01 | 10 |
| 350 | 2522 | G | Susitna River Trib. | 7.65 | 1.0 | NA | 30 | 5 | NA | NA | NA | 1320 | 1.0 | 4 | 0.97 | -99 | 17 | 190 | 45 | 4.08 | -99 |
| 350 | 2523 | G | Susitna River Trib. | 9.09 | 1.0 | NA | 15 | 10 | NA | NA | NA | 1910 | 1.5 | 2 | 0.77 | -99 | 15 | 146 | 53 | 4.83 | -99 |
| 351 | 2374 | P | Susitna River Trib. | 6.15 | 120.0 | NA | 155 | NA | NA | 0.002 | 92 | 590 | 0.5 | 138 | 2.14 | -99 | -99 | 205 | 41 | 9.55 | 10 |
| 352 | 2468 | P | Susitna River Trib. | 3.29 | -99 | NA | 130 | NA | NA | -99 | 120 | 320 | 0.5 | -99 | 2.15 | 0.5 | 6 | 167 | 4 | 18.44 | -99 |
| 352 | 2469 | S | Susitna River Trib. | 9.53 | 10.5 | NA | 180 | -99 | NA | NA | NA | 540 | 2.5 | 32 | 2.63 | 21 | 8 | 55 | 278 | 5.68 | 10 |
| 352 | 2470 | S | Susitna River Trib. | 7.14 | 1.5 | NA | -99 | -99 | NA | NA | NA | 1850 | 1.5 | 4 | 0.78 | -99 | 11 | 194 | 183 | 3.50 | -99 |
| 353 | 2471 | S | Susitna River Trib. | 1.15 | 13.5 | NA | 45 | 15 | NA | NA | NA | 70 | -99 | 72 | 0.22 | 1.5 | 129 | 50 | 2882 | 12.23 | -99 |
| 354 | 2057 | CR | Mt. Watana | 7.81 | 0.5 | NA | 30 | -99 | NA | NA | NA | 610 | 1.0 | -99 | 4.06 | -99 | 41 | 141 | 103 | 5.25 | -99 |
| 354 | 2060 | CR | Mt. Watana | 7.99 | -99 | NA | -99 | -99 | NA | NA | NA | 820 | 1.0 | 4 | 5.98 | -99 | 36 | 360 | 33 | 5.34 | -99 |
| 355 | 2058 | CC | Mt. Watana | 8.12 | 0.5 | NA | 20 | -99 | NA | NA | NA | 160 | 1.5 | -99 | 2.62 | -99 | 17 | 102 | 22 | 4.98 | -99 |
| 355 | 2059 | G | Mt. Watana | 5.63 | -99 | NA | 15 | 10 | NA | NA | NA | 120 | 3.5 | 2 | 5.00 | 1 | 62 | 40 | 402 | 11.80 | 10 |
| 356 | 2054 | CR | Mt. Watana | 7.91 | -99 | NA | 35 | -99 | NA | NA | NA | 630 | -99 | -99 | 5.97 | 0.5 | 50 | 153 | 105 | 5.57 | -99 |
| 356 | 2055 | CR | Mt. Watana | 7.28 | 0.5 | NA | 20 | -99 | NA | NA | NA | 100 | 1.0 | -99 | 5.39 | -99 | 45 | 125 | 156 | 6.56 | -99 |
| 357 | 2053 | G | Mt. Watana | 6.19 | -99 | NA | 15 | -99 | NA | NA | NA | 210 | 1.5 | -99 | 5.48 | 0.5 | 46 | 66 | 43 | 8.13 | 20 |
| 357 | 2056 | S | Mt. Watana | 7.55 | 0.5 | NA | -99 | -99 | NA | NA | NA | 60 | 0.5 | 2 | 10.85 | -99 | 24 | 202 | 104 | 3.50 | -99 |
| 358 | 2204 | G | UNNAMED | 9.53 | -99 | NA | -99 | -99 | NA | NA | NA | 160 | 0.5 | -99 | 4.23 | -99 | 59 | 676 | 132 | 6.10 | -99 |
| 358 | 2205 | G | UNNAMED | 7.52 | -99 | NA | 5 | -99 | NA | NA | NA | 130 | 1.0 | -99 | 7.73 | -99 | 40 | 351 | 72 | 5.25 | -99 |
| 358 | 2206 | G | UNNAMED | 7.88 | -99 | NA | -99 | -99 | NA | NA | NA | 30 | 0.5 | -99 | 12.08 | 0.5 | 44 | 343 | 81 | 5.13 | -99 |
| 359 | 2203 | S | MT. WATANA | 8.04 | -99 | NA | 25 | -99 | NA | NA | NA | 20 | 0.5 | -99 | 8.20 | -99 | 28 | 372 | 60 | 3.67 | -99 |
| 360 | 1900 | S | MT. WATANA | 6.39 | 1.0 | NA | 10 | 220 | NA | NA | NA | 20 | -99 | -99 | 5.65 | -99 | 51 | 185 | 0.23% | 7.12 | -99 |
| 360 | 2201 | CR | MT. WATANA | 5.11 | -99 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | -99 | 4.87 | -99 | 13 | 222 | 58 | 3.31 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 2371 | CR | Susitna River Trib. | -99 | 2.52 | 20 | 1.85 | 747 | -99 | 86 | 1330 | 4 | NA | NA | 5 | NA | 0.48 | -99 | -99 | 166 | 10 | 205 |
| 350 | 2372 | CR | Susitna River Trib. | -99 | 3.82 | 30 | 0.03 | 242 | 3 | -99 | 60 | 128 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 114 |
| 350 | 2373 | S | Susitna River Trib. | -99 | 3.48 | 20 | 0.01 | 96 | 4 | 2 | 60 | 24 | NA | NA | -99 | NA | 0.05 | -99 | -99 | -99 | -99 | 50 |
| 350 | 2521 | G | Susitna River Trib. | -99 | 2.78 | 30 | 0.01 | 67 | 5 | 3 | 80 | 24 | NA | NA | -99 | NA | 0.07 | -99 | -99 | -99 | -99 | 55 |
| 350 | 2522 | G | Susitna River Trib. | -99 | 1.88 | 10 | 1.54 | 722 | 2 | 71 | 960 | 28 | NA | NA | -99 | NA | 0.45 | -99 | -99 | 161 | -99 | 121 |
| 350 | 2523 | G | Susitna River Trib. | -99 | 1.96 | 10 | 1.46 | 811 | 1 | 66 | 1670 | 14 | NA | NA | -99 | NA | 0.52 | 10 | -99 | 198 | 10 | 128 |
| 351 | 2374 | P | Susitna River Trib. | -99 | 0.85 | 130 | 0.83 | 99999 | -99 | 13 | 560 | 136 | -99 | -99 | -99 | NA | 3.10 | -99 | -99 | 229 | 120 | 125 |
| 352 | 2468 | P | Susitna River Trib. | -99 | 0.49 | 20 | 1.40 | 6895 | -99 | 9 | 400 | 14 | -99 | -99 | -99 | NA | 8.10 | -99 | -99 | 797 | 60 | 262 |
| 352 | 2469 | S | Susitna River Trib. | -99 | 1.85 | 20 | 0.59 | 1934 | 11 | 8 | 620 | 264 | NA | NA | -99 | NA | 0.26 | -99 | -99 | 20 | 20 | 2121 |
| 352 | 2470 | S | Susitna River Trib. | -99 | 2.29 | 10 | 1.31 | 554 | 1 | 60 | 800 | 10 | NA | NA | -99 | NA | 0.40 | 10 | 10 | 154 | -99 | 134 |
| 353 | 2471 | S | Susitna River Trib. | -99 | 0.26 | -99 | 0.41 | 313 | 7 | 59 | 450 | 4 | NA | NA | 10 | NA | 0.01 | 30 | 10 | 25 | 10 | 302 |
| 354 | 2057 | CR | Mt. Watana | -99 | 2.16 | -99 | 3.76 | 1472 | 17 | 67 | 100 | 2 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 220 | 10 | 96 |
| 354 | 2060 | CR | Mt. Watana | -99 | 1.21 | -99 | 4.43 | 1002 | -99 | 68 | 890 | 2 | NA | NA | -99 | NA | 0.49 | -99 | -99 | 238 | 10 | 56 |
| 355 | 2058 | CC | Mt. Watana | -99 | 0.99 | -99 | 3.56 | 880 | -99 | 8 | 340 | 2 | NA | NA | -99 | NA | 0.50 | -99 | -99 | 303 | 10 | 40 |
| 355 | 2059 | G | Mt. Watana | 1 | 0.32 | 10 | 1.94 | 1673 | -99 | 25 | 1480 | 2 | NA | NA | -99 | NA | 2.49 | -99 | -99 | 459 | 50 | 153 |
| 356 | 2054 | CR | Mt. Watana | -99 | 0.83 | -99 | 3.50 | 940 | -99 | 95 | 120 | 2 | NA | NA | -99 | NA | 0.22 | -99 | -99 | 211 | 10 | 56 |
| 356 | 2055 | CR | Mt. Watana | -99 | 0.07 | -99 | 3.10 | 943 | -99 | 28 | 230 | 2 | NA | NA | -99 | NA | 0.41 | -99 | -99 | 322 | 20 | 59 |
| 357 | 2053 | G | Mt. Watana | 1 | 0.15 | -99 | 1.55 | 1233 | -99 | 6 | 860 | 2 | NA | NA | -99 | NA | 0.94 | -99 | -99 | 264 | 20 | 131 |
| 357 | 2056 | S | Mt. Watana | 2 | 0.03 | -99 | 1.36 | 812 | -99 | 51 | 110 | 2 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 146 | 10 | 25 |
| 358 | 2204 | G | UNNAMED | -99 | 0.46 | -99 | 5.30 | 853 | -99 | 203 | 130 | 2 | NA | NA | -99 | NA | 0.29 | -99 | -99 | 282 | -99 | 48 |
| 358 | 2205 | G | UNNAMED | -99 | 0.47 | -99 | 4.74 | 1054 | -99 | 106 | 130 | 2 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 222 | -99 | 43 |
| 358 | 2206 | G | UNNAMED | -99 | 0.11 | -99 | 3.52 | 1168 | -99 | 96 | 130 | 2 | NA | NA | -99 | NA | 0.18 | -99 | -99 | 206 | 10 | 35 |
| 359 | 2203 | S | MT. WATANA | -99 | 0.04 | -99 | 2.14 | 649 | -99 | 79 | 120 | 2 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 136 | -99 | 30 |
| 360 | 1900 | S | MT. WATANA | 2 | 0.04 | 10 | 3.34 | 1117 | -99 | 74 | 510 | 2 | NA | NA | -99 | NA | 1.09 | -99 | -99 | 283 | 40 | 74 |
| 360 | 2201 | CR | MT. WATANA | -99 | 0.01 | -99 | 0.74 | 314 | -99 | 22 | 60 | 2 | NA | NA | -99 | NA | 0.06 | -99 | -99 | 138 | -99 | 12 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 2202 | CR | MT. WATANA | 4.55 | -99 | NA | -99 | -99 | NA | NA | NA | 10 | -99 | 6 | 23.78 | -99 | 16 | 105 | 32 | 2.28 | -99 |
| 361 | 1548 | P | Black River | 3.45 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 250 | -99 | -99 | 1.88 | 0.5 | -99 | 137 | 3 | 99999 | -99 |
| 362 | 1623 | P | BUSCH CREEK | 4.07 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 210 | -99 | -99 | 2.23 | 0.5 | -99 | 117 | 1 | 99999 | -99 |
| 363 | 1622 | P | BUSCH CREEK | 3.52 | -99 | NA | -99 | NA | NA | 0.001 | 4600 | 370 | 0.5 | -99 | 1.87 | 1 | -99 | 160 | -99 | 99999 | -99 |
| 364 | 1621 | P | BUSCH CREEK | 5.29 | -99 | NA | -99 | NA | NA | -99 | 99999 | 260 | 0.5 | -99 | 2.76 | 0.5 | -99 | 117 | 3 | 17.84 | -99 |
| 365 | 1620 | P | BUSCH CREEK | 5.83 | -99 | NA | -99 | NA | NA | -99 | 99999 | 270 | -99 | -99 | 3.67 | -99 | -99 | 236 | 4 | 16.79 | 10 |
| 366 | 1707 | P | B & M 1 - 4 | 4.04 | -99 | NA | -99 | NA | NA | -99 | 99999 | 310 | 0.5 | -99 | 2.28 | 0.5 | -99 | 125 | 4 | 22.87 | -99 |
| 367 | 1502B | P | B & M 1 - 4 | 6.16 | 0.5 | NA | -99 | NA | NA | 0.007 | 7000 | 300 | -99 | -99 | 3.39 | -99 | 1 | 296 | 3 | 11.28 | -99 |
| 367 | 1502 | P | B & M 1 - 4 | -99 | -99 | NA | -99 | NA | NA | 0.007 | 800 | 200 | -99 | -99 | 0.30 | -99 | -99 | 171 | 6 | 99999 | -99 |
| 367 | 1716 | P | B & M 1 - 4 | 2.86 | -99 | NA | -99 | NA | NA | 0.006 | 99999 | 180 | 0.5 | -99 | 1.62 | 1 | -99 | 122 | -99 | 99999 | -99 |
| 367 | 1717 | P | B & M 1 - 4 | 3.85 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 330 | -99 | -99 | 1.86 | 0.5 | -99 | 106 | 1 | 99999 | -99 |
| 368 | 1718 | S | B & M 1 - 4 | 1.72 | 0.5 | NA | 5 | NA | 2.452 | NA | 99999 | 30 | 2.0 | -99 | 0.80 | -99 | 31 | 229 | 10 | 99999 | 20 |
| 369 | 1630 | P | B & M 1 - 4 | 2.02 | -99 | NA | -99 | NA | NA | -99 | 99999 | 250 | -99 | -99 | 1.39 | 1 | -99 | 207 | -99 | 99999 | -99 |
| 370 | 1562 | P | B & M 1 - 4 | 2.49 | -99 | NA | -99 | NA | NA | -99 | 680 | 230 | -99 | -99 | 1.38 | 1 | -99 | 159 | -99 | 99999 | -99 |
| 371 | 1679B | P | B & M 1 - 4 | -99 | -99 | NA | -99 | NA | NA | 0.003 | 300 | 360 | -99 | -99 | 0.34 | 1.5 | -99 | 217 | 4 | 99999 | -99 |
| 371 | 1706B | P | B & M 1 - 4 | 5.88 | -99 | NA | -99 | NA | NA | 0.012 | 8000 | 310 | 0.5 | -99 | 2.81 | -99 | -99 | 178 | -99 | 9.69 | 10 |
| 371 | 1501 | P | B & M 1 - 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 371 | 1679 | P | B & M 1 - 4 | 6.20 | -99 | NA | -99 | NA | NA | 0.003 | 3000 | 400 | 0.5 | -99 | 2.55 | -99 | 4 | 146 | 5 | 6.79 | 10 |
| 371 | 1680 | P | B & M 1 - 4 | 5.56 | -99 | NA | -99 | NA | NA | NA | 99999 | 410 | 0.5 | -99 | 2.70 | -99 | -99 | 166 | 4 | 13.14 | -99 |
| 371 | 1680 | P | B & M 1 - 4 | -99 | -99 | NA | -99 | NA | NA | 0.003 | 24 | 270 | -99 | -99 | 0.30 | 2 | -99 | 212 | 4 | 99999 | -99 |
| 371 | 1706 | P | B & M 1 - 4 | -99 | -99 | NA | -99 | NA | NA | 0.012 | 1300 | 260 | -99 | -99 | 0.24 | 1.5 | -99 | 184 | 3 | 99999 | -99 |
| 371 | 1805 | P | B & M 1 - 4 | 2.16 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 430 | -99 | -99 | 1.58 | 0.5 | -99 | 302 | 95 | 99999 | -99 |
| 372 | 1677 | S | B & M 1 - 4 | 9.15 | 0.5 | NA | -99 | NA | NA | NA | 1700 | 10 | -99 | 4 | 2.10 | 3.5 | 47 | 420 | 8 | 17.97 | 20 |
| 372 | 1678 | S | B & M 1 - 4 | 9.07 | 0.5 | NA | -99 | NA | NA | NA | 2500 | 70 | -99 | 4 | 6.40 | 1.5 | 52 | 547 | 15 | 13.77 | 20 |
| 373 | 1563 | P | B & M 1 - 4 | 4.65 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 220 | -99 | -99 | 3.06 | 1 | -99 | 374 | 8 | 19.93 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 360 | 2202 | CR | MT. WATANA | -99 | 0.04 | -99 | 0.77 | 368 | -99 | 17 | 160 | 2 | NA | NA | -99 | NA | 0.06 | -99 | -99 | 153 | -99 | 9 |
| 361 | 1548 | P | Black River | 1 | 0.47 | -99 | 0.66 | 3229 | -99 | 12 | 480 | 2 | -99 | -99 | 10 | NA | 2.44 | -99 | -99 | 1039 | NA | 187 |
| 362 | 1623 | P | BUSCH CREEK | -99 | 0.21 | 10 | 0.69 | 3362 | -99 | 14 | 490 | 2 | -99 | -99 | 5 | NA | 1.62 | -99 | -99 | 653 | NA | 142 |
| 363 | 1622 | P | BUSCH CREEK | -99 | 0.15 | 40 | 0.74 | 6659 | -99 | 13 | 550 | 2 | -99 | -99 | 10 | NA | 2.32 | -99 | -99 | 730 | NA | 154 |
| 364 | 1621 | P | BUSCH CREEK | -99 | 0.28 | 20 | 0.95 | 3517 | -99 | 15 | 570 | 2 | -99 | -99 | 5 | NA | 1.40 | -99 | -99 | 470 | 90 | 115 |
| 365 | 1620 | P | BUSCH CREEK | -99 | 0.21 | 90 | 1.66 | 8295 | -99 | 16 | 640 | 2 | -99 | -99 | 5 | NA | 2.23 | 10 | -99 | 433 | 80 | 126 |
| 366 | 1707 | P | B & M 1 - 4 | -99 | 0.35 | 10 | 0.90 | 4035 | -99 | 16 | 540 | 2 | -99 | -99 | 5 | NA | 1.68 | -99 | -99 | 608 | 120 | 137 |
| 367 | 1502B | P | B & M 1 - 4 | -99 | 0.34 | 50 | 1.43 | 5823 | -99 | 20 | 640 | 2 | -99 | -99 | 5 | NA | 2.81 | -99 | -99 | 309 | 50 | 103 |
| 367 | 1502 | P | B & M 1 - 4 | -99 | 0.05 | -99 | 0.15 | 1381 | -99 | 20 | 280 | 2 | -99 | -99 | 20 | NA | 0.85 | -99 | -99 | 1716 | NA | 268 |
| 367 | 1716 | P | B & M 1 - 4 | -99 | 0.13 | 10 | 0.68 | 6388 | -99 | 15 | 630 | 2 | -99 | -99 | 5 | NA | 2.92 | -99 | -99 | 714 | NA | 167 |
| 367 | 1717 | P | B & M 1 - 4 | -99 | 0.23 | 10 | 0.72 | 2729 | -99 | 16 | 460 | 2 | -99 | -99 | 10 | NA | 1.12 | -99 | -99 | 724 | NA | 141 |
| 368 | 1718 | S | B & M 1 - 4 | -99 | 0.03 | 50 | 0.41 | 7679 | -99 | 7 | 700 | -99 | -99 | -99 | 10 | 2 | 2.48 | -99 | -99 | 1176 | -99 | 141 |
| 369 | 1630 | P | B & M 1 - 4 | -99 | 0.09 | 20 | 0.59 | 4879 | -99 | 13 | 450 | 2 | -99 | 480 | 15 | NA | 2.60 | -99 | -99 | 868 | NA | 185 |
| 370 | 1562 | P | B & M 1 - 4 | -99 | 0.11 | 30 | 0.53 | 3846 | -99 | 8 | 320 | 2 | -99 | -99 | 15 | NA | 1.79 | -99 | -99 | 867 | NA | 177 |
| 371 | 1679B | P | B & M 1 - 4 | 2 | 0.02 | -99 | 0.12 | 1432 | -99 | 17 | -99 | 2 | -99 | -99 | 25 | NA | 0.75 | -99 | -99 | 1632 | NA | 262 |
| 371 | 1706B | P | B & M 1 - 4 | -99 | 0.29 | 50 | 1.10 | 5776 | -99 | 13 | 700 | 2 | -99 | -99 | 5 | NA | 2.84 | -99 | -99 | 252 | 50 | 97 |
| 371 | 1501 | P | B & M 1 - 4 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 371 | 1679 | P | B & M 1 - 4 | 1 | 0.48 | 10 | 0.96 | 3766 | -99 | 13 | 440 | 2 | -99 | -99 | -99 | NA | 1.49 | -99 | -99 | 178 | 30 | 72 |
| 371 | 1680 | P | B & M 1 - 4 | -99 | 0.43 | 10 | 0.92 | 3987 | -99 | 12 | 620 | 2 | -99 | -99 | 5 | NA | 1.71 | -99 | -99 | 346 | 60 | 103 |
| 371 | 1680 | P | B & M 1 - 4 | -99 | 0.03 | -99 | 0.13 | 1449 | -99 | 16 | -99 | 2 | 16 | 680 | 25 | NA | 0.72 | -99 | -99 | 1480 | NA | 251 |
| 371 | 1706 | P | B & M 1 - 4 | 3 | 0.06 | -99 | 0.09 | 1241 | -99 | 16 | -99 | 2 | -99 | -99 | 35 | NA | 0.43 | -99 | -99 | 1720 | NA | 262 |
| 371 | 1805 | P | B & M 1 - 4 | -99 | 0.09 | 40 | 0.77 | 4910 | -99 | 16 | 520 | 2 | -99 | 15 | 10 | NA | 3.41 | -99 | -99 | 958 | NA | 207 |
| 372 | 1677 | S | B & M 1 - 4 | 29 | 0.02 | 140 | 2.20 | 99999 | -99 | 10 | 550 | -99 | -99 | -99 | -99 | 3 | 0.82 | -99 | -99 | 155 | 20 | 67 |
| 372 | 1678 | S | B & M 1 - 4 | 38 | 0.17 | 140 | 3.65 | 99999 | -99 | 45 | 1025 | -99 | -99 | -99 | -99 | 26 | 1.35 | -99 | -99 | 302 | 20 | 110 |
| 373 | 1563 | P | B & M 1 - 4 | 1 | 0.23 | 40 | 1.37 | 6858 | -99 | 24 | 370 | 2 | -99 | -99 | 5 | NA | 3.06 | -99 | -99 | 551 | 80 | 139 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 374 | 1703B | P | B & M 1 - 4 | 5.63 | -99 | NA | 5 | NA | NA | 0.002 | 99999 | 490 | 0.5 | -99 | 2.53 | -99 | -99 | 190 | 8 | 6.90 | -99 |
| 374 | 1704B | P | B & M 1 - 4 | 6.32 | -99 | NA | -99 | NA | NA | 0.006 | 99999 | 350 | 1.0 | -99 | 3.49 | -99 | 3 | 134 | 4 | 7.82 | -99 |
| 374 | 1705B | P | B & M 1 - 4 | 0.13 | -99 | NA | -99 | NA | NA | 0.012 | 86 | 610 | -99 | -99 | 0.39 | 1.5 | -99 | 171 | 4 | 99999 | -99 |
| 374 | 1702 | G | B & M 1 - 4 | 7.19 | 0.5 | NA | -99 | NA | NA | NA | NA | 300 | -99 | -99 | 6.74 | 0.5 | 37 | 198 | 143 | 7.21 | -99 |
| 374 | 1703 | P | B & M 1 - 4 | 0.14 | -99 | NA | -99 | NA | NA | 0.002 | 4600 | 280 | -99 | -99 | 0.34 | 1.5 | -99 | 331 | 4 | 99999 | -99 |
| 374 | 1704 | P | B & M 1 - 4 | 0.12 | -99 | NA | -99 | NA | NA | 0.006 | 99999 | 350 | 0.5 | -99 | 0.41 | 1 | -99 | 154 | 3 | 99999 | -99 |
| 374 | 1705 | P | B & M 1 - 4 | 5.56 | -99 | NA | -99 | NA | NA | 0.012 | 4000 | 260 | 0.5 | -99 | 3.69 | -99 | 3 | 176 | 2 | 9.29 | -99 |
| 375 | 1806 | P | Busch Creek | 0.90 | -99 | NA | -99 | NA | NA | -99 | 140 | 370 | -99 | -99 | 0.95 | 0.5 | -99 | 115 | -99 | 99999 | -99 |
| 376 | 1514 | CR | OLD GOLD | 6.85 | 0.5 | NA | -99 | -99 | NA | NA | NA | 590 | -99 | -99 | 1.21 | -99 | -99 | 87 | 2 | 1.30 | -99 |
| 376 | 1515 | CR | OLD GOLD | 6.96 | 0.5 | NA | -99 | 20 | NA | NA | NA | 670 | 0.5 | 2 | 0.90 | 0.5 | -99 | 133 | 11 | 1.08 | -99 |
| 376 | 1516 | CR | OLD GOLD | 7.01 | 0.5 | NA | -99 | -99 | NA | NA | NA | 630 | 0.5 | -99 | 1.17 | -99 | 9 | 195 | 6 | 1.39 | -99 |
| 377 | 1517 | CR | OLD GOLD | 6.44 | 0.5 | NA | -99 | 90 | NA | NA | NA | 940 | -99 | 4 | 0.52 | 1 | -99 | 164 | 4 | 0.56 | -99 |
| 378 | 1809 | G | OLD GOLD | 8.01 | 0.5 | NA | 20 | -99 | NA | NA | NA | 530 | -99 | 8 | 3.18 | 1 | 27 | 183 | 5 | 4.14 | 10 |
| 378 | 1810 | G | OLD GOLD | 7.68 | 0.5 | NA | -99 | -99 | NA | NA | NA | 300 | -99 | 10 | 1.90 | -99 | 24 | 114 | 10 | 3.13 | 10 |
| 378 | 1811 | G | OLD GOLD | 8.33 | 0.5 | NA | -99 | -99 | NA | NA | NA | 520 | -99 | 8 | 3.24 | 0.5 | 24 | 85 | 10 | 3.91 | 10 |
| 378 | 1812 | G | OLD GOLD | 6.88 | 0.5 | NA | 5 | -99 | NA | NA | NA | 640 | 0.5 | 6 | 1.16 | 0.5 | 11 | 67 | -99 | 1.35 | -99 |
| 378 | 1813 | G | OLD GOLD | 7.21 | 0.5 | NA | 5 | -99 | NA | NA | NA | 660 | 0.5 | 4 | 1.08 | 0.5 | 12 | 78 | 1 | 1.44 | -99 |
| 379 | 1637 | P | Black River Trib. | 6.36 | -99 | NA | -99 | NA | NA | -99 | 1200 | 410 | 0.5 | -99 | 2.94 | -99 | 9 | 190 | 24 | 13.13 | -99 |
| 380 | 1635 | P | Black River Trib. | 5.40 | -99 | NA | -99 | NA | NA | -99 | 26 | 360 | 0.5 | -99 | 3.32 | 0.5 | 8 | 186 | 52 | 22.35 | -99 |
| 381 | 1633 | S | Black River | 6.48 | 0.5 | NA | -99 | -99 | NA | NA | NA | 280 | -99 | 2 | 3.17 | -99 | 17 | 22 | 19 | 6.96 | 10 |
| 382 | 1541 | S | Black River | 6.50 | 5.5 | NA | -99 | 150 | NA | NA | NA | 10 | -99 | 6 | 3.76 | -99 | 42 | 126 | 0.69% | 3.84 | 10 |
| 382 | 1542 | S | Black River | 7.97 | 0.5 | NA | -99 | 75 | NA | NA | NA | 140 | -99 | -99 | 5.23 | 0.5 | 47 | 67 | 323 | 5.82 | -99 |
| 382 | 1543 | P | Black River | 4.87 | -99 | NA | -99 | NA | NA | -99 | 70 | 360 | 0.5 | -99 | 1.81 | -99 | 2 | 123 | 21 | 19.79 | -99 |
| 383 | 1544 | CC | Black River | 3.73 | 0.5 | NA | -99 | 15 | NA | NA | NA | 370 | -99 | -99 | 3.62 | -99 | 9 | 262 | 6 | 1.87 | -99 |
| 383 | 1545 | CR | Black River | 9.77 | 0.5 | NA | -99 | -99 | NA | NA | NA | 680 | -99 | -99 | 5.55 | 0.5 | 18 | 43 | 6 | 3.81 | 10 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 374 | 1703B | P | B & M 1 - 4 | -99 | 0.58 | 30 | 0.94 | 4373 | -99 | 15 | 530 | 2 | -99 | -99 | 5 | NA | 2.61 | -99 | -99 | 185 | 30 | 79 |
| 374 | 1704B | P | B & M 1 - 4 | -99 | 0.35 | 20 | 1.35 | 3823 | -99 | 18 | 680 | 2 | -99 | -99 | -99 | NA | 1.91 | 10 | -99 | 209 | 40 | 87 |
| 374 | 1705B | P | B & M 1 - 4 | -99 | 0.03 | -99 | 0.16 | 1495 | -99 | 19 | -99 | 2 | -99 | -99 | 15 | NA | 0.73 | -99 | -99 | 1537 | NA | 252 |
| 374 | 1702 | G | B & M 1 - 4 | 2 | 0.45 | 10 | 2.77 | 1147 | -99 | 103 | 550 | 6 | NA | NA | -99 | NA | 0.95 | -99 | -99 | 305 | -99 | 108 |
| 374 | 1703 | P | B & M 1 - 4 | 1 | 0.02 | -99 | 0.16 | 1596 | -99 | 19 | -99 | 2 | -99 | -99 | 30 | NA | 1.10 | -99 | -99 | 1428 | NA | 252 |
| 374 | 1704 | P | B & M 1 - 4 | -99 | 0.02 | -99 | 0.16 | 1765 | -99 | 15 | 30 | 2 | 12 | 20 | 25 | NA | 0.89 | -99 | -99 | 1474 | NA | 243 |
| 374 | 1705 | P | B & M 1 - 4 | -99 | 0.32 | 20 | 1.75 | 5179 | -99 | 24 | 580 | 2 | -99 | -99 | -99 | NA | 2.78 | -99 | -99 | 258 | 50 | 102 |
| 375 | 1806 | P | Busch Creek | -99 | 0.05 | 10 | 0.32 | 2634 | -99 | 9 | 460 | 2 | -99 | -99 | 15 | NA | 1.54 | -99 | -99 | 930 | NA | 207 |
| 376 | 1514 | CR | OLD GOLD | -99 | 2.13 | 10 | 0.20 | 381 | -99 | 2 | 230 | 2 | NA | NA | -99 | -99 | 0.12 | -99 | -99 | 9 | -99 | 30 |
| 376 | 1515 | CR | OLD GOLD | -99 | 3.03 | 10 | 0.15 | 399 | -99 | 1 | 170 | 8 | NA | NA | -99 | -99 | 0.09 | -99 | -99 | 5 | -99 | 30 |
| 376 | 1516 | CR | OLD GOLD | -99 | 2.25 | 10 | 0.22 | 330 | 2 | 5 | 200 | 2 | NA | NA | -99 | -99 | 0.13 | -99 | -99 | 10 | -99 | 15 |
| 377 | 1517 | CR | OLD GOLD | -99 | 3.40 | 20 | 0.06 | 164 | 1 | 1 | 170 | 2 | NA | NA | -99 | -99 | 0.04 | -99 | -99 | -99 | -99 | 13 |
| 378 | 1809 | G | OLD GOLD | -99 | 1.52 | 20 | 1.48 | 742 | 2 | 8 | 550 | 4 | NA | NA | -99 | -99 | 0.39 | -99 | -99 | 125 | -99 | 49 |
| 378 | 1810 | G | OLD GOLD | 3 | 1.60 | 20 | 1.37 | 631 | 3 | 10 | 520 | 4 | NA | NA | -99 | -99 | 0.33 | -99 | -99 | 102 | -99 | 60 |
| 378 | 1811 | G | OLD GOLD | -99 | 1.47 | 20 | 1.54 | 668 | 5 | 9 | 580 | 2 | NA | NA | -99 | -99 | 0.40 | -99 | -99 | 124 | -99 | 55 |
| 378 | 1812 | G | OLD GOLD | -99 | 2.22 | 10 | 0.29 | 446 | -99 | 1 | 240 | 2 | NA | NA | -99 | -99 | 0.12 | -99 | -99 | 17 | -99 | 26 |
| 378 | 1813 | G | OLD GOLD | -99 | 1.99 | 20 | 0.36 | 502 | 1 | 9 | 290 | 2 | NA | NA | -99 | -99 | 0.14 | -99 | -99 | 21 | -99 | 28 |
| 379 | 1637 | P | Black River Trib. | -99 | 0.81 | 10 | 1.27 | 1582 | -99 | 16 | 480 | 2 | -99 | -99 | 5 | NA | 1.01 | 10 | -99 | 514 | 60 | 108 |
| 380 | 1635 | P | Black River Trib. | -99 | 0.60 | 10 | 1.30 | 1276 | -99 | 13 | 620 | 2 | -99 | -99 | 5 | NA | 0.82 | -99 | -99 | 958 | 110 | 118 |
| 381 | 1633 | S | Black River | -99 | 0.97 | 20 | 0.72 | 1093 | 3 | 2 | 2910 | 2 | NA | NA | -99 | NA | 0.53 | -99 | -99 | 6 | 10 | 102 |
| 382 | 1541 | S | Black River | -99 | 0.04 | 30 | 0.93 | 383 | 4 | 15 | 160 | 2 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 103 | 30 | 41 |
| 382 | 1542 | S | Black River | -99 | 0.58 | 20 | 3.92 | 1318 | 8 | 50 | 260 | 2 | NA | NA | -99 | NA | 0.38 | -99 | -99 | 166 | -99 | 69 |
| 382 | 1543 | P | Black River | -99 | 1.08 | 20 | 0.73 | 2038 | 1 | 9 | 850 | 4 | -99 | -99 | 10 | NA | 1.56 | -99 | -99 | 754 | 90 | 215 |
| 383 | 1544 | CC | Black River | -99 | 1.23 | 10 | 0.43 | 339 | 2 | 4 | 210 | 2 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 37 | -99 | 12 |
| 383 | 1545 | CR | Black River | -99 | 2.60 | 20 | 0.91 | 609 | 1 | 8 | 540 | 2 | NA | NA | -99 | NA | 0.33 | -99 | -99 | 103 | -99 | 24 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 384 | 1546 | P | Black River | 2.87 | -99 | NA | -99 | NA | NA | -99 | 140 | 410 | -99 | -99 | 1.53 | 1 | -99 | 144 | 31 | 99999 | -99 |
| 385 | 1547 | G | Black River | 13.61 | 0.5 | NA | -99 | 25 | NA | NA | NA | 80 | -99 | -99 | 8.40 | -99 | 21 | 70 | 26 | 3.28 | 10 |
| 385 | 1634 | G | Black River | 8.97 | 0.5 | NA | 220 | -99 | NA | NA | NA | 60 | -99 | 6 | 0.09 | 1 | 14 | 22 | 26 | 9.42 | 10 |
| 386 | 1512 | RC | ROARING CREEK | 8.68 | 0.5 | NA | -99 | 40 | NA | NA | NA | 460 | -99 | 10 | 3.19 | 1 | 27 | 31 | 33 | 6.30 | 10 |
| 386 | 1615 | RC | ROARING CREEK | 6.23 | 0.5 | NA | -99 | 10 | NA | NA | NA | 1180 | 1.0 | 6 | 0.14 | 1 | 2 | 64 | 17 | 1.14 | 10 |
| 387 | 1613 | RC | GRANITE CK PROSPECT | 6.88 | 1.5 | NA | 35 | NA | NA | NA | NA | 860 | 0.5 | -99 | 0.14 | 1 | -99 | 23 | 654 | 1.93 | -99 |
| 388 | 1610 | RC | GRANITE CK PROSPECT | 6.81 | 0.5 | NA | 30 | NA | NA | NA | NA | 530 | 0.5 | -99 | 0.21 | -99 | 14 | 88 | 26 | 4.63 | 10 |
| 388 | 1611 | CC | GRANITE CK PROSPECT | 6.33 | 5.0 | NA | 15 | NA | NA | NA | NA | 1720 | 1.0 | -99 | 0.12 | 43 | -99 | 17 | 0.16% | 3.21 | 10 |
| 388 | 1612 | S | GRANITE CK PROSPECT | 4.53 | 51.5 | NA | 30 | NA | NA | NA | NA | 170 | -99 | 38 | 0.08 | 115.5 | 50 | 18 | 5.75% | 14.56 | 10 |
| 389 | 1605 | RC | GRANITE CK PROSPECT | 7.26 | 0.5 | NA | -99 | NA | NA | NA | NA | 490 | 2.0 | -99 | 1.79 | -99 | -99 | 44 | 4 | 3.10 | -99 |
| 389 | 1606 | RC | GRANITE CK PROSPECT | 7.71 | 0.5 | NA | 115 | NA | NA | NA | NA | 390 | 2.0 | 2 | 1.30 | -99 | -99 | 95 | 46 | 2.80 | 10 |
| 389 | 1607 | RC | GRANITE CK PROSPECT | 7.87 | 0.5 | NA | 10 | NA | NA | NA | NA | 380 | 1.0 | -99 | 0.32 | 0.5 | -99 | 55 | -99 | 2.38 | -99 |
| 389 | 1608 | RC | GRANITE CK PROSPECT | 6.75 | 0.5 | NA | 5 | NA | NA | NA | NA | 690 | 1.5 | -99 | 0.17 | 1 | -99 | 80 | -99 | 1.53 | -99 |
| 389 | 1609 | RC | GRANITE CK PROSPECT | 8.27 | 0.5 | NA | 10 | NA | NA | NA | NA | 310 | 1.0 | -99 | 0.42 | 0.5 | 4 | 9 | 28 | 4.53 | 10 |
| 390 | 1506 | CH | GRANITE CK PROSPECT | 8.09 | 0.5 | NA | 20 | NA | NA | NA | NA | 410 | 1.5 | 8 | 4.71 | -99 | 22 | 112 | 28 | 4.93 | -99 |
| 390 | 1507 | CH | GRANITE CK PROSPECT | 9.47 | 0.5 | NA | -99 | NA | NA | NA | NA | 220 | 1.5 | -99 | 6.24 | -99 | 16 | 68 | 44 | 3.03 | -99 |
| 391 | 1503 | RC | GRANITE CK PROSPECT | 9.05 | 0.5 | NA | -99 | NA | NA | NA | NA | 290 | 1.5 | 2 | 10.62 | 0.5 | 40 | 668 | 119 | 6.00 | -99 |
| 391 | 1504 | RC | GRANITE CK PROSPECT | 8.03 | 0.5 | NA | 80 | NA | NA | NA | NA | 690 | 2.0 | -99 | 3.93 | 1 | 22 | 27 | 61 | 7.29 | 10 |
| 391 | 1505 | CC | GRANITE CK PROSPECT | 9.61 | 0.5 | NA | 40 | NA | NA | NA | NA | 130 | 2.5 | 2 | 6.61 | 1.5 | 27 | 75 | 41 | 6.23 | -99 |
| 392 | 1614 | RC | GRANITE CK PROSPECT | 9.03 | 0.5 | NA | -99 | 10 | NA | NA | NA | 240 | -99 | 8 | 1.27 | -99 | 23 | 109 | 35 | 4.91 | 10 |
| 393 | 1508 | P | GRANITE CREEK | 1.10 | -99 | NA | -99 | NA | NA | -99 | 5800 | 240 | -99 | -99 | 1.04 | 1 | -99 | 333 | 11 | 99999 | -99 |
| 394 | 1509 | CR | Granite Creek | 8.18 | 0.5 | NA | 10 | 280 | NA | NA | NA | 560 | -99 | 6 | 4.13 | -99 | 32 | 28 | 36 | 5.59 | 10 |
| 395 | 1510 | P | GRANITE CREEK | 3.70 | 0.5 | NA | -99 | NA | NA | -99 | 7800 | 310 | -99 | -99 | 2.35 | -99 | -99 | 228 | 21 | 99999 | -99 |
| 396 | 1511 | P | ROARING CREEK | 6.90 | 0.5 | NA | 10 | NA | NA | 0.001 | 4500 | 780 | 1.0 | -99 | 2.97 | -99 | 12 | 170 | 29 | 7.95 | -99 |
| 397 | 1808 | P | NOWHERE CREEK | 6.16 | -99 | NA | -99 | NA | NA | -99 | 650 | 4420 | 1.0 | -99 | 2.33 | -99 | 4 | 117 | 31 | 12.84 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 384 | 1546 | P | Black River | 3 | 0.60 | 30 | 0.54 | 3829 | 3 | 7 | 1050 | 152 | -99 | -99 | 15 | NA | 1.85 | -99 | -99 | 1351 | NA | 283 |
| 385 | 1547 | G | Black River | 4 | 0.17 | -99 | 1.37 | 575 | 1 | 9 | 300 | 2 | NA | NA | -99 | NA | 0.24 | -99 | -99 | 132 | -99 | 24 |
| 385 | 1634 | G | Black River | -99 | 0.79 | 10 | 0.35 | 90 | 65 | -99 | 430 | 28 | NA | NA | -99 | NA | 0.03 | -99 | 10 | 78 | -99 | 32 |
| 386 | 1512 | RC | ROARING CREEK | -99 | 0.53 | 20 | 0.27 | 907 | 4 | 12 | 1760 | 2 | NA | NA | -99 | NA | 0.77 | -99 | -99 | 69 | -99 | 136 |
| 386 | 1615 | RC | ROARING CREEK | -99 | 2.81 | 10 | 0.46 | 476 | 1 | 2 | 190 | 14 | NA | NA | -99 | NA | 0.13 | -99 | -99 | 3 | -99 | 30 |
| 387 | 1613 | RC | GRANITE CK PROSPECT | -99 | 4.02 | 10 | 0.31 | 367 | 5 | 18 | 190 | 66 | NA | NA | -99 | NA | 0.16 | -99 | -99 | 7 | -99 | 289 |
| 388 | 1610 | RC | GRANITE CK PROSPECT | 1 | 1.34 | 10 | 2.19 | 1313 | 1 | 31 | 550 | 30 | NA | NA | -99 | NA | 0.32 | -99 | -99 | 83 | -99 | 0.01% |
| 388 | 1611 | CC | GRANITE CK PROSPECT | 3 | 2.78 | 10 | 1.49 | 1502 | 5 | 14 | 140 | 154 | NA | NA | -99 | NA | 0.18 | -99 | -99 | 18 | -99 | 0.87% |
| 388 | 1612 | S | GRANITE CK PROSPECT | 1 | 2.30 | 10 | 0.96 | 1004 | 2 | 34 | -99 | 110 | NA | NA | -99 | NA | 0.10 | -99 | -99 | 10 | 30 | 2.36% |
| 389 | 1605 | RC | GRANITE CK PROSPECT | -99 | 1.96 | 10 | 0.34 | 224 | -99 | -99 | 970 | 10 | NA | NA | -99 | NA | 0.46 | -99 | -99 | 42 | -99 | 75 |
| 389 | 1606 | RC | GRANITE CK PROSPECT | -99 | 1.44 | 10 | 1.19 | 519 | 12 | 10 | 730 | 10 | NA | NA | -99 | NA | 0.30 | -99 | -99 | 45 | -99 | 57 |
| 389 | 1607 | RC | GRANITE CK PROSPECT | -99 | 1.41 | 10 | 1.59 | 936 | 1 | 1 | 590 | 8 | NA | NA | -99 | NA | 0.20 | -99 | -99 | 42 | -99 | 81 |
| 389 | 1608 | RC | GRANITE CK PROSPECT | -99 | 2.14 | 10 | 0.98 | 462 | 3 | 1 | 250 | 10 | NA | NA | -99 | NA | 0.14 | -99 | -99 | 9 | -99 | 43 |
| 389 | 1609 | RC | GRANITE CK PROSPECT | -99 | 1.49 | 10 | 2.90 | 1129 | -99 | 9 | 1290 | 80 | NA | NA | -99 | NA | 0.30 | -99 | -99 | 41 | -99 | 293 |
| 390 | 1506 | CH | GRANITE CK PROSPECT | -99 | 2.05 | 10 | 1.43 | 1113 | -99 | 10 | 770 | 14 | NA | NA | -99 | NA | 0.45 | -99 | -99 | 102 | -99 | 74 |
| 390 | 1507 | CH | GRANITE CK PROSPECT | -99 | 0.47 | 10 | 1.75 | 2160 | 2 | 22 | 1510 | 10 | NA | NA | -99 | NA | 0.65 | -99 | -99 | 162 | -99 | 36 |
| 391 | 1503 | RC | GRANITE CK PROSPECT | -99 | 1.70 | -99 | 5.54 | 2586 | 2 | 45 | 1260 | 6 | NA | NA | 5 | NA | 0.65 | -99 | -99 | 239 | 10 | 136 |
| 391 | 1504 | RC | GRANITE CK PROSPECT | 1 | 1.16 | 20 | 2.35 | 1856 | -99 | -99 | 1200 | 6 | NA | NA | -99 | NA | 0.94 | -99 | -99 | 302 | -99 | 173 |
| 391 | 1505 | CC | GRANITE CK PROSPECT | -99 | 0.52 | 10 | 2.13 | 1094 | -99 | 29 | 1750 | 20 | NA | NA | 5 | NA | 0.66 | -99 | -99 | 178 | -99 | 85 |
| 392 | 1614 | RC | GRANITE CK PROSPECT | -99 | 0.89 | 20 | 1.24 | 1106 | 2 | -99 | 1800 | 2 | NA | NA | -99 | NA | 0.63 | -99 | -99 | 68 | 10 | 88 |
| 393 | 1508 | P | GRANITE CREEK | 3 | 0.13 | 30 | 0.48 | 6532 | 1 | 17 | 300 | 8 | -99 | -99 | 15 | NA | 7.57 | -99 | -99 | 2343 | NA | 329 |
| 394 | 1509 | CR | Granite Creek | -99 | 0.52 | 30 | 0.80 | 1048 | 4 | 9 | 2210 | 10 | NA | NA | -99 | NA | 1.00 | -99 | -99 | 95 | -99 | 125 |
| 395 | 1510 | P | GRANITE CREEK | -99 | 0.58 | 20 | 1.04 | 4651 | -99 | 15 | 380 | 2 | -99 | -99 | 10 | NA | 4.15 | -99 | -99 | 1264 | NA | 227 |
| 396 | 1511 | P | ROARING CREEK | -99 | 1.20 | 20 | 1.17 | 2492 | -99 | 17 | 670 | 12 | -99 | -99 | -99 | NA | 1.10 | -99 | -99 | 245 | 40 | 115 |
| 397 | 1808 | P | NOWHERE CREEK | -99 | 0.88 | 20 | 0.96 | 2807 | -99 | 13 | 850 | 2 | -99 | -99 | 5 | NA | 1.95 | -99 | -99 | 471 | 70 | 203 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | 1807B | P | NOWHERE CREEK | 0.76 | -99 | NA | -99 | NA | NA | 0.001 | 6 | 490 | -99 | -99 | 0.70 | 1 | -99 | 305 | 11 | 99999 | -99 |
| 398 | 1807 | P | NOWHERE CREEK | 6.58 | -99 | NA | 5 | NA | NA | 0.001 | 3500 | 1000 | 0.5 | -99 | 2.75 | -99 | -99 | 121 | 16 | 10.31 | -99 |
| 399 | 1513 | S | Nowhere Creek | 6.78 | 0.5 | NA | 15 | -99 | NA | NA | NA | 270 | -99 | 2 | 8.48 | -99 | 24 | 37 | 24 | 3.82 | -99 |
| 400 | 1729 | S | Nowhere Creek | 6.36 | -99 | NA | 5 | -99 | NA | NA | NA | 80 | 2.0 | -99 | 3.66 | -99 | 11 | 93 | 169 | 3.82 | -99 |
| 400 | 1730 | CH | Nowhere Creek | 7.34 | -99 | NA | -99 | -99 | NA | NA | NA | 440 | 1.5 | -99 | 3.99 | -99 | 12 | 72 | 12 | 3.72 | -99 |
| 401 | 1731 | CR | Nowhere Creek | 7.56 | 0.5 | NA | -99 | -99 | NA | NA | NA | 90 | -99 | 2 | 3.40 | -99 | 16 | 72 | 3 | 4.12 | 10 |
| 402 | 1728 | S | Nowhere Creek | 8.48 | -99 | NA | -99 | -99 | NA | NA | NA | 850 | 2.0 | -99 | 2.15 | -99 | 13 | 44 | -99 | 3.60 | 10 |
| 403 | 1727 | P | NOWHERE CREEK | 2.46 | -99 | NA | -99 | NA | NA | -99 | 8600 | 1710 | -99 | -99 | 1.26 | 1.5 | -99 | 272 | 16 | 99999 | -99 |
| 404 | 1725 | S | NOWHERE CREEK | 6.23 | 0.5 | NA | 85 | 10 | NA | NA | NA | 490 | 2.0 | -99 | 1.65 | -99 | 5 | 24 | 4 | 2.17 | 10 |
| 404 | 1726 | S | NOWHERE CREEK | 6.92 | -99 | NA | 5 | 5 | NA | NA | NA | 1240 | 1.5 | -99 | 3.84 | -99 | 7 | 52 | 7 | 1.72 | -99 |
| 405 | 1723 | S | NOWHERE CREEK | 7.02 | -99 | NA | -99 | -99 | NA | NA | NA | 90 | 1.5 | -99 | 0.66 | -99 | 16 | 25 | 55 | 4.32 | -99 |
| 405 | 1724 | CH | NOWHERE CREEK | 9.26 | -99 | NA | -99 | -99 | NA | NA | NA | 140 | 2.0 | -99 | 0.22 | -99 | 16 | 23 | 38 | 5.85 | 10 |
| 406 | 1818 | G | Oshetna River | 6.97 | 0.5 | NA | -99 | -99 | NA | NA | NA | 250 | -99 | 4 | 4.07 | -99 | 36 | 95 | 61 | 5.05 | 20 |
| 407 | 1819 | P | Oshetna River | 3.45 | -99 | NA | -99 | NA | NA | -99 | 99999 | 720 | 1.0 | -99 | 2.06 | 1 | 20 | 226 | 16 | 99999 | -99 |
| 408 | 1820 | S | Oshetna River | 6.53 | 0.5 | NA | -99 | -99 | NA | NA | NA | 550 | 1.5 | -99 | 2.36 | -99 | 7 | 24 | 8 | 2.11 | 10 |
| 409 | 1817 | P | Oshetna River | 4.74 | -99 | NA | -99 | NA | NA | -99 | 260 | 240 | 0.5 | -99 | 2.65 | 0.5 | -99 | 117 | 45 | 21.84 | -99 |
| 410 | 1816 | P | Oshetna River | 1.71 | -99 | NA | -99 | NA | NA | -99 | 900 | 250 | 0.5 | -99 | 1.32 | 1 | 63 | 233 | 64 | 99999 | -99 |
| 411 | 1709B | P | Little Oshetna River | 1.04 | -99 | NA | -99 | NA | NA | -99 | 60 | 240 | 0.5 | -99 | 0.62 | 1.5 | 33 | 289 | 49 | 99999 | -99 |
| 411 | 1709 | P | Little Oshetna River | 4.17 | -99 | NA | -99 | NA | NA | -99 | 3000 | 270 | 0.5 | -99 | 2.51 | -99 | -99 | 217 | 10 | 15.95 | -99 |
| 412 | 1708 | P | COLE & SWAVELY | 2.35 | 1.0 | NA | -99 | NA | NA | -99 | 99999 | 220 | 0.5 | -99 | 1.37 | 0.5 | -99 | 195 | 27 | 99999 | -99 |
| 413 | 1710 | P | COLE & SWAVELY | 4.59 | -99 | NA | -99 | NA | NA | 0.001 | 1400 | 310 | 0.5 | -99 | 2.60 | -99 | 10 | 136 | 38 | 19.66 | -99 |
| 414 | 1518 | P | GOLD CREEK | 1.40 | 0.5 | NA | -99 | NA | NA | 0.002 | 210 | 90 | -99 | -99 | 13.69 | 2 | 2 | 245 | 36 | 19.82 | -99 |
| 415 | 1519 | P | GOLD CREEK | 1.68 | 2.0 | NA | -99 | NA | NA | 0.003 | 99999 | 90 | -99 | -99 | 12.54 | 1 | 6 | 310 | 58 | 19.92 | -99 |
| 416 | 1814 | P | GOLD CREEK | 6.19 | 4.5 | NA | -99 | NA | NA | -99 | 99999 | 280 | 0.5 | -99 | 3.40 | 0.5 | 11 | 225 | 94 | 14.83 | -99 |
| 417 | 1815 | P | JEFFERY L. BETTIS | 6.45 | -99 | NA | 15 | NA | NA | -99 | 99999 | 450 | 0.5 | -99 | 2.61 | -99 | 15 | 593 | 40 | 11.97 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 398 | 18078 | P | NOWHERE CREEK | -99 | 0.05 | -99 | 0.41 | 4398 | -99 | 23 | 760 | 2 | -99 | -99 | 20 | NA | 5.70 | -99 | -99 | 2432 | NA | 655 |
| 398 | 1807 | P | NOWHERE CREEK | 5 | 0.79 | 20 | 1.17 | 4155 | -99 | 9 | 820 | 18 | -99 | -99 | 5 | NA | 3.22 | -99 | -99 | 300 | 60 | 143 |
| 399 | 1513 | S | Nowhere Creek | 1 | 1.24 | -99 | 0.89 | 1479 | 4 | 11 | 1240 | 2 | NA | NA | -99 | NA | 0.36 | -99 | -99 | 84 | 10 | 82 |
| 400 | 1729 | S | Nowhere Creek | -99 | 0.23 | 10 | 0.63 | 1456 | 5 | -99 | 890 | 2 | NA | NA | -99 | NA | 0.31 | -99 | -99 | 77 | 20 | 55 |
| 400 | 1730 | CH | Nowhere Creek | -99 | 0.95 | -99 | 0.73 | 1336 | 5 | 1 | 1000 | 2 | NA | NA | -99 | NA | 0.37 | -99 | -99 | 82 | 30 | 57 |
| 401 | 1731 | CR | Nowhere Creek | -99 | 0.24 | 20 | 0.92 | 1344 | 5 | 6 | 1050 | 6 | NA | NA | -99 | NA | 0.38 | -99 | -99 | 93 | 10 | 75 |
| 402 | 1728 | S | Nowhere Creek | -99 | 1.83 | 10 | 0.90 | 1149 | 6 | -99 | 1170 | -99 | NA | NA | -99 | NA | 0.45 | -99 | -99 | 90 | 20 | 60 |
| 403 | 1727 | P | NOWHERE CREEK | 35 | 0.18 | 20 | 0.71 | 7171 | -99 | 20 | 710 | 10 | -99 | -99 | 5 | NA | 7.73 | -99 | -99 | 1524 | NA | 469 |
| 404 | 1725 | S | NOWHERE CREEK | -99 | 0.68 | 30 | 0.79 | 95 | 17 | -99 | 1010 | 16 | NA | NA | -99 | NA | 0.19 | -99 | -99 | 17 | 10 | 79 |
| 404 | 1726 | S | NOWHERE CREEK | -99 | 4.46 | 10 | 0.18 | 1918 | 6 | 6 | 520 | 10 | NA | NA | -99 | NA | 0.26 | -99 | -99 | 33 | 10 | 62 |
| 405 | 1723 | S | NOWHERE CREEK | -99 | 1.24 | 10 | 1.52 | 610 | 5 | 2 | 700 | 2 | NA | NA | -99 | NA | 0.39 | -99 | -99 | 102 | 30 | 38 |
| 405 | 1724 | CH | NOWHERE CREEK | -99 | 1.56 | -99 | 2.52 | 852 | 7 | 1 | 750 | 4 | NA | NA | -99 | NA | 0.80 | -99 | -99 | 239 | 40 | 99 |
| 406 | 1818 | G | Oshetna River | 1 | 0.30 | 20 | 3.82 | 1012 | 2 | 67 | 830 | 2 | NA | NA | -99 | NA | 0.50 | -99 | -99 | 40 | 10 | 61 |
| 407 | 1819 | P | Oshetna River | -99 | 0.18 | 20 | 1.57 | 6847 | 7 | 48 | 470 | 8 | -99 | -99 | 10 | NA | 8.06 | -99 | -99 | 1278 | NA | 742 |
| 408 | 1820 | S | Oshetna River | -99 | 1.00 | 20 | 0.31 | 481 | 5 | -99 | 240 | -99 | NA | NA | -99 | NA | 0.19 | -99 | -99 | 13 | 10 | 79 |
| 409 | 1817 | P | Oshetna River | 12 | 0.17 | 10 | 1.33 | 6038 | -99 | 28 | 1080 | 2 | -99 | -99 | 10 | NA | 7.58 | -99 | -99 | 991 | 130 | 601 |
| 410 | 1816 | P | Oshetna River | -99 | 0.03 | 10 | 1.18 | 8429 | -99 | 45 | 1090 | 2 | -99 | -99 | 15 | NA | 8.16 | -99 | -99 | 1923 | NA | 851 |
| 411 | 17098 | P | Little Oshetna River | -99 | 0.02 | 10 | 0.82 | 5775 | -99 | 64 | 830 | 2 | -99 | -99 | 20 | NA | 8.52 | -99 | -99 | 2644 | NA | 816 |
| 411 | 1709 | P | Little Oshetna River | -99 | 0.29 | 20 | 1.35 | 4289 | -99 | 17 | 360 | 2 | -99 | -99 | -99 | NA | 6.54 | -99 | -99 | 403 | 80 | 183 |
| 412 | 1708 | P | COLE & SWAVELY | -99 | 0.18 | 10 | 1.00 | 5579 | -99 | 40 | 660 | 2 | -99 | 800 | 10 | NA | 7.23 | -99 | -99 | 1581 | NA | 470 |
| 413 | 1710 | P | COLE & SWAVELY | -99 | 0.66 | 10 | 1.45 | 2779 | -99 | 27 | 690 | 2 | -99 | -99 | 5 | NA | 3.78 | -99 | -99 | 1070 | 110 | 312 |
| 414 | 1518 | P | GOLD CREEK | 1 | 0.09 | -99 | 0.84 | 4063 | -99 | 25 | 540 | 54 | -99 | -99 | 5 | NA | 4.41 | -99 | -99 | 1056 | 120 | 430 |
| 415 | 1519 | P | GOLD CREEK | 2 | 0.06 | -99 | 0.96 | 4986 | -99 | 31 | 150 | 12 | 26 | 3100 | 5 | NA | 4.34 | -99 | -99 | 935 | 110 | 387 |
| 416 | 1814 | P | GOLD CREEK | -99 | 0.31 | 10 | 2.13 | 3871 | -99 | 29 | 630 | 2 | 8 | 10 | 10 | NA | 3.33 | -99 | -99 | 794 | 90 | 250 |
| 417 | 1815 | P | JEFFERY L. BETTIS | 6 | 0.67 | 10 | 1.50 | 1546 | -99 | 22 | 750 | 2870 | -99 | 10 | 25 | NA | 1.32 | -99 | -99 | 526 | 70 | 187 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 1520 | CR | WILLIAM DEFRANG | 8.24 | 0.5 | NA | -99 | -99 | NA | NA | NA | 390 | -99 | -99 | 3.06 | -99 | 22 | 20 | 6 | 4.62 | 20 |
| 419 | 1521 | P | WILLIAM DEFRANG | 4.95 | 2.0 | NA | -99 | NA | NA | 0.004 | 99999 | 210 | -99 | -99 | 3.31 | 0.5 | -99 | 415 | 65 | 19.91 | -99 |
| 420 | 1522 | P | WILLIAM DEFRANG | 1.29 | -99 | NA | -99 | NA | NA | -99 | 99999 | 70 | -99 | -99 | 16.05 | 1 | 14 | 319 | 47 | 16.92 | -99 |
| 421 | 1549 | P | OSHETNA RIVER | 5.94 | -99 | NA | -99 | NA | NA | -99 | 2200 | 350 | 0.5 | -99 | 2.99 | -99 | 7 | 125 | 22 | 14.46 | -99 |
| 422 | 1734 | P | Tyone Creek | 6.32 | -99 | NA | 15 | NA | NA | -99 | 12 | 520 | 0.5 | -99 | 1.44 | -99 | 9 | 51 | 7 | 4.88 | -99 |
| 423 | 1733 | P | PUMICITE 1-12 | 3.44 | -99 | NA | -99 | NA | NA | -99 | 2600 | 210 | 0.5 | -99 | 2.23 | 1 | 5 | 209 | 10 | 24.92 | -99 |
| 424 | 1737 | P | TYONE CREEK | 4.23 | -99 | NA | -99 | NA | NA | 0.001 | 7000 | 240 | -99 | -99 | 3.15 | -99 | -99 | 400 | 2 | 21.53 | -99 |
| 425 | 1552 | P | DAISY CREEK | 4.11 | -99 | NA | -99 | NA | NA | -99 | 450 | 260 | -99 | -99 | 2.33 | -99 | 6 | 118 | 4 | 17.22 | -99 |
| 426 | 1551 | P | DAISY CREEK | 2.09 | -99 | NA | -99 | NA | NA | -99 | 5400 | 170 | -99 | -99 | 1.39 | 1 | -99 | 156 | 4 | 99999 | -99 |
| 427 | 1735 | P | GRIZZLEY CREEK | 6.83 | -99 | NA | 5 | NA | NA | -99 | 2400 | 640 | 0.5 | -99 | 3.26 | -99 | 12 | 182 | 11 | 5.54 | -99 |
| 428 | 1736 | P | Grizzley Creek | 5.95 | -99 | NA | -99 | NA | NA | -99 | 6200 | 600 | 0.5 | -99 | 2.34 | -99 | 10 | 138 | 16 | 3.71 | -99 |
| 429 | 1604B | P | DAISY CREEK | 0.72 | -99 | NA | -99 | NA | NA | 0.001 | 170 | 250 | -99 | -99 | 0.43 | 1.5 | 18 | 261 | 14 | 99999 | -99 |
| 429 | 1604 | P | DAISY CREEK | 3.29 | -99 | NA | -99 | NA | NA | 0.001 | 1800 | 210 | 0.5 | -99 | 2.37 | 0.5 | -99 | 158 | 7 | 20.21 | -99 |
| 430 | 1603 | RC | DAISY CREEK | 8.40 | 0.5 | NA | -99 | NA | NA | NA | NA | 760 | 2.0 | -99 | 0.58 | 1.5 | 2 | 40 | 1 | 3.18 | -99 |
| 431 | 1602B | P | DAISY CREEK | 4.39 | -99 | NA | -99 | NA | NA | -99 | 99999 | 200 | 0.5 | -99 | 3.08 | -99 | -99 | 159 | 4 | 13.26 | -99 |
| 431 | 1602 | P | DAISY CREEK | 0.73 | -99 | NA | -99 | NA | NA | -99 | 4 | 190 | -99 | -99 | 0.48 | 1.5 | 21 | 331 | 20 | 99999 | -99 |
| 432 | 1601 | CC | DAISY CREEK | 8.42 | 0.5 | NA | -99 | NA | NA | NA | NA | 510 | 1.5 | -2 | 3.00 | 0.5 | 24 | 32 | 30 | 4.90 | 10 |
| 433 | 1555 | P | TYONE CREEK | 1.84 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 140 | -99 | -99 | 1.30 | 1 | -99 | 232 | -99 | 99999 | -99 |
| 434 | 1556 | CC | TYONE CREEK | 6.29 | 0.5 | NA | 5 | 10 | NA | NA | 4 | 700 | 0.5 | 2 | 1.68 | 0.5 | 26 | 154 | 33 | 2.94 | 10 |
| 435 | 1554 | P | TYONE CREEK | 4.49 | -99 | NA | -99 | NA | NA | -99 | 2100 | 260 | 0.5 | -99 | 2.87 | 0.5 | 6 | 144 | 11 | 18.53 | -99 |
| 436 | 1553 | P | NICOLIE CREEK | 5.93 | -99 | NA | -99 | NA | NA | -99 | 7400 | 340 | 0.5 | -99 | 4.65 | -99 | 8 | 416 | 6 | 12.22 | -99 |
| 437 | 1722 | P | TYONE CREEK | 2.10 | -99 | NA | -99 | NA | NA | 0.001 | 99999 | 210 | -99 | -99 | 1.37 | 0.5 | -99 | 174 | 4 | 99999 | -99 |
| 438 | 1738 | P | Tyone Creek | 6.28 | -99 | NA | 10 | NA | NA | -99 | 340 | 650 | 0.5 | -99 | 2.21 | -99 | 9 | 182 | 9 | 4.18 | -99 |
| 439 | 1561 | P | TYONE CREEK | 0.88 | -99 | NA | -99 | NA | NA | -99 | 99999 | 150 | -99 | -99 | 0.88 | 0.5 | -99 | 175 | 2 | 99999 | -99 |
| 440 | 1721 | P | TYONE CREEK | 3.48 | -99 | NA | -99 | NA | NA | 0.002 | 99999 | 460 | -99 | -99 | 1.95 | 1 | 1 | 144 | 12 | 24.96 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 418 | 1520 | CR | WILLIAM DEFRANG | -99 | 1.09 | 30 | 1.16 | 1512 | 3 | 2 | 1300 | 2 | NA | NA | -99 | NA | 0.59 | -99 | -99 | 101 | -99 | 98 |
| 419 | 1521 | P | WILLIAM DEFRANG | -99 | 0.24 | 10 | 1.96 | 4265 | -99 | 34 | 520 | 8 | -99 | 200 | 10 | NA | 4.80 | -99 | -99 | 1076 | 90 | 318 |
| 420 | 1522 | P | WILLIAM DEFRANG | 1 | 0.08 | -99 | 0.79 | 4753 | -99 | 24 | 170 | 130 | -99 | 15 | 10 | NA | 1.83 | -99 | -99 | 644 | 90 | 351 |
| 421 | 1549 | P | OSHETNA RIVER | 1 | 0.60 | 10 | 1.34 | 2932 | -99 | 22 | 890 | 2 | -99 | -99 | 5 | NA | 3.09 | -99 | -99 | 608 | 70 | 256 |
| 422 | 1734 | P | Tyone Creek | -99 | 1.84 | -99 | 1.05 | 793 | -99 | 12 | 580 | 4 | -99 | -99 | -99 | NA | 0.81 | -99 | -99 | 179 | 20 | 100 |
| 423 | 1733 | P | PUMICITE 1-12 | 2 | 0.28 | -99 | 1.40 | 2398 | -99 | 40 | 510 | 2 | -99 | 10 | 5 | NA | 5.93 | -99 | -99 | 1374 | 140 | 321 |
| 424 | 1737 | P | TYONE CREEK | 2 | 0.25 | 20 | 1.36 | 3778 | -99 | 29 | 630 | 2 | -99 | -99 | 5 | NA | 4.48 | -99 | -99 | 743 | 110 | 242 |
| 425 | 1552 | P | DAISY CREEK | -99 | 0.44 | -99 | 1.16 | 2258 | -99 | 28 | 560 | 2 | -99 | -99 | 5 | NA | 4.19 | -99 | -99 | 796 | 80 | 224 |
| 426 | 1551 | P | DAISY CREEK | 4 | 0.16 | -99 | 1.01 | 2915 | -99 | 32 | 660 | 2 | -99 | -99 | 15 | NA | 7.08 | -99 | -99 | 1378 | NA | 368 |
| 427 | 1735 | P | GRIZZLEY CREEK | -99 | 0.73 | 10 | 1.41 | 1022 | -99 | 28 | 350 | 4 | -99 | 10 | -99 | NA | 0.91 | -99 | -99 | 229 | 30 | 81 |
| 428 | 1736 | P | Grizzley Creek | -99 | 0.75 | 10 | 1.01 | 819 | -99 | 23 | 240 | 6 | -99 | -99 | -99 | NA | 0.55 | -99 | -99 | 162 | 10 | 64 |
| 429 | 1604B | P | DAISY CREEK | 2 | 0.03 | -99 | 0.80 | 3284 | -99 | 47 | 750 | 2 | -99 | -99 | 20 | NA | 8.27 | -99 | -99 | 2594 | NA | 569 |
| 429 | 1604 | P | DAISY CREEK | -99 | 0.22 | 10 | 1.28 | 3405 | 1 | 22 | 640 | 2 | 6 | 480 | 10 | NA | 7.47 | -99 | -99 | 903 | 100 | 209 |
| 430 | 1603 | RC | DAISY CREEK | 2 | 1.65 | 10 | 1.96 | 1728 | 2 | -99 | 1010 | 10 | NA | NA | -99 | NA | 0.40 | -99 | -99 | 48 | -99 | 219 |
| 431 | 1602B | P | DAISY CREEK | -99 | 0.39 | 10 | 1.54 | 2420 | -99 | 22 | 570 | 2 | -99 | -99 | 5 | NA | 6.87 | -99 | -99 | 626 | 70 | 141 |
| 431 | 1602 | P | DAISY CREEK | 3 | 0.01 | -99 | 0.84 | 2823 | -99 | 66 | 870 | 2 | -99 | -99 | 20 | NA | 7.99 | -99 | -99 | 2833 | NA | 561 |
| 432 | 1601 | CC | DAISY CREEK | 1 | 1.59 | 20 | 2.10 | 694 | -99 | 8 | 660 | 8 | NA | NA | -99 | NA | 0.51 | -99 | -99 | 163 | -99 | 81 |
| 433 | 1555 | P | TYONE CREEK | -99 | 0.10 | 10 | 0.78 | 4738 | -99 | 28 | 930 | 2 | 4 | 250 | 10 | NA | 5.86 | -99 | -99 | 1267 | NA | 390 |
| 434 | 1556 | CC | TYONE CREEK | -99 | 1.14 | 20 | 1.13 | 523 | 2 | 37 | 510 | 2 | 2 | -99 | -99 | NA | 0.33 | -99 | -99 | 112 | -99 | 50 |
| 435 | 1554 | P | TYONE CREEK | -99 | 0.40 | 10 | 1.24 | 2907 | -99 | 27 | 810 | 2 | -99 | -99 | 10 | NA | 2.95 | -99 | -99 | 714 | 90 | 251 |
| 436 | 1553 | P | NICOLIE CREEK | -99 | 0.47 | -99 | 1.31 | 2399 | -99 | 31 | 530 | 2 | -99 | -99 | 5 | NA | 2.31 | -99 | -99 | 666 | 50 | 140 |
| 437 | 1722 | P | TYONE CREEK | -99 | 0.15 | 10 | 0.77 | 3935 | -99 | 23 | 1020 | 2 | -99 | 15 | 5 | NA | 5.35 | -99 | -99 | 1254 | NA | 406 |
| 438 | 1738 | P | Tyone Creek | -99 | 0.97 | 10 | 0.98 | 853 | -99 | 21 | 370 | 6 | -99 | -99 | -99 | NA | 0.94 | -99 | -99 | 152 | 10 | 71 |
| 439 | 1561 | P | TYONE CREEK | -99 | 0.04 | 10 | 0.61 | 3804 | -99 | 27 | 1150 | 2 | -99 | -99 | 10 | NA | 7.05 | -99 | -99 | 1542 | NA | 497 |
| 440 | 1721 | P | TYONE CREEK | -99 | 0.33 | 10 | 1.02 | 3175 | -99 | 23 | 930 | 2 | 280 | 4100 | 10 | NA | 4.19 | -99 | -99 | 1012 | NA | 339 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 1557 | P | Tyone Creek | 3.77 | -99 | NA | -99 | NA | NA | -99 | 9400 | 200 | 0.5 | -99 | 2.77 | 0.5 | -99 | 249 | 9 | 23.26 | -99 |
| 442 | 1530 | P | YACKO CREEK | 2.85 | -99 | NA | -99 | NA | NA | -99 | 20 | 230 | -99 | -99 | 2.07 | 0.5 | -99 | 141 | 12 | 99999 | -99 |
| 443 | 1531 | P | YACKO CREEK | 1.56 | -99 | NA | -99 | NA | NA | -99 | 8800 | 280 | -99 | -99 | 1.29 | 0.5 | -99 | 101 | 8 | 99999 | -99 |
| 444 | 1532 | G | YACKO CREEK | 2.22 | 0.5 | NA | -99 | 960 | NA | NA | 8000 | 120 | -99 | -99 | 1.37 | -99 | 79 | 143 | 32 | 99999 | 30 |
| 445 | 1533 | P | YACKO CREEK | 1.71 | -99 | NA | -99 | NA | NA | -99 | 410 | 290 | -99 | -99 | 1.18 | 0.5 | -99 | 136 | 7 | 99999 | -99 |
| 446 | 1534 | P | YACKO CREEK | 2.17 | -99 | NA | -99 | NA | NA | 0.001 | 360 | 110 | -99 | -99 | 15.52 | 0.5 | 7 | 199 | 30 | 15.91 | -99 |
| 447 | 1535 | P | YACKO CREEK | 1.38 | -99 | NA | -99 | NA | NA | -99 | 1800 | 240 | -99 | -99 | 1.19 | 0.5 | -99 | 135 | 3 | 99999 | -99 |
| 448 | 1536 | CR | YACKO CREEK | 6.53 | 0.5 | NA | -99 | 20 | NA | NA | 12 | 370 | -99 | -99 | 3.55 | 0.5 | 30 | 132 | 87 | 5.97 | 10 |
| 448 | 1537 | P | YACKO CREEK | 2.35 | -99 | NA | -99 | NA | NA | -99 | 2500 | 170 | -99 | -99 | 4.71 | 0.5 | -99 | 168 | 19 | 99999 | -99 |
| 449 | 1538 | P | NELCHINA MINES | 1.70 | -99 | NA | -99 | NA | NA | -99 | 2000 | 200 | -99 | -99 | 1.57 | 1 | -99 | 179 | 16 | 99999 | -99 |
| 450 | 1528 | P | WALKER CREEK | 2.03 | -99 | NA | -99 | NA | NA | -99 | 600 | 210 | -99 | -99 | 1.93 | 0.5 | -99 | 195 | 36 | 99999 | -99 |
| 451 | 1527 | CC | WALKER CREEK | 6.43 | 0.5 | NA | -99 | -99 | NA | -99 | 10 | 370 | -99 | -99 | 3.35 | 0.5 | 27 | 104 | 98 | 6.33 | 10 |
| 452 | 1523 | CR | FOURTH OF JULY CREEK | 7.06 | 0.5 | NA | 5 | 5 | NA | NA | 8 | 480 | -99 | -99 | 3.52 | -99 | 27 | 143 | 93 | 6.45 | 10 |
| 453 | 1524 | P | FOURTH OF JULY CREEK | 1.50 | -99 | NA | -99 | NA | NA | -99 | 3500 | 200 | -99 | -99 | 1.54 | 0.5 | -99 | 142 | 3 | 99999 | -99 |
| 454 | 1529 | P | WALKER CREEK | 1.85 | -99 | NA | -99 | NA | NA | -99 | 80 | 170 | 0.5 | -99 | 2.52 | 0.5 | -99 | 224 | 10 | 99999 | -99 |
| 455 | 1525 | P | FOURTH OF JULY CREEK | 1.90 | -99 | NA | -99 | NA | NA | -99 | 370 | 180 | -99 | -99 | 1.67 | 0.5 | -99 | 120 | 10 | 99999 | -99 |
| 456 | 1802B | P | Fourth of July Ck. | 1.65 | -99 | NA | -99 | NA | NA | -99 | 1200 | 560 | 0.5 | -99 | 0.76 | 1.5 | -99 | 489 | 15 | 99999 | -99 |
| 456 | 1802 | P | Fourth of July Ck. | 4.63 | -99 | NA | -99 | NA | NA | -99 | 6 | 3140 | 1.0 | -99 | 3.37 | -99 | 10 | 197 | 18 | 12.27 | -99 |
| 457 | 1801 | P | Fourth of July Ck. | 7.01 | -99 | NA | -99 | NA | NA | -99 | 16 | 330 | 1.0 | -99 | 3.90 | -99 | -99 | 131 | 2 | 8.42 | -99 |
| 458 | 1526 | P | FOURTH OF JULY CREEK | 1.45 | -99 | NA | -99 | NA | NA | -99 | 240 | 160 | -99 | -99 | 1.31 | 0.5 | 2 | 254 | 8 | 99999 | -99 |
| 459 | 1712 | P | WALKER CREEK | 2.02 | -99 | NA | -99 | NA | NA | -99 | 820 | 200 | 0.5 | -99 | 1.78 | 1.5 | -99 | 294 | 37 | 99999 | -99 |
| 460 | 1711 | P | WALKER CREEK | 1.66 | 1.0 | NA | -99 | NA | NA | -99 | 5000 | 100 | 0.5 | -99 | 11.42 | 22.5 | -99 | 178 | 62 | 20.77 | -99 |
| 461 | 1720 | P | NELCHINA MINES | 4.86 | -99 | NA | -99 | NA | NA | -99 | 5200 | 290 | -99 | -99 | 3.23 | 1 | -99 | 175 | 14 | 19.07 | -99 |
| 462 | 1719 | P | NELCHINA MINES | 5.24 | -99 | NA | -99 | NA | NA | -99 | 820 | 350 | 0.5 | -99 | 2.94 | -99 | 13 | 149 | 18 | 13.91 | -99 |
| 463 | 1715 | P | NELCHINA MINES | 2.07 | -99 | NA | -99 | NA | NA | -99 | 99999 | 180 | 0.5 | -99 | 1.28 | 0.5 | -99 | 164 | 11 | 99999 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 441 | 1557 | P | Tyone Creek | -99 | 0.26 | 10 | 1.29 | 3406 | -99 | 31 | 700 | 2 | -99 | -99 | 5 | NA | 5.86 | -99 | -99 | 1050 | NA | 292 |
| 442 | 1530 | P | YACKO CREEK | -99 | 0.23 | 10 | 1.14 | 3475 | -99 | 23 | 1310 | 2 | -99 | -99 | 10 | NA | 5.19 | -99 | -99 | 1092 | NA | 390 |
| 443 | 1531 | P | YACKO CREEK | -99 | 0.13 | 10 | 0.64 | 3945 | -99 | 17 | 1170 | 2 | -99 | -99 | 15 | NA | 4.33 | -99 | -99 | 1335 | NA | 555 |
| 444 | 1532 | G | YACKO CREEK | -99 | 0.17 | 10 | 0.72 | 4147 | 28 | 10 | 1240 | -99 | 56 | 9600 | 10 | NA | 3.11 | 30 | 10 | 1153 | -99 | 502 |
| 445 | 1533 | P | YACKO CREEK | 1 | 0.18 | 10 | 0.63 | 4314 | -99 | 17 | 1300 | 2 | -99 | 25 | 20 | NA | 6.09 | -99 | -99 | 1412 | NA | 526 |
| 446 | 1534 | P | YACKO CREEK | -99 | 0.15 | -99 | 0.69 | 4137 | -99 | 12 | 680 | 98 | -99 | -99 | 15 | NA | 2.17 | -99 | -99 | 481 | 90 | 248 |
| 447 | 1535 | P | YACKO CREEK | 2 | 0.11 | 10 | 0.67 | 4707 | -99 | 18 | 1380 | 2 | -99 | -99 | 20 | NA | 6.93 | -99 | -99 | 1324 | NA | 507 |
| 448 | 1536 | CR | YACKO CREEK | 1 | 0.71 | 30 | 2.18 | 1055 | 3 | 35 | 780 | 2 | 8 | -99 | -99 | NA | 0.81 | -99 | -99 | 252 | -99 | 75 |
| 448 | 1537 | P | YACKO CREEK | -99 | 0.22 | -99 | 1.05 | 3879 | -99 | 21 | 1130 | 16 | -99 | -99 | 15 | NA | 4.17 | -99 | -99 | 838 | NA | 400 |
| 449 | 1538 | P | NELCHINA MINES | 1 | 0.14 | 10 | 1.03 | 3400 | -99 | 33 | 2060 | 2 | -99 | -99 | 20 | NA | 7.64 | -99 | -99 | 1730 | NA | 520 |
| 450 | 1528 | P | WALKER CREEK | -99 | 0.18 | 10 | 1.16 | 2860 | -99 | 37 | 1880 | 2 | -99 | -99 | 15 | NA | 5.68 | -99 | -99 | 1720 | NA | 436 |
| 451 | 1527 | CC | WALKER CREEK | 1 | 0.68 | 30 | 2.14 | 1072 | 3 | 40 | 840 | 2 | 8 | -99 | -99 | NA | 0.94 | -99 | -99 | 268 | -99 | 77 |
| 452 | 1523 | CR | FOURTH OF JULY CREEK | 1 | 0.81 | 30 | 2.30 | 1137 | -99 | 46 | 920 | 2 | 8 | -99 | -99 | NA | 0.94 | -99 | -99 | 273 | -99 | 81 |
| 453 | 1524 | P | FOURTH OF JULY CREEK | 1 | 0.14 | 10 | 1.03 | 4236 | -99 | 14 | 1350 | 2 | 22 | 2500 | 10 | NA | 7.85 | -99 | -99 | 1401 | NA | 524 |
| 454 | 1529 | P | WALKER CREEK | 1 | 0.12 | 10 | 1.59 | 3555 | -99 | 37 | 1100 | 12 | -99 | -99 | 15 | NA | 7.50 | -99 | -99 | 1679 | NA | 385 |
| 455 | 1525 | P | FOURTH OF JULY CREEK | 2 | 0.15 | 10 | 0.98 | 3406 | -99 | 24 | 1350 | 2 | -99 | -99 | 15 | NA | 6.86 | -99 | -99 | 1488 | NA | 478 |
| 456 | 1802B | P | Fourth of July Ck. | 3 | 0.06 | 10 | 0.87 | 6720 | -99 | 46 | 1010 | 2 | -99 | -99 | 15 | NA | 8.08 | -99 | -99 | 2762 | NA | 1280 |
| 456 | 1802 | P | Fourth of July Ck. | -99 | 0.83 | 10 | 2.21 | 1655 | -99 | 21 | 550 | 2 | -99 | -99 | 10 | NA | 2.48 | -99 | -99 | 507 | 70 | 187 |
| 457 | 1801 | P | Fourth of July Ck. | 1 | 0.54 | -99 | 1.55 | 1678 | -99 | 12 | 650 | 2 | -99 | -99 | -99 | NA | 4.08 | -99 | -99 | 249 | 50 | 116 |
| 458 | 1526 | P | FOURTH OF JULY CREEK | 1 | 0.09 | 10 | 1.18 | 3897 | -99 | 35 | 700 | 2 | -99 | -99 | 15 | NA | 7.75 | -99 | -99 | 1821 | NA | 451 |
| 459 | 1712 | P | WALKER CREEK | 2 | 0.10 | 10 | 1.37 | 4746 | -99 | 39 | 930 | 2 | -99 | -99 | 15 | NA | 8.01 | -99 | -99 | 1978 | NA | 514 |
| 460 | 1711 | P | WALKER CREEK | 1 | 0.14 | -99 | 1.02 | 3275 | -99 | 25 | 500 | 284 | -99 | -99 | 10 | NA | 5.18 | -99 | -99 | 1243 | 140 | 2724 |
| 461 | 1720 | P | NELCHINA MINES | -99 | 0.31 | 10 | 1.47 | 4538 | -99 | 28 | 510 | 2 | -99 | -99 | 5 | NA | 5.12 | -99 | -99 | 961 | 110 | 247 |
| 462 | 1719 | P | NELCHINA MINES | -99 | 0.58 | 10 | 1.69 | 2431 | -99 | 25 | 620 | 2 | -99 | -99 | -99 | NA | 3.27 | -99 | -99 | 690 | 90 | 227 |
| 463 | 1715 | P | NELCHINA MINES | -99 | 0.13 | -99 | 1.03 | 3925 | -99 | 33 | 590 | 2 | -99 | -99 | 10 | NA | 7.53 | -99 | -99 | 1597 | NA | 399 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464 | 425 | P | EARL KRINKE | 6.23 | -99 | NA | -99 | NA | NA | -99 | 99999 | 320 | 0.5 | -99 | 3.97 | -99 | 9 | 195 | 21 | 11.62 | -99 |
| 464 | 1713 | S | EARL KRINKE | 6.08 | 1.0 | NA | -99 | NA | 2.312 | NA | NA | 260 | -99 | -99 | 2.99 | -99 | 27 | 174 | 30 | 13.14 | -99 |
| 464 | 1714 | P | EARL KRINKE | 6.29 | -99 | NA | 5 | NA | NA | 0.001 | 99999 | 350 | 0.5 | -99 | 3.81 | -99 | 12 | 154 | 25 | 12.91 | -99 |
| 465 | 424 | P | EARL KRINKE | 6.81 | 0.5 | NA | -99 | NA | NA | -99 | 99999 | 270 | 0.5 | -99 | 4.34 | 0.5 | 25 | 273 | 23 | 14.78 | -99 |
| 466 | 423 | P | Red Creek | 4.70 | 0.5 | NA | -99 | NA | NA | -99 | 2400 | 260 | -99 | -99 | 2.80 | -99 | 5 | 304 | 19 | 19.88 | -99 |
| 467 | 1631 | P | Joe Creek | 4.38 | -99 | NA | -99 | NA | NA | -99 | 2000 | 210 | -99 | -99 | 3.12 | 0.5 | -99 | 233 | 12 | 22.34 | -99 |
| 468 | 4188 | P | Red Creek | 0.91 | -99 | NA | -99 | NA | NA | 0.002 | 3200 | 210 | -99 | -99 | 0.51 | 0.5 | 18 | 268 | 23 | 99999 | -99 |
| 468 | 418 | P | Red Creek | 5.87 | -99 | NA | -99 | NA | NA | 0.002 | 99999 | 260 | 0.5 | -99 | 3.52 | -99 | 5 | 91 | 17 | 10.75 | -99 |
| 469 | 408 | P | Yacko Creek Tributary | 5.60 | -99 | NA | -99 | NA | NA | 0.002 | 6400 | 280 | -99 | -99 | 3.71 | -99 | -99 | 107 | 11 | 12.38 | -99 |
| 470 | 4048 | P | Yacko Creek | 1.07 | -99 | NA | -99 | NA | NA | -99 | -99 | 210 | -99 | -99 | 0.28 | 1 | 27 | 265 | 28 | 99999 | -99 |
| 470 | 401 | P | Yacko Creek | 1.76 | 0.5 | NA | 15 | NA | NA | NA | -99 | 40 | -99 | -99 | 14.09 | -99 | 38 | 114 | 13 | 17.64 | -99 |
| 470 | 404 | P | Yacko Creek | 2.90 | -99 | NA | -99 | NA | NA | -99 | 42 | 280 | -99 | -99 | 1.30 | -99 | -99 | 113 | 21 | 19.08 | -99 |
| 470 | 405 | G | Yacko Creek | 6.22 | -99 | NA | 110 | NA | NA | NA | 24 | 430 | 1.0 | -99 | 2.70 | -99 | -99 | 35 | 4 | 1.52 | -99 |
| 470 | 406 | G | Yacko Creek | 8.33 | 1.0 | NA | -99 | NA | NA | NA | -99 | 440 | 0.5 | 4 | 2.58 | -99 | 1 | 16 | 5 | 2.07 | -99 |
| 470 | 407 | G | Yacko Creek | 6.03 | -99 | NA | 5 | NA | NA | NA | -99 | 360 | 0.5 | -99 | 1.45 | -99 | 1 | 58 | 2 | 1.71 | -99 |
| 471 | 4038 | P | Yacko Creek Tributary | 2.40 | -99 | NA | -99 | NA | NA | 0.002 | 32 | 140 | -99 | -99 | 1.18 | -99 | 28 | 139 | 30 | 23.95 | -99 |
| 471 | 403 | P | Yacko Creek Tributary | 0.95 | -99 | NA | -99 | NA | NA | 0.002 | 54 | 200 | -99 | -99 | 0.30 | 0.5 | 11 | 241 | 24 | 99999 | -99 |
| 472 | 427 | G | Yacko Creek | 7.50 | 0.5 | NA | -99 | NA | NA | NA | -99 | 400 | 1.0 | -99 | 2.17 | -99 | 4 | 10 | 3 | 2.13 | -99 |
| 472 | 428 | G | Yacko Creek | 2.99 | 0.5 | NA | -99 | NA | NA | NA | -99 | 230 | 0.5 | 2 | 1.46 | -99 | 4 | 136 | 3 | 0.71 | -99 |
| 472 | 429 | G | Yacko Creek | 7.65 | 0.5 | NA | -99 | NA | NA | NA | -99 | 220 | 0.5 | -99 | 3.72 | -99 | 10 | 53 | 7 | 3.31 | -99 |
| 472 | 430 | G | Yacko Creek | 6.93 | 0.5 | NA | -99 | NA | NA | NA | -99 | 330 | 0.5 | -99 | 3.07 | -99 | 5 | 14 | 2 | 1.85 | -99 |
| 472 | 431 | G | Yacko Creek | 7.42 | 0.5 | NA | -99 | NA | NA | NA | -99 | 430 | 1.0 | -99 | 1.97 | -99 | 5 | 114 | 3 | 1.72 | -99 |
| 472 | 432 | G | Yacko Creek | 9.26 | -99 | NA | 20 | NA | NA | NA | -99 | 210 | 0.5 | -99 | 3.96 | -99 | 7 | 14 | 28 | 4.17 | -99 |
| 472 | 433 | G | Yacko Creek | 7.84 | 0.5 | NA | -99 | NA | NA | NA | -99 | 410 | 0.5 | -99 | 2.49 | -99 | 6 | 15 | 4 | 2.00 | -99 |
| 472 | 434 | G | Yacko Creek | 5.73 | 0.5 | NA | -99 | NA | NA | NA | -99 | 480 | 0.5 | -99 | 2.64 | -99 | -99 | 54 | 1 | 1.85 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 464 | 425 | P | EARL KRINKE | -99 | 0.52 | 10 | 1.26 | 2740 | -99 | 28 | 350 | 2 | -99 | -99 | -99 | NA | 2.16 | -99 | -99 | 554 | 50 | 139 |
| 464 | 1713 | S | EARL KRINKE | -99 | 0.55 | 10 | 1.25 | 3185 | 1 | 22 | 570 | -99 | NA | NA | -99 | NA | 2.19 | -99 | -99 | 615 | 20 | 145 |
| 464 | 1714 | P | EARL KRINKE | -99 | 0.48 | -99 | 1.48 | 2987 | -99 | 32 | 420 | 2 | -99 | -99 | 5 | NA | 2.28 | -99 | -99 | 612 | 80 | 160 |
| 465 | 424 | P | EARL KRINKE | -99 | 0.55 | 10 | 1.60 | 3650 | 5 | 30 | 430 | 2 | -99 | -99 | 5 | NA | 2.30 | -99 | -99 | 695 | -99 | 158 |
| 466 | 423 | P | Red Creek | -99 | 0.39 | 10 | 1.28 | 3000 | -99 | 34 | 370 | 2 | -99 | -99 | 10 | NA | 4.70 | -99 | -99 | 1005 | -99 | 238 |
| 467 | 1631 | P | Joe Creek | -99 | 0.25 | 10 | 1.33 | 4456 | -99 | 29 | 460 | 2 | -99 | -99 | 10 | NA | 6.58 | -99 | -99 | 1153 | 120 | 298 |
| 468 | 418B | P | Red Creek | 1 | 0.06 | -99 | 0.85 | 3290 | -99 | 55 | 480 | 2 | -99 | 10 | 20 | NA | 7.90 | -99 | -99 | 2871 | NA | 564 |
| 468 | 418 | P | Red Creek | -99 | 0.47 | -99 | 1.29 | 3184 | -99 | 24 | 370 | 2 | -99 | 10 | -99 | NA | 2.99 | -99 | -99 | 492 | 50 | 124 |
| 469 | 408 | P | Yacko Creek Tributary | 1 | 0.38 | -99 | 1.23 | 2822 | -99 | 24 | 290 | 2 | -99 | -99 | -99 | NA | 4.24 | -99 | -99 | 574 | 70 | 156 |
| 470 | 404B | P | Yacko Creek | -99 | 0.02 | -99 | 1.05 | 3009 | -99 | 62 | -99 | 2 | -99 | -99 | 20 | NA | 7.83 | -99 | -99 | 3048 | NA | 506 |
| 470 | 401 | P | Yacko Creek | 3 | 0.07 | -99 | 2.04 | 99999 | 6 | 36 | 300 | 2 | -99 | 5 | 5 | NA | 1.77 | -99 | 30 | 844 | 80 | 271 |
| 470 | 404 | P | Yacko Creek | 1 | 0.35 | -99 | 1.48 | 2635 | -99 | 28 | 180 | 2 | -99 | -99 | 10 | NA | 6.71 | -99 | -99 | 1012 | 90 | 221 |
| 470 | 405 | G | Yacko Creek | -99 | 0.59 | 10 | 0.31 | 210 | 2 | 4 | 400 | 2 | -99 | -99 | -99 | NA | 0.20 | -99 | -99 | 31 | -99 | 29 |
| 470 | 406 | G | Yacko Creek | -99 | 1.31 | -99 | 0.61 | 583 | 5 | -99 | 410 | 4 | -99 | -99 | -99 | NA | 0.26 | -99 | -99 | 36 | -99 | 31 |
| 470 | 407 | G | Yacko Creek | -99 | 2.03 | -99 | 0.22 | 245 | 3 | -99 | 250 | 2 | -99 | -99 | -99 | NA | 0.19 | -99 | -99 | 26 | -99 | 28 |
| 471 | 403B | P | Yacko Creek Tributary | -99 | 0.15 | -99 | 1.36 | 3174 | -99 | 38 | 200 | 2 | -99 | -99 | 10 | NA | 3.99 | -99 | -99 | 1100 | 100 | 281 |
| 471 | 403 | P | Yacko Creek Tributary | -99 | 0.02 | -99 | 0.91 | 3201 | -99 | 49 | -99 | 2 | -99 | -99 | 20 | NA | 7.66 | -99 | -99 | 2707 | NA | 532 |
| 472 | 427 | G | Yacko Creek | -99 | 0.93 | -99 | 0.62 | 570 | 3 | -99 | 340 | 4 | -99 | -99 | -99 | NA | 0.24 | -99 | -99 | 36 | -99 | 32 |
| 472 | 428 | G | Yacko Creek | -99 | 0.21 | 10 | 0.16 | 128 | 1 | -99 | 130 | 4 | -99 | -99 | -99 | NA | 0.09 | -99 | -99 | 13 | -99 | 11 |
| 472 | 429 | G | Yacko Creek | -99 | 0.80 | 10 | 0.89 | 460 | 2 | -99 | 650 | 4 | -99 | -99 | -99 | NA | 0.51 | -99 | -99 | 150 | -99 | 53 |
| 472 | 430 | G | Yacko Creek | -99 | 0.71 | 10 | 0.54 | 349 | 4 | -99 | 260 | 2 | -99 | -99 | 5 | NA | 0.22 | -99 | -99 | 31 | -99 | 21 |
| 472 | 431 | G | Yacko Creek | -99 | 1.88 | -99 | 0.24 | 392 | 3 | -99 | 340 | 4 | -99 | -99 | -99 | NA | 0.23 | -99 | -99 | 34 | -99 | 31 |
| 472 | 432 | G | Yacko Creek | -99 | 0.76 | 10 | 1.25 | 870 | 4 | -99 | 780 | -99 | -99 | -99 | -99 | NA | 0.57 | -99 | -99 | 134 | 10 | 75 |
| 472 | 433 | G | Yacko Creek | -99 | 1.05 | 10 | 0.55 | 561 | 4 | -99 | 410 | 6 | -99 | -99 | -99 | NA | 0.25 | -99 | -99 | 35 | -99 | 33 |
| 472 | 434 | G | Yacko Creek | 4 | 0.77 | 10 | 0.40 | 262 | 1 | -99 | 240 | -99 | -99 | -99 | -99 | NA | 0.18 | -99 | -99 | 26 | -99 | 15 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 472 | 435 | G | Yacko Creek | 2.95 | 1.0 | NA | -99 | NA | NA | NA | -99 | 390 | -99 | 2 | 1.38 | -99 | 4 | 169 | 3 | 0.60 | -99 |
| 472 | 436 | G | Yacko Creek | 8.68 | -99 | NA | 10 | NA | NA | NA | -99 | 210 | 1.0 | -99 | 3.92 | -99 | 5 | 20 | 17 | 4.31 | -99 |
| 472 | 437 | G | Yacko Creek | 7.17 | -99 | NA | 20 | NA | NA | NA | -99 | 270 | 1.0 | -99 | 2.64 | -99 | 4 | 13 | 19 | 5.39 | -99 |
| 472 | 438 | G | Yacko Creek | 8.69 | -99 | NA | -99 | NA | NA | NA | -99 | 240 | 1.0 | -99 | 3.46 | -99 | 7 | 18 | 16 | 3.93 | -99 |
| 472 | 439 | G | Yacko Creek | 8.80 | 0.5 | NA | -99 | NA | NA | NA | -99 | 270 | 1.0 | -99 | 3.64 | -99 | 10 | 31 | 22 | 3.90 | -99 |
| 472 | 441 | G | Yacko Creek | 8.90 | 0.5 | NA | -99 | NA | NA | NA | -99 | 210 | 1.0 | -99 | 3.99 | -99 | 8 | 17 | 21 | 4.65 | -99 |
| 472 | 442 | G | Yacko Creek | 6.33 | -99 | NA | -99 | NA | NA | NA | -99 | 320 | 0.5 | -99 | 2.57 | -99 | 11 | 45 | 30 | 4.08 | -99 |
| 472 | 443 | G | Yacko Creek | 6.47 | -99 | NA | -99 | NA | NA | NA | -99 | 380 | 1.0 | -99 | 2.49 | -99 | 10 | 18 | 22 | 4.03 | -99 |
| 472 | 444 | G | Yacko Creek | 6.66 | -99 | NA | -99 | NA | NA | NA | -99 | 280 | 0.5 | -99 | 2.58 | -99 | 9 | 27 | 25 | 4.16 | -99 |
| 472 | 445 | G | Yacko Creek | 7.17 | -99 | NA | 20 | NA | NA | NA | -99 | 320 | 1.0 | -99 | 2.70 | -99 | 10 | 20 | 26 | 4.43 | -99 |
| 472 | 446 | G | Yacko Creek | 7.36 | 0.5 | NA | -99 | NA | NA | NA | -99 | 330 | 1.0 | -99 | 2.65 | -99 | 11 | 23 | 23 | 4.77 | -99 |
| 472 | 447 | G | Yacko Creek | 5.55 | -99 | NA | -99 | NA | NA | NA | -99 | 240 | 1.0 | -99 | 2.36 | -99 | 8 | 46 | 21 | 3.24 | -99 |
| 473 | 402 | P | Yacko Creek Tributary | 2.76 | -99 | NA | -99 | NA | NA | 0.002 | 600 | 160 | -99 | -99 | 1.57 | 0.5 | 7 | 154 | 21 | 99999 | -99 |
| 474 | 451B | P | Yacko Creek | 1.18 | -99 | NA | -99 | NA | NA | -99 | 400 | 250 | -99 | -99 | 0.44 | 1 | 24 | 215 | 29 | 99999 | -99 |
| 474 | 451 | P | Yacko Creek | 5.32 | 1.0 | NA | -99 | NA | NA | -99 | 99999 | 280 | -99 | -99 | 3.21 | -99 | -99 | 173 | 17 | 12.85 | -99 |
| 475 | 413 | G | Yacko Creek | 7.97 | -99 | NA | 5 | NA | NA | NA | -99 | 460 | 0.5 | -99 | 1.97 | -99 | 7 | 40 | 6 | 1.80 | -99 |
| 475 | 414 | G | Yacko Creek | 9.08 | -99 | NA | 20 | NA | NA | NA | -99 | 180 | 0.5 | -99 | 4.98 | -99 | 10 | 13 | 44 | 5.08 | -99 |
| 476 | 415 | G | Yacko Creek | 8.64 | -99 | NA | 45 | NA | NA | NA | 14 | 490 | 0.5 | -99 | 0.63 | -99 | 8 | 31 | 37 | 2.72 | -99 |
| 477 | 416 | G | Yacko Creek | 9.12 | 0.5 | NA | 5 | NA | NA | NA | -99 | 180 | 0.5 | -99 | 4.63 | -99 | 13 | 36 | 49 | 4.75 | -99 |
| 478 | 410 | P | Yacko Creek | 6.95 | -99 | NA | -99 | NA | NA | 0.001 | 200 | 380 | 0.5 | -99 | 4.07 | -99 | 21 | 117 | 38 | 7.32 | -99 |
| 479 | 411 | P | Yacko Creek | 7.34 | -99 | NA | -99 | NA | NA | -99 | -99 | 370 | 0.5 | -99 | 4.86 | -99 | 15 | 116 | 35 | 6.66 | -99 |
| 480 | 412 | G | Yacko Creek | 8.53 | -99 | NA | -99 | NA | NA | NA | -99 | 210 | -99 | -99 | 4.06 | -99 | 9 | 19 | 39 | 4.99 | -99 |
| 481 | 450B | P | Yacko Creek | 0.80 | 0.5 | NA | -99 | NA | NA | 0.003 | 900 | 250 | -99 | -99 | 0.59 | 1 | 4 | 184 | 12 | 99999 | -99 |
| 481 | 450 | P | Yacko Creek | 4.61 | 6.5 | NA | -99 | NA | NA | 0.003 | 99999 | 210 | 0.5 | -99 | 3.09 | 0.5 | -99 | 179 | 12 | 19.63 | -99 |
| 482 | 417 | G | Yacko Creek | 7.19 | -99 | NA | -99 | NA | NA | NA | -99 | 180 | 0.5 | -99 | 2.99 | -99 | 3 | 165 | 28 | 2.57 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 472 | 435 | G | Yacko Creek | -99 | 0.31 | 10 | 0.09 | 66 | 2 | 1 | 70 | 2 | -99 | -99 | -99 | NA | 0.05 | -99 | -99 | 8 | -99 | 2 |
| 472 | 436 | G | Yacko Creek | -99 | 0.74 | 10 | 1.05 | 1241 | 3 | -99 | 690 | 6 | -99 | -99 | -99 | NA | 0.54 | -99 | -99 | 126 | 10 | 68 |
| 472 | 437 | G | Yacko Creek | -99 | 0.72 | 10 | 1.36 | 801 | -99 | -99 | 530 | -99 | -99 | -99 | -99 | NA | 0.45 | -99 | -99 | 95 | -99 | 60 |
| 472 | 438 | G | Yacko Creek | -99 | 0.93 | 10 | 0.98 | 952 | -99 | -99 | 690 | -99 | -99 | -99 | -99 | NA | 0.54 | -99 | -99 | 124 | -99 | 53 |
| 472 | 439 | G | Yacko Creek | -99 | 0.99 | 10 | 0.88 | 1237 | -99 | -99 | 750 | -99 | -99 | -99 | -99 | NA | 0.55 | -99 | -99 | 127 | -99 | 77 |
| 472 | 441 | G | Yacko Creek | 1 | 0.74 | 10 | 1.31 | 882 | 3 | -99 | 740 | -99 | -99 | -99 | -99 | NA | 0.56 | -99 | -99 | 130 | 10 | 72 |
| 472 | 442 | G | Yacko Creek | -99 | 0.75 | 10 | 0.90 | 682 | 2 | -99 | 410 | -99 | -99 | -99 | -99 | NA | 0.38 | -99 | -99 | 70 | -99 | 45 |
| 472 | 443 | G | Yacko Creek | -99 | 0.49 | 10 | 0.93 | 672 | 3 | -99 | 450 | -99 | -99 | 5 | -99 | NA | 0.38 | -99 | -99 | 66 | -99 | 47 |
| 472 | 444 | G | Yacko Creek | -99 | 0.78 | 10 | 0.82 | 734 | 1 | -99 | 520 | -99 | -99 | -99 | -99 | NA | 0.41 | -99 | -99 | 80 | -99 | 44 |
| 472 | 445 | G | Yacko Creek | -99 | 0.71 | 10 | 0.88 | 787 | -99 | -99 | 560 | -99 | -99 | -99 | -99 | NA | 0.44 | -99 | -99 | 72 | -99 | 59 |
| 472 | 446 | G | Yacko Creek | -99 | 0.87 | 10 | 0.88 | 882 | -99 | -99 | 580 | 2 | -99 | -99 | -99 | NA | 0.45 | -99 | -99 | 79 | -99 | 62 |
| 472 | 447 | G | Yacko Creek | 1 | 0.53 | 10 | 0.69 | 592 | -99 | -99 | 420 | -99 | -99 | -99 | -99 | NA | 0.33 | -99 | -99 | 63 | -99 | 40 |
| 473 | 402 | P | Yacko Creek Tributary | 1 | 0.20 | -99 | 1.10 | 3063 | -99 | 36 | 310 | 2 | -99 | -99 | 10 | NA | 5.72 | -99 | -99 | 1548 | NA | 324 |
| 474 | 451B | P | Yacko Creek | 3 | 0.04 | -99 | 0.95 | 3420 | -99 | 52 | 190 | 2 | -99 | -99 | 20 | NA | 7.76 | -99 | -99 | 2756 | NA | 544 |
| 474 | 451 | P | Yacko Creek | -99 | 0.45 | 10 | 1.34 | 2795 | -99 | 26 | 280 | 2 | -99 | 20 | -99 | NA | 4.90 | -99 | -99 | 562 | 60 | 149 |
| 475 | 413 | G | Yacko Creek | -99 | 2.22 | 10 | 0.48 | 303 | 4 | -99 | 380 | -99 | -99 | -99 | -99 | NA | 0.25 | -99 | -99 | 36 | -99 | 34 |
| 475 | 414 | G | Yacko Creek | -99 | 0.37 | 10 | 1.55 | 1099 | 1 | -99 | 1030 | -99 | -99 | -99 | -99 | NA | 0.59 | -99 | -99 | 140 | 10 | 60 |
| 476 | 415 | G | Yacko Creek | -99 | 7.33 | 10 | 0.50 | 349 | 7 | -99 | 850 | -99 | -99 | -99 | -99 | NA | 0.58 | -99 | -99 | 136 | -99 | 31 |
| 477 | 416 | G | Yacko Creek | -99 | 0.91 | 10 | 1.77 | 940 | 2 | 5 | 500 | -99 | -99 | -99 | 5 | NA | 0.42 | -99 | -99 | 179 | 10 | 50 |
| 478 | 410 | P | Yacko Creek | -99 | 0.51 | -99 | 1.63 | 1842 | -99 | 39 | 320 | 2 | 4 | -99 | -99 | NA | 0.98 | -99 | -99 | 263 | 30 | 86 |
| 479 | 411 | P | Yacko Creek | -99 | 0.49 | -99 | 1.33 | 1412 | -99 | 29 | 220 | 4 | -99 | -99 | 5 | NA | 1.07 | -99 | -99 | 283 | 30 | 84 |
| 480 | 412 | G | Yacko Creek | -99 | 0.81 | 10 | 1.41 | 1188 | 1 | -99 | 720 | -99 | -99 | -99 | -99 | NA | 0.54 | -99 | -99 | 126 | 10 | 62 |
| 481 | 450B | P | Yacko Creek | 1 | 0.03 | -99 | 0.79 | 3582 | -99 | 40 | 1050 | 2 | -99 | 10 | 20 | NA | 7.95 | -99 | -99 | 2455 | NA | 620 |
| 481 | 450 | P | Yacko Creek | -99 | 0.33 | 10 | 1.51 | 3230 | -99 | 28 | 810 | 2 | 4 | 220 | 10 | NA | 5.35 | -99 | -99 | 829 | 100 | 246 |
| 482 | 417 | G | Yacko Creek | -99 | 0.68 | 10 | 0.61 | 710 | 1 | -99 | 600 | -99 | -99 | -99 | -99 | NA | 0.44 | -99 | -99 | 120 | -99 | 62 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 482 | 1540 | P | Yacko Creek | 1.70 | -99 | NA | -99 | NA | NA | -99 | 4500 | 180 | -99 | -99 | 1.31 | 1 | 2 | 167 | 9 | 99999 | -99 |
| 483 | 449B | P | Yacko Creek | 5.57 | 2.5 | NA | -99 | NA | NA | 0.001 | 99999 | 260 | 0.5 | -99 | 3.45 | -99 | -99 | 204 | 16 | 11.07 | -99 |
| 483 | 449 | P | Yacko Creek | 1.84 | 0.5 | NA | -99 | NA | NA | 0.001 | 640 | 40 | -99 | -99 | 0.66 | 0.5 | 47 | 214 | -99 | 99999 | -99 |
| 484 | 1539 | P | Yacko Creek | 1.30 | -99 | NA | -99 | NA | NA | -99 | 370 | 170 | -99 | -99 | 1.52 | 1 | -99 | 184 | 15 | 99999 | -99 |
| 485 | 448B | P | Yacko Creek | 1.03 | 0.5 | NA | -99 | NA | NA | 0.003 | 2000 | 200 | -99 | -99 | 0.46 | 1.5 | 20 | 178 | 8 | 99999 | -99 |
| 485 | 448 | P | Yacko Creek | 4.82 | 1.0 | NA | -99 | NA | NA | 0.003 | 99999 | 220 | 0.5 | -99 | 3.20 | -99 | -99 | 125 | 2 | 13.54 | -99 |
| 486 | 409 | P | Yacko Creek Tributary | 6.30 | -99 | NA | -99 | NA | NA | 0.002 | 99999 | 280 | 0.5 | -99 | 4.15 | -99 | 4 | 187 | 28 | 12.50 | -99 |
| 486 | 440 | P | Red Creek | 6.38 | 0.5 | NA | 15 | NA | NA | -99 | 3000 | 360 | 0.5 | -99 | 3.80 | -99 | 18 | 283 | 33 | 6.79 | -99 |
| 487 | 422 | P | Red Creek | 5.12 | -99 | NA | -99 | NA | NA | -99 | 6400 | 260 | 0.5 | -99 | 3.21 | -99 | 7 | 125 | 20 | 15.93 | -99 |
| 488 | 419 | P | Red Creek | 6.28 | -99 | NA | 5 | NA | NA | -99 | 16 | 320 | 0.5 | -99 | 4.13 | -99 | 13 | 132 | 19 | 9.67 | -99 |
| 488 | 420 | SC | Red Creek | 7.70 | -99 | NA | 5 | NA | NA | NA | -99 | 290 | 0.5 | -99 | 3.58 | -99 | 15 | 50 | 25 | 8.01 | -99 |
| 488 | 421 | P | Red Creek | 6.47 | -99 | NA | -99 | NA | NA | 0.002 | 200 | 400 | 0.5 | -99 | 3.64 | -99 | 13 | 110 | 36 | 5.92 | -99 |
| 489 | 1632 | P | Joe Creek | 6.65 | 0.5 | NA | -99 | NA | NA | 0.001 | 99999 | 270 | 0.5 | -99 | 3.98 | 0.5 | 4 | 346 | 15 | 13.06 | -99 |
| 490 | 1803 | P | TYONE CREEK | 6.47 | -99 | NA | -99 | NA | NA | -99 | 1000 | 500 | 0.5 | -99 | 2.63 | -99 | 16 | 102 | 36 | 10.29 | -99 |
| 491 | 1804 | P | TYONE CREEK | 5.40 | -99 | NA | -99 | NA | NA | -99 | 100 | 370 | -99 | -99 | 2.56 | 0.5 | 9 | 159 | 31 | 15.96 | -99 |
| 492 | 1616 | P | TYONE CREEK | 5.35 | -99 | NA | -99 | NA | NA | 0.001 | 9800 | 360 | 0.5 | -99 | 2.55 | 0.5 | 9 | 104 | 33 | 17.37 | -99 |
| 493 | 1617 | P | TYONE CREEK | 5.00 | 2.0 | NA | 5 | NA | NA | 0.001 | 99999 | 250 | 0.5 | -99 | 2.30 | -99 | 1 | 120 | 31 | 21.11 | -99 |
| 494 | 1618 | P | TYONE CREEK | 2.23 | 0.5 | NA | -99 | NA | NA | -99 | 99999 | 150 | -99 | -99 | 1.43 | 0.5 | -99 | 122 | 6 | 99999 | -99 |
| 495 | 1619 | S | TYONE CREEK | 7.26 | 186.5 | NA | 50 | NA | NA | NA | 99999 | 120 | -99 | 2 | 7.51 | -99 | 36 | 248 | 47 | 8.99 | 10 |
| 495 | 1624 | S | TYONE CREEK | 7.43 | 107.8 | NA | 50 | NA | NA | -99 | 99999 | 130 | -99 | -99 | 7.66 | -99 | 37 | 211 | 47 | 9.15 | 10 |
| 495 | 1625 | P | TYONE CREEK | 4.84 | -99 | NA | 10 | NA | NA | -99 | 99999 | 300 | 0.5 | -99 | 2.41 | 0.5 | 2 | 108 | 19 | 20.51 | -99 |
| 496 | 1626 | RC | TYONE CREEK | 6.96 | 0.5 | NA | -99 | 5 | NA | NA | NA | 420 | -99 | 4 | 2.71 | -99 | 22 | 95 | 32 | 4.06 | 10 |
| 496 | 1627 | RC | TYONE CREEK | 7.73 | 0.5 | NA | -99 | -99 | NA | NA | NA | 400 | -99 | 2 | 3.24 | 0.5 | 22 | 71 | 36 | 4.03 | 10 |
| 496 | 1628 | P | TYONE CREEK | 2.28 | -99 | NA | -99 | NA | NA | -99 | 300 | 230 | -99 | -99 | 1.43 | 1 | -99 | 167 | 12 | 99999 | -99 |
| 497 | 1629 | P | TYONE CREEK | 5.05 | -99 | NA | -99 | NA | NA | -99 | 10 | 360 | -99 | -99 | 2.59 | -99 | 11 | 130 | 23 | 18.47 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 482 | 1540 | P | Yacko Creek | 1 | 0.11 | 10 | 1.09 | 3535 | -99 | 31 | 1200 | 2 | -99 | -99 | 10 | NA | 7.80 | -99 | -99 | 1823 | NA | 484 |
| 483 | 449B | P | Yacko Creek | -99 | 0.55 | 10 | 1.70 | 2436 | -99 | 27 | 580 | 2 | 4 | 45 | 5 | NA | 5.46 | 10 | -99 | 457 | 50 | 126 |
| 483 | 449 | P | Yacko Creek | 1 | 0.06 | 10 | 1.00 | 3520 | 14 | 35 | 1150 | 2 | -99 | -99 | 20 | NA | 6.72 | -99 | -99 | 2580 | -99 | 644 |
| 484 | 1539 | P | Yacko Creek | 2 | 0.08 | 10 | 0.96 | 3479 | -99 | 33 | 1810 | 2 | -99 | -99 | 25 | NA | 7.76 | -99 | -99 | 1870 | NA | 527 |
| 485 | 448B | P | Yacko Creek | 2 | 0.06 | -99 | 0.95 | 3806 | -99 | 38 | 380 | 2 | -99 | -99 | 25 | NA | 7.61 | -99 | -99 | 2633 | NA | 613 |
| 485 | 448 | P | Yacko Creek | -99 | 0.42 | 10 | 1.41 | 2790 | -99 | 19 | 170 | 2 | -99 | -99 | 5 | NA | 6.46 | -99 | -99 | 415 | 70 | 136 |
| 486 | 409 | P | Yacko Creek Tributary | -99 | 0.39 | 10 | 1.20 | 3904 | -99 | 32 | 330 | 4 | 4 | -99 | 5 | NA | 3.20 | -99 | -99 | 558 | 60 | 144 |
| 486 | 440 | P | Red Creek | -99 | 0.48 | 10 | 1.04 | 2132 | -99 | 33 | 180 | 6 | -99 | -99 | 5 | NA | 1.11 | -99 | -99 | 270 | 20 | 85 |
| 487 | 422 | P | Red Creek | -99 | 0.38 | -99 | 1.24 | 2801 | -99 | 33 | 420 | 2 | -99 | -99 | 5 | NA | 3.60 | -99 | -99 | 887 | 70 | 207 |
| 488 | 419 | P | Red Creek | -99 | 0.50 | 10 | 1.44 | 2070 | -99 | 25 | 440 | 6 | -99 | -99 | 5 | NA | 2.03 | -99 | -99 | 448 | 50 | 131 |
| 488 | 420 | SC | Red Creek | 1 | 0.74 | 10 | 2.22 | 1065 | -99 | 11 | 540 | -99 | -99 | -99 | -99 | NA | 0.88 | -99 | -99 | 350 | 20 | 111 |
| 488 | 421 | P | Red Creek | -99 | 0.55 | -99 | 1.20 | 1429 | -99 | 29 | 280 | 6 | -99 | -99 | -99 | NA | 0.93 | -99 | -99 | 240 | 20 | 84 |
| 489 | 1632 | P | Joe Creek | -99 | 0.30 | 10 | 1.28 | 7852 | -99 | 22 | 360 | 2 | -99 | -99 | -99 | NA | 2.90 | -99 | -99 | 509 | 60 | 144 |
| 490 | 1803 | P | TYONE CREEK | 1 | 0.79 | 10 | 1.51 | 1835 | -99 | 25 | 740 | 2 | -99 | -99 | 5 | NA | 2.00 | -99 | -99 | 456 | 60 | 183 |
| 491 | 1804 | P | TYONE CREEK | -99 | 0.61 | 10 | 1.49 | 2909 | -99 | 30 | 600 | 2 | -99 | -99 | 5 | NA | 3.47 | -99 | -99 | 847 | 90 | 259 |
| 492 | 1616 | P | TYONE CREEK | -99 | 0.61 | 10 | 1.38 | 2967 | -99 | 26 | 1200 | 2 | -99 | -99 | 5 | NA | 2.97 | -99 | -99 | 735 | 90 | 282 |
| 493 | 1617 | P | TYONE CREEK | -99 | 0.49 | 10 | 1.23 | 5582 | -99 | 22 | 1340 | 664 | -99 | -99 | 15 | NA | 3.64 | -99 | -99 | 835 | 30 | 299 |
| 494 | 1618 | P | TYONE CREEK | 1 | 0.14 | 10 | 0.82 | 4732 | -99 | 19 | 1500 | 2 | 60 | -99 | 10 | NA | 5.65 | -99 | -99 | 1150 | NA | 465 |
| 495 | 1619 | S | TYONE CREEK | 3 | 0.22 | -99 | 2.45 | 3128 | 1 | 33 | 1820 | 20 | 32 | 120 | -99 | NA | 0.72 | -99 | -99 | 277 | 10 | 92 |
| 495 | 1624 | S | TYONE CREEK | 1 | 0.23 | -99 | 2.33 | 3514 | -99 | 32 | 1800 | 14 | 32 | -99 | -99 | NA | 0.74 | -99 | -99 | 281 | 10 | 86 |
| 495 | 1625 | P | TYONE CREEK | -99 | 0.43 | 10 | 1.16 | 4038 | -99 | 21 | 1170 | 2 | -99 | -99 | 10 | NA | 3.63 | -99 | -99 | 718 | 110 | 319 |
| 496 | 1626 | RC | TYONE CREEK | 2 | 0.74 | 20 | 1.46 | 854 | -99 | 16 | 560 | 2 | NA | NA | -99 | NA | 0.40 | -99 | -99 | 146 | -99 | 57 |
| 496 | 1627 | RC | TYONE CREEK | 1 | 0.67 | 20 | 1.36 | 832 | 3 | 21 | 680 | 2 | NA | NA | -99 | NA | 0.43 | -99 | -99 | 137 | -99 | 64 |
| 496 | 1628 | P | TYONE CREEK | -99 | 0.19 | -99 | 0.90 | 3511 | -99 | 26 | 1120 | 2 | -99 | -99 | 10 | NA | 5.61 | -99 | -99 | 1361 | NA | 419 |
| 497 | 1629 | P | TYONE CREEK | -99 | 0.50 | -99 | 1.38 | 2404 | -99 | 28 | 850 | 2 | -99 | -99 | 5 | NA | 2.79 | -99 | -99 | 794 | 100 | 262 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Al % | Ag ppm | Ag oz/t | As ppm | Au ppb | Au oz/t | Au oz/cy | Au AFS ppb | Ba ppm | Be ppm | Bi ppm | Ca % | Cd ppm | Co ppm | Cr ppm | Cu ppm | Fe % | Ga ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 498 | 1732 | P | LITTLE NELCHINA R. | 1.42 | -99 | NA | -99 | NA | NA | -99 | 2800 | 240 | -99 | -99 | 1.16 | 1 | -99 | 175 | 14 | 99999 | -99 |
| 499 | 1559 | CR | LITTLE NELCHINA R. | 7.50 | 0.5 | NA | 255 | 5 | NA | NA | NA | 1250 | -99 | 6 | 2.58 | 0.5 | 19 | 43 | 46 | 5.31 | 10 |
| 500 | 1558 | P | LITTLE NELCHINA R. | 1.62 | -99 | NA | 45 | NA | NA | -99 | 6 | 170 | -99 | -99 | 1.61 | 1 | -99 | 124 | 3 | 99999 | -99 |

99999 Greater than detection limit. -99 Less than detection limit. NA Not analyzed.

APPENDIX B. - Results of analyses of samples collected from the Valdez Creek Mining District during 1988--Continued

| Map no. | Sample no. | Sample Type | Sample Location ID: PROPERTY NAME or Location Description | Hg ppm | K % | La ppm | Mg % | Mn ppm | Mo ppm | Ni ppm | P ppm | Pb ppm | Pd AFS ppb | Pt AFS ppb | Sb ppm | Sn ppm | Ti % | Tl ppm | U ppm | V ppm | W ppm | Zn ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 498 | 1732 | P | LITTLE NELCHINA R. | 2 | 0.07 | 10 | 0.91 | 4400 | -99 | 32 | 1590 | 2 | -99 | -99 | 10 | NA | 7.81 | -99 | -99 | 1646 | NA | 561 |
| 499 | 1559 | CR | LITTLE NELCHINA R. | 2 | 0.72 | 30 | 0.98 | 368 | 46 | 13 | 580 | 2 | NA | NA | -99 | NA | 0.40 | -99 | -99 | 94 | -99 | 45 |
| 500 | 1558 | P | LITTLE NELCHINA R. | 1 | 0.13 | 10 | 0.64 | 3500 | -99 | 20 | 1770 | 2 | -99 | -99 | 15 | NA | 5.51 | -99 | -99 | 1068 | NA | 531 |

APPENDIX C. - Placer Concentrate Analyses Conversion Table

| Abbreviation | Unit of measure | To convert to-- | Multiply by-- |
|---|---|---|---|
| ppm... | parts per million | [1]ppm | [2]b/136,077 |
| ppb... | parts per billion | [3]ppb | [2]b/136,077 |
| ppm... | parts per million | [4]oz/yd$^3$ | [2]b X ($3.233 \times 10^{-7}$) |
| ppb... | parts per billion | [4]oz/yd$^3$ | [2]b X ($3.233 \times 10^{-10}$) |

[1]Used to convert placer concentrate values (ppm) to the value (ppm) that exists in the virgin gravel.
[2]The letter "b" represents the mass in grams of the concentrate recovered from a placer sample. The exact mass of each of the placer sample concentrates is unknown; however, the average mass of each sample was 75 grams.
[3]Used to convert placer concentrate values (ppb) to the value (ppb) that exists in the virgin gravel.
[4]Used to convert placer concentrate values (ppm) to the value (oz/cy) that exists in the virgin gravel.
Note--Conversion factors for placer samples are based on gravel densities of 3000 lbs/yd$^3$.