

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

by Michael D. Balen



U.S. DEPARTMENT OF THE INTERIOR  
Manuel Lujan Jr., Secretary

BUREAU OF MINES  
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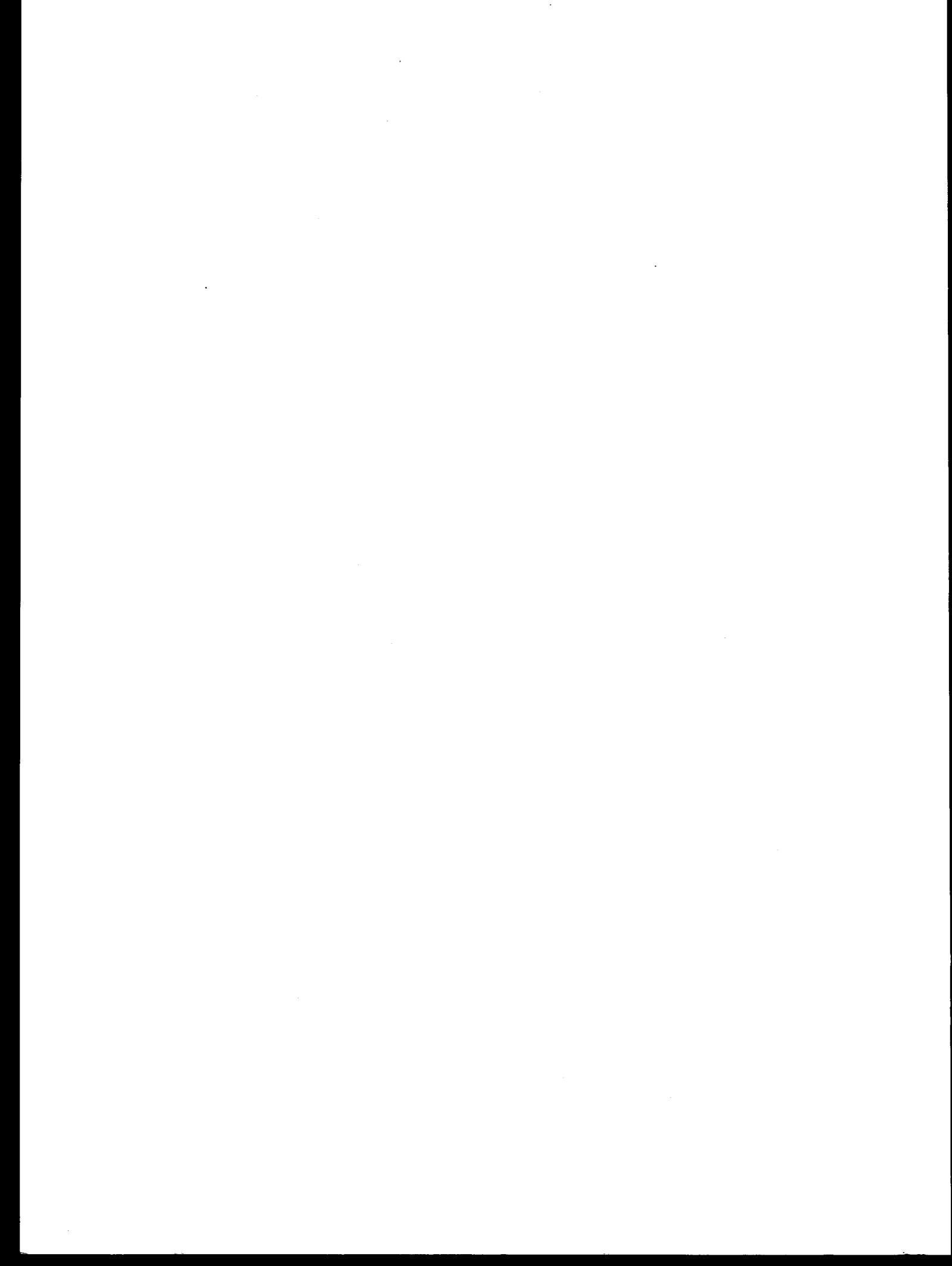
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UNIT OF MEASURE ABBREVIATIONS USED IN THIS REPORT

°	degrees
%	percent
F	Fahrenheit
ft	feet, foot
ft <sup>2</sup>	square feet
ft <sup>3</sup>	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 <sup>3</sup>	troy ounces per cubic yard
ppb	parts per billion
ppm	parts per million
st	short ton
yd <sup>3</sup>	cubic yard



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

by Michael D. Balen<sup>1</sup>

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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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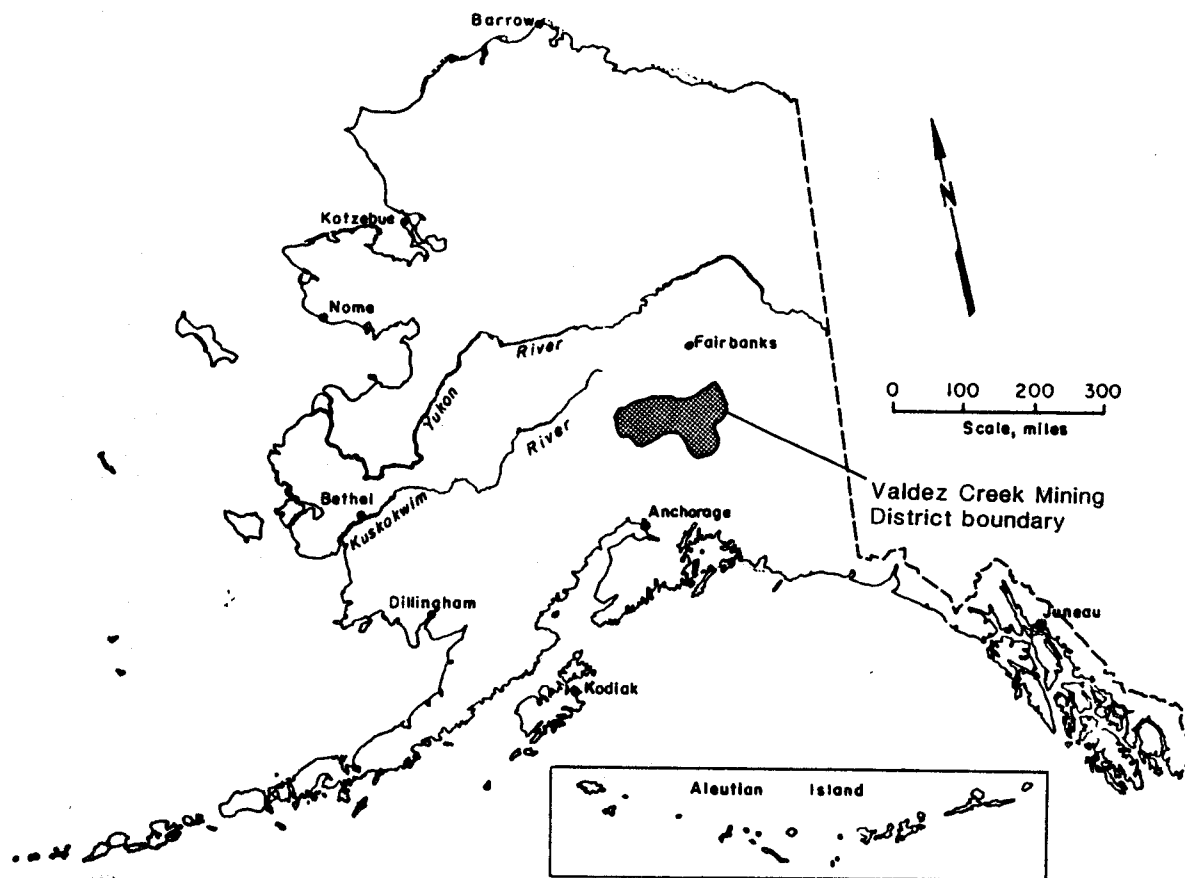


Figure 1.--Index map of Alaska showing the Valdez Creek Mining District

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 DGGG 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), DGGG, Bureau, private companies, and by graduate students from various universities.

Brooks, of the USGS, first reported on the district as early as 1908 (27)<sup>2</sup>. 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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<sup>2</sup>Numbers in parentheses refer to the references found in the bibliography preceding the appendices.

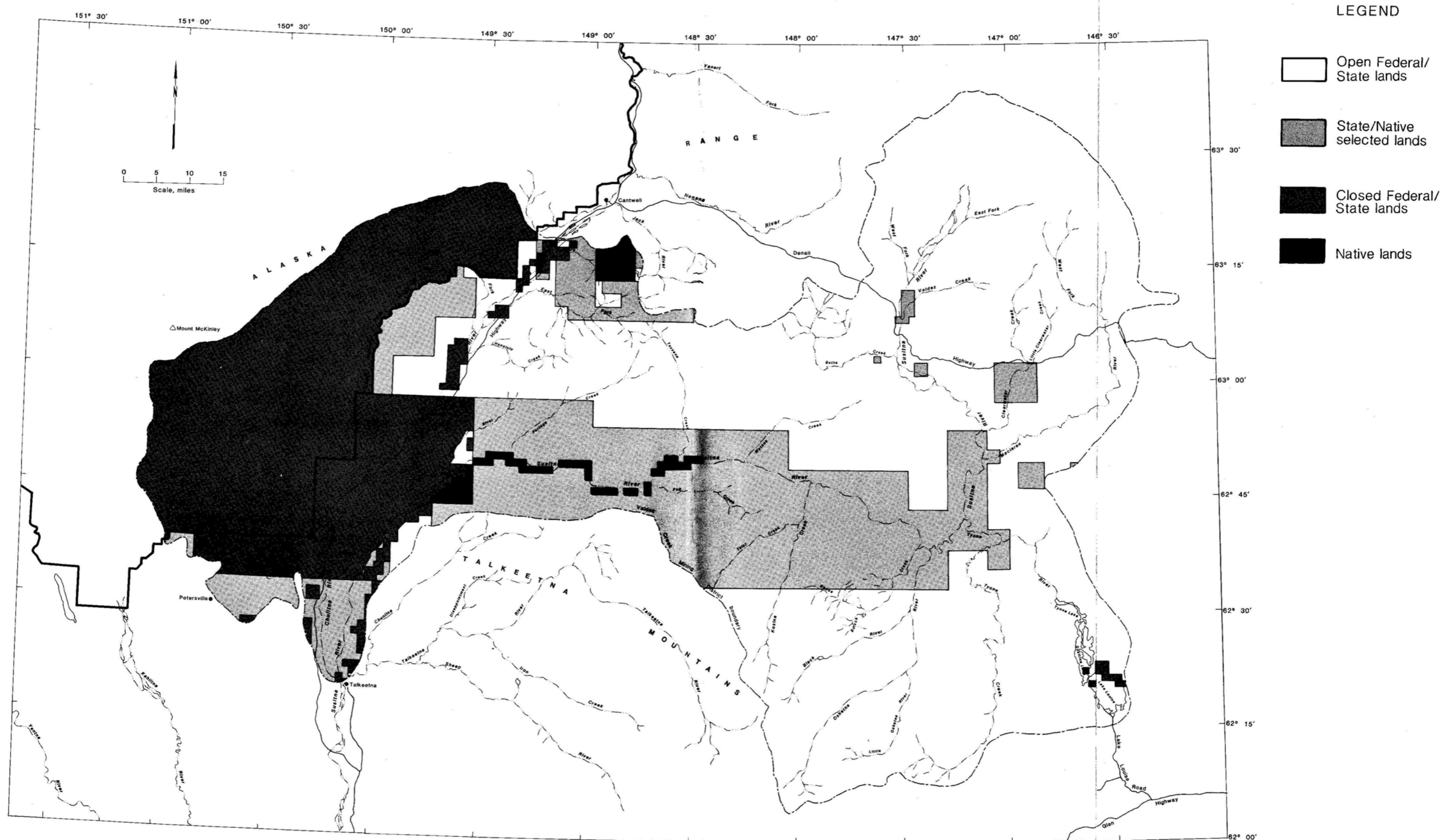


FIGURE 2. —Land Status Map for The Valdez Creek Mining District, Alaska [18]

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<sup>3</sup> 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<sup>3</sup>. 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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<sup>3</sup>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<sup>3</sup> 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<sup>3</sup>

Map no.	Sample no.	Location description	Gold oz/yd <sup>3</sup>
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 concentrates 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 oz/st	Au oz/st	Pb %	Sb %	Zn %
	no.	Type					
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 serpentinitized 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<sup>3</sup> were collected from 10 placer occurrences. Of these 22 samples, 14 had values greater than 0.004 oz/yd<sup>3</sup>. 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<sup>3</sup>. 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<sup>3</sup> 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<sup>3</sup>. This was calculated using an in-place gravel density of 3000 lbs/yd<sup>3</sup>.

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<sup>3</sup>.

### 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

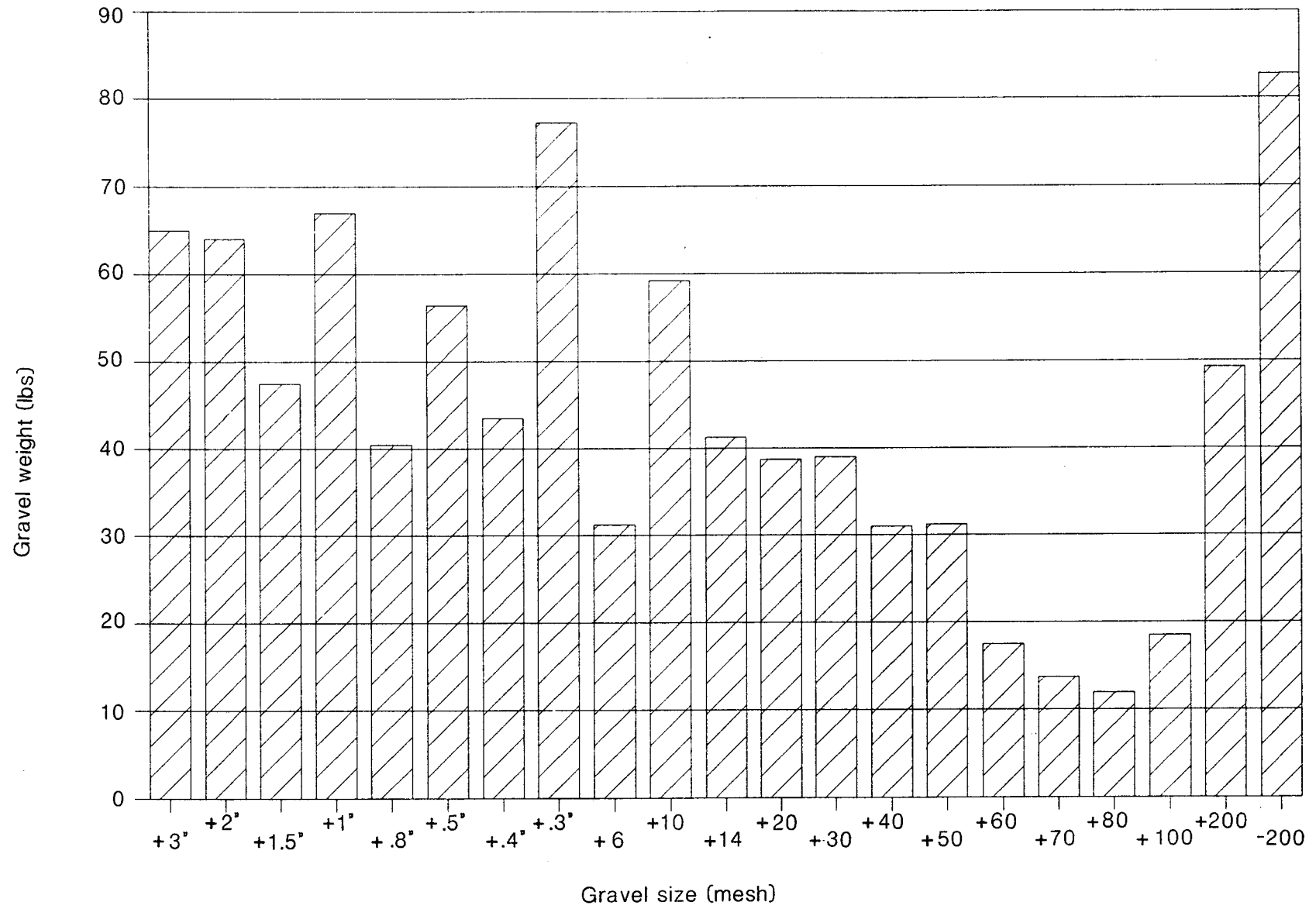


Figure 5. -- Gravel size distribution for the Valdez Creek sample.

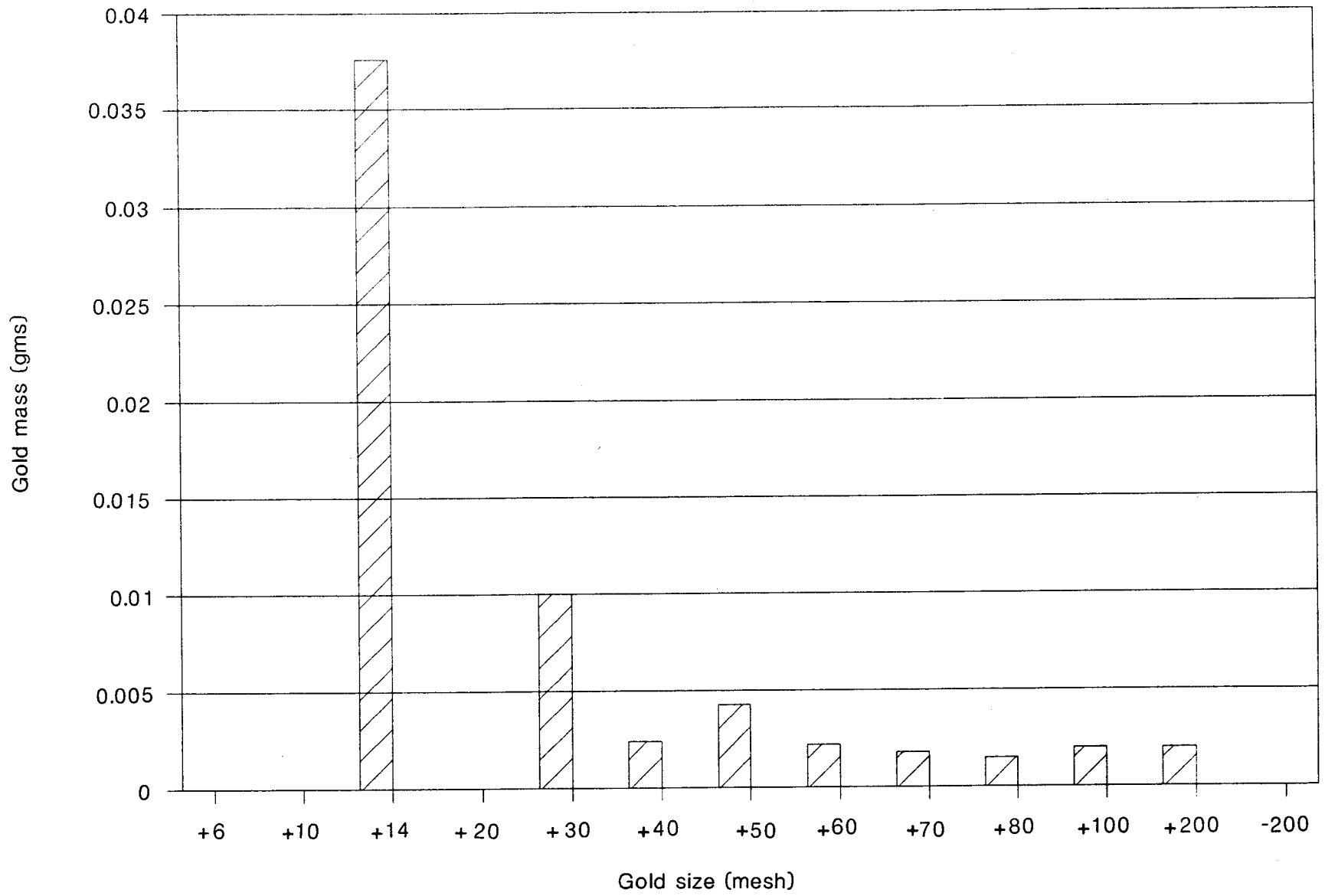


Figure 6.-- Gold size distribution for the Valdez Creek sample.

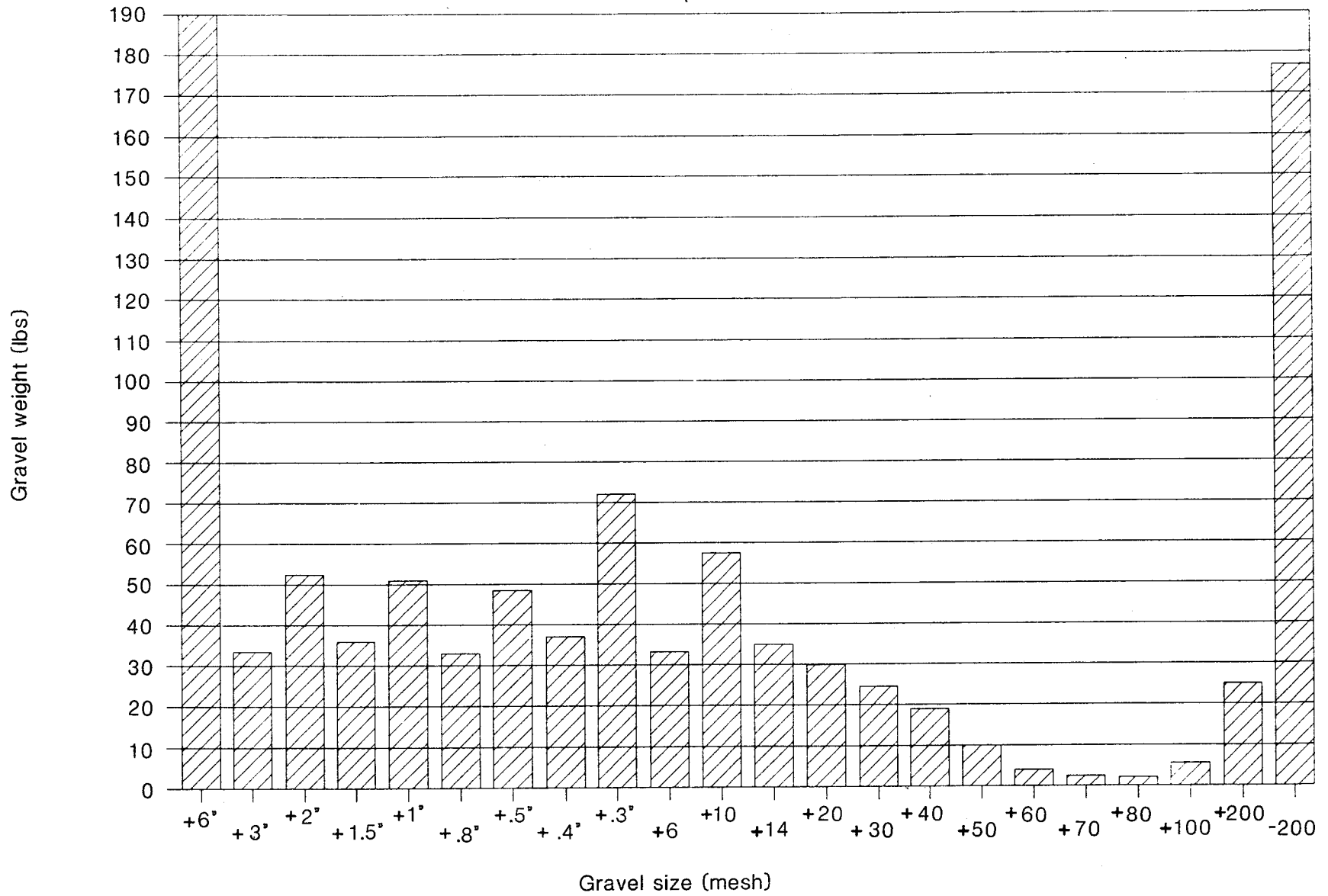


Figure 7. -- Gravel size distribution for the White Creek sample.



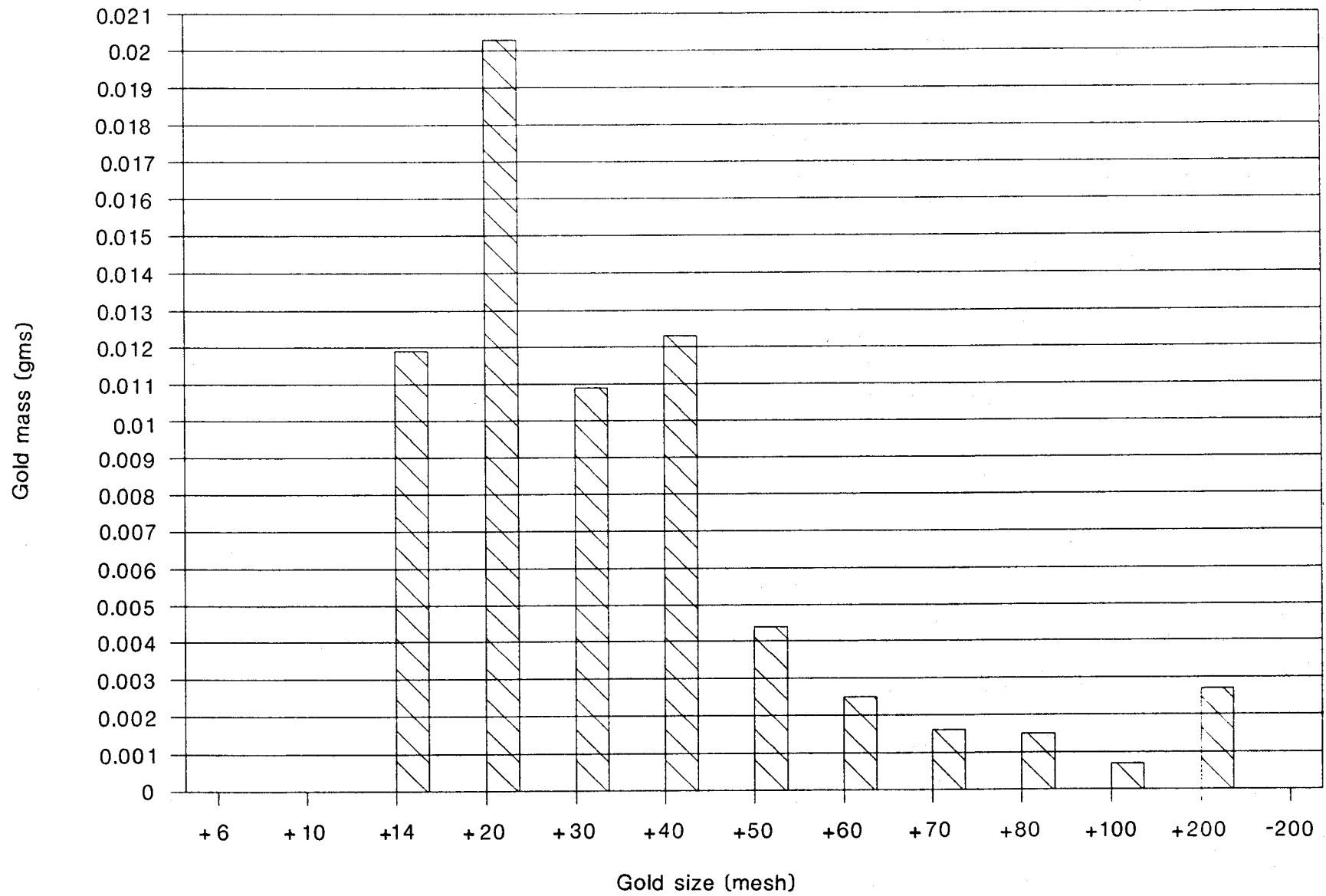


Figure 8. -- Gold size distribution for the White Creek sample

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 no.	Sample		Ag ppm	Au oz/st
	no.	type		
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<sup>2</sup>; 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 no.	Sample		Ag ppm	Au oz/st	Cu %	Sb ppm	W ppm	Zn ppm
	no.	type						
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 <sup>1</sup>	0.02	5	30	68
46...	1652	S	9.0	45 <sup>1</sup>	3.17	ND	480	276
46...	1655	RC	5.0	10 <sup>1</sup>	1.30	ND	200	203
49...	1826	S	60.0	ND	9.47	5	1,170	646

ND Not detected. <sup>1</sup>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 No.	Sample		Au oz/st	Ag ppm	Co ppm	Cu %	Sb ppm
	No.	Type					
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 no.	Sample		Ag oz/st	Au oz/st	Pb %	Zn %	Sb ppm	Cu %
	no.	Type						
266	2134	RC	0.99	165 <sup>1</sup>	20 <sup>2</sup>	72 <sup>2</sup>	140	0.13
266	2136	RC	0.09	0.062	ND	ND	60	ND
266	2138	CC	1.97	140 <sup>1</sup>	0.37	0.05	250	0.11
266	2140	CC	0.77	800 <sup>1</sup>	14 <sup>2</sup>	0.03	5	0.79
266	2141	RC	7.29	240 <sup>1</sup>	0.32	0.21	35	0.85
266	2142	RC	5.86	75 <sup>1</sup>	>1	0.24	325	0.14
266	2143	S	54.90	135 <sup>1</sup>	>1	9.20	270	2.60
266	2145	RC	5.54	130 <sup>1</sup>	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 <sup>3</sup>	650 <sup>1</sup>	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. <sup>1</sup>Results in ppb. <sup>2</sup>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 No.	Sample		Cr ppm	Co ppm	Cu ppm	Ni ppm	Pt ppb
	No.	Type					
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 no.	Sample		Ag ppm	Pb %	Sb ppm	Zn %
	no.	Type				
183.	1994	G	11.0	106 <sup>1</sup>	ND	5.45
184.	2429	S	42.0	550 <sup>1</sup>	ND	0.27
184.	2430	S	2.85 <sup>2</sup>	392 <sup>1</sup>	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 <sup>1</sup>
185.	2437	S	102.0	0.48	150	1.49
186.	2445	SC	152.0	34 <sup>1</sup>	ND	149 <sup>1</sup>
186.	2446	SC	124.0	18 <sup>1</sup>	ND	19 <sup>1</sup>
187.	1999	CR	56.0	10 <sup>1</sup>	ND	105 <sup>1</sup>
195.	2330	CC	26.50 <sup>2</sup>	1.21	340	0.28
195.	2335	S	304.0	0.38	105	165 <sup>1</sup>

<sup>1</sup>Results in ppm. <sup>2</sup>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
W 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.	Serpentinite.	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
49 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 <sup>1</sup> .....	0.002 oz/st	20.00 oz/st
Au.....	5.0 ppb	10,000 ppb

<sup>1</sup>(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 <sup>1</sup> .....	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 %

<sup>1</sup>( $\frac{1}{2}$  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

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		Sample Location ID:																			
Map no.	Sample no.	Sample Type	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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	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
55	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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-99	213	-99	49	

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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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

			Sample Location ID:																			
Map no.	Sample no.	Sample Type	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

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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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

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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

Sample Location ID:																							
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	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

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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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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

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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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm
48	1643	CC	KATHLEEN MARGARET	1	0.01	-99	0.03	403	-99	4	-99	10	NA	NA	15	NA	-99	-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	-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	-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	-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	-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	-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	-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	-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	-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	-99	76	20	36	
50	1666	RC	MT. VIEW LODGE	-99	0.16	-99	4.08	1250	-99	102	600	-99	NA	NA	10	NA	0.85	-99	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-99	275	70	50	

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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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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 LODGE	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 LODGE	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	

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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

Sample Location ID:																								
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	AFS ppm	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	-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	-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	-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	-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	-99	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	-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	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	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	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	-99	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	-99	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	-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	-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	-99	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	-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	-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	-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	-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	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	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	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	-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	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	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	-99	NA	0.90	-99	-99	288	40	100

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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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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	-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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

			Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	AFS ppm	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	-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		

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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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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 LODGE	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 LODGE	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 LODGE	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 LODGE	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

		Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	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	-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	-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	-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	-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	-99	212	230	116
100	1878	CC	BLACK CREEK LODGE	-99	1.84	10	0.40	465	1	1	760	22	NA	NA	-99	NA	0.27	-99	-99	-99	66	10	281
100	1918	P	BLACK CREEK LODGE	-99	1.13	10	2.23	992	-99	20	1160	76	10	25	5	NA	0.47	-99	-99	-99	504	70	103
101	1751	P	BLACK CREEK LODGE	25	1.33	10	2.10	764	-99	35	920	4	4	25	5	NA	0.59	-99	-99	-99	401	50	122
101	1877	S	BLACK CREEK LODGE	-99	1.45	-99	1.97	990	-99	35	660	82	NA	NA	10	NA	0.19	-99	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-99	1	-99	4

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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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	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		

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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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

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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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	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

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Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	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	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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

			Sample Location ID:																			
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS Pt ppb	AFS 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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
172	1911	RC	Wickersham Creek	-99	1.61	10	2.31	750	1	34	790	4	NA	NA	-99	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	-99	NA	0.63	-99	-99	201	10	137
173	1909	P	MAY NADELI	-99	0.78	20	2.71	3249	-99	38	710	10	-99	-99	5	NA	-99	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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-99	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	-99	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	-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	-99	NA	0.16	-99	-99	9	50	2263

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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

		Sample Location ID:																			
Map no.	Sample no.	Sample Type	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

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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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt 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	

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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

Sample Location ID:			Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt 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	-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	-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	-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	-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	

85

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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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.

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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	AFS ppb	Pt 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	-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	-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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au	AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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		

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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

		Sample Location ID:																			
Map no.	Sample no.	Sample Type	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

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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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	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	

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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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

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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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	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.

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

Sample Location ID:

Map no.	Sample no.	Sample Type	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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt 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	

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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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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

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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

		Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt 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	

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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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

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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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
281	2119	RC	SHOTGUN CREEK LODE	-99	-99	-99	11.68	587	-99	974	-99	2	NA	NA	-99	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	-99	NA	-99	-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	-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	-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	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	-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	-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	-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	-99	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	-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	-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	-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	-99	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	-99	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	-99	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	-99	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	-99	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	-99	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	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	-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	-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	-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	-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	-99	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	-99	NA	2.26	-99	-99	316	20	107

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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

			Sample Location ID:																		
Map no.	Sample no.	Sample Type	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

		Sample Location ID:																						
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	AFS ppm	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

			Sample Location ID:																			
Map no.	Sample no.	Sample Type	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	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		

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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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au	AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

		Sample Location ID:																						
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	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	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	-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	-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	-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	-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	-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	-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	-99	10	-99	NA	-99	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	-99	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	-99	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	-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	-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	-99	10	-99	NA	-99	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	-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	-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	-99	40	-99	NA	-99	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	-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	-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	-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	-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	-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	-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	-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	-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	-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

		Sample Location ID:																			
Map no.	Sample no.	Sample Type	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	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	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	20	-99	2	0.04	-99	-99	187	1	0.33	-99	

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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

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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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

			Sample Location ID:																				
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	AFS ppb	Pt 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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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

Sample Location ID:																							
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	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	-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	-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	-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	-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	

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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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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:	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	AFS ppb	Pt ppb	Sb ppm	Sn ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
			PROPERTY NAME or Location Description																				
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

Sample Location ID:																					
Map no.	Sample no.	Sample Type	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	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	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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au	Au	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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	

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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

			Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	AFS ppm	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

		Sample Location ID:																				
Map no.	Sample no.	Sample Type	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

Sample Location ID:																								
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au	AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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	

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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

Sample Location ID:																							
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

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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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	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		

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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

Sample Location ID:																						
Map no.	Sample no.	Sample Type	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

		Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt 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	

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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

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Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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	404B	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	403B	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

			Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	AFS ppm	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	-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	-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	-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	-99	10	NA	6.58	-99	-99	1153	120	298	
468	4188	P	Red Creek	1	0.06	-99	0.85	3290	-99	55	480	2	-99	-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	-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	-99	NA	4.24	-99	-99	574	70	156	
470	4048	P	Yacko Creek	-99	0.02	-99	1.05	3009	-99	62	-99	2	-99	-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	-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	-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	4038	P	Yacko Creek Tributary	-99	0.15	-99	1.36	3174	-99	38	200	2	-99	-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	-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	-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		

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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

		Sample Location ID:																			
Map no.	Sample no.	Sample Type	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

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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

Sample Location ID:																								
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppm	AFS ppb	Pt ppb	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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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	-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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

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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

			Sample Location ID:																					
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm	Ni ppm	P ppm	Pb ppm	Pd ppb	AFS ppb	Pt ppb	AFS ppm	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

Sample Location ID:				Al	Ag	Ag	As	Au	Au	Au	Au AFS	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	%	ppm	oz/t	ppm	ppb	oz/t	oz/cy	ppb	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	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

Sample Location ID:				Hg	K	La	Mg	Mn	Mo	Ni	P	Pb	Pd	AFS	Pt	AFS	Sb	Sn	Ti	Tl	U	V	W	Zn
Map no.	Sample no.	Sample Type	PROPERTY NAME or Location Description	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb	ppb	ppb	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	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	<sup>1</sup> ppm	<sup>2</sup> b/136,077
ppb...	parts per billion	<sup>3</sup> ppb	<sup>2</sup> b/136,077
ppm...	parts per million	<sup>4</sup> oz/yd <sup>3</sup>	<sup>2</sup> b X (3.233 X 10 <sup>-7</sup> )
ppb...	parts per billion	<sup>4</sup> oz/yd <sup>3</sup>	<sup>2</sup> b X (3.233 X 10 <sup>-10</sup> )

<sup>1</sup>Used to convert placer concentrate values (ppm) to the value (ppm) that exists in the virgin gravel.

<sup>2</sup>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.

<sup>3</sup>Used to convert placer concentrate values (ppb) to the value (ppb) that exists in the virgin gravel.

<sup>4</sup>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<sup>3</sup>.