COMPILATION OF DATA FOR PHASE I OF THE MINERAL RESOURCE EVALUATION OF THE BUREAU OF LAND MANAGEMENT BLACK RIVER AND FORTYMILE RIVER SUBUNITS

By Roger E. Burleigh and Kerry G. Lear

Open File Report
OFR 48-94

TABLE OF CONTENTS

ILLUSTRATIONS

TABLES

UNIT OF MEASURE ABBREVIATIONS USED IN THIS REPORT

cm	centimeter
cps	counts per second
ft	feet
in	inch
km	kilometers
m	meters
oz/ton	troy ounce per short ton
ppb	parts per billion
pct	percent
ppm	parts per million
%	percent

COMPILATION OF DATA FOR PHASE I OF THE MINERAL RESOURCE EVALUATION OF THE BUREAU OF LAND MANAGEMENT BLACK RIVER AND FORTYMILE RIVER SUBUNITS

By Roger E. Burleigh[1], and Kerry G. Lear[2]

ABSTRACT

The Alaska State Director of the Bureau of Land Management requested the U.S. Bureau of Mines to evaluate the mineral resources and mine hazards of the Fortymile River and Black River Planning Subunits located in east-central Alaska. The subunits comprise about 16,188 square km (4 million acres). This report compiles the historic mining and exploration activity and analytical results from the phase I reconnaissance of the planning subunits. This data, combined with results from phase II (1995), will be used in a probabilistic assessment of the mineral resource potential for the planning subunits. Mineral occurrences and geochemical anomalies were sampled with the intent to verify and characterize mineral deposits. Granitic rocks were sampled and characterized by major oxide analyses to support the metallogenic classification of known and unknown mineral occurrences. Three-hundred-nineteen rock, forty-two soil, thirty-four stream sediment, and sixty-four panned concentrate samples were collected.

Identified mineral deposits include copper-molybdenum porphyry, stockwork quartz-tungsten, tungsten-molybdenum skarn, lead-zinc-copper skarn, and iron-copper skarn, intrusive-related vein gold or vein copper-silver, intrusive-hosted lead-zinc-copper-arsenic-antimony vein, antimony-quartz vein, and placer gold.

[1]Geologist, Alaska Field Operations Center, Anchorage, AK

[2]Geologist, currently with Greens Creek Mining, Juneau, Alaska

INTRODUCTION

The Alaska State Director of the Bureau of Land Management (BLM) requested the U.S. Bureau of Mines (USBM) to evaluate the mineral resources and mine hazards of two tracts of BLM managed lands in east-central Alaska. The tracts include the Black River Subunit (BRS) (approximately 8,094 square km) and the Fortymile River Subunit (FRS) (approximately 8,094 square km); (fig. 1). Mineral resource and mine hazard information is required by 1995 to aid the BLM in making comparative analyses of land-use alternatives for a land-use plan to be developed by 1996.

Objectives of this Bureau project are to identify the types, amount, and distribution of mineral deposits and abandoned mine hazards in the two resource management subunits. The data base will include a probabilistic resource study, and where applicable, calculation of potential ore reserves, development of ore beneficiation technologies, and economic feasibility studies will be performed. The Bureau will also address the future impacts on the planning subunits from mineral development within the subunits and on adjacent lands.

This report is a compilation of data generated by the Bureau's first phase of a three-year project. Phase I consisted of a literature search, field reconnaissance, and data compilation.

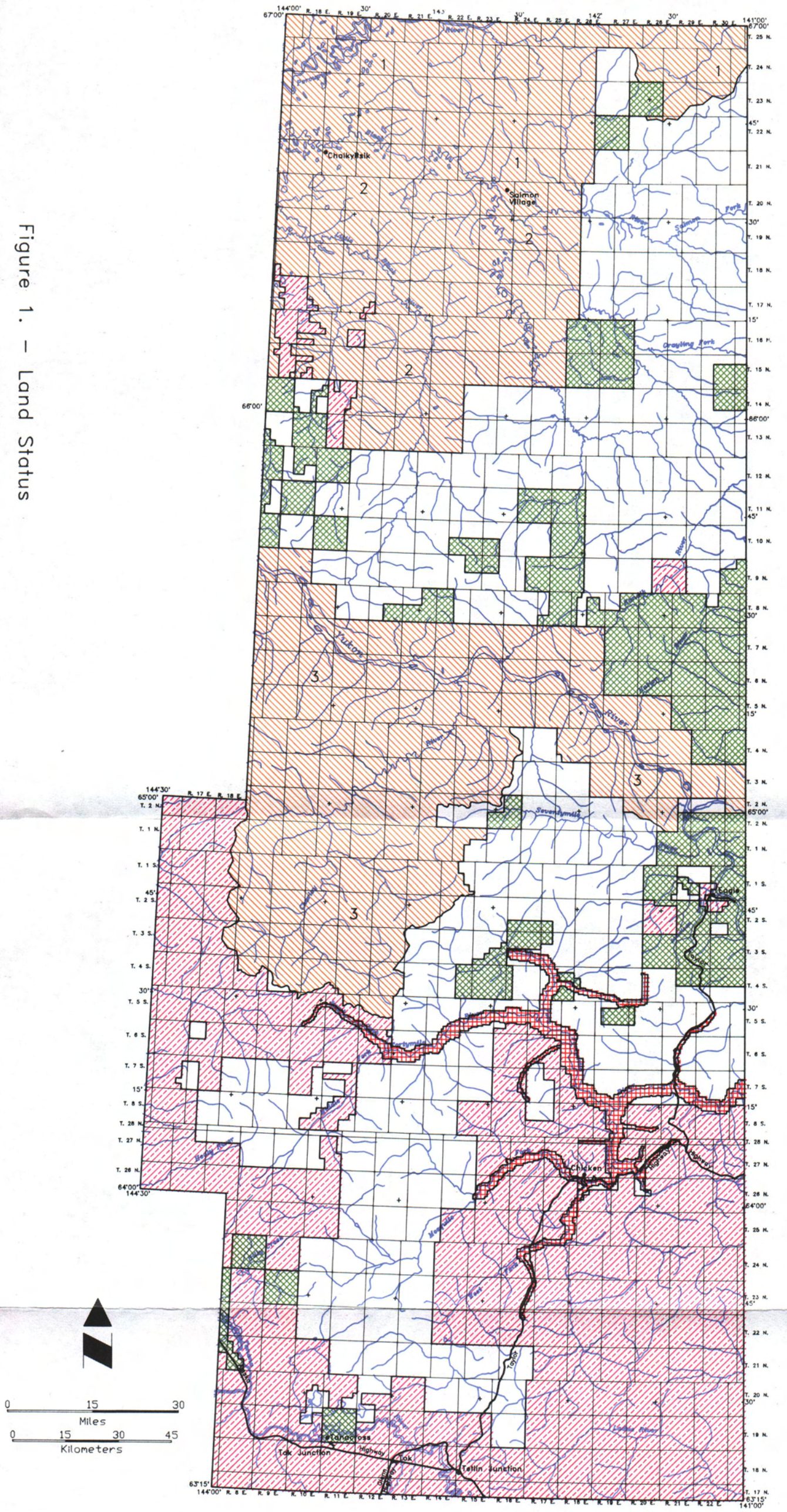
Virtually no mining activity has occurred in the BRS. Mineral exploration has only been recent and at a reconnaissance-level. In contrast, the FRS is the site of one of the earliest gold rushes in interior Alaska. The FRS has experienced annual mining activity since 1887. Individuals, government agencies, and corporations have conducted mineral exploration on these and adjacent lands throughout the same period. Because of the disparity of known mineral deposits between these two subunits, as well as the remoteness and inaccessibility of the BRS, the first phase of the project focused primarily upon the FRS.

In 1993, the Bureau conducted four surveys of the subunits. The first survey evaluated mineral occurrences along the Taylor Highway in the FRS (7 days), the second evaluated mineral occurrences in the BRS (10 days), and the last two were reconnaissance surveys of known mineral occurrences and geochemical anomalies in the FRS (23 days). This report is a compilation of all data that pertains to the samples collected in these field surveys.

LAND STATUS

Land status in the Black River and Fortymile subunits is complex and for the most part is unresolved, particularly in the Fortymile River Subunit.

Figure 1. – Land Status



Black River Subunit

The Black River Subunit is bounded by the Yukon Charley National Park and Preserve to the south, the Arctic National Wildlife Refuge to the north, the Yukon Flats National Wildlife Refuge to the west, and the Canadian border to the east. The BRS is predominantly open to mineral location, but there are no existing mining claims in the subunit. In 1993, the State of Alaska selected a significant portion of land within the BRS to which it is entitled under the Alaska Statehood Act (fig. 1). Doyon Ltd., an Alaska Native corporation, had originally selected a large portion of the subunit under the Alaska Native Claims Settlement Act (ANCSA). Small in-holdings of conveyed patented Doyon Ltd. land in the subunit are all that remain of these early selections. One township along the southern border of the subunit includes a homestead and is State patented land.

Fortymile River Subunit

Land status in the Fortymile River Subunit is complicated by diverse and overlapping interests which apply to these lands. Much of the Fortymile River and select tributaries have a Wild and Scenic River status and therefore have an irregular buffer zone of a fraction to several miles that extend from the river channel. Parts of the Wild and Scenic River corridor have competing interests with patented and unpatented Federal and unpatented State mining claims. The Submerged Lands Act of 1953 conveys ownership of navigable waters to the State of Alaska. It is the State's responsibility to manage the river bed of all navigable waters. Therefore, approximately 144 km (90 miles) of the Fortymile River bed within the Wild and Scenic River corridor is open for mineral entry for the location of State mining claims.

Doyon Ltd. has selected 85 to 90 pct of all BLM land within the FRS, exclusive of the Wild and Scenic River corridor. Some of these lands have been interim conveyed or conveyed. In 1993, the State also selected approximately 85 to 90 percent of land in the FRS to which it is entitled under the Alaska Statehood Act (fig. 1). These State selections are top-filed upon previous Doyon Ltd. selections.

LOCATION AND ACCESS

Black River Subunit

The Black River Subunit encompasses most of the northern half of the Charley River quadrangle and the eastern half of the Black River quadrangle. There are two private airstrips in the subunit that were built to support oil well test drilling (fig. 1). A few winter airstrips were built to accommodate seismic surveys but these are not shown on maps from this report. Seismic survey brush lines criss-cross the southern half of the BRS. Otherwise, the area is without roads or significant trails and is accessible only by helicopter. Small watercraft access into the Salmon Fork is possible during the summer by way of the Yukon,

Porcupine, and the Black Rivers.

Fortymile River Subunit

A major part of the Fortymile River Subunit is located in the northeast, central, and southwest part of the Eagle quadrangle and extends into the western third of the Tanacross quadrangle. A small part of the subunit extends from the southwest corner of the Eagle quadrangle into the southeast corner of the Big Delta quadrangle. Another small part extends into the south central part of the Charley River quadrangle. The subunit is adjacent to the Yukon Charley National Park and Preserve and includes the Fortymile Wild and Scenic River Corridor (fig. 1). The subunit can be accessed by an improved gravel road, the Taylor Highway, and numerous four-wheel drive, and four-wheeler historic mining trails. Small watercraft access on the Fortymile River is also possible, but this varies significantly as the water level can fluctuate widely during the summer months.

GEOLOGIC SETTING

The geologic setting of the Black River Subunit is significantly different than the setting south of the Tintina Fault Zone where the Fortymile River Subunit is located. The settings are summarized separately.

Black River Subunit

The geology of the Black River Subunit has only been examined on a regional scale by government agencies. In addition, the southern part of the subunit has been examined extensively for its petroleum potential by major oil companies. A Precambrian unit that comprises varied-colored phyllite, slate, siltstone, and quartzite, with orange-weathering dolomite and limestone forms the bulk of bedrock in the northern half of the BRS. In the northern-most area, Cambrian(?) to Devonian massive limestone and dolomite unconformably overlie rocks of the Precambrian unit. Isolated patches of Jurassic-Cretaceous shale also rest unconformably upon the older rocks. A few basic and nepheline-bearing, ultra-potassic igneous rocks form small intrusive plugs in the Precambrian unit (1, this study)[3].

Bedrock geology of the southern half of the BRS has been more thoroughly mapped, but extensive vegetative cover has induced speculation as to the origins of this complex geologic environment. Brabb and Churkin (2) mapped northeast trending Devonian to Cretaceous conglomerate, limestone, shale, quartzite, argillite, and graywacke with minor Devonian basalt (Woodchopper Creek volcanics) in the northern third of the Charley River quadrangle (southern part of BRS). These units were mapped with conformable and unconformable contacts and a few large northeast trending faults juxtapose some units.

---

[3]Underlined numbers in parentheses refer to the list of references at the end of this report.

Dover and Miyaoka (3) reinterpreted the geologic work of Brabb and Churkin (2), further subdividing some units, but interpreting the juxtaposition of the various rock units as a result of deformation within a fold and thrust belt. This deformation proceeded as early as Albian (Early Cretaceous) and concluded before Maestrichtian (Late Cretaceous) time (4). Many of the thrusts are mapped as older-on-younger with tectonic transport towards the southeast (4). Howell and others (5) describe the geology of the southern part of the BRS as a fold and thrust belt that comprises a Paleozoic sequence overlain by Triassic to Lower Cretaceous foreland-basin fill sediments.

Fortymile River Subunit

Bedrock in the Fortymile River Subunit is unlike that in the Black River Subunit. The northwest-trending Tintina Fault Zone is a major right lateral fault system that separates the fold-thrust belt of the Kandik region to the north from the predominantly crystalline igneous and metamorphic rocks of the Yukon-Tanana Upland crystalline belt to the south. The Yukon-Tanana Upland crystalline belt comprises low- to medium-grade, Paleozoic metasedimentary rocks and underlies most of the area encompassed by the FRS. Foster and others (6) identified three age groups of igneous rocks that cut Paleozoic metasedimentary rocks in the FRS; (1) Late Triassic to Early Jurassic granite and quartz monzodiorite, (2) mid to Late Cretaceous granitic plutons and batholiths of predominantly granodiorite, quartz monzonite, syenite, diorite, and granite composition, and (3) Tertiary basalt and shallow felsic subvolcanic rocks. Rocks of the third group overlie and intrude small parts of the older metamorphic and igneous rocks (groups 1 and 2). Many isolated bodies of alpine-type ultramafic rock are distributed throughout the subunit (7).

HISTORY OF MINING AND MINERAL EXPLORATION

Exploration, mine production, and mining methods that characterize the mining history of the Fortymile, Eagle, Seventymile, and Goodpaster Mining Districts are recorded in many publications that span the period from 1898 to present. Various parts of these mining districts coincide with the Fortymile River Subunit. The Black River Subunit does not coincide with any part of these mining districts. A cross-reference of bibliographic citations and anecdotes related to present and historic placer mines is compiled in appendix A. Locations of these mine sites are shown on figure 2. Colorful historical accounts of the Fortymile Mining District are found in references 8-19.

Mining activity in east-central Alaska began with the Fortymile gold rush in 1886. Howard Franklin and his party discovered gold on the Fortymile River and made a rich gold strike on what became known as Franklin Gulch (Creek) a year later (fig. 2). News of the strike started a gold rush into the Fortymile River country. Riffles and thin mantles of gravel on bedrock along the incised meandering Fortymile River were sites of initial mining activity. Prospectors eventually migrated into the tributaries of the Fortymile River and established mining operations where pay was found. Discoveries in Napoleon Creek (1888),

Davis Creek (1988), Poker Creek (1889), Dome Creek (1893), Wade Creek (1895), and Chicken Creek (1896) became the sites of established mining camps. The valleys and tributaries of American Creek (1891) and Seventymile River (1895) were also sites of early prospecting and mining.

Mining in the Fortymile area has been influenced by its remoteness, technologic developments, wars, gold price, and governmental regulations. Low and uncertain water supplies have always plagued placer mining operations in the Fortymile region. Early on, ditching and self-actuated boom gates were often necessary for overburden removal. Hydraulicking was used where a significant source of water could be engineered and drift mining methods were applied in deep placers. The remoteness of much of the country slowed the course of exploration and mining, but did not prevent the installation of dredges as early as 1907. Annual production records prior to 1903 are unavailable. By about 1912 annual production began to wane significantly (20). The production decline was largely due to the termination of early dredge operations, an exhaustion of easy reserves, and the fact that many miners moved off to more prosperous fields like Circle (Birch Creek) and Dawson, YT. Placer gold production increased once again with the installation of bucket line dredges on upper Walker Fork (1934), on the South Fork near Atwater Creek (1935), and on Jack Wade Creek (1936) (fig. 2). Placer mining with horse-drawn scrapers, bulldozers, steam shovels, draglines, and dredges continued until World War II when much of the heavy equipment was diverted to the war effort. After World War II the level of gold production varied with changes in availability of large heavy machinery (installation of the Pedro dredge in 1959 on Chicken Creek), road accessibility (completion of the Taylor Highway in the early 1950's), gold price increases due to deregulation, and imposition of strict water-quality regulations.

Exploration for lode deposits in the Fortymile region followed the early gold rush. Lode gold prospects were found at the Cameron Prospect in 1900 (21), the Purdy prospect in 1905 (12), in Ingle Creek in 1930 (11), and at the La Flamme prospect (Bruce Adit) in 1956 (22). Early on, prospectors pushed west of the Fortymile River placer district and discovered what became known as the Mitchell Copper prospect in 1918 (23), the My Creek Stibnite prospect in 1918 (24), the Healy River molybdenite prospect (Mt. Harper prospect) in 1918 (24, p. 329), the Flume Creek (2, 15), and the Ruby Silver prospect (Nagaheek prospect) in 1944 (25) (fig. 5).

Since the late 1960's, geologic and geochemical mapping surveys have been conducted by the U.S. Geological Survey (USGS) in the Tanacross (26-39), Eagle (40-60), Charley River (61-63), Black River (64), and the Big Delta quadrangles (65-83). The State of Alaska Division of Geological and Geophysical Surveys (ADGGS) has also conducted geological and geochemical surveys in the Big Delta (84-85), Eagle (86-93), Tanacross (86), and Charley River and Black River Quadrangles (94) beginning in 1965. The Bureau has evaluated some site-specific mineral occurrences, summarized mining activity in the Fortymile Mining District (8, 95-107), and has estimated the remaining placer gold resource potential of the Fortymile Mining District (102).

Interpretations of regional geology surrounding and including the Black River and Fortymle Subunits can be obtained from references 4, 108-111. This report will not include a review of regional or local tectonics.

Data generated as a result of the Department of Energy's National Uranium Resource Evaluation project (112-123) provided useful regional-scale stream sediment geochemical information on the Big Delta, Tanacross, Eagle, Charley River and Black River quadrangles. This data, combined with similar surveys by the USGS and the ADGGS provided a wealth of geochemical information used to guide the reconnaissance phase of this mineral resource evaluation.

Doyon Ltd., Fairbanks, AK, generously provided access to mineral exploration data generated over a 14-year period (1977-1993) by themselves and various engineering and exploration companys. These reports (124-145) are available for review by permission from Doyon Ltd., Fairbanks, AK.

SAMPLING - DATA INTERPRETATION PROCEDURES

This mineral resource assessment project will utilize probabilistic analysis of mineral deposit data from available literature and data collected during the phase I and II of this investigation. The paucity of good exposures at mineral occurrences in the Black River or the Fortymile River Subunits precludes any direct reserve calculations. Therefore, in 1993, rock samples were collected with the intent to characterize known mineral occurrences and fit them to ore deposit models. The rocks were characterized by multi-element geochemical analysis and petrographic examination.

Collections of ore deposit models have been created by Cox and Singer (146) and Bliss (147) to be used in this type of resource evaluation. These models include (1) criteria for characterizing mineral deposit types, and (2) graphs of "Proportion of Deposits versus Tonnage" and "Proportion of Deposits versus Grade." Probabilistic analysis will not be performed until all data has been collected and synthesized at the end of phase II of this project.

Appendix B contains analytical results for rock, stream sediment, panned concentrate and soil samples collected by the Bureau. Figures 3 through 7 show map locations for all samples listed in appendix B. Prefixes for map numbers on figures 3-7 and the appendix correspond to U.S. Geological Survey topographic quadrangle maps; BR stands for Black River, BD for Big Delta, CR for Charley River, E for Eagle, and T for Tanacross.

Stream sediment, panned concentrate, and soil samples were collected in order to confirm previous exploration results or extend known mineral occurrences. Panned concentrate samples generally consist of concentrates from one 34.6 cm (14 in) pan of minus 1.27 cm (0.5 in) screened material where run-of-the-stream gravel was sampled. Fine sand,

impacted within stream-side bryophyte growth, was often panned to a concentrate and treated as a panned concentrate sample. This sample medium serves as a natural riffle system which pre-concentrates heavy minerals, thereby enhancing geochemical anomalies. Soil samples were collected from the B or the C (in the absence B) horizon. Stream sediment samples were collected from stream banks and from beneath cobbles in active stream channels to maximize the minus 80-mesh fraction in the sampled material. The panned concentrate, stream sediment, and soil samples were analyzed with multi-element geochemical, assay, and element-specific geochemical analysis methods (appendix B). All geochemical analyses were performed by Bondar-Clegg & Company Ltd (table 2).[4] The results are to be used to guide the second phase of the project which is scheduled for 1994.

SUMMARY

The 1993 reconnaissance-level field examination of known mineral occurrences and various geochemical and geophysical anomalies resulted in the collection of 319 rock, 42 soil, 34 stream sediment, and 64 panned concentrate samples. To augment the classification of certain mineral occurrences, seventy-nine polished thin sections of rock were prepared and examined petrographically. The mineralogic data collected from the petrographic work will be applied in the probabilistic resource evaluation stage scheduled to commence in fiscal year 1995. Placer mineral deposits and abandoned mine lands were not evaluated in this initial phase of the study.

Some of the more noteworthy results of the 1993 field work are the (1) recognition of several copper and gold-enriched quartz vein systems within the perimeter of the Early Jurassic granodiorite intrusive rocks in the Chicken area, (2) discovery of a significant quartz vein system on the Middle Fork of the Fortymile River (map no. E127, fig. 5), and (3) identification of gold in stream sediment and panned concentrates from a tributary to Molly Creek (map no. E120, fig. 5). The most significant opportunity of this early phase of the project has been the generous release of mineral and geologic data by Doyon Ltd. Utilization of this heretofore unavailable data not only expedited the Bureau's work but greatly enhanced the quantity of mineral information available for this mineral resource evaluation project.

[4]Analysis by Bondar-Clegg & Co. Ltd. and the use of this lab does not imply endorsement by the U.S. Bureau of Mines.

TABLE 2. - 1993 Sample analysis detection limits

Element	Lower Limit (ppm)	Upper Limit (ppm)
ICP-Atomic Emission Spectroscopy		
Ag	0.2	50
Cu	1	20,000
Pb	2	20,000
Zn	2	20,000
Mo	1	20,000
Ni	1	20,000
Co	1	20,000
Cd	0.5	2,000
Bi	5	2,000
As	5	2,000
Sb	5	2,000
Fe	0.01 pct	10.0 pct
Mn	5	20,000
Te	25	2,000
Ba	5	2,000
Cr	2	20,000
V	2	2,000
Sn	20	2,000
W	20	2,000
Li	2	2,000
Ga	10	2,000
La	5	2,000
Sc	5	2,000
Ta	5	2,000
T	0.01 pct	10.0 pct
Al	0.01 pct	10.0 pct
Mg	0.01 pct	10.0 pct
Ca	0.01 pct	10.0 pct

Element	Lower Limit (ppm)	Upper Limit (ppm)
ICP-Atomic Emission Spectroscopy		
Na	0.01 pct	10.0 pct
K	0.01 pct	10.0 pct
Nb	5	2,000
Sr	1	2,000
Y	5	2,000
Zr	5	2,000
Low Level Assay		
Cu	0.01 pct	15.00 pct
Pb	0.01 pct	15.00 pct
Zn	0.01 pct	15.00 pct
Mo	0.01 pct	4.00 pct
Quantitative Assay		
Pb	0.01 pct	100 pct
Zn	0.01 pct	100 pct
Sb	0.01 pct	100 pct
Fire Assay/ Direct Couple Plasma		
Pt, Pd, Au	5 ppb	5,000 ppb
Fire Assay		
Ag	0.002 oz/ton	NA
Au	0.002 oz/ton	NA
Atomic Absorption Analysis		
Cu	1	20,000
Pb	1	20,000
Zn	1	20,000
Bi	1	2,000
V	1	2,000
Mn	1	10,000
Ag	0.1	50

TABLE 2. - 1993 Sample analysis detection limits (cont.)

Direct Irradiation/ Instrument Neutron Activation Analysis		
Au	5 ppb	10,000 ppb
Sb	0.2	5,000
As	1	5,000
Ba	100	30,000
Br	1	1,000
Cd	10	2,000
Ce	10	10,000
Cs	1	10,000
Cr	50	20,000
Co	10	20,000
Eu	2	2,000
Hf	2	2,000
Ir	100	5,000
Fe	0.5 pct	10.0 pct
La	5	10,000
Lu	0.5	2,000
Mo	2	20,000
Ni	20	20,000
Rb	10	10,000
Sm	0.2	2,000
Sc	0.5	2,000
Se	10	2,000
Ag	5	50
Na	0.05 pct	10.0 pct
Ta	1	2,000
Te	20	2,000
Tb	1	2,000

Direct Irradiation/ Instrument Neutron Activation Analysis		
Th	0.5	2,000
Sn	200	20,000
W	2	2,000
U	0.5	2,000
Yb	5	2,000
Zn	200	20,000
Zr	500	10,000
Major Oxide Analysis: Borate Fusion/Plasma Emission & Specific Techniques		
SiO_2	0.01 pct	NA
Al_2O_3	0.01 pct	NA
Fe_2O_3 (total Fe)	0.01 pct	NA
MgO	0.01 pct	NA
CaO	0.01 pct	NA
Na_2O_3	0.01 pct	NA
K_2O	0.05 pct	NA
P_2O_5	0.03 pct	NA
MnO	0.01 pct	NA
TiO_2	0.05 pct	NA
FeO	0.05 pct	NA
Cl	0.01 pct	NA
X-ray Fluorescence		
Ba	15	NA
Rb	1	NA
Sr	1	NA
Y	1	NA
Nb	5	NA
Zr	1	NA

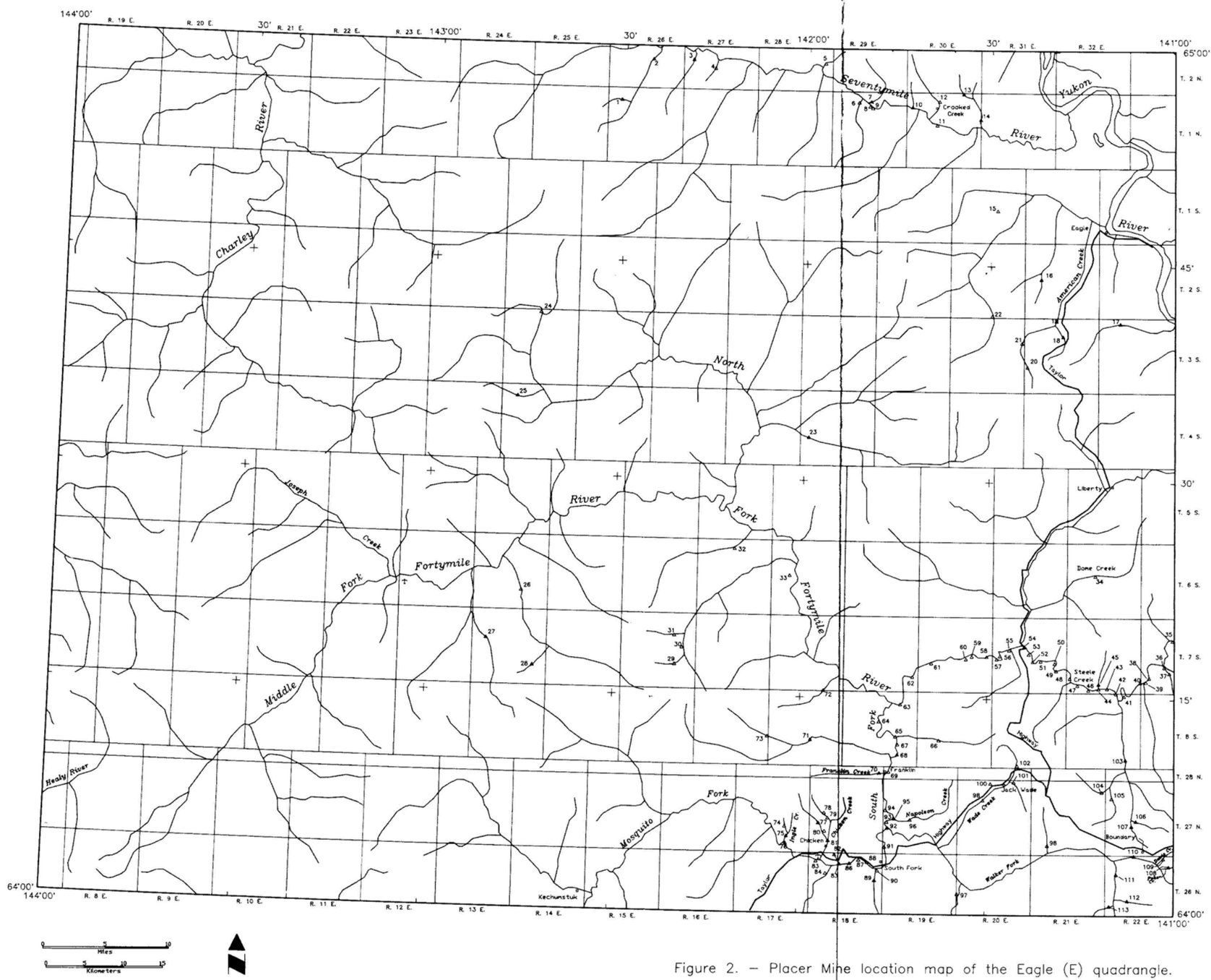


Figure 2. – Placer Mine location map of the Eagle (E) quadrangle.

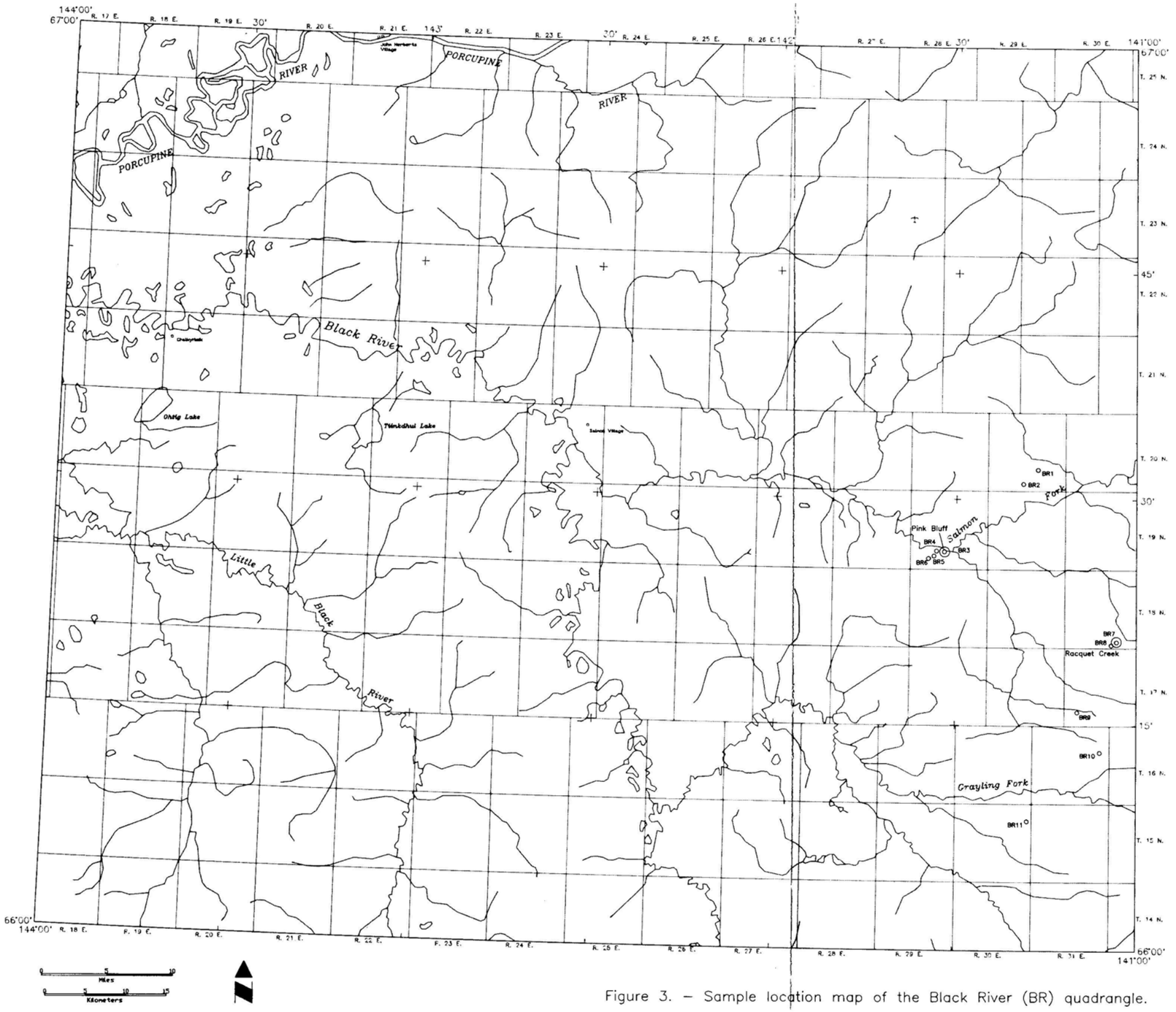


Figure 3. – Sample location map of the Black River (BR) quadrangle.

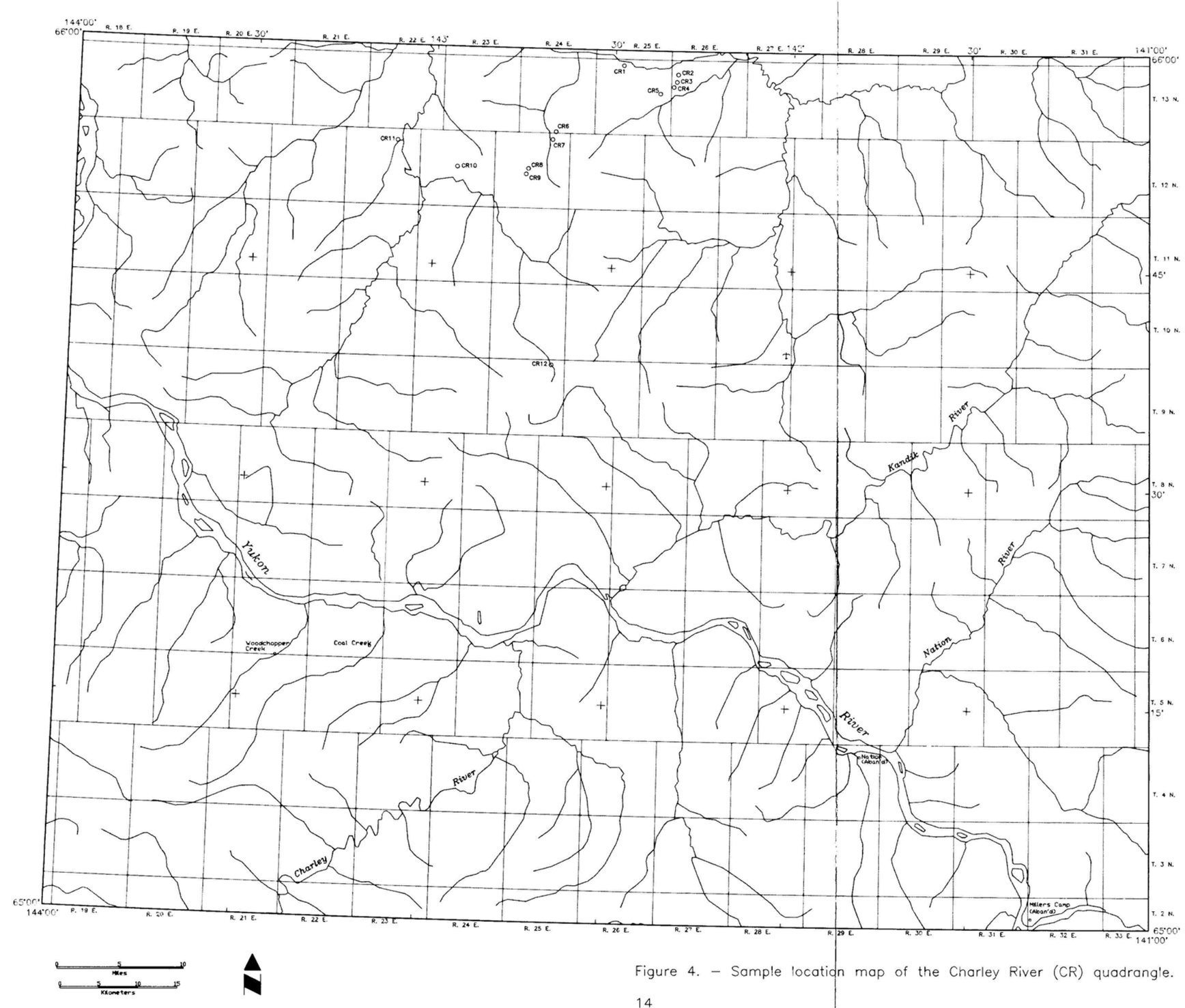


Figure 4. – Sample location map of the Charley River (CR) quadrangle.

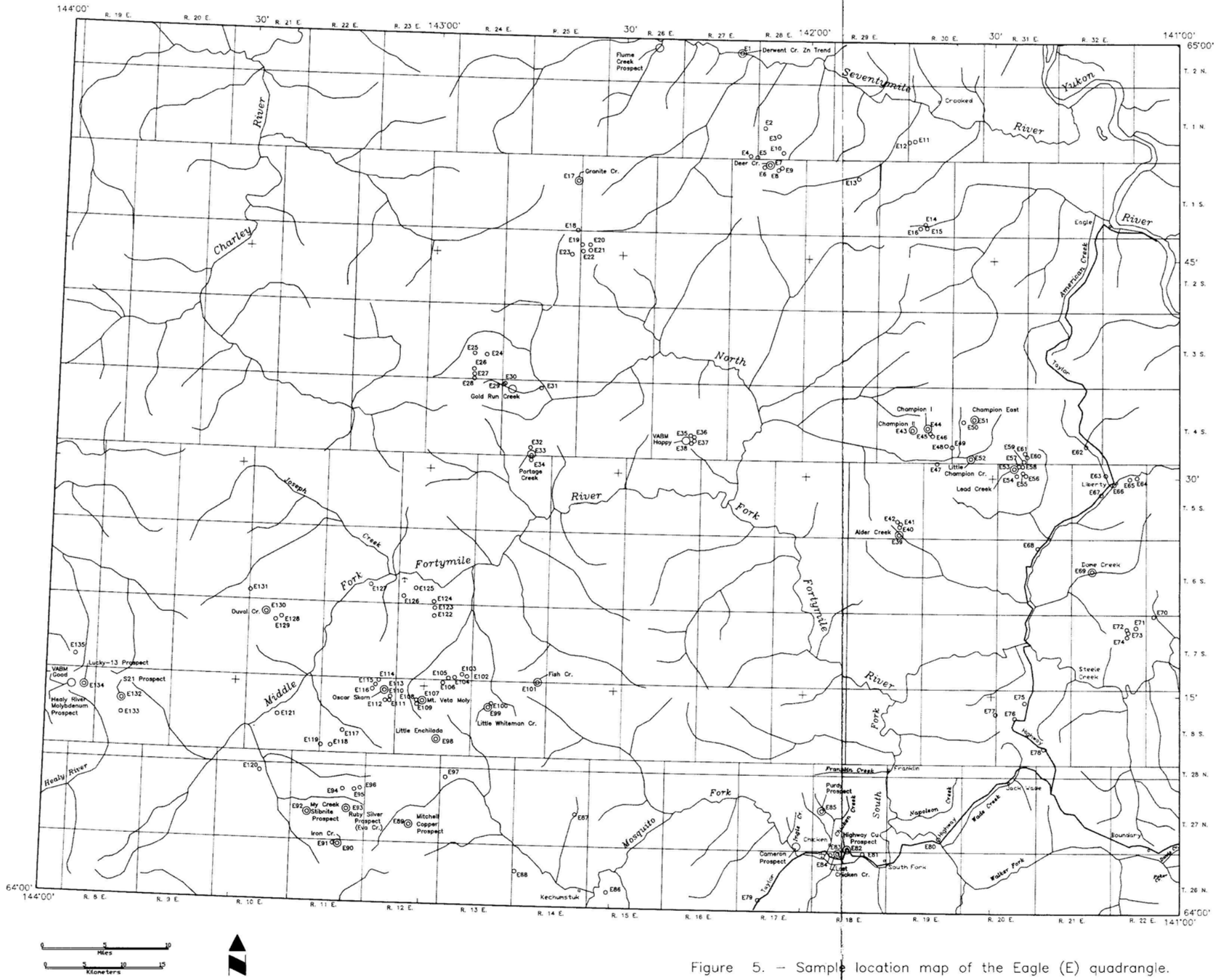


Figure 5. – Sample location map of the Eagle (E) quadrangle.

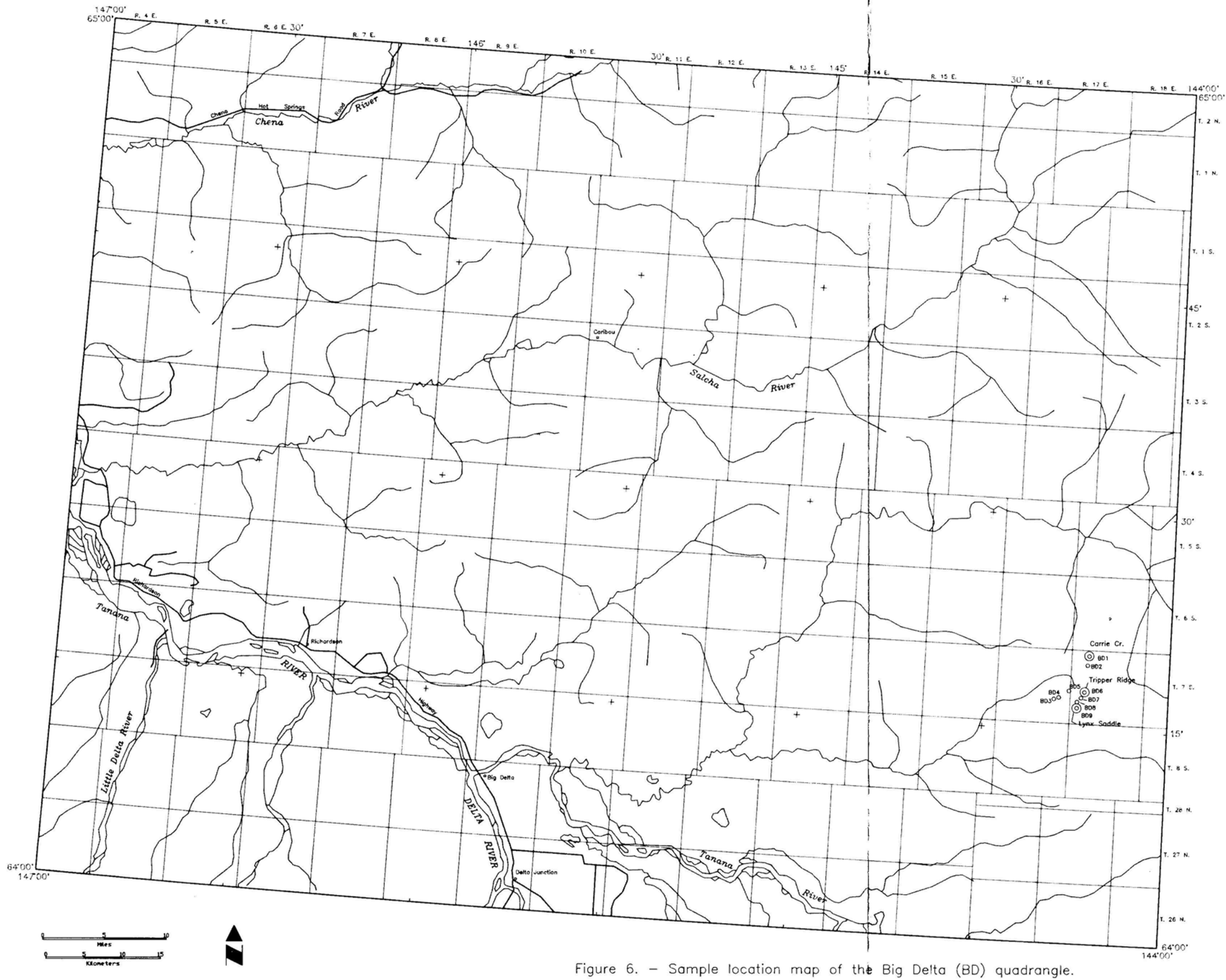


Figure 6. – Sample location map of the Big Delta (BD) quadrangle.

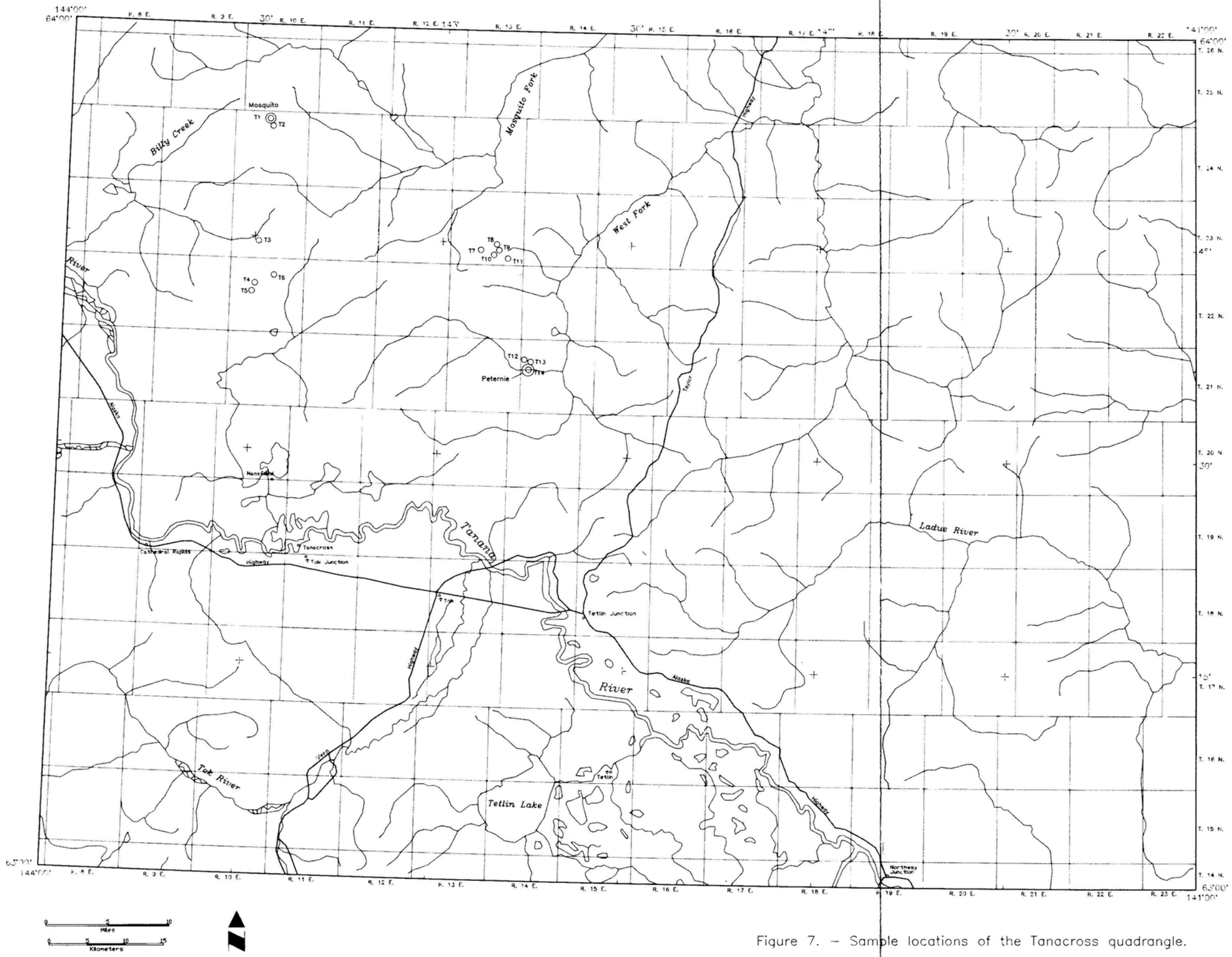


Figure 7. – Sample locations of the Tanacross quadrangle.

BIBLIOGRAPHY

1. Brabb, E.E. Preliminary Geologic Map of the Black River Quadrangle, East-Central Alaska. U.S. Geol. Surv. Miscellaneous Geologic Investigations Map I-601, 1970, scale 1:250,000, 1 sheet.

2. Brabb, E.E., and M. Churkin, Jr. Geologic Map of the Charley River Quadrangle, East-Central Alaska. U.S. Geol. Surv. Miscellaneous Geologic Investigations Map I-573, 1969, scale 1:250,000, 1 sheet.

3. Dover, J.H., and R.T. Miyaoka. Reinterpreted Geologic Map and Fossil Data, Charley River Quadrangle, East-Central Alaska. U.S. Geol. Surv. Miscellaneous Studies Map MF 2004, 1988, scale 1:250,000, 2 sheets.

4. Dover, J.H. Geology of East-Central Alaska. U.S. Geol. Surv. Open-file Report 90-289, 1990, 66 pp.

5. Howell, D.G., M.J. Johnson, M.B. Underwood, L. Huafu, and J.W. Hillhouse. Tectonic Evolution of the Kandik Region, East-Central Alaska: Preliminary Interpretations, Ch. in U.S. Geol. Surv. Bull 1999. 1992, pp. 127-140.

6. Foster, H.L., T.E.C. Keith, and W. D. Menzie. Geology of East-Central Alaska. U.S. Geol. Surv. Open-File Report 87-188. 1987, 54 pp.

7. Foster, H.L., and T.E.C. Keith. Ultramafic Rocks of the Eagle Quadrangle, East-Central Alaska. Jour. Research USGS, 1974, v. 2, no. 6, pp. 657-669.

8. Powers, J.B. Brief History of the Fortymile Mining District to 1935. Territory of Alaska, Department of Mines, Mineral Report MR 60-2, 1935, 19 pp.

9. Brooks, A.H., and others. Report on Progress of Investigations of Mineral Resources of Alaska in 1907. U.S. Geol. Surv. Bull. 345, 1908, pp. 187-197.

10. Prindle, L.M. The Fortymile Quadrangle, Yukon-Tanana Region Alaska. U.S. Geol. Surv. Bull. 375. 1909, 51 pp.

11. Mertie, J.B. Mineral Resources of Alaska. Ch. in Report on Progress of Investigations in 1928. U.S. Geol. Surv. Bull. 813, 1930, pp. 125-142.

12. Prindle, L.M. The Gold Placers of the Fortymile, Birch Creek, and the Fairbanks Region, Alaska. U.S. Geol. Surv. Bull. 251. 1905, 89 pp. 1 plate, scale 1:62,500.

13. Bonewitz, J. Historic Resources of the Fortymile. Tok, AK: prepared for: U.S. Department of Interior, Bureau of Land Management, Fortymile Resource Area; Resources Development Internship Program, Western Interstate Commission for Higher Education, September, 1977, 113 p.

14. Mertie, J.B. Jr. Gold Placers of the Fortymile, Eagle, and Circle Districts, Alaska. U.S. Geol. Surv. Bull. 897-C, 1938, pp. 133-261.

15. Ellsworth, C.E., and G.L. Parker. Placer Mining in the Yukon-Tanana Region. U.S. Geol. Surv. Bull. 480, 1911, pp. 153-172.

16. Ellsworth, C.E. Placer Mining in the Yukon-Tanana Region. U.S. Geol. Surv. Bull. 442, 1910, pp. 230-245.

17. Ellsworth, C.E., and R.W. Davenport. Placer Mining in the Yukon-Tanana Region. U.S. Geol. Surv. Bull. 542, 1913, pp. 203-222.

18. Haynes, T.L. They Didn't Come In Four Wheel Drives: An Introduction to Fortymile History. Boulder, CO: Western Interstate Commission for Higher Education, 1976, 99 pp.

19. U.S. Department of Interior. Fortymile River Placer Mining: Final Cumulative Environmental Impact Statement. Department of the Interior, Bureau of Land Management, Alaska State Office, 1988, pp. 3-1 to 3-76.

20. Smith, P.S. Mineral Resources of Alaska. Ch. in Report on Progress of Investigations in 1930. U.S. Geol. Surv. Bulletin 836, 1933, pp. 38-39.

21. Roehm, J.C. Summary Report of Mining Investigations in the Fairbanks, Fortymile, Knik, and Kenai Precincts. Territory of Alaska Department of Mines. September 1 to 30 inclusive, 1939, pp. 7-8.

22. Saunders, R.H. Report on the La Flamme Copper Prospect, Eagle Quadrangle. Territory of Alaska Department of Mines Prospect Examination Report PE 60-6, 1957, 6 pp.

23. Porter, E.A. Mineral Resources of Alaska. Ch. in Report on Progress of Investigations in 1911. U.S. Geol. Surv. Bull. 520, 1912, pp. 211-241.

24. Martin, G.C. Mineral Resources of Alaska. Ch. in Report on Progress of Investigations in 1917. U.S. Geol. Surv. Bull. 692, 1918, pp. 36.

25. Berryhill, R.V. Examination of the Nagaheek Silver Claim. U.S. Bureau of Mines Summary Report of Minerals Examination, Form 6-803. October 30, 1963, 8 pp.

26. Foster, H.L. Geology of the Mount Fairplay Area, Alaska. U.S. Geol. Surv. Bull., 1241-B, 1967, 18 pp., 1 plate, scale 1:63,360.

27. Singer, D.A., G.C. Curtin, and H.L. Foster. Mineral Resources Map of the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 E, 1976, 1 map, scale 1:250,000.

28. Curtin, G.C., G.W Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Copper in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 F, 1976, 1 map, scale 1:500,000.

29. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Molybdenum in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 G, 1976, 1 map, scale 1:500,000.

30. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Lead in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 H, 1976, 1 map, scale 1:500,000.

31. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Zinc in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 I, 1976, 1 map, scale 1:500,000.

32. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Arsenic and Mercury in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 J, 1976, 1 map scale 1:500,000.

33. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Tin in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 K, 1976, 1 map scale 1:500,000.

34. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Geochemical Maps Showing the Distribution and Abundance of Beryllium in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 L, 1976, 1 map, scale 1:500,000.

35. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Composite Geochemical Map of Anomalous Copper and Molybdenum Distribution in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 M, 1976, 1 map, scale 1:500,000.

36. Curtin, G.C., G.W. Day, R.M. O'Leary, S.P. Marsh, and R.B. Tripp. Composite Geochemical Map of Anomalous Lead and Zinc Distribution in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 N, 1976, 1 map, scale 1:500,000.

37. Tripp, R.B., G.C. Curtin, G.W Day, R.C. Karlson, and S.P. Marsh. Maps Showing Mineralogic and Geochemical Data for Heavy-Mineral Concentrates in the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Map MF-767 O, 1976, 2 Sheets, scale 1:500,000.

38. Griscom, A., and State of Alaska, Department of Natural Resources, Division of Geological and Geophysical Surveys. Aeromagnetic Map and Interpretation of the Tanacross Quadrangle. U.S. Geol. Surv. Map MF-767 A, 1976, 2 sheets, scale 1:250,000.

39. Foster, H.L. Reconnaissance Geologic Map of the Tanacross Quadrangle, Alaska. U.S. Geol. Surv. Miscellaneous Geologic Investigations Map I-593, 1976, 1 map, scale 1:250,000.

40. Foster, H.L., and T.E.C. Keith. Geology Along the Taylor Highway, Alaska. U.S. Geol. Surv. Bull. 1281, 1969, 36 pp., 1 plate, scale 1:125,000.

41. Clark, S.H.B., and H.L. Foster. Geochemical and Geological Reconnaissance in the Seventymile River Area, Alaska. U.S. Geol. Surv. Bull. 1315, 1971, 21 pp.

42. Foster, H.L., and S.H.B. Clark. Geochemical and Geologic Reconnaissance of a Part of the Fortymile Area, Alaska. U.S. Geol. Surv. Bull. 1312-M, 1970, 29 pp.

43. Foster, H.L. Reconnaissance Geology of the Eagle A-1 and A-2 Quadrangles, Alaska. U.S. Geol. Surv. Bull. 1271-G, 1969, 30 pp., 1 plate, scale 1:63,360.

44. Foster, H.L., and S.H.B. Clark. Geochemical and Geologic Reconnaissance of a Part of the Fortymile Area, Alaska. U.S. Geol. Surv. Bull. 1312-M, 1970, 29 pp.

45. Foster, H.L. Geologic Map of the Eagle Quadrangle. U.S. Geol. Surv. Miscellaneous Field Studies Map MF-358, 1972, 1 sheet, scale 1:250,000.

46. Foster, H.L. Geologic Map of the Eagle Quadrangle, Alaska. U.S. Geol. Surv. Miscellaneous Investigations Map I-922, 1976, 1 sheet, scale 1:250,000.

47. Cobb, E.H. Metallic Mineral Resources Map of the Eagle Quadrangle, Alaska. Miscellaneous Field Studies Map MF-393, 1972, 1 sheet, scale 1:250,000.

48. Foster, H.L., and M.E. Yount. Maps Showing Distribution of Anomalous of Selected Elements in Stream-Sediment and Rock Samples, Eagle Quadrangle, Alaska. U.S. Geol. Surv. Miscellaneous Field Studies Map MF-356, 1972, 2 sheets, scale 1:250,000.

49. Foster, H.L. Analyses of Stream-Sediment and Rock Samples From the Southwestern and Central Parts of the Eagle Quadrangle, Alaska. U.S. Geol. Surv. Open-file Report 70-127, 1970, 62 pp., 1 sheet, scale 1:250,000.

50. Foster, H.L., and S.H.B. Clark. Geochemical and Geologic Reconnaissance of a Part of the Fortymile Area, Alaska. U.S. Geol. Surv. Bull. 1312-M, 1970, 29 pp.

51. Cobb, E.H. Summary of References to Mineral Occurrences (Other than Mineral Fuels and Construction Materials) in the Eagle Quadrangle, Alaska. U.S. Geol. Surv. Open-file Report 77-845, 1977, 122 pp.

52. Foster, H.L., and T.E.C. Keith. Ultramafic Rocks of the Eagle Quadrangle, East-Central Alaska. Jour. Research USGS, 1974, v. 2, no. 6, pp. 657-669.

53. Foster, H.L. Analyses of Stream-Sediment and Rock Samples From the Northwestern Part of the Eagle Quadrangle, East-Central Alaska. U.S. Geol. Surv. Open-file Report 469, 1971, 75 pp., 1 sheet, scale 1:250,000.

54. Foster, H.L. Analyses of Stream-Sediment and Rock Samples From the Eastern Part of the Eagle Quadrangle, East-Central Alaska. U.S. Geol. Surv. Bull. 468, 1971, 54 pp., 1 sheet, scale 1:250,000.

55. Clark, S.H.B., and H.L. Foster. Analyses of Stream-Sediment, Rock, and Soil Samples From a Part of the Seventymile River Area, Eagle Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 387, 1969, 129 pp., 2 sheets, scale 1:250,000.

56. Foster, H.L., and S.H.B. Clark. Analyses of Stream-Sediment and Rock Samples From the Fortymile Area, Eagle Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 386, 1969, 52 pp., 2 sheets, 1:250,000.

57. Foster, H.L., and M.E. Yount. Analyses of Stream-Sediment and Rock Samples From Parts of the Eagle Quadrangle, East-Central Alaska. U.S. Geol. Surv. Open-File Report 523, 1972, 102 pp., 2 sheets, scale 1:250:000.

58. Foster, H.L., and R.M. O'Leary. Gold found in Bedrock of Lost Chicken Greek Gold Placer Mine, Fortymile Area, Alaska. Ch. in The United States Geological Survey in Alaska: Accomplishments During 1980 U.S. Geol. Surv. Circ. 844, 1980, pp. 62-63.

59. Cobb, E.H. Metallic Mineral Resources Map of the Eagle Quadrangle, Alaska. U.S. Geol. Surv. Miscellaneous Field Studies Map MF-393, 1972, 1 map, scale 1:250,000.

60. Howell, D.G., M.J. Johnson, M.B. Underwood, L. Huafu, , and J.W. Hillhouse. Gold Placers, Gold Source, and High Terrace Gravels in the Fortymile River Area. Ch. in U.S. Geol. Surv. Bull. 1999, 1992, pp. 228-230.

61. Brabb, E.E., and M. Churkin, Jr. Geologic Map of the Charley River Quadrangle, East-Central Alaska. U.S. Geol. Surv. Miscellaneous Geologic Investigations Map I-573, 1969, 1 sheet, scale 1:250,000.

62. Dover, J.H., and R.T. Miyaoka. Reinterpreted Geologic Map and Fossil Data, Charley River Quadrangle, East-Central Alaska. U.S. Geol. Surv. Miscellaneous Studies Map MF 2004, 1988, 2 sheets, scale 1:250,000.

63. Howell, D.G., M.J. Johnson, M.B. Underwood, L. Huafu, and J.W. Hillhouse. Tectonic Evolution of the Kandik Region, East-Central Alaska: Preliminary Interpretations. Ch. in U.S. Geol. Surv. Bull. 1999, 1992, pp. 127-140.

64. Brabb, E.E. Preliminary Geologic Map of the Black River Quadrangle, East-Central Alaska. U.S. Geol. Surv. Miscellaneous Geologic Investigations Map I-601, 1970, 1 sheet, scale 1:250,000.

65. Weber, F.R., H.L. Foster, T.E.C. Keith, , and C. Dusel-Bacon. Preliminary Geologic Map of the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-file Report 78-529-A, 1978, 1 map, scale 1:250,000.

66. Menzie, W.D., and H.L. Foster. Metalliferous and Selected Nonmetalliferous Mineral Resource Potential in the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529D, 1979, 61 pp., 1 sheet, scale 1:250,000.

67. Weber, F.R., H.L. Foster, T.E.C. Keith, and A.L. Cantelow. Reconnaissance Geologic Map of the Big Delta A-1 and B-1 Quadrangles, Alaska. U.S. Geol. Surv. Miscellaneous Field Studies Map MF 676, 1975, 1 map, scale 1:63,360.

68. Foster, H.L., R.M. O'Leary, S.K. McDanal, and A.L. Clark. Analyses of Rock Samples from the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-469, 1978, 125 pp., 1 map, scale 1:250:000.

69. Griscom, A. Aeromagnetic Map and Interpretation from the Big Delta Quadrangles, Alaska. U.S. Geol. Surv. Open-file Report 78-529-B, 1978, 2 sheets, scale 1:250,000.

70. Hessin, T. D., E.F. Cooley, R.T. Hopkins, C.M. McDougal, and D.E. Detra. Geochemical Map Showing the Distribution and Abundance of Cobalt, Chromium, and Nickel in the Oxide Residue of Stream Sediment Samples From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-file Report 78-529-L, 1978, 1 map, scale 1:250,000.

71. Hessin, T.D., E.F. Cooley, and C. Dusel-Bacon. Geochemical Map Showing the Distribution of Bismuth, Antimony, and Silver in Non-magnetic Heavy-Mineral Concentrate Samples in the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529 F, 1978, 1 map, scale 1:250,000.

72. Hessin, T.D., E.F. Cooley, and D.F. Siems. Geochemical Map Showing the Distribution and Abundance of Copper, Lead, and Molybdenum in the Ash of Willow Leaves From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-M, 1978, 1 map, scale 1:250,000.

73. Hessin, T.D., E.F. Cooley, D.F. Siems, and S.K. McDanal. Geochemical Map Showing the Distribution of Tin, Tungsten, and Molybdenum in Non-Magnetic Heavy-Mineral Concentrate Samples in the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-G, 1978, 1 map, scale 1:250,000.

74. Hessin, T.D., G.W. Day, W.D. Crim, and M.M. Donato. Geochemical Map Showing the Distribution and Abundance of Zinc and Cadmium in the Ash of Willow Leaves From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-N, 1978, 1 map, scale 1:250,000.

75. Hessin, T.D., R.M. O'Leary, J.D. Hoffman, and D.E. Detra. Geochemical Map Showing the Distribution and Abundance of Copper, Lead, and Zinc in Minus-80 Mesh Stream Sediment From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-I, 1978, scale 1:250,000.

76. Hessin, T.D., P.M. Taufen, E.F. Cooley, and C.M. McDougal. Geochemical Map Showing the Distribution and Abundance of Copper, Lead, and Zinc in Non-magnetic Heavy-Mineral Concentrate Samples in the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-file Report 78-529-E, 1978, 1 map, scale 1:250,000.

77. Hessin, T.D., P.M. Taufen, E.F. Cooley, D.F. Siems, and C.M. McDougal. Geochemical Map Showing the Distribution and Abundance of Cobalt, Chromium, and Nickel in Non-Magnetic Heavy-Mineral Concentrate Samples in the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-H, 1978, 1 map, scale 1:250:000.

78. Hessin, T.D., P.M. Taufen, G.W. Day, and M.E. Karlson. Geochemical Map Showing the Distribution and Abundance of Copper, Lead, and Zinc in the Oxide Residue of Stream Sediment Samples From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-K, 1978, 1 map, scale 1:250,000.

79. Hessin, T.D., D.F. Siems, and G.W. Day. Geochemical Map Showing the Distribution and Abundance of Cobalt, Chromium, and Nickel in Minus-80 Mesh Stream Sediment Samples From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-529-J, 1978, 1 map, scale 1:250,000.

80. O'Leary, R.M., E.F. Cooley, G.W. Day, T.D.Hessin, C.M. McDougal, S.K. McDanal, and A.L. Clark. Spectrographic and Chemical Analyses of Geochemical Samples From the Big Delta Quadrangle, Alaska. U.S. Geol. Surv. Open-File Report 78-751, 1978,

81. Smith, P.S. Mineral Industry of Alaska in 1939. U.S. Geol. Surv. Bull. 926-A, 1941, pp. 27-28.

82. Smith, P.S. Mineral Industry of Alaska in 1938. U.S. Geol. Surv. Bull. 917-A, 1939, pp. 29-30.

83. Smith, P.S. Mineral Industry of Alaska in 1936. U.S. Geol. Surv. Bull. 897-A, 1938, pp. 22-23.

84. State of Alaska, Division of Geological and Geophysical Surveys. Aeromagnetic Map, Big Delta Quadrangle, Alaska. State of Alaska, Division of Geological and Geophysical Surveys. Open-File Report #73. 1975, 3 pp., 1 map, scale 1:250:000.

85. Solie, D.N., L.E. Burns, and R.J. Newberry. Gold Favorability in the Big Delta Quadrangle, Alaska, a Predicted by Discriminant Analysis for Non-Porphyry Granitic Rocks. State of Alaska, Division of Geological and Geophysical Surveys, Public Data File 90-13, 1990, 15 pp., 1 sheet, scale 1:250,000.

86. State of Alaska, Division of Geological and Geophysical Surveys. Trace Element and Major Oxide Analyses of Samples From the Eagle and Tanacross Quadrangles, East-Central Alaska. State of Alaska, Division of Geological and Geophysical Surveys, Public Data File 93-4, 1993, 20 pp., 1 map, scale 1:250,000.

87. State of Alaska, Division of Geological and Geophysical Surveys. Aeromagnetic Map, Eagle Quadrangle, Alaska, 1973, 3 pp., 1 sheet, scale 1:250,000.

88. Saunders, R.H. A Geochemical Investigation Along the Taylor Highway, East-Central Alaska. State of Alaska, Division of Geological and Geophysical Surveys Geochemical Report No. 9, 1966, 17 pp., 13 maps, scale 1:63,360.

89. Asher, R.R. Geochemistry and Geology, Boundary Area, Fortymile District, Eagle A-1 Quadrangle, Alaska. State of Alaska, Division of Geological and Geophysical Surveys, Geochemical Report No. 23, 1970, 35 pp., 1 sheet, scale 1:63,360.

90. Burand, W.M. Geochemical Investigations of Selected Areas in the Yukon-Tanana Region of Alaska, 1965 and 1966. State of Alaska, Division of Mines and Minerals, Geochemical Report No. 13., 1968, 51 pp.

91. Smith, W.H. A Geochemical Investigation of a Portion of the Fortymile District, East-Central Alaska. State of Alaska, Division of Mines and Minerals, Geochemical Report No. 16. 1968, 17 pp. 1 map.

92. Newberry, R.J., L.E. Burns, and D.N. Solie. Gold Favorability in the Eagle Quadrangle, Alaska, as Predicted by Discriminant Analysis for Non-Porphyry Granitic Rocks. State of Alaska, Division of Geological and Geophysical Surveys, Public Data File 90-16, 1990, 17 pp., 1 map, scale 1:250,000.

93. Smith, W.H. A Geological and Geochemical Investigation of Mineralization on Hill 3560 Fortymile District, Alaska. University of Alaska - Fairbanks, Master of Science Degree Thesis, 1968, 48 pp.

94. Clough, J.G., M.S. Robinson, K.H. Clautice, and R.B. Blodgett. Evaluation Subunit 35- Charley River and Black River Quadrangles, East-central Alaska: General Geology and Geochemical, Major Oxide, and Lead Isotope Data. State of Alaska, Division of Geological and Geophysical Surveys Public Data File 93-35, 1993, 13 pp., 1 map, scale 1:250,000.

95. Saunders, R.H. Report on the Flume Creek Lode-gold Prospect, Eagle Quadrangle. Territory of Alaska Department of Mines, Property Evaluation PE 60-4, 1956, 9 pp.

96. Saunders, R.H. Mining Operations in the Fortymile District, Fairbanks, Precinct, 1953, Mineral Report MR 60-4, 1953, 10 pp.

97. Williams, J.A. Active Mining Operations in the Fortymile District of the Fairbanks, Precinct in 1951. Territory of Alaska, Department of Mines, Mineral Report MR 60-3A, 1951, 3 pp.

98. Williams, J.A. Mining Operations in the Fortymile District, Fairbanks Recording District. Territory of Alaska, Department of Mines, Mineral Report MR-60-3, 1950, 5 pp.

99. Wimmler, N.L. Notes on Placer Mining Activity in the Fortymile District in 1929. Territory of Alaska, Department of Mines, Investigation Report IR 60-2, 1949, 2 pp.

100. Roehm, J.C. Reported Placer Operations and Mining Activity in the Eagle Precinct, Alaska. Territory of Alaska, Department of Mines, Investigation Report IR 60-2, 1949, 2 pp.

101. Roehm, J.C. Report of Investigations and Itinerary of J.C. Roehm, Associate Mining Engineer, Territorial Department of Mines in the Fortymile Precinct, Alaska. Territory of Alaska, Department of Mines, Investigation Report IR 60-1, 1949, 9 pp.

102. Colp, D.B. Fortymile Placer District Resource Inventory, Alaska. BuMines Open File Report 43-80, 1980, 16 pp., 1 map, scale 1:63,360.

103. Thomas, B.I. Reconnaissance of the Gold-Bearing Quartz Veins in the Tibbs Creek Area, Goodpaster River, Big Delta Quadrangle, Central Alaska. BuMines Open File Report 14-70, 1970, 12 pp.

104. Joesting, H.R., and E. Anderson. Preliminary Report on My Creek Stibnite Prospect, Fortymile District, Alaska. Territory of Alaska Department of Mines, Property Examination PE 60-1, 1942, 4 pp.

105. Saunders, R.H. Report on Scheelite-Bearing Veins at the Weston Placer Mine, Eagle Quadrangle. Territory of Alaska Department of Mines, Property Examination PE 60-5, 1957, 6 pp.

106. Saunders, R.H. My Creek and Our Creek Silver Prospects, Fortymile District, Eagle Quadrangle. Territory of Alaska Department of Mines, Property Examination PE 60-10, 1962, 7 pp.

107. Ebbley, N., and W.S. Wright. Antimony Deposits in Alaska. BuMines RI 4173, 1948, pp. 28-30.

108. Foster, H.L., T.E.C Keith, and W. D. Menzie. Geology of East-Central Alaska. U.S. Geol. Surv. Open File Report 87-188, 1987, 54 pp.

109. Templeman-Kluit, D.J. The Yukon Crystalline Terrane: Enigma in the Canadian Cordillera. Geol. Soc. Am. Bull. v. 87, 1976, pp. 1343-1357.

110. Churkin, M. Jr., H.L. Foster, and R.M. Chapman. Terranes and Suture Zones in East-Central Alaska. J. of Geophys. Research. v. 87, no. B5, 1985, pp. 3718-3730.

111. Hansen, V.L. Yukon-Tanana Terrane: A Partial Acquittal. Geology. v. 18, 1990, pp. 365-369.

112. Oak Ridge Gaseous Diffusion Plant. Hydrogeochemical and Stream Sediment Reconnaissance Basic Data for Tanacross Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, May 29, 1981, 127 pp., 2 illustrations, 1 fiche; ORGDP No. K/UR-325; PR No. 81-100.

113. Langfeldt, S.L., and others. Bendix Field Engineering Corporation and S.R. Garcia, and others, Los Alamos National Laboratory. Uranium Hydrogeochemical and Stream Sediment Reconnaissance of the Tanacross NTMS Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, January 1982, 137 pp., 8 illustrations; PR No. 82-13.

114. Oak Ridge Gaseous Diffusion Plant. Hydrogeochemical and Stream Sediment Reconnaissance Basic Data for Big Delta Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, May 29, 1981, 127 pp., 2 illustrations, 1 fiche; ORGDP No. K/UR-325; PR No. 81-100.

115. Hardy, L.C., and others, Bendix Field Engineering Corporation and M.M Minor, and others, Los Alamos National Laboratory. Uranium Hydrogeochemical and Stream Sediment Reconnaissance of the Big Delta NTMS Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, February 1982, 141 pp., 8 illustrations; PR No. 82-44.

116. Sharp, R.R. Jr., and D.E. Hill, Los Alamos Scientific Laboratory. Uranium Concentrations in Stream Waters and Stream Sediments for Selected Sites in the Eastern Seward Peninsula, Koyukuk, and Charley River Areas, and Across South-Central Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, April 1978, 43 pp., 18 illustrations; Contract No. W-7405-ENG-36; PR No. 78-62.

117. Oak Ridge Gaseous Diffusion Plant. Hydrogeochemical and Stream Sediment Reconnaissance Basic Data for Eagle Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, May 29, 1981, 127 pp., 2 illustrations, 1 fiche; ORGDP No. K/UR-327; PR No. 81-118.

118. D'Andrea, R.F., Jr. and others, Bendix Field Engineering Corporation and W.K. Hensley and others, Los Alamos National Laboratory. Uranium Hydrogeochemical and Stream Sediment Reconnaissance of the Big Delta NTMS Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, August 1982, 145 pp., 8 illustrations; PR No. 82-110.

119. Sharp, R.R. Jr., and D.E. Hill, Los Alamos Scientific Laboratory. Uranium Concentrations in Stream Waters and Stream Sediments for Selected Sites in the Eastern Seward Peninsula, Koyukuk, and Charley River Areas, and Across South-Central Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, April

1978, 43 pp., 18 illustrations; Contract No. W-7405-ENG-36; PR No. 78-62.

120. Oak Ridge Gaseous Diffusion Plant. Hydrogeochemical and Stream Sediment Reconnaissance Basic Data for Charley River Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, June 30, 1981, 123 pp., 2 illustrations, 1 fiche; ORGDP No. K/UR-324; PR No. 81-123.

121. Zinkl, R.J., and others, Bendix Field Engineering Corporation and S.R. Garcia and others, Los Alamos National Laboratory. Uranium Hydrogeochemical and Stream Sediment Reconnaissance of the Charley River NTMS Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, August 1982, 145 pp., 8 illustrations; PR No. 82-103.

122. Oak Ridge Gaseous Diffusion Plant. Hydrogeochemical and Stream Sediment Reconnaissance Basic Data for Black River Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, July 31, 1981, 75 pp., 2 illustrations, 1 fiche; ORGDP No. K/UR-363; PR No. 81-168.

123. D'Andrea, R.F., Jr., and others, Bendix Field Engineering Corporation and W.K. Hensley and others, Los Alamos National Laboratory. Uranium Hydrogeochemical and Stream Sediment Reconnaissance of the Black River NTMS Quadrangle, Alaska. U.S. Department of Energy, Grand Junction Area Office, CO, August 1982, 91 pp., 8 illustrations; PR No. 82-103.

124. WGM Inc. Staff. 1976 Annual Progress Report, Doyon Project, Volume 1a, Blocks 1, 4, 5, 7, 8. Doyon Ltd., Fairbanks, AK. Report No. 77-02a, 1977. Report available for review at Doyon Ltd., Fairbanks, AK.

125. Lessman, J., P. Dea, and J. Ruzicka. 1977 Annual Progress Report, Doyon Project, Volume 7, Mt. Harper Area. Doyon Ltd., Fairbanks, AK. Report No. 78-01, 1978. Report available for review at Doyon Ltd., Fairbanks, AK.

126. Lessman, J., and B. Holm. 1977 Annual Progress Report, Doyon Project, Volume 9, Champion-Lead Creek Area, Block 8. Doyon Ltd., Fairbanks, AK. Report No. 78-02, 1978. Report available for review at Doyon Ltd., Fairbanks, AK.

127. Lessman, J., P. Dea, and J. Ruzicka. 1977 Annual Progress Report, Doyon Project, Volume 8, Mt. Veta Area. Doyon Ltd., Fairbanks, AK. Report No. 78-05, 1978. Report available for review at Doyon Ltd., Fairbanks, AK.

128. Lessman, J., and J. Rishel. 1977 Annual Progress Report, Doyon Project, Volume 12, Middle Fork Tungsten Anomalies. Doyon Ltd., Fairbanks, AK. Report No. 78-10, 1978. Report available for review at Doyon Ltd., Fairbanks, AK.

129. Hawkins, G. Diamond Drilling Report, 1975, Mosquito Prospect. Doyon Ltd., Fairbanks, AK. Report No. 75-10, 1975. Report available for review at Doyon Ltd., Fairbanks, AK.

130. Lessman, J., and M. Yinger. 1977 Annual Progress Report, Doyon Project, Volume 25, Blocks 7 and 8: Other Prospects. Doyon Ltd., Fairbanks, AK. Report No. 78-19, 1978. Report available for review at Doyon Ltd., Fairbanks, AK.

131. Yinger, M., Randolph, D., and J. Ruzicka. 1978 Annual Progress Report, Doyon Project, Happy Mountain Prospect Report. Doyon Ltd., Fairbanks, AK. Report No. 78-35, 1978. Report available for review at Doyon Ltd., Fairbanks, AK.

132. Jirik, R., J. Lessman, G. Fernette, and S. Enns. 1978 Annual Progress Report, Doyon Project, 21 Prospect. Doyon Ltd., Fairbanks, AK. Report No. 79-08, 1979. Report available for review at Doyon Ltd., Fairbanks, AK.

133. Lessman, J. 1978 Annual Progress Report, Doyon Project, South Block 8, Tungsten and Gold Anomalies. Doyon Ltd., Fairbanks, AK. Report No. 79-13, 1979. Report available for review at Doyon Ltd., Fairbanks, AK.

134. Laybourn, D., and Doyon, Ltd. Doyon Project, 1979 Annual Progress Report, Little Enchilada Prospect. Doyon Ltd., Fairbanks, AK. Report No. 79-32, 1979. Report available for review at Doyon Ltd., Fairbanks, AK.

135. WGM Ltd. Summary of Information on Carrie Creek, Duval Creek, Little Whiteman Creek, and Granite Creek, 1979. Doyon Ltd., Fairbanks, AK. Report No. 79-03, 1979. Report available for review at Doyon Ltd., Fairbanks, AK.

136. Magathan, E. The Geology of East-Central and West-Central Yukon: A Report Prepared for the Louisiana Land and Exploration Company, Denver, CO. Doyon Ltd., Fairbanks, AK. Report No. 79-39, 1979. Report available for review at Doyon Ltd., Fairbanks, AK.

137. Union Carbide Corp. Staff. 1979 Lucky 13 Project Area. Doyon Ltd., Fairbanks, AK. Report No. 80-16, 1979. Report available for review at Doyon Ltd., Fairbanks, AK.

138. WGM Ltd. Doyon Project 1979, Annual Progress Report, Tanacross Molybdenum Reconnaissance. Doyon Ltd., Fairbanks, AK. Report No. 80-17, 1980. Report available for review at Doyon Ltd., Fairbanks, AK.

139. Hughs, M.A., and P.L. Siems. 1980 Lucky 13 Project Area. Doyon Ltd., Fairbanks, AK. Report No. 81-03, 1981. Report available for review at Doyon Ltd., Fairbanks, AK.

140. Carter, C.H. Doyon Exploration Program, Blocks 4, 5, 8, and 22. Doyon Ltd., Fairbanks, AK. Report No. 81-27, 1981. Report available for review at Doyon Ltd., Fairbanks, AK.

141. Sweet, K. Interpretation Report of the Geophysical Surveys Conducted on Block 8 and Block 20. Doyon Ltd., Fairbanks, AK. Report No. 82-36, 1982. Report available for review at Doyon Ltd., Fairbanks, AK.

142. Huskey, G.F. 1981 Lucky 13 Project Area. Doyon Ltd., Fairbanks, AK. Report No. 82-49, 1981. Report available for review at Doyon Ltd., Fairbanks, AK.

143. Dashevsky, S.S. Doyon Exploration Program, Block 8 - Fortymile, 1982, Doyon Ltd., Fairbanks, AK. Report No. 83-01, 1983. Report available for review at Doyon Ltd., Fairbanks, AK.

144. Dashevsky, S.S., Block 8 - Fortymile, Summary of Exploration Activity of Placid Oil Company (1975-1978). Doyon Ltd., Fairbanks, AK. Report No. 83-16, 1984. Report available for review at Doyon Ltd., Fairbanks, AK.

145. Dashevsky, S.S., and D.L. Nicol. Geologic Field Examinations in Doyon, Ltd. Regional Selection Blocks 1, 6, 8, 9, 10, 12, 13, 18, 19, 20, 21, and Hughs and MTNT Village Lands, 1984. Doyon Ltd., Fairbanks, AK. Report No. 85-07, 1985. Report available for review at Doyon Ltd., Fairbanks, AK.

146. Cox, D.P., and D.A. Singer, eds. Mineral Deposit Models. U.S. Geol. Surv. Bull. 1693, 1986, 379 pp.

147. Bliss, J.D. ed. Developments in Mineral Deposit Modeling. U.S. Geol. Surv. Bull. 2004, 1992, 168 pp.

148. Brooks, A.H. and S.R. Capps. Mineral Resources of Alaska, Ch. in Report on Progress of Investigations in 1922. U.S. Geol. Surv. Bulletin 755, 1924, p. 22.

149. Brooks, A.H. Placer Mining in Alaska in 1904, Ch. in Report on Progress of Investigations of Mineral Resources of Alaska in 1904. U.S. Geol. Surv. Bull. 259, 1905, pp. 29-30.

150. Brooks, A.H. The Mining Industry of Alaska in 1905, Ch. in Report on Progress of Investigations of Mineral Resources of Alaska in 1905. U.S. Geol. Surv. Bull. 284, 1906, pp 125-126.

151. Brooks, A.H. The Mining Industry of Alaska in 1906, Ch. in Report on Progress of Investigations of Mineral Resources of Alaska in 1906. U.S. Geol. Surv. Bulletin 314, 1907, pp. 38-39.

152. Brooks, A.H. The Mining Industry of Alaska in 1908, Ch. in Report on Progress of Investigations of Mineral Resources of Alaska in 1908. U.S. Geol. Surv. Bull. 379, 1909, p. 53.

153. Ellsworth, C.E. and R.W. Davenport. Placer Mining in the Yukon-Tanana Region, Ch. in Report on Progress of Investigations in 1912. U.S. Geol. Surv. Bull. 542,1913, pp. 213-220.

154. Chapin, T. Placer Mining in the Yukon-Tanana Region, Ch. in Report on Progress of Investigations in 1913. U.S. Geol. Surv. Bull. 592, 1914, p. 361.

155. Brooks, A. H. The Alaska Mining Industry in 1914, Ch. in Report on Progress of Investigations in 1914. U.S. Geol. Surv. Bull. 622, 1915, pp. 62-64.

156. Brooks, A. H. The Alaska Mining Industry in 1915, Ch. in Report on Progress of Investigations in 1915. U.S. Geol. Surv. Bull. 642, 1916, pp. 62-63.

157. Brooks, A. H. The Alaska Mining Industry in 1916, Ch. in Report on Progress of Investigations in 1916. U.S. Geol. Surv. Bull. 662, 1917, pp. 55-56.

158. Martin, G.C. The Alaska Mining Industry in 1918, Ch. in Report on Progress of Investigations in 1918. U.S. Geol. Surv. Bull. 712, 1920, pp. 45-46.

159. Brooks, A.H., and G. C. Martin. The Alaska Mining Industry in 1919. U.S. Geol. Surv. Bull. 714-A, 1921, pp. 88-89.

160. Brooks, A.H. The Alaskan Mining Industry in 1920. U.S. Geol. Surv. Bull. 722-A, 1921, pp. 49-50.

161. Brooks, A.H. The Alaskan Mining Industry in 1921, Ch. in Report on Progress of Investigations in 1921. U.S. Geol. Surv. Bull. 739, 1923, pp. 33-34.

162. Brooks, A.H. The Alaskan Mining Industry in 1923, Ch. in Report on Progress of Investigations in 1922. U.S. Geol. Surv. Bull. 755, 1924, pp. 39.

163. Smith, P.S. Mineral Industry in Alaska in 1926, Ch. in Report on Progress of Investigations in 1926. U.S. Geol. Surv. Bull. 797, 1929, pp. 22.

164. Moffit, F.H. Mineral Industry in Alaska in 1925, Ch. in Report on Progress of Investigations in 1925. U.S. Geol. Surv. Bull. 792, 1927, pp. 18.

165. Smith, P.S. Mineral Industry in Alaska in 1927, Ch. in Report on Progress of Investigations in 1927. U.S. Geol. Surv. Bull. 810, 1930, p. 29.

166. Mertie, J.B. Geology of the Eagle-Circle District, Alaska. U.S. Geol. Surv. Bull. 816, 1930, pp. 162-164.

167. Smith, P.S. Mineral Industry of Alaska in 1929 and Administrative Report. U.S. Geol. Surv. Bull. 824-A, 1930, p. 37.

168. Smith, P.S. Mineral Resources of Alaska in 1930, Ch. in Report on Progress of Investigations in 1930. U.S. Geol. Surv. Bull. 836, 1933, pp. 38-39.

169. Smith, P.S. Mineral Industry in Alaska in 1931, Ch. in Report on Progress of Investigations in 1931. U.S. Geol. Surv. Bull. 844, 1934, p. 36.

170. Smith, P.S. Mineral Industry of Alaska in 1934. U.S. Geol. Surv. Bull. 868-A, 1936, pp. 41-42.

171. Smith, P.S. Mineral Industry of Alaska in 1932. U.S. Geol. Surv. Bull. 857-A, 1934, pp. 37-38.

172. Smith, P.S. Past Placer-Gold Production from Alaska. U.S. Geol. Surv. Bull. 857-B, 1933, pp. 93-98.

173. Smith, P.S. Mineral Industry of Alaska in 1933. U.S. Geol. Surv. Bull. 864-A, 1934, pp. 41.

174. Smith, P.S. Mineral Industry of Alaska in 1935. U.S. Geol. Surv. Bull. 880-A, 1937, pp. 43, 47.

175. Smith, P.S. Mineral Industry of Alaska in 1940. U.S. Geol. Surv. Bull. 933-A, 1942, pp. 44, 49-50.

176. Smith, P.S. Mineral Industry of Alaska in 1937. U.S. Geol. Surv. Bull. 910-A, 1941, pp. 54, 57.

177. Smith, P.S. Fineness of Gold from Alaskan Placers. U.S. Geol. Surv. Bull. 910-C, 1941, pp. 198-201, 189-190.

178. Smith, P.S. Mineral Industry of Alaska in 1939. U.S. Geol. Surv. Bull. 926-A, 1941, pp. 48, 53-54.

179. Boswell, J.C. History of Alaskan Operations of United States Smelting, Refining and Mining Co. Fairbanks, AK. Mineral Industries Research Laboratory, University of Alaska - Fairbanks, 1979.

180. Mitchell, S. Gold Miners Took the "Kink" out of the Fortymile. Fairbanks, AK: Northland News, February, 1988, pp. 8-9.

181. Cobb, E.H. Map Showing Occurrences of Placer Gold in Alaska. U.S. Geol. Surv. Mineral Investigations Resource Map MR-83, 1984, 1 map.

182. Eakins, G.R., T.K. Bundtzen, L.L. Lueck, C.B. Green, J.L. Gallagher, and M.S. Robinson. Alaska's Mineral Industry, 1984. State of Alaska, Division of Geological and Geophysical Surveys Special Report No. 38, 1985, p. 25.

183. Bundtzen, T.K., G.R. Eakins, C.B. Green, and L.L. Lueck. Alaska's Mineral Industry, 1985. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 39, 1986, p. 25.

184. Bundtzen, T.K., C.B. Green, J. Deagen, , and C.L. Daniels. Alaska's Mineral Industry, 1986. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 40, 1987, p. 27.

185. Bundtzen, T.K., C.B. Green, R.J. Peterson, and A.F. Seward. Alaska's Mineral Industry, 1987. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 41, 1988, p. 30.

186. Green, C.B., T.K. Bundtzen, R.J. Peterson, A.F. Seward, J.R. Deagen, and J.E. Burton. Alaska's Mineral Industry, 1988. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 43, 1989, p. 36.

187. Bundtzen, T.K., R.C. Swainbank, J.R. Deagen, and J.L. Moore. Alaska's Mineral Industry, 1989. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 44, 1990, pp. 34.

188. Swainbank, R.C., T.K. Bundtzen, and J. Wood. Alaska's Mineral Industry, 1990. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 45, 1991, pp. 30-31.

189. Bundtzen, T.K., R.C. Swainbank, J.E. Wood, and A.H. Clough. Alaska's Mineral Industry, 1991. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 46, 1992, pp. 33-34.

190. Swainbank, R.C., T.K. Bundtzen, A.H. Clough, E.W. Hansen, and M.G. Nelson. Alaska's Mineral Industry, 1991. State of Alaska, Division of Geological and Geophysical Surveys, Special Report No. 47, 1992, p. 30.

191. Spurr, J.E. Geology of the Yukon Gold District, Alaska. U.S. Geol. Survey Eighteenth Annual Report, Part III, 1898, pl. 38, pp. 252-3.

APPENDIX A. -- Placer mine reference[5] and location[6] index table for the Fortymile, Seventymile, and Eagle mining districts

[5] Numbers under the column heading 'Reference Number' refer to the list of references in the section REFERENCES.

[6] Locations of placer mines are indicated on figure 2.

Appendix A. -- Placer mine reference and location index table for the Fortymile, Seventymile, and Eagle Mining Districts

Walker Fork Drainage		
Map number: Location	Reference number	Comments
108: Poker Creek	8, 10, 14, 15, 17, 23, 154, 170, 171, 173, 177, 187	Benches and the creek were mined; methods include open cut, dragline scrapers, and dredging.
109: Davis Creek	8, 10, 14, 15, 17, 23, 154, 170, 171, 173, 187	Benches and the creek were mined; methods include open cut, dragline scrapers, and dredging. Minor gold observed in quartz veins.
111: Cherry Creek	8, 12, 186, 190	Some prospecting at the head of Cherry Creek as early as 1903.
113: Crow Creek	12	Prospecting done in as early as 1903.
112: unnamed gulch		West draining gulch on the right limit of Cherry Creek downstream of Crow Creek. Placer tailings shown on USGS topographic map Eagle A-1.
98: Twelvemile Creek	8, 9	Prospected to a considerable extent but no rich pay found. A gravel terrace exists 122 m (400 feet) above, and on both sides of the Walker Fork near Twelvemile Creek.
97: Liberty Creek	8, 156, 188	Gold found where gravel occurs but rich pay was not found. Portions of Liberty Creek are currently (1993) being mined.
98: Jack Wade Creek	8, 9, 10, 11, 12, 14, 15, 16, 17, 23, 97, 98, 101, 148, 149, 150, 152, 153, 155, 156, 159, 160, 162, 163, 165, 169, 171, 172, 173, 174, 175, 176, 177, 178, 182, 184, 190	Discovered in 1899. Rim or bench deposits on both limits were richer than the creek bed deposits. Richest section occurred in the middle of the 12.8-km-long (eight-mile-long) creek. Mining methods included ground sluicing with long tom and rocker boxes, drift mining, steam-driven scraper and sluice box, dredging, bulldozer-trommel-sluice box, and more recently by portable suction dredges. Some large pieces of quartz filled with gold were recovered.
102: Gilliand Creek	14, 181	Coarse gold was mined in the 1930's.
100: Jefferson Creek	188	

Map number: Location	Reference number	Comments
101: Robinson Creek	188	
110: Upper Walker Fork	8, 9, 10, 11, 14, 15, 16, 17, 23, 150, 151, 152, 153, 154, 159, 163, 164, 165, 167, 168, 170, 171, 173, 174, 176, 184, 186, 187, 189, 190, 191	Mined in the early days by open cut, dragline scraper, and then hydraulic methods. An early (1907) steam dredge operated upstream from Twelvemile Creek, another steam dredge operated in upper Walker Fork in 1907-8, and in 1934 a stacker-type steam dredge mined several miles on upper Walker Fork. In 1925 a steam shovel mined in upper Walker Fork.
North Fork Fortymile River		
33: The Kink	14, 180	In 1899 several men blasted out a ridge separating arms of a meander to reroute the Fortymile River and expose gravel for gold mining. A dredge was moved from the Fortymile River to the Kink but was unsuccessful.
24: Ben Creek	181	Small scale placer mining at the mouth of Ben Creek and on Slate Creek occurred.
72: Wilson Creek	8, 174, 187	Prospecting found low-grade pay.
29: Confederate Creek	8, 15, 153	Prospecting found low-grade pay. Prospected and mined as early as 1903.
25: Gold Run Creek	8, 149	Prospecting found low-grade pay.
31: Montana Creek	8, 15, 150, 153	Prospecting found low-grade pay. Prospected and mined as early as 1903.
30: Hutchinson Creek	8, 15, 17, 190	Prospecting found low-grade pay. Prospected and mined as early as 1903.
26: Fish Creek	8, 17	Prospecting found low-grade pay.
23: Champion Creek	8	Prospecting found low-grade pay.
X: Allegheny Creek	8	Prospecting found low-grade pay. Location is uncertain.
32: Bullion Creek	8	Prospecting found low-grade pay.
28: Texas Creek	155	Prospects found before 1914.

Map number: Location	Reference Number	Comments
X: Eagle Creek	171	Location is unknown.
27: Little Whiteman Creek	Al Cronk, verbal Comm.	Apparently this creek was drilled to a limited extent with some gold found.
Fortymile River, South Fork and Mosquito Fork Tributaries		
89: Atwater Creek	187	
66: Uhler Creek	190	
83: Mosquito Fork	14, 164, 178, 185, 188, 189, 190	Drilling was conducted near Ingle Creek in 1925. Dredging commenced around 1935-1936 but was idle in 1938. The bucket steam dredge was installed 244 m (800 feet) downstream of Gibralter Rock (bluff on N side of river 1.2 km (3/4 mi) below Lost Chicken Creek) and was worked up stream for 518 m (1700 feet).
70: Franklin Gulch (Creek)	8, 9, 10, 11, 14, 15, 16, 17, 23, 150, 153, 156, 163, 165, 167, 168, 169, 170, 171, 173, 174, 177, 191	Site of the first gold discovery in the Fortymile area (1884). Rich pay was mined for 4.8 km (3 mi) by open cut hand methods and some drift mining.
96: Napoleon Creek	8, 10, 14, 15, 17, 23, 96, 97, 98, 101, 150, 152, 153, 156, 163, 167, 168, 169, 170, 171, 173, 174, 190, 191	Discovered in 1888, this creek gave rich pay from the creek bed and benches along the limits of Napoleon Creek.
84: Denison Fork	8, 23, 153, 158, 159, 160, 190	Prospected to a limited degree with a significant effort to drill benches between Dension and Mosquito Forks for future dredging.
82: Lost Chicken Creek	8, 10, 11, 14, 15, 96, 97, 98, 101, 150, 152, 155, 156, 163, 173, 175, 176, 177, 178, 184, 188, 189	Discovered in 1901. Rich pay found in the creek and on benches between this and Chicken Creek. Extensive drift mining as early as 1902 where bedrock was 14-16 m (45-53 ft) deep. Later years saw the use of hydraulic-bulldozer-sluice box methods.

Map number: Location	Reference Number	Comments
75: Ingle Creek	9, 10, 11, 15, 16, 17, 96, 97, 98, 99, 101, 152, 153, 154, 155, 156, 163, 165, 169, 170, 173, 177, 189, 190	Alluvial fan at mouth, bench gravel 91 m (300 ft) above creek, and creek gravel were mined here. Bedrock is a green tuffaceous rock with much disseminated sulfide. Bench material is sloughing colluvium upon an altered diorite. Scheelite is a common associate with the gold.
74: Lilliwig Creek	14, 188	A small intrusive mass with a sericite-altered, quartz- and calcite-veined shear zone contains gold-bearing pyrite and chalcopyrite. Located midway up Lilliwig Creek.
81: Chicken Creek	8, 9, 10, 11, 14, 15, 16, 23, 96, 98, 99, 101, 149, 150, 152, 153, 154, 155, 156, 163, 165, 167, 169, 171, 173, 174, 175, 176, 177, 178, 179, 182, 183, 184, 185, 187, 188, 189, 190, 191	Much of the Chicken Creek area had been drift mined in the early years. Bedrock is mostly basalt and tertiary sandstone. By 1953 the Fairbanks Exploration Company purchased most of the mining claims in the Chicken Creek drainage and began to prepare for dredge operations. The Pedro #4 dredge operated from 1959 to 1967 in Chicken Creek; the dredge remains there today. Bench mining by open cut methods is the current method of mining on Chicken Creek.
77: Myers Fork	8, 10, 11, 14, 15, 97, 98, 153, 164, 176, 177, 178, 179, 190	This creek has been mined by open cut bulldozer-hydraulic methods. Bedrock is basalt and gravel is mostly basalt with a thickness of 2.4 to 6.1 m (8 to 20 feet).
80: Barge Bench	101	This bench sits on the left limit of Myers Fork. Bedrock is veined and altered basalt. Mined by bulldozer-sluice methods.
79: Stonehouse Creek	8, 10, 11, 14, 15, 96, 98, 101, 173, 177	This creek has been mined by open cut with bulldozer and scraper methods. Bedrock is phyllite on the upstream side and sandstone on the downstream side.
78: Irene Gulch	10	Mined by open cut methods. This gulch is a small tributary of Stonehouse Creek.
105: Baby Creek	17, 188, 189	
37: Moose Creek	188	

Map number: Location	Reference number	Comments
107: Woods Creek	8, 10	
106: Camp Creek (Arkansas Creek .)	8, 10, 187	
104: Squaw Gulch (Creek)	8, 10, 12, 15, 17, 23, 96, 97, 153, 155, 156, 170, 169, 188, 190	Considerable ditching and dam building for hydraulic mining. This gulch was a rich producer for many years.
103: Canyon Creek	8, 9, 10, 12, 14, 15, 17, 23, 97, 101, 153, 163, 165, 169, 170, 174, 175, 178, 186, 190	Canyon Creek was dredged for 4.8 km (3 miles) near the headwaters and was sporadically mined and prospected its entire length. The dredge arrived in 1938. High auriferous gravel occurs on west bank of Canyon Creek.
45: Nugget Gulch	8, 10, 12	Nugget Gulch was considered a rich stream for its length. The pay was restricted to the segment of gulch below high gravel benches that rim the Fortymile River.
34: Dome Creek	8, 10, 11, 12, 14, 17, 23, 99, 153, 156, 159, 161, 164, 167, 168, 169, 174, 175, 176, 177, 178, 188, 191	Discovered in 1893, Dome Creek is a noteworthy occurrence of placer gold in a region of similar bedrock that otherwise lacks placer gold occurrences. Benches found 6.4 km (4 mi) up and 3.2 km (2 mi) down from Little Miller Creek. Gravel increases in thickness upstream.
71: Buckskin Creek	8, 15, 97, 150, 153, 155, 174	Buckskin Creek was not considered a rich gold placer creek.
73: Fortyfive Pup	8, 15, 17, 23, 177, 184, 185, 186, 187, 188, 189, 190	Significant pay was reported found in 1934.

Map number: Location	Reference Number	Comments
Eagle Mining District		
17: Boundary Creek	14, 8	Gold is found the entire length of the creek but heavy wash and boulders made mining impractical.
19: American Creek	8, 10, 14, 15, 16, 24, 149, 150, 152, 153, 155, 156, 159, 165, 166, 168, 171, 173, 174, 175, 176, 177, 178, 187, 190, 191	Discovered in 1891, American Creek was mined by ground sluicing with dam and automatic gate, flume-fed hydraulic plants, and in the later years by bulldozer-backhoe-sluice plants. The creek contained some platinum.
21: Alder Gulch	14, 8	Discovered in 1891, Alder Gulch was mined out in a few years. It forms a small pup 20.8 km (13 mi) upstream from the mouth of American Creek on the left limit.
18: Discovery Fork	8, 10, 15, 149, 153, 174, 176	Discovered in 1891, Discovery Fork had rich ground the first 1.6 km (1 mi) up from its mouth. Serpentine forms the bedrock.
22: Mission Creek	8, 14, 191	Coarse gold was found in many places but no significant pay streaks were discovered.
16: Wolf Creek	8, 178	Pay was mined for 1.6 km (1 mi) but was never rich.
20: Dome Creek	176	Small amount of gold produced here.
Seventymile District		
15: Rock Creek	15	Coarse gold found on bedrock below 15 m (50 feet) of muck. Gold content per pan was too low for profitable mining.
7: Washington Creek	17, 154	Mined and prospected at the mouth by dump-gate ground sluicing. Prospecting the upper portions of Washington Creek failed to find promising pay.

Map number: Location	Reference Number	Comments
2: Flume Creek	8, 10, 15, 17, 23, 152, 153, 155, 174	Some coarse gold was found and mined by open cut methods but Flume Creek was not a rich paying stream.
3: Alder Creek	8, 14, 15, 17, 23, 24, 100, 148, 153, 157, 161, 162, 168, 173, 174, 175, 176, 177, 178, 190	
4: Nugget Creek	8, 10, 14, 15, 152, 155, 168, 177	Nugget Creek is a small tributary entering the Seventymile River 16 km (10 mi) upstream from Barney Creek. Pay was found over four claim lengths. Bedrock is gneissic granite. Some drift mining done.
5: Barney Creek	8, 10, 14, 15, 16, 23, 152, 153, 157, 168, 173, 175, 176, 177, 178	This creek drains auriferous conglomerate bedrock. Gold discovered on this creek in 1895.
10: Brokenneck Creek	8, 10, 14, 17, 153, 166, 168, 175, 176, 177	This creek drains auriferous conglomerate bedrock.
12: Crooked Creek	8, 14, 15, 16, 17, 23, 100, 148, 153, 155, 157, 161, 162, 166, 168, 171, 173, 174, 175, 176, 177, 178	This creek drains auriferous conglomerate bedrock.
X: Fork Creek	8, 17	
1: Arctic Creek		
14: Fox Creek	14, 23, 100, 153, 155, 156, 177, 178	This creek drains auriferous conglomerate bedrock. Gold is not found above confluence with Lucky Gulch.
6: Sonickson Creek	10, 15, 17, 23, 153, 155	Some prospecting and limited mining was done near the mouth of Sonickson Creek. This creek drains conglomerate, schist, greenstone, and granite. Results of prospecting were not encouraging.
11: Curtis Bar	15, 17, 153, 155	

Map number: Location	Reference Number	Comments
8: Canyon Creek	8, 153	
9: Seventymile River	14, 15, 16, 157, 159, 166, 171, 173, 174, 175	One hundred holes were drilled in low benches of the Seventymile River just above The Falls.
13: Lucky Gulch	14, 17, 153, 175, 178	Some drift mining was done on this creek but no rich pay was found.
9: The Falls	12, 14, 175, 178	Bench gravel were mined upstream of The Falls. A ditch, 2-km-long (1.25 mi), fed water from Washington Creek.
South Fork and Main Fortymile River Bars and Benches		
35: Fortymile River	8, 9, 14, 186, 187, 190, 191	In 1907 a small dredge worked from the U.S.-Canada border up stream for 4.8 km (3 mi) but was not deemed a financial success. The dredge stopped at Moose Creek. The Fortymile River has seen a continuous history of sniping from bars using rocker boxes and in more modern times by suction dredges since the earliest prospecting of the region.
35: Boundary	8, 9	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
35: Sam Patch	8, 9	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
36: Moose Creek Bars and Riffles	8, 9	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. A ditch and flume were constructed to feed water for ground sluicing.
38: Claghorn Bars and Riffles	8, 10, 17, 153	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. A 4.8 km-long (3-mi) ditch from Elmer Creek, a tributary of Moose Creek fed water for ground sluicing.
39: Discovery Bar	8, 10, 17, 153	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
40: Smith Creek Riffles and Creek	8, 10, 171, 177, 184	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Bench mining was attempted but not considered as rich pay.

Map number: Location	Reference Number	Comments
41: Dead Man Riffles	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
42: Green Island Bar	8, 17, 153	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
42: French Hoe Bar	8, 10	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. High benches exist above the Fortymile River.
43: Bonanza Bar and Bench	8, 10, 12, 17, 153	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. High benches exist above the Fortymile River. Bonanza Bar has been worked repeatedly.
44: Jew Bar	8, 10, 12	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. High benches exist above the Fortymile River.
44: Nugget Bar	8, 10, 12	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. High benches exist above the Fortymile River.
46: Fly Point	8, 10, 12	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. High benches exist above the Fortymile River.
47: Twin Creek Bars and Benches	8, 10, 12	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Rich pay reportedly taken out. High benches exist above the Fortymile River.
48: Steel Creek Bars	8, 10, 12, 15, 156, 157, 174	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Later years steam scraping and hydraulic methods were used. High benches exist above the Fortymile River.
49: Maiden Bar and Benches	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
50: Flat Creek Bars	8, 10, 23, 152, 156	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. A little pay was taken out at the mouth of Flat Creek.

Map number: Location	Reference Number	Comments
51: Five Mile Island Bars	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
52: Scourvey Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
53: Montana Bars	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
54: Taylor Highway Bridge Bench	105	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Placer scheelite abundant in bench gravel.
54: O'Brien Creek Bars	8, 10, 188	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. No significant pay found on bars of O'Brien Creek.
55: Falls Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
56: Wheelbarrow Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
57: Carter's Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
58: Indian Creek Bars	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
59: White Bluff Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
60: Sourdough Bar	8, 10	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
61: Long Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.

Map number: Location	Reference Number	Comments
62: Hyde Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
63: Wildcat Riffles	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
64: Butte Bar and Bench	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Mined at or near mouth of Butte Creek, but not a rich deposit.
65: Uhler Creek Bars and Benches	8, 97, 101	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Rich pay taken out at the mouth of Uhler Creek and from benches near the mouth.
67: Pump Bar	8, 9, 10, 17, 23, 152	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. A steam dredge operated from here to 6.4 km (4 mi) up stream, 0.8 km (0.5 mi) below Franklin Creek during 1910-1914. Dredge restarted in 1921 but failed.
68: Cranston Bar	8, 9	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
69: Chaska Bar	8, 9	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
94: Troublesome Bar and Bench	8, 15	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
95: Napoleon Bars and Bench	8, 9	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
93: Corkscrew Riffles	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
92: Walker's Fork Bars	8, 9, 149	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.

Map number: Location	Reference Number	Comments
91: McRay Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
90: Atwater Bars and Bench	8, 15, 96, 97, 101, 156	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Later years the bar was reworked with scrapers. Atwater Bar reportedly has a high black sand content and was rich paying.
88: Hellgate Riffles	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
87: Sterling Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
86: Gibralter Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
83: Lost Chicken Bar	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
76: Ingle Creek Basin	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box.
X: Taylor Creek Bars	8	Shallow gravel bar mined in the early days by ground sluice and shovel-in rocker box. Location is in the Tanacross quadrangle.
Fortymile Mining District		
Fortymile Mining District	30, 172	Production statistics for years 1922-1923, 1883-1930

APPENDIX B. -- Analytical Results for Samples Collected in 1993

Legend for appendix B

Sample Type	
PC	Panned Concentrate
R	Rock
SO	Soil
SS	Stream sediment
Analytical Method	
AAS	Atomic absorption spectroscopy
Assay	Gravimetric assay technique
BF-ICP	Borate fusion-inductively coupled plasma spectroscopy
ICP	Inductively coupled plasma spectroscopy
INAA	Instrument neutron activation analysis
TITRA	Titrametric method
XRF	X-ray Fluorescence

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
BD1	BL06703		64	20.470	144	12.800	R
BD1	BL07956	Carrie Creek	64	20.391	144	12.706	R
BD2	BL07955	Carrie Creek	64	19.766	144	12.945	R
BD3	BL07948	Carrie Creek	64	17.294	144	18.153	R
BD3	BL07949	Carrie Creek	64	17.294	144	18.153	R
BD4	BL07957	Carrie Creek	64	17.426	144	17.383	R
BD5	BL07950		64	17.933	144	15.908	PC
BD5	BL07951		64	17.905	144	15.612	PC
BD6	BL07954	Carrie Creek	64	17.872	144	13.258	R
BD6	BL07958	Tripper Ridge	64	17.872	144	13.258	R
BD7	BL07953	Carrie Creek	64	17.462	144	13.768	R
BD8	BL07952	Carrie Creek	64	17.222	144	14.264	R
BD8	BL06702		64	17.110	144	14.300	R
BD8	BL06701		64	17.100	144	14.500	R
BD9	BL07959	Lynx Saddle	64	16.731	144	14.368	R
BR1	BL28824		66	31.989	141	16.453	PC
BR1	BL28825		66	31.989	141	16.453	SS
BR2	BL28788		66	31.035	141	18.866	R
BR2	BL28789		66	31.035	141	18.866	R
BR3	BL28775		66	26.528	141	31.963	R
BR3	BL28815	Pink Bluff	66	26.528	141	31.963	R
BR4	BL28786		66	26.582	141	33.277	R
BR4	BL28787		66	26.582	141	33.277	R
BR5	BL28785		66	26.248	141	33.707	SS
BR6	BL28784		66	26.078	141	34.627	R
BR7	BL28816	Racquet Creek	66	20.619	141	03.231	PC
BR7	BL28776		66	20.512	141	03.285	R
BR8	BL28817		66	20.438	141	04.121	SO
BR8	BL28778		66	20.288	141	04.024	R
BR8	BL28779		66	20.288	141	04.024	R
BR8	BL28777		66	20.274	141	04.200	R
BR9	BL28819		66	15.900	141	09.800	PC
BR9	BL28818		66	15.900	141	09.800	SS
BR10	BL28820		66	13.222	141	05.982	R
BR11	BL28821		66	08.633	141	17.901	PC
CR1	BL28807		65	58.919	142	28.734	PC
CR1	BL28808		65	58.919	142	28.734	R
CR1	BL28809		65	58.919	142	28.734	SS
CR2	BL28803		65	58.495	142	19.400	SO
CR2	BL28804		65	58.224	142	19.747	SO
CR3	BL28805		65	57.904	142	19.907	SO
CR3	BL28806		65	57.787	142	19.663	SO
CR4	BL28768		65	57.547	142	20.217	SO
CR4	BL28769		65	57.539	142	20.220	R
CR4	BL28770		65	57.539	142	20.220	SO
CR5	BL28771		65	57.055	142	22.490	SO
CR6	BL28810		65	54.301	142	39.808	R
CR6	BL28811		65	54.198	142	39.870	R
CR7	BL28813		65	53.720	142	40.356	SS
CR7	BL28812		65	53.711	142	40.395	SS
CR8	BL28780		65	51.672	142	44.368	SO
CR9	BL28774		65	51.452	142	44.751	SO
CR9	BL28773		65	51.433	142	44.727	SO
CR9	BL28772		65	51.241	142	44.710	SO

Map number	Sample number	Description
BD1	BL06703	Quartz vein with arsenopyrite-chalcopyrite-tetrahedrite.
BD1	BL07956	Select of pyrite and Pb-Sb sulfosalt-bearing milky-white quartz boulder (2m x 2m x 1m)
BD2	BL07955	Milky-white quartz veins with 3% disseminated arsenopyrite.
BD3	BL07948	Select of arsenopyrite(70%) selvage along 30cm x 50cm milky-white quartz vein with vuggy-dogtooth quartz core.
BD3	BL07949	Galena-pyrite-arsenopyrite in milky-white quartz vein. Sample taken from boulder measuring 10cm x 10cm x 15cm.
BD4	BL07957	Arsenopyrite and pyrite in 6cm-wide milky-white quartz vein.
BD5	BL07950	Panned concentrate.
BD5	BL07951	Panned concentrate.
BD6	BL07954	Silicified Mt. Harper biotite granodiorite with disseminated pyrite-arsenopyrite.
BD6	BL07958	Fresh sample of Mt. Harper fine-grained, biotite granodiorite.
BD7	BL07953	Altered Mt. Harper biotite granodiorite with 2% disseminated pyrite.
BD8	BL07952	Quartz vein with 2-3% yellow-green oxide coating (scorodite) and 1% fresh arsenopyrite.
BD8	BL06702	Quartz vein with galena-pyrite-chalcopyrite-tetrahedrite(?).
BD8	BL06701	Quartz vein with 5% arsenopyrite.
BD9	BL07959	Select of pyrite-chalcopyrite-arsenopyrite-sphalerite in milky-white quartz vein.
BR1	BL28824	Panned concentrate from high-gradient stream. Cobbles are mostly quartzite.
BR1	BL28825	Stream sediment.
BR2	BL28788	Dull gray-green, phyllitic siltstone which seems abnormally dense. Minor limonitic coatings on quartz lined fractures.
BR2	BL28789	Asbestos-veined pyroxene-plagioclase dike. Contains minor chalcopyrite.
BR3	BL28775	Black-red brown dense gossan. Pieces up to 25cm in diameter.
BR3	BL28815	Massive galena with minor(3%) calcite veining-vug fill.
BR4	BL28786	Red, hematite-altered sandstone.
BR4	BL28787	Hematite- and MnO2-altered sandstone.
BR5	BL28785	Stream sediment.
BR6	BL28784	Dolomite breccia cemented with milky-white quartz. Quartz is finely banded and crustiform.
BR7	BL28816	Panned concentrate from coarse stream sediments which are mostly black phyllite. Minor black sands and possibly scheelite are present in concentrate.
BR7	BL28776	Massive green-gray chlorite-amphibole-biotite-magnetite-pyrrhotite rock associated with hornfels at intrusive contact. Radiometric reading in area is 190 CPS.
BR8	BL28817	Soil sample from grus and weathered rubble from intrusive.
BR8	BL28778	Propylitic -altered medium-grained felsic intrusive with apparent foliation of coarse feldspar grains.
BR8	BL28779	Medium-grained biotite-amphibole quartz monzonite. Radiometric reading from area is 110 CPS.
BR8	BL28777	Gray-green, fine-grained, equigranular intrusive dike.
BR9	BL28819	Panned concentrate; concentrates contained moderate amounts of black sands.
BR9	BL28818	Stream sediment sample from small incised tundra stream with high loess-organic content in sediment.
BR10	BL28820	Random chip of quartz segregation boulders mixed in rubble outcrop of ?KJs. Quartz has minor limonitic stained areas.
BR11	BL28821	Panned concentrate from gravel bar washed during high flow periods. Gravel fragments are phyllite and siltstone. Concentrate from 2 full pans; very minor black sands.
CR1	BL28807	Panned concentrate.
CR1	BL28808	Coarse-grained, poorly-sorted, non-calcareous arenite. Rock has been veined(10%) and altered. Veins are composed of quartz and MnO2.
CR1	BL28809	Stream sediment.
CR2	BL28803	Loess
CR2	BL28804	Loess
CR3	BL28805	Loess
CR3	BL28806	Loess
CR4	BL28768	Soil sample from silty loess.
CR4	BL28769	Chert pebble conglomerate with clasts up to 1.5cm in size; very siliceous.
CR4	BL28770	Soil sample from loess with minor gravels.
CR5	BL28771	Soil sample from loam-loess soil with angular cobbles of chert conglomerate
CR6	BL28810	Lithological sample of chert pebble conglomerate (?Dnrc?); strike,dip:115,75N.
CR6	BL28811	Coarse-grained arenite to pebble conglomerate. Up to 5% open space filling quartz veins with minor ?hematite along selvage. Strike,dip:N60W,75N.
CR7	BL28813	Stream sediment sample from small incised tundra stream with a high organic content in the sediment.
CR7	BL28812	Stream sediment sample from small incised tundra stream with high organic-loess content in sediment.
CR8	BL28780	Soil sample of tan, clayey soil with rock fragments of phyllitic siltstone. Radiometric reading from bare soil is 100 CPS.
CR9	BL28774	Soil sample from light tan, clayey soil with rock fragments of tan phyllitic mudstone-shale. Radiometric reading on bare soils is 160 CPS.
CR9	BL28773	Shallow soil sample of lt. tan clayey soil with high percentage of phyllitic shale fragments. Radiometric readings of bare soil 147 CPS.
CR9	BL28772	Soil sample. Radiometric readings in general area-140 CPS. Bedrock is varied- color phyllitic mudstone-shale.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
BD1	BL06703	20.9		0.46		2.29	773			<0.001		328			33			0.42	13.1		
BD1	BL07956	>50		1.12		1.46	192			0.003		73			49			0.04	9.4		
BD2	BL07955	4.8		0.11		1.24	1908			0.002		126			<5			<0.01	<2		
BD3	BL07948	>50		0.5		0.3	>2000			0.002		33			88			0.04	<2		
BD3	BL07949	21.7				0.78	1849					87			<5			0.11	9.4		
BD4	BL07957	2.1		0.02		1.81	>2000			0.004		171			<5			0.07	<2		
BD5	BL07950	<0.5	<5			1.89	82	24	7			575	730		<5		2	1.19	<2	<10	160
BD5	BL07951	<0.5	<5			2.18	102	126	210			574	640		<5	<1	8	0.65	<2	<10	110
BD6	BL07954	<0.5		<0.02		2.8	1474			0.013		286			<5	1		0.04	<2		
BD6	BL07958													1050							
BD7	BL07953	0.8	<5			2.52	274	411	110			744	980		<5	<1	4	0.16	<2	<10	74
BD8	BL07952	7.8		0.17		1.94	1064			<0.001		312			14			0.02	<2		
BD8	BL06702			0.61						<0.001											
BD8	BL06701	20.9		0.48		2.2	>2000			0.005		294			101	130		0.06	<2		
BD9	BL07959	24.6		0.53		0.75	19			0.003		81			28			<0.01	9.2		
BR1	BL28824	<0.5	<5			3.63	52	33	<5			678	840		7		3	0.08	<2	<10	490
BR1	BL28825	<0.5	<5			2.33	24	11	<5			804	1200		14		29	0.69	<2	<10	83
BR2	BL28788		<5					30	6				340				<1			<10	60
BR2	BL28789		<5					34	6				210				<1			<10	<10
BR3	BL28775	<0.5		<0.02		0.7	<5					64			<5			0.12	<2		
BR3	BL28815	>50		2.3		0.03	20					12			5			0.03	<2		
BR4	BL28786		<5					6	<5				<100				<1			<10	19
BR4	BL28787		<5					6	<5				520				<1			<10	27
BR5	BL28785	<0.5	5			2.56	20	9	8			740	990		7		4	0.82	<2	<10	97
BR6	BL28784		<5					34	7				<100				3			<10	<10
BR7	BL28816	<0.5	<5			4.98	51	70	13			808	800		56		2	2.17	<2	<10	370
BR7	BL28776	<0.5				4.23	23					302			26			>10	<2		
BR8	BL28817	<0.5	<5			4.78	<5	10	7			1106	1300		17		2	1.02	<2	<10	170
BR8	BL28778		<5					25	8				1100				<1			<10	110
BR8	BL28779			<0.02										876							
BR8	BL28777																				
BR9	BL28819	<0.5	<5			2.94	<5	16	<5			567	690		15		<1	0.12	<2	<10	800
BR9	BL28818	<0.5	<5			3.49	<5	17	<5			737	970		43		1	0.47	<2	<10	130
BR10	BL28820		<5					4	<5				<100				<1			<10	<10
BR11	BL28821	<0.5	8			3.86	38	28	<5			695	860		18		<1	0.16	<2	<10	130
CR1	BL28807	<0.5	<5			0.94	24	27	<5			248	250		21		<1	0.1	<2	<10	21
CR1	BL28808	<0.5				0.73	45					141			<5			0.03	<2		
CR1	BL28809	<0.5	<5			2.4	6	16	7			832	1200		<5		6	1.22	<2	<10	78
CR2	BL28803	<0.5	<5			3	36	14	<5			966	1300		15		3	1.27	<2	<10	89
CR2	BL28804	<0.5	<5			2.48	<5	15	5			972	1300		<5		1	0.99	<2	<10	69
CR3	BL28805	<0.5	<5			2.45	36	12	<5			930	1400		7		2	1.2	<2	<10	78
CR3	BL28806	<0.5	<5			3.46	31	13	<5			1165	1400		12		3	1.55	<2	<10	67
CR4	BL28768	<0.5	<5			3.09	30	17	8			1040	1400		8		3	1.56	<2	<10	110
CR4	BL28769		<5					102	30				220				<1			<10	15
CR4	BL28770	<0.5	<5			3.1	33	16	<5			1051	1300		8		2	1.35	<2	<10	87
CR5	BL28771	<0.5	<5			2.6	34	15	<5			1004	1400		<5		2	1.49	<2	<10	88
CR6	BL28810																				
CR6	BL28811		<5					7	<5				620				<1			<10	18
CR7	BL28813	<0.5	<5			3.05	24	8	7			957	1300		15		2	1.44	<2	<10	82
CR7	BL28812	<0.5	<5			3.19	<5	14	<5			982	1000		<5		2	1.26	<2	<10	83
CR8	BL28780	<0.5	<5			3.06	21	12	<5			947	1400		11		1	0.74	<2	<10	73
CR9	BL28774	<0.5	<5			3.35	12	11	<5			798	1000		15		1	0.64	<2	<10	89
CR9	BL28773	<0.5	<5			3.24	<5	10	<5			768	980		8		<1	0.59	<2	<10	78
CR9	BL28772	<0.5	<5			2.52	17	9	<5			754	1100		<5		1	0.55	<2	<10	83

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
BD1	BL06703		7		391			416				1.49		11			1.87	16		18	
BD1	BL07956		3		224			3886				1.42		<10			0.72	<5		10	
BD2	BL07955		<1		205			56				0.43		<10			0.73	5		29	
BD3	BL07948		2		162			17				1.07		10			0.11	<5		13	
BD3	BL07949		<1		222			9				0.62		<10			0.45	<5		12	
BD4	BL07957		3		224			23				0.96		<10			0.63	8		9	
BD5	BL07950		5	<10	370	520	2	21			<2	1.92	2.6	13	6	<100	0.51	66	79	19	0.5
BD5	BL07951		3	<10	400	530	3	38			<2	1.97	3.3	14	6	<100	0.57	30	54	19	<0.5
BD6	BL07954		<1		146			7				1.19		13			1.45	28		19	
BD6	BL07958	0.01																			
BD7	BL07953		1	<10	132	180	3	11			<2	1.41	2.1	17	5	<100	1.65	29	42	9	<0.5
BD8	BL07952		<1		289			10				0.74		<10			0.75	11		6	
BD8	BL06702								0.05												
BD8	BL06701		<1		337			42				1.31		11			1.4	18		6	
BD9	BL07959		<1		187			419	0.04			0.4		<10			0.36	<5		7	
BR1	BL28824		24	36	149	170	4	27			8	5.11	6.5	18	11	<100	1.93	97	190	15	0.5
BR1	BL28825		16	25	337	510	6	48			2	2.85	4.3	13	8	<100	1.03	15	44	26	<0.5
BR2	BL28788			<10		250	2				<2		1.9		8	<100			27		<0.5
BR2	BL28789			53		290	<1				<2		8.5		<2	<100			6		<0.5
BR3	BL28775		93		26			38				>10		29			0.25	<5		15	
BR3	BL28815		1		8			10				1.93		<10			0.01	<5		<2	
BR4	BL28786			<10		350	<1				<2		>10		<2	<100			10		<0.5
BR4	BL28787			19		560	<1				<2		2		4	<100			14		<0.5
BR5	BL28785		13	28	199	310	4	28			3	2.45	4.1	16	9	<100	0.72	17	46	27	0.6
BR6	BL28784			<10		110	<1				<2		<0.5		<2	<100			<5		<0.5
BR7	BL28816		15	30	154	140	3	37			7	>10	>10	23	14	<100	1.08	103	180	61	<0.5
BR7	BL28776		43		12			109				9.38		26			1.4	184		54	
BR8	BL28817		9	12	193	190	4	29			4	4.18	5	24	8	<100	0.85	51	110	48	0.6
BR8	BL28778			<10		<50	<1				3		4.7		4	<100			55		<0.5
BR8	BL28779	0.01																			
BR8	BL28777																				
BR9	BL28819		4	12	269	340	6	22			10	5.47	7	16	7	<100	0.8	200	360	31	0.7
BR9	BL28818		10	13	263	320	5	36			3	4.39	5.9	15	9	<100	0.82	30	70	29	0.7
BR10	BL28820			<10		540	<1				<2		0.7		<2	<100			<5		<0.5
BR11	BL28821		20	32	143	170	5	28			2	4.42	5.6	20	6	<100	0.96	20	62	33	0.5
CR1	BL28807		6	<10	813	970	<1	31			<2	1.65	1.8	<10	5	<100	0.27	19	11	12	<0.5
CR1	BL28808		3		270			9				1.72		<10			0.24	6		11	
CR1	BL28809		8	18	175	250	3	23			<2	2.83	4.3	17	11	<100	0.67	16	41	22	0.5
CR2	BL28803		12	18	142	210	3	32			3	2.93	4.3	17	8	<100	0.55	16	41	24	<0.5
CR2	BL28804		11	12	121	170	3	33			<2	2.74	4.1	15	6	<100	0.8	11	35	25	<0.5
CR3	BL28805		11	17	127	190	3	28			2	2.64	4.1	20	9	<100	0.79	16	42	23	<0.5
CR3	BL28806		13	17	256	300	3	49			<2	3.45	4.2	16	8	<100	0.55	16	41	30	0.6
CR4	BL28768		14	26	257	480	3	41			2	3.28	6.3	20	12	<100	0.45	25	55	26	0.8
CR4	BL28769			<10		420	<1				<2		1		<2	<100			7		<0.5
CR4	BL28770		12	19	229	350	4	38			<2	3.15	5.4	14	8	<100	0.5	17	45	24	0.6
CR5	BL28771		11	18	154	180	3	38			<2	3.01	4.7	19	8	<100	0.77	15	42	25	<0.5
CR6	BL28810																				
CR6	BL28811			<10		630	<1				<2		1.5		<2	<100			8		<0.5
CR7	BL28813		13	16	173	230	3	31			<2	2.59	3.6	<10	9	<100	0.84	27	44	25	<0.5
CR7	BL28812		9	15	219	260	2	24			<2	3.21	3.7	19	12	<100	0.96	23	44	27	<0.5
CR8	BL28780		6	12	161	200	2	29			2	2.81	4.1	16	11	<100	0.58	16	44	24	<0.5
CR9	BL28774		13	19	219	250	8	49			3	3.1	4.4	20	11	<100	0.6	20	49	22	0.5
CR9	BL28773		10	10	184	230	4	22			<2	2.84	3.9	15	10	<100	0.68	17	42	29	<0.5
CR9	BL28772		11	18	71	100	4	26			3	2.3	3.7	17	7	<100	0.6	15	43	19	<0.5

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Nl ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
BD1	BL06703	0.18	321		54				0.55		6		18		133						
BD1	BL07956	0.1	55		37				0.04		7		10		2267						
BD2	BL07955	0.08	25		15				0.05		<5		16		70						
BD3	BL07948	0.04	36		4				0.05		<5		8		>10000		2.84				
BD3	BL07949	0.07	89		5				0.05		<5		5		4782						
BD4	BL07957	0.13	68		2				0.05		<5		7		160						
BD5	BL07950	0.55	502		13	<2			1.72	1.8	17	32	23		31					83	
BD5	BL07951	0.31	484		2	10			1.35	1.6	<5	36	20		51					120	
BD6	BL07954	0.34	37		<1				1.44		12		7		43						
BD6	BL07958													13							154
BD7	BL07953	0.41	61		3	<2			1.13	1	17	<20	4		50					240	
BD8	BL07952	0.11	76		10				0.05		<5		12		1058						
BD8	BL06702																0.07				
BD8	BL06701	0.13	237		214				0.06		<5		12		2933						
BD9	BL07959	0.05	28		12				0.07		<5		6		473		0.04				
BR1	BL28824	0.29	991		<1	<2			0.5	0.4	16	56	43		31					180	
BR1	BL28825	0.7	682		<1	<2			0.92	1.2	12	<20	48		41					96	
BR2	BL28788					<2				0.15		32								120	
BR2	BL28789					<2				2.2		140								<10	
BR3	BL28775	0.04	1781		16				0.52		22		80		132		0.01				
BR3	BL28815	<0.01	8		10				0.05		<5		9		>10000		80.69				
BR4	BL28786					<2				<0.05		20								<10	
BR4	BL28787					<2				0.06		<20								28	
BR5	BL28785	0.57	287		2	<2			1.03	1.3	12	<20	29		5					84	
BR6	BL28784					<2				0.09		<20								<10	
BR7	BL28816	0.91	3548		4	<2			1.28	1.2	170	<20	52		22					84	
BR7	BL28776	3.59	1400		8				1.62		37		46		64						
BR8	BL28817	0.66	680		2	<2			1.72	1.7	76	<20	33		<2					120	
BR8	BL28778					<2				2		<20								340	
BR8	BL28779													155			<0.01				245
BR8	BL28777																				
BR9	BL28819	0.56	1056		<1	<2			0.64	0.62	33	<20	36		20					120	
BR9	BL28818	0.69	519		<1	<2			1.05	1.2	25	69	42		23					110	
BR10	BL28820					<2				<0.05		<20								<10	
BR11	BL28821	0.79	1108		<1	<2			0.78	0.74	19	51	45		10					190	
CR1	BL28807	0.15	260		13	4			0.08	0.05	<5	<20	31		24					18	
CR1	BL28808	0.04	82		10				0.06		<5		10		21						
CR1	BL28809	0.73	603		<1	<2			1.23	1.6	11	55	31		4					63	
CR2	BL28803	0.76	412		<1	<2			1.51	1.7	12	43	34		<2					62	
CR2	BL28804	0.7	337		3	<2			1.33	1.6	10	33	42		2					69	
CR3	BL28805	0.79	429		2	<2			1.39	1.7	12	<20	30		<2					77	
CR3	BL28806	0.93	521		6	<2			1.68	1.8	14	<20	44		4					93	
CR4	BL28768	0.86	607		9	2			1.45	2.2	16	52	53		13					68	
CR4	BL28769					<2				<0.05		<20								18	
CR4	BL28770	0.8	493		3	<2			1.32	1.8	13	27	42		10					88	
CR5	BL28771	0.8	557		2	<2			1.32	1.7	12	50	45		2					69	
CR6	BL28810																				
CR6	BL28811					<2				<0.05		<20								22	
CR7	BL28813	0.83	428		8	<2			1.46	1.8	12	53	46		19					70	
CR7	BL28812	0.83	421		<1	<2			1.64	1.6	14	<20	37		<2					56	
CR8	BL28780	0.68	352		<1	<2			1.41	1.6	12	<20	35		5					76	
CR9	BL28774	0.52	372		<1	<2			1.21	1.3	16	48	30		5					99	
CR9	BL28773	0.58	278		<1	<2			1.26	1.4	15	<20	27		5					84	
CR9	BL28772	0.53	289		4	<2			1.21	1.6	12	<20	26		3					83	

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
BD1	BL06703	120						<20			68	<100				<25			0.07		27
BD1	BL07956	1103						<20			5	<100				<25			0.02		11
BD2	BL07955	60						<20			6	<100				<25			0.01		12
BD3	BL07948	>2000						30			10	<100				<25			<0.01		<2
BD3	BL07949	76						<20			5	<100				<25			0.02		7
BD4	BL07957	97						<20			11	<100				<25			0.03		4
BD5	BL07950	11	9.2		10	<10	8.7	27	<200		172	<100	1	<1		<25	<20	23	0.3	2.8	58
BD5	BL07951	16	75		8.7	<10	6.5	<20	<200		147	<100	1	1		<25	<20	17	0.2	3.4	43
BD6	BL07954	51						<20			16	<100				<25			0.15		28
BD6	BL07958									261											
BD7	BL07953	41	21.9		10	<10	5.9	<20	<200		56	<100	<1	<1		<25	<20	12	0.17	1.2	29
BD8	BL07952	256						<20			9	<100				<25			0.03		5
BD8	BL06702																				
BD8	BL06701	390						<20			13	<100			0.4	<25			0.05		17
BD9	BL07959	212						<20			4	<100				<25			<0.01		3
BR1	BL28824	<5	2.8		17	<10	39.9	<20	<200		45	<100	1	2		<25	<20	30	0.56	5.1	139
BR1	BL28825	<5	1.6		17	<10	7.7	22	<200		119	<100	2	1		<25	<20	12	0.42	3.6	111
BR2	BL28788		0.8		10	<10	4.4		<200				<1	<1			<20	10		2.2	
BR2	BL28789		2.4		37	<10	1.6		<200				<1	<1			<20	1.1		<0.5	
BR3	BL28775	<5						<20			9	<100				<25			<0.01		<2
BR3	BL28815	7						<20			7	<100				<25			<0.01		<2
BR4	BL28786		0.7		2.1	<10	2.2		<200				<1	<1			<20	2.2		1.4	
BR4	BL28787		0.4		2	<10	3.3		<200				<1	<1			<20	3.6		1.4	
BR5	BL28785	15	1.3		16	<10	7.6	<20	<200		121	<100	1	1		<25	<20	11	0.41	4.2	108
BR6	BL28784		0.5		<0.5	<10	<0.2		<200				<1	<1			<20	<0.5		1.1	
BR7	BL28816	<5	4		16	<10	22.3	36	<200		347	<100	34	2		<25	<20	29	2.26	4.2	547
BR7	BL28776	<5						34			927	<100				<25			1.29		276
BR8	BL28817	56	1.3		14	<10	12	<20	<200		252	<100	4	2		<25	<20	12	0.68	3.3	151
BR8	BL28778		1		2.1	<10	6.1		<200				13	<1			<20	3.8		1	
BR8	BL28779									1549											
BR8	BL28777																				
BR9	BL28819	<5	1.9		17	<10	64.8	26	<200		45	<100	7	3		<25	<20	38	1.91	2.9	105
BR9	BL28818	<5	1.3		17	<10	11	28	<200		102	<100	3	1		<25	<20	16	1.05	3.3	130
BR10	BL28820		0.5		<0.5	<10	0.7		<200				<1	<1			<20	0.9		<0.5	
BR11	BL28821	<5	1.8		17	<10	10	<20	<200		35	<100	2	1		<25	<20	15	0.55	2.8	133
CR1	BL28807	14	5.9		2.6	<10	1.7	<20	<200		38	<100	<1	<1		<25	<20	2.4	0.13	1.2	55
CR1	BL28808	6						<20			14	<100				<25			0.05		98
CR1	BL28809	12	1.4		15	<10	6.7	<20	<200		160	<100	2	1		<25	<20	10	0.4	3.4	111
CR2	BL28803	<5	1.7		16	<10	6.8	<20	<200		188	<100	<1	1		<25	<20	11	0.42	3.4	116
CR2	BL28804	12	1.7		16	<10	6	<20	<200		159	<100	1	<1		<25	<20	10	0.37	2.8	112
CR3	BL28805	20	1.5		16	<10	7.1	<20	<200		166	<100	2	1		<25	<20	11	0.42	4	115
CR3	BL28806	<5	1.7		16	<10	6.8	<20	<200		216	<100	1	1		<25	<20	11	0.49	3.2	142
CR4	BL28768	16	1.9		23	<10	6.6	<20	<200		201	<100	1	<1		<25	<20	12	0.45	3.6	137
CR4	BL28769		3.7		2.2	<10	1.6		<200				<1	<1			<20	1.3		1.2	
CR4	BL28770	8	2.4		18	<10	6.5	<20	<200		174	<100	1	<1		<25	<20	11	0.42	3.1	130
CR5	BL28771	17	2.1		17	<10	6.6	<20	<200		163	<100	1	1		<25	<20	10	0.4	3.2	128
CR6	BL28810																				
CR6	BL28811		0.7		2.9	<10	0.8		<200				<1	<1			<20	2.3		0.7	
CR7	BL28813	<5	1.4		16	<10	7	<20	<200		204	<100	1	1		<25	<20	11	0.46	3.6	126
CR7	BL28812	<5	1.2		15	<10	6.9	<20	<200		200	<100	1	1		<25	<20	10	0.52	3.7	127
CR8	BL28780	<5	1.6		15	<10	7.1	<20	<200		158	<100	2	1		<25	<20	12	0.44	3.6	113
CR9	BL28774	19	1.8		14	<10	7.9	<20	<200		135	<100	1	1		<25	<20	13	0.48	3.3	108
CR9	BL28773	20	1.2		14	<10	6.5	<20	<200		144	<100	2	2		<25	<20	12	0.49	2.8	112
CR9	BL28772	5	1.3		15	<10	6.9	<20	<200		132	<100	1	1		<25	<20	11	0.42	3.2	98

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
BD1	BL06703		<20			6			723				9								
BD1	BL07956		<20			<5			535				8								
BD2	BL07955		<20			<5			19				<5								
BD3	BL07948		<20			<5			745				<5								
BD3	BL07949		<20			<5			2781				<5								
BD4	BL07957		<20			<5			51				6								
BD5	BL07950		<20	66		15		<5	62	<200			12	640							
BD5	BL07951		24	276		10		6	119	<200			8	<500							
BD6	BL07954		<20			<5			20				7								
BD6	BL07958						28								149						
BD7	BL07953		<20	3		6		<5	33	<200			11	<500							
BD8	BL07952		<20			<5			32				8								
BD8	BL06702										0.02										
BD8	BL06701		<20			<5			661				10								
BD9	BL07959		<20			<5			254		0.03		<5								
BR1	BL28824		<20	<2		14		5	88	<200			132	<500							
BR1	BL28825		<20	2		11		<5	189	280			75	<500							
BR2	BL28788			<2				<5		<200				<500							
BR2	BL28789			<2				<5		300				<500							
BR3	BL28775		<20			<5			317		0.02		14								
BR3	BL28815		<20			<5			185		<0.01		<5								
BR4	BL28786			<2				<5		<200				<500							
BR4	BL28787			<2				<5		<200				<500							
BR5	BL28785		<20	<2		13		<5	86	<200			76	660							
BR6	BL28784			<2				<5		<200				<500							
BR7	BL28816		<20	<2		26		<5	154	<200			67	<500							
BR7	BL28776		<20			21			78				89								
BR8	BL28817		<20	<2		22		<5	83	<200			69	<500							
BR8	BL28778			<2				<5		<200				<500							
BR8	BL28779						4				<0.01				152						
BR8	BL28777																				
BR9	BL28819		<20	3		17		<5	98	<200			<5	<500							
BR9	BL28818		<20	4		11		5	98	<200			61	<500							
BR10	BL28820			<2				<5		<200				<500							
BR11	BL28821		<20	<2		10		5	191	260			94	<500							
CR1	BL28807		<20	<2		6		<5	34	<200			45	<500							
CR1	BL28808		<20			<5			7				21								
CR1	BL28809		<20	<2		11		<5	79	<200			62	<500							
CR2	BL28803		<20	<2		12		<5	72	<200			62	630							
CR2	BL28804		<20	<2		10		<5	69	<200			53	<500							
CR3	BL28805		<20	<2		10		<5	71	<200			61	<500							
CR3	BL28806		<20	<2		14		<5	82	<200			72	<500							
CR4	BL28768		<20	3		15		<5	85	<200			69	<500							
CR4	BL28769			<2				<5		<200				<500							
CR4	BL28770		<20	<2		13		<5	90	<200			65	<500							
CR5	BL28771		<20	3		11		<5	84	<200			60	<500							
CR6	BL28810																				
CR6	BL28811			<2				<5		<200				<500							
CR7	BL28813		<20	<2		14		<5	84	<200			70	<500							
CR7	BL28812		<20	<2		14		<5	87	<200			83	<500							
CR8	BL28780		<20	<2		13		<5	59	<200			68	540							
CR9	BL28774		<20	<2		17		<5	57	<200			91	<500							
CR9	BL28773		<20	<2		12		<5	61	<200			78	<500							
CR9	BL28772		<20	2		11		<5	45	<200			66	<500							

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
BD1	BL06703														
BD1	BL07956														
BD2	BL07955														
BD3	BL07948														
BD3	BL07949														
BD4	BL07957														
BD5	BL07950														
BD5	BL07951														
BD6	BL07954														
BD6	BL07958	69.95	0.41	14.66	0.76	2.47	3.5	0.08	1.01	2.69	3.08	3.63	0.12	0.49	99.63
BD7	BL07953														
BD8	BL07952														
BD8	BL06702														
BD8	BL06701														
BD9	BL07959														
BR1	BL28824														
BR1	BL28825														
BR2	BL28788														
BR2	BL28789														
BR3	BL28775														
BR3	BL28815														
BR4	BL28786														
BR4	BL28787														
BR5	BL28785														
BR6	BL28784														
BR7	BL28816														
BR7	BL28776														
BR8	BL28817														
BR8	BL28778														
BR8	BL28779	53.94	0.62	21.76	2.39	0.72	3.19	0.09	0.56	1.72	5.5	8.86	0.12	2.47	98.83
BR8	BL28777														
BR9	BL28819														
BR9	BL28818														
BR10	BL28820														
BR11	BL28821														
CR1	BL28807														
CR1	BL28808														
CR1	BL28809														
CR2	BL28803														
CR2	BL28804														
CR3	BL28805														
CR3	BL28806														
CR4	BL28768														
CR4	BL28769														
CR4	BL28770														
CR5	BL28771														
CR6	BL28810														
CR6	BL28811														
CR7	BL28813														
CR7	BL28812														
CR8	BL28780														
CR9	BL28774														
CR9	BL28773														
CR9	BL28772														

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
CR9	BL28814		65	51.152	142	44.712	R
CR10	BL28783		65	51.730	142	56.246	R
CR11	BL28781		65	06.400	143	53.410	R
CR11	BL28782		65	06.400	143	53.420	R
CR12	BL28822		65	38.245	142	39.675	PC
CR12	BL28823		65	38.245	142	39.675	SS
E1	BL28878	Derwent Cr. Zn trend	64	59.228	142	11.388	SO
E1	BL28879	Derwent Cr. Zn trend	64	59.228	142	11.338	SO
E1	BL28880	Derwent Cr. Zn trend	64	59.047	142	11.595	SO
E1	BL28871	Derwent Cr. Zn Trend	64	58.990	142	11.329	R
E1	BL28872	Derwent Cr. Zn Trend	64	58.990	142	11.329	R
E1	BL28873	Derwent Cr. Zn Trend	64	58.990	142	11.329	R
E1	BL28874	Derwent Cr. Zn Trend	64	58.990	142	11.329	R
E1	BL28877	Derwent Cr. Zn Trend	64	58.990	142	11.329	R
E1	BL28875	Derwent Cr. Zn trend	64	58.990	142	11.329	SO
E1	BL28876	Derwent Cr. Zn trend	64	58.990	142	11.329	SO
E2	BL27962		64	53.970	142	07.343	PC
E2	BL27964	Deer Creek	64	53.970	142	07.343	R
E2	BL27963		64	53.970	142	07.343	SS
E2	BL27965		64	53.910	142	07.492	PC
E2	BL27966		64	53.910	142	07.492	SS
E3	BL27971		64	53.464	142	05.178	R
E3	BL27961	Deer Creek	64	53.355	142	05.208	R
E4	BL27970	Deer Creek	64	52.014	142	09.674	R
E5	BL27958	Deer Creek	64	51.943	142	08.594	R
E5	BL27959	Deer Creek	64	51.943	142	08.594	R
E5	BL27960	Deer Creek	64	51.943	142	08.594	R
E6	BL27969	Deer Creek	64	51.370	142	07.550	R
E6	BL27955	Deer Creek	64	51.336	142	07.558	R
E6	BL27956	Deer Creek	64	51.336	142	07.558	R
E6	BL27957	Deer Creek	64	51.336	142	07.558	R
E6	BL27968	Deer Creek	64	51.330	142	07.400	R
E6	BL27954	Deer Creek	64	51.260	142	07.300	R
E6	BL27967	Deer Creek	64	51.260	142	07.300	R
E6	BL28422	Deer Creek	64	51.236	142	07.194	R
E7	BL28421	Deer Creek	64	51.424	142	06.570	R
E8	BL27972		64	51.060	142	05.250	R
E9	BL28891	Deer Creek	64	51.227	142	04.637	R
E10	BL28420	Deer Creek	64	52.263	142	04.367	R
E11	BL28870		64	53.249	141	42.852	R
E11	BL28826		64	53.249	141	42.852	SO
E11	BL28869		64	53.118	141	43.103	R
E12	BL28868		64	53.113	141	43.891	R
E13	BL28894		64	50.538	141	52.015	PC
E13	BL28892		64	50.538	141	52.015	R
E13	BL28893		64	50.538	141	52.015	SS
E14	BL07986		64	47.506	141	41.202	R
E14	BL07985		64	47.479	141	41.126	R
E14	BL28865		64	47.410	141	41.118	R
E15	BL28997		64	47.176	141	40.905	PC
E16	BL28998		64	47.159	141	41.990	PC
E17	BL28971	Granite Cr.	64	50.085	142	37.425	R
E17	BL28972	Granite Cr.	64	50.085	142	37.425	R
E17	BL28973	Granite Cr.	64	50.085	142	37.425	R

Map number	Sample number	Description
CR9	BL28814	Green argillite from area with anomalous aerial radioactive high. Ground reading from bare rock-soil is 122 CPS.
CR10	BL28783	Light gray, highly silicic, quartzite. Irregular foliated fabric is apparent. (aquagene tuff?)
CR11	BL28781	Gray, foliated metavolcanic tuff intercalated with argillites & shaley siltstones. ?Brabb & Churkin pCu or pCv?
CR11	BL28782	Limonite-stained volcanic tuff(?).
CR12	BL28822	Panned concentrate from stream with strong Fe-oxide stain in upper creek. Stream cobbles are chert pebble conglomerate, graywacke and arenite.
CR12	BL28823	Stream sediment.
E1	BL28878	Soil sample.
E1	BL28879	Soil sample from soil above bedrock of white mica schist.
E1	BL28880	Soil sample.
E1	BL28871	0.3m channel sample of milky-white quartz segregations in black graphitic schist.
E1	BL28872	1m continuous chip sample of black, graphitic argillite/phyllite with distinct yellow crust.
E1	BL28873	0.6m continuous chip sample across black graphitic argillite.
E1	BL28874	Random chip from 0.6m section of graphitic argillite.
E1	BL28877	Select chip sample of Fe-stained muscovite schist.
E1	BL28875	Soil sample from steep slope of rocky soil composed of graphitic argillite.
E1	BL28876	Soil sample.
E2	BL27962	Panned concentrate.
E2	BL27964	Sample consists of black and white clay-rich gouge and gossany selvage from shear zone.
E2	BL27963	Stream sediment sample. Stream gravel has moderate to heavy coating of limonite.
E2	BL27965	Panned concentrate.
E2	BL27966	Stream sediment.
E3	BL27971	Random grab of felsic intrusive from rubble crop.
E3	BL27961	Limonite-coated cyrstal-lithic breccia associated with slickensides in rubble crop.
E4	BL27970	Select of galena float. Galena is associated with stockwork quartz veins.
E5	BL27958	Galena-quartz vein in quartzite.
E5	BL27959	Barren metamorphic quartz veins with light to moderate limonite coating.
E5	BL27960	Possible hydrothermal stockwork of milky-white quartz veins which cross-cut and offset metamorphic quartz veins.
E6	BL27969	Select of sulfide-bearing rocks from Deer Creek Copper-trench.
E6	BL27955	Limonite-coated metamorphic quartz segregations.
E6	BL27956	Massive green and brown garnet with green amphibole skarn.
E6	BL27957	Random grab of skarn calc-silicates from Deer Creek Copper trench.
E6	BL27968	Select of mineralized marble rubble crop.
E6	BL27954	Massive magnetite, chalcopyrite, pyrrhotite skarn
E6	BL27967	Select of mineralized marble rubble crop.
E6	BL28422	Massive pyrrhotite-chalcopyrite-(bornite?) in pyroxene-amphibole tactite.
E7	BL28421	Granodiorite
E8	BL27972	Fault breccia
E9	BL28891	Sucrosic-textured leucocratic muscovite-biotite granite.
E10	BL28420	Black phyllite with disseminated sulfides ?pyrrhotite?
E11	BL28870	Ochre-stained black to white chert and cherty argillite.
E11	BL28826	Red to orange limonite stained gravel with white precipitate.
E11	BL28869	Chert and cherty argillite which has been highly fractured, bleached and cut by black, hairline veins.
E12	BL28868	Quartz-chlorite vein in argillically-altered felsic intrusive.
E13	BL28894	Panned concentrate. Concentrates contain moderate amounts of pyrite and black sands.
E13	BL28892	Black pyritic argillite.
E13	BL28893	Stream sediment sample of moderate to strongly Fe-stained sediments.
E14	BL07986	Fe-oxide rich, crushed metamorphic quartz in biotite schist.
E14	BL07985	Metamorphic quartz segregation; moderately Fe-stained.
E14	BL28865	Random grab along 0.4km traverse. Sample is Fe-stained metamorphic quartz and brecciated biotite schist.
E15	BL28997	Panned concentrate. Concentrates contain minor black sands.
E16	BL28998	Panned concentrate.
E17	BL28971	Select of quartz, feldspar pegmatite vein in quartz monzonite. Chalcopyrite occurs in vein and in selvage up to 3cm from vein.
E17	BL28972	Hornblende-biotite adamellite; Plagioclase shows slight alteration to epidote-sericite.
E17	BL28973	Thin (<2mm) quartz-pyrite-chalcopyrite-galena-sphalerite veins in hornblende-biotite quartz monzonite.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
CR9	BL28814		<5					24	<5				440				<1			<10	140
CR10	BL28783																				
CR11	BL28781																				
CR11	BL28782		<5					61	6				640				2			<10	13
CR12	BL28822	<0.5	<5			2.15	12	25	<5			1508	1700		13		<1	0.1	<2	<10	55
CR12	BL28823	<0.5	<5			3.08	58	31	9			919	1100		22		2	1.08	<2	<10	82
E1	BL28878	0.6			1	3.57	43					>2000			<5			3.06	<2		
E1	BL28879	<0.5			0.2	2.83	67					>2000			14			7.12	<2		
E1	BL28880	<0.5			0.3	3.33	62					>2000			17			9.33	<2		
E1	BL28871		<5					357	<5				3300				7			33	37
E1	BL28872				2.2																
E1	BL28873				1.1																
E1	BL28874				2.4																
E1	BL28877				<0.1																
E1	BL28875	2.8			4.1	3.48	258					>2000			20			3.69	28.4		
E1	BL28876	1.6			2.7	4.07	366					>2000			16			2.51	14.5		
E2	BL27962	<0.5	<5			2.69	162	239	33			1670	2500		22		2	0.46	<2	<10	58
E2	BL27964	<0.5	<5			2.1	79	31	<5			1187	1900		<5			0.07	<2	<10	31
E2	BL27963	<0.2				0.3	77					55			12			4	<1		
E2	BL27965	0.6	7			3.63	93	118	12			1475	1800		38		2	1.3	<2	<10	53
E2	BL27966	<0.2				0.1	23					90			<5			4	<1		
E3	BL27971																			<10	10
E3	BL27961		<5					3	<5				260							16	<10
E4	BL27970		97	1.15				35	52				170							<10	22
E5	BL27958		69	1.44				17	15				2100							<10	13
E5	BL27959		<5					3	<5				190							<10	92
E5	BL27960		<5					2	<5				130							30	14
E6	BL27969		240					124	460				160			1849				<10	13
E6	BL27955		<5					3	6				<100								
E6	BL27956																				
E6	BL27957																			<10	51
E6	BL27968		<5					6	8				150							<10	24
E6	BL27954	3.8	6			2.8	43	18	330			365	<100		98	67		>10	<2	<10	22
E6	BL27967		<5					11	360				120			26				<10	34
E6	BL28422	1.7	<5			1.79	40	4	27			176	770		23		<1	9.73	<2	<10	
E7	BL28421													1646							
E8	BL27972		<5					7	<5				470				<1			<10	40
E9	BL28891		<5					65	<5				490	477			<1			<10	90
E10	BL28420				0.6																
E11	BL28870		<5					23	<5				2000				1			<10	64
E11	BL28826		<5					<1	<5				<100				<1			<10	<10
E11	BL28869		<5					20	<5				4900				3			<10	43
E12	BL28868		<5					19	<5				2400				<1			<10	87
E13	BL28894	<0.5	<5			6.73	36	12	<5			1223	1400		23		1	2.9	<2	<10	160
E13	BL28892		<5					53	6				5900				<1			<10	18
E13	BL28893	<0.2				0.1	9					266			<5			13	<1		
E14	BL07986			<0.02																	
E14	BL07985																				
E14	BL28865		<5					15	5				1000				1			<10	15
E15	BL28997	<0.5	<5			4.2	125	159	29			1023	1200		25		3	0.78	<2	<10	31
E16	BL28998	<0.5	<5			5.37	53	54	<5			1079	1100		18		1	1.84	<2	<10	55
E17	BL28971		97	2.51	>50			887	16				1000				8			47	28
E17	BL28972													1126							
E17	BL28973		<5		1.5			34	<5				1100				<1			<10	68

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
CR9	BL28814			<10		170	4				<2		5.3		10	<100			67		0.8
CR10	BL28783																				
CR11	BL28781																				
CR11	BL28782			13		160	2				<2		>10		<2	<100			11		<0.5
CR12	BL28822		12	15	550	660	3	29			<2	3.16	3.7	<10	3	<100	0.56	20	27	21	<0.5
CR12	BL28823		25	33	205	270	6	41			<2	4.55	6.1	16	8	<100	0.9	18	42	29	<0.5
E1	BL28878		21		95			75				3.19		23			1.05	31		54	
E1	BL28879		17		100			41				3.61		26			0.96	35		54	
E1	BL28880		20		92			43				3.34		23			1.1	31		64	
E1	BL28871			12		350	2				2		7.4		3	<100			27		<0.5
E1	BL28872																				
E1	BL28873																				
E1	BL28874																				
E1	BL28877											1.59		11			1.83	44		26	
E1	BL28875		5		204			185				3.31		19			1.08	47		36	
E1	BL28876		9		248			261			<2	3.63	4.4	13	<2	<100	0.57	26	37	17	<0.5
E2	BL27962		26	50	124	150	5	67			<2	3.06	3.3	13	<2	<100	0.71	10	14	3	<0.5
E2	BL27964		5	<10	401	430	4	50				9.55		1.38				0.43		5	
E2	BL27963		15		50			102			<2	5.92	6.2	13	<2	<100	0.62	24	30	16	<0.5
E2	BL27965		3	16	155	180	5	84				9.4		1.11				0.34		6	
E2	BL27966		15		33			64													
E3	BL27971										<2		4.9		<2	<100			5		<0.5
E3	BL27961			<10		380	<1				<2		<0.5		<2	<100			8		<0.5
E4	BL27970			<10		78	<1				<2		0.5		<2	<100			10		<0.5
E5	BL27958			21		300	<1				<2		0.9		<2	<100			8		<0.5
E5	BL27959			<10		510	<1				<2		2.2		12	<100			39		0.6
E5	BL27960			<10		270	<1				<2		7.8		<2	<100			13		<0.5
E6	BL27969			240		<50	<1		9.81		<2		1.9		<2	<100			9		<0.5
E6	BL27955			<10		400	<1														
E6	BL27956																				
E6	BL27957																				
E6	BL27968			640		<50	1		0.2		<2		>10		<2	<100			30		<0.5
E6	BL27954		117	180	52	<50	1	5729			<2	>10	>10	23	<2	<100	0.29	8	20	7	<0.5
E6	BL27967			41		240	2		0.03		<2		8.7		<2	<100			11		0.6
E6	BL28422		51	61	148	140	<1	4248	0.44		<2	>10	>10	19	<2	<100	0.67	9	21	5	<0.5
E7	BL28421																				
E8	BL27972			11		260	3				<2		2.3		<2	<100			19		<0.5
E9	BL28891			<10		290	3				<2		0.8		4	<100			51		<0.5
E10	BL28420																				
E11	BL28870			<10		160	2				<2		0.6		4	<100			32		<0.5
E11	BL28826			<10		<50	<1				<2		<0.5		<2	<100			<5		<0.5
E11	BL28869			<10		330	1				<2		0.6		6	<100			28		<0.5
E12	BL28868			<10		160	3				<2		1.9		4	<100			41		<0.5
E13	BL28894		14	22	84	150	4	14			<2	4.86	5.6	16	7	<100	0.56	41	85	23	0.8
E13	BL28892			<10		310	3				<2		1.7		<2	<100			10		<0.5
E13	BL28893		30		25			30				4.81		1.79				0.55		27	
E14	BL07986																				
E14	BL07985																				
E14	BL28865			<10		300	3				<2		1.8		<2	<100			11		<0.5
E15	BL28997		7	<10	717	760	3	30			<2	2.96	3.4	<10	4	<100	0.42	16	21	17	<0.5
E16	BL28998		<1	<10	296	320	3	12			<2	2.97	3.5	12	9	<100	0.5	22	38	17	<0.5
E17	BL28971			<10		240	14		2.13	>20000	<2		7		3	<100			21		<0.5
E17	BL28972																				
E17	BL28973			<10		170	11			489	<2		2.8		4	<100			33		<0.5

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Nl ppm INAA	Nl ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
CR9	BL28814					<2				0.37		41								170	
CR10	BL28783																				
CR11	BL28781																			<10	
CR11	BL28782					8				<0.05		42									
CR12	BL28822	0.25	474		3	4			0.13	0.08	6	40	37		17					51	
CR12	BL28823	0.72	991		3	<2			0.92	1.1	13	45	59		23					81	
E1	BL28878	1.5	407		4			11	0.52		10		63		31						
E1	BL28879	1.51	249		1			8	0.67		12		43		23						
E1	BL28880	1.98	520		4			8	0.34		11		44		16						
E1	BL28871					56				0.07		280								60	
E1	BL28872							24													
E1	BL28873							42													
E1	BL28874							44													
E1	BL28877							6													
E1	BL28875	1.69	174		56			54	0.23		<5		234		38						
E1	BL28876	1.47	234		66			64	0.28		10		319		37						
E2	BL27962	0.65	2085		4	<2			0.28	0.26	9	57	65		18					93	
E2	BL27964	0.55	101		6	7			0.13		<5	<20	10		55						
E2	BL27963	40	713		1								38		73						
E2	BL27965	0.96	1538		7	<2			0.33	0.23	11	<20	37		46					79	
E2	BL27966	29	745		1								27		29						
E3	BL27971																				
E3	BL27961					<2						<20					58.46				
E4	BL27970					<2						28					17.07				
E5	BL27958					<2						<20									
E5	BL27959					3						<20									
E5	BL27960					<2						<20									
E6	BL27969					10						180					0.02				
E6	BL27955					<2						<20									
E6	BL27956																				
E6	BL27957																				
E6	BL27968					<2						280					<0.01				
E6	BL27954	0.81	4506		12	17			0.43		22	83	46		597						
E6	BL27967					<2						<20					<0.01				
E6	BL28422	0.51	4283		4	<2			0.21	0.13	20	47	37		51					45	
E7	BL28421													14							117
E8	BL27972					<2				0.34		<20								73	
E9	BL28891					<2				2.1		<20		12						160	194
E10	BL28420							13													
E11	BL28870					<2				0.17		<20								170	
E11	BL28826					<2				<0.05		<20								<10	
E11	BL28869					3				<0.05		<20								14	
E12	BL28868					<2				1.1		<20								120	
E13	BL28894	0.95	2146		2	<2			1.94	1.9	24	<20	21		34					96	
E13	BL28892					4				<0.05		<20								57	
E13	BL28893	53	3090		3								45		73						
E14	BL07986																0.01				
E14	BL07985																				
E14	BL28865					<2				<0.05		<20								35	
E15	BL28997	0.71	1809		<1	<2			0.92	0.85	7	36	43		32					82	
E16	BL28998	0.71	823		<1	<2			1.72	1.6	9	31	12		34					100	
E17	BL28971					5				1.1		33				1052				410	
E17	BL28972													9							205
E17	BL28973					<2				2.1		30				44				190	

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
CR9	BL28814		0.8		21	<10	10		<200				2	1			<20	22		4.9	
CR10	BL28783																				
CR11	BL28781																				
CR11	BL28782		7.7		3.6	<10	2.4		<200				<1	<1			<20	2.2		3.6	
CR11	BL28822	<5	2.4		5.5	<10	3.7	<20	<200		30	<100	<1	<1		<25	<20	5.5	0.22	1.7	83
CR12	BL28823	<5	1.9		15	<10	6.6	<20	<200		132	<100	2	1		<25	<20	11	0.41	3.4	138
E1	BL28878	8						<20			168	<100				<25			0.3		236
E1	BL28879	<5						<20			265	<100				<25			0.3		159
E1	BL28880	19						<20			293	<100				<25			0.25		157
E1	BL28871		55.5		7.6	80	10		<200				<1	1			<20	20		38	
E1	BL28872																				
E1	BL28873																				
E1	BL28874																				
E1	BL28877																				
E1	BL28875	9						24			170	<100				<25			0.12		>2000
E1	BL28876	77						25			144	<100				<25			0.31		1576
E2	BL27962	25	5		9.1	<10	5.6	<20	<200		56	<100	1	<1		<25	<20	7.9	0.32	2.6	90
E2	BL27964	11	1.6		5.8	<10	2.4	<20	<200		13	<100		<1		<25	<20		0.14		85
E2	BL27963	<5						21				0.16				<10			0.02		42
E2	BL27965	26	7.3		9	<10	4.6	39	<200		77	<100	<1	<1		<25	<20	7.2	0.29	2.5	100
E2	BL27966	<5						<20				0.16				<10			0.01		36
E3	BL27971																				
E3	BL27961		1		3.2	<10	0.9		<200					<1			<20				
E4	BL27970		266		0.9	<10	0.3		<200					<1			<20				
E5	BL27958		70.4		2.6	<10	1.2		<200					<1			<20				
E5	BL27959		0.7		1.8	<10	1.3		<200					<1			<20				
E5	BL27960		1		7.5	<10	8.6		<200					1			<20				
E6	BL27969		21.3		2.3	91	3.6		<200					<1			<20				
E6	BL27955		0.9		1.7	<10	1.6		<200					<1			<20				
E6	BL27956																				
E6	BL27957																				
E6	BL27968		0.5		6.6	<10	4.6		<200					<1			<20				
E6	BL27954	25	3		5.1	<10	3.3	28	<200		378	<100		<1	3.9	<25	<20		0.09		32
E6	BL27967		0.9		11	<10	2.4		<200					<1			<20				
E6	BL28422	<5	0.8		6.5	22	4.4	24	<200		217	<100	<1	<1		<25	<20	7	0.16	2.2	40
E7	BL28421									336											
E8	BL27972		0.4		5.7	<10	2.9		<200				<1	<1			<20	6.9		0.9	
E9	BL28891		1.1		2.5	<10	4.2		<200	91			2	<1			<20	37		3.6	
E10	BL28420																				
E11	BL28870		14		2.3	<10	5.4		<200				1	<1			<20	19		4.6	
E11	BL28826		<0.2		<0.5	<10	<0.2		<200				<1	<1			<20	<0.5		<0.5	
E11	BL28869		45.5		2.1	<10	2.8		<200				1	<1			<20	16		4.5	
E12	BL28868		7.1		7.7	<10	5.6		<200				1	<1			<20	19		5.5	
E13	BL28894	10	2		23	<10	9.5	28	<200		243	<100	2	1		<25	<20	25	0.63	3.1	109
E13	BL28892		3.6		4.7	<10	1.7		<200				<1	<1			<20	3		1	
E13	BL28893	<5						<20				0.72				<10			0.02		46
E14	BL07986																				
E14	BL07985																				
E14	BL28865		12		4.5	<10	2		<200				<1	<1			<20	2.8		1.7	
E15	BL28997	8	6.5		6.5	<10	2.7	20	<200		107	<100	<1	<1		<25	<20	5.4	0.2	2.2	58
E16	BL28998	17	1.3		14	<10	4.1	<20	<200		192	<100	1	<1		<25	<20	13	0.24	2.3	71
E17	BL28971		8.7		6.4	<10	3		2800				2	<1			<20	24		14	
E17	BL28972									325											
E17	BL28973		1.4		8.2	<10	4.2		<200				2	<1			<20	27		10	

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
CR9	BL28814			<2				6		<200				<500							
CR10	BL28783																				
CR11	BL28781																				
CR11	BL28782			<2				<5		290				<500							
CR12	BL28822		<20	<2		8		<5	99	<200			50	<500							
CR12	BL28823		<20	<2		14		<5	154	230			78	<500							
E1	BL28878	273	<20			7			232				70								
E1	BL28879	188	<20			<5			115				47								
E1	BL28880	185	<20			<5			122				47								
E1	BL28871			4				<5		1600				<500							
E1	BL28872	236																			
E1	BL28873	1113																			
E1	BL28874	1759																			
E1	BL28877	58							2541				77								
E1	BL28875	2300	<20			26			2782				101								
E1	BL28876	1718	<20			24			151	<200			30	<500							
E2	BL27962		<20	13		7		<5	23	<200			40								
E2	BL27964		<20	5		<5		<5	73												
E2	BL27963		<20						102	<200			45	<500							
E2	BL27965		<20	8		9		<5	65												
E2	BL27966		<20																		
E3	BL27971																				
E3	BL27961			<2				<5		<200											
E4	BL27970			<2				<5		1900											
E5	BL27958			<2				<5		670											
E5	BL27959			2				<5		<200											
E5	BL27960			<2				5		280											
E6	BL27969			16				<5		2600	0.23										
E6	BL27955			<2				<5		<200											
E6	BL27956																				
E6	BL27957																				
E6	BL27968			7				<5		<200	<0.01										
E6	BL27954		<20	41		10		<5	485	640			36								
E6	BL27967			<2				<5		260	<0.01										
E6	BL28422		<20	6		10		<5	122	<200			36	<500							
E7	BL28421						27								160						
E8	BL27972			<2				<5		<200				<500							
E9	BL28891			<2			22	<5		<200				<500	153						
E10	BL28420	194																			
E11	BL28870			<2				<5		<200				<500							
E11	BL28826			<2				<5		<200				<500							
E11	BL28869			10				<5		<200				<500							
E12	BL28868			<2				<5		<200				<500							
E13	BL28894		<20	7		28		<5	110	<200			24	<500							
E13	BL28892			<2				<5		<200				<500							
E13	BL28893		<20						238												
E14	BL07986										0.02										
E14	BL07985																				
E14	BL28865			<2				<5		<200				<500							
E15	BL28997		<20	<2		11		<5	96	<200			53	<500							
E16	BL28998		<20	8		15		<5	76	<200			44	650							
E17	BL28971			140				<5		620		623		<500							
E17	BL28972						23								119						
E17	BL28973			15				<5		<200		87		<500							

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
CR9	BL28814														
CR10	BL28783														
CR11	BL28781														
CR11	BL28782														
CR12	BL28822														
CR12	BL28823														
E1	BL28878														
E1	BL28879														
E1	BL28880														
E1	BL28871														
E1	BL28872														
E1	BL28873														
E1	BL28874														
E1	BL28877														
E1	BL28875														
E1	BL28876														
E2	BL27962														
E2	BL27964														
E2	BL27963														
E2	BL27965														
E2	BL27966														
E3	BL27971														
E3	BL27961														
E4	BL27970														
E5	BL27958														
E5	BL27959														
E5	BL27960														
E6	BL27969														
E6	BL27955														
E6	BL27956														
E6	BL27957														
E6	BL27968														
E6	BL27954														
E6	BL27967														
E6	BL28422														
E7	BL28421	64.16	0.7	15.94	0.77	4.48	5.75	0.12	1.78	4.29	3.09	2.87	0.21	0.83	99.75
E8	BL27972														
E9	BL28891	77.24	0.06	12.63	0.27	0.71	1.06	0.03	0.08	1.29	2.9	4.25	0.06	0.68	100.28
E10	BL28420														
E11	BL28870														
E11	BL28826														
E11	BL28869														
E12	BL28868														
E13	BL28894														
E13	BL28892														
E13	BL28893														
E14	BL07986														
E14	BL07985														
E14	BL28865														
E15	BL28997														
E16	BL28998														
E17	BL28971														
E17	BL28972	68.7	0.44	14.92	0.59	2.92	3.83	0.08	1.41	3.33	2.71	3.76	0.11	1.29	100.58
E17	BL28973														

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
E17	BL28974	Granite Cr.	64	50.085	142	37.425	R
E18	BL28419	Granite Creek	64	46.648	142	37.371	R
E18	BL28795		64	46.645	142	37.371	R
E19	BL28793		64	45.659	142	36.603	R
E19	BL28792		64	45.658	142	36.603	R
E20	BL28791		64	45.678	142	35.342	R
E21	BL28794		64	45.302	142	35.258	R
E22	BL28418		64	45.223	142	36.428	R
E23	BL28414	Granite Creek	64	44.981	142	38.212	R
E23	BL28415	Granite Creek	64	44.981	142	38.212	R
E23	BL28416	Granite Creek	64	44.981	142	38.212	R
E23	BL28417	Granite Creek	64	44.981	142	38.212	R
E23	BL28790		64	44.981	142	38.212	R
E24	BL28867		64	37.945	142	51.580	PC
E25	BL28802		64	37.992	142	53.508	PC
E26	BL28801		64	36.907	142	53.547	R
E27	BL28800		64	36.577	142	53.441	R
E28	BL28825		64	36.358	142	53.547	R
E28	BL28798		64	36.335	142	53.505	R
E28	BL28799		64	36.335	142	53.505	R
E28	BL28796		64	36.199	142	53.394	R
E28	BL28797		64	36.199	142	53.393	R
E29	BL26159	Gold Run Cr.	64	35.950	142	48.729	R
E29	BL28966	Gold Run Cr.	64	35.950	142	48.729	R
E29	BL28967	Gold Run Cr.	64	35.950	142	48.729	R
E30	BL28968	Gold Run Cr.	64	35.912	142	48.892	PC
E30	BL28969	Gold Run Cr.	64	35.912	142	48.892	PC
E30	BL28970	Gold Run Cr.	64	35.912	142	48.892	R
E30	BL28964		64	35.878	142	48.527	PC
E30	BL28965		64	35.878	142	48.527	SS
E31	BL28961		64	35.702	142	42.589	PC
E31	BL28963		64	35.702	142	42.589	PC
E31	BL28962		64	35.702	142	42.589	SS
E32	BL07993		64	31.591	142	44.152	R
E33	BL28858		64	31.083	142	43.911	PC
E33	BL28859	Portage Creek	64	31.083	142	43.911	R
E33	BL28994		64	31.012	142	43.962	PC
E34	BL28992		64	30.811	142	43.898	PC
E34	BL28993		64	30.811	142	43.898	SS
E35	BL28924	VABM Happy	64	32.679	142	18.360	R
E35	BL28926	VABM Happy	64	32.667	142	18.750	R
E35	BL28927	VABM Happy	64	32.667	142	18.750	R
E35	BL28925	VABM Happy	64	32.666	142	18.762	R
E36	BL28923	VABM Happy	64	32.544	142	17.980	R
E37	BL28922	VABM Happy	64	32.373	142	17.953	R
E37	BL28921	VABM Happy	64	32.347	142	17.998	R
E37	BL28920	VABM Happy	64	32.251	142	18.029	R
E38	BL28914	VABM Happy	64	32.145	142	18.631	R
E38	BL28915	VABM Happy	64	32.144	142	18.645	R
E38	BL28919	VABM Happy	64	32.137	142	18.296	R
E38	BL28916	VABM Happy	64	32.107	142	18.440	R
E38	BL28917	VABM Happy	64	32.107	142	18.440	R
E38	BL28918	VABM Happy	64	32.107	142	18.348	R
E39	BL28908		64	26.100	141	45.150	PC

Map number	Sample number	Description
E17	BL28974	2 cm-wide quartz-feldspar pegmatite vein with 10% chalcopyrite.
E18	BL28419	Hornblende-biotite granodiorite
E18	BL28795	Milky-white, coarse-grained quartz vein with as much as 4% fine to coarse arsenopyrite-pyrite.
E19	BL28793	Pyrite-white mica quartz vein in altered quartz monzonite with 2.5cm-wide veinlet of concentrated arsenopyrite, sphalerite, pyrite, chalcopyrite.
E19	BL28792	Sulfide(10%)-bearing quartz vein up to 12cm thick. Sulfides are arsenopyrite, sphalerite, pyrite, galena, and chalcopyrite.
E20	BL28791	0.3m- thick quartz vein with trace fine-grained arsenopyrite.
E21	BL28794	Select sample of 15cm-wide quartz-sulfide vein. Sulfides are galena, sphalerite, pyrite and arsenopyrite.
E22	BL28418	Select sample of silicified envelope surrounding druzy 1mm-2cm quartz veins in fine-grained intrusive dike.
E23	BL28414	Gray-green, fine-grained intrusive dike.
E23	BL28415	Lithological specimens: A)Gray-green, f.-gr., feldspar-phyric intrusive dike. B)Dk. gray, hnbd diorite. C)Lt. gray, bio-hnbd-(mus?) quartz monzonite; main phase.
E23	BL28416	Select of sulfide gossan; pyrite-scorodite-bearing 1-2cm quartz-(feldspar) veins in biotite-hornblende-bearing quartz monzonite.
E23	BL28417	Select of sulfide(80%)-quartz vein. Sulfides: 50% arsenopyrite which is variably altered to scorodite, 25% galena, and 25% sphalerite-pyrite-chalcopyrite.
E23	BL28790	Gray-green, fine-grained intrusive rhyolite plug/dike intruding granodiorite
E24	BL28867	Panned concentrate from south draining pup to Green Creek. Abundant Fe-staining in creek bed.
E25	BL28802	Panned concentrate.
E26	BL28801	Dark green-gray, agglomeratic tuff which contains veins and blebs of pyrrhotite (as much as 30%).
E27	BL28800	0.6m x 0.6m x 0.1m massive vein material: matrix is orange weathering carbonate which has been partially replaced (5-10%) by quartz and trace of pyrite.
E28	BL28825	Vuggy, siliceous chalcedonic vein with minor sulfides and gossan.
E28	BL28798	Cherty or highly siliceous andesite/basalt. Contains blebs of red-clear glass and trace of Fe-sulfides.
E28	BL28799	Vitrophyric basalt with hairline veinlets which have 1cm-wide selvage of hematite.
E28	BL28796	Quartz veined/silicified breccia boulders as large as 0.3m x 0.3m x 0.6m
E28	BL28797	Vuggy, open-spaced, veined, brecciated quartzite, Pzq(?). 5-10% fluorite fills open spaces and forms massive 5cm-wide vein fillings.
E29	BL26159	Quartzite with quartz veinlets containing sulfides.
E29	BL28966	Pyritic quartzite with yellow-white oxide coating.
E29	BL28967	Brecciated quartz-white mica schist cemented by dogtooth quartz which is pyritic in places.
E30	BL28968	Panned concentrate of old placer tails.
E30	BL28969	Panned concentrate of fines from in between bedrock foliations-2 gold flakes
E30	BL28970	Weathered breccia with very light green areas(2%)-possibly scorodite.
E30	BL28964	Panned concentrate.
E30	BL28965	Stream sediment from sediments with heavy Fe-oxide staining.
E31	BL28961	Panned concentrate
E31	BL28963	Panned concentrate
E31	BL28962	Stream sediment.
E32	BL07993	Quartz vein breccia in matrix-supported groundmass of tan-colored siliceous material.
E33	BL28858	Panned concentrate of stream sediment near bedrock outcrop of coarse-grained, biotite- bearing granite.
E33	BL28859	Coarse-grained, biotite granodiorite.
E33	BL28994	Panned concentrate.
E34	BL28992	Panned concentrate.
E34	BL28993	Stream sediment.
E35	BL28924	5cm-wide quartz vein with vuggy carbonate casts cross-cutting siliceous hornfels or skarn.
E35	BL28926	Green acicular amphibole skarn with pyrrhotite(5%), sphalerite(2%) and trace chalcopyrite.
E35	BL28927	Pyroxene skarn with pyrrhotite-sphalerite-chalcopyrite.
E35	BL28925	Banded pyroxene skarn with pyrrhotite-chalcopyrite-sphalerite.
E36	BL28923	20cm x 15cm x 15cm boulder of massive pyrrhotite.
E37	BL28922	Coarse-grained, plagioclase porphyritic syenite dike.
E37	BL28921	Gossany rubble zone containing a highly fractured aphanitic dike, plagioclase porphyritic dike and tactite with Mn-Fe oxide coatings.
E37	BL28920	White weathering aphanitic granodiorite dike.
E38	BL28914	Leucocratic, quartz-eye porphyritic rhyolite dike ; aphanitic groundmass.
E38	BL28915	Random chip of green-white quartz-veined skarn.
E38	BL28919	Hornblende-biotite granite with gneissic texture.
E38	BL28916	Chalcopyrite-bearing green calc-silicate skarn.
E38	BL28917	White weathering, quartz-eye porphyritic rhyolite dike; aphanitic groundmass; estimated width 2-3m.
E38	BL28918	Pyrrhotite(20%)-, chalcopyrite(1%)-bearing pyroxene tactite. Trace of native copper observed in pyroxenes.
E39	BL28908	Panned concentrate.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
													1100				5			17	38
E17	BL28974		20					730	8					1590							
E18	BL28419																				
E18	BL28795	0.6	<26			1.22	>2000	>10000	<64			103	<660		<5		<139	0.32	58	74	<150
E19	BL28793		<11					8800	<23				<250				<64			72	<40
E19	BL28792		<25					>10000	<54				<600				<140			140	7
E20	BL28791	<0.5	<5			5.15	61	29	<5			>2000	2400		<5		<1	1.43	<2	<10	100
E21	BL28794		<72					>10000	<170				<1700				<355			450	<350
E22	BL28418		<5					112	<5				750				1			<10	56
E23	BL28414																				
E23	BL28415																				
E23	BL28416	5.4	<11			1.56	>2000	8590	<22			178	450		<5		<66	0.05	49.1	73	<38
E23	BL28417	22.1	7			0.94	>2000	>10000	<240			60	<2600		20		<410	0.16	257.1	<270	<490
E23	BL28790													23							
E24	BL28867	<0.5	<5			1.7	52	52	<5			570	790		11		<1	0.15	<2	<10	110
E25	BL28802	<0.5	<5			0.62	19	6	<5			522	690		<5		<1	0.05	<2	<10	130
E26	BL28801	1.9	<5			2.45	111	83	9			166	1600		<5		<1	3.71	<2	<10	74
E27	BL28800		<5					8	<5				130				<1			<10	<10
E28	BL28825	<0.5	<5			1.31	50	94	8			441	550		<5		1	0.07	<2	<10	15
E28	BL28798		<5					27	<5				1800				<1			<10	120
E28	BL28799		<5					12	<5				2400				<1			<10	110
E28	BL28796		<5					2460	<5				270				<19			<10	<10
E28	BL28797	<0.5	<5			1.76	512	526	490			165	210		<5	<1	5	7.49	<2	<10	35
E29	BL26159																				
E29	BL28966		<5					63	19				220				<1			<10	56
E29	BL28967		<5					47	<5				<100				<1	.		<10	<10
E30	BL28968	<0.5	<5			5.81	423	929	<5			660	610		15		7	0.31	<2	<10	87
E30	BL28969	2.1	<5			7.79	172	99	>10000			835	520		15		1	0.33	<2	<10	43
E30	BL28970		<5					112	<5				110				2			<10	53
E30	BL28964	<0.5	<5			8.25	80	83	<5			873	760		13		1	0.43	<2	<10	79
E30	BL28965	<0.2				0.02	180					163			14			166	<1		
E31	BL28961	<0.5	<5			4.55	113	109	19			558	430		<5		2	0.39	<2	<10	180
E31	BL28963	<0.5	<5			4.76	88	66	<5			567	420		26		1	0.53	<2	<10	83
E31	BL28962	<0.2				0.06	13					106			<5			11	<1		
E32	BL07993																				
E33	BL28858	<0.5	<5			2.16	<5	17	10			1428	1900		6		<1	0.66	<2	<10	540
E33	BL28859													2483							
E33	BL28994	<0.5	<5			5.14	50	37	<5			1517	1700		12		<1	2.17	<2	<10	140
E34	BL28992	<0.5	<5			6.26	67	27	17			1855	2000		16		<1	1.06	<2	<10	44
E34	BL28993	<0.2				0.06	46					584			<5			16	<1		
E35	BL28924		<5					13	613				180			44	<1			14	14
E35	BL28926		31					43	16				<100				<1			570	<10
E35	BL28927		9					733	8				<100				6			32	<10
E35	BL28925		17					108	11				<100				2			520	<10
E36	BL28923		<5					15	51				<100				<1			1650	<20
E37	BL28922													2920							
E37	BL28921	2.5	6			1.81	24	11	15			1323	1700		23		<1	3.57	9.8	15	60
E37	BL28920													1882							
E38	BL28914													1528							
E38	BL28915		<5					43	<5				160				<1			<10	16
E38	BL28919													927							
E38	BL28916		130					72	1680				<100			238	1			110	140
E38	BL28917													1516							
E38	BL28918	2.5	<5			0.58	44	36	120			337	<100		29	9	<1	>10	6.7	21	<10
E39	BL28908	<0.5	<5			4.69	144	174	<5			1980	2200		8		1	0.97	<2	<10	35

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
E17	BL28974			<10		300	13		0.54		<2		2.8		<2	<100			21		<0.5
E18	BL28419																				
E18	BL28795		3	<10	275	<400	<4	14				2.54	2.1	<10	<14	<420	0.42	<5	<5	30	<2.7
E19	BL28793			<10		300	<2		0.04		6		3.8		<4	<150			5		<0.5
E19	BL28792			<10		<250			0.11		<6		<5			<300			<21		<1.6
E20	BL28791		<1	<10	173	160	2	14			3	2.19	2.3	21	7	<100	0.67	33	51	15	0.8
E21	BL28794			<41		<890	<10		0.05		<20		>10		<31	90			<5		<6
E22	BL28418			<10		250	8				<2		1.6		4	<100			26		0.5
E23	BL28414																				
E23	BL28415																				
E23	BL28416		3	<10	318	160	5	171			<2	3.6	5.5	15	<2	<100	0.99	15	24	45	<0.9
E23	BL28417		35	<62	394	<1200	<14	258	0.03		<22	>10	0.9	<10	<41	99	0.35	18	<19	10	<7.8
E23	BL28790																				
E24	BL28867		26	33	47	<50	8	23			<2	4.89	4.8	<10	7	<100	0.72	38	54	36	0.5
E25	BL28802		<1	<10	86	140	3	6			<2	0.83	1.1	<10	11	<100	0.86	36	63	29	0.5
E26	BL28801		78	95	304	290	7	210			<2	>10	>10	21	4	<100	0.02	13	45	41	<0.5
E27	BL28800			<10		180	<1				<2		3.4		<2	<100			<5		<0.5
E28	BL28825		5	<10	269	390	4	16			<2	1.43	2	<10	<2	<100	0.52	6	10	104	<0.5
E28	BL28798			41		610	9				2		5.5		5	<100			68		<0.5
E28	BL28799			42		610	7				<2		5.4		4	<100			60		<0.5
E28	BL28796			<10		450	5				<2		1.8		<2	<100			11		<0.5
E28	BL28797		6	<10	299	290	5	19			<2	1.64	1.7	<10	<2	<100	0.42	15	14	140	<0.5
E29	BL26159																				
E29	BL28966			<10		490	6				<2		2.2		5	<100			27		<0.5
E29	BL28967			<10		460	<1				<2		1.1		<2	<100			<5		<0.5
E30	BL28968		18	34	270	290	5	48			<2	8.25	9	17	8	<100	0.52	43	53	65	<0.5
E30	BL28969		31	34	301	300	6	47			2	5.94	6.1	19	10	<100	0.56	59	50	75	<0.5
E30	BL28970			<10		310	4				<2		3.4		5	<100			25		<0.5
E30	BL28964		22	30	247	270	5	35			<2	5.55	5.6	20	13	<100	0.51	46	47	72	<0.5
E30	BL28965		121		8			6				>10		0.48				0.14		45	
E31	BL28961		16	28	388	410	2	29			2	5.65	6.3	15	14	<100	0.45	95	120	23	0.8
E31	BL28963		8	24	310	320	3	32			<2	6.92	7.5	11	20	<100	0.51	51	60	24	0.6
E31	BL28962		13		27			26				3.27		1.55				0.65		27	
E32	BL07993																				
E33	BL28858		6	12	38	63	3	7			4	5.21	6.7	22	23	<100	0.91	130	290	36	1.3
E33	BL28859																				
E33	BL28994		7	11	289	310	2	11			2	3.57	4	13	7	<100	0.53	61	88	31	0.7
E34	BL28992		<1	<10	399	400	3	7			<2	1.58	1.8	15	3	<100	0.53	17	25	22	<0.5
E34	BL28993		14		24			16				6.56		1.02				0.43		32	
E35	BL28924			13		410	<1				<2		4.3		<2	<100			6		<0.5
E35	BL28926			29		<50	5		0.23		<2		>10		<2	<100			<5		<0.5
E35	BL28927			43		<50	7		0.16		<2		>10		<2	<100			<5		<0.5
E35	BL28925			<10		<50	<1		0.31		<2		>10		<2	<100			<5		<0.5
E36	BL28923			170		<50	8				<2		>10		<2	<100			<5		<0.5
E37	BL28922																				
E37	BL28921		1	<10	159	180	5	296			<2	8.13	8	19	<2	<100	0.67	15	32	37	<0.5
E37	BL28920																				
E38	BL28914																				
E38	BL28915			<10		220	<1				<2		>10		2	<100			10		<0.5
E38	BL28919																				
E38	BL28916			40		250	<1		1.67		2		>10		5	<100			94		<0.5
E38	BL28917																				
E38	BL28918		52	94	46	<50	<1	1523	0.16		<2	>10	>10	18	<2	<100	0.15	<5	<5	3	<0.5
E39	BL28908		14	26	323	350	2	36			<2	4.68	4.9	11	3	<100	0.66	12	15	22	<0.5

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Ni ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
E17	BL28974					30				1.2		<20					0.03			280	
E18	BL28419													14							114
E18	BL28795	0.06	261		3	<15			0.03	<0.05	<5	300	8		209					<69	
E19	BL28793					<14				<0.05		<120					3.95			<47	
E19	BL28792					<12				<0.05		<230					1.04			<200	
E20	BL28791	0.13	462		<1	<2			2.51	2.6	14	<20	5		63					160	
E21	BL28794					<39				<0.16		<890					0.05			<190	
E22	BL28418					<2				0.08		<20								140	
E23	BL28414																				
E23	BL28415																			410	
E23	BL28416	0.24	147		10	<5			0.12	0.08	9	<62	12		6128					<260	
E23	BL28417	0.05	1017		17	<61			0.06	<0.15	7	<550	10		>10000		2.31				<1
E23	BL28790													<5							
E24	BL28867	0.15	2065		9	<2			0.77	0.73	13	50	47		30					120	
E25	BL28802	0.09	170		1	<2			0.43	0.42	15	<20	16		24					95	
E26	BL28801	0.61	2435		9	5			0.61	0.63	21	390	355		101					<10	
E27	BL28800					<2				<0.05		<20								<10	
E28	BL28825	0.26	64		<1	5			0.08	0.06	<5	22	20		8					53	
E28	BL28798					<2				0.81		230								61	
E28	BL28799					<2				0.84		230								91	
E28	BL28796					4				<0.05		<20								110	
E28	BL28797	0.24	185		7	<2			0.07	<0.05	6	41	18		43					63	
E29	BL26159																				
E29	BL28966					<2				<0.05		<20								110	
E29	BL28967					<2				<0.05		<20								12	
E30	BL28968	0.76	1358		<1	<2			0.45	0.28	20	<20	55		47					140	
E30	BL28969	0.87	1409		5	<2			0.5	0.24	19	98	87		49					140	
E30	BL28970					<2				<0.05		32								80	
E30	BL28964	0.94	1424		<1	<2			0.59	0.25	21	47	49		36					150	
E30	BL28965	152	7374		<1								196		26						
E31	BL28961	0.73	870		<1	<2			1.11	1	23	<20	39		60					64	
E31	BL28963	0.75	1038		2	<2			1.08	0.83	23	40	34		40					83	
E31	BL28962	58	1500		<1								30		20						
E32	BL07993																				
E33	BL28858	0.29	1185		2	<2			2.61	2.8	19	<20	9		41					170	
E33	BL28859													13							127
E33	BL28994	0.72	877		<1	<2			0.91	0.75	15	<20	22		26					77	
E34	BL28992	0.15	553		3	<2			2.49	2.3	8	<20	13		23					100	
E34	BL28993	75	5549		<1								20		20						
E35	BL28924					<2				<0.05		<20								<10	
E35	BL28926					<2				<0.05		<20								<10	
E35	BL28927					<2				<0.05		<20								<10	
E35	BL28925					<2				<0.05		<20								<10	
E36	BL28923					<2				0.06		<48									91
E37	BL28922													19						110	
E37	BL28921	0.35	5909		3	<2			0.45	0.41	11	36	23		87						106
E37	BL28920													15							187
E38	BL28914													15						15	
E38	BL28915					<2				0.07		<20									180
E38	BL28919													17						<10	
E38	BL28916					<2				0.06		130									230
E38	BL28917													14						<10	
E38	BL28918	0.71	6756		7	<2			0.59	<0.05	16	91	82		31					55	
E39	BL28908	1.26	1318		1	2			0.7	0.52	11	46	54		24						

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
E17	BL28974		4.4		5.8	<10	3		<200				1	<1			<20	16		10	
E18	BL28419									298											
E18	BL28795	59	80.6		<1.8	<68	<1.4	<20	<2400		9	<100	<2	<1		<25	<420	<5	0.01	<3.2	<2
E19	BL28793		31.8		0.7	<23	0.8		<870				<1	<1			<120	4.6		<1.1	
E19	BL28792		<34.5		0.4	<57	<4.5		<2100				<2	<1			<260	<4.6		<2.9	
E20	BL28791	9	1.5		10	<10	8	<20	<200		207	<100	2	1		<25	<20	19	0.13	4.4	6
E21	BL28794		<38.5		<3.9	<180	<0.5		<6300				<6	<5			20	<14		<8.7	
E22	BL28418		8.8		6.5	<10	4.4		<200				<1	<1			<20	11		3.8	
E23	BL28414																				
E23	BL28415																				
E23	BL28416	17	<18		10	<22	3.4	307	<870		12	<100	<1	<1		<25	<110	12	0.21	1.6	40
E23	BL28417	140	<117		<4.7	<280	<2.4	39	500		4	<100	<8	<7		<25	<1200	<21	0.04	<14	<2
E23	BL28790									<1											
E24	BL28867	10	0.6		5.4	<10	8.3	20	<200		75	<100	1	1		<25	<20	17	0.21	4.7	39
E25	BL28802	24	0.6		5.4	<10	8.4	22	<200		32	<100	2	1		<25	<20	17	0.31	4	27
E26	BL28801	<5	5.5		18	<10	5.7	29	<200		840	<100	1	<1		<25	<20	9.1	0.26	4	250
E27	BL28800		1.3		3.5	<10	0.7		<200				<1	<1			<20	<0.5		<0.5	
E28	BL28825	<5	3.5		4.7	<10	1.1	<20	<200		104	<100	<1	<1		<25	<20	2.6	0.07	0.6	30
E28	BL28798		0.8		19	<10	10		<200				1	<1			<20	17		4.7	
E28	BL28799		0.7		20	<10	8.7		<200				<1	<1			<20	14		4.4	
E28	BL28796		4.8		4	<10	1.9		<200				<1	<1			<53	5.1		1	
E28	BL28797	13	13		3.3	<10	3.1	<20	<200		66	<100	<1	<1		<25	<20	6.6	0.15	2.3	26
E29	BL26159																				
E29	BL28966		3.3		4.3	<10	4.3		<200				<1	<1			<20	8.4		2.4	
E29	BL28967		1		0.8	<10	0.5		<200				<1	<1			<20	0.6		<0.5	
E30	BL28968	39	6.8		14	<10	6.8	27	<200		57	<100	2	1		<25	<20	17	0.53	5.3	69
E30	BL28969	19	3.4		14	<10	6.3	32	<420		74	<100	2	<1		<25	<50	16	0.52	5.8	83
E30	BL28970		5.6		4.6	<10	3.7		<200				<1	<1			<20	13		2	
E30	BL28964	<5	2.6		14	<10	6.6	28	<200		84	<100	2	<1		<25	<20	15	0.53	4.9	78
E30	BL28965	<5						<20				0.86				<10			<0.01		7
E31	BL28961	11	2.6		11	<10	14	32	<200		77	<100	2	2		<25	<20	47	0.85	6.1	67
E31	BL28963	<5	2.7		12	<10	7.8	40	<200		84	<100	3	1		<25	<20	23	0.97	6.2	69
E31	BL28962	<5						<20				0.64				<10			<0.01		29
E32	BL07993																				
E33	BL28858	19	1		22	<10	33.9	32	<200		161	<100	2	3		<25	<20	100	0.26	10	67
E33	BL28859									296											
E33	BL28994	<5	1.5		12	<10	11	32	<200		134	<100	1	1		<25	<20	26	0.53	3.3	98
E34	BL28992	20	0.5		4.6	<10	3.4	22	<200		228	<100	<1	<1		<25	<20	8.1	0.1	1.7	23
E34	BL28993	<5						<20				1.24				<10			0.01		40
E35	BL28924		0.8		2	<10	1.2		<200				<1	<1			<20	1.1		<0.5	
E35	BL28926		2.3		0.6	<10	0.2		<200				<1	<1			<20	<0.5		3	
E35	BL28927		3		<0.5	14	0.3		<200				<1	<1			<20	<0.5		5.9	
E35	BL28925		5		<0.5	<10	0.4		<200				<1	<1			<20	<0.5		6.8	
E36	BL28923		0.8		<0.5	<10	0.5		<200				<1	<1			<20	1.2		0.6	
E37	BL28922									1704											
E37	BL28921	16	6		9.1	<10	4.2	164	650		137	<100	<1	<1		<25	<20	7.2	0.23	3.1	71
E37	BL28920									478											
E38	BL28914									204											
E38	BL28915		0.7		3.6	<10	1.7		<200				<1	<1			<20	2.8		1.3	
E38	BL28919									143											
E38	BL28916		5.7		14	<10	8.7		<200				1	<1			<20	10		3.7	
E38	BL28917									310											
E38	BL28918	28	0.8		1.4	19	1.5	66	<200		23	<100	<1	<1	1.1	<25	<20	1.3	0.01	1.1	25
E39	BL28908	<5	0.7		15	<10	3.6	<20	<200		91	<100	<1	<1		<25	<20	4.4	0.53	2.2	169

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
E17	BL28974			55				<5		<200	0.03			<500							
E18	BL28419						24								174						
E18	BL28795		<20	<8		8		<39	327	2000			5	<2600							
E19	BL28793			4				<13		4000	0.33			<500							
E19	BL28792			<8				<27		9200	0.83			<2300							
E20	BL28791		<20	<2		28		5	56	<200			222	<500							
E21	BL28794			<23				<130		>30000	3.42			<6600							
E22	BL28418			5				<5		<200				<500							
E23	BL28414																				
E23	BL28415																				
E23	BL28416		<20	26		5		<14	2361	2800			11	<500							
E23	BL28417		<20	<31		6		<51	16327	<22900	1.89		<5	<8500							
E23	BL28790						<1								26						
E24	BL28867		<20	3		14		<5	125	<200			42	<500							
E25	BL28802		<20	5		<5		<5	31	<200			29	660							
E26	BL28801		<20	3		<5		<5	111	<200			70	<500							
E27	BL28800			<2				<5		<200				<500							
E28	BL28825		<20	<2		<5		<5	20	<200			28	<500							
E28	BL28798			<2				<5		<200				<500							
E28	BL28799			<2				<5		<200				<500							
E28	BL28796			4				<5		<200				<500							
E28	BL28797		<20	3		17		<5	41	<200			7	<500							
E29	BL26159																				
E29	BL28966			6				<5		470				<500							
E29	BL28967			<2				<5		770				<500							
E30	BL28968		<20	9		20		<5	118	220			39	<500							
E30	BL28969		<20	7		23		<5	154	220			50	740							
E30	BL28970			3				<5		<200				<500							
E30	BL28964		<20	7		20		6	103	<200			64	810							
E30	BL28965		<20						225												
E31	BL28961		<20	14		26		7	63	<200			59	950							
E31	BL28963		<20	<2		21		8	62	<200			83	980							
E31	BL28962		<20						65												
E32	BL07993																				
E33	BL28858		<20	<2		22		6	211	230			43	1000							
E33	BL28859						24								143						
E33	BL28994		<20	<2		20		6	62	<200			44	<500							
E34	BL28992		<20	<2		9		<5	34	<200			35	<500							
E34	BL28993		<20						83												
E35	BL28924			<2				<5		1000				<500							
E35	BL28926			<2				<5		>30000	4.1			<500							
E35	BL28927			6				<5		2400	0.2			<500							
E35	BL28925			<2				<5		>30000				<500							
E36	BL28923			<2				<5		>30000				<500							
E37	BL28922						16								132						
E37	BL28921		<20	9		7		<5	1372	1200			15	<500							
E37	BL28920						32								250						
E38	BL28914						21								132						
E38	BL28915			3				<5		<200				<500							
E38	BL28919						9								240						
E38	BL28916			7				<5		12000				<500							
E38	BL28917						28								78						
E38	BL28918		<20	4		5		<5	1408	1800			31	<500							
E39	BL28908		<20	<2		22		<5	151	<200			16	<500							

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
E17	BL28974														
E18	BL28419	67.35	0.43	15.5	0.54	3.5	4.43	0.08	1.38	3.92	3.14	2.85	0.1	0.84	100.03
E18	BL28795														
E19	BL28793														
E19	BL28792														
E20	BL28791														
E21	BL28794														
E22	BL28418														
E23	BL28414														
E23	BL28415														
E23	BL28416														
E23	BL28417														
E23	BL28790	93.94	0.02	0.59	1.13	0.84	2.06	0.03	<0.01	0.06	0.08	0.26	<0.03	2.53	99.58
E24	BL28867														
E25	BL28802														
E26	BL28801														
E27	BL28800														
E28	BL28825														
E28	BL28798														
E28	BL28799														
E28	BL28796														
E28	BL28797														
E29	BL26159														
E29	BL28966														
E29	BL28967														
E30	BL28968														
E30	BL28969														
E30	BL28970														
E30	BL28964														
E30	BL28965														
E31	BL28961														
E31	BL28963														
E31	BL28962														
E32	BL07993														
E33	BL28858														
E33	BL28859	72.06	0.22	14.63	0.39	1.88	2.48	0.05	0.6	2.59	3.33	3.47	0.1	0.95	100.48
E33	BL28994														
E34	BL28992														
E34	BL28993														
E35	BL28924														
E35	BL28926														
E35	BL28927														
E35	BL28925														
E36	BL28923														
E37	BL28922	61.11	0.39	17.07	1.63	2.34	4.23	0.16	1.33	4.53	5.22	4.56	0.31	0.93	99.85
E37	BL28921														
E37	BL28920	67.28	0.41	16.73	0.25	0.97	1.33	0.06	0.76	4.05	4.81	3.7	0.2	1.05	100.39
E38	BL28914	74.34	0.12	12.85	0.38	0.84	1.31	0.03	0.33	1.2	2.23	5.19	0.09	1.93	99.62
E38	BL28915														
E38	BL28919	74.85	0.16	12.92	0.66	1.88	2.75	0.05	0.08	1.36	2.35	5.24	0.07	1.03	100.87
E38	BL28916														
E38	BL28917	75.43	0.06	12.84	0.14	0.58	0.78	0.03	0.11	1.72	1.78	5.47	0.03	1.61	99.86
E38	BL28918														
E39	BL28908														

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
E39	BL28909	Alder Creek	64	26.100	141	45.150	R
E39	BL28907		64	26.100	141	45.150	SS
E39	BL28903		64	26.036	141	44.630	PC
E39	BL28904		64	26.036	141	44.630	SS
E39	BL28905		64	25.984	141	45.020	PC
E39	BL28906		64	25.984	141	45.020	SS
E40	BL28901	Alder Creek	64	26.618	141	44.884	R
E40	BL28902		64	26.600	141	44.800	SS
E41	BL28897	Alder Creek	64	26.824	141	44.527	SO
E41	BL28898	Alder Creek	64	26.786	141	44.540	R
E41	BL28899	Alder Creek	64	26.786	141	44.540	SO
E41	BL28900	Alder Creek	64	26.765	141	44.788	R
E42	BL27973		64	27.080	141	45.150	R
E42	BL28895	Alder Creek	64	26.925	141	45.188	R
E42	BL28896	Alder Creek	64	26.925	141	45.188	R
E43	BL28959	Champion II	64	33.272	141	42.898	R
E43	BL28960	Champion II	64	33.272	141	42.898	R
E43	BL26157	Champion II	64	33.266	141	42.888	R
E43	BL26158	Champion II	64	33.266	141	42.888	R
E44	BL28957	Champion I	64	33.474	141	40.336	R
E44	BL28956	Champion I	64	33.380	141	40.550	R
E44	BL26153	Champion I	64	33.364	141	40.469	R
E44	BL26154	Champion I	64	33.328	141	40.639	R
E44	BL26155	Champion I	64	33.328	141	40.639	R
E44	BL26156	Champion I	64	33.328	141	40.639	R
E44	BL28958	Champion I	64	33.328	141	40.639	R
E45	BL27975		64	33.052	141	40.016	R
E46	BL28955		64	32.874	141	39.695	R
E47	BL28839		64	30.944	141	38.944	PC
E47	BL28838		64	30.944	141	38.944	SS
E48	BL27974		64	32.230	141	37.550	R
E48	BL28954		64	32.202	141	37.334	R
E49	BL28953		64	32.131	141	36.613	R
E49	BL28910		64	32.084	141	36.487	R
E49	BL28952		64	32.084	141	36.487	R
E50	BL29000		64	33.945	141	34.792	PC
E50	BL07992	Champion East	64	33.900	141	34.800	R
E50	BL07991	Champion East	64	33.775	141	34.688	R
E51	BL07988	Champion East	64	34.058	141	33.151	R
E51	BL07989	Champion East	64	34.058	141	33.151	R
E51	BL07990	Champion East	64	34.058	141	33.151	R
E51	BL28999	Champion East	64	34.050	141	32.937	R
E52	BL28995		64	31.350	141	33.567	R
E52	BL28863		64	31.310	141	33.517	R
E52	Bl28864	Little Champion Cr.	64	31.310	141	33.517	R
E52	BL28987		64	31.310	141	33.517	SS
E52	BL28996		64	31.309	141	33.533	R
E53	BL28911	Lead Creek	64	30.721	141	26.429	SO
E53	BL28912	Lead Creek	64	30.652	141	26.674	SO
E53	BL28913		64	30.586	141	26.685	SS
E54	BL28834	Lead Creek	64	30.165	141	26.450	SO
E54	BL28833	Lead Creek	64	30.160	141	26.400	SO
E54	BL28832	Lead Creek	64	30.150	141	26.200	SO
E54	BL28830	Lead Creek	64	30.140	141	25.900	SO

Map number	Sample number	Description
E39	BL28909	Chlorite schist with 3% disseminated pyrrhotite.
E39	BL28907	Stream sediment.
E39	BL28903	Panned concentrate.
E39	BL28904	Stream sediment.
E39	BL28905	Panned concentrate.
E39	BL28906	Stream sediment.
E40	BL28901	Brecciated graphitic schist with boxwork gossan in vugs.
E40	BL28902	Stream sediment sample from high gradient stream with high organic content.
E41	BL28897	Soil sample.
E41	BL28898	Select of pyritic quartz veins from muscovite schist .
E41	BL28899	Soil sample from strongly orange-colored soil at spring.
E41	BL28900	Limonite-veined quartz-muscovite schist. Veins are 1mm or less, cross-cut schistosity and are densely concentrated.
E42	BL27973	Fault breccia
E42	BL28895	Milky-white quartz segregation with limonite coated vugs.
E42	BL28896	Brecciated muscovite-biotite schist cemented with limonite.
E43	BL28959	Select of sulfide-rich(80%) skarn. Sulfides: galena-sphalerite-chalcopyrite-pyrite.
E43	BL28960	Disseminated to stratiform galena and sphalerite in amphibole skarn. Total sulfides 20%.
E43	BL26157	Malachite-stained hornfels.
E43	BL26158	Malachite-stained hornfels.
E44	BL28957	Biotite-bearing, hornblende-phyric tonalite
E44	BL28956	Sulfidic amphibolite; 25% sulfides: pyrrhotite-chalcopyrite.
E44	BL26153	Hornfels; highly altered, strong limonite coating, no visible sulfides.
E44	BL26154	Hornfels containing massive to semi-massive magnetite with disseminated chalcopyrite-pyrrhotite.
E44	BL26155	Channel sample across 0.3m banded, altered hornfels. Contains massive to semi-massive magnetite with disseminated chalcopyrite-pyrrhotite.
E44	BL26156	Select of massive magnetite.
E44	BL28958	Gray-green, altered tonalite (?) intrusive
E45	BL27975	Slightly weathered diorite float.
E46	BL28955	Gray-green, hornblende-feldspar-phyric granodiorite. Feldspar phenocryst show slight potassic(?) alteration.
E47	BL28839	Panned concentrate.
E47	BL28838	Stream sediment.
E48	BL27974	Felsic intrusive with trace of pyrrhotite.
E48	BL28954	Veined biotite-chlorite-quartz hornfels. Veins are hairline width, coated with limonite, and appear to have alteration selvage.
E49	BL28953	Quartzo-feldspathic schist which has been cut by chlorite-quartz-feldspar veins which parallel schistosity.
E49	BL28910	Quartz-mica schist cross-cut by a 1cm-wide dull gray quartz vein with distinct envelope of hematite developed in schist.
E49	BL28952	Dense, milky-white, metamorphic quartz segregation with strong limonite coating, and boxwork gossan filled vugs up to 8mm in diameter.
E50	BL29000	Panned concentrate. Concentrate contains minor black sands and heavy, creamy white sands.
E50	BL07992	Fe-stained, malachite-stained crushed biotite granite.
E50	BL07991	Fine-grained biotite-(hornblende) tonalite
E51	BL07988	Carbonate schist with calc-silicate layers and minor galena.
E51	BL07989	Gossany calc-silicate lens up to 11cm thick.
E51	BL07990	Massive garnet interbedded with limestone. Trace disseminated galena.
E51	BL28999	Disseminated galena in green calc-silicate
E52	BL28995	Silicified calcareous greenstone with 5% sphalerite-galena-pyrite.
E52	BL28863	Silicified, carbonate altered and veined greenstone with 1% disseminated sphalerite-pyrite-pyrrhotite.
E52	Bl28864	Deformed meta-greenstone; shears filled with gossany carbonate and minor blebs of galena.
E52	BL28987	Stream sediment.
E52	BL28996	Gossany quartz clast breccia.
E53	BL28911	Soil sample.
E53	BL28912	Soil sample.
E53	BL28913	Stream sediment.
E54	BL28834	Soil sample.
E54	BL28833	Soil sample.
E54	BL28832	Soil sample.
E54	BL28830	Soil sample.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
E39	BL28909	1.3				7.55	50					667			11			6.09	<2		
E39	BL28907	<0.2				0.12	7					372			<5			15	<1		
E39	BL28903	<0.5	<5			4.3	9	5	<5			1647	2000		18		<1	0.75	<2	<10	30
E39	BL28904	<0.2				0.13	6					237			<5			9	<1		
E39	BL28905	<0.5	<5			4.55	31	5	<5			>2000	5600		29		1	1.59	<2	<10	32
E39	BL28906	<0.2				0.11	<5					372			<5			13	<1		
E40	BL28901	0.8				2.03	78					700			<5			0.33	<2		
E40	BL28902	<0.2				0.06	6					449			<5			>10	<1		
E41	BL28897	<0.5				2.62	42					858			6			0.95	<2		
E41	BL28898	0.8	<5			7.55	114	15	8			827	5800		15		<1	>10	<2	<10	<10
E41	BL28899	0.7				7.19	<5					>2000			8			1.7	<2		
E41	BL28900		<5					34	<5				2400				<1			<10	22
E42	BL27973		<5					17	6				760				<1			<10	51
E42	BL28895		<5					106	<5				<100				1			<10	<10
E42	BL28896		<5					57	<5				400				1			<10	38
E43	BL28959		7	0.18				4	<5				110				<1			430	68
E43	BL28960		<5	<0.02				7	<5				1600				<1			<10	32
E43	BL26157	10.4	32			2.39	75	13	<17			96	<290		87			7.15	152.3	220	87
E43	BL26158	13.1	43			2.37	27	24	<5			85	<100		84			6.99	27.4	41	67
E44	BL28957													1049							
E44	BL28956		7					3	87				<100				<1			<10	15
E44	BL26153																				
E44	BL26154																				
E44	BL26155																				
E44	BL26156																				
E44	BL28958		78					6	<5				<100	22			1			1160	22
E45	BL27975													1314							
E46	BL28955																				
E47	BL28839	<0.5	<5			2.21	9	14	58			641	820		<5		<1	0.4	<2	<10	110
E47	BL28838	<0.2				2.07	14					346			<5			0.82	<1		
E48	BL27974		5					2	<5				1200				<1			<10	65
E48	BL28954		<5					19	<5				1200				<1			24	160
E49	BL28953		<5					10	<5				390				<1			<10	38
E49	BL28910		<5					765	11				580				6			<10	82
E49	BL28952		<5					13	<5				<100				<1			<10	<10
E50	BL29000	<0.5	<5			6.55	49	18	<5			1017	870		13		<1	2.04	<2	<10	82
E50	BL07992													1176							
E50	BL07991																				
E51	BL07988	1.2	<5			9.96	47	41	<5			744	250		31			>10	<2	<10	130
E51	BL07989	1.2	9			3.27	86	8	7			243	<100		13			>10	<2	<10	61
E51	BL07990	2	<5			4.92	53	8	<5			293	<100		31			>10	5.5	17	38
E51	BL28999		<5					2	<5				1200				<1			<10	29
E52	BL28995		7					57	<5				100				1			360	71
E52	BL28863	0.8	<5			2.29	27	28	<5			133	<100		10		<1	>10	2.2	13	59
E52	BI28864		<5	0.08				41	<5				420				1			45	37
E52	BL28987	<0.2				0.11	<5					184			<5			8	<1		
E52	BL28996		<5					28	<5				530				<1			<10	78
E53	BL28911				1.9																
E53	BL28912				3.1																
E53	BL28913	0.6				1.6	27					246			<5			1.3	<1		
E54	BL28834	6.9	<5			>10	242	<1	<5			1132	<100		<5		<1	1	<2	<10	<10
E54	BL28833	4.3	7			>10	93	22	<5			927	1200		<5		6	2.1	<2	<10	56
E54	BL28832	5.3	<5			>10	125	<1	<5			865	<100		<5		<1	2.18	<2	<10	<10
E54	BL28830	5.2	<5			>10	160	16	<5			1007	1100		<5		3	1.72	<2	<10	58

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
E39	BL28909		39		77			52				>10		28			0.33	9		13	
E39	BL28907		25		59			58				4.29		1.67				0.86		22	
E39	BL28903		23	20	820	200	2	32			<2	4.95	5.6	12	4	<100	0.53	13	16	22	0.8
E39	BL28904		20		75			47				4.13		1.52				1.08		14	
E39	BL28905		15	28	131	150	2	34			<2	7.6	>10	12	3	<100	0.55	9	16	19	3.7
E39	BL28906		24		51			46				3.87		1.58				0.87		18	
E40	BL28901		2		561			127				3.97		11			0.45	17		9	
E40	BL28902		17		57			51				3.47		1.34				0.7		16	
E41	BL28897		8		34			23				2.22		16			1.07	12		20	
E41	BL28898		20	17	149	190	2	42			<2	6.22	6.1	23	<2	<100	0.43	<5	<5	5	<0.5
E41	BL28899		55		249			65				9.52		24			0.59	17		33	
E41	BL28900			23		310	1				<2		2.2		<2	<100			10		<0.5
E42	BL27973			43		340	2				<2		8.6		<2	<100			28		<0.5
E42	BL28895			<10		600	<1				<2		1.4		<2	<100			<5		<0.5
E42	BL28896			56		210	2				<2		>10		<2	<100			21		<0.5
E43	BL28959			22		110	<1		0.08		2		>10		3	<100			36		0.5
E43	BL28960			<10		69	3		<0.01		<2		2.1		3	<100			11		<0.5
E43	BL26157		18	25	139	290	<1	>20000	2.2		<2	6.83	7.8	28	<7	<100	0.04	22	46	22	0.7
E43	BL26158		12	13	135	130	<1	17573			2	6.92	8.9	35	2	<100	0.18	14	36	15	<0.5
E44	BL28957																				
E44	BL28956			21		260	<1				<2		>10		<2	<100			<5		<0.5
E44	BL26153																				
E44	BL26154																				
E44	BL26155								0.25												
E44	BL26156																				
E44	BL28958			41		150	<1				3		>10		<2	<100			17		<0.5
E45	BL27975																				
E46	BL28955																				
E47	BL28839		19	35	479	680	2	29			<2	2.9	7.2	20	15	<100	0.34	35	58	20	<0.5
E47	BL28838		14		325			27				3.5					0.4	38			
E48	BL27974			<10		270	3				<2		3.9		4	<100			32		<0.5
E48	BL28954			19		190	8				<2		6.9		5	<100			80		0.5
E49	BL28953			<10		460	1				<2		1.7		4	<100			20		<0.5
E49	BL28910			<10		350	2				<2		2.7		11	<100			45		<0.5
E49	BL28952			<10		550	<1				<2		1.3		<2	<100			<5		<0.5
E50	BL29000		4	<10	125	140	9	21			<2	2.21	3.1	12	29	<100	1.86	39	65	22	0.7
E50	BL07992								0.41	19											
E50	BL07991								0.72	8											
E51	BL07988		49	70	162	230	2	21			4	9	>10	37	6	<100	0.52	54	66	17	<0.5
E51	BL07989		34	41	140	120	<1	365			4	>10	>10	24	3	<100	0.05	25	37	3	<0.5
E51	BL07990		21	24	216	280	<1	9			2	>10	>10	31	3	<100	0.04	14	22	7	<0.5
E51	BL28999			11		160	<1				<2		3		<2	<100			15		<0.5
E52	BL28995			120		250	13		0.01		<2		>10		8	<100			34		<0.5
E52	BL28863		33	32	155	220	44	15			<2	7.12	7.6	25	3	<100	0.02	17	27	8	<0.5
E52	BI28864			44		320	4				<2		8.3		6	<100			25		0.6
E52	BL28987		6		16			13				2.36		1.46				0.46		18	
E52	BL28996			14		130	19				<2		4.1		<2	<100			37		<0.5
E53	BL28911									63											
E53	BL28912									39											
E53	BL28913		10		144			25				2.21					0.15	17			
E54	BL28834		8	<10	644	<50	<1	124			<2	>10	<0.5	<10	<2	<100	1.39	24	<5	35	<0.5
E54	BL28833		6	12	309	480	11	57			<2	>10	3.4	<10	7	<100	0.88	12	29	27	<0.5
E54	BL28832		4	<10	803	<50	<1	81			<2	>10	<0.5	<10	<2	<100	0.9	14	<5	28	<0.5
E54	BL28830		4	15	306	420	23	111			<2	>10	4.6	<10	3	<100	0.74	13	29	66	<0.5

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Ni ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
E39	BL28909	2.62	1737		4				2.16		14		26		38						
E39	BL28907	49	1449		3								69		17						
E39	BL28903	1.35	2550		204	<2			0.44	0.31	13	77	597		10					57	
E39	BL28904	29	1309		2								71		38						
E39	BL28905	1.16	4911		1	<2			0.53	0.42	11	96	46		12					32	
E39	BL28906	41	1277		2								66		15						
E40	BL28901	0.26	105		14				0.08		<5		54		35						
E40	BL28902	40	766		2								59		42						
E41	BL28897	0.44	410		<1				2.01		7		12		24						
E41	BL28898	1.32	1546		<1	<2			3.27	3.7	9	66	66		43					32	
E41	BL28899	2.13	2194		<1				1.2		9		171		22						
E41	BL28900					<2				<0.05		34								36	
E42	BL27973					3				<0.05		91								44	
E42	BL28895					<2				<0.05		31								<10	
E42	BL28896					3				<0.05		250								28	
E43	BL28959					<2				0.05		42					3.58			<10	
E43	BL28960					6				1.9		<20					<0.01			130	
E43	BL26157	0.57	2987		35	<31			0.12		26	<41	15		>10000		4.64				
E43	BL26158	0.42	2700		8	3			0.1		26	69	13		>10000		4.35				
E44	BL28957													17							33
E44	BL28956					3				0.07		<20								<10	
E44	BL26153																				
E44	BL26154																<0.01				
E44	BL26155																				
E44	BL26156													<5						<10	15
E44	BL28958					<2				<0.05		<20									
E45	BL27975													15							158
E46	BL28955																			83	
E47	BL28839	0.57	1257		3	<2			0.68	1	9	61	43		28						
E47	BL28838	0.5	653		5				0.06				38		23					120	
E48	BL27974					<2				2.3		<20								290	
E48	BL28954					<2				0.63		80								43	
E49	BL28953					<2				1.4		25								63	
E49	BL28910					<2				1.2		<20								<10	
E49	BL28952					3				<0.05		<20								100	
E50	BL29000	0.41	585		3	<2			2.07	1.9	10	<20	5		95						
E50	BL07992			3894												3	<0.01				110
E50	BL07991			30										10		6	0.24				
E51	BL07988	2.56	6163		5	<2			0.67		57	200	146		612						
E51	BL07989	1.19	4131		1	<2			0.26		26	71	54		55						
E51	BL07990	0.92	10560		3	<2			0.33		19	51	61		1474						
E51	BL28999					<2				4.2		<20					0.02			23	
E52	BL28995					<2				0.26		<20					<0.01			19	
E52	BL28863	0.46	7036		<1	<2			0.11	<0.05	10	<20	24		1578					<10	
E52	BI28864					<2				0.77		47					0.38			54	
E52	BL28987	29	422		<1								11		38						
E52	BL28996					<2				0.08		<20								86	
E53	BL28911															90					
E53	BL28912															374					
E53	BL28913	0.59	609		3				0.03				33		112						
E54	BL28834	0.82	765		21	<2			0.67	<0.05	74	<20	65		<2					<10	
E54	BL28833	0.83	906		8	4			0.86	1	35	40	33		56					77	
E54	BL28832	0.92	721		19	<2			0.76	<0.05	48	<20	59		6					<10	
E54	BL28830	1.07	825		18	6			0.75	0.88	54	<20	56		3					76	

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
E39	BL28909	<5						55			155	<100				<25			1.62		326
E39	BL28907	<5						<20				0.79				<10			0.01		67
E39	BL28903	37	0.5		17	<10	3.2	<20	<200		60	<100	1	<1		<25	<20	4.5	0.43	1.7	141
E39	BL28904	<5						<20				0.56				<10			<0.01		56
E39	BL28905	41	0.7		34	<10	4.5	35	<200		81	<100	1	2		<25	<20	3.7	0.58	1.7	142
E39	BL28906	<5						<20				0.69				<10			0.01		63
E40	BL28901	15						<20			69	<100				<25			0.12		494
E40	BL28902	<5						<20				0.72				<10			0.01		61
E41	BL28897	<5						28			353	<100				<25			0.32		77
E41	BL28898	21	1.8		17	<10	2.8	<20	<200		793	<100	<1	<1		<25	<20	<0.5	0.42	1.6	358
E41	BL28899	<5						42			143	<100				<25			0.93		386
E41	BL28900		0.5		4.4	<10	1.9		<200				<1	<1			<20	2.9		0.6	
E42	BL27973		2		6.5	<10	4.3		<200				<1	<1			<20	4.6		5.2	
E42	BL28895		1.3		0.6	<10	0.5		<200				<1	<1			<20	<0.5		0.8	
E42	BL28896		1.9		5.5	<10	4.7		<200				<1	<1			<20	3.4		7.9	
E43	BL28959		10		12	56	5.8		<200				1	<1			<20	12		4.1	
E43	BL28960		0.4		26	<10	5		<200				<1	<1			<20	10		2.4	
E43	BL26157	7	7.9		8.9	<22	4.9	37	<630		666	<100		<1		<25	<66		0.15		68
E43	BL26158	18	8		7.8	34	4.6	32	<200		682	<100		<1		<25	<20		0.15		90
E44	BL28957									499											
E44	BL28956		1.5		2	42	1.8		<200				<1	<1			<20	3.8		1.5	
E44	BL26153																				
E44	BL26154																				
E44	BL26155																				
E44	BL26156																				
E44	BL28958		23		2.2	490	2.1		<200	27			<1	<1			<20	2.8		1.8	
E45	BL27975																				
E46	BL28955									413											
E47	BL28839	<5	2.4		17	<10	7.8	<20	<200		73	<100	2	1		<25	<20	13	0.89	2.9	86
E47	BL28838	<5						<20			65					<10					48
E48	BL27974		2.1		11	<10	5.1		<200				1	<1			<20	14		2.7	
E48	BL28954		0.7		23	<10	11		<200				2	1			<20	25		5.7	
E49	BL28953		0.6		4.2	<10	2.9		<200				<1	<1			<20	7.3		1.2	
E49	BL28910		3.3		7.5	<10	6.7		<200				1	<1			<20	25		2.8	
E49	BL28952		0.8		<0.5	<10	0.4		<200				<1	<1			<20	<0.5		<0.5	
E50	BL29000	8	2		11	<10	6.8	<20	<200		281	<100	<1	1		<25	<20	19	0.28	3.3	57
E50	BL07992																				
E50	BL07991									412											
E51	BL07988	<5	4.9		22	<10	11	65	<200		887	<100		1		<25	<20		1.58		173
E51	BL07989	<5	6.9		11	<10	5.3	82	<200		153	<100		1		<25	<20		0.54		80
E51	BL07990	<5	0.9		12	<10	6.9	28	<200		51	<100		<1		<25	<20		0.42		80
E51	BL28999		0.7		10	<10	2.4		<200				<1	<1			<20	3.7		1.1	
E52	BL28995		5.4		4.2	<10	5		<200				<1	<1			<20	16		3.2	
E52	BL28863	<5	4.3		5.7	<10	4.7	<20	<200		915	<100	<1	<1		<25	<20	10	0.16	3	49
E52	BI28864		11		27	<10	6.2		<200				<1	1			<20	8.6		1.6	
E52	BL28987	<5						<20				0.4				<10			0.01		33
E52	BL28996		10		7.7	<10	5.3		<200				<1	<1			<20	10		2.2	
E53	BL28911																				
E53	BL28912																				54
E53	BL28913	<5						<20			79					<10					
E54	BL28834	<5	<0.2		<0.5	<10	<0.2	28	<200		165	<100	<1	<1		105	<20	<0.5	0.5	<0.5	135
E54	BL28833	<5	3.5		14	<10	4.8	23	<200		245	<100	<1	<1		52	<20	7.1	0.25	3.2	88
E54	BL28832	<5	<0.2		<0.5	<10	<0.2	22	<200		259	<100	<1	<1		67	<20	<0.5	0.26	<0.5	97
E54	BL28830	<5	4.1		23	<10	6	20	<200		178	<100	<1	1		76	<20	8.6	0.36	2.9	127

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
E39	BL28909		<20			76			124				<5								
E39	BL28907		<20						191												
E39	BL28903		<20	<2		27		6	98	<200			20	<500							
E39	BL28904		<20						120												
E39	BL28905		<20	<2		89		24	122	<200			9	<500							
E39	BL28906		<20						180												
E40	BL28901		<20			20			204				55								
E40	BL28902		<20						123												
E41	BL28897		<20			<5			62				87								
E41	BL28898		<20	<2		22		<5	96	<200			19	<500							
E41	BL28899		<20			32			210				16								
E41	BL28900			<2				<5		<200				<500							
E42	BL27973			<2				<5		410				<500							
E42	BL28895			<2				<5		<200				<500							
E42	BL28896			<2				<5		1400				<500							
E43	BL28959			3				<5		20700	1.81			<500							
E43	BL28960			5				<5		<200	<0.01			<500							
E43	BL26157		207	5030		6		<5	>20000	28200	2.53		29								
E43	BL26158		<20	33		<5		<5	8366	10000			33								
E44	BL28957						25								119						
E44	BL28956			<2				<5		450				<500							
E44	BL26153																				
E44	BL26154										<0.01										
E44	BL26155																				
E44	BL26156																				
E44	BL28958			6			<1	<5		>30000				<500	142						
E45	BL27975																				
E46	BL28955						21								126						
E47	BL28839		<20	<2		15		<5	106	<200			36	750							
E47	BL28838		<20			10			105												
E48	BL27974			<2				<5		<200				<500							
E48	BL28954			<2				<5		5100				540							
E49	BL28953			<2				<5		460				<500							
E49	BL28910			2				<5		<200				720							
E49	BL28952			<2				<5		1000				<500							
E50	BL29000		23	39		18		5	71	<200			79	1200							
E50	BL07992	19									<0.01										
E50	BL07991	21					29				0.1				157						
E51	BL07988		<20	3		18		<5	303	360			131								
E51	BL07989		<20	7		9		<5	72	<200			63								
E51	BL07990		<20	3		13		<5	1502	1800			76								
E51	BL28999			<2				<5		400				<500							
E52	BL28995			<2				<5		12000	1.06			<500							
E52	BL28863		<20	<2		10		<5	888	950			33	<500							
E52	BI28864			<2				<5		5400				<500							
E52	BL28987		<20						109												
E52	BL28996			<2				<5		360				<500							
E53	BL28911																				
E53	BL28912																				
E53	BL28913		<20			10			234												
E54	BL28834		<20	<2		17		<5	73	<200			72	<500							
E54	BL28833		<20	<2		9		<5	134	280			33	550							
E54	BL28832		<20	<2		13		<5	77	<200			51	<500							
E54	BL28830		<20	<2		17		<5	67	<200			38	<500							

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
E39	BL28909														
E39	BL28907														
E39	BL28903														
E39	BL28904														
E39	BL28905														
E39	BL28906														
E40	BL28901														
E40	BL28902														
E41	BL28897														
E41	BL28898														
E41	BL28899														
E41	BL28900														
E42	BL27973														
E42	BL28895														
E42	BL28896														
E43	BL28959														
E43	BL28960														
E43	BL26157														
E43	BL26158														
E44	BL28957	64.52	0.56	16.75	0.54	2.01	2.77	0.05	2.04	6.76	3.28	1.08	0.19	2.59	100.6
E44	BL28956														
E44	BL26153														
E44	BL26154														
E44	BL26155														
E44	BL26156														
E44	BL28958	47.2	0.12	5.04	5.19	8.17	14.27	0.14	0.8	2.75	0.44	0.16	<0.03	8.81	79.73
E45	BL27975														
E46	BL28955	65.06	0.44	15.64	1.09	2.98	4.4	0.09	1.48	3.54	2.96	2.98	0.16	3.24	99.99
E47	BL28839														
E47	BL28838														
E48	BL27974														
E48	BL28954														
E49	BL28953														
E49	BL28910														
E49	BL28952														
E50	BL29000														
E50	BL07992														
E50	BL07991	64.29	0.62	16.24	0.73	3.83	4.99	0.1	1.83	4.48	3	2.56	0.18	1.42	99.71
E51	BL07988														
E51	BL07989														
E51	BL07990														
E51	BL28999														
E52	BL28995														
E52	BL28863														
E52	Bl28864														
E52	BL28987														
E52	BL28996														
E53	BL28911														
E53	BL28912														
E53	BL28913														
E54	BL28834														
E54	BL28833														
E54	BL28832														
E54	BL28830														

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
E54	BL28831	Lead Creek	64	30.140	141	25.850	SO
E55	BL28829	Lead Creek	64	30.370	141	25.160	SO
E56	BL28883	Lead Creek	64	30.167	141	24.667	R
E57	BL28888	Lead Creek	64	30.893	141	25.554	SO
E57	BL28889	Lead Creek	64	30.889	141	25.724	SO
E57	BL28890	Lead Creek	64	30.765	141	25.979	SO
E58	BL28887	Lead Creek	64	30.867	141	25.313	SO
E58	BL28886	Lead Creek	64	30.829	141	25.100	SO
E59	BL28884	Lead Creek	64	31.279	141	25.013	R
E59	BL28827		64	31.216	141	25.027	R
E59	BL28885	Lead Creek	64	31.048	141	25.012	R
E60	BL28860	Lead Creek	64	31.519	141	24.534	R
E60	BL28861	Lead Creek	64	31.490	141	24.492	R
E60	BL28862	Lead Creek	64	31.424	141	24.377	R
E60	BL07994	Lead Creek	64	31.420	141	24.500	R
E61	BL28881	Lead Creek	64	31.729	141	24.805	R
E61	BL28882	Lead Creek	64	31.701	141	24.800	R
E62	BL28404		64	32.219	141	15.013	PC
E62	BL28405		64	32.219	141	15.013	PC
E62	BL28403		64	32.219	141	15.013	R
E62	BL28406		64	32.219	141	15.013	R
E62	BL28407		64	32.219	141	15.013	R
E62	BL28767		64	32.141	141	14.997	R
E63	BL28408		64	30.214	141	11.850	R
E64	BL28381		64	30.032	141	06.810	PC
E64	BL28378		64	30.032	141	06.810	R
E64	BL28379		64	30.032	141	06.810	R
E64	BL28380		64	30.032	141	06.810	R
E64	BL28390		64	30.032	141	06.810	SS
E65	BL28388		64	30.000	141	08.000	PC
E65	BL28389		64	30.000	141	08.000	SS
E66	BL28387	Highway Cu	64	29.645	141	10.319	PC
E66	BL28386		64	29.507	141	10.674	PC
E67	BL28409		64	28.870	141	12.559	R
E68	BL28410		64	25.193	141	22.673	R
E69	BL07987	Dome Creek	64	23.620	141	14.000	R
E69	BL06537		64	23.620	141	14.000	PC
E70	BL28934		64	20.517	141	04.149	PC
E71	BL28932		64	19.759	141	06.981	PC
E71	BL28933		64	19.759	141	06.981	SS
E71	BL28931		64	19.708	141	07.017	R
E72	BL28930		64	19.612	141	08.419	R
E73	BL28929		64	19.401	141	08.201	R
E74	BL28928		64	19.091	141	08.439	R
E75	BL28385		64	14.534	141	24.677	R
E76	BL28751		64	13.468	141	26.248	R
E77	BL28391		64	13.747	141	29.313	PC
E77	BL28392		64	13.747	141	29.313	SS
E78	BL28377		64	11.225	141	21.342	R
E79	BL28412		64	01.001	142	06.524	R
E80	BL28766		64	05.122	141	38.165	R
E81	BL28758		64	04.034	141	50.102	R
E82	BL28759		64	04.417	141	52.468	R
E82	BL28760		64	04.417	141	52.468	R

Map number	Sample number	Description
E54	BL28831	Soil sample.
E55	BL28829	Soil sample.
E56	BL28883	Quartz muscovite schist with moderate yellow oxide coating.
E57	BL28888	Soil sample.
E57	BL28889	Soil sample.
E57	BL28890	Soil sample.
E58	BL28887	Soil sample.
E58	BL28886	Soil sample.
E59	BL28884	Siliceous mica schist with yellow oxide coat.
E59	BL28827	Gray to dark gray metachert with pyrite.
E59	BL28885	Grey felspar porphyry dike with 3-4% disseminated pyrite/pyrrhotite.
E60	BL28860	Metamorphic quartz segregation lenses 5cm to 10cm thick with open-spaced vugs lined with boxwork gossan.
E60	BL28861	Metamorphic quartz segregation with abundant vugs and casts of oxidized sulfides.
E60	BL28862	Brecciated/silicified biotite schist with minor Fe-oxide staining and boxworks.
E60	BL07994	Crackle-brecciated biotite schist with lenticular open-spaces filled with gossan.
E61	BL28881	Silicified biotite schist. The biotite has been variably altered to white mica. Yellow and orange crusts coat rubble; zone width estimated to be 0.3 to 0.6m.
E61	BL28882	Select sample of banded, siliceous, yellow-green-stained nodules found in graphitic biotite schist.
E62	BL28404	Panned concentrate of sediment impacted stream-side bryophyte moss.
E62	BL28405	Panned concentrate.
E62	BL28403	Silicic tuff with 60% off-white aphanitic groundmass, 30% blackened, hairline fracture filling, 10% thin quartz veins.
E62	BL28406	Silicified tuff with 1% pyrite.
E62	BL28407	Black graphitic shale/schist associated with felsic tuff.
E62	BL28767	Carbonate-veined felsic tuff with 25% coarse-grained pyrite; vein width is 13 cm.
E63	BL28408	Black argillite with yellow oxide coatings on some partings.
E64	BL28381	Panned concentrate of sediment impacted stream-side bryophyte moss.
E64	BL28378	Milky-white, coarse-grained quartz with crystal voids filled with white clay; 2 grains of a soft metallic sulfide 1-4 mm diameter.
E64	BL28379	Pyritic quartz-chlorite-altered schist with 1% pyrite along foliation and minor quartz veining.
E64	BL28380	White silicified marble with 1-2 knots of white quartz; <1% fine-grained pyrite along fractures.
E64	BL28390	Stream sediment.
E65	BL28388	Panned concentrate of sediment impacted stream-side bryophyte moss.
E65	BL28389	Stream sediment.
E66	BL28387	Panned concentrate of sediment impacted stream-side bryophyte moss.
E66	BL28386	Panned concentrate.
E67	BL28409	Calcareous, black, weakly pyritic argillite.
E68	BL28410	Quartz vein segregation with 5% pyrite in biotite-quartz schist.
E69	BL07987	Random grab of black graphitic schist with localized yellow-white oxide coatings.
E69	BL06537	Panned concentrate sample taken from gravel on bedrock exposed in placer cut.
E70	BL28934	Panned concentrate.
E71	BL28932	Panned concentrate of sediments impacted in stream-side bryophyte moss.
E71	BL28933	Stream sediment.
E71	BL28931	Amphibolite with minor disseminated pyrrhotite.
E72	BL28930	Leucocratic hornblende-biotite granodiorite. Possible minor alteration and contains trace pyrrhotite-chalcopyrite.
E73	BL28929	Medium-grained, granodiorite dike containing trace coarse biotite.
E74	BL28928	60cm-wide graphic quartz-feldspar pegmatitic dike cutting ultramafics.
E75	BL28385	Leucocratic, medium- to fine-grained equigranular granite.
E76	BL28751	Biotite-amphibole quartzo-feldspathic schist; knots of honey-colored mineral in amphibole grains.
E77	BL28391	Panned concentrate.
E77	BL28392	Stream sediment.
E78	BL28377	Gossany, sericite-altered mica schist with 0.5 cm quartz vein and <2% disseminated pyrite.
E79	BL28412	Medium-grained equigranular biotite-hornblende granodiorite
E80	BL28766	Medium-grained equigranular biotite-amphibole quartz monzonite; minor chlorite-epidote filled fractures with pyrite halos.
E81	BL28758	Biotite-hornblende granite dike; seriate texture, K-feldspar slightly porphyritic and pink; plagioclase appears sausseritized.
E82	BL28759	Quartz vein, 4 cm thick, in quartz monzodiorite; vein contains 2-5% pyrite; epidote-chlorite alteration up to 1m from vein.
E82	BL28760	Granodiorite with epidote filled hairline fractures; pyritic alteration halos as much as 1 cm from fractures; weak porphyritic texture.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
E54	BL28831	6.4	<5			>10	142	13	<5			1089	1300		<5		1	1.86	<2	<10	69
E55	BL28829	4.2	5			>10	188	19	<5			684	780		<5		7	0.95	<2	<10	40
E56	BL28883		<5		1.9			2740	70				660				<22			<10	47
E57	BL28888				0.9																
E57	BL28889				3.3																
E57	BL28890				<0.1																
E58	BL28887				0.9																
E58	BL28886				1.4																
E59	BL28884		6		3.1			310	<5				270				4			<10	41
E59	BL28827																				
E59	BL28885	1.4	<5			>10	>2000	2450	67			>2000	1300		16		<20	4.04	6.5	<10	71
E60	BL28860		<5					20	<5				110				<1			<10	<10
E60	BL28861		<5					15	6				200				<1			<10	12
E60	BL28862		<5					23	<5				590				<1			<10	36
E60	BL07994	<0.5	<5			2.29	54	35	<5			569	640		<5			0.08	<2	<10	19
E61	BL28881	1.9	7			0.29	516	531	14			114	<100		6		5	0.07	<2	<10	35
E61	BL28882	>50	<160	3.28		1.33	>2000	>10000	<3680			304	<4300		<5		<744	0.03	882.6	<450	20
E62	BL28404	<0.5	<5			1.8	43	30	<5			>2000	4500		15		<1	0.59	<2	<10	110
E62	BL28405	<0.5	<5			1.55	53	34	22			1886	4800		28		1	1.02	<2	<10	140
E62	BL28403	0.8	<5			6.64	53	6	<5			1630	2300		10		<1	0.15	<2	<10	130
E62	BL28406		<5					27	<5				640				<1			<10	77
E62	BL28407		<5					35	<5				1800				<1			<10	49
E62	BL28767	<0.5	<5			7.32	30	2	<5			1876	2100		<5		<1	3.84	<2	<10	59
E63	BL28408		<5					12	11				1000				<1			<10	43
E64	BL28381	<0.5	<5			0.75	45	29	170			792	11300		15	<1	<1	0.21	<2	<10	200
E64	BL28378	1.7	<5			0.8	6	4	<5			87	<100		8	3	<1	0.05	4	<10	<10
E64	BL28379	<0.5	<5			6.51	45	19	<5			853	4200		13		<1	3.1	<2	<10	17
E64	BL28380	<0.5	<5			0.99	23	5	<5			106	120		33		<1	>10	<2	<10	<10
E64	BL28390	<0.5				1.15	40					699			14			0.33	<2		
E65	BL28388	<0.5	<5			1.4	25	21	<5			>2000	3200		11		<1	0.57	2.3	<10	260
E65	BL28389	<0.5				1.46	14					1262			19			0.57	2.2		
E66	BL28387	<0.5	<5			0.96	40	27	25			>2000	4400		19		<1	0.33	2.1	<10	190
E66	BL28386	1	<5			1.27	50	20	62			1105	1500		9		<1	0.43	<2	<10	69
E67	BL28409		<5					6	<5				330				<1			<10	30
E68	BL28410	1.9	<5			2.07	<5	4	17			461	660		9		<1	0.84	<2	<10	18
E69	BL07987																				
E69	BL06537	4.1	7			2.44	<5	3	>10000			590	660		13		<1	1.44	<2	<10	44
E70	BL28934	0.6	<5			2.84	61	23	<5			556	560		27		<1	9.15	<2	<10	32
E71	BL28932	<0.5	<5			4.11	41	78	<5			558	380		31		<1	>10	<2	<10	33
E71	BL28933	<0.2				0.07	<5					221			<5			3	<1		
E71	BL28931	1				6.16	66					775			27			>10	<2		
E72	BL28930	<0.5				2.44	15					1777		1853	12			1.64	8.8		
E73	BL28929													990							
E74	BL28928																				
E75	BL28385													2361		<1					
E76	BL28751		<5					<1	<5				780				<1			<10	43
E77	BL28391	<0.5	<5			1.37	34	3	16			85	500		23		<1	1.33	<2	<10	18
E77	BL28392	<0.5				1.79	40					640			22			1.06	<2		
E78	BL28377	<0.5	<5			3.91	16	7	10			335	320		23		<1	0.97	<2	<10	26
E79	BL28412													1437							
E80	BL28766													2259							
E81	BL28758													1440							
E82	BL28759	12.1	<5			0.82	61	72	390			76	<100	33	8	<1	3	2.49	<2	<10	22
E82	BL28760													1145							

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
E54	BL28831		3	18	377	410	9	92			<2	>10	5.2	<10	6	<100	1.14	12	30	48	<0.5
E55	BL28829		<1	16	216	300	6	67			<2	>10	6.1	<10	5	<100	0.68	12	29	28	<0.5
E56	BL28883			<10		320	1			63	<2		3.7		<2	<100			29		<0.5
E57	BL28888									67											
E57	BL28889									42											
E57	BL28890									30											
E58	BL28887									41											
E58	BL28886									99											
E59	BL28884			43		680	2			39	3		>10		4	<100			21		<0.5
E59	BL28827																				
E59	BL28885		11	11	136	120	16	30			3	5.07	4.9	22	<2	<100	1.69	27	32	21	0.6
E60	BL28860			<10		570	<1				<2		1.9		<2	<100			<5		<0.5
E60	BL28861			<10		470	<1				<2		1.4		<2	<100			7		<0.5
E60	BL28862			<10		360	<1				<2		3.4		<2	<100			14		<0.5
E60	BL07994		4	<10	325	350	1	19			<2	1.27	1.3	<10	<2	<100	0.95	11	12	17	<0.5
E61	BL28881		<1	<10	342	400	<1	85			<2	1.93	1.8	<10	5	<100	0.17	19	23	5	<0.5
E61	BL28882		<1	<88	86	<2300	<21	1272			<47	>10	0.9	13	<76	99	0.47	<5	<21	<2	<15
E62	BL28404		13	20	579	820	4	28			3	4.22	6.1	14	5	<100	0.98	23	56	23	0.5
E62	BL28405		19	49	857	1900	3	38			2	5.9	10	18	5	<100	0.75	14	59	21	0.5
E62	BL28403		<1	<10	49	170	6	9			<2	0.25	<0.5	14	7	<100	0.78	61	73	5	<0.5
E62	BL28406			<10		190	5				<2		1.3		4	<100			45		<0.5
E62	BL28407			20		290	9			78	<2		3.3		<2	<100			24		<0.5
E62	BL28767		12	10	112	230	3	22		16	<2	2.95	4	19	4	<100	0.55	30	27	16	<0.5
E63	BL28408			<10		190	5			22	<2		0.7		7	<100			20		<0.5
E64	BL28381		22	35	114	380	4	33			3	4.17	7.2	15	14	<100	1.59	14	98	15	0.6
E64	BL28378		<1	<10	321	550	<1	26			<2	0.35	<0.5	<10	<2	<100	0.21	17	<5	6	<0.5
E64	BL28379		14	14	63	120	<1	29			<2	3.67	4.3	15	<2	<100	1.3	<5	6	2	<0.5
E64	BL28380		9	<10	38	67	<1	9			<2	2.59	3	<10	<2	<100	0.11	<5	<5	<2	<0.5
E64	BL28390		6		71			23				2.14		16			1.63	13		21	
E65	BL28388		11	26	113	170	4	33			3	2.72	4.4	15	7	<100	1.23	53	140	24	<0.5
E65	BL28389		10		102			31				2.74		19			1.57	14		30	
E66	BL28387		9	14	108	240	3	24			3	2.71	4.4	11	9	<100	0.96	36	88	23	<0.5
E66	BL28386		14	18	116	130	3	30			<2	3.28	5	15	4	<100	0.96	10	33	22	<0.5
E67	BL28409			<10		97	2			24	<2		1.2		14	<100			17		<0.5
E68	BL28410		1	<10	227	450	3	13			<2	1.43	1.8	<10	<2	<100	0.46	7	9	11	<0.5
E69	BL07987																				
E69	BL06537		19	18	466	640	<1	71			2	1.32	>10	22	<2	<100	0.64	10	12	20	1.7
E70	BL28934		30	45	245	350	<1	28			<2	>10	>10	24	<2	<100	0.41	6	19	3	<0.5
E71	BL28932		25	42	385	780	<1	24			2	9.5	>10	21	4	<100	0.36	9	17	3	<0.5
E71	BL28933		10		47			25				2.21		1.19				0.69		7	
E71	BL28931		49		68			59				>10		26			0.77	<5		4	
E72	BL28930		<1		197			65				0.85		16			0.78	<5		3	
E73	BL28929																				
E74	BL28928																				
E75	BL28385	0.02																			
E76	BL28751			19		150	2				<2		5.9		3	<100			24		<0.5
E77	BL28391		16	24	41	<50	<1	17			<2	9.97	10	19	3	<100	0.51	<5	10	4	3.7
E77	BL28392		16		54			33				4.53		15			1.08	<5		12	
E78	BL28377		<1	<10	169	260	<1	40			<2	9.96	>10	17	2	<100	0.49	<5	8	4	<0.5
E79	BL28412	0.02																			
E80	BL28766	0.02																			
E81	BL28758	0.02																			
E82	BL28759	0.03	19	23	211	590	<1	47			<2	4.45	5.1	<10	<2	<100	0.16	<5	<5	3	<0.5
E82	BL28760	0.02																			

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Ni ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
E54	BL28831	1.38	730		14	4			0.92	1.2	56	54	52		<2					70	
E55	BL28829	0.64	424		13	<2			0.89	1.1	54	<20	23		<2					86	
E56	BL28883					22				<0.05		<20				90				19	
E57	BL28888															73					
E57	BL28889															459					
E57	BL28890															143					
E58	BL28887															96					
E58	BL28886															428					
E59	BL28884					<2				0.09		200				374				13	
E59	BL28827																				
E59	BL28885	1.69	1089		4	<2			2.28	2	15	<20	8		1309					59	
E60	BL28860					4				<0.05		<20								10	
E60	BL28861					<2				0.11		<20								22	
E60	BL28862					<2				<0.05		<20								36	
E60	BL07994	0.26	96		2	<2			0.09		<5	<20	11		20						
E61	BL28881	0.03	43		3	<2			0.03	<0.05	6	<20	6		1866					18	
E61	BL28882	0.06	38		4	<110			0.09	<0.49	15	<850	4		>10000		10.71			<410	
E62	BL28404	0.7	571		7	<2			0.38	0.52	11	100	78		20					82	
E62	BL28405	0.79	2473		5	3			0.42	0.59	10	110	113		25					67	
E62	BL28403	0.12	32		<1	<2			0.25	0.11	17	<20	4		<2					240	
E62	BL28406					<2				0.08		<20								190	
E62	BL28407					25				0.06		74				20				100	
E62	BL28767	0.74	899		21	<2			2.36	3.2	14	<20	18		19	10				93	
E63	BL28408					<2				<0.05		<20				9				71	
E64	BL28381	0.51	321		3	<2			0.32	0.44	18	<20	47		30					160	
E64	BL28378	0.04	78		25	<2			0.06	<0.05	<5	<20	24		322	334				11	
E64	BL28379	1.05	1086		7	<2			0.37	0.26	9	<20	10		13					150	
E64	BL28380	7.89	2677		3	<2			0.7	0.85	6	<20	7		24					<10	
E64	BL28390	0.56	577		11				0.69		15		29		28						
E65	BL28388	0.67	529		9	<2			0.5	0.64	17	49	44		14					110	
E65	BL28389	0.67	744		10				0.75		13		44		21						
E66	BL28387	0.56	260		6	<2			0.45	0.6	10	50	40		23					68	
E66	BL28386	0.59	633		9	2			0.5	0.65	8	37	50		25					82	
E67	BL28409					<2				<0.05		<20				11				43	
E68	BL28410	0.33	378		2	<2			0.07	0.06	6	20	17		84					60	
E69	BL07987																				
E69	BL06537	0.91	2951		3	6			1.02	0.83	5	49	39		25					19	
E70	BL28934	3.68	1429		<1	<2			1.22	1.3	11	<20	33		37					17	
E71	BL28932	5.75	1350		<1	<2			1	0.93	9	57	53		26					<10	
E71	BL28933	69	311		<1								18		8						
E71	BL28931	6.38	1468		9				1.54		6		48		9						
E72	BL28930	0.09	448		3				3.86		5		4	5	24						39
E73	BL28929													<5							24
E74	BL28928													<5							
E75	BL28385																				52
E76	BL28751					<2				2		<20								140	
E77	BL28391	0.46	8322		5	<2			1.08	1.3	<5	<20	11		20					18	
E77	BL28392	0.78	1272		4				1.3		7		20		15						
E78	BL28377	0.61	117		<1	4			0.99	1.3	11	<20	12		150					30	
E79	BL28412													13							52
E80	BL28766													10							99
E81	BL28758													22							60
E82	BL28759	0.15	454		31	37			0.08	0.06	<5	<20	11	<5	130					<10	<1
E82	BL28760													18							34

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Ti pct ICP	U ppm INAA	V ppm ICP
E54	BL28831	<5	3.2		24	<10	5.4	38	<200		216	<100	<1	<1		86	<20	10	0.33	3	107
E55	BL28829	<5	2.6		15	<10	4.2	32	<200		149	<100	<1	<1		80	<20	9.3	0.42	2.9	138
E56	BL28883		38.8		15	<30	3.3		<420				<1	<1			<72	13		2.6	
E57	BL28888																				
E57	BL28889																				
E57	BL28890																				
E58	BL28887																				
E58	BL28886																				
E59	BL28884		17		40	<10	6		<200				<1	1			<20	6		3.7	
E59	BL28827																				
E59	BL28885	<5	16		15	<10	4.8	21	<200		582	<100	<1	<1		<25	<50	12	0.44	2.6	119
E60	BL28860		1.1		1.7	<10	0.7		<200				<1	<1			<20	1.1		<0.5	
E60	BL28861		1.2		2.3	<10	1.2		<200				<1	<1			<20	2.5		0.6	
E60	BL28862		2.3		7.8	<10	3.1		<200				<1	<1			<20	3.2		1.2	
E60	BL07994	9	0.6		4.3	<10	2	<20	<200		30	<100		<1		<25	<20		0.13		60
E61	BL28881	14	20.8		1.4	<10	2.6	<20	<200		45	<100	<1	<1		<25	<20	8.2	0.19	2.4	15
E61	BL28882	1174	<1250		<16	<460	<1.5	52	<16000		13	<100	<13	<11		<25	<2300	<35	0.12	<23	<2
E62	BL28404	<5	2		16	<10	8.7	<20	<200		45	<100	1	<1		<25	<20	9.1	0.44	2.9	141
E62	BL28405	<5	3.2		22	<10	9.5	26	<200		56	<100	<1	<1		<25	<20	8.2	0.53	3.1	158
E62	BL28403	<5	7.2		2.7	<10	10	<20	<200		46	<100	2	<1		<25	<20	29	0.09	7.5	2
E62	BL28406		3.8		1.9	<10	4.8		<200				2	<1			<20	30		4.9	
E62	BL28407		32.5		12	<10	4.9		<200				<1	<1			<20	8.8		5.8	
E62	BL28767	<5	0.4		11	<10	4.2	<20	<200		522	<100	<1	<1		<25	<20	11	0.25	3	71
E63	BL28408		8.6		5.1	12	4.1		<200				<1	<1			<20	5.7		5.4	
E64	BL28381	<5	6.1		15	<10	10	23	<200		49	<100	2	1	<0.2	<25	<20	20	0.49	5.4	96
E64	BL28378	<5	7.3		<0.5	<10	0.4	<20	<200		17	<100	<1	<1		<25	<20	1.4	<0.01	<0.5	17
E64	BL28379	<5	7.1		25	<10	2.6	<20	<200		210	<100	<1	<1		<25	<20	2.3	0.22	2.7	117
E64	BL28380	<5	4.4		2.6	<10	1.3	<20	<200		242	<100	<1	<1		<25	<20	1.1	0.03	<0.5	24
E64	BL28390	<5						21			54	<100				<25			0.32		91
E65	BL28388	<5	4.5		17	<10	15	25	<200		72	<100	2	1		<25	<20	18	0.42	4.3	126
E65	BL28389	<5						<20			66	<100				<25			0.4		133
E66	BL28387	<5	2.5		14	<10	14	25	<200		60	<100	<1	1		<25	<20	13	0.38	3.5	111
E66	BL28386	<5	3.3		14	<10	4.8	<20	<200		50	<100	<1	<1		<25	<20	8.6	0.28	2.5	109
E67	BL28409		3.3		2.9	<10	3.2		<200				<1	<1			<20	5.5		8	
E68	BL28410	<5	1.9		4.5	<10	1.6	21	<200		46	<100	<1	<1		<25	<20	3.3	0.09	0.8	58
E69	BL07987																				
E69	BL06537	9	0.9		26	<10	3.5	49	<200		165	<100	1	1		<25	<20	1.9	0.72	<1.2	205
E70	BL28934	33	0.3		59.7	<10	5.2	39	<200		951	<100	1	<1		<25	<20	3.8	0.55	2.4	485
E71	BL28932	<5	<0.2		74.2	<10	5.3	29	<200		1004	<100	<1	1		<25	<20	3.7	0.5	1.7	396
E71	BL28933	<5						<20				0.73				<10			0.02		53
E71	BL28931	12						44			553	<100				<25			0.63		474
E72	BL28930	21						<20		1704	1459	<100				<25			0.04		11
E73	BL28929									1970											
E74	BL28928																				
E75	BL28385									948											
E76	BL28751		0.5		21	<10	4.8		<200				<1	<1			<20	6		2.3	
E77	BL28391	<5	0.3		56.6	<10	2.2	<20	<200		50	<100	1	1		<25	<20	2.5	0.45	0.8	205
E77	BL28392	<5						<20			89	<100				<25			0.29		133
E78	BL28377	<5	26.9		16	<10	2.3	25	<200		128	<100	<1	<1		<25	<20	1.2	0.17	0.8	132
E79	BL28412									1125											
E80	BL28766									622											
E81	BL28758									1130											
E82	BL28759	<5	30		1	<10	1	<20	<200	41	39	<100	<1	<1	<0.2	<25	<20	<0.5	0.01	<0.5	19
E82	BL28760									776											

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
E54	BL28831		<20	<2		11		<5	52	220			37	<500							
E55	BL28829		<20	3		7		<5	<2	210			46	<500							
E56	BL28883			6				<5		<200				<500							
E57	BL28888																				
E57	BL28889																				
E57	BL28890																				
E58	BL28887																				
E58	BL28886																				
E59	BL28884			<2				6		360				<500							
E59	BL28827																				
E59	BL28885		<20	<2		20		<5	193	330			83	<500							
E60	BL28860			<2				<5		<200				<500							
E60	BL28861			<2				<5		<200				<500							
E60	BL28862			<2				<5		<200				<500							
E60	BL07994		<20	<2		<5		<5	36	<200			27								
E61	BL28881		<20	<2		7		<5	34	<200			72	<500							
E61	BL28882		<20	<58		<5		<270	759	<7100			27	99							
E62	BL28404		<20	2		6		<5	131	<200			33	<500							
E62	BL28405		<20	<2		6		5	177	250			26	<500							
E62	BL28403		<20	3		14		<5	10	<200			185	<500							
E62	BL28406			<2				<5		<200				<500							
E62	BL28407	32		<2				<5		260				<500							
E62	BL28767		<20	<2		16		<5	75	<200			10	530							
E63	BL28408	25		3				<5		<200				<500							
E64	BL28381		<20	4		<5		5	106	<200			56	540							
E64	BL28378		<20	<2		<5		<5	57	<200			5	<500							
E64	BL28379		<20	<2		12		<5	58	<200			34	<500							
E64	BL28380		<20	<2		<5		<5	32	<200			<5	<500							
E64	BL28390		<20			5			108				49								
E65	BL28388		<20	4		<5		<5	111	<200			53	540							
E65	BL28389		<20			<5			146				61								
E66	BL28387		<20	<2		<5		<5	104	<200			30	<500							
E66	BL28386		<20	<2		<5		<5	112	<200			31	<500							
E67	BL28409	25		<2				<5		<200				610							
E68	BL28410		<20	<2		<5		<5	40	<200			20	<500							
E69	BL07987																				
E69	BL06537		<20	<2		52		<5	84	<200			<5	<500							
E70	BL28934		<20	4		5		<5	74	<200			<5	<500							
E71	BL28932		<20	3		7		<5	59	<200			9	<500							
E71	BL28933		<20						39												
E71	BL28931		<20			8			232				11								
E72	BL28930		<20			<5	<1		979				17		<1						
E73	BL28929						1								34						
E74	BL28928																				
E75	BL28385						1								69						
E76	BL28751			<2				<5		<200				<500							
E77	BL28391		<20	2		21		26	78	330			<5	<500							
E77	BL28392		<20			<5			90				19								
E78	BL28377		<20	<2		<5		<5	68	<200			<5	<500							
E79	BL28412						15								122						
E80	BL28766						21								142						
E81	BL28758						2								128						
E82	BL28759		<20	<2		5	1	<5	82	<200			<5	<500	20						
E82	BL28760						21								173						

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
E54	BL28831														
E55	BL28829														
E56	BL28883														
E57	BL28888														
E57	BL28889														
E57	BL28890														
E58	BL28887														
E58	BL28886														
E59	BL28884														
E59	BL28827														
E59	BL28885														
E60	BL28860														
E60	BL28861														
E60	BL28862														
E60	BL07994														
E61	BL28881														
E61	BL28882														
E62	BL28404														
E62	BL28405														
E62	BL28403														
E62	BL28406														
E62	BL28407														
E62	BL28767														
E63	BL28408														
E64	BL28381														
E64	BL28378														
E64	BL28379														
E64	BL28380														
E64	BL28390														
E65	BL28388														
E65	BL28389														
E66	BL28387														
E66	BL28386														
E67	BL28409														
E68	BL28410														
E69	BL07987														
E69	BL06537														
E70	BL28934														
E71	BL28932														
E71	BL28933														
E71	BL28931														
E72	BL28930	72.78	0.08	15.74	0.55	0.84	1.48	0.06	0.27	2.78	5.25	1.62	0.09	0.63	100.78
E73	BL28929	72.72	0.09	15.49	0.37	0.78	1.24	0.05	0.3	2.78	5.23	1.13	0.06	0.87	99.96
E74	BL28928														
E75	BL28385	72.47	0.05	14.99	0.31	0.23	0.57	0.01	0.08	2.01	5.38	2.49	0.06	0.55	98.67
E76	BL28751														
E77	BL28391														
E77	BL28392														
E78	BL28377														
E79	BL28412	65.84	0.32	16.2	1.45	1.22	2.81	0.07	0.86	3.49	5.5	2.29	0.17	1.01	98.56
E80	BL28766	65.43	0.47	16.47	2.27	2.28	4.8	0.12	1.46	4.47	3.37	2.62	0.21	0.84	100.25
E81	BL28758	63.25	0.29	17.53	1.74	0.52	2.32	0.06	0.59	2.82	6.11	2.87	0.14	2.37	98.35
E82	BL28759	83.97	0.02	1.73	5.12	1.48	6.76	0.06	0.26	3.56	0.1	0.19	<0.03	3.03	99.69
E82	BL28760	62.38	0.44	16.97	2.28	1.35	3.78	0.14	0.98	4.91	4.65	1.59	0.26	2.16	98.27

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
E82	BL28393	Highway Cu	64	04.363	141	52.571	R
E82	BL28394	Highway Cu	64	04.363	141	52.571	R
E82	BL28752	Highway Cu	64	04.363	141	52.571	R
E82	BL28753	Highway Cu	64	04.363	141	52.571	R
E82	BL28754	Highway Cu	64	04.363	141	52.571	R
E82	BL28755	Highway Cu	64	04.363	141	52.571	R
E82	BL28756	Highway Cu	64	04.363	141	52.571	R
E82	BL28395		64	04.230	141	52.501	PC
E82	BL28396	Highway Cu	64	04.230	141	52.501	R
E82	BL28397	Highway Cu	64	04.230	141	52.501	R
E82	BL28398	Highway Cu	64	04.230	141	52.501	R
E82	BL28399	Highway Cu	64	04.230	141	52.501	R
E82	BL28400	Highway Cu	64	04.230	141	52.501	R
E82	BL28757	Highway Cu	64	04.230	141	52.501	R
E83	BL28761	Lost Chicken Cr.	64	04.057	141	54.318	R
E83	BL28413	Lost Chicken Cr.	64	04.048	141	54.234	R
E83	BL28762	Lost Chicken Cr.	64	04.048	141	54.234	R
E84	BL28411		64	03.798	141	55.311	R
E85	BL28401	Purdy	64	06.980	141	56.800	R
E85	BL28402	Purdy	64	06.980	141	56.800	R
E85	BL28763	Purdy	64	06.980	141	56.806	R
E85	BL28764	Purdy	64	06.980	141	56.806	R
E85	BL28765	Purdy	64	06.937	141	56.577	R
E86	BL07946		64	01.069	142	30.521	R
E87	BL06525		64	06.390	142	35.672	PC
E88	BL06594		64	02.400	142	44.947	PC
E88	BL06593		64	02.400	142	44.947	SS
E89	BL07983	Mitchell Cu	64	05.496	143	01.617	R
E89	BL07984	Mitchell Cu	64	05.434	143	01.844	R
E89	BL07982	Mitchell Cu	64	05.433	143	02.152	R
E90	BL07921	Iron Creek	64	04.052	143	12.970	R
E90	BL07922	Iron Creek	64	04.052	143	12.970	R
E90	BL07923	Iron Creek	64	04.052	143	12.970	R
E90	BL07924	Iron Creek	64	04.052	143	12.970	R
E90	BL07925	Iron Creek	64	03.867	143	13.158	R
E91	BL07926		64	03.990	143	13.610	PC
E92	BL07916	Molly Cr. Sb	64	06.122	143	17.993	R
E92	BL07917	Moly Cr. Sb	64	06.072	143	18.029	R
E93	BL07920		64	06.386	143	11.845	PC
E93	BL07918	Eva Creek	64	06.386	143	11.845	R
E93	BL07919	Eva Creek	64	06.386	143	11.845	R
E94	BL07915		64	07.766	143	12.534	R
E95	BL07914		64	07.796	143	10.848	R
E95	BL07913		64	07.691	143	10.506	R
E96	BL07912		64	07.833	143	09.708	PC
E96	BL07911		64	07.833	143	09.708	R
E97	BL07947		64	08.762	142	56.270	R
E98	BL07963	Little Enchilada	64	11.347	142	57.996	R
E98	BL07964	Little Enchilada	64	11.341	142	57.937	R
E98	BL07961	Little Enchilada	64	11.332	142	57.951	R
E98	BL07962	Little Enchilada	64	11.332	142	57.951	R
E99	BL28947	Little Whiteman Cr.	64	13.711	142	49.972	SO
E99	BL28828		64	13.682	142	49.598	R
E99	BL28979	Little Whiteman Cr.	64	13.650	142	49.608	R

Map number	Sample number	Description
E82	BL28393	Epidote-chlorite-altered greenstone with 1% disseminated pyrite-sphalerite-chalcopyrite.
E82	BL28394	Quartz vein in propylitically-altered greenstone with 2-3% total sulfides; pyrite-sphalerite-chalcopyrite.
E82	BL28752	Banded milky-white quartz vein with bands of epidote; two generations of quartz; <1% pyrite and sphalerite(?)
E82	BL28753	Pyritic, quartz-veined greenstone with 1-2% pyrite.
E82	BL28754	Propylitically-altered, brecciated greenstone; carbonate veining with minor chalcopyrite.
E82	BL28755	Quartz vein with 1% pyrite and epidote alteration along vein margins in greenstone; vein width is 3.7 cm.
E82	BL28756	Coarse-grained white carbonate vein in greenstone; vein width is 0.5 - 2.5 cm.
E82	BL28395	Panned concentrate of white clay bed in suction dredge cut
E82	BL28396	4-5cm-wide pegmatite vein with 1-2% pyrite-chalcopyrite.
E82	BL28397	Selvages and gouge from shear in left fork of adit.
E82	BL28398	Orange fault gouge adjacent to malachite-stained quartz vein (sample BL28399)
E82	BL28399	Malachite-stained quartz vein .
E82	BL28400	Quartz vein with propylitically-altered selvage and trace sulfide.
E82	BL28757	Vuggy quartz vein with 1% pyrite-tetrahedrite-chalcopyrite-sphalerite; multiple generations of quartz.
E83	BL28761	Coarse-grained carbonate vein in greenstone; vein width is 8 cm.
E83	BL28413	Massive, 8 cm thick, coarse-grained, white carbonate vein in sheared diorite.
E83	BL28762	Foliated quartz monzodiorite.
E84	BL28411	Fine- to medium-grained, equigranular biotite-hornblende granodiorite
E85	BL28401	Carbonate veins with pyrite and minor chalcopyrite in quartz-mica schist; minor chlorite rossettes along selvages.
E85	BL28402	Pyrite-tetrahedrite-chalcopyrite in poly-carbonate vein.
E85	BL28763	Quartz-chlorite altered schistose rock with 1% pyrite and chalcopyrite in irregular quartz veining.
E85	BL28764	Biotite-hornblende, pink K-feldspar-phyric adamellite
E85	BL28765	Biotite-hornblende, white K-feldspar-phyric adamellite
E86	BL07946	Magnetite-bearing amphibolite found as roof pendant in Mt. Taylor batholith.
E87	BL06525	Panned concentrate.
E88	BL06594	Panned concentrate.
E88	BL06593	Stream sediment.
E89	BL07983	Massive wad-geothite gossan with minor Cu-staining.
E89	BL07984	Garnet skarn with up to 5% bornite.
E89	BL07982	Disseminated to semi-massive bornite(10%) in greenish garnet skarn.
E90	BL07921	Select of massive magnetite with minor epidote.
E90	BL07922	Fine-grained, green amphibolite with 5% disseminated pyrite.
E90	BL07923	Epidote altered, silicified greenstone. This sample was not analyzed.
E90	BL07924	Select of malachite, azurite-stained magnetite skarn.
E90	BL07925	Calcareous biotite gneiss which has been partially altered to chlorite-epidote. 5% knots of pyrite and magnetite are found with coarser epidote.
E91	BL07926	Panned concentrate.
E92	BL07916	Select of massive stibnite in marble.
E92	BL07917	Boxwork gossan in carbonate.
E93	BL07920	Panned concentrate of gossany soil from trench bottom.
E93	BL07918	Select of galena(50%), tetrahedrite(5%) in calcareous, boxwork gossan.
E93	BL07919	Epidote veining and alteration of biotite-chlorite-feldspar schist.
E94	BL07915	Galena in boxwork gossan associated with marble and carbonate veins.
E95	BL07914	Sulfidic biotite-amphibole schist. Total sulfides 5%: pyrrhotite, pyrite, (chalcopyrite).
E95	BL07913	Amphibole gneiss.
E96	BL07912	Panned concentrate.
E96	BL07911	Ultramafic with magnetite and trace pyrrhotite.
E97	BL07947	Pyritic (7%) greenstone; Pzg.
E98	BL07963	Fine-grained, equigranular, biotite granite with very minor pyrrhotite.
E98	BL07964	Heavily quartz-veined and altered biotite granite.
E98	BL07961	Crackle-breccia of fine-grained granite, open spaces have Fe-Mn staining and 2-4mm sized grains of euhedral white-pale green fluorite.
E98	BL07962	10-12cm wide, banded quartz veins in sericitically-altered fine-grained, equigranular granite. Contains trace of molybdenite in quartz veins.
E99	BL28947	Soil sample.
E99	BL28828	White to orange-brown metasediment, exhibits micro-crackle breccia.
E99	BL28979	Sparry calcite vein in metavolcanic.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
E82	BL28393	<0.5	<5			6.77	54	7	<5			412	270		11		<1	1.22	<2	<10	28
E82	BL28394	3.8	<5			5.64	<5	18	7			421	360		8		<1	1.36	15.9	36	22
E82	BL28752		<5					9	23				250				<1			<10	19
E82	BL28753		<5					36	180				240			2	<1			<10	<10
E82	BL28754	8.5	<5			1.93	<5	26	18			99	110		28		<1	>10	<2	<10	68
E82	BL28755		<5					50	25				<100				<1			<10	<10
E82	BL28756		12					29	6				<100				<1			<10	<10
E82	BL28395	34.7	49			1.47	411	504	290			160	860		34	<1	<14	1.62	21.6	24	42
E82	BL28396	13.5	<5	<0.02		4.23	<5	4	<5			197	140		14		<1	3	<2	<10	<10
E82	BL28397	41.6	25	0.84		4.29	490	1210	1430			234	170		36	<1	4	6.97	43	92	27
E82	BL28398	>50	150	4.69		4.5	1460	2150	1090			257	500		27	<1	<15	1.09	<2	<35	<10
E82	BL28399	>50	>300	31.03		0.24	562	1080	2160			35	<370		15	<1	<11	1.22	46.7	<94	<36
E82	BL28400	3	6			4.36	22	10	9			223	210		10		<1	2.59	<2	<10	<10
E82	BL28757	>50	>300	16.36		0.47	500	1160	2130			81	<490		11	<1	<15	1.59	92.5	<130	<48
E83	BL28761	2.1	<5			0.48	17	<1	<5			71	<100		10		<1	>10	<2	<10	13
E83	BL28413		<5					2	<5				<100				<1			<10	<10
E83	BL28762													1231							
E84	BL28411																				
E85	BL28401	<0.5	<5	0.06		5.65	<5	26	11			1500	1800		40		<1	8.5	<2	<10	81
E85	BL28402	27.3	24	0.72		0.61	<5	85	<34			43	<370		38		<4	>10	<2	<46	<40
E85	BL28763	5.9	<5			3.28	>2000	3920	1380			376	440		8	10	9	1.86	<2	<29	<29
E85	BL28764													2057							
E85	BL28765													2055							
E86	BL07946													581							
E87	BL06525	<0.5	<5			2.37	<5	5	270			583	660		40	<1	<1	4.13	<2	<10	57
E88	BL06594	<0.5	<5			1.33	<5	4	32			704	750		12		<1	4.77	<2	<10	140
E88	BL06593	<0.2				2.34	<5					174			6			1.51	<1		
E89	BL07983	>50	140	3.02		2.16	>2000	2360	350			136	300		365		<53	0.33	102.3	140	<36
E89	BL07984	5.1	8			2.5	<5	56	13			329	350		336		1	>10	<2	<10	<10
E89	BL07982	>50	230	5.57		0.83	<5	53	1020			38	<100		>2000	0.206	2	>10	<2	<10	31
E90	BL07921	26.4	62			0.43	<5	35	<5			213	170		245		15	0.83	33.9	33	<10
E90	BL07922	<0.5	<5			0.94	36	133	<5			109	290		44		15	>10	<2	<10	<10
E90	BL07923																				
E90	BL07924	26.7	34			1.56	149	250	170			83	<100		1191		5	>10	<2	<10	15
E90	BL07925		<5					23	<5				460				9			<10	46
E91	BL07926	<0.5	<5			2.4	23	39	18			613	660		13		2	4.52	<2	<10	82
E92	BL07916			0.1						<0.001											
E92	BL07917	9.6		0.24		0.97	761			0.001		212			<5			0.14	18.6		
E93	BL07920	>50	230	8.16		2.16	111	177	31			404	390		86		<38	5.42	712	810	<37
E93	BL07918	2.1		0.11		1.84	23			<0.001		48			<5			1.01	<2		
E93	BL07919		>300	32.38				126	65				<420				<42			920	<83
E94	BL07915	>50	>300	9.44		0.44	105	60	724	0.026		34	<230		127	<1	<26	0.44	1214.2	1490	<37
E95	BL07914	<0.5	<5			2.5	19	3	<5			842	860		15		<1	3.97	<2	<10	22
E95	BL07913		6					2	5				400				<1			<10	11
E96	BL07912	<0.5				1.39	<5				12	178			24			1.64	<2		
E96	BL07911	<0.5				0.63	52				<1	89			34			0.44	<2		
E97	BL07947		<5	2.81				13	<5	0.156			170		5		<1			<10	31
E98	BL07963													1863							
E98	BL07964	2.1	<5			1.44	5	27	11			160	150		<5		<1	0.03	2.2	<10	18
E98	BL07961	<0.5	<5			2.58	28	22	<5			1388	1900		<5		1	0.4	<2	<10	48
E98	BL07962	<0.5	<5			1.81	24	9	<5			585	820		<5		<1	0.15	<2	<10	<10
E99	BL28947	0.6				2.93	50					782			13			0.91	<2		
E99	BL28828	<0.5	<5			2.66	<5	10	<5			840	980		<5		<1	0.41	<2	<10	22
E99	BL28979		<5					23	<5				190				<1			<10	22

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
E82	BL28393		2	<10	119	200	<1	14			<2	1.79	2	18	3	<100	0.45	14	15	2	<0.5
E82	BL28394		4	<10	148	260	<1	116			<2	1.79	1.9	13	<2	<100	0.42	9	10	5	<0.5
E82	BL28752			13		280	<1				2		2.1		2	<100			8		<0.5
E82	BL28753			46		200	<1				<2		5.6		<2	<100			7		<0.5
E82	BL28754		7	14	15	<50	<1	3226		3885	6	3.3	4.4	17	<2	<100	0.17	9	16	3	1.8
E82	BL28755			25		400	<1			843	<2		2.5		<2	<100			<5		<0.5
E82	BL28756			43		95	<1				<2		4.3		<2	<100			<5		<0.5
E82	BL28395		16	27	36	55	3	405			<2	4.6	6.8	17	3	<100	1.01	<5	16	10	0.6
E82	BL28396		8	<10	140	260	<1	41			<2	1.4	1.5	12	<2	<100	0.38	<5	<5	4	<0.5
E82	BL28397		23	30	87	210	4	574			<2	4.87	5.9	16	<2	<100	0.63	<5	7	15	0.7
E82	BL28398		<1	<10	126	140	19	135			<2	10	>10	19	<2	<100	0.59	<5	7	7	0.7
E82	BL28399		<1	<10	284	<350	<1	1235			<8	0.78	0.6	<10	<5	<100	0.04	<5	9	27	<1
E82	BL28400		3	<10	140	230	<1	23			<2	1.01	1.3	11	<2	<100	0.33	<5	<5	3	<0.5
E82	BL28757		8	<10	398	<510	<2	3737		4450	<11	1.43	<0.5	<10	<7	<100	0.15	17	<5	40	<1.3
E83	BL28761		7	<10	5	<50	<1	3			<2	0.11	<0.5	<10	<2	<100	0.07	<5	8	<2	<0.5
E83	BL28413			<10		<50	<1				<2		<0.5		<2	<100			8		<0.5
E83	BL28762																				
E84	BL28411	0.02																			
E85	BL28401		13	18	21	<50	1	209			5	4.96	6	22	4	<100	0.53	25	34	14	<0.5
E85	BL28402		7	<10	31	<150	<1	1295			<8	4.56	6.2	<10	<6	<100	0.24	6	12	<2	<0.5
E85	BL28763		17	<10	417	660	<1	789		781	<5	9.52	>10	15	<4	<100	0.59	14	22	13	<0.5
E85	BL28764	0.02																			
E85	BL28765	0.02																			
E86	BL07946																				
E87	BL06525		32	29	467	630	<1	11			3	<0.01	>10	41	15	<100	0.99	17	29	9	1.1
E88	BL06594		11	17	199	220	<1	25			3	3.09	7.4	24	25	<100	0.75	46	60	6	1.3
E88	BL06593		14		248			30				3.56					0.18	16			
E89	BL07983		6	<10	118	230	4	3295	0.31		<2	<0.01	>10	31	<2	<100	0.53	<5	<5	120	<0.5
E89	BL07984		39	53	73	65	<1	3162	0.26		<2	<0.01	>10	33	2	<100	0.06	7	10	7	<0.5
E89	BL07982		11	11	95	98	<1	>20000	6.48		3	<0.01	>10	44	<2	<100	0.01	<5	9	<2	<0.5
E90	BL07921	<0.01	42	12	40	<50	<1	53			2	<0.01	>10	109	<2	<100	0.12	<5	<5	2	<0.5
E90	BL07922		28	31	46	<50	<1	148			<2	<0.01	>10	27	<2	<100	0.02	<5	<5	5	<0.5
E90	BL07923																				
E90	BL07924		69	91	65	76	<1	1911	0.18		<2	<0.01	>10	32	<2	<100	0.02	7	16	5	<0.5
E90	BL07925			<10		220	<1				<2		1.9		5	<100			30		<0.5
E91	BL07926		14	32	321	370	2	43			2	2.61	>10	23	10	<100	0.75	28	49	20	0.5
E92	BL07916									10											
E92	BL07917		3		262			25				1.55		<10			0.27	<5		62	
E93	BL07920		16	24	194	160	<1	987			<2	3.01	5.3	22	<2	<100	0.65	25	36	7	<0.5
E93	BL07918		7		127			10				1.34		<10			0.64	<5		<2	
E93	BL07919			<10		<230	<2		0.18				<0.5			<250			<5		<1.6
E94	BL07915		3	<10	70	<120	<1	571			<2	1.16	0.7	<10	<2	<100	0.1	<5	<5	11	<0.7
E95	BL07914		19	23	95	110	<1	57			<2	2.53	6.8	28	3	<100	1.2	5	16	6	<0.5
E95	BL07913			<10		120	<1				<2		0.8		4	<100			6		<0.5
E96	BL07912		89		3748			11				1.38		18			0.15	<5		5	
E96	BL07911		101		965			5				2.5		15			0.05	<5		<2	
E97	BL07947			40		58	1				<2		8.5		3	<100			10		0.8
E98	BL07963																				
E98	BL07964		3	<10	255	340	2	59			<2	1.12	1.2	<10	<2	<100	0.52	8	9	15	<0.5
E98	BL07961		8	<10	151	180	4	83			<2	1.16	1.4	<10	3	<100	1.3	22	23	149	<0.5
E98	BL07962		3	<10	234	320	1	32			<2	0.65	0.8	30	<2	<100	1.06	<5	<5	11	<0.5
E99	BL28947		14		61			31				2.59		15			0.79	15		21	
E99	BL28828		<1	<10	78	110	<1	34			<2	1.2	1.8	<10	4	<100	1.21	7	12	11	0.6
E99	BL28979			<10		130	<1			108	<2		2.8		4	<100			13		0.6

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Nl ppm INAA	Nl ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
E82	BL28393	0.52	807		5	<2			3.56	3.8	7	<20	5		47					<10	
E82	BL28394	0.42	561		3	<2			2.78	3.2	5	25	4		1549					<10	
E82	BL28752					<2				2.4		<20								34	
E82	BL28753					8				<0.05		<20								34	
E82	BL28754	1.06	3788		<1	<2			0.56	0.72	13	<20	9		<2	7				<10	
E82	BL28755					<2				1		<20				14				<10	
E82	BL28756					<2				1.1		<20								<10	
E82	BL28395	0.49	1348		11	7			0.95	1.3	8	<20	15		5186					85	
E82	BL28396	0.34	480		11	11			2.57	3	7	<20	7		<2					<10	
E82	BL28397	1.26	4177		6	7			0.43	0.47	10	<20	26		710					71	
E82	BL28398	0.47	470		4	5			0.6	<1.5	13	<20	5		2370					100	
E82	BL28399	0.03	448		4	<11			0.06	<4	<5	<69	5		>10000		1.41			<51	
E82	BL28400	0.26	398		2	7			3	4	<5	<20	6		22					39	
E82	BL28757	0.06	1050		30	<20			0.06	<5.8	<5	<97	26		>10000	9420	1.47			<68	
E83	BL28761	0.03	2326		<1	<2			0.15	0.14	<5	<20	2		<2					<10	
E83	BL28413					<2				0.06		<20								<10	
E83	BL28762													10							45
E84	BL28411								1.76	2.1	33	<20	7		4					71	
E85	BL28401	1.34	1143		<1	<2			0.05	<0.11	8	<80	10		25					<50	
E85	BL28402	3.01	3312		<1	<6			0.16	0.12	14	<60	26		144	142				75	
E85	BL28763	0.5	2808		<1	<4								17							125
E85	BL28764													13							70
E85	BL28765													5							4
E86	BL07946																			22	
E87	BL06525	1.54	1325		<1	<2			1.94	1.5	<5	<20	36		39					30	
E88	BL06594	1.3	1312		<1	<2			2.63	2.5	58	<20	18		21						
E88	BL06593	0.81	720		4				0.14				27		8						
E89	BL07983	0.19	649		117	110			0.05	<0.05	<5	94	12		>10000		1.16			68	
E89	BL07984	1.75	6923		5	<2			0.23	0.1	<5	<20	30		242					<10	
E89	BL07982	0.78	2531		<1	<2			0.05	<0.05	111	69	42		178					<10	
E90	BL07921	0.24	1233		<1	<2			0.39	<0.05	<5	<20	14		>		2.02			<10	
E90	BL07922	2.58	10189		<1	4			0.08	0.11	<5	<20	17		168					<10	
E90	BL07923																			<10	
E90	BL07924	2.1	8359		<1	13			0.11	0.09	<5	46	32		1567					53	
E90	BL07925					3				3.4		35								32	
E91	BL07926	2.09	1570		<1	<2			1.55	1.6	10	69	67		143						
E92	BL07916															424					
E92	BL07917	0.1	712		<1				0.08		<5		10		9319					59	
E93	BL07920	2.72	4813		89	<4			0.61	0.84	29	<59	29		>10000		6.56				
E93	BL07918	0.62	68		<1				1.89		<5		3		549		0.22				
E93	BL07919									<0.15		<87								<41	
E94	BL07915	0.25	872		118	<4			0.04	<0.05	<5	<65	6		>10000		39.54			<26	
E95	BL07914	1.45	652		<1	<2			4.31	3.7	13	<20	28		54					33	
E95	BL07913					<2				4.9		<20								<10	
E96	BL07912	10	1241		<1				0.24		<5		1682		20			3	<5		
E96	BL07911	10	882		3				0.14		<5		2213		35			2	<5		
E97	BL07947					<2				3.6		<20					0.4			<10	
E98	BL07963													15							152
E98	BL07964	0.1	415		243	232			0.04	<0.05	<5	<20	8		731					61	
E98	BL07961	0.38	282		41	45			0.47	0.43	10	<20	10		72					130	
E98	BL07962	0.14	143		3087	3160			0.13	0.11	<5	<20	12		56					77	
E99	BL28947	0.75	663		6				1.24		6		21		139						
E99	BL28828	0.17	379		<1	<2			4.03	2.3	<5	<20	5		12					40	
E99	BL28979					<2				4.7		<20				40				<10	

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Ti pct ICP	U ppm INAA	V ppm ICP
E82	BL28393	<5	1.5		4.2	<10	3.2	<20	<200		295	<100	<1	<1		<25	<20	2.4	0.13	0.8	20
E82	BL28394	<5	2.6		2.8	<10	2.2	21	<200		178	<100	<1	<1		<25	<20	1.6	0.09	0.6	24
E82	BL28752		2.1		3.2	<10	2		<200				<1	<1			<20	1.2		0.7	
E82	BL28753		2.7		12	<10	3.3		<200				<1	<1			<20	<0.5		<0.5	
E82	BL28754	<5	1.5		34	<10	15	<20	<200		245	<100	<1	3		<25	<20	<0.5	0.31	<0.5	117
E82	BL28755		2		1.2	<10	0.9		<200				<1	<1			<20	<0.5		<0.5	
E82	BL28756		2.6		14	<10	2.6		<200				<1	<1			<20	<0.5		<0.5	
E82	BL28395	146	170		15	<10	3.8	<20	<200		63	<100	<1	<1	5.7	<25	<20	3.9	0.48	1.2	115
E82	BL28396	<5	11		3	<10	1.4	<20	<200		130	<100	<1	<1		<25	<20	8.3	0.08	1.8	35
E82	BL28397	<5	102		24	<10	4.1	<20	<200		118	<100	<1	<1	1	<25	<20	<0.5	0.59	<0.5	185
E82	BL28398	<5	821		30	<10	2.7	<20	<200		212	<100	<1	<1	5.1	<25	<49	<1	0.72	<1.1	288
E82	BL28399	<5	2190		<0.5	<21	0.3	<20	<970		29	<100	<1	<1	5.7	<25	<140	<2.3	0.01	<3.1	8
E82	BL28400	<5	4.8		2.4	<10	0.8	<20	<200		127	<100	<1	<1		<25	<20	3.6	0.06	0.7	35
E82	BL28757	<5	3260		<0.5	<29	<0.2	30	<1300		44	<100	<1	<1	18.5	<25	<190	<3.1	0.02	<4.2	22
E83	BL28761	<5	0.5		<0.5	<10	2	<20	<200		141	<100	<1	<1		<25	<20	<0.5	<0.01	0.8	30
E83	BL28413		0.8		<0.5	<10	1.2		<200				<1	<1			<20	<0.5		<0.5	
E83	BL28762									816											
E84	BL28411																				
E85	BL28401	<5	11		17	<10	10	37	<200		574	<100	2	1		<25	<20	1.6	1.23	1.3	143
E85	BL28402	<5	1120		4.3	<25	3.4	<20	<1200		150	<100	2	<1		<25	<130	4.3	0.08	<1.6	40
E85	BL28763	<5	224		9.4	<10	3.4	<20	<650		60	<100	<1	<1	2.9	<25	<96	8	0.27	1.5	71
E85	BL28764									616											
E85	BL28765									298											
E86	BL07946									456											
E87	BL06525	<5	1.1		22	<10	10	38	<200		538	<100	2	2	<0.2	<25	<20	5.6	0.93	2.8	487
E88	BL06594	<5	1		18	<10	15	<20	<200		688	<100	7	2		<25	<20	10	1.31	4.9	215
E88	BL06593	<5						<20			88					<10					103
E89	BL07983	413	612		4.6	<22	0.8	28	<540		16	<100	<1	<1	0.9	<25	<63	<1.8	0.1	<1.2	58
E89	BL07984	38	11		16	<10	2.1	32	<200		521	<100	<1	<1		<25	<20	2.4	0.27	2.1	113
E89	BL07982	<5	5.6		<0.5	53	2.7	36	<200		17	<100	<1	<1	8.5	<25	<20	<0.5	0.02	6	31
E90	BL07921	277	169		0.6	<10	0.2	<20	<200		34	<100	<1	<1		<25	<20	<0.5	<0.01	2	8
E90	BL07922	131	211		3	<10	1.1	<20	<200		384	<100	<1	<1		<25	<20	<0.5	0.06	4.7	25
E90	BL07923																				
E90	BL07924	54	35.1		4.1	<10	1.6	<20	<200		118	<100	<1	<1		<25	<20	1	0.07	7.3	29
E90	BL07925		153		5.9	<10	3.6		<200				2	<1			<20	13		3.1	
E91	BL07926	<5	5.8		22	<10	7	<20	<200		417	<100	2	1		<25	<20	13	0.46	4.1	192
E92	BL07916			37.65																	
E92	BL07917	521						<20			33	<100				<25			0.02		13
E93	BL07920	313	573		14	<10	5.1	73	<440		523	<100	<2	<1		<25	<51	3.8	0.83	<1.3	157
E93	BL07918	>2000						<20			123	<100				<25			0.08		10
E93	BL07919		896		<1.2	<40	<0.2		<890				<1	<1			<140	<2.9		<1.9	
E94	BL07915	140	481		<0.5	<10	<0.2	78	<450		45	<100	<1	<1	<0.2	<25	<61	<1.9	0.02	2.8	5
E95	BL07914	8	9.3		23	<10	5.4	<20	<200		1211	<100	<1	<1		<25	<20	2.8	0.43	1.6	169
E95	BL07913		3.2		5.5	<10	2.2		<200				<1	<1			<20	2		1.2	
E96	BL07912	<5						28			59	<100				<25			0.16		239
E96	BL07911	<5						<20			6	<100				<25			<0.01		31
E97	BL07947		7.8		35	<10	4.4		<200				<1	<1			<20	1.5		<0.5	
E98	BL07963									622											
E98	BL07964	8	5.3		1.3	<10	1.1	<20	<200		9	<100	<1	<1		<25	<20	3.5	0.05	2.1	9
E98	BL07961	<5	11		3.9	<10	2.4	<20	<200		176	<100	<1	<1		<25	<20	11	0.12	2	29
E98	BL07962	20	9		1.5	<10	0.9	<20	<200		49	<100	<1	1		<25	<20	4.7	0.06	<0.5	10
E99	BL28947	<5						<20			194	<100				<25			0.3		88
E99	BL28828	<5	1.8		8.4	<10	3.7	<20	<200		61	<100	<1	<1		<25	<20	3.2	0.13	1.4	21
E99	BL28979		0.6		13	<10	4.5		<200				<1	<1			<20	3.8		1.6	

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
E82	BL28393		<20	<2		10		<5	68	<200			8	<500							
E82	BL28394		<20	<2		6		<5	1663	1900			5	<500							
E82	BL28752			2				<5		<200				<500							
E82	BL28753			18				<5		<200				<500							
E82	BL28754		<20	<2		69		13	74	<200			<5	<500							
E82	BL28755			<2				<5		<200				<500							
E82	BL28756			<2				<5		<200				<500							
E82	BL28395		<20	<2		<5		8	2635	3300			<5	<500							
E82	BL28396		<20	<2		<5		<5	28	<200			21	<500							
E82	BL28397		<20	3		19		8	3892	4400			<5	<500							
E82	BL28398		<20	<15		<5		<10	443	610			<5	540							
E82	BL28399		<20	<49		<5		<14	1129	1100			<5	<1200							
E82	BL28400		<20	<2		<5		<5	29	<200			22	<500							
E82	BL28757		<20	<64		5		<44	5852	5100			<5	<1700							
E83	BL28761		<20	<2		<5		<5	<2	<200			<5	<500							
E83	BL28413			<2				<5		<200				<500							
E83	BL28762																				
E84	BL28411						20								159						
E85	BL28401		<20	3		16		<5	39	<200			16	<500							
E85	BL28402		<20	<4		6		<22	301	<410			<5	<1300							
E85	BL28763		<20	16		6		15	181	<200			5	<1100							
E85	BL28764						25								159						
E85	BL28765						27								89						
E86	BL07946						13								26						
E87	BL06525		<20	<2		25		<5	138	<200			8	<500							
E88	BL06594		<20	3		42		9	73	<200			21	1500							
E88	BL06593		<20			11			59												
E89	BL07983		<20	<11		<5		<11	5978	6400			<5	<500							
E89	BL07984		<20	13		<5		<5	1283	1400			19	<500							
E89	BL07982		<20	<2		8		<5	208	<200			106	<500							
E90	BL07921		<20	31		<5		<5	2813	3200			<5	<500							
E90	BL07922		<20	16		<5		<5	280	310			<5	<500							
E90	BL07923																				
E90	BL07924		79	150		6		<5	493	550			12	<500							
E90	BL07925			3				5		<200				<500							
E91	BL07926		<20	19		15		<5	309	300			5	610							
E92	BL07916											150									
E92	BL07917		<20			<5			2166				<5								
E93	BL07920		<20	<6		13		<15	>20000	>30000	8.21		<5	<500							
E93	BL07918		<20			<5			39				20								
E93	BL07919			<10				<22		>30000	9.47			<1800							
E94	BL07915		144	<5		<5		<5	>20000	>30000	13.47		<5	<1100							
E95	BL07914		<20	<2		13		<5	124	<200			<5	<500							
E95	BL07913			6				<5		<200				<500							
E96	BL07912		<20			<5			111				<5								
E96	BL07911		<20			<5			51				<5								
E97	BL07947			<2				<5		200				<500							
E98	BL07963						13								196						
E98	BL07964		<20	3		<5		<5	189	<200			<5	<500							
E98	BL07961		<20	4		<5		<5	168	<200			<5	<500							
E98	BL07962		<20	6		<5		<5	37	<200			<5	<500							
E99	BL28947		<20			8			221				48								
E99	BL28828		<20	<2		7		<5	40	<200			38	<500							
E99	BL28979			<2				6		<200				<500							

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
E82	BL28393														
E82	BL28394														
E82	BL28752														
E82	BL28753														
E82	BL28754														
E82	BL28755														
E82	BL28756														
E82	BL28395														
E82	BL28396														
E82	BL28397														
E82	BL28398														
E82	BL28399														
E82	BL28400														
E82	BL28757														
E83	BL28761														
E83	BL28413														
E83	BL28762														
E84	BL28411	64.93	0.43	17.71	2.21	1.48	3.85	0.1	0.99	5.14	4.66	1.62	0.22	0.91	100.56
E85	BL28401														
E85	BL28402														
E85	BL28763														
E85	BL28764	65.56	0.6	14.23	2.12	2.77	5.2	0.1	1.92	3.95	2.39	4.16	0.33	0.91	99.35
E85	BL28765	64.73	0.62	14.31	2.52	2.77	5.6	0.1	2.08	3.89	2.58	4.24	0.32	1.22	99.68
E86	BL07946	37.61	1.89	15.16	12.85	9.21	23.09	0.27	5.26	10.52	1.4	0.69	0.15	5.14	101.19
E87	BL06525														
E88	BL06594														
E88	BL06593														
E89	BL07983														
E89	BL07984														
E89	BL07982														
E90	BL07921														
E90	BL07922														
E90	BL07923														
E90	BL07924														
E90	BL07925														
E91	BL07926														
E92	BL07916														
E92	BL07917														
E93	BL07920														
E93	BL07918														
E93	BL07919														
E94	BL07915														
E95	BL07914														
E95	BL07913														
E96	BL07912														
E96	BL07911														
E97	BL07947														
E98	BL07963	68.86	0.42	14.24	0.67	2.21	3.13	0.03	0.96	2.34	2.96	4.61	0.15	1.45	99.16
E98	BL07964														
E98	BL07961														
E98	BL07962														
E99	BL28947														
E99	BL28828														
E99	BL28979														

Map number	Sample number	Prospect	Latitude		Longitude		Type
			Degrees	Minutes	Degrees	Minutes	
E99	BL28949	Little Whiteman Cr.	64	13.647	142	50.146	SO
E99	BL28940	Little Whiteman Cr.	64	13.639	142	49.804	R
E99	BL28939	Little Whiteman Cr.	64	13.635	142	49.612	R
E99	BL28941	Little Whiteman Cr.	64	13.624	142	49.685	R
E99	BL28942	Little Whiteman Cr.	64	13.624	142	49.685	SO
E99	BL28943	Little Whiteman Cr.	64	13.601	142	49.633	R
E99	BL28946	Little Whiteman Cr.	64	13.594	142	49.751	R
E99	BL28945	Little Whiteman Cr.	64	13.587	142	49.757	R
E99	BL28948	Little Whiteman Cr.	64	13.577	142	50.094	SO
E99	BL28944	Little Whiteman Cr.	64	13.559	142	49.756	R
E99	BL28950	Little Whiteman Cr.	64	13.517	142	49.962	SO
E100	BL28982	Little Whiteman Cr.	64	13.914	142	49.540	R
E100	BL28983	Little Whiteman Cr.	64	13.914	142	49.540	R
E100	BL28981	Little Whiteman Cr.	64	13.902	142	49.547	R
E100	BL28836		64	13.876	142	49.564	R
E100	BL28835		64	13.842	142	49.507	R
E100	BL28980	Little Whiteman Cr.	64	13.749	142	49.526	R
E101	BL28985	Fish Creek	64	15.467	142	41.934	R
E101	BL28986	Fish Creek	64	15.467	142	41.934	R
E101	BL28854	Fish Creek	64	15.444	142	42.098	R
E101	BL28855	Fish Creek	64	15.444	142	42.098	R
E101	BL28951	Fish Creek	64	15.421	142	42.204	R
E101	BL28984	Fish Creek	64	15.421	142	42.204	R
E101	BL28837	Fish Creek	64	15.421	142	42.204	R
E102	BL28856		64	15.725	142	53.336	R
E102	BL28857		64	15.703	142	53.267	R
E103	BL28866		64	15.854	142	54.123	R
E104	BL28989		64	15.636	142	55.271	PC
E104	BL28988		64	15.636	142	55.271	SS
E105	BL28990		64	15.570	142	56.227	R
E106	BL28991		64	15.247	142	57.100	PC
E107	BL07995	Mt. Veta Moly	64	13.989	143	00.332	R
E108	BL07997	Mt. Veta Moly	64	14.001	143	00.889	R
E108	BL07998	Mt. Veta Moly	64	14.001	143	00.889	R
E108	BL07996	Mt. Veta Moly	64	13.999	143	00.812	R
E108	BL07999	Mt. Veta Moly	64	13.979	143	00.984	R
E108	BL28840	Mt. Veta Moly	64	13.946	143	00.883	R
E108	BL08000	Mt. Veta Moly	64	13.916	143	00.926	R
E109	BL07960	Mt. Veta Moly	64	13.763	143	01.077	R
E110	BL07981	Oscar Skarn B	64	14.215	143	05.347	R
E111	BL07970	Oscar Skarn-B	64	14.041	143	05.469	R
E111	BL07972	Oscar Skarn-B	64	14.041	143	05.404	R
E111	BL07971	Oscar Skarn-B	64	14.024	143	05.449	R
E111	BL07969	Oscar Skarn-A	64	13.894	143	05.465	R
E111	BL07968	Oscar Skarn-A	64	13.852	143	05.586	R
E111	BL07967	Oscar Skarn-A	64	13.810	143	05.495	R
E112	BL07965	Oscar Skarn-E	64	13.962	143	06.154	R
E112	BL07966	Oscar Skarn-E	64	13.892	143	06.172	R
E113	BL07980	Oscar Skarn	64	14.648	143	06.296	R
E113	BL07979	Oscar Skarn-G	64	14.642	143	06.267	R
E114	BL07973	Oscar Skarn-H	64	15.378	143	07.010	R
E114	BL07974	Oscar Skarn-H	64	15.255	143	07.440	R
E115	BL07975	Oscar Skarn-H	64	15.054	143	07.496	R
E115	BL07976	Oscar Skarn-H	64	15.041	143	07.883	R

Map number	Sample number	Description
E99	BL28949	Soil sample.
E99	BL28940	Random chip of quartz-veined argillite with minor boxwork limonite.
E99	BL28939	Milky-white quartz-veined argillite.
E99	BL28941	Brecciated hornfels with chlorite matrix.
E99	BL28942	Soil sample.
E99	BL28943	Quartz-veined hornfels with trace oxidized pyrite in vein.
E99	BL28946	Random chip of quartz-veined phyllite.
E99	BL28945	Random chip of quartz-veined phyllite.
E99	BL28948	Soil sample.
E99	BL28944	Gray-green, biotite-hornblende felsic dike.
E99	BL28950	Soil sample.
E100	BL28982	Gossany breccia.
E100	BL28983	MnO2 coated gossan.
E100	BL28981	Siliceous hornfels cut by hairline veins coated with limonite.
E100	BL28836	Gossany quartz-carbonate vein.
E100	BL28835	Fe-oxide stained quartz vein with sulfides.
E100	BL28980	Brecciated metavolcanic re-cemented by quartz.
E101	BL28985	Pyritic(5%) biotite-quartz-feldspar hornfels.
E101	BL28986	Altered phase of lineated hornblende-bearing intrusive. Hornblende is altered to epidote-chlorite.
E101	BL28854	0.7m continuous chip across silicified, brecciated, limonite-coated fault zone.
E101	BL28855	Altered green grey, plagioclase-phyric intrusive dike. Trace amount of pyrrhotite after biotite.
E101	BL28951	Dense red-brown gossan with minor MnO2 and pyrite.
E101	BL28984	Dense fine-grained, white rock which weathers to orange-ochre gossan. (smithsonite?)
E101	BL28837	White, carbonate-altered, and sheared biotite schist with vein-like disseminated galena and sphalerite.
E102	BL28856	Massive, coarse-grained amphibolite with 2-4% disseminated sulfides.
E102	BL28857	Deformed and altered quartz monzonite; biotite altered to muscovite.
E103	BL28866	Amphibolite with 1% disseminated pyrrhotite.
E104	BL28989	Panned concentrate.
E104	BL28988	Stream sediment.
E105	BL28990	Biotite-hornblende adamellite; Mafic minerals are slightly chloritized.
E106	BL28991	Panned concentrate.
E107	BL07995	Fine- to medium-grained, seriate, biotite granite.
E108	BL07997	Altered granite with minor pyrite.
E108	BL07998	2.5cm-wide chalcedonic veining in biotite-bearing granite. Very fine-grained molybdenite in veins and selvages.
E108	BL07996	Siliceous biotite granite with greenish colored alteration.
E108	BL07999	Siliceous alteration of biotite granite with trace of fine-grained, black spherulitic shaped granules.
E108	BL28840	Green , chlorite- and quartz-altered granite with galena, pyrite and trace sphalerite.
E108	BL08000	Biotite granite with green, chlorite-quartz-altered matrix. Contains disseminated sulfides(3%); galena, sphalerite and chalcopyrite.
E109	BL07960	Fine-grained, equigranular, biotite granite with hairline fractures filled with molybdenite.
E110	BL07981	Magnetite-rich pyroxene skarn.
E111	BL07970	Semi-massive pyrrhotite-chalcopyrite skarn.
E111	BL07972	Calc-silicates with 5% disseminated sulfides; pyrrhotite and trace chalcopyrite.
E111	BL07971	Pyrrhotite skarn with minor sphalerite and chalcopyrite.
E111	BL07969	Garnet pyroxene skarn.
E111	BL07968	Felsic plug with amphibole phenocrysts and disseminated pyrrhotite.
E111	BL07967	Massive magnetite skarn.
E112	BL07965	Pyroxene-pyrrhotite skarn with 5% sphalerite, 10-15% pyrrhotite and trace chalcopyrite.
E112	BL07966	Massive to semi-massive, banded pyroxene skarn with galena.
E113	BL07980	Medium-grained biotite-hornblende granodiorite.
E113	BL07979	Chlorite-garnet skarn.
E114	BL07973	Syenite with amphiboles partially altered to pyrrhotite.
E114	BL07974	Aphanitic groundmass, biotite-plagioclase phenocryst dike rock.
E115	BL07975	Intensively altered and silicified syenite with 5% disseminated pyrrhotite.
E115	BL07976	Dense, compact, light-green amphibole skarn.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
E99	BL28949	<0.5				6.73	70					1106			<5			1.44	<2		
E99	BL28940		<5					20	<5				1100				<1			<10	15
E99	BL28939		<5					11	<5				490				<1			<10	11
E99	BL28941		<5					31	<5				190				<1			<10	38
E99	BL28942	<0.5				2.86	34					813			<5			0.74	<2		
E99	BL28943	<0.5	<5			7.11	49	7	<5			1750	1800		25		<1	0.88	<2	<10	<10
E99	BL28946	<0.5	<5			2.73	13	4	<5			862	1000		<5		<1	0.1	<2	<10	29
E99	BL28945	<0.5	<5			4.15	45	10	<5			894	910		<5		<1	0.21	<2	<10	25
E99	BL28948	<0.5				2.99	49					753			<5			0.76	<2		
E99	BL28944																				
E99	BL28950	<0.5				>10	88					1432			9			1.2	<2		
E100	BL28982		6					42	<5				390				2			<10	<10
E100	BL28983		<5					47	<5				630				3			31	<10
E100	BL28981		<5					9	<5				220				<1			<10	<10
E100	BL28836	<0.5	<5			1.17	<5	12	<5			109	120		<5		2	0.17	2.2	<10	16
E100	BL28835	<0.5	<5			1.2	78	115	<5			71	<100		<5		3	0.03	<2	<10	<10
E100	BL28980		<5					33	<5				130				3			<10	<10
E101	BL28985		<5					8	<5				1600				<1			<10	37
E101	BL28986																				
E101	BL28854		12					100	<5				<100				2			<10	<10
E101	BL28855		<5					5	<5				1500				<1			<10	30
E101	BL28951		11					133	<5				<100				2			920	<10
E101	BL28984	1.1	<5			5.31	45	21	<5			525	220		26		<1	0.58	216.3	270	45
E101	BL28837	8.7	<5			2.15	<5	28	<5			204	140		36		<1	0.11	353.5	470	13
E102	BL28856		<5					7	8				490				<1			<10	19
E102	BL28857		<5					7	<5				1700				<1			<10	<10
E103	BL28866	1.5				8.53	105					1458			19			8.94	<2		
E104	BL28989	<0.5	<5			5.63	59	33	<5			1165	1000		21		<1	3.73	<2	<10	55
E104	BL28988	<0.2				0.09	6					214			<5			8	<1		
E105	BL28990													1522							
E106	BL28991	<0.5	<5			5.28	98	128	11			1152	1200		10		<1	1.11	<2	<10	350
E107	BL07995													1590							
E108	BL07997		<5					3	<5				1700				<1			<10	37
E108	BL07998		8					3	<5				360				<1			<10	31
E108	BL07996		<5					2	<5				2000				<1			<10	60
E108	BL07999	<0.5	<5			2.55	51	13	<5			514	600		<5		<1	0.68	<2	<10	<10
E108	BL28840	6.3	15			2.4	<5	11	13			402	510		9		<1	0.6	12.9	17	<10
E108	BL08000		12					4	<5				710				1			24	34
E109	BL07960	0.6	<5			2.02	62	8	7			1204	1500		<5		1	1.35	<2	<10	72
E110	BL07981	<0.5	<5			1.34	<5	16	12			106	<100		107		3	4.92	<2	<10	<10
E111	BL07970																				
E111	BL07972	<0.5	<5			1.95	<5	11	<5			72	<100		18		1	>10	<2	<10	<10
E111	BL07971		9					11	19				<100				<1			250	<10
E111	BL07969	12.8	15			2.3	<5	8	35			71	<100		63		2	>10	41.6	49	65
E111	BL07968													2807							
E111	BL07967		10					5	10				<100				<1			<10	<10
E112	BL07965		140					9	19				<100				1			500	<10
E112	BL07966		7					7	<5				<100				<1			<10	<10
E113	BL07980													1412							
E113	BL07979	<0.5	<5			2.1	<5	6	<5			92	<100		24		3	>10	<2	<10	<10
E114	BL07973	<0.5	<5			1.77	46	56	<5			304	2100		7		2	2.67	<2	<10	70
E114	BL07974													2631							
E115	BL07975	<0.5	<5			1.45	<5	5	<5			405	2100		14		<1	2.82	<2	<10	100
E115	BL07976	<0.5	<5			1.12	<5	10	110			49	<100		129	141	2	>10	<2	<10	<10

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
E99	BL28949		10		56			29				3.03		15			0.91	26		26	
E99	BL28940			<10		450	<1				<2		1.9		<2	<100			5		<0.5
E99	BL28939			<10		250	<1				<2		1.2		<2	<100			<5		<0.5
E99	BL28941			11		140	<1				<2		4.5		3	<100			17		0.7
E99	BL28942		24		104			46				4.19		19			0.53	17		27	
E99	BL28943		<1	<10	127	140	2	23			<2	3.63	4.4	14	3	<100	0.55	6	7	21	0.6
E99	BL28946		<1	<10	221	280	<1	28			<2	1.2	1.6	11	4	<100	0.48	10	14	5	<0.5
E99	BL28945		<1	<10	251	300	1	23			<2	2.03	2.6	12	4	<100	0.59	8	9	9	<0.5
E99	BL28948		13		73			34				4.56		18			0.82	14		24	
E99	BL28944																				
E99	BL28950		16		78			38				5.37		23			1.37	26		28	
E100	BL28982			<10		<50	1			426	<2		>10		<2	<100			11		<0.5
E100	BL28983			180		<50	4			38	<2		>10		<2	<100			17		<0.5
E100	BL28981			<10		410	<1			70	<2		1.2		<2	<100			<5		<0.5
E100	BL28836		5	<10	236	350	<1	19			<2	1.37	1.9	<10	<2	<100	0.04	<5	6	11	<0.5
E100	BL28835		4	<10	211	300	<1	26			<2	0.85	1.1	<10	<2	<100	0.13	6	8	16	<0.5
E100	BL28980			11		140	1			32	<2		4.9		<2	<100			<5		<0.5
E101	BL28985			34		190	5				<2		7.2		2	<100			20		<0.5
E101	BL28986																				
E101	BL28854			<10		220	<1				<2		>10		<2	<100			7		<0.5
E101	BL28855			<10		130	2				<2		2.9		3	<100			17		<0.5
E101	BL28951			61		<50	<1				<2		>10		<2	<100			6		<0.5
E101	BL28984		3	10	99	99	<1	30			<2	>10	>10	20	4	<100	0.06	21	20	51	<0.5
E101	BL28837		16	10	129	190	<1	214			<2	2.65	7.6	10	2	<100	0.04	<5	5	36	<0.5
E102	BL28856			71		190	<1				3		>10		5	<100			9		0.7
E102	BL28857			<10		230	2				<2		1.3		<2	<100			<5		<0.5
E103	BL28866		56		35			40				>10		35			0.91	<5		32	
E104	BL28989		8	16	225	230	3	12			<2	7.13	7.6	17	5	<100	1.38	27	40	22	<0.5
E104	BL28988		7		17			16				2.53		1.58				0.52		14	
E105	BL28990																				
E106	BL28991		8	<10	854	940	3	19			<2	5.5	5.8	18	20	<100	0.57	192	260	21	<0.5
E107	BL07995	0.02																			
E108	BL07997			<10		130	5				<2		2		4	<100			27		<0.5
E108	BL07998			<10		230	2				<2		0.7		<2	<100			16		<0.5
E108	BL07996			<10		120	5				<2		2.6		4	<100			35		<0.5
E108	BL07999		4	<10	57	120	5	20			<2	0.51	0.7	11	3	<100	3.18	<5	<5	11	<0.5
E108	BL28840		2	<10	71	120	9	19			<2	2.01	3.5	17	3	<100	1.73	<5	7	55	<0.5
E108	BL08000			<10		150	4		<0.01		<2		5.2		3	<100			17		<0.5
E109	BL07960	0.02	5	<10	113	160	3	8			<2	1.31	1.7	16	4	<100	1.23	30	39	19	<0.5
E110	BL07981		15	<10	60	<50	<1	<1			<2	<0.01	>10	72	<2	<100	0.09	<5	<5	<2	<0.5
E111	BL07970																				
E111	BL07972		14	11	35	53	7	63			<2	1.69	>10	19	<2	<100	0.02	<5	6	6	<0.5
E111	BL07971			160		<50	2		0.58		<2		>10		<2	<100			<5		<0.5
E111	BL07969		19	20	32	<50	2	197			<2	<0.01	>10	34	2	<100	0.05	34	51	6	<0.5
E111	BL07968	0.03																			
E111	BL07967			15		<50	<1		0.24		<2		>10		<2	<100			<5		<0.5
E112	BL07965			41		<50	2		0.12		<2		>10		<2	<100			<5		<0.5
E112	BL07966			14		<50	2		0.02		<2		>10		<2	<100			<5		<0.5
E113	BL07980	0.03																			
E113	BL07979		10	<10	44	<50	2	<1			4	<0.01	>10	22	<2	<100	0.09	<5	<5	8	<0.5
E114	BL07973		10	18	71	57	2	45			<2	2.66	5.9	16	4	<100	1.12	25	42	15	<0.5
E114	BL07974	0.02																			
E115	BL07975		7	14	70	100	2	18			<2	2.7	5.7	21	6	<100	1.97	40	59	11	<0.5
E115	BL07976		5	<10	67	100	<1	10			<2	2.64	9.1	12	<2	<100	0.07	<5	<5	18	<0.5

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Ni ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
E99	BL28949	1.01	929		3				1.66		7		19		102						
E99	BL28940					3				1		<20								45	
E99	BL28939					<2				1.2		<20								21	
E99	BL28941					<2				4.2		<20								24	
E99	BL28942	1.06	538		6				1.75		8		47		37						
E99	BL28943	1.18	748		3	<2			2.48	2.2	6	<20	6		9					50	
E99	BL28946	0.27	185		4	<2			3.69	3.4	6	<20	3		16					17	
E99	BL28945	0.42	573		<1	3			2.68	2.3	<5	<20	11		10					38	
E99	BL28948	0.69	661		4				1.69		9		21		104						
E99	BL28944																				
E99	BL28950	1.13	914		3				2.52		13		30		29						
E100	BL28982					<2				<0.05		<20				42				16	
E100	BL28983					<2				<0.05		320				449				17	
E100	BL28981					3				<0.05		<20				229				<10	
E100	BL28836	0.06	1636		<1	2			0.04	<0.05	<5	32	15		3					<10	
E100	BL28835	0.05	45		9	<2			0.04	<0.05	<5	<20	11		7					<10	
E100	BL28980					<2				<0.05		34				26				12	
E101	BL28985					2				1.6		66								170	
E101	BL28986																				
E101	BL28854					11				<0.05		<20								<10	
E101	BL28855					<2				3.3		<20								53	
E101	BL28951					2				<0.05		<50								<10	
E101	BL28984	0.83	4369		20	<2			0.31	<0.05	13	30	20		469					<10	
E101	BL28837	0.27	1813		26	2			0.03	<0.05	<5	<20	9		6424		0.65			11	
E102	BL28856					<2				1.2		59								23	
E102	BL28857					<2				3.5		<20								62	
E103	BL28866	6.41	2245		2				1.75		13		20		56						
E104	BL28989	1.19	1245		<1	<2			1.07	0.78	12	<20	18		32					62	
E104	BL28988	46	467		<1								11		28						
E105	BL28990													21							165
E106	BL28991	0.37	716		5	<2			1.9	1.9	23	36	16		39					140	
E107	BL07995													13							146
E108	BL07997					3		6		2.6		<20								130	
E108	BL07998					6210		5858		0.58		<20								22	
E108	BL07996					9		125		2.5		<20								130	
E108	BL07999	0.08	615		14	16			6.44	3.5	10	<20	7		28					88	
E108	BL28840	0.07	1928		10	10			1.1	0.74	12	<20	4		3495		0.34			170	
E108	BL08000					78				0.09		<20					0.3			180	
E109	BL07960	0.38	231		4	6			3.53	2.9	18	<20	7		25					150	
E110	BL07981	2.34	8357		<1	<2			0.29	<0.05	<5	<20	7		58					<10	
E111	BL07970																				
E111	BL07972	3.95	5657		4	<2			0.06	0.08	<5	<20	12		40					<10	
E111	BL07971					<2				0.08		<20					<0.01			<10	
E111	BL07969	1.48	8196		3	<2			0.11	0.07	<5	<20	8		730					<10	
E111	BL07968													26							158
E111	BL07967					<2				0.09		<20					0.02			<10	
E112	BL07965					13				0.06		<20					2.13			<10	
E112	BL07966					<2				0.15		<20					0.02			<10	
E113	BL07980													9							4
E113	BL07979	0.75	6273		<1	<2			0.27	0.15	<5	<20	12		28					14	
E114	BL07973	1.37	606		<1	<2			3.39	2.5	13	<20	11		48					130	
E114	BL07974													22							172
E115	BL07975	1.5	472		2	<2			3.51	2.4	17	<20	7		32					140	
E115	BL07976	1.47	4822		2	<2			0.1	0.1	<5	<20	21		121					<10	

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
E99	BL28949	<5						<20			244	<100				<25			0.32		93
E99	BL28940		1		7	<10	2		<200				<1	<1			<20	1.7		0.8	
E99	BL28939		0.5		4.3	<10	1.7		<200				<1	<1			<20	1.6		0.7	
E99	BL28941		0.8		15	<10	4.9		<200				<1	1			<20	2.7		1.2	
E99	BL28942	<5						<20			172	<100				<25			0.45		155
E99	BL28943	23	0.5		19	<10	3	33	<200		159	<100	<1	<1		<25	<20	2.7	0.37	0.8	50
E99	BL28946	14	0.6		9.1	<10	3.5	<20	<200		57	<100	<1	<1		<25	<20	5.8	0.17	2.3	20
E99	BL28945	33	0.9		9.1	<10	2.8	29	<200		91	<100	<1	<1		<25	<20	3.9	0.19	1.3	45
E99	BL28948	<5						<20			189	<100				<25			0.47		131
E99	BL28944																				
E99	BL28950	<5						28			257	<100				<25			0.51		153
E100	BL28982		8.3		7.1	<10	2.4		<200				<1	<1			<20	1.8		3.5	
E100	BL28983		15		11	<10	3.5		<200				<1	<1			<20	1.4		2.8	
E100	BL28981		3.7		1.8	<10	0.2		<200				<1	<1			<20	<0.5		<0.5	
E100	BL28836	<5	15		2.1	<10	1.2	<20	<200		12	<100	<1	<1		<25	<20	0.7	0.01	<0.5	18
E100	BL28835	14	18		2.1	<10	1.9	<20	<200		10	<100	<1	<1		<25	<20	<0.5	0.03	0.5	13
E100	BL28980		30.8		11	<10	2.1		<200				<1	<1			<20	1.1		0.6	
E101	BL28985		1		27	<10	5		<200				<1	<1			<20	4.5		1.9	
E101	BL28986																				
E101	BL28854		11		3.9	<10	1		<200				<1	<1			<20	1.1		2.2	
E101	BL28855		0.9		8.2	<10	3.1		<200				<1	<1			<20	3.9		2.3	
E101	BL28951		16		1.1	<10	2		<200				<1	<1			<20	<0.5		4.7	
E101	BL28984	18	2.8		11	<10	3.7	59	<200		40	<100	<1	<1		<25	<20	4.5	0.26	2.2	89
E101	BL28837	18	6.2		5.1	<10	1.2	28	<200		10	<100	<1	<1		<25	<20	1.7	0.1	1.2	37
E102	BL28856		0.5		54.1	<10	10		<200				<1	1			<20	0.8		0.5	
E102	BL28857		0.4		1.7	<10	0.4		<200				<1	<1			<20	0.6		<0.5	
E103	BL28866	<5						80			298	<100				<25			1.06		543
E104	BL28989	10	2.9		18	<10	6.1	43	<200		380	<100	<1	<1		<25	<20	8.3	0.64	2.4	197
E104	BL28988	<5						<20				0.65				<10			0.02		41
E105	BL28990									654											
E106	BL28991	<5	2.7		7.2	<10	17	21	<200		355	<100	4	1		<25	<20	55.4	0.33	5.9	134
E107	BL07995									588											
E108	BL07997		2.2		4.5	<10	3.1		<200				1	<1			<20	16		2.7	
E108	BL07998		4.8		0.8	<10	2		<200				<1	2			<20	8.2		6.5	
E108	BL07996		2.7		4.8	<10	3.9		<200				1	<1			<20	17		2.6	
E108	BL07999	7	2		1.2	<10	0.4	<20	<200		484	<100	2	<1		<25	<20	11	0.1	1.9	8
E108	BL28840	<5	5.4		1.1	<10	0.5	55	<200		118	<100	2	<1		<25	<20	13	0.08	2.8	7
E108	BL08000		12		5.2	<10	1.7		<200				<1	<1			<20	16		4.9	
E109	BL07960	5	8.7		5	<10	4.4	<20	<200		525	<100	1	<1		<25	<20	14	0.16	2.9	19
E110	BL07981	34	3.1		2.4	<10	0.9	42	<200		15	<100	1	<1		<25	<20	0.7	0.1	1.9	89
E111	BL07970																				
E111	BL07972	22	9.4		2.6	<10	1.5	57	<200		140	<100	<1	<1		<25	<20	2.4	0.08	7.4	45
E111	BL07971		5.4		0.5	<10	0.2		<200				<1	<1			<20	<0.5		0.6	
E111	BL07969	26	14		8	<10	4.9	38	<200		309	<100	<1	<1		<25	<20	8.2	0.1	12	187
E111	BL07968									632											
E111	BL07967		6.5		1.5	<10	0.7		<200				<1	<1			<20	<0.5		7.9	
E112	BL07965		5.7		<0.5	<10	0.6		<200				<1	<1			<20	<0.5		1.4	
E112	BL07966		5.4		1.7	<10	0.8		<200				<1	<1			<20	<0.5		4.4	
E113	BL07980									546											
E113	BL07979	<5	2.9		4.7	<10	3.8	53	<200		42	<100	<1	<1		<25	<20	2.2	0.07	1.5	36
E114	BL07973	<5	11		18	<10	7.2	24	<200		1204	<100	2	1		<25	<20	8.1	0.31	2.9	132
E114	BL07974									856											
E115	BL07975	<5	4.2		21	<10	8	<20	<200		782	<100	1	<1		<25	<20	11	0.34	2.9	155
E115	BL07976	11	25		4.1	<10	0.4	<20	<200		192	<100	<1	<1	1.4	<25	<20	<0.5	0.06	<0.5	54

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
E99	BL28949		<20			19			90				64								
E99	BL28940			<2				<5		<200				<500							
E99	BL28939			<2				<5		<200				<500							
E99	BL28941			<2				6		210				<500							
E99	BL28942		<20			8			91				48								
E99	BL28943		<20	<2		16		5	78	<200			63	<500							
E99	BL28946		<20	<2		9		<5	46	<200			86	<500							
E99	BL28945		<20	<2		10		<5	64	<200			66	<500							
E99	BL28948		<20			7			130				54								
E99	BL28944																				
E99	BL28950		<20			13			99				96								
E100	BL28982			<2				<5		5000				<500							
E100	BL28983			4				<5		25700				<500							
E100	BL28981			<2				<5		440				<500							
E100	BL28836		<20	<2		<5		<5	97	<200			<5	<500							
E100	BL28835		<20	<2		5		<5	171	<200			8	<500							
E100	BL28980			<2				<5		300				<500							
E101	BL28985			<2				<5		330				<500							
E101	BL28986																				
E101	BL28854			<2				<5		4800				<500							
E101	BL28855			<2				<5		260				<500							
E101	BL28951			5				<5		>30000				<500							
E101	BL28984		<20	25		10		<5	13205	15000	1.3		34	<500							
E101	BL28837		<20	15		<5		<5	>20000	27300	2.51		17	<500							
E102	BL28856			<2				7		230				<500							
E102	BL28857			<2				<5		<200				<500							
E103	BL28866		<20			20			248				28								
E104	BL28989		<20	6		17		<5	80	<200			19	<500							
E104	BL28988		<20						97												
E105	BL28990						21								178						
E106	BL28991		<20	29		23		<5	96	<200			76	690							
E107	BL07995						10								174						
E108	BL07997			<2				<5		<200				<500							
E108	BL07998			3				<5		<200				<500							
E108	BL07996			<2				<5		<200				<500							
E108	BL07999		<20	<2		<5		<5	43	<200			17	<500							
E108	BL28840		<20	5		<5		<5	2508	2700	0.25		21	<500							
E108	BL08000			17				<5		2600	0.22			<500							
E109	BL07960		<20	2		8		<5	35	<200			31	<500							
E110	BL07981		<20	<2		<5		<5	1110	1300			19	<500							
E111	BL07970																				
E111	BL07972		<20	<2		22		<5	211	280			30	<500							
E111	BL07971			47				<5		24800	2.24			<500							
E111	BL07969		<20	12		13		<5	5153	6100			9	<500							
E111	BL07968						23								267						
E111	BL07967			6				<5		320	0.04			<500							
E112	BL07965			15				<5		>30000	4.78			<500							
E112	BL07966			<2				<5		370	0.05			<500							
E113	BL07980						20								167						
E113	BL07979		<20	<2		9		<5	310	330			18	<500							
E114	BL07973		<20	<2		13		<5	142	<200			<5	<500							
E114	BL07974						23								222						
E115	BL07975		<20	6		15		<5	56	<200			<5	<500							
E115	BL07976		<20	<2		<5		<5	112	<200			<5	<500							

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
E99	BL28949														
E99	BL28940														
E99	BL28939														
E99	BL28941														
E99	BL28942														
E99	BL28943														
E99	BL28946														
E99	BL28945														
E99	BL28948														
E99	BL28944														
E99	BL28950														
E100	BL28982														
E100	BL28983														
E100	BL28981														
E100	BL28836														
E100	BL28835														
E100	BL28980														
E101	BL28985														
E101	BL28986														
E101	BL28854														
E101	BL28855														
E101	BL28951														
E101	BL28984														
E101	BL28837														
E102	BL28856														
E102	BL28857														
E103	BL28866														
E104	BL28989														
E104	BL28988														
E105	BL28990	66.92	0.51	15.45	1.74	2.34	4.34	0.11	1.77	3.36	3.13	4.14	0.22	0.55	100.49
E106	BL28991														
E107	BL07995	69.46	0.34	14.26	0.74	1.62	2.54	0.04	0.73	2.29	3.64	3.92	0.13	1.86	99.2
E108	BL07997														
E108	BL07998														
E108	BL07996														
E108	BL07999														
E108	BL28840														
E108	BL08000														
E109	BL07960														
E110	BL07981														
E111	BL07970														
E111	BL07972														
E111	BL07971														
E111	BL07969														
E111	BL07968	65.19	0.52	15.13	0.72	2.88	3.92	0.06	1.48	2.39	2.49	5.05	0.27	2.49	98.98
E111	BL07967														
E112	BL07965														
E112	BL07966														
E113	BL07980	63	0.63	14.78	1.8	3.11	5.26	0.11	2.23	4.34	2.94	4.33	0.23	0.96	98.81
E113	BL07979														
E114	BL07973														
E114	BL07974	62.59	0.53	14.25	1.01	2.01	3.24	0.07	2.15	3.13	3.32	5.82	0.35	4.46	99.91
E115	BL07975														
E115	BL07976														

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
E115	BL07977	Oscar Skarn-H	64	14.921	143	07.906	R
E116	BL07978	Oscar Skarn-H	64	14.697	143	08.219	R
E117	BL07909		64	11.784	143	12.873	PC
E117	BL07910		64	11.784	143	12.873	SS
E118	BL07904		64	10.749	143	14.674	R
E118	BL07905		64	10.749	143	14.674	R
E119	BL07906		64	10.750	143	16.310	PC
E119	BL07907		64	10.740	143	16.150	PC
E119	BL07908		64	10.740	143	16.150	SS
E120	BL06587		64	08.860	143	25.740	PC
E120	BL06586		64	08.860	143	25.740	SS
E121	BL06585		64	12.760	143	23.300	PC
E121	BL06584		64	12.760	143	23.300	SS
E122	BL28938		64	19.824	142	58.829	PC
E122	BL07938		64	19.260	143	24.085	PC
E123	BL28937		64	20.399	142	58.758	R
E124	BL28935		64	20.918	142	58.793	PC
E124	BL28936		64	20.748	142	58.994	PC
E125	BL28976		64	21.766	143	01.758	PC
E125	BL28975		64	21.686	143	01.845	PC
E126	BL28977		64	21.152	143	03.670	PC
E126	BL28978		64	21.152	143	03.670	SS
E127	BL06590		64	21.902	143	08.931	R
E127	BL06591		64	21.902	143	08.931	R
E127	BL06592		64	21.902	143	08.931	R
E128	BL07937		64	19.497	143	23.129	PC
E130	BL07939	Duval Creek	64	19.817	143	25.591	R
E130	BL07940	Duval Creek	64	19.817	143	25.591	R
E131	BL06589		64	21.260	143	28.230	PC
E132	BL07901	S21 Prospect	64	13.561	143	47.967	R
E132	BL07903		64	13.370	143	47.870	R
E133	BL07902	S21 Prospect	64	12.491	143	47.973	R
E134	BL06534		64	16.359	143	55.519	PC
E134	BL06598	Lucky-13	64	14.373	143	53.838	R
E134	BL06599	Lucky-13	64	14.373	143	53.838	R
E134	BL06596	VABM Good	64	14.294	143	54.160	R
E134	BL06597	VABM Good	64	14.282	143	54.044	R
E134	BL06595	VABM Good	64	14.191	143	54.070	R
E135	BL06536		64	16.360	143	55.693	R
E135	BL06535		64	16.359	143	55.519	SS
T1	BL06517	Mosquito	63	53.421	143	28.189	R
T1	BL06516	Mosquito	63	53.411	143	28.130	R
T1	BL06515	Mosquito	63	53.314	143	28.447	R
T1	BL06518	Mosquito	63	53.287	143	28.079	R
T1	BL06519	Mosquito	63	53.269	143	28.078	R
T1	BL06521	Mosquito	63	53.200	143	28.267	R
T1	BL06522	Mosquito	63	53.200	143	28.267	R
T1	BL06520	Mosquito	63	53.188	143	28.146	R
T1	BL06523	Mosquito	63	53.173	143	28.101	R
T1	BL06524	Mosquito	63	53.173	143	28.101	R
T2	BL06514	Mosquito	63	53.088	143	27.933	R
T2	BL06512	Mosquito	63	53.033	143	27.941	R
T2	BL06513	Mosquito	63	53.021	143	28.276	R
T2	BL06588	Mosquito	63	52.790	143	27.600	R

Map number	Sample number	Description
E115	BL07977	Banded, acicular actinolite-tremolite skarn with minor sphalerite.
E116	BL07978	Banded actinolite skarn with 5% disseminated sphalerite.
E117	BL07909	Panned concentrate.
E117	BL07910	Stream sediment.
E118	BL07904	Quartzite-lithic breccia cemented with limonite.
E118	BL07905	Micaceous quartzite breccia with hematitic stain.
E119	BL07906	Panned concentrate.
E119	BL07907	Panned concentrate.
E119	BL07908	Stream sediment.
E120	BL06587	Panned concentrate.
E120	BL06586	Stream sediment.
E121	BL06585	Panned concentrate.
E121	BL06584	Stream sediment.
E122	BL28938	Panned concentrate.
E122	BL07938	Panned concentrate.
E123	BL28937	Porphyritic plagioclase diorite which contains minor pyrrhotite.
E124	BL28935	Panned concentrate.
E124	BL28936	Panned concentrate.
E125	BL28976	Panned concentrate. Concentrates contain moderate black sands, mostly magnetite.
E125	BL28975	Panned concentrate. Concentrates contain moderate black sands, mostly magnetite.
E126	BL28977	Panned concentrate. Concentrates contain moderate black sands, mostly magnetite.
E126	BL28978	Stream sediment.
E127	BL06590	1.3m-wide gossany shear zone.
E127	BL06591	Random chip of sericite-altered quartz-mica schist which is cut by quartz veins.
E127	BL06592	Random chip of quartz veins from 30m-wide gossany shear zone.
E128	BL07937	Panned concentrate.
E130	BL07939	Medium-grained biotite granodiorite.
E130	BL07940	Quartz vein in biotite granodiorite with 2-3% galena.
E131	BL06589	Panned concentrate.
E132	BL07901	Milky-white quartz vein with wolframite and associated yellow oxide.
E132	BL07903	Limonite- MnO_2- coated Mt. Harper biotite granodiorite. Some minor quartz/MnO_2 filled veins.
E133	BL07902	Sericite-altered gray-green, melanocratic quartz-eye porphyritic diorite.
E134	BL06534	Panned concentrate.
E134	BL06598	Green calc-silicate gneissic roof pendant with disseminated chalcopyrite-pyrrhotite-scheelite(?).
E134	BL06599	Gneissic roof pendant with low angle fractures filled with coarse-grained scheelite and powellite.
E134	BL06596	Fine-grained, hornblende quartz monzonite.
E134	BL06597	Select of 5% molybdenite-bearing milky-white quartz vein in leucocratic quartz monzonite.
E134	BL06595	2.5cm-thick coarse-grained quartz vein cross-cutting gneiss. Vein contains 5% molybdenite.
E135	BL06536	Fine-grained, equigranular, biotite quartz monzonite.
E135	BL06535	Stream sediment.
T1	BL06517	Gossany quartz-calcite-bearing brecciated felsite.
T1	BL06516	Brecciated felsite. Groundmass altered to white mica-silica-clay-hematite fracture fillings.
T1	BL06515	Weakly altered Alaskite; amphiboles altered to chlorite-epidote with occasional pyrite.
T1	BL06518	Quartz-fragment breccia.
T1	BL06519	Silicic felsite breccia with irregular clots of quartz and alunite(?).
T1	BL06521	Quartz-veined felsite with <2% oxidized pyrite.
T1	BL06522	Random grab of hematite-veined felsite.
T1	BL06520	Massive black, banded gossan.
T1	BL06523	Silicified felsite, minor brecciation with yellow clay on fracture surfaces.
T1	BL06524	Silicified felsite with 5% disseminated pyrite.
T2	BL06514	Brecciated felsite with abundant hematitic veins and void fillings.
T2	BL06512	Quartz-veined, altered felsite; phenocrysts now filled with Fe-oxide.
T2	BL06513	Quartz vein with hairline fractures coated with Fe-Mn oxides. Pieces up to 15cm.
T2	BL06588	Coarse-grained, leucocratic granite. No mafics are visible (45% quartz and 55% feldspars).

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
E115	BL07977	<0.5	<5			0.86	<5	90	25			65	<100		42		3	7.6	17.3	33	<10
E116	BL07978	<0.5	<5			0.16	<5	11	9			21	<100		80		3	9.79	237.5	320	<10
E117	BL07909	<0.5	<5			2.13	<5	14	<5			1322	1500		<5		<1	4.53	<2	<10	84
E117	BL07910																				
E118	BL07904		<5					10	<5				150				1			<10	<10
E118	BL07905		<5					11	<5				670				<1			<10	<10
E119	BL07906	<0.5	8			2.08	12	21	9			1821	2300		<5		<1	1.89	<2	<10	39
E119	BL07907	<0.5	<5			2.08	<5	22	21			993	1100		<5		1	2.95	<2	<10	37
E119	BL07908	<0.2				2.61	18					403			7			0.98	<1		
E120	BL06587	<0.5	<5			2.15	<5	6	694			427	530		<5	<1	<1	1.64	<2	<10	60
E120	BL06586																				
E121	BL06585	6.3	<5			2.23	21	19	1510			358	410		<5	<1	1	1.72	<2	<10	110
E121	BL06584	<0.2				1.36	16					139			<5			0.53	<1		
E122	BL28938	<0.5	<5			5.38	26	20	<5			941	870		20		<1	5.71	<2	<10	82
E122	BL07938	1	<5			2.15	60	8	<5			592	720		6		1	0.93	<2	<10	110
E123	BL28937													351							
E124	BL28935	<0.5	<5			9.32	177	142	<5			1658	1300		22		2	3.29	<2	<10	76
E124	BL28936	<0.5	<5			1.46	39	44	<5			887	1200		11		<1	2.75	<2	<10	96
E125	BL28976	<0.5	<5			5.21	37	52	<5			1363	1600		15		1	0.77	<2	<10	180
E125	BL28975	<0.5	<5			4.9	38	22	6			1299	1400		7		<1	1.04	<2	<10	120
E126	BL28977	<0.5	<5			5.01	57	24	310			1556	1600		14	<1	<1	0.77	<2	<10	110
E126	BL28978	<0.2				0.09	<5					184			<5			8	<1		
E127	BL06590	5.4	5			>10	222	161	35			751	1200		<5		3	0.74	<2	<10	99
E127	BL06591	0.9	<5			>10	52	24	8			756	840		<5		2	0.02	<2	<10	73
E127	BL06592	1.1	<5			>10	18	13	8			196	230		<5		<1	0.02	<2	<10	14
E128	BL07937	<0.5	<5			2.25	8	8	6			705	890		<5		1	0.76	<2	<10	110
E130	BL07939													1014							
E130	BL07940		13					17	270				<100		>2000		8			<10	<10
E131	BL06589	<0.5	<5			2.05	33	17	6			721	760		<5		<1	1.16	<2	<10	57
E132	BL07901		43					<8	<59				30				<8			<87	<100
E132	BL07903	<0.5	<5			2.41	71	147	<5			424	520		20		3	0.02	<2	<10	43
E133	BL07902													1322							
E134	BL06534	<0.5	<5			2.02	<5	8	21			687	750		<5		<1	1.7	<2	<10	55
E134	BL06598	11.9	11			1.56	270	689	<12			22	<100		37		<5	7.64	32.9	<34	27
E134	BL06599	<0.5	<5			2.33	<5	<3	<23			261	790		16		<3	6.12	<2	<36	<38
E134	BL06596													621							
E134	BL06597	1.3	<5			>10	68	1	<5			130	210		<5		<1	0.19	<2	<10	25
E134	BL06595	0.8	<5			>10	38	<1	<5			294	290		<5		<1	0.38	<2	<10	<10
E135	BL06536													1072							
E135	BL06535	<0.2				3.99	<5					270			7			1.05	<1		
T1	BL06517		9					727	190				8400			35	<13			<10	100
T1	BL06516		<5					37	15				690				1			<10	80
T1	BL06515													220							
T1	BL06518		<5					17	9				1300				<1			<10	40
T1	BL06519		<5					10	9				570				<1			<10	120
T1	BL06521		<5					25	11				1600				1			<10	67
T1	BL06522		<5					20	<5				1400				<1			<10	36
T1	BL06520	<0.5	11			>10	<5	86	19			215	210		1038		2	0.02	105.4	<10	<10
T1	BL06523		<5					5	<5				1000				<1			<10	52
T1	BL06524		<5					10	24				900				<1			<10	180
T2	BL06514		<5					28	17				1700				<1			<10	83
T2	BL06512		<5					41	<5				930				<1			<10	45
T2	BL06513		5					32	11				330				<1			<10	46
T2	BL06588													120							

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
E115	BL07977		13	23	31	<50	2	4			<2	0.23	>10	13	<2	<100	0.07	<5	6	16	<0.5
E116	BL07978		21	14	13	<50	1	4			<2	<0.01	>10	24	<2	<100	0.02	<5	<5	<2	<0.5
E117	BL07909		22	35	328	400	<1	33			3	2.81	7.5	15	3	<100	0.76	35	44	13	<0.5
E117	BL07910																				
E118	BL07904			<10		230	<1				<2		9.5		<2	<100			10		<0.5
E118	BL07905			<10		190	2				<2		2.3		<2	<100			<5		<0.5
E119	BL07906		16	39	350	440	1	24			<2	3.17	8.1	19	3	<100	0.68	16	22	13	<0.5
E119	BL07907		23	37	525	660	1	29			2	2.79	5.2	14	3	<100	0.67	17	21	15	<0.5
E119	BL07908		23		422			43				4					0.31	15			
E120	BL06587		12	12	401	540	1	17			<2	2.53	5.6	15	15	<100	0.81	26	35	17	0.9
E120	BL06586																				
E121	BL06585		17	17	441	650	1	20			2	2.6	6.8	16	10	<100	0.98	44	55	18	0.5
E121	BL06584		19		94			37				2.62					0.13	21			
E122	BL28938		16	27	169	200	<1	12			3	5.87	7.1	21	6	<100	0.65	30	53	9	<0.5
E122	BL07938		6	13	316	390	3	21			<2	2.01	2.6	14	4	<100	0.83	52	63	24	<0.5
E123	BL28937	0.03																			
E124	BL28935		11	20	263	340	1	18			<2	5.64	6	18	8	<100	1.52	27	41	15	0.6
E124	BL28936		12	20	211	250	2	24			2	8.24	9.5	16	9	<100	0.43	15	62	16	0.7
E125	BL28976		3	12	243	260	4	12			<2	6.23	6.9	15	11	<100	0.57	90	120	32	<0.5
E125	BL28975		4	10	154	160	4	9			<2	3.7	4.3	13	14	<100	0.6	59	85	30	<0.5
E126	BL28977		8	<10	211	210	4	9			<2	2.53	2.9	15	7	<100	0.86	39	79	33	<0.5
E126	BL28978		8		21			13				2.35		1.49				0.43		18	
E127	BL06590		<1	15	229	340	12	78			<2	>10	4.4	<10	6	<100	1.17	32	52	74	<0.5
E127	BL06591		<1	<10	237	350	4	21			<2	>10	0.9	<10	6	<100	1.77	17	35	51	<0.5
E127	BL06592		<1	<10	230	400	2	17			<2	>10	0.9	<10	<2	<100	0.63	<5	9	44	<0.5
E128	BL07937		<1	<10	317	450	3	11			<2	1.56	2.1	11	4	<100	0.72	32	52	27	<0.5
E130	BL07939																				
E130	BL07940			<10		380	<1				<2		1.1		<2	<100			<5		<0.5
E131	BL06589		2	15	356	420	2	12			<2	2.27	3.2	14	5	<100	0.49	26	32	18	<0.5
E132	BL07901			<10		<730	<2			44	<2		0.7		<20	<420			<5		<1.7
E132	BL07903		<1	<10	77	70	6	11			2	0.82	>10	23	4	<100	1.72	8	23	26	0.6
E133	BL07902																				
E134	BL06534		11	<10	727	950	2	39			<2	2.25	3.3	12	8	<100	1.18	37	46	21	0.6
E134	BL06598		17	16	132	300	<1	4066			<2	1.04	>10	25	<4	<100	0.01	12	16	9	0.5
E134	BL06599		15	11	171	430	5	158			<2	2.25	3.7	24	<10	<100	0.41	23	49	23	0.7
E134	BL06596	0.02																			
E134	BL06597		2	<10	318	460	2	42			<2	>10	1.3	31	4	<100	2.62	<5	12	20	0.6
E134	BL06595		2	<10	325	510	3	36			<2	>10	1.6	36	<2	<100	2.41	6	15	21	<0.5
E135	BL06536	0.02																			
E135	BL06535		15		783			70				5.75					0.49	28			
T1	BL06517			<10		<50	4				<2		>10		9	<100			70		<0.5
T1	BL06516			<10		83	4				<2		>10		3	<100			49		<0.5
T1	BL06515	0.03																			
T1	BL06518			<10		330	1				<2		2.1		4	<100			18		0.8
T1	BL06519			<10		350	2				<2		1.1		3	<100			66		<0.5
T1	BL06521			<10		150	2				<2		5.5		2	<100			37		<0.5
T1	BL06522			<10		77	2				<2		6.8		3	<100			27		<0.5
T1	BL06520		115	<10	179	150	<1	<1			<2	<0.01	>10	347	<2	<100	0.08	<5	9	6	<0.5
T1	BL06523			<10		170	3				<2		1.9		4	<100			28		<0.5
T1	BL06524			<10		140	1				<2		4.5		3	<100			110		<0.5
T2	BL06514			<10		<50	1				<2		>10		4	<100			53		<0.5
T2	BL06512			<10		220	2				<2		6.8		3	<100			31		<0.5
T2	BL06513			<10		390	1				<2		8		<2	<100			27		<0.5
T2	BL06588	0.02																			

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Ni ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
E115	BL07977	1.07	5623		2	<2			0.08	0.05	<5	<20	21		26					<10	
E116	BL07978	0.58	12147		36	<2			0.06	<0.05	<5	<20	11		81					<10	
E117	BL07909	2.56	1733		<1	<2			1.05	1	10	45	47		22					35	
E117	BL07910																				
E118	BL07904					<2				<0.05		31								13	
E118	BL07905					<2				0.05		<20								28	
E119	BL07906	1.42	1669		<1	<2			2.41	2.4	15	98	67		30					28	
E119	BL07907	1.96	2824		<1	<2			1.06	1.1	9	72	83		17					28	
E119	BL07908	1.11	2605		4				0.06				64		21						
E120	BL06587	0.95	1512		2	<2			2.2	1.5	18	44	26		29					56	
E120	BL06586																				
E121	BL06585	0.84	1116		<1	2			2.75	1.7	19	<20	32		35					45	
E121	BL06584	0.6	1362		1				0.02				27		17						
E122	BL28938	2	1353		<1	<2			2.52	2.3	59	59	41		29					28	
E122	BL07938	0.75	532		<1	<2			1.66	1.7	12	33	27		325					110	
E123	BL28937													<5							<1
E124	BL28935	1.49	1317		3	<2			2.67	2.2	28	<20	22		27					59	
E124	BL28936	0.92	1717		<1	<2			1.83	1.8	27	<20	24		22					80	
E125	BL28976	0.5	737		4	3			1.29	1.2	24	<20	20		41					130	
E125	BL28975	0.5	575		3	<2			1.49	1.3	18	<20	12		23					120	
E126	BL28977	0.36	347		<1	<2			1.54	1.3	16	22	19		29					120	
E126	BL28978	91	426		<1								15		12						
E127	BL06590	0.54	255		3	<2			0.16	0.21	68	<20	17		<2					180	
E127	BL06591	0.16	34		5	2			0.07	0.07	15	<20	6		17					84	
E127	BL06592	0.09	26		10	3			0.04	<0.05	11	<20	4		<2					38	
E128	BL07937	0.29	393		<1	3			2.06	1.8	8	23	16		40					120	
E130	BL07939													18							152
E130	BL07940					37				<0.05		<20					0.02			<10	
E131	BL06589	0.52	1380		<1	<2			1.33	1.5	15	<20	16		30					84	
E132	BL07901					384				0.06		<73				125				<10	
E132	BL07903	0.09	595		36	44			0.09	0.06	<5	<20	8		54					130	
E133	BL07902													5							73
E134	BL06534	0.73	541		2	<2			3.08	1.7	15	<20	23		27					83	
E134	BL06598	0.49	9636		30	35			0.07	0.06	8	29	12		30					<10	
E134	BL06599	0.77	1693		135	160	0.018		1.5	1.5	9	<42	32		24					110	
E134	BL06596													65							272
E134	BL06597	0.05	213		4179	5520	0.578		2.28	2	39	42	10		35					160	
E134	BL06595	0.08	151		5384	6250	0.648		1.79	1.6	38	<20	10		<2					120	
E135	BL06536													15							148
E135	BL06535	0.95	865		53				0.26				135		25					200	
T1	BL06517					73				<0.05		<20								240	
T1	BL06516					7				0.1		<20									41
T1	BL06515													16						270	
T1	BL06518					4				0.19		25								110	
T1	BL06519					18				2.5		<20								130	
T1	BL06521					13				0.12		<20								190	
T1	BL06522					9				0.12		<20								<10	
T1	BL06520	0.02	40		<1	25			0.03	<0.05	<5	35	11		317					150	
T1	BL06523					5				3		<20								170	
T1	BL06524					4				0.18		50								140	
T2	BL06514					<2				0.11		<20								210	
T2	BL06512					8				0.09		20								25	
T2	BL06513					4				<0.05		<20									265
T2	BL06588													31							

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
E115	BL07977	12	17		1.4	<10	0.8	<20	<200		101	<100	<1	<1		<25	<20	0.9	0.01	<0.5	29
E116	BL07978	36	15		0.6	<10	0.3	<20	<200		92	<100	<1	<1		<25	<20	0.6	<0.01	0.7	12
E117	BL07909	<5	3.1		33	<10	8.4	<20	<200		463	<100	1	1		<25	<20	7	0.48	2.2	222
E117	BL07910																				
E118	BL07904		14		1.3	<10	1.2		<200				<1	<1			<20	3.4		3.1	
E118	BL07905		6		3.4	<10	0.6		<200				<1	<1			<20	1.8		0.9	
E119	BL07906	15	2.8		20	<10	4.3	<20	<200		272	<100	1	<1		<25	<20	4.7	0.54	1.5	154
E119	BL07907	<5	3.2		20	<10	4.4	<20	<200		204	<100	<1	<1		<25	<20	4.8	0.57	1.4	148
E119	BL07908	<5						<20			54					<10					78
E120	BL06587	13	0.6		18	<10	5.4	21	<200		168	<100	2	<1		<25	<20	11	0.56	2.7	65
E120	BL06586																				
E121	BL06585	<5	1.6		17	<10	7.6	39	<200		234	<100	5	2		<25	<20	14	0.56	3.2	86
E121	BL06584	<5						<20			32					<10					34
E122	BL28938	<5	0.6		26	<10	8.3	36	<200		648	<100	5	1		<25	<20	5.8	1.07	2.3	184
E122	BL07938	14	4.9		7.2	<10	5.4	<20	<200		165	<100	1	<1		<25	<20	17	0.29	2.7	54
E123	BL28937									10											
E124	BL28935	<5	0.9		21	<10	6.1	41	<200		654	<100	2	<1		<25	<20	10	0.57	3.3	156
E124	BL28936	<5	2		22	<10	6.9	22	<200		366	<100	3	1		<25	<20	15	0.56	4.3	206
E125	BL28976	<5	4.2		6.8	<10	7.1	<20	<200		245	<100	2	<1		<25	<20	28	0.35	6.7	130
E125	BL28975	18	2.4		8	<10	7.4	32	<200		262	<100	1	<1		<25	<20	27	0.39	5.7	92
E126	BL28977	17	2.6		5.4	<10	5	<20	<200		280	<100	1	<1	<0.2	<25	<20	21	0.23	4.9	58
E126	BL28978	<5						<20				0.61				<10			0.03		40
E127	BL06590	<5	18		14	<10	7.1	43	<200		73	<100	1	<1		77	<20	18	0.34	3.7	66
E127	BL06591	<5	21.2		5.2	<10	4.2	<20	<200		40	<100	1	<1		<25	<20	9.4	0.26	2.1	76
E127	BL06592	<5	9		1.9	<10	1.1	<20	<200		7	<100	<1	<1		<25	<20	2.3	0.06	<0.5	35
E128	BL07937	9	2.4		4.4	<10	5.2	<20	<200		167	<100	<1	<1		<25	<20	16	0.13	2.5	34
E130	BL07939									339											
E130	BL07940		96.6		<0.5	15	0.2		<200				<1	<1			<20	<0.5		<0.5	
E131	BL06589	<5	1.2		8.6	<10	4.5	<20	<200		174	<100	2	<1		<25	<20	11	0.38	1.8	53
E132	BL07901		<13		<1	<60	<0.5		<1200				<6	<2			<130	<4.7		<18	
E132	BL07903	41	14		6.4	<10	4.3	<20	<200		47	<100	<1	<1		<25	<20	13	0.09	6.1	26
E133	BL07902									280											
E134	BL06534	6	3.3		11	<10	7.1	<20	<200		235	<100	1	1		<25	<20	16	0.27	2.4	76
E134	BL06598	26	20.4		1.9	<10	1.9	56	<200		105	<100	<1	<1		<25	<20	6.8	0.07	2.3	47
E134	BL06599	8	1.3		18	<22	8.4	<20	<470		549	<100	2	<1		<25	<50	12	0.31	5.8	68
E134	BL06596									143											
E134	BL06597	<5	0.6		2.6	<10	3.6	<20	<200		36	<100	6	3		32	<20	35	0.02	6.8	5
E134	BL06595	<5	0.8		2.7	<10	2.2	<20	<200		77	<100	3	2		28	<20	17	0.05	4.8	9
E135	BL06536									236											
E135	BL06535	<5						<20			82					<10					89
T1	BL06517		103		4.7	<10	6.8		<200				<1	<1			<44	24		16	
T1	BL06516		8.5		8.7	<10	4.8		<200				<1	<1			<20	16		9.2	
T1	BL06515									585											
T1	BL06518		1.5		3	<10	4.2		<200				2	<1			<20	15		1.7	
T1	BL06519		1.8		3.9	<10	6.2		<200				1	<1			<20	12		2.7	
T1	BL06521		1.2		2.5	<10	2.6		<200				<1	<1			<20	14		1.5	
T1	BL06522		1.3		2.3	<10	2.1		<200				<1	<1			<20	15		1.7	
T1	BL06520	613	1.8		1.1	<10	1.2	<20	<200		<1	<100	<1	<1		<25	<20	33	0.01	0.6	3
T1	BL06523		1.4		5.6	<10	1.9		<200				1	<1			<20	12		1.7	
T1	BL06524		2.2		5	<10	8.9		<200				1	<1			<20	8.6		1.8	
T2	BL06514		1.1		3.4	<10	4.5		<200				1	<1			<20	26		4.2	
T2	BL06512		2.3		2	<10	3.2		<200				1	<1			<20	18		1.2	
T2	BL06513		8.4		0.6	<10	2.5		<200				<1	<1			<20	12		1.4	
T2	BL06588									74											

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
E115	BL07977		<20	2		<5		<5	2838	3500			<5	<500							
E116	BL07978		<20	9		<5		<5	>20000	>30000	3.32		<5	<500							
E117	BL07909		<20	<2		20		<5	115	<200			<5	<500							
E117	BL07910																				
E118	BL07904			5				<5		<200				<500							
E118	BL07905			9				<5		<200				<500							
E119	BL07906		<20	6		14		<5	85	<200			25	<500							
E119	BL07907		<20	2		15		<5	96	<200			<5	<500							
E119	BL07908		<20			10			118												
E120	BL06587		<20	2		25		6	50	<200			34	660							
E120	BL06586																				
E121	BL06585		<20	14		24		<5	53	<200			5	590							
E121	BL06584		<20			8			74												
E122	BL28938		<20	<2		18		<5	74	<200			<5	670							
E122	BL07938		<20	52		9		<5	356	350			13	<500							
E123	BL28937						<1								47						
E124	BL28935		<20	<2		25		6	66	<200			61	510							
E124	BL28936		<20	3		10		5	73	<200			<5	<500							
E125	BL28976		<20	4		13		<5	109	<200			69	<500							
E125	BL28975		<20	4		14		<5	61	<200			56	680							
E126	BL28977		<20	2		8		<5	61	<200			68	<500							
E126	BL28978		<20						55												
E127	BL06590		<20	9		9		<5	<2	<200			40	<500							
E127	BL06591		<20	7		<5		<5	<2	<200			34	<500							
E127	BL06592		<20	<2		<5		<5	<2	<200			12	<500							
E128	BL07937		<20	31		7		<5	63	<200			15	<500							
E130	BL07939						32								148						
E130	BL07940			48				<5		<200				<500							
E131	BL06589		<20	3		12		<5	46	<200			8	<500							
E132	BL07901			16600	1.69			<12		<200		15		<4300							
E132	BL07903		<20	24		15		<5	183	220			17	<500							
E133	BL07902						14								177						
E134	BL06534		<20	5		17		<5	65	<200			29	<500							
E134	BL06598		926	2180		<5		<5	604	660			17	<500							
E134	BL06599		1170	7200	0.79	17		<5	76	<200			6	2300							
E134	BL06596						33								58						
E134	BL06597		136	684		15		<5	3	<200			29	<500							
E134	BL06595		276	436		10		<5	<2	<200			23	<500							
E135	BL06536						28								145						
E135	BL06535		<20			16			88												
T1	BL06517			17				<5		540				<500							
T1	BL06516			37				<5		230				<500							
T1	BL06515						23								243						
T1	BL06518			10				6		<200				<500							
T1	BL06519			3				<5		<200				<500							
T1	BL06521			9				<5		<200				<500							
T1	BL06522			5				<5		<200				<500							
T1	BL06520		<20	3		<5		<5	571	<200			<5	<500							
T1	BL06523			10				<5		<200				<500							
T1	BL06524			10				<5		<200				<500							
T2	BL06514			4				<5		<200				<500							
T2	BL06512			12				<5		<200				<500							
T2	BL06513			2											78						
T2	BL06588						52														

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
E115	BL07977														
E116	BL07978														
E117	BL07909														
E117	BL07910														
E118	BL07904														
E118	BL07905														
E119	BL07906														
E119	BL07907														
E119	BL07908														
E120	BL06587														
E120	BL06586														
E121	BL06585														
E121	BL06584														
E122	BL28938														
E122	BL07938														
E123	BL28937	73.65	0.2	6	5.54	4.22	10.23	0.27	0.46	0.32	0.11	<0.05	<0.03	8.17	99.42
E124	BL28935														
E124	BL28936														
E125	BL28976														
E125	BL28975														
E126	BL28977														
E126	BL28978														
E127	BL06590														
E127	BL06591														
E127	BL06592														
E128	BL07937														
E130	BL07939	65.9	0.53	15.15	1.38	2.66	4.34	0.1	1.43	3.34	3.49	3.34	0.24	3.23	101.08
E130	BL07940														
E131	BL06589														
E132	BL07901														
E132	BL07903														
E133	BL07902	63.48	0.5	14.45	1.48	2.21	3.94	0.11	1.06	3.85	2.98	2.98	0.23	6.4	99.98
E134	BL06534														
E134	BL06598														
E134	BL06599														
E134	BL06596	75.97	0.14	12.37	0.64	1.04	1.8	0.04	0.2	1.01	3.09	5.19	0.08	0.48	100.37
E134	BL06597														
E134	BL06595														
E135	BL06536	69.69	0.35	14	1.08	1.75	3.02	0.07	0.81	2.5	3.36	3.84	0.18	1.86	99.68
E135	BL06535														
T1	BL06517														
T1	BL06516														
T1	BL06515	66.34	0.64	16.32	0.67	0.71	1.46	0.06	1.5	4.29	4.88	0.66	0.25	3.38	99.77
T1	BL06518														
T1	BL06519														
T1	BL06521														
T1	BL06522														
T1	BL06520														
T1	BL06523														
T1	BL06524														
T2	BL06514														
T2	BL06512														
T2	BL06513														
T2	BL06588	75.52	0.03	12.35	0.72	0.52	1.3	0.01	0.03	0.2	3.96	4.94	0.04	2.44	100.82

Map number	Sample number	Prospect	Latitude Degrees	Latitude Minutes	Longitude Degrees	Longitude Minutes	Type
T3	BL06504	Peternie	63	44.727	143	29.461	R
T3	BL06503	Peternie	63	44.706	143	29.403	R
T3	BL06505		63	44.659	143	29.460	SS
T4	BL07930		63	41.749	143	29.742	R
T4	BL07927		63	41.637	143	29.941	SO
T5	BL07929		63	41.146	143	30.362	SO
T5	BL07928		63	41.136	143	30.266	SO
T6	BL07931		63	42.301	143	26.900	R
T7	BL07945		63	44.498	142	53.941	PC
T8	BL07944		63	44.909	142	51.412	PC
T9	BL07933		63	44.594	142	50.818	R
T9	BL07932		63	44.446	142	51.340	SO
T10	BL07936		63	44.154	142	51.833	R
T11	BL07934		63	43.923	142	49.607	PC
T11	BL07935		63	43.923	142	49.607	SS
T12	BL06511	Peternie	63	36.755	142	46.523	R
T12	BL06510	Peternie	63	36.713	142	46.520	R
T13	BL06508	Peternie	63	36.641	142	45.895	R
T13	BL06509	Peternie	63	36.568	142	46.157	R
T13	BL06507	Peternie	63	36.508	142	45.720	R
T14	BL06501	Peternie	63	36.179	142	45.874	R
T14	BL06502	Peternie	63	36.179	142	45.874	R
T14	BL06506	Peternie	63	36.179	142	45.874	R
T14	BL06600	Peternie	63	36.179	142	45.874	R
T14	BL07941	Peternie	63	35.952	142	45.616	R
T14	BL07942	Peternie	63	35.952	142	45.616	R
T14	BL07943	Peternie	63	35.952	142	45.616	R

Map number	Sample number	Description
T3	BL06504	Highly fractured biotite-muscovite schist; contains pyrite and vugs filled with yellow boxworks.
T3	BL06503	Leucocratic, quartz-eye porphyry dike or plug.
T3	BL06505	Stream sediment.
T4	BL07930	Muscovite-albite-quartz pegmatite with trace small, pink garnets.
T4	BL07927	Soil sample of red to ochre-colored soils.
T5	BL07929	Soil sample of red to ochre-colored, clayey soils.
T5	BL07928	Soil sample of red to ochre-colored soils.
T6	BL07931	Crystal-lithic rhyolite breccia with 1% pyrite.
T7	BL07945	Panned concentrate.
T8	BL07944	Panned concentrate.
T9	BL07933	Silicified quartz monzonite cut by massive fine-grained epidote veins. Late quartz veins contain 1% scheelite.
T9	BL07932	Soil sample.
T10	BL07936	Altered quartz monzonite with hairline veins of epidote and disseminated sulfides.
T11	BL07934	Panned concentrate of sediment impacted stream-side bryophyte moss.
T11	BL07935	Stream sediment sample from stream with moderate iron staining and high organic content.
T12	BL06511	Brecciated and silicified hornfels.
T12	BL06510	Milky-white quartz vein in silicified hornfels. Minor Fe staining.
T13	BL06508	Silicified intrusive with abundant limonite-coated pits and trace of disseminated pyrite.
T13	BL06509	Quartz-veined, intensely silicified intrusive. Abundant vugs of Fe-Mn oxides after pyrite.
T13	BL06507	Silicified intrusive rock with limonite-coated pits and hematite-lined fractures.
T14	BL06501	Fine-grained, equigranular, leucocratic granite with one,1cm-thick quartz vein with molybdenite along selvage.
T14	BL06502	Medium-grained, hornblende-biotite , K-feldspar-phyric quartz monzonite.
T14	BL06506	Limonitic, highly quartz-veined, felsic igneous rock.
T14	BL06600	Potassic-altered granitic rock. Veins of semi-massive magnetite-quartz.
T14	BL07941	Biotite, K-feldspar-phyric granodiorite which has minor epidote-silica veins with associated pyrite-chalcopyrite and potassic alteration in selvage.
T14	BL07942	Medium- to fine-grained, biotite-rich dike which cuts coarse grained porphyry.
T14	BL07943	Select sample of disseminated pyrite, chalcopyrite in potassic-altered and veined coarse-grained intrusive.

Map number	Sample number	Ag ppm ICP	Ag ppm INAA	Ag oz/ton Assay	Ag ppm AAS	Al pct ICP	As ppm ICP	As ppm INAA	Au ppb INAA	Au oz/ton Assay	Au ppb Assay	Ba ppm ICP	Ba ppm INAA	Ba ppm XRF	Bi ppm ICP	Bi ppm AAS	Br ppm INAA	Ca pct ICP	Cd ppm ICP	Cd ppm INAA	Ce ppm INAA
T3	BL06504	3.4	<5			>10	97	10	6			321	480		<5		<1	0.03	<2	<10	82
T3	BL06503													774							
T3	BL06505	<0.2				1.82	<5					131			<5			0.55	<1		
T4	BL07930		<5					5	7				150				<1			<10	12
T4	BL07927	4.8	<5			>10	150	<1	<5			631	<100		<5		<1	0.56	<2	<10	<10
T5	BL07929	4.3	<5			>10	119	20	<5			731	820		<5		2	0.93	<2	<10	65
T5	BL07928	4.6	<5			>10	149	12	7			554	720		<5		1	0.65	<2	<10	64
T6	BL07931		<5					8	<5				2200				3			<10	90
T7	BL07945	<0.5	<5			1.81	7	6	<5			620	690		<5		<1	0.94	2	<10	110
T8	BL07944	<0.5	<5			1.96	38	5	12			487	640		<5		<1	1.14	<2	<10	79
T9	BL07933	<0.5	<5			2.42	<5	6	7			67	<100		9		<1	>10	<2	<10	16
T9	BL07932	4.3	6			>10	125	30	9			738	870		<5		9	0.9	<2	<10	52
T10	BL07936	<0.5	<5			2.45	15	9	<5			1169	1400		<5		3	1.29	<2	<10	60
T11	BL07934	13.2	9			2.11	<5	15	<5			651	860		6		4	1.44	36.2	42	130
T11	BL07935	<0.2				1.93	10					165			6			0.99	<1		
T12	BL06511		6					109	<5				<100				2			<10	<10
T12	BL06510		<5					32	<5				1700				<1			<10	33
T13	BL06508		12					18	<5				3000				<1			<10	38
T13	BL06509		<5					15	<5				1600				<1			<10	42
T13	BL06507		<5					138	7				3400				2			<10	46
T14	BL06501	2.7	<5			>10	113	80	16			816	970		<5		2	0.09	<2	<10	76
T14	BL06502													2062							
T14	BL06506		<5					67	8				870				<1			<10	13
T14	BL06600	<0.5	<5			2.23	<5	3	8			126	230		<5		<1	0.04	<2	<10	<10
T14	BL07941		<5					6	<5				2000				2			<10	73
T14	BL07942													2174							
T14	BL07943													1800							

Map number	Sample number	Cl pct	Co ppm ICP	Co ppm INAA	Cr ppm ICP	Cr ppm INAA	Cs ppm INAA	Cu ppm ICP	Cu pct Assay	Cu ppm AAS	Eu ppm INAA	Fe pct ICP	Fe pct INAA	Ga ppm ICP	Hf ppm INAA	Ir ppb INAA	K pct ICP	La ppm ICP	La ppm INAA	Li ppm ICP	Lu ppm INAA
T3	BL06504		<1	<10	202	270	2	33			<2	>10	2.3	<10	6	<100	0.71	21	38	12	<0.5
T3	BL06503	0.02																			
T3	BL06505		7		230			21				2.55					0.21	31			
T4	BL07930			<10		130	5				<2		0.6		5	<100			7		<0.5
T4	BL07927		4	<10	509	<50	<1	99			<2	>10	<0.5	<10	<2	<100	0.68	11	<5	33	<0.5
T5	BL07929		6	16	196	310	6	74			<2	>10	6	<10	5	<100	0.94	11	34	33	<0.5
T5	BL07928		<1	15	170	220	9	66			<2	>10	4.4	<10	5	<100	0.65	12	36	32	<0.5
T6	BL07931			<10		<50	3				<2		0.9		<2	<100			52		<0.5
T7	BL07945		<1	14	305	390	2	16			<2	2.06	3.1	13	6	<100	0.5	49	60	19	<0.5
T8	BL07944		6	<10	474	510	2	14			<2	1.97	2.7	16	5	<100	0.46	32	40	15	<0.5
T9	BL07933		3	<10	122	180	<1	24			<2	2.43	6.7	39	<2	<100	0.13	<5	5	4	<0.5
T9	BL07932		9	20	197	250	4	88			<2	>10	6	<10	5	<100	1.44	6	28	28	<0.5
T10	BL07936		5	<10	82	79	1	8			<2	1.59	2.3	16	4	<100	1.06	18	31	17	<0.5
T11	BL07934		1	11	338	370	3	65			2	2.02	2.9	17	9	<100	0.35	54	65	16	0.9
T11	BL07935		14		214			21				4.37					0.13	16			
T12	BL06511			<10		310	<1				<2		>10		<2	<100			7		<0.5
T12	BL06510			<10		190	1				<2		3.9		3	<100			18		<0.5
T13	BL06508			<10		290	<1				<2		3.2		4	<100			22		<0.5
T13	BL06509			<10		180	<1				<2		2.8		3	<100			16		<0.5
T13	BL06507			<10		210	<1				<2		4.1		5	<100			32		<0.5
T14	BL06501		<1	<10	509	720	<1	54			<2	>10	1.5	<10	<2	<100	0.93	25	44	15	<0.5
T14	BL06502	0.02																			
T14	BL06506			<10		490	<1				<2		2.8		<2	<100			10		<0.5
T14	BL06600		1	<10	259	330	<1	27			<2	2.48	4.7	13	<2	<100	0.98	5	8	4	<0.5
T14	BL07941			12		120	2		<0.01		<2		2.8		4	<100			43		<0.5
T14	BL07942	0.01																			
T14	BL07943								<0.01												

Map number	Sample number	Mg pct ICP	Mn ppm ICP	Mn ppm AAS	Mo ppm ICP	Mo ppm INAA	Mo pct Assay	Mo ppm AAS	Na pct ICP	Na pct INAA	Nb ppm ICP	Ni ppm INAA	Ni ppm ICP	Nb ppm XRF	Pb ppm ICP	Pb ppm AAS	Pb pct Assay	Pd ppb Assay	Pt ppb Assay	Rb ppm INAA	Rb ppm XRF
T3	BL06504	0.2	53		7	2			1.27	1.3	36	35	3		<2					220	
T3	BL06503													11							176
T3	BL06505	0.56	255		2				0.08				21		18					280	
T4	BL07930					2				3		<20								<10	
T4	BL07927	0.59	489		27	<2			1.17	<0.05	69	<20	50		8					88	
T5	BL07929	0.95	453		19	3			1.4	1.4	60	46	46		<2					120	
T5	BL07928	0.66	398		14	3			1.36	1.5	59	<20	24		6					130	
T6	BL07931					<2				2.2		<20								87	
T7	BL07945	0.63	410		<1	<2			1.4	1.4	13	<20	24		74					96	
T8	BL07944	0.64	498		3	<2			1.68	1.6	13	40	22		39					<10	
T9	BL07933	0.08	1949		9	5			0.3	0.3	8	28	12		175					86	
T9	BL07932	1.05	501		11	<2			1.52	1.5	58	52	44		67					150	
T10	BL07936	0.48	481		7	<2			3.99	2.8	15	<20	10		52					99	
T11	BL07934	0.75	1386		<1	<2			1.57	1.8	14	<20	21		3844						
T11	BL07935	0.52	864		2				0.06				21		27					17	
T12	BL06511					140				<0.05		<20								120	
T12	BL06510					100				0.09		<20								130	
T13	BL06508					9				0.15		<20								140	
T13	BL06509					8				0.13		<20								130	
T13	BL06507					10				0.17		33								120	
T14	BL06501	0.03	262		327	294	0.032		1.65	1.4	25	26	19		85						146
T14	BL06502													13						55	
T14	BL06506					53				0.07		32								86	
T14	BL06600	0.02	98		246	255			0.81	0.73	32	<20	7		24					150	
T14	BL07941					140		11		2.6		<20									110
T14	BL07942													8							207
T14	BL07943						0.005							13							

Map number	Sample number	Sb ppm ICP	Sb ppm INAA	Sb pct Assay	Sc ppm INAA	Se ppm INAA	Sm ppm INAA	Sn ppm ICP	Sn ppm INAA	Sr ppm XRF	Sr ppm ICP	Ta ppm ICP	Ta ppm INAA	Tb ppm INAA	Te ppm AAS	Te ppm ICP	Te ppm INAA	Th ppm INAA	Tl pct ICP	U ppm INAA	V ppm ICP
T3	BL06504	<5	4.7		11	<10	4.3	28	<200		20	<100	3	<1		39	<20	21	0.13	1.8	25
T3	BL06503									104											
T3	BL06505	<5						<20			46					<10					54
T4	BL07930		14		1	<10	2.3		<200				30	<1			<20	3.5		2.4	
T4	BL07927	<5	<0.2		<0.5	<10	<0.2	43	<200		130	<100	<1	<1		82	<20	<0.5	0.48	<0.5	124
T5	BL07929	<5	1.8		17	<10	5	60	<200		170	<100	2	<1		86	<20	10	0.46	3.1	141
T5	BL07928	<5	1.4		15	<10	4.9	35	<200		145	<100	3	<1		71	<20	12	0.39	4.1	97
T6	BL07931		35.3		2.3	<10	4.6		<200				1	<1			<20	19		4.4	
T7	BL07945	<5	1.8		7.5	<10	8	<20	<200		241	<100	<1	<1		<25	<20	21	0.29	4.1	56
T8	BL07944	<5	1		8.1	<10	5.7	<20	<200		211	<100	1	<1		<25	<20	15	0.33	3.3	55
T9	BL07933	29	14		3.1	<10	2	75	<200		213	<100	3	<1		<25	<20	1.9	0.07	7.6	46
T9	BL07932	<5	3.8		17	<10	3.9	36	<200		192	<100	1	<1		71	<20	10	0.37	3.1	119
T10	BL07936	42	39.5		8.2	<10	4.7	<20	<200		314	<100	1	<1		<25	<20	16	0.22	4.5	43
T11	BL07934	<5	36.8		10	<10	8.8	<20	<200		268	<100	<1	<1		<25	<20	26	0.4	4.8	60
T11	BL07935	<5						<20			52					<10					55
T12	BL06511		15		0.7	<10	0.7		<200				<1	<1			<20	21		1.4	
T12	BL06510		7.2		3.5	<10	1.5		<200				<1	<1			<20	38		2.6	
T13	BL06508		2.6		3.1	<10	3.3		<200				1	<1			<20	13		2	
T13	BL06509		4.1		3.9	<10	1.7		<200				1	<1			<20	19		1.8	
T13	BL06507		5.4		3.5	<10	3.7		<200				1	<1			<20	17		2	
T14	BL06501	<5	26.7		1.9	<10	6.4	<20	<200		33	<100	<1	<1		27	<20	20	0.03	4.7	3
T14	BL06502									442											
T14	BL06506		5.3		1.7	<10	1.1		<200				<1	<1			<20	8.9		1	
T14	BL06600	<5	0.6		2	<10	2.1	<20	<200		16	<100	3	<1		<25	<20	16	0.01	2.1	3
T14	BL07941		12		7.4	<10	4.6		<200				1	<1			<20	25		6.8	
T14	BL07942									675								•			
T14	BL07943									283											

Map number	Sample number	V ppm AAS	W ppm ICP	W ppm INAA	W pct Assay	Y ppm ICP	Y ppm XRF	Yb ppm INAA	Zn ppm ICP	Zn ppm INAA	Zn pct Assay	Zn ppm AAS	Zr ppm ICP	Zr ppm INAA	Zr ppm XRF						
T3	BL06504		<20	15		<5		<5	<2	<200			18	<500							
T3	BL06503						18								90						
T3	BL06505		<20			8			63												
T4	BL07930			<2				<5		<200				<500							
T4	BL07927		<20	<2		8		<5	80	<200			59	<500							
T5	BL07929		<20	4		7		<5	2	<200			33	<500							
T5	BL07928		<20	4		9		<5	<2	<200			30	<500							
T6	BL07931			3				<5		<200				<500							
T7	BL07945		<20	4		11		<5	92	<200			14	<500							
T8	BL07944		<20	13		13		<5	62	<200			11	<500							
T9	BL07933		174	718		<5		<5	98	<200			8	<500							
T9	BL07932		<20	3		<5		<5	29	210			32	<500							
T10	BL07936		<20	3		13		<5	37	<200			38	<500							
T11	BL07934		120	229		18		6	4068	4500			26	<500							
T11	BL07935		<20			9			67												
T12	BL06511			<2				<5		<200				<500							
T12	BL06510			5				<5		<200				<500							
T13	BL06508			11				<5		<200				<500							
T13	BL06509			6				<5		<200				<500							
T13	BL06507			4				<5		<200				<500							
T14	BL06501		<20	<2		11		<5	25	<200			37	<500							
T14	BL06502						19								133						
T14	BL06506			<2				<5		<200				<500							
T14	BL06600		<20	15		9		<5	24	<200			15	<500							
T14	BL07941			4				<5		<200				<500							
T14	BL07942						10								111						
T14	BL07943						20								119						

Map number	Sample number	SiO2 pct BF-ICP	TiO2 pct BF-ICP	Al2O3 pct BF-ICP	Fe2 pct BF-ICP	FeO pct TITRA	Fe2O3 pct BF-ICP	MnO pct BF-ICP	MgO pct BF-ICP	CaO pct BF-ICP	Na2O pct BF-ICP	K2O pct BF-ICP	P2O5 pct BF-ICP	LOI pct BF-ICP	Total pct BF-ICP
T3	BL06504														
T3	BL06503	73.06	0.12	12.85	0.39	0.52	0.97	0.03	0.09	0.27	4.43	4.57	0.1	2.5	98.99
T3	BL06505														
T4	BL07930														
T4	BL07927														
T5	BL07929														
T5	BL07928														
T6	BL07931														
T7	BL07945														
T8	BL07944														
T9	BL07933														
T9	BL07932														
T10	BL07936														
T11	BL07934														
T11	BL07935														
T12	BL06511														
T12	BL06510														
T13	BL06508														
T13	BL06509														
T13	BL06507														
T14	BL06501														
T14	BL06502	67.95	0.35	14.24	1.52	1.89	3.62	0.09	1.04	2.79	3.3	3.74	0.15	1.44	98.7
T14	BL06506														
T14	BL06600														
T14	BL07941														
T14	BL07942	56.91	0.75	17.37	3.53	3.76	7.71	0.22	2.66	6.24	3.28	2.76	0.3	1.45	99.65
T14	BL07943	69.65	0.31	12.5	2.84	1.53	4.54	0.06	0.95	1.67	2.03	5.04	0.16	4.29	101.19