TN
24
.A4
G46
1976
v.3

SAMPLE AND ANALYTICAL LOG OF CERTAIN LANDS WITHIN THE PROPOSED LAKE CLARK NATIONAL PARK

APPENDIX 2a

Data collected in the 1974 field season
by the Reconnaissance Crew.
(Samples lettered "A" on the plates)

3 3755 000 97792 6

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ABBREVIATIONS USED IN SAMPLE AND ANALYTICAL LOGS AND ON CORRESPONDING PLATES

Sample numbers and letters

C before the number denotes sample taken in 1973 field season

A before the number denotes sample taken in 1974 field season by the Reconnaissance crew

B before the number denotes sample taken in 1974 field season by the Mapping Crew

D before the number denotes sample taken in 1975 field season

S after the number denotes stream sediment sample

D after the number denotes soil (dirt) sample

R after the number denotes rock sample

Area

Il	Iliamna	LH	Lime Hills
KE	Kenai	SE	Seldovia
LC	Lake Clark	TY	Tyonek

Remarks

alvl - alluvial
av str dpth - average stream depth
clvl - colluvial
dpth - depth
fng - fine grained
fs - feldspar
glcl - glacial
grvl - gravel
hor - horizon
jting - jointing
med - medium
moist - moisture
org - organics
phenos - phenocrysts
rsdl - residual
str situs - stream situs
str wdth - stream width
vnlt - veinlet
wth - weathered, weathering

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0141-S	LCB4	47	1.6	2	25	145		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:low; str situs:alvl; quartz-biotite schist bedrock; float of 60% biotite-quartz schist with less than 1% pyrite, and 40% monzonite-quartz-monzonite; schist is N50°W45S
0142-S	LCB4	14	1.1	1	15	75		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; greenstone bedrock, maybe welded tuff, with trace of pyrite and weak chlorite alteration; greenstone float
0143-S	LCB4	20	1.6	9	25	95		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; no bedrock; float of 50% medium-grained granodiorite and 50% intermediate volcanics
0144-S	LCB4	18	1.2	1	25	65		Str wdth:<1; av str dpth:dry; in flood: no; size:silt; org:low; str situs:alvl; bedrock of medium-grained barren diorite
0145-S	LCB4	29	1.2	1	15	80		Str wdth:3-6; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; bedrock and nearly all float of medium-grained quartz-diorite, slightly porphyritic; fresh
0146-S	LCB4	42	1.4	2	20	135		Str wdth:<1; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; mostly quartz diorite
0147-S	LCB4	110	1.6	2	40	135		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; coarse-grained granite bedrock; float of 90% granite and 10% andesite and volcanics; near shear zone; strong to intense fracturing

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0148-D	LCB5	15	1.3	1	15	35		Dpth:10; hor:B; size:silt; moist:med; color:brown; soil situs:clvl; org:med; frozen:no; nearby andesite talus is massive, dark, and moderately fractured with less than 1% disseminated pyrite
0149-S	LCB5	29	1.9	1	65	310		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; no bedrock; float of andesite porphyry, slighly bleached, weakly iron-stained yellow
0150-S	LCB5	15	1.5	1	35	75		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; no bedrock; float 75% monzonite to coarse-grained granodiorite, 25% rhyolite flow with some dacite
0151-S	LCB3	16	1.0	6	25	70		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:high; str situs:alvl; bedrock of feldspar phenocrysts in dark fine-grained groundmass with iron staining; float of granodiorite with feldspathoid crystals in dark fine groundmass- trachyte?; iron staining; hematite?
0152-R	LCB3	12	0.7	3	10	65		Str wdth:1-3; av str dpth:1/2-1; type: chip; bedrock; bedrock of feldspar phenocrysts in dark fine-grained groundmass with iron staining; small outcrop, six feet by three feet; iron stained; is a volcanic, perhaps a trachyte; hematite?

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0153-S	LCB3	22	1.0	7	20	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs: alvl; only float; some red volcanic porphyries
0154-S	LCB3	22	0.9	2	20	85		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs: alvl; no bedrock; float of volcanics, basalt porphyries, trachytes, maybe some rhyolite
0155-S	LCB3	10	1.0	4	20	80		Str wdth:1-3; av str dpth:0-1/2; in flood:no; float of basalt and breccia tuff
0156-S	LCB3	23	0.9	2	15	55		Str wdth:1-3; av str dpth:1-2; in flood: no; size:silt; no bedrock or float; silt deposited on banks of grass
0157-S	LCB3	22	1.0	2	15	70		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:high; str situs:alvl; no bedrock; float of volcanics, porphyritic basalt, and trachytes- iron stained
0158-S	LCB3	24	1.0	2	20	75		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand; org:low; str situs: alvl; no bedrock; float of light volcanics and rhyolites- iron-stained; some hematite
0159-S	LCB3	17	0.9	2	15	55		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; no bedrock; color of float is red and yellow; iron-stained rhyolites or trachytes and some breccias
0160-D	LCB3	23	1.1	3	25	80		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs: alvl; type:grab; float; no bedrock; float of hematite-rich volcanics: breccias, dacites, basalts; pyrite; hematites

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0161-R	LCB3	15	1.0	1	20	65		Type:grab; float; float of iron-stained volcanics; hematite
0162-S	LCB3	19	0.9	1	20	70		Str wdth:3-6; av str dpth:>2; in flood: no; size:sand; org:low; str situs:alvl; float of volcanic breccia and meta-sediments
0163-S	LCB3	19	0.9	1	20	75		Str wdth:6-10; av str dpth:>2; in flood: no; size:sand; org:low; str situs:alvl; bedrock apparently of shale with folia-tion on other side of stream; float of rhyolites, andesites, and breccias; foliation trends N4°W, dips 74°E
0164-S	LCB3	24	0.8	1	20	75		Str wdth:15-25; av str dpth:>2; in flood:no; size:sand; org:low; str situs: alvl; no bedrock; float of rhyolites, tuff breccias, granodiorites, and andesite or basalt; approximately 150 feet upstream from sample site is a sandstone with volcanic clasts in it
0165-S	LCB3	20	0.8	1	20	70		Str wdth:15-25; av str dpth:>2; in flood:no; size:sand; org:low; str situs: alvl; no bedrock; float of basalt, granodiorite, and rhyolite
0166-D	LCB4	23	0.9	1	15	60		Str wdth:1-3; in flood:no; size:sand; org:high; str situs:clvl; float composed of boulders of dacites and andesites with no mineralization; stream was covered with snow
0167-D	LCB4	16	0.8	1	15	35		Str wdth:1-3; in flood:no; size:sand; org:high; str situs:clvl; float is com-posed of dacites and volcanic breccia; stream is snow-covered

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0001-D	LCB4	22	1.4	3	55	90	Au <.1	Dpth:4; hor:A; size:clay; moist:med; color:yellow; soil situs:clvl; org: low; frozen:no; quartz-rich granitic (granophere?) bedrock and float; probably shallow intrusive; moderate to light iron staining on fractures; 30% 1-3 mm. quartz phenocryst; remainder orthoclase and mafics(?) and 1/2-1% pyritic boxworks
0002-S	LCB4	41	1.1	2	70	600	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs:alvl; mixed volcanic and granite float (see 0001 for granitic rock description); valley snowfilled above sample site; washed from moss
0003-S	LCB4	40	1.1	9	50	550	Au <.1	Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:grvl; org:low; str situs:alvl; granite and quartz-rich volcanics
0004-S	LCB4	18	1.3	1	35	125	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; no bedrock observed; float 50% hornblende quartz monzonite, 30% intermediate volcanics, and 20% acid volcanics
0005-S	LCB4	18	1.1	<1	35	110	Au <.1	Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock observed; float 80% intermediate volcanics (dacite?), 10% hornblende quartz monzonite, and 10% volcanic breccia

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0006-D	LCB4	15	1.1	1	30	140	Au <.1	Size:sand; moist:dry; color:brown; soil situs:clvl; org:low; frozen:no; no bedrock observed; float in dry drainage; colluvial material in banks contributing most fines; float 90% volcanic (dacite?) breccia and 10% olivine basalt and gabbro(?)
0007-S	LCB4	19	1.5	2	25	115	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs: alvl; volcanic breccia (dacite) bedrock and float; deeply cut channel
0008-S	LCB4	25	1.3	1	30	150	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs: alvl; bedrock of dacite-rhyolite flow breccia; float of pyroclastics and rock fragments
0009-S	LCB4	20	1.3	2	20	85	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:med; str situs: alvl; no bedrock observed; float of intermediate to acid volcanics; some basalt and glassy fragments
0010-S	LCB4	21	1.2	2	40	190	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs: alvl; bedrock of fine-grained gray-buff latite(?); float 80% like bedrock and 20% granitic
0011-S	LCB4	17	0.9	1	30	65	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs: alvl; no bedrock observed; float 70% graywacke with common rounded rock fragments and feldspars, remainder tuff(?) acid volcanics

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0021-S	LCB4	18	1.1	1	30	140	Au <.1	Str wdth:3-6; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; no bedrock observed; float 70% basic and intermediate volcanics, 10% acid volcanics, 10% biotite granite, and 10% graywacke
0022-R	LCB4	3	0.5	1	10	65	Au <.1	Type:grab; bedrock; altered biotite, granite biotite altering to chlorite; feldspar is pink, perhaps argillized; no quartz veining or zoning observed
0023-S	LCB4	20	1.3	1	35	155	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs: alvl; biotite granite bedrock; from small creek adjacent to granite outcrop 0022
0024-R	LCB4	10	0.6	1	15	110	Au <.1	Type:grab; rubble crop; fault breccia bedrock; between dacite and gneiss-schist; argillized matrix with rock fragments
0025-R	LCB4	36	0.9	1	5	50	Au <.1	Type:grab; bedrock; pyrite-bearing biotite quartz schist; 1-2% fine to very fine-grained white pyrite; crop located 50 feet north of fault sampled in 0024
0026-D	LCB3	27	1.6	5	45	90		Dpth:4; hor:C; size:silt; moist:dry; color:brown; bedrock of intermediate and basic volcanics; float shows some argillic alteration and traces of pyrite; local iron staining; sample represents dirt in talus stream filled with snow
0027-S	LCB3	30	1.6	3	30	140	As 30	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand; org:low; str situs: alvl; iron staining; basic volcanics and volcanic breccia; local conglomerate cemented by iron; cubic pyrite in some volcanics

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0028-S	LCB3	17	1.4	1	20	95	As 30	Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand; org:med; str situs: alvl; bedrock of mafic volcanics; float of rounded outcrops; some magnetite locally; stream filled with snow
0029-S	LCB3	15	1.4	1	15	45		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:high; str situs:alvl; small diameter float of volcanics and volcanic breccia; strong weathering; no outcrop
0030-S	LCB3	16	1.6	3	30	60	As 25	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:med; str situs:alvl; volcanic and volcanic breccia float; slight iron staining but little or no sulfide; clastic size less than 1/2 inch
0031-S	LCB3	16	1.5	2	25	75	As 25	Str wdth:3-6; av str dpth:1-2; in flood:no; size:sand; org:low; str situs:alvl; outcrop near glassy andesite cut by veins of jasper; andesite highly fractured
0032-S	LCB3	24	1.4	2	25	85	As 30	Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt/clay; org:low; str situs:alvl; float and outcrop of volcanics and volcanic breccia; intermediate composition; lot of red volcanics- hematite
0033-S	LCB3	19	1.5	2	40	120	As 30	Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:low; str situs:alvl; volcanics in outcrop are green from chloride; upstream volcanics fractured and iron stained with trace of pyrite
0034-S	LCB4	26	1.9	1	60	160		Acidic volcanics with laminations; large drainage with high water; 10% or less each breccia of volcanic origin and probably dikes- granitic

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0035-S	LCB4	22	1.2	1	45	175		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; acidic volcanics and volcanic breccia; suspected fine-grained intrusive- 10%; no sulfides observed;
0036-S	LCB4	23	1.2	1	45	210		Str wdth:6-10; av str dpth:1-2; size: sand; org:low; str situs:alvl; float of acidic volcanics and volcanic breccia; 10% medium-grained diorite; large drainage
0037-R	LCB4	18	2.1	1	75	90	Au <.1 As 25	Type:grab; rubble crop; fine-grained siliceous rock of granitic composition; strongly altered to clay and some sericite; relict ferromagnesium mineral; strongly fractured and iron stained
0038-R	LCB4	10	2.1	2	150	205	Au <.1 As 185	Type:grab; rubble crop; strongly fractured iron and magnesium stained intrusive of granitic composition; argillic alteration and some sericite; no sulfides identified
0039-R	LCB4	39	5.2	1	800	265	Au <.1 As 30	Type:grab; bedrock; all these rocks are very siliceous- aplite; some have vague orbicular texture; others near laminations of quartz and feldspar; strong iron, manganese, and fracturing
0040-R	LCB4	9	1.4	3	70	100	Au <.1 As 150	Type:grab; rubble crop; aplite with strong iron and manganese staining and fracturing; very siliceous; relict phenocrysts are partially resorbed and now round, giving the appearance of orbicular texture

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0041-R	LCB4	30	1.3	4	15	50	Au <.1 As 45	Type:grab; rubble crop; aplite- strong fracturing and iron stain; some manganese; fracture surface coloring; no sulfides observed
0042-S	LCB4	33	1.6	3	60	215		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:grvl/sand; org:low; str situs:alvl; outcrop of coarse-grained biotite granite; float of volcanics, some with jasper; one piece of quartz-bioschist with trace of chalcopyrite
0043-S	LCB4	18	1.5	1	35	135		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; no outcrop; float of mostly coarse-grained biotite granite; some basic volcanics
0044-S	LCB4	18	1.6	1	25	105		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:grvl/sand; org:med; str situs:alvl; float mostly acid volcanics; some biotite granite
0045-S	LCB4	20	2.0	2	70	115		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; outcrop and float of biotite granite to granodiorite, medium-grained
0046-S	LCB4	30	4.2	2	40	175		Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:grvl/sand; org:med; str situs:alvl; float mostly biotite granite and granodiorite; some basic volcanics from top of ridge
0047-S	LCB5	33	3.0	1	15	110		Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs:alvl; outcrop and float of biotite-quartz schist; trace of pyrite gives local color

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0048-S	LCB5	41	2.1	1	20	140		Str wdth:6-10; av str dpth:1/2-1; in flood:yes; size:sand; org:low; str situs: alvl; quartz-biotite schist and gneiss locally having near pegmatitic quartz layers
0049-S	LCB5	42	2.0	1	20	155	X	Str wdth:6-10; av str dpth:1/2-1; in flood:yes; size:sand; org:low; str situs: alvl; float mostly biotite-quartz schist and gneiss; a few boulders of diorite and granodiorite
0050-S	LCB5	40	1.7	1	15	165		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs: alvl; quartz-biotite schist and gneiss
0051-S	LCB5	46	1.6	1	20	165		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs: alvl; outcrop and talus of biotite-quartz schist
0052-S	LCB5	28	1.2	1	20	115		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs: alvl; outcrop and detritus of quartz-biotite schist and gneiss; gneissic layers of quartz and biotite; local iron stain, but no sulfides
0053-S	LCB5	29	1.7	1	20	75		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:low; str situs:alvl; biotite-quartz schist detritus
0054-S	LCB5	38	1.2	1	15	110		Str wdth:6-10; av str dpth:1-2; in flood: yes; size:sand; org:low; str situs:alvl; biotite-quartz gneiss float and 30% biotite-diorite float; lot of water
0055-S	LCB5	46	2.1	1	35	140		Str wdth:<1; av str dpth:0-1/2; in flood: no; size:silt; org:high; str situs:alvl; biotite-quartz gneiss outcrop and float

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0056-S	LCB5	39	1.4	1	20	120		Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs:alvl; mostly biotite-diorite with some biotite-quartz gneiss; nothing exciting
0057-S	LCB5	30	2.0	2	50	230		Str wdth:<1; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; dacite porphyry and rhyodacite; weathers brown
0058-S	LCB5	38	1.4	4	55	230		Str wdth:6-10; av str dpth:1/2-1; in flood:yes; size:silt; org:low; str situs:alvl; outcrop and detritus of granite-granodiorite; weathers tan
0059-S	LCB5	23	1.9	4	40	90		Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; talus of dacite and rhyodacite; no sulfides
0060-S	LCB5	11	1.4	10	20	50		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs: alvl; drainage from dacite and dacite porphyry
0061-S	LCB5	28	1.0	1	15	35		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs: alvl; talus slope of dacite porphyry
0062-S	LCB5	38	1.4	1	40	90		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:low; str situs: alvl; large stream draining talus of dacite porphyry
0063-S	LCB5	99	1.5	1	80	130	Au <.1	Str wdth:<1; av str dpth:dry; size:sand; org:low; str situs:alvl; talus gully draining quartz-sericite pyrrhotite schist and siltstone; strong iron staining

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0064-S	LCB3	20	1.5	2	15	100	Ni 22	Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand/silt/clay; org: low; str situs:alvl; 45% gray-green andesite; 45% dark gray-green to black basalt, commonly with calcite-filled amygdules; chlorite and hemotite alteration; low grade metamorphics; 10% graywackes and other fine-grained sediments; one serpentined mafic gabbro (pyroxenite?) boulder with 1%(?) very fine-grained sulfide (see 0065)
0065-R	LCB3	95	1.1	1	5	30	Ni 55	Type:grab; float; serpentined pyroxenite?; 5-10% felsic minerals; 90-95% serpentined(?) pyroxenite; less than 1% very fine-grained pyrite and violarite(?)
0066-S	LCB3	16	1.2	3	30	80		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt/clay; org:med; str situs:alvl; 45% andesite (as for 0064), 45% basalt (as for 0064), and 10% sandstones; no outcrop
0067-S	LCB3	17	1.3	3	30	80		Str wdth:<1; av str dpth:dry; in flood: no; size:silt/clay; org:low; str situs: clvl; no outcrop; float of pale gray-green andesite with flesh pink feldspar crystals
0068-S	LCB3	20	1.5	3	25	75		Str wdth:1-3; av str dpth:dry; in flood:no; size:silt/clay; org:med; str situs:clvl; no outcrop; float predominantly intermediate to acidic tuffs (welded?) and vitric-lithic tuffs (fragments about 1 cm.); dark green speckled dolerite, pale green sandstone, and fine-grained sediments are rare

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0069-S	LCB3	14	1.2	2	25	95		Str wdth:<1; av str dpth:dry; in flood: yes; size:silt/clay; org:med/high; str situs:alvl; sample taken just below confluence of small side tributary; no float or outcrop in main stream, but in side stream mainly tuffs (andesitic)- lithic and lithic-crystal; lesser andesite and basalt flow rocks
0070-S	LCB3	19	1.3	2	15	55		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand/silt/clay; org: med; str situs:alvl; no outcrop; assorted andesitic tuffs; many lapilli- some welded(?); lesser andesite and basalt flow rocks
0071-S	LCB3	16	1.3	2	25	85		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; no outcrop; float 60% tuffs, coarse-grained lapillic tuff, plus andesite and basalt flow rocks
0072-S	LCB4	19	1.4	1	20	105		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand/silt/clay; org: med; str situs:alvl; no bedrock in immediate vicinity; float predominantly (80%) rhyodacite volcanics, dark green in color; 1/2-1% pyrrhotite in one boulder with some epidotes of feldspar; biotite alteration(?) in another stone; 15% rhyolite tuffs- ash with rare fragments and crystals; 5% (one boulder) fresh rhyolite with (biotite?) pyramidal quartz grains and pink orthoclase crystals

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0073-S	LCB4	20	1.5	2	40	145		Str wdth:6-10; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt; org: low; str situs:bedrock; outcrop of fine-grained pale gray rhyolite tuff, moderately fractured, with no staining; float of pale gray tuff; 30% coarse-grained hornblende granodiorite with weak epidotes and feldspar; pink-white medium-grained biotite (5%) granite; quartz (5%) porphyry rhyolite
0074-S	LCB4	27	2.5	3	50	205		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt/clay; org:med; str situs:alvl/bedrock; bedrock of highly fractured (some slickensides) fine to medium-grained rhyolite (?) tuff(?); float of 70% rhyolite(?) tuffs and tuff breccias (more breccia than tuff), 10% biotite granite, 20% rhyodacite to dacite with chlorite and biotite(?) and weak epidote alteration and less than 1/2% pyrite
0075-S	LCB4	22	1.3	1	20	120		Str wdth:1-3; av str dpth:1/2-1; in flood:no; org:low; str situs:bedrock; size:grvl/silt/clay; intensely fractured felsic (rhyolite?) tuff outcroping; float same as outcrop plus rhyodacite to dacite volcanics, tuffs, and tuff breccias
0076-S	LCB4	53	1.5	3	45	1250	As 130	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:bedrock; outcrop of fresh unaltered biotite granite- medium to coarse-grained, unmineralized, with weak to moderate fractures

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0077-R	LCB4	21	0.6	1	25	420	Au <.1 As 650 W 4 Sn 50	Type:grab; float; moderately fractured, limonite-stained, leached, coarse-grained granite; only distinguishable mineral is quartz; feldspar bleached but not clay yet; mineral fracture controlled; some MnO_2 present; compare assay results with those from in situ samples upstream
0078-S	LCB4	9	0.9	1	25	75	As 40	Str wdth:10-15; av str dpth:dry; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:alvl; float 99% biotite granite, medium to coarse-grained; medium-grained variety is usually about 10% biotite, while coarse-grained variety is about 25% biotite; unaltered and unmineralized
0079-S	LCB4	19	1.7	2	35	80	As 210	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt/clay; org: low; str situs:alvl; same as for 0078
0080-S	LCB4	8	1.0	1	40	100		Str wdth:>25; av str dpth:dry; in flood: no; size:grvl/sand/silt; org:low; float 80% biotite granite- fresh, unmineralized, coarse-grained; 15% dark gray-green dacite with some hematite staining; 5% fine-grained (biotite?) hornfels with 1/2% disseminated fine-grained pyrite, felsite, and volcanic conglomerate; other sediments rare
0081-S	LCB4	23	1.2	4	20	105		Str wdth:15-25; av str dpth:1-2; in flood:no; size:grvl/sand/silt/clay; org:low; float of coarse-grained biotite granite (as for 0078, 0079, and 0080); stream emerges from foot of talus slope

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0082-R	LCB4	50	1.7	2	5	340	Au <.1 As 125 W 9 Sn 200 Hg <20 ppb	Type:chip; hi graded; mineralized (leached but limonite-stained) fracture zone; quartz-porphyry granite; trending 055°/70° SE; sample is of one inch wide central zone which is most heavily mineralized; weak sericite alteration; a pale yellow alteration mineral present in small amounts
0083-S	LCB5	32	1.7	1	15	90		Str wdth:10-15; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float of 80% moderate to well-foliated biotite gneiss and 2% coarse-grained biotite granite
0084-S	LCB5	36	1.3	1	15	115		Str wdth:6-10; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:alvl; 98% biotite gneiss and 2% coarse-grained biotite granite
0085-S	LCB5	46	1.5	1	20	165		Str wdth:3-6; av str dpth:1/2-1; size: grvl/sand/silt; org:low; str situs: alvl; float 100% biotite gneiss (as for 0083 and 0084)
0086-S	LCB4	32	1.4	1	15	110		Size:sand/silt/clay; org:high; str situs:bedrock; outcrop and float 100% biotite gneiss; some milky quartz veins, up to one foot, in float; biotite possibly coarser grained than at head of valley and with more clots(?); higher grade metamorphics(?); gneissosity 155/ 20° E; no mineralization noted

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0087-S	LCB4	37	1.5	1	20	135		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand/silt/clay; org: high; str situs:bedrock; float and outcrop 98% biotite (pale pink garnet) gneiss; some limonite-stained boulders but only a trace of pyrite; float 2% white biotite granite (different from Kijik Mountain)
0088-S	LCB4	42	2.1	1	25	140		Str wdth:6-10; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt; org: low; str situs:bedrock; biotite gneiss in outcrop and float- no garnet seen; float of 90% biotite gneiss and 10% biotite granite; correlate gneiss with that at head of valley
0089-S	LCB5	70	2.1	3	115	325		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; 85% hornfelsed sediments (or tuffs)- some limonite staining but up to 1/2-1% disseminated fine-grained pyrite or pyrrhotite only; 10% granite; 5% porphyry dacite (hornfelsed) and aplite
0090-S	LCB5	24	1.6	1	55	100		Valley snowfilled; sample taken from bank of stream; old for material derived from area of drainage; float 90% (biotite) granite (biotite is rotted out), 10% hornfelsed sediments or tuffs (with up to 1/2% pyrite or pyrrhotite) and dacite volcanics
0091-S	LCB4	15	1.2	1	20	90	Au <.1 As 50	Str wdth:1-3; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs:alvl; located on left side of stream 3 feet wide and one foot deep; fine sediment
0092-S	LCB4	13	1.2	1	15	85	Au <.1	Str wdth:3-6; av str dpth:1/2-1; size: sand; org:med; str situs:alvl

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0093-S	LCB4	12	1.0	1	15	70	Au <.1 As 40	Str wdth:6-10; av str dpth:1/2-1; size: sand; org:low; str situs:alvl; on the stream
0094-R	LCB4	8	0.8	1	25	155	Au <.1	Type:chip; bedrock; gray-colored volcanic breccia(?); very silicified; strongly altered outcrop; chlorite(?)
0095-R	LCB4	6	1.0	2	20	140	Au <.1	Type:chip; bedrock; gray-colored, highly intemperized on surface; rock type is lufite(?); very silicified; shows some iron staining
0096-S	LCB4	14	1.1	1	15	100	Au <.1	Str wdth:10-15; av str dpth:1-2; size: sand; org:med; str situs:alvl
0097-S	LCB4	12	1.1	1	20	105	Au <.1	Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs:alvl; on the stream
0098-R	LCB4	7	0.9	2	20	150	Au <.1	Type:chip; bedrock; slate(?); very silicified; gray-greenish in color; hematite(?); very shattered
0099-R	LCB4	14	1.4	4	15	135	Au <.1	Type:chip; bedrock; very silicified volcanic breccia(?); shows iron staining; shattered and fractured; outcrop approximately 25 feet; feldspathization
0100-S	LCB4	12	1.0	1	15	90	Au <.1	Str wdth:10-15; av str dpth:1-2; in flood:yes; size:sand; org:med; str situs:alvl; on the stream; very sandy
0101-R	LCB4	89	1.1	1	10	75	Au <.1	Type:chip; bedrock; dacite bedrock and float; some pyrite is visible; fine dissemination; very silicified; some feldspar alteration; fractured; E-W dip 52° N
0102-R	LCB4	31	0.8	1	15	55	Au <.1	Type:chip; bedrock; granite bedrock with abundant quartz; quartz-feldspar and mafics visible in float; no ore mineralization
0103-S	LCB4	26	0.9	5	20	60	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; granite bedrock and float

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0104-S	LCB4	28	1.3	4	45	70	Au < .1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:bedrock; granite bedrock
0105-S	LCB4	39	0.9	1	35	110	Au < .1	Str wdth:6-10; av str dpth:1-2; in flood:yes; size:sand; org:low; str situs:bedrock; granite bedrock
0110-S	LCB4	19	0.8	1	30	50	Au < .1	Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:low; str situs:bedrock; granite bedrock
0111-S	LCB4	20	0.7	2	25	55	Au < .1	Str wdth:6-10; av str dpth:1/2-1; size: sand; org:low; str situs:alvl; sample was taken in the middle of the stream
0112-S	LCB4	30	1.2	6	40	85	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood:yes; size:sand; org:med; str situs:alvl; granite bedrock
0118-S	LCB5	57	1.6	3	40	285	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: yes; size:sand; org:med; str situs:alvl
0119-R	LCB4	46	1.6	3	15	135	Au < .1	Type:grab; bedrock; rhyodacite; plagio-clase is altered, showing cavities on the outcrop; some feldspar is altered; no ore mineralization present
0120-R	LCB4	35	1.7	2	20	125	Au < .1	Type:grab; bedrock; dacite(?); very compact; some plagioclase crystals; there are greenish spots on the samples, especially from the outcrop, due to plagioclase decomposition; no sulfides present
0121-S	LCB4	50	3.1	1	50	215	Au < .1	Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:low; str situs:bedrock
0122-S	LCB4	91	1.6	2	35	140	Au < .1	Str wdth:6-10; av str dpth:1-2; in flood:yes; size:sand; org:med; str situs:bedrock
0123-S	LCB4	460	3.6	8	50	290	Au < .1	Str wdth:6-10; av str dpth:1/2-1; in flood:no; size:sand; org:low
0124-R	LCB 4	10	1.0	2	20	80	Au < .1	Type:chip; float; rhyodacite float(?); very altered; plagioclase is corroded, greenish; no ore mineralization present

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0125-R	LCB 4	10	0.6	2	10	85	Au <.1	Type:chip; float; porphyry rhyodacite(?) float; quartz in some rounded grains; plagioclase and feldspar shows some alteration; material picked up from talus
0126-R	LCB4	10	0.8	2	10	85	Au <.1	Type:chip; float; rhyodacite(?) float; plagioclase and feldspar shows some corrosion; quartz in fine ricklets; taken from talus
0127-R	LCB5	90	1.1	1	15	255	Au <.1	Type:chip; float; granodiorite bedrock; float of medium-grained porphyry granodiorite; quartz, feldspar, and plagioclase; feldspar and plagioclase show some sericitization; no ore mineralization
0128-S	LCB4	29	1.8	3	30	105		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:sand; org:med; str situs:alvl; no bedrock; float 90% dacite porphyry, less than 5% rhyolite; 20% of dacite porphyry contains less than 3% disseminated pyrite; 10-20% of float is light to dark brown iron stained; rhyodacite float is slightly argillized
0129-R	LCB4	22	1.4	3	15	55		Type:grab; float; hi graded; no bedrock; comes from same area as 0128; chips of several iron stained and pyritized dacite porphyry cobbles; moderately rounded; pyrite is finely disseminated and on fractures (1-3%); 5% dacite-andesite tuff breccia with 1-3% pyrite
0130-S	LCB4	33	1.6	2	40	100		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock; float 100% andesite to dacite porphyry; some show flow banding; no alteration; no sulfides

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0131-S	LCB4	28	1.3	2	20	105	Au <.1 As 50	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; no bedrock; float 10% quartz diorite, 20% volcanic breccia, 60% dacite or andesite porphyry; very fine-grained massive pyrite-pyrrhotite; secondary biotite(?) 10%, sphalerite 1-2%, with 10% quartz in 10% of stream float; weak to strong silicification; weak chlorite alteration in some volcanics; breccia has pyrite fragments and pyrite in matrix- 1-3%
0132-R	LCB4	180	5.8	50	5	295	Au <.1 As 20	Type:grab; float; hi graded; no bedrock; float same as 0131; chips of several different pieces of float have massive, fine-grained pyrite and secondary biotite(?), quartz, and sphalerite
0133-S	LCB4	34	1.7	3	25	170		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; dacite porphyry and volcanic breccia slightly upstream; float has 10% dark brown iron-stained quartz-biotite schist and 90% dacite porphyry and volcanic breccia; schist contains 1-2% pyrite
0134-S	LCB4	51	1.9	6	15	185		Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand/silt; org:med; str situs:alvl; bedrock near biotite-quartz schist, dark brown iron stain, with 1% pyrite; float 10% quartz diorite, 70% quartz-biotite schist, and 20% volcanics

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0168-D	LCB4	46	1.1	9	70	315		Str wdth:3-6; in flood:no; size:grvl; org:low; str situs:alvl; float outcropping through snow on small side stream emptying into main stream; float of dacites, basalt porphyries, and rhyolites; dacite outcrops periodically along stream; has a fifty foot rhyolite dike trending N54°E and dipping 14°SE; located at an elevation of 2480 feet
0169-S	LCB4	32	1.0	1	40	160		Str wdth:3-6; av str dpth:dry; in flood: no; size:sand; org:low; str situs:clvl; float of rhyolite, dacite, and some basalt
0170-S	LCB4	30	1.1	3	35	140		Str wdth:6-10; av str dpth:1-2; in flood:no; small outcrop (five feet by five feet) of dacite; float composed of basalt and dacite
0171-S	LCB4	29	1.2	2	50	170		Str wdth:3-6; av str dpth:>2; in flood: no; size:sand; org:med; str situs:alvl; float of porphyritic basalt, hematitic andesite, and some light-colored volcanics; some fine-grained diorite float also; 150 feet downstream from sample site is a rhyolite outcrop 100 feet by 30 feet
0172-S	LCB4	25	1.2	2	40	150		Str wdth:1-3; av str dpth:dry (snow covered); in flood:no; size:sand; org: high; str situs:alvl; iron-stained rhyolites and andesites and dacite with pyrite veining in it

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0173-D	LCB4	35	1.1	2	30	105		Str wdth:15-25; av str dpth:1-2; in flood:no; size:sand; org:med; str situs: clvl; float of basalt, dacites, maybe some andesite
0174-S	LCB4	25	1.1	2	40	190		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs: alvl; float of volcanic breccia, basalt with 2% disseminated pyrite, andesites, and small outcrop of latite(?)
0175-S	LCB4	15	0.9	1	30	95		Str wdth:6-10; av str dpth:1-2; in flood:no; size:grvl; org:low; str situs: alvl; no bedrock apparent; float of dacites and andesites
0176-D	LCB4	29	1.0	1	50	70		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:grvl/sand; org:med; str situs:clvl; float of volcanics, rhyolites, andesites, and dacites
0177-S	LCB4	28	1.2	3	15	110		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs: alvl; float of mainly dacite porphyry; much snow covering stream
0178-S	LCB4	25	1.3	2	20	80		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; float of mainly diorite porphyry
0179-S	LCB4	28	1.2	1	25	90		Str wdth:6-10; av str dpth:1/2-1; in flood:yes; size:silt; org:high; str situs:alvl
0180-S	LCB4	83	1.1	2	25	160		Str wdth:10-15; av str dpth:1-2; in flood:yes; size:sand; org:low; str situs: alvl
0181-S	LCB4	41	1.3	1	15	100		Str wdth:<1; av str dpth:0-1/2; in flood: yes; size:silt; org:med; str situs:alvl
0182-S	LCB4	22	I.2	3	15	90		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs: alvl; float composed of granite, diorite porphyry, and granite gneiss

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0183-R	LCB4	21	0.9	1	10	75		Type:grab; float; large boulder on level area of valley floor contains garnet, biotite, quartz; rock is banded with quartz layers and lenses and micaceous layers (gneissic)
0184-S	LCB4	56	1.2	2	20	150		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float of mostly diorite gneiss and migmatite; much of stream is covered with snow; some iron staining
0185-S	LCB4	25	1.0	3	15	95		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float is diorite gneiss and migmatite; some iron staining on dark minerals
0186-S	LCB4	22	1.2	3	10	85		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of dacite porphyry and diorite gneiss
0187-S	LCB4	25	1.0	3	15	60		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; float 50% dacite porphyry, 30% granite, and 20% quartz mica schist
0188-S	LCB4	66	1.3	1	30	140		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of quartzite (20%), mica schist, and migmatite; some iron staining on rocks
0189-S	LCB4	47	1.1	1	20	200		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of granite gneiss and quartz mica schist; some iron staining on schist

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0190-S	LCB4	28	1.2	2	30	155		Str wdth:1-3; av str dpth:0-1/2; size: silt; org:med; str situs:alvl; float composed mainly of granite (50%) and dacite porphyry; iron staining on fractures
0191-S	LCB4	30	1.3	2	25	135		Str wdth:1-3; av str dpth:0-1/2; size: silt; org:med; str situs:alvl; float of dacite porphyry and granite
0192-S	LCB4	82	1.5	2	60	500		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; bedrock of volcanic breccia with dacitic groundmass; float of volcanic breccia; some rocks are very iron-stained; manganese also stains some rocks
0193-R	LCB4	74	1.0	3	140	255		Type:grab; float; bedrock of volcanic breccia with dacitic groundmass; float of volcanic breccia; iron and manganese staining
0194-S	LCB4	20	0.9	1	20	125		Str wdth:1-3; av str dpth:0-1/2; size: silt; org:high; str situs:alvl; gabbro bedrock; float of gabbro and volcanic breccia; iron staining on fractures in gabbro
0195-S	LCB4	36	1.1	1	15	120		Str wdth:10-15; av str dpth:1/2-1; size:sand; org:med; str situs:alvl; bedrock of gabbro with iron staining on fractures; float of gabbro and quartz mica schist; iron staining on some rocks
0196-S	LCB4	57	1.4	2	30	190		Str wdth:1-3; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs: alvl; float of dacite porphyry and quartz mica schist (gneissic)

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0197-S	LCB4	35	1.3	2	25	110		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; float of volcanic breccia (30%), dacite gneiss, dacite porphyry; iron staining on some rocks
198-S	LCB5	13	1.2	1	15	50		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float mainly dacite porphyry; iron staining on some rocks; snow covers much of stream
0199-S	LCB5	14	1.3	3	15	45		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float mainly dacite porphyry; snow covers much of stream
0200-S	LCB5	17	1.5	1	15	40		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float of dacite porphyry; snow covers much of stream; stream flows under talus downstream
0201-R	LCB5	77	1.6	2	15	100		Type:grab; float; most float of dacite porphyry; only one rock found of amygdaloidal basalt(?); some amygdules partly altered to epidote(?), originally zeolite(?)
0202-S	LCB5	18	1.5	1	25	55		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float of dacite porphyry; granite less than 1%; much of stream covered by snow; flows under talus downstream
0203-D	LCB5	11	1.0	1	10	25		Dpth:4; hor:A; size:silt; moist:med; color:brown; soil situs:talus; org: high; frozen:no; float of dacite porphyry; soil near bottom of talus fan; many rocks iron stained

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0204-D	LCB5	10	0.7	1	10	20		Dpth:1; size:silt; moist:med; color: brown; soil situs:talus; org:high; frozen:no; float of dacite porphyry
0205-S	LCB5	17	1.2	1	20	40		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of dacite porphyry
0206-D	LCB5	11	0.9	1	15	45		Dpth:1; size:silt; moist:wet; color: brown; soil situs:talus; org:high; frozen:no; float of dacite porphyry; some of the more weathered rocks are highly manganese-stained inside
0207-S	LCB5	10	1.2	1	15	30		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of dacite porphyry; much of stream is snowcovered
0208-D	LCB5	17	1.3	1	20	40		Dpth:1; size:silt; moist:wet; color: brown; soil situs:talus; org:low; frozen:no; float of dacite porphyry
0209-R	LCB5	6	0.5	1	25	45	Au <.1	Type:grab; rubble crop; dacite porphyry; altered area 25 feet across, 100 feet up slope; iron and manganese staining; area of columnar jointed dacite porphyry about 400 feet in diameter in floor of valley at slope bottom[illegible]
0211-S	LCB5	14	1.4	1	25	80		Str wdth:1-3; av str dpth:0-1/2; size: silt; org:med; str situs:alvl; float of volcanic breccia and dacite porphyry; many rocks very weathered and iron-stained

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0212-S	LCB5	16	1.5	2	20	70		Str wdth:<1; av str dpth:0-1/2; size: silt; org:med; str situs:alvl; float of dacite porphyry; stream is one of several small streams from upper ravine
0213-R	LCB4	890	3.2	3	20	120	Au <.1	Type:grab; rubble crop; dacite porphyry; highly oxidized and iron-stained; plagioclase argillized
0214-R	LCB4	540	2.2	3	10	115	Au 1.5	Type:grab; bedrock; dacite porphyry; highly oxidized and iron-stained area; some manganese staining
0215-R	LCB4	97	2.1	5	260	900	Au <.1	Type:grab; rubble crop; dacite porphyry; highly oxidized and iron-stained; heavy manganese staining
0216-R	LCB4	73	0.8	4	140	160	Au <.1	Type:grab; rubble crop; rhyodacite porphyry; oxidized area with iron and manganese staining
0217-S	LCB5	64	2.1	2	75	290		Size:silt/clay; str situs:alvl; float of 85% fresh dark gray quartz-monzonite porphyry; feldspar phenocrysts up to one centimeter; mafics predominantly biotite (some hornblende?); no mineralization or alteration; 15% biotite granite; sample of bare dirt from edges of snow-filled gully has been transported down slope
0218-R	LCB5	320	32.0	5	300	950	Au <.1 As 35 W <.005%	Type:grab; rubble crop; float; hi graded; oxidized limonite-stained aplite(?); most limonite is transported but some good boxworks present, especially associated with cavities lined with quartz crystals; fairly goethitic limonite; fresh quartz monzonite(?) and granite make up other 99% of float; some traces of chlorite alteration along fractures

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0219-S	LCB5	34	1.7	3	110	650		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 75% quartz-monzonite(?) porphyry (fresh and unmineralized), 20% coarse-grained equigranular (biotite) granite, and 5% dacite porphyry
0220-R	LCB5	42	0.6	1	5	255	Au <.1 As 40	Type:grab; float; hi graded; moderately to intensely fractured quartz-monzonite intrusive rock with about 10% 2 millimeter feldspar phenocrysts largely altered to clay; biotite gone in oxidized samples; goethitic limonite along fractures; trace (1/4%) pyrrhotite and trace cuprite disseminated in fresh rock; some sulphides were in quartz crystal-filled cavities (compare 0218); sample is of best material fallen from rock
0221-R	LCB5	78	1.4	3	10	35	As 60	Type:grab; bedrock; pale gray-green tuffs- sandstone and siltstone sizes-showing bedding; up to 1/2% or possibly 1% very fine-grained disseminated pyrrhotite; thin limonite coating on fracture surfaces
0222-R	LCB5	86	1.2	2	15	35	As 850 Hg 20 Au <.1	Type:grab; float; hi graded; strongly fractured pale gray-green tuffs with abundant (some irridescent) goethitic limonite on fracture surfaces; rare gossan fragments; only minor disseminated pyrrhotite apparent

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0223-R	LCB5	31	1.0	4	10	20	As 135	Type:grab; rubble crop; float; hi graded; medium gray (silicified?) dacite porphyry; 15% 3-4 millimeter feldspar (milky white, some definitely plagioclase) phenocrysts in pale gray groundmass; 1-5% disseminated clots of pyrrhotite, weak to moderately fractured
0224-R	LCB5	21	1.0	1	5	25	Au <.1 As 20	Type:grab; float; hi graded; strongly brecciated gossan- abundant goethitic limonite- some fluffy; parent rock unknown; silicified volcanics to the east and west; float probably spilled down onto the east end of saddle ridge from beneath the snow slope above
0225-R	LCB5	19	1.0	2	10	35	As 35	Type:grab; bedrock; highly fractured, heavily limonite-stained, fine-grained rock- probably tuff; limonite staining extends from here down the west side of spur
0226-R	LCB5	30	0.8	2	15	25	As 75	Type:grab; bedrock; most intensely fractured, fine-grained rock- tuff?; some clay alteration, moderately intense; some associated felsite- or bleached dacite; no visible sulphides; limonite staining is moderately strong
0231-S	LCB5	27	0.9	1	20	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; frozen:yes; no bedrock; float of 100% coarse-grained granodiorite, unaltered
0232-S	LCB5	30	0.7	1	15	55		Str wdth:<1; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; no bedrock; float of 65% andesite and 35% granodiorite with less than 1% disseminated pyrite in some of the andesite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0233-S	LCB5	10	0.5	1	10	30		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:sand/silt; org:med; str situs:alvl; no bedrock; float of 90% fine to medium-grained grano-diorite, with weak iron staining, and 10% andesite porphyry, with plagioclase phenocrysts less than .05 inches long
0234-D	LCB5	7	0.4	<1	5	20		Dpth:7; hor:B; size:silt; moist:med; color:brown/black; soil situs:clvl/talus; org:med; frozen:no; no bedrock; talus of dark, finely crystaline basalt or diabase; no mineralization
0235-D	LCB5	36	0.7	1	25	45		Dpth:10; hor:B; size:silt; moist:med; color:brown; soil situs:clvl/talus; org:med; frozen:no; no bedrock; talus is lack, finely crystaline mafic volcanic basalt(?) and minor, medium-grained granodiorite
0236-D	LCB5	36	0.7	1	10	40		Dpth:10; hor:B; size:silt; moist:med; color:brown/black; soil situs:clvl/talus; org:low; frozen:no; no bedrock; talus of 50% granodiorite and 50% mafic volcanics
0237-R	LCB5	18	1.0	2	15	35	Au <.1 As 130 Ni 15	Type:grab; float; hi graded; no bedrock; float: chips of six orange-yellow to reddish-brown stained boulders of talus; moderate to strong fractures in moderately silica-pyrite altered intermediate to mafic fine-grained volcanic; one boulder contained 10% pervasive fine-grained disseminated pyrite
0238-D	LCB5	26	0.8	1	15	50	Au <.1 As 38	Dpth:12; hor:B; size:silt; moist:med; color:brown; soil situs:clvl/talus; org:med; frozen:no; no bedrock; 90% intermediate porphyritic volcanic with strong iron stain and 1-3% pyrite; 10% more felsic volcanics (dacite)

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0239-S	LCB5	25	0.5	1	10	40		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:sand/silt/clay; org: low; str situs:alvl; no bedrock; float of 75% medium-grained granodiorite and 25% bedded shale and siltstone
0240-D	LCB5	16	0.6	1	15	55		Dpth:10; hor:A; size:silt; moist:med; color:brown; soil situs:clvl/talus; org:med; frozen:no; no bedrock; talus of andesite and diorite
0241-R	LCB5	8	0.5	2	15	25	Au <.1	Type:grab; float; hi graded; no bedrock; float of rhyloite with strong FeOOH on fractures and disseminated limonite after pyrite(?); traces to 1% pyrite; moderate silicification and bleaching
0242-R	LCB5	6	0.6	3	20	40	Au <.1 As 32	Type:chip; bedrock; bedrock of strongly silicified and bleached andesite (?) with strong orange-brown iron stain; moderate boxwork structures; no visible sulfides left; may be altered rhyolite
0243-R	LCB5	8	0.8	3	20	30	Au <.1 As 50	Type:chip; bedrock; bedrock of highly siliceous rhyolite breccia with 1-3% disseminated pyrite, orange to reddish-brown weathered outcrop; strong fracturing; vague angular to subrounded clasts up to two inches
0244-S	LCB5	7	0.3	1	10	30		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; no bedrock; float of 50% basalt porphyry and 50% granodiorite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0245-S	LCB5	8	0.6	1	10	50		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand/silt; org:low; str situs:alvl; no bedrock; float of 50% granodiorite and diorite, 25% quartzite, and 25% basalt and andesite
0246-S	LCB5	6	0.4	1	10	30		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; no bedrock; float mostly a fine-grained porphyritic gabbro; could be a basalt porphyry; weakly iron-stained
0247-S	LCB5	21	1.8	2	40	100		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock of coarse-grained granite with large feldspar (1/2 inch) phenocrysts; float of 70% granite and 30% basalt and andesite porphyry
0248-R	LCB5	20	1.0	5	35	60		Type:chip; bedrock; bedrock of columnar dacite porphyry; chip of five feet within strong quartz-clay, weak sericite altered dacite with strong limonite stain; no sulfides; flow is N30°W40°
0249-S	LCB5	23	1.7	1	25	90		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:sand/silt; org:med; str situs:alvl; volcanic rubble, possible agglomerate; greenish strong fracturing; float of dacite porphyry
0250-S	LCB5	20	1.5	1	85	110		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt/clay; org:low; str situs:alvl; no bedrock; float of 50% granodiorite-granite and 50% dacite porphyry

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0251-S	LCB4	25	0.5	1	15	75		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float of andesite and dacite plus some fine-grained felsic rock
0252-S	LCB4	14	1.0	1	20	80		Str wdth:1-3; av str dpth:dry; in flood: no; size:silt; org:med; str situs:alvl; a few pieces of dacite and basalt were observed
0253-S	LCB5	23	0.7	1	20	90		Str wdth:3-6; av str dpth:1-2; in flood:no; size:silt; org:low; str situs:alvl; float of iron-stained biotite schist with some feldspars altering to epidote; also banded siltstone and diorite; approximately 40% schist, 40% diorite, and 20% siltstone
0254-S	LCB5	16	0.5	1	10	45		Str wdth:6-10; av str dpth:1-2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock; float same as 0253; biotite schist, biotite diorite; iron-stained siltstone and some granodiorite
0255-S	LCB5	13	0.5	<1	5	45		Str wdth:3-6; av str dpth:1-2; in flood:no; size:sand; org:med; str situs:alvl; float of biotite schist, biotite gneiss, and granodiorite, with one piece of red tuff
0256-S	LCB5	24	0.9	1	40	290		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; only a little float; biotite schist and a very silicified rock, maybe was a diorite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0257-S	LCB5	22	0.5	1	10	105		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; float of schist; silicified rock- maybe granodiorite or monzonite
0258-S	LCB5	35	1.1	1	50	265	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; only a few pieces: schist, pieces of bull quartz, some grano-diorite
0259-S	LCB4	43	0.9	1	20	150	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; 70% biotite-quartz schist, 10% dacite, and 20% fault breccia
0260-S	LCB4	35	1.3	1	25	140		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; 70% schist and gneiss, 20% fault breccia and 10% dacite
0261-R	LCB4	44	0.9	1	5	120		Type:chip; float; calcareous(?) schist with calcite(?), biotite, quartz, white mica; micaceous minerals give appearance of sulfides but panning reveals none
0262-S	LCB4	63	1.5	2	20	150		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; bedrock of biotite gneiss; biotite, muscovite, calcareous(?) schist, biotite gneiss; less than 1% bull quartz
0263-S	LCB4	64	1.0	1	15	165		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand; org:low; str situs:alvl; 50% biotite-quartz diorite and 50% biotite gneiss

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0264-S	LCB4	43	1.0	1	20	150		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; schist and gneiss
0265-S	LCB4	46	1.0	2	55	270		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; bedrock of biotite gneiss; float of dacite; main stream contains rounded pyroxenite boulders
0266-S	LCC4	26	0.6	1	20	115		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; no bedrock; float of fine-grained light green graywacke
0267-S	LCC4	25	0.6	1	15	85		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; no bedrock; variety of float derived from moraine material in valley
0268-S	LCC4	27	0.7	1	20	110		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand; org:low; str situs:alvl; same as 0267; moraine material
0269-S	LCC4	23	0.7	2	15	55		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; 95% green feldspathic quartzite and 5% argillite
0270-S	LCC4	26	0.7	1	15	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:clay; org:low; str situs:alvl; bedrock of fine-grained green feldspathic quartzite; float 80% like bedrock, 5% well-rounded boulders of salt and pepper appearing biotite granite, and 15% banded argillite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0271-S	LCC4	29	1.0	1	20	80		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:clay; org:med; str situs:alvl; bedrock not observed-stream flowing on marine; float of fine-grained quartzite, green feldspathic quartzite, graywacke, angular fragments of quartz monzonite with iron oxide-lined cavaties; after pyrite(?); compare 0272
0272-R	LCC4	13	0.3	1	35	135		Type:grab; float; from sediment sample site 0271; angular fragments of quartz monzonite with possible pyrite pseudomorphs
0273-R	LCC4	11	0.2	< 1	15	110	Au <.1 Hg 170 ppb	Type:grab; float; from the south shore of unnamed lake; rhyolite float with complex convoluted structure; moderate to heavy iron staining on some fractures; open cavaties filled with iron oxides
0274-S	LCC4	5	0.4	1	15	45	Au <.1 Hg 20 ppb	Str wdth:1-3; av str dpth:1-2; in flood:no; size:sand; org:low; str situs:alvl; 85% rhyolite, 5% andesite, and 5% quartz; many rock fragments in the stream are externally iron stained
0275-S	LCC4	10	0.3	< 1	15	105	Au <.1 Hg 20 ppb	Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:clay; org:med; str situs:alvl; bedrock of rhyodacite breccia exposed at sample point; float of 85% rhyodacite breccia and 15% silicified volcanics and quartz
0276-S	LCC4	21	1.1	1	25	105	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:clay; org:low; str situs:alvl; float of tuffs and volcanic(?) breccia

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0277-R	LCB4	15	1.1	5	40	20	Au <.1	Type:grab; rubble crop; rhyodacite and rhyodacite porphyry; small quartz veins in some rhyodacite; slight iron staining; some manganese staining; pale greenish material around some quartz- probably epidote
0278-R	LCB4	5	0.7	1	10	100	Au <.1	Type:grab; rubble crop; rhyodacite porphyry; iron and manganese-stained area
0279-R	LCB4	7	0.8	1	25	65	Au <.1	Type:grab; bedrock; rhyodacite porphyry; strongly oxidized; abundant iron staining; some manganese staining
0280-R	LCB4	43	0.7	1	10	85	Au <.1	Type:grab; rubble crop; rhyodacite porphyry; reddish-pink stain
0281-R	LCB4	16	0.6	1	5	45	Au <.1	Type:grab; rubble crop; rhyodacite porphyry; iron and manganese-stained, highly oxidized area
0282-S	LCB4	20	3.0	2	50	70	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:low; str situs:alvl; float of rhyodacite porphyry; some iron staining; most of stream is snow-covered
0283-S	LCB4	26	1.7	1	40	125	Au <.1	Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:silt; org:med; str situs:alvl; rhyodacite porphyry; much of stream is snow-covered; many rocks are iron-stained
0284-R	LCB4	6	0.4	1	20	105	Au <.1	Type:grab; rubble crop; dacite porphyry; highly oxidized and iron-stained; large chute to east
0285-S	LCB4	22	1.6	6	35	185	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float of dacite porphyry, much of it iron-stained; drainage from large chute of oxidized rock; much snow in chute

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0286-S	LCC4	22	0.9	4	25	65		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:sand; org:med; str situs:alvl; bedrock of dacite porphyry; float of dacite porphyry with a few boulders of granite and graywacke(?) or fine-grained dacite; most of stream is snow-covered
0287-S	LCC4	23	1.0	3	15	60		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; bedrock of latite porphyry; float of latite porphyry; several rocks have abundant irregular masses of chlorite disseminated throughout, some replacing hornblende; one rock was fine-grained dacite; most of stream is snow-covered
0288-S	LCC4	41	1.1	3	35	85		Av str dpth:dry; size:silt; org:med; str situs:alvl; float of quartz latite porphyry and dacite porphyry; small amount of fine-grained dacite or basalt; stream channel snow-filled; some rocks iron-stained; very small pyrite grains
0289-S	LCC4	38	1.2	4	30	80		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of dacite porphyry; several boulders of very fine-grained dark gray rock; many rocks iron-stained
0290-R	LCC4	43	0.9	4	25	55	Au <.1	Type:grab; float; dacite porphyry; some rocks highly oxidized and iron-stained with small disseminated grains of pyrite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0291-S	LCC4	20	0.8	4	15	60	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of dacite porphyry; one boulder of quartz monzonite(?); iron staining on smaller rocks
0292-S	LCB5	11	0.6	1	10	45		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; float of biotite-hornblende schist with hematite along quartz vein, iron-stained granodiorite, and a lone piece of dacite or latite
0293-S	LCB5	12	0.7	1	10	45		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float of 50% granodiorite (some silicified diorite?), 35% schist, and 15% volcanics- andesite and green basalt
0294-S	LCB5	10	0.5	1	10	40		Str wdth:1-3; av str dpth:1-2; in flood:no; size:clay; org:low; str situs:alvl; only a few pebbles of granodiorite and schist
0295-S	LCB5	13	0.5	1	10	55	Ni 18	Str wdth:3-6; av str dpth:1-2; in flood:no; size:silt; org:low; str situs:alvl; float of schist, granodiorite, porphyritic basalt, hornfels, and volcanic breccia
0296-S	LCB5	9	0.7	1	10	50	Ni 14	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; float of granodiorite, gneiss (formerly schist), and porphyritic andesite

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0297-S	LCB5	18	1.0	1	15	80	Au <.1 Ni 24	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:clay; org:low; str situs:alvl; small outcrop (ten feet square) at mouth of stream; appears to have a bedding surface, N5°W, 57°SW; maybe a fine-grained quartzite or a highly silicified rock; float of siltstone and arkose; very altered silicified rock with slickensides; volcanic breccia, gneiss, granodiorite, and a piece of rhyolite tuff
0298-S	LCB5	18	0.8	1	15	85	Au <.1	Str wdth:3-6; av str dpth:1-2; in flood:no; size:silt; org:low; str situs:alvl; float is 30-40% grano-diorite, and the rest, in varying amounts, is andesite, schist or gneiss, green and black basalts
0299-S	LCB5	17	0.9	1	15	85	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:low; str situs:alvl; only a little float-mainly granodiorite and some volcanics
0300-D	LCB5	20	5.2	10	55	70	Au <.1 Ni 550	Dpth:1/2; hor:B; size:silt; moist:dry; color:red; soil situs:rsdl; org:low; frozen:no; fine-grained sugary rock float; light-colored; aplite(?) or a weathered rhyolite(?); a few inches below surface same float is less weathered; red color or soil decreases from red to yellow and brown on a north-south line over 25 feet; surface float decreases in color also; red color localized to 50 square feet of surface

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0301-S	LCB5	9	1.2	3	20	75	Au <.1 As 25	Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; large blocks of dark, fine-grained andesite(?); 75 feet from sample spot is a bluff with basalt(?), some with iron-staining and chalcopyrite
0302-D	LCB5	9	1.0	24	80	35	Au <.1 As 240	Dpth:4; hor:B; size:sand/silt; moist: dry; color:red; soil situs:rsdl; org: low; frozen:no; soil associated with fractured white, sugary, fine-grained rock, probably an altered dacite or tuff
0303-D	LCB5	13	1.4	1	15	55	Au <.1 As 30	Hor:B; size:silt; moist:med; color: white/yellow; soil situs:clvl; org: med; frozen:no; subsurface drainage indicated adjacent to red color of 0302 by sump
0304-S	LCB5	16	0.9	1	20	110	Au <.1 As 30	Str wdth:3-6; av str dpth:1-2; in flood:no; size:silt; org:med; str situs:alvl; float of granodiorite, silt and arkose, andesite, and basalt or hornfels
0305-R	LCB5	49	1.5	2	15	25	Au <.1 As 115	Type:grab; rubble crop; dacite altered to pyrrhotite-quartz-sericite; also pyrrhotited cherts
0306-S	LCB5	41	1.4	1	25	95	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; float of pyrrhotized dacite and cherts; highly fractured; strong iron staining
0307-R	LCB5	25	1.4	5	25	85	Au <.1 As 50	Type:grab; rubble crop; strongly fractured and iron-stained dacite and dacite porphyry; lots of disseminated pyrrhotite and some pieces of float; quite a bit of dense silica

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0308-S	LCB5	89	2.0	3	85	145		Str wdth:<1; av str dpth:dry; gully near contact of altered (pyrrhotized) siltstone and cherts and non-pyrrhotized cherts
0309-R	LCB5	55	1.0	4	20	79	Au <.1 As 45	Type:grab; rubble crop; stongly fractured and pyrrhotized siltstone and chert
0310-R	LCB5	26	1.0	3	20	125	Au <.1 As 50	Type:grab; rubble crop; strongly pyrrhotized andesite- dark brown and maroon in color; highly fractured
0311-R	LCB5	17	0.8	3	10	40	Au <.1 As 40	Outcrop strongly pyrrhotized dacite; locally dacite is dacite porphyry
0312-R	LCB5	36	1.0	11	10	30	Au <.1 As 60	Type:grab; bedrock; strongly fractured and pyrrhotized dacite
0313-S	LCB5	27	1.2	3	20	55		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs: alvl; outcrop and talus of basaltic volcanics
0314-S	LCB5	44	1.4	2	30	65		Str wdth:3-6; av str dpth:1-2; in flood: yes; basaltic volcanics; one boulder of granite
0315-S	LCB5	71	2.2	3	60	110		Str wdth:6-10; av str dpth:1-2; in flood: yes; size:sand/silt; org:med; float of mostly basaltic volcanics but some 10% diorite boulders also
0316-S	LCB5	34	1.4	4	30	80		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:grvl/sand/silt; org: high; str situs:alvl; float of both basaltic volcanics and granite porphyry
0317-S	LCB5	43	1.5	2	55	235		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; outcrop and float of granite and granite porphyry

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0323-S	LCC4	7	0.4	2	5	55		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float of dacite porphyry; most rocks small and iron stained
0324-S	LCC4	26	1.5	3	30	130		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of dacite porphyry, some extremely weathered and stained by iron and manganese; small amount of quartz-diorite with greenish color and biotite; snow covers much of stream
0325-R	LCC4	23	0.3	4	25	155	Au <.1	Type:grab; float; quartz monzonite porphyry; much of the float is highly oxidized and iron stained to the point of being somewhat chalky; one chunk of basalt
0326-S	LCB5	22	0.7	3	25	100		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; quartz monzonite porphyry; iron staining on some rocks
0327-R	LCC5	15	0.4	4	20	90		Type:grab; float; granite porphyry; on talus slope; many rocks stained with iron and manganese
0328-R	LCD4	7	0.3	3	15	115	Au <.1 W 4 Sn < 10	Type:grab; rubble crop; granite porphyry; somewhat vuggy with small quartz or feldspar crystals in some vugs
0329-S	LCD4	15	0.7	2	20	75	Au <.1	Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float 80% granite porphyry; basalt and basalt porphyry; iron staining on many rocks
0330-S	LCD4	14	0.8	4	25	100	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float 90% aplite and granite porphyry; basalt; iron staining on rocks

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0331-S	LCD4	17	0.8	2	15	50	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float 80% granite porphyry; basalt and basalt porphyry; some iron staining
0332-S	LCD4	19	0.8	1	15	60	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float 80% granite porphyry; basalt; stream seeps through large boggy area upstream
0333-S	LCD4	17	0.7	1	15	55	Au <.1	Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float 60% granite porphyry; basalt, basalt porphyry, diabase, gabbro, and volcanic breccia; iron staining on some rocks
0334-S	LC C4	47	0.8	1	15	45		Str wdth:<1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; bedrock of hornblende andesite porphyry; float of basalt, diabase, chlorite schist, granite porphyry, and andesite porphyry
0335-S	LC C4	12	0.7	2	15	70		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; amygdaloidal basalt with calcite amygdules, basalt, diabase, dacite porphyry, and granite porphyry; some iron staining
0336-S	LC C4	23	0.8	2	15	65		Str wdth:1-3; av str dpth:0-1/2; size:silt; org:med; str situs:alvl; float of diabase, basalt, dacite porphyry, and 50% granite porphyry; iron staining on some rocks
0337-S	LC C4	12	0.8	1	15	55		Str wdth:3-6; av str dpth:1/2-1; in flood:yes; size:sand; org:med; str situs:alvl; float of dacite porphyry, granite porphyry, diabase, and basalt; most rocks are iron-stained

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0338-S	LCB5	15	1.0	1	15	95		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; small outcrop (30 feet by 10 feet) of rhyolite
0339-S	LCB5	18	0.8	1	15	120	Au <.1 As 600	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:med; str situs:alvl; float of rhyolite (some with graphite?) and basalt with 0.5% pyrite
0340-S	LCB5	23	1.1	2	30	130		Size:sand/silt; org:med; str situs: alvl; small outcrops of rhyolites; float of rhyolite, andesite, and siltstone
0341-S	LCC4	14	0.8	2	10			Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:high; str situs:alvl; only small pebbles of andesite
0342-S	LCC4	26	1.0	3	30			Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:med; str situs:alvl; float of porphyry diorite and diorite with 2% pyrite; also some andesite and volcanic breccia
0343-S	LC B4	24	1.0	2	20			Str wdth:3-6; av str dpth:1/2-1; in flood:no; float of granodiorite, basalt, and altered andesite(?) with 1.5-2% pyrite
0344-S	LC B4	46	1.3	3	30			Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:sand/silt; org:med; str situs:alvl; bedrock upstream is granodiorite; float is composed of granodiorite, basalt, and volcanic breccia; the biotite and hornblende in some granodiorite float is altered to chlorite
0345-S	LC B4	22	1.4	7	25			Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float of granodiorite and dacite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0346-S	LCC4	11	0.7	4	20	135	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float of altered rhyolite and basalt
0347-S	LCC4	8	0.6	4	20	95	Au <.1	Str wdth:3-6; size:silt; org:med; str situs:alvl; altered rhyolite
0348-R	LCC4	6	0.5	3	10	25	Au <.1	Str wdth:3-6; type:grab; float; composed of rhyolites with flow structure- some altered, some not
0349-S	LCC4	9	0.7	4	20	95	Au <.1	Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:clay; org:low; str situs:alvl; float of mostly basalt with some greenstone; at mouth of stream is a small wall of rhyolite
0350-S	LCC4	9	0.6	3	15	80	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:low; str situs:alvl; float of altered rhyolite and basalt
0351-S	LCC4	9	0.7	3	25	100	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:high; str situs:alvl; float contains just a small amount of rhyolite
0352-S	LCC4	8	0.7	2	30			Str wdth:<1; av str dpth:0-1/2; in flood:no; size:sand/silt; org:high; str situs:alvl; float of greenstone
0353-S	LCC4	12	0.8	2	25			Str wdth:3-6; av str dpth:1-2; in flood:no; size:sand/silt; org:high; str situs:alvl; volcanic breccia forms shallow canyon
0354-S	LCC4	14	0.9	1	25			Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand/silt; org:high; str situs:alvl; float of volcanic breccia and rhyolite

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0358-S	LCC4	15	0.6	1	10	55		In flood:yes; size:grvl/sand/silt; org:med; str situs:alvl; 90% basaltic (and andesitic?) tuffs and volcanics; chlorite and hematite alteration; 10% quartz-feldspar porphyry; buff-colored rhyolite
0359-S	LCC4	10	0.4	2	15	55		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:grvl/sand/silt; org: med(moss roots); str situs:alvl; similar to 0358
0360-S	LCC4	14	0.6	2	10	50		Str wdth:<1; av str dpth:dry; dpth:3; size:sand/clay; moist:med; color: brown; soil situs:alvl; org:low; frozen:no; soil sediment from small steep gully bottom- probably flows as a cataract when wet; float of andesitic tuffs and volcanics; chlorite and hematite alteration
0361-S	LCC4	11	0.4	1	10	60		Str wdth:6-10; av str dpth:1/2-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float of 95% basaltic and andesitic flows and tuffs, and 5% feldspar-quartz porphyry- rhyolite? volcanics (dyke?)

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0362-S	LCC4	19	1.1	3	15	85		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:grvl/sand/clay; org: low; str situs:alvl; float of 60% andesite volcanics and tuffs, 35% basaltic volcanics and tuffs, and 5% weathered rhyolite(?)
0363-S	LCC4	17	1.1	3	20	110		Str wdth:1-3; av str dpth:0-1/2; size grvl/sand/clay; org:low; str situs: alvl; intermediate to basic tuffs and tuffaceous(?) sediments
0364-S	LCC4	21	1.0	3	25	100		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:grvl/sand/silt; org: low(few moss roots); str situs:alvl; mainly tuffs and volcanic breccias- predominantly andesitic; rare rhyolit tuff; granodiorite boulders- glacial?
0365-R	LCB5	3	0.4	1	5	10	Au <.1 As 60	Type:grab; rubble crop; siliceous, porphyritic, iron-stained rhyolite; moderate agrillic alteration; traces to 1% pyrite
0366-S	LCB5	14	1.4	2	30	115		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand; org:low; str situs:alvl; basalt bedrock and float
0367-S	LCB5	15	1.3	3	35	95		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:med; str situs:alvl; volcanic agglomerate rounded and subrounded clasts, dirty green; 5% of float is silicified rhyolite porphyry with 1-3% dissemi nated pyrite with strong iron stain
0368-S	LCB5	15	1.2	3	35	110		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:low; str situs:alvl; no bedrock; float of 8(dacite porphyry and 20% light-colo rhyolite with weak limonite stain

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0369-S	LCB5	17	1.4	2	20	130		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; bedrock of dark green andesite with weak fracturing and no alteration or mineralization; float of 95% andesite and less than 5% iron-stained rhyolite
0370-D	LCB5	8	0.8	2	5	35		Dpth:8; hor:A; size:silt; moist:med; color:black; soil situs:alvl; org: med; frozen:no; no bedrock; float of andesite and dacite
0371-S	LCB5	17	1.7	1	20	70		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; bedrock of andesite and andesite porphyry; float of andesite with minor rhyolite
0372-S	LCB5	15	1.1	1	15	75		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock; float of glacial erratics
0373-S	LCB5	14	1.0	1	15	75		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt/clay; org:low; str situs:alvl/bedrock; silicified and bleached dacite porphyry with traces of pyrite and moderate orange-yellow iron staining

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0376-S	LCC4	13	1.1	1	15	100	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock of brownish-green "dirty" andesite; float of 80% andesite, 10% basalt, and 10% rhyolite; no mineralization
0377-D	LCC4	29	1.6	1	15	85	Au <.1	Dpth:7; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: low; frozen:no; bedrock of andesite-unaltered, unmineralized, greenish-brown
0378-S	LCC4	12	1.0	1	15	85	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand/silt; org:med; str situs:alvl; bedrock nearby is tuff and tuff breccia and amygdaloidal andesite with calcite amygdules and with strong orange-yellow iron oxide staining
0379-S	LCC4	15	0.9	1	15	50	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; bedrock of andesite-dark and unaltered; float of andesite and tuff breccia with angular fragments up to 1/2 inch; also crystalline amphilodes
0380-R	LCC4	4	0.3	1	10	70		Type:grab; rubble crop; iron and manganese stained rhyolite porphyry with columnar jointing
0381-S	LCC4	9	0.7	<1	15	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; outcrop and talus of rhyolite porphyry; one cobble of volcanic breccia

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0382-S	LCC4	9	0.7	1	15	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; outcrop of rhyolite porphyry in stream; however, some detritus of andesite
0383-S	LCC4	10	0.6	1	15	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; outcrop and float of basalt- some granite in vesicles; also still some rhyolite porphyry float
0384-R	LCC4	13	0.9	1	10	55	Au <.1	Type:grab; bedrock; rhyolite or rhyolite tuff with angular fillings of quartz; maroon color
0385-R	LCC4	2	0.3	<1	5	25	Au <.1	Type:grab; rubble crop; tan-colored rhyolite
0386-R	LCC4	3	0.6	1	10	15		Type:grab; float; rhyolite float from cirque; no stream
0387-S	LCC4	8	0.6	1	10	25		Str wdth: 1; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; small gully draining talus of rhyolite; a few pieces of vesicular basalt
0388-R	LCC4	3	0.3	1	10	20		Type:grab; bedrock; rusty rhyolite; sheeting fractures
0389-S	LCC4	6	0.6	1	15	70		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:high; str situs:alvl; large drainage area over rhyolites; sheeting 1/4 to 1/2 inch common
0390-S	LCC4	7	0.7	1	15	55		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand/silt; org:med; str situs:alvl; rhyolite float as above

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0391-S	LCC4	7	0.6	<1	10	40		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; rhyolite-rhyolite sub-aerial
0392-S	LCB5	14	0.6	<1	25	55		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; quartz-rich intrusive; generally granitic composition-maybe some granodiorite
0393-R	LCB5	9	0.4	1	25	125	W <.2 Sn 10	Type:grab; rubble crop; manganese and iron-stained granite; not highly fractured nor altered
0394-S	LCB5	11	0.6	1	15	250		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand/silt; org: med; str situs:alvl; small stream draining talus of granite; local iron and manganese staining only
0395-S	LCB5	20	0.6	1	50	105		Str wdth: 1; av str dpth:dry; size: grvl/sand; org:low; str situs:alvl; talus of granite porphyry; small gully
0396-D	LCD4	25	0.9	1	25	95	Au <.1	Dpth:6; hor:C; size:sand; moist:med; color:orange; soil situs:rsdl; org: low; frozen:no; rubble crop of medium-grained granite
0397-D	LCD4	18	0.6	1	15	45	Au <.1	Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; rubble crop of medium-grained granite having many vugs with tiny quartz crystals; slight manganese stain
0398-R	LCD4	6	0.3	3	10	185	Au <.1 As <10 W 4 Sn <10	Vuggy granite with manganese staining and a fine-grained apparently metallic mineral

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0399-S	LCD4	20	0.7	1	20	75	Au <.1	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; detritus mostly vuggy granite; a few erratics- glacial, of dacite, diorite, and basalt
0400-S	LCD4	30	1.0	2	20	85	Au <.1	Str wdth:<1; av str dpth:dry; in flood:no; size:silt; org:low; str situs:alvl; small gully draining vuggy granite with some manganese in vugs; nearly a soil sample- very local
0401-S	LCC4	13	0.9	3	30			Str wdth:1-3; av str dpth:>2; in flood:no; size:silt; org:high; str situs:alvl; float on bottom of deep stream is volcanic breccia with some rhyolite
0402-S	LCD3	38	0.9	1	20	75		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float mainly of granodiorite and diorite with biotite or hornblende altering to chlorite and with andesite porphyry with 1-2% pyrite
0403-S	LCD3	33	0.6	1	15	70	Au <.1 As 10	Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; float of granodiorite, andesite, and aplite(?)
0404-S	LCD3	38	0.8	1	15	75		Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float predominantly of granodiorite and diorite with andesite porphyry

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0405-S	LCD3	36	1.0	1	20	105		Str wdth:6-10; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; float of granodiorite, porphyritic andesite, and basalt
0406-S	LCD3	19	0.6	1	15	55		Str wdth:1-3; av str dpth:1-2; in flood:no; size:silt; org:med; str situs:alvl; float of granodiorite and andesite porphyry
0408-S	LCC4	12	0.6	1	15	65		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:clay; org:med; str situs:alvl; bedrock of rhyodacite-tuff; float of 60% tuff and 40% rhyodacite
0409-S	LCD4	22	0.8	3	20	55	Sn <.02%	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:clay; org:med; str situs:alvl; rubble crop of hornblende granite with common crystal-lined cavities up to 2 mm.; float 90% as above and 10% andesite
0410-S	LCD4	22	1.0	3	25	105	Sn <.02%	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; no bedrock observed; float of 90% hornblende granite with hornblende altering to chlorite, and 10% andesite
0412-S	LCD4	13	0.8	3	15	75	Sn <.02%	Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; 80% hornblende granite and 20% porphyritic andesite
0413-S	LCD4	15	0.9	2	15	80	Sn <.02%	Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock observed; float of 70% hornblende granite, 25% dark gray andesite, and 5% quartzite

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0414-S	LCD4	20	1.0	2	20	90	Sn <.02%	Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; no bedrock observed; float of 50% fresh biotite granite (unlike altered hornblende granite in stream to east), 10% basalt, 20% graywacke, 10% andesite, and 10% dacite
0417-S	LC C4	19	0.7	3	10	35	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; org:low; str situs:alvl; 50% biotite granite and 50% slate; side valley to northwest
0418-S	LC C4	19	0.6	1	10	45	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock observed; float of 30% hornblende-biotite granite; various other marine-derived float
0419-S	LC C4	14	0.7	2	15	85	Au <.1	Str wdth:3-6; av str dpth:1/2-1; in flood:no; size:silt; org:low; str situs:alvl; no bedrock observed; float of 70% porphyritic hornblende biotite granite, 20% dacite, and 10% slates and quartzites
0420-S	LC C4	7	0.6	3	10	40		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; org:med; str situs:alvl; no bedrock or float observed
0423-S	LC C4	14	0.8	2	15	55		Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:silt; org:med; str situs:alvl; float of 40% granite porphyry, basalt, diabase, gabbro, and dacite porphyry with some plagioclase altered to epidote(?); iron staining

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0434-R	LCB5	20	0.7	1	30	85	Au <.1	Type:grab/chip; float; bedrock and float of quartz monzonite; fine-grained; abundant plagioclase; shows some sericitization; no ore mineralization
0435-R	LCB5	31	1.0	3	15	115	Au <.1	Type:chip; float; bedrock of granite; float of porphyry granite; taken from talus material; quartz, plagioclase, and ferromagnesium abundant; no alteration conspicuous; some plagioclase alteration
0436-R	LCB5	40	1.0	4	15	95	Au <.1	Type:chip; float; bedrock and float of porphyry granite; shows some seritized alteration; no ore sulfides present; taken from talus
0437-R	LCB4	23	0.7	2	10	95	Au <.1	Type:chip; float; diorite float; very rich in ferromagnesium; no sulfides; no alteration distinguishable
0438-R	LCC4	26	0.5	1	20	130		Type:grab; bedrock; bedrock of rhyolite; float of porphyry rhyolite; strongly altered outcrop; plagioclase and feldspar show some corrosion; very shattered
0439-R	LCC4	22	0.8	1	25	125		Type:chip; bedrock; rhyolite bedrock and float; outcrop very altered; fractured; some shattering; shows some plagioclase alteration; no ore mineralization
0440-S	LCC4	19	0.7	<1	20	90	Au <.1	Str wdth:3-6; av str dpth:1-2; in flood:yes; size:sand; org:low; str situs:alvl
0441-R	LCC4	28	1.0	4	15	160	Au <.1	Type:chip; bedrock; dacite bedrock and float; no alteration visible
0442-S	LCC4	29	1.2	1	20	95	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand; org:low; taken from spring channel
0443-D	LCC4	22	0.6	<1	10	185		Type:chip; float; dacite bedrock and float; plagioclase shows some

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0444-S	LCC4	22	0.8	<1	20	105		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand; org:low; str situs:alvl
0445-S	LCC4	17	0.7	1	20	105		Str wdth:6-10; av str dpth:1-2; in flood:yes; size:sand; org:low; str situs:alvl
0446-S	LCC4	18	0.6	1	20	105	Au <.1	Str wdth:6-10; av str dpth:1-2; in flood:yes; size:sand; str situs: alvl
0447-S	LCC4	17	0.6	1	15	100	Au <.1	Str wdth:3-6; av str dpth:1-2; in flood:yes; size:sand; str situs: alvl
0448-R	LCC4	27	0.9	1	20	135	Au <.1	Type:chip; bedrock; medium basic dacite; no sulfides; shows some alteration; probable feldspathization
0449-R	LCC4	24	0.6	1	10	45	Au <.1	Type:chip; bedrock; basic diorite; outcrop very fractured; covered by grass; no sulfides; no alteration
0450-S	LCC4	22	0.7	1	15	110	Au <.1	Str wdth:3-6; av str dpth:0-1/2; in flood:yes; size:sand; org:med
0451-S	LCD3	37	1.0	2	15	90	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:silt; str situs: alvl; taken from dry stream
0452-S	LCD3	34	0.8	2	15	60	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand; taken from a dry stream
0453-S	LCD3	10	0.4	1	10	35	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:sand; org:low str situs:alvl
0454-S	LCD3	15	0.7	2	10	75	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:yes; size:sand; str situs: alvl
0455-S	LCD3	15	0.6	2	10	60	Au <.1	Str wdth:1-3; av str dpth:1/2-1; in flood:yes; size:grvl/sand; org: low; str situs:alvl

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0456-S	LCD3	26	0.8	8	10	80	Au <.1	Str wdth:3-6; av str dpth:1-2; in flood:yes; size:grvl/sand; org:low; str situs:alvl
0457-S	LCD3	22	0.7	2	10	80	Au <.1	Str wdth:6-10; av str dpth:1-2; in flood:yes; size:grvl; str situs: alvl
0458-S	LCD3	24	0.6	1	10	75	Au <.1	Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:grvl/sand; taken from spring
0461-R	LCC4	12	0.9	2	45	115	Au <.1 As 50	Type:grab; rubble crop; float; hi graded; sulfited rhyolite tuff breccia-clay altered; both disseminated and massive sulfides (predominantly pyrite?); some striated voids; good boxworks; J/G limonite; trace of scorodite?; sample carefully selected from float of rhyolite breccia-ash tuff sequence
0462-R	LCC4	20	0.8	6	40	115	Au <.1 As 60	Type:grab; float; hi graded; as for 0461 but from northwest slope of hill; possibly a little more "scorodite"
0463-R	LCC4	51	1.6	8	35	110	Au <.1 As 500	Type:grab; hi graded; as for 0461 and 0462 but sulfide content higher (10-15%) and "scorodite" very common; four-inch float boulders from restricted area
0464-S	LCC4	13	1.1	5	20	75	As 100	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt/clay; org:low; str situs:alvl; some rhyolitic material
0477-D	LCC4	9	0.7	1	10	60		Dpth:8; hor:B; size:silt/clay; moist: med; color:brown; soil situs:alvl; org:med; frozen:no; no bedrock or float; in valley bottom, but no stream

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0478-R	LCC 4	8	0.6	1	10	120	Au <.1 As 7	Type:chip; bedrock; moderately fractured and iron-stained (orange-brown) dacite and dacite porphyry; no sulfides; some silicified breccia in float
0479-S	LCC4	6	0.5	1	10	50		Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand; org:low; str situs:alvl; no bedrock; float of andesites, dacites, and minor rhyolites
0480-S	LCC4	7	0.7	1	10	70		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl; no bedrock; float of basalt andesite and rhyolite
0481-S	LCC4	7	0.7	1	15	50		Str wdth:1-3; av str dpth:dry; in flood:no; size:silt; org:low; str situs:alvl; no bedrock; float of all volcanics- 80% rhyolite, 10% basalt, and 10% andesite
0482-D	LCC4	7	0.5	1	10	50		Dpth:6; hor:A; size:silt; moist:med; color:brown; soil situs:clvl; org: med; frozen:yes; no bedrock; float of fresh rhyolite
0483-D	LCC4	7	0.7	1	15	50		Dpth:9; hor:B; size:silt; moist:med; color:brown; soil situs:alvl/talus; org:low; frozen:no; no bedrock; rhyolite float
0484-D	LCC4	4	0.3	1	5	15		Dpth:6; hor:B; size:silt; moist:med; color:brown/black; soil situs:clvl/talus; org:med-low; frozen:no; no bedrock; float of rhyolite- weakly disseminated iron stain, limonite
0485-S	LCC4	6	0.5	1	5	20		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:clay; org:high; str situs:alvl; no bedrock; float of dacite porphyry and rhyolite

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0486-S	LCC4	7	0.6	1	10	40		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; no bedrock; float of rhyolites, welded tuff breccias, and andesites
0487-S	LCC5	11	0.6	1	10	35		Str wdth:10-15; av str dpth:0-1/2; in flood:no; size:silt; org:low; str situs:alvl/bedrock; bedrock of quartz monzonite porphyry- unaltered, unmineralized; float is 100% quartz monzonite porphyry
0488-R	LCC5	3	0.3	1	10	45		Type:grab; rubble crop; bedrock same as 0487; quartz monzonite porphyry- moderately weathered and oxidized
0540-D	LCD3	21	0.8	1	15	50	Au <.1	Dpth:4; hor:C; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; granite rubble crop continues- grain size slightly less in this area
0541-S	LCD3	23	0.8	1	25	70	Au <.1	Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; granite and granite continues; not even a bull quartz vein to be found
0542-R	LCD3	10	0.5	2	30	125	Au <.1 As <10 Hg 50 ppb	Type:grab; rubble crop; vuggy granite with red-orange mineral filling vugs; long shot- cinnabar?
0543-S	LCD3	24	0.9	2	20	80		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:sand/silt; org:low; str situs:alvl; float and suboutcrop of granite
0544-R	LCD3	8	0.6	4	20	215		Type:grab; rubble crop; manganese-stained granite; vuggy texture in places

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0555-S	LCD3	22	0.7	1	15	60		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:sand/silt/clay; org:med; str situs:glcl; banks upstream are of glacial drift; predominantly acid to intermediate intrusive and intermediate to basic volcanics
0568-R	LCD3	25	0.7	2	20	70	Au <.1	Type:chip; float; granite porphyry and dacite porphyry
0687-S	LCB4	19	0.8	1	30	150		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:grvl/sand/silt; org:low; str situs:alvl; float predominantly acid to intermediate tuffs, and 20% fine-grained basalt
0688-S	LCB4	14	0.6	1	20	95		Str wdth:3-6; av str dpth:0-1/2; in flood:no; size:grvl/sand/silt; org:med; str situs:alvl; float predominantly acid to intermediate tuffs

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0726-R	LCB4	28	0.9	1	25	95	Au <.1 W <.02% Sn <.02%	Type:grab; bedrock; biotite granite and granodiorite; altered, iron-stained area; some veinlets of fine-grained white mineral
0727-R	LCB4	31	0.8	1	15	100	Au <.1	Type:grab; rubble crop; granodiorite bedrock; rubble crop of granodiorite and gray felsite; some iron and manganese staining
0728-R	LCB4	30	0.9	1	15	100	Au <.1 W <.02% Sn <.02%	Type:grab; bedrock; altered biotite granodiorite; iron-stained and saussuritized (epidote on margins of some plagioclase); rocks in area are cut by numerous calcite veins
0729-R	LCB4	3	1.7	5	15	10	Au <.1 W <.02% Sn <.02%	Type:grab; bedrock; altered biotite granodiorite; iron-stained, saussuritized, and cut by numerous calcite veins; sample is vein material
0730-S	LCB4	21	0.8	4	15	45		Str wdth:<1; av str dpth:0-1/2; size:silt; org:med; str situs:alvl; granite float
0731-R	LCB4	18	0.4	1	20	90	Au <.1 W <.02% Sn <.02%	Type:grab; bedrock; granite cut by dikes; sample four feet from nearly vertical basalt dike; argillitized area
0732-S	LCB4	22	0.7	1	40	150		Str wdth:1-3; av str dpth:0-1/2; size:sand; org:med; str situs:bedrock; bedrock of coarse-grained granite with pink feldspar; float same as bedrock but with 2% basalt also
0733-S	LCB5	150	1.5	1	50	330		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; float of 50% granite; also granodiorite, some with 10% biotite

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0734-S	LCB5	22	0.6	1	15	55		Av str dpth:dry; size:sand; org:med; str situs:alvl; float of granite (80%) and diorite
0735-S	LCB5	23	0.8	1	20	165		Str wdth:1-3; av str dpth:0-1/2; in flood:yes; size:silt; org:high; str situs:alvl; float of granite; also granodiorite, siltstone, and other rocks, probably glacially transported
0736-S	LCB5	21	0.9	3	55	330		Str wdth:<1; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; float of mainly granite, some very fine-grained (aplite)
0737-S	LCB5	25	1.1	2	40	440		Str wdth:1-3; av str dpth:0-1/2; in flood:no; float of granite (50%) and rhyodacite
0738-S	LCB5	19	0.8	3	20	100		Str wdth:<1; av str dpth:0-1/2; size:silt; org:high; str situs:alvl; bedrock and float of rhyolite porphyry
0739-S	LCB5	19	0.5	1	20	65		Av str dpth:dry; size:silt; org:high; str situs:alvl; float of dacite porphyry; some iron staining
0740-S	LCB5	29	0.8	1	25	65		Str wdth:<1; av str dpth:0-1/2; size:silt; org:med; str situs:alvl; bedrock of volcanic breccia or agglomerate- many large (up to one foot) rocks in breccia, dacite porphyry (80%), siltstone- matrix is dacite porphyry; float of volcanic breccia of above description, also with dacite porphyry, siltstone, and porphyritic dacite

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Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0741-S	LCB5	12	0.5	1	10	25		Av str dpth:dry; size:silt; org:high; str situs:alvl; float of dacite porphyry; greenish-gray groundmass
0742-R	LCB3	7	0.3	32	25	50	Au <.1	Type:grab; bedrock; bedrock of porphyritic rhyolite with fine-grained disseminated pyrite, much altered to limonite; iron staining on fractures; float same as bedrock, with some dacite porphyry; some light gray-green tuff(?) with disseminated pyrite grains 1-2 mm. across
0743-R	LCB3	4	0.2	8	15	45	Au <.1	Type:grab; rubble crop; light gray-green tuff with disseminated pyrite grains 1-2 mm. across; many pyrite grains altered to limonite; rubble crop also has some dacite porphyry
0744-S	LCB3	11	0.5	1	25	70		Str wdth:<1; av str dpth:0-1/2; size: sand; org:med; str situs:alvl; float of 80% welded tuff breccia; pumice discoids chloritized; lithic fragments of siltstone and shale up to 5 cm. across, average 1 cm.; fine-grained epidote on some fractures; about 20% dacite porphyry boulders in float
0745-S	LCB3	21	0.8	2	40	85		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str situs:alvl; float of 60% dacite porphyry and 40% gray-green welded tuff breccia, with pumice discoids chloritized and lithic fragments, mainly siltstone

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0746-S	LCB3	22	0.6	< 1	20	40		Av str dpth:dry; size:silt; org:high; str situs:alvl; float of gray-green welded tuff breccia, with pumice discoids chloritized, and lithic fragments, mainly siltstone; small amount of epidote
0747-R	LCB3	25	0.3	1	30	75	Au <.1	Type:grab; float; gray-green welded tuff breccia, with pumice discoids chloritized and lithic fragments, mainly siltstone; small amount of epidote
0748-S	LCB4	18	0.6	< 1	25	75		Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:high; str situs:alvl; bedrock of graywacke, some conglomeratic; float of gray-wacke (60%), gray-green welded tuff breccia, and dacite porphyry
0749-S	LCB4	18	0.7	< 1	15	60		Av str dpth:dry; size:silt; org:high; str situs:alvl; float of graywacke, 70% gray-green welded tuff breccia with pumice and lithic fragments chloritized, and 20% dacite porphyry
0750-S	LCB4	20	0.9	1	15	70		Str wdth:1-3; av str dpth:0-1/2; size:silt; org:high; str situs:alvl; float of 70% gray-green welded tuff breccia with lithic fragments mostly gray to green graywacke and siltstone-average size 1 cm.- and with pumice discoids chloritized; 10% graywacke; 10% dacite porphyry; one small boulder of biotite granite; much of stream is snow-covered

PROJECT - COOK INLET A

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0761-D	LCB4 E07, N13	18	0.7	1	15	70		D epth: 3 inches; Size: clay; Moist: medium; Color: brown; Soil situs: alluvial; Org: medium; Froz: no; Float: w pebbles seen were fine grained basalt, soil from gully bottom=tranported?
0762-R	LCB4, E07, N13	14	0.5	180	60	65	Au -0.1 As 4000.0	Type: grab; Float: yes; Hi graded: yes; Float description: sinonite stained rhyolite tuff breccia, sofille and matrix altered to clay limonite(goethite)largely exotic, only one 3" pebble seen in float, rest of float=rhyolite tuff few lapilli tuffs
0763-R	LCB4, E07,N13	9	0.3	1	25	170		Type: grab; Float: yes; Float description: representative sample of talus material, which is rhyolite, andesitic tuffs and tuff breccias
0764-S	LCB4, E08, N13	19	0.8	1	35	60		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: high; Str situs: bedrock; Bedrock description: andesite tuffs; Special spl notes: well jointed and fractured
0765-S	LCB4, E08, N12	14	0.5	1	25	110		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand; Org: low; Str situs: alluvial-bedrock; Bedrock description: fractured rhyolite tuff, chl on fracture surfaces; Float: 80% acid intermediate tuffs & volcanics, 10% basic tuffs with up to 1% pyrite and porphyry-chlorite and epidote, 10% basalt-chlorite and epidote altered
0766-S	LCB4, E08, N12	30	1.2	2	70	195	As 50.0	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Float descriotion: predominately tuffs with lesser volcanics, composition rhyolite and trending towards

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0767-S	LCB4, E08, N13	21	0.7	1	30	140	As 30.0	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Bedrock description: rhyolitic tuffs, intense fracturing; Float: 85% rhyolite tuffs, highly fractured, 10% hornblende, biotite-granite, fresh, unminera ized, 5% rhyodacite volcanics-dacite?
0768-S	LCB4, E09, N11	22	0.9	2	35	150	As 60.0	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: rhyolitic tuffs with chlorite alteration outcrop, these rocks also predominate in flo
0769-S	LCB4, E09, N11	25	0.8	3	70	430	As 30.0	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float : predominately rhyolitic (80%) tuffs and tuffaceous sed 10% biotite(?) granite-either chlorite altered or silicified, 10% more basic tuffs, and tuffaceous sediments
0770-S	LCB4, E09, N11	20	0.6	1	25	100	As 60.0	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt-clay; Org: low; Str situs: alluvial; Float: 90% tuffs & tuffaceous sediment-predominately rhyolite but some more basic varieties, 10% biotite(hornblende?) granite weak chlorite alteration
0771-R	LCB4, E09, N11	7	0.4	4	15	75	Au -0.1 As 10.0	Type: chip; Bedrock: yes; Bedrock description: moderately-strongly fractured pale gray rock=fine grained tuff?(rhyolite?) weak limonite staining, outcrop on true LHS of stream, 200' long x 100' high

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other		Remarks
0774-S	LCB4, E03, N13	22	0.7	4	25	70	As	10.0	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: volcanics ity latite
0775-S	LCB 4, E03, N13	42	0.9	3	45	80	As	10.0	Str wdth: 1-3; Av str dpth: 0-1/2; In flood; no; Size: gravel-sand; Org: high; Str situs: bedrock; Float: columnar nointed, steeply plunging, ity latite, porphyry, kspar float, plagioclase, altered to epidote
0076-S	LCB 4, E03, N12	48	1.0	1	85	110	As	50.0	Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: acid to intermediate volcanics (quartz ? 10%) including quartz latite porphyry
0777-S	LCB4, E03, N12	22	0.6	4	45	120	As	60.0	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 60% quartz latite porphyry, some epidotization of plagioclase (kspar) plagioclase, 10% rhyolite volcanics, white feldspars leached out, 30% acidic tuffs
0778-S	LCB 4, E04, N12	18	0.6	6	30	85	As Cd	10.0 1.6	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: acid to intermediate volcanics and tuffs, approximately quartz latite, bleached fractured face (200'200') (=on large shear zone ? ?) 200 yards upstream not inspected due to helicopter arival
0779-S	LCB4, E03, N12	16	0.5	1	25	75	As	10.0	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: acid to intermediate volcanics & tuffs, rhyodacite (ity latite ?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0781-S	LCB4, E9, N16	11	0.6	2	20	90		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt-clay; Org: medium; Str situs: alluvial; Float: 60% basalt(fine grained)and andesite volcanics(some quartz latite?) 40% rhyolite volcanics and tuffs
0782-S	LCB4, E9, N15	15	0.7	1	20	80		Str wdth:< 1; Av str dpth: dry; In flood: no; Size: gravel-silt-clay; Org: medium; Str situs: alluvial; Float: 70% trachyte porphyry, some may be latite?, 20% fine grained basalt, 10% rhyolite(??)tuff, no mineralization noted
0783-S	LCB4, E9, N15	16	0.5	1	15	70		Str wdth:<1; Av str dpth: dry; In flood: no; Size: silt-clay; Org: medium; Str situs: alluvial; Float: 80% trachyte porphry 10% fine grained basalt(chlorite, epidote altered) 10% medium grained dolinite?
0784-S	LCB4, E10, N15	12	0.6	1	15	70		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: medium; Str situs: alluvial; Float: 85% trachyte, porphyry, flows on high level intrusive??15% basalt (+for possibly andesite) flows(fine grained) and lapilli tuffs, trace of flow-banded rhyolite with up to 1% disseminated pyrite
0785-S	LCB4, E10, N15	17	0.8	1	30	130		Str wdth: 3-6; Av s tr dpth: dry; In flood: yes; Size: gravel-silt-clay; Org: low; Str situs: bedrock; Bedrock description: andesite?pale green tuff, paper fragments, Float: 90% basalt and andesite tuffs and volcanics, chlorite and in some epidote and hematite alteration, 10% rhyolite (+trachytic?)tuffs and volcanics, fine graine

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0786-S	LCB4, E10, N14	16	0.6	1	30	75		Str wdth: > 25; Av str dpth: dry; In flood: no Size: gravel-silt; Org: low; Str situs: collu vial; Bedrock: basalt on slopes between 785 + 786, 90% fine grained flow banded(? trachytes(?) volcanicsand tuffs some vitrie, weak limonite staining of float probably due to break down of ferronagnesi minerals(eg biotite) 10% basalt, basalt probably underlies trachyte(?)
0787-R	LCB4, E10, N14	7	0.2	6	25	70	Au -0.1 As 40.0	Type: grab; Float: yes; Hi graded: yes, par Bedrock: sample of float spoiling down off 300' x 200' limonite stained bluff. trachyte or rhyolite tuff with weak limonite stain(+minor manganese)on fracture, only v spase disseminated pyrite, rare limonite filled voids with garnet(? ?)(pink), green alteration mineral+of glas ? ?
0788-S	LCB4, E10, N14	15	0.6	3	40	105		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Bedrock: andesitic ?tuffs; Float: predominately trachytic tuff
0789-R	LCB4, E10, N14	7	0.5	2	20	80		Type: chip; Float: yes; Bedrock: representative sample of colluvial material spilling down gully floor, 100% trachyte porphyry, 10% kspar phenocrysts, fine grained biotit flakes, no mineralization
0810-R	LCB4, E05, N14	4.9	0.9	1	40	118		Type: chip; Rubcrop: yes; Float: argillite, shows strong kaolonization

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0820=S	LCB4, E08, N08	220	3.4	4	120	1300	Au -0.1 As 440.0	Str wdth: 6-10; Av str dpth: > 2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial, Float: northwall is exposed and is porphyriti basalt, basalt, rhyolite, granodiorite, and diorite boulders
0821-R	LCB4, E08, N08	31000	205.0	4	30	1400	Au -0.1 As 200000.0	Type: chip; Rubcrop: yes; Hi graded: yes; Float: granodiorite stained red with potassic alteration, grading into argillite and chalcopyrite nearby show above alteratio size is about 30' by 30' located at top of talus slope, 980 elev, possible nearby dyke of altered rhyolite(?)
0822 -R	LCB4, E08, N08	7600	95.0	3	25	1300	Au -0.1 As 18000.0	Type: chip; Bedrock: yes; Bedrock description: rock same as 0821, there are other red stained areas on another nearby talus slope, that was inaccessable, malachi float found nearby
0823-S	LCB5, E08, N15	13	0.5	1	15	70	Au -0.1 As -10.0	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: graywacke with tiny shears in it, granodiorite altered fine grained gray rock with small quartz phenocrysts-mafics gone to chlorite
0824-S	LCB5, E07, N15	20	0.6	1	15	70		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: graywacke and granodiorite
0825-S	LCB5, E07 , N15	14	0.5	1	10	50		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: rhyolite, granular in finner grained groundmass, greenish tint to it, with little veinlets of epidote(?), running

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0836-S	LCB4,	16	0.5	1	15	65		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: dominantely intermediate volcanics, 80% white tuff with common rounded to sub-rounded rock fragme 20% flow breccia(welded tuff) rounded and a gular rock fragments with glass some exotic granitic blocks
0837-R	LCB4, E12, N13	11	0.4	3	20	90	Au -0.1	Type: grab; Float: yes; Bedrock: same site as 00836, redish vitric flow breccia with fine grained waxey material on fracture which resembles AgCl
0838-S	LCB4, E12, N11	15	0.5	1	15	75		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: exotic glacial float
0839-S	LCB5, E09, N10	23	0.5	1	25	130		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite, above 95%, glacial exotics 5%, monzonite in float at site fractured 1 every 2-3 inches no observed sulfides or alteration approximately 1/2 mile SE of 0839 biotite quartz monzonite porphyry shows either duteric or propylitic alteration, plagioclase has greenish tinge, mafic minerals are irregular, dark masses, and secondary Mn minerals occur. No sulfide or sericite observed. Potassic Feldspar 32%, plagioclas 50%, mafic minerals or alterations 3%, quartz 15%, above alteration observed in much less tha 1% of float between 0839 & 0840, iron stained float caused by py assoc with mafics observed in less than 1% of floa

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0840-S	LCB5, E12, N14	29	1.4	1	65	180		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: biotite quartz monzonite porphyry above see comments 0839
0841-S	LCB5, E12, N13	13	0.6	1	15	95		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz monzonite porphyry 90%, exotic moraine float 10%
0842-S	LCB5, E12, N13	18	0.6	1	20	80		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: rounded cobbles of biotite quartz monzonite porphyry
0843-S	LCB5, E07, N14	24	0.6	1	15	60		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: high-medium; Str situs: alluvial; Float: fine grained diorite and granodiorite, porphyritic rhyolite, this material as with the three previous streams may be glacial matter
0844-D	LCB5, E07, N14	19	0.6	1	15	55		Depth: 5 inches; Hor: B; Size: silt; Moist: dry-medium; Color: brown; Soil situs: colluvial; Org: medium; Froz: no; Float: fine grained graywacke or sandstone, Bedrock: appears to be small outcrop of silicified rhyolite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0845-S	LCB5, E06, N13	49	1.5	2	80	165		Str wdth: < 1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: a few cobbles and pebbles of a dark fine grained rock basalt or hornfels(?) some silicified rhyolite(?)
0846-S	LCB5, E06, N13	23	0.8	1	20	60		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: it is a muddy stream with no float
0847-S	LCB5, E05, N12	24	0.8	1	20	70		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: none, or bedrock evident
0848-R	LCB4, E05, N14	20	0.6	1	35	115		Type: grab; Rubcrop: yes; Float: argillite
0849-R	LCB4, E05, N13	27	0.6	1	25	55		Type: chip; Rubcrop: yes; Float: rhyolite, rhyodacite porphyry, feldspars are no tations no sulfides or one mineralization at sight, see diagram on note

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0850-R	LCB4, E06, N13	15	0.8	1	15	90		Type: chip; Rubcrop: yes; Bedrock: basic rhyolite, dacite porphyry, some basic, show some feldspars crystals
0851-R	LCB4, E06, N13	15	0.5	1	20	75	As -10.0	Type: chip; Rubcrop: yes; Float: rhyolite porphyry, shows alteration in feldspars phenocrysts, some blocks and very altered and easy to break, no sulfides
0852-R	LCB4, E06, N13	27	0.5	1	40	130		Bedrock: silicified argillite; Float: silicified argillite, it was taken from a vertical wall, the whole body to silicified, see diagram on note
0853-R	LCB4, E06, N12	16	0.7	1	25	100		Type: chip; Rubcrop: yes; Bedrock description: argillite; Float: argillite, several talus material is greenish colored
0854-S	LCB5, E06, N17	25	0.7	1	15	55		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial; Float: material in stream, dacite an siltstone, medium sized blocks

PROJECT - COOK INLET

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0855-S	ICB5, E06, N16	20	0.6	5	15	70		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: silt; Org: low; Str situs: alluvial; Float: siltstone and dacite, coarse sediment, deposited in shallow basin, some organic material present
0856-S	LCB5, E06, N15	17	0.7	1	15	75		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand-silt; Str situs: alluvial; Float: siltstone, dacite, coarse grained some quartz grains in
0857-S	LCB5, E06, N16	16	0.6	1	10	50		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: gravel-sand; Org: low; Float: high graded meta, probably dacite, it was picked up from shallow deposite along the main stream
0858-S	LCB5, E05, N15	12	0.5	1	10	30		Str wdth: 1-3; Av s tr dpth: 1/2-1; In flood: yes; Size: gravel-sand; Org: low; Str situs: alluvial; Float: unknown, in the stream material from various types, dacite, siltston granite(?)
0859-R	LCB5, E06, N15	40	0.8	6	15	80		Type: chip; Rubcrop: yes; Bedrock: dacite beric dacite, no outcrop at sight, material covered the top and sides of the hill, a thin coat of oxides covers the fragments, no ore mineralization

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0860-S	LCB5, E06, N14	18	0.6	1	15	100		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Org: low; Str situs: alluvial Float; dacite and argillite(?) taken 15' from spring, sed very fine grained, see diagram on note
0861-S	LCB5, E05, N14	29	0.7	1	20	75		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Org: low; Str situs: alluvial; Float: siltstone and dacite, picked up from a shallow basin, some quartz grains
0865-S	LCB3,	11	0.5	3	30	100		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: hornblende dacite porphyry, material in the stream, hornblende dacite porphyry 50% argillite 15%, others granite, exotic basic rocks 35%, stream comes down beside morraine
0866-S	LCB5,	12	0.8	3	15	50		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: clay;Org: low; Str situs: glacial; Bedrock: last observed aphanitic appearing biotite-hornblende quartz monzonite; Float: this side of hill mantled with moraine and exotic float
0867-S	LCB5, E11, N13	18	0.6	1	30	130		Str wdth; 1-3; Av s tr dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: biotite hornblende, quartz monzonite porphyry, unaltered to iron stainin or pyrite observed in creek side talus
0868-S	LCB5, E11, N13	14	0.7	1	20	110		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: biotite-hornblende quartz monzonite porphyry; Float: above, below S t e stream flows through morain

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0869-S	LCB5, E10, N13	17	0.7	1	30	105		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Bedrock: none observed; Float: biotite hornblende, quartz monzonite 90%, glacial exotics 10%, 10% monzonite iron stained pyrite in mafic mineral sites, none has more than 0.1-0.3% pyrite
0870-R	LCB3,	14	0.5	7	20	60	Au -0.1 As 10.0	Type: grab; Rubcrop: yes; Bedrock: hornblend dacite porphyry sample, fine grained quartz vein rubble associated with heavy heamatite staining causing predominant color anomaly, width of vein is unknown direction of rubble crop is easterly color anomaly is 300' wide argillic alteration adjacent to vein. Further from vein dacite is silicified and syritized. Calcite vein float found in unaltered dacite
0871-R	LCB3,	8	0.3	49	15	15	V 10.0 U 14.0	Type: grab; Float: yes; Bedrock: hornblende dacite porphyry, one piece of unknown material, rich stone or cazbonaceous remain tree. fine grained, dark black, no drystal structure
0872-S	LCB3, E03, N15	17	1.3	16	60	210		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: fault? breccia of principally hornblende dacite fragments, argillicly altered hornblende dacite
0873-S	LCB3, E03, N15	14	2.5	16	90	45	Au -0.1	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: clay; Org: medium; Str situs: alluvial; Bedrock: siltstone, siltstone 35%, quartz latite 50%, silicified, bleached & iron stained volcanics 15%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0874-R	LCB3, E01, N14	10	0.9	2	25	70	Au -0.1 As 10.0	Type: grab; Rubcrop: yes; Bedrock: hornblend dacite sample of pyritized and silicified hornblende dacite and quartz vein from frost boils along vein strike. Collected radius of 30' pyrite content to 5% average probably 2% some fragments argillicly altered
0875-R	LCB3,	60	0.8	10	20	95	Au -0.1 As -10.0	Type: grab; Float: yes; Bedrock: sample from talus slope, silicified sericicly altered hornblende dacite with magnetite introduction along fractures and as disseminations in the altered rock. No sulfides observed magnetite to 5% in some fragments average 0.5% magnetite bearing float perhaps 10% of tallus
0876-R	LCB3, E01, N14	10	0.8	3	20	60	Au -0.1	Type: grab; Float: yes; Float description: grab of iron stained float in talus from ridge top to sample site 0877, some silicifie dacite contains pyrite crystals to 3 mm no other sulfides observed
0877-R	LCB3, E01, N15	7	0.2	4	15	20	Au -0.1	Type: grab; Float: yes; Sample: yellow stained fine grained equigranular silicified dacite forming prominant float train down mountain
0881-S	LCB5, E11, N16	19	0.6	1	45	75		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: consists entirely of monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0882-S	LCB5, E11, N16	10	0.7	1	30	125		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: float monzonite
0883-S	LCB5, E11, N16	16	0.7	1	50	300		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: rock of almost all plagioclase with a little quartz(monzonite or troumtomite
0884-S	LCB5, E10, N17	21	0.7	1	30	200		Str wdth: 3-6; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: monzonite or granodiorite
0885-R	LCB4, E8, N8	6200	75.0	7	15	150	Au -0.1 As 70000.0	Type: chip; Bedrock: yes; Hi graded: yes; Bedrock description: granodiorite, this is altered where veined and stained with malachite, see card for more data,, Card: veins, strike N30°W, dip 15°20° S 1) they are 2'-3' apart, 2) vein thicknesses are from 1" -3", 3) composition of veins= quartz, arsenopyrite, chalcopyrite, malachi 4) quartz-sericite alteration adjacent to veins which is 2" -3" in width on either side of vein, some angular alteration betwee the veins, 5) color-ranges fromyellow cose to the veins and reddish brown outward a foot or two, there is an altered rhyolite dyke with fracturing parallel to contacts.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
Continued - 0885-R								It appears to post date mineralization. The vertical extent of veining and alteration is a maximum of 100' and a minimum of 20'. It looks small. 75' from first outcrop vein are 4'-6' apart with alteration, potassic & argillic - about 1' for potassic in either side of vein and 1.' for argillic. Color of veins is black & alteration is yellowish green. Bob took a sample here at elevation 930'. 40' North and 30' below this vein his zone of altered vein material was about 5'. For samples 0887-0890, the following is a vertical sequence. A-0887-elev 2265, rhyolite, iron stained tuffs & breccias. A-088-elev 2100, granodiorite, with veins, strike N-S, dip 40°W. A-0889-elev 1680, granodiorite with veins, strike N-S, dip 40°W. A-0890-elev 1120, granodiorite, malachite stained fractures, elev 2180 is contact between rhyolite & granodiorite.
0886-R	LCB4, E8, N8	7800	68.0	7	110	820	Au -0.1 As 23000.0	Type: chip; Bedrock: yes; Hi graded: yes; Bedrock description: chip sample, representative of 5' zone of alteration, host rock is granodiorite
0887-R	LCB4, E7, N8	.200	9.0	8	15	115	Au -0.1 As 1300.0	Type: chip; Bedrock: yes; Bedrock description: chip sample of rhyolite(?)over 20' and iron stained tuffs and breccias, bla fine grained rock with some rose quartz, andesite(?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0888-R	LCB4, E8, N7	300	5.4	10	20	180	Au -0.1 As 700.0	Type: chip; Bedrock: yes; Hi graded: yes; Bedrock: granodiorite with qtl-sericite alteration, color-reddish brown, strike N-S dip 40°W, distance between veins is 8" -5' thickness of veins 1"-5"
0889-R	LCB4, E8, N8	75	0.7	9	10	15	Au -0.1 As 180.0	Type: chip; Bedrock: yes; Hi graded: yes; Bedrock description: granodiorite, veined 2"-6" apart 151 sericite alteration chip sample over 15' strike N-S dip 40°W reddish color to veins, along witha slight amount of yellowish green coloration to them pyrite and quartz in veins
0890-R	LCB4, E7, N8	1400	1.8	4	15	520	Au -0.1 As 130.0	Type: grab; Bedrock: yes; Bedrock description: sample of mineralized rock with malachite over distance of 100' bedrock is granodiorite
0891-S	LCB4, E9, N10	25	1.2	3	75	360		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: colluvial; Bedrock: volcanic breccia talus of phyrrhotized dacite
0893-S	LCB4,	21	0.7	2	50	90		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Bedrock: hornblende dacite porphyry exotic material by basic rocks, granite rhyolite porphyry, argillite, came from morraine? (45%), hornblende dacite porphyry (55%), snow covers 75% of the stream
0894-S	LCB4,	14	0.5	1	15	50		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: gravel; Str situs: alluvial; Float: hornblende dacite porphyry the most abundar (60%), argillite, rhyolite (40%)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0895-S	LCB4,	16	0.6	1	25	65		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: gravel; Str situs: alluvial; Bedrock: Hornblende dacite porphyr; Float: hornblende dacite porphyry(60%), rhyolite porphyry30%, argillite and granite and alluvial material 10%
0896-S	LCB4, E10, N16	16	0.6	1	35	60		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: gravel; Org: low; Str situs: alluvial; Bedrock: hornblende dacite porphyr Float: material formed by 1) hornblende dacite porphyry(60%), 2) rhyolite porphyry and some argillite(40%)
0934-S	LCB4, E03, N10	30	1.2	1	45	125		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: detritus of dacite and dacite porphyry
0935-S	LCB4, E03, N11	36	0.8	1	40	110		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: talus slope of dacite slight iron stain from pyrite pretty fresh rock
0936-S	LCB4	15	0.6	1	15	45	Au 10	Dacite talus continues.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0937-S	LCB4, E02, N11	30	1.3	3	60	165	Hg 30.0	Str wdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: detutus 90% dacite and 10% fine grained granite, saw some m crocrystallines quartz and pyrite in one piece granite float large drainage
0938-S	LCB4, E02, N12	23	0.8	2	25	55		Str wdth: 1-3; Av str dpth: 0-1/2; In flood no; Size: silt; Org: medium; Str situs: bedrock; Bedrock: talus of biotite diorite medium grained fresh biotite
0939-S	LCB4, E02, N12	23	0.9	2	25	65		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs bedrock; Float: medium grained biotite diorite with slight epidote chlorite alterat
0940-S	LCB4, E02, N12	33	0.9	1	35	90		Str wdth: 3-6; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Org: medium; Str situ alluvial; Float: detritus of biotite dacite second bully
0941-R	LCB4, E7, N8	14000	162.0	2	100	580	Au -0.1 As 100000.0 Hg 30.0	Type: chip; Bedrock: yes; Hi graded: yes Bedrock description: vein material from quartz sericite veins with trace chalcopy veins 1/8-2" wide with 3" quartz sericit haloes veins 1" fracture fillings N-S tre 35°W

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0942-R	LCB4, E8, N8	5500	35.0	5	25	180	Au -0.1 As 170000.0 Hg 60.0	Type: grab; Float: yes; Hi graded: yes; Float: description: float sample of quartz sericite trace chalcopyrite gneisen adjacent to quartz pyrite arsenopyrite vein, sample taken to see if any gold associated
0943-R	LCB4, E9, N8	24000	100.0	1	130	1250	Au -0.1 As 7800.0 Hg -20.0	Type: grab; Float: yes; Hi graded: yes; Float description: quartz-arsenopyrite-trace chalcopyrite veins 1/2" wide cutting granodiorite, sample vein material taken to see if any gold in area
0944-R	LCB4, E7, N7	720	0.5	1	15	330	Au -0.1 As 3000.0 Hg 180.0	Type: chip; Bedrock: yes; Float: 4 1/2" chip sample of andesite(?)breccia dyke with rounded clasts of rhyolite(?) quartz some malachite stain, no arsenopyrite quartz veins observed although adjacent granodiorite has sercrol
0945-R	LCB4, E7, N7	1600	0.8	1	15	2100	Au -0.1 As 500.0 Hg 100.0	Type: chip; Bedrock: yes; Float: chip sample 5 1/2' of brecciated and malachite stained intrusive breccia with rounded clasts of rhyolite(?) quartz matrix is bleached
0946-R	LCB4, E7, N7	12000	29.2	3	30	155	Au -0.1 As 60000.0 Hg 20.0	Type: grab; Rubcrop: yes; Hi graded: yes; Bedrock: quartz-arsenopyrite veins 1/4-<1" wide for granodiorite, trace chalcopyr 100' wide area of medium argillic alteratio veins spaced 6" -1' apart

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0951-R	XCR	22	0.7	1	15	90		Type: chip; Bedrock: yes; Bedrock descript: monzonite)granite?); Oxides: iron; Alteration: slight sauserite, chloride, joints 345°/vert, and 50°/64°NW
0952-R	XCR	58	0.6	2	15	55	Au -0.1	Type: chip; Rubcrop: yes; Bedrock: aplite vein in rubcrop true attitude?
0953-R	XCR,	940	146.0	23	3250	1350	Au -0.1	Type: chip; Bedrock: yes; Bedrock description: tourmaline vein of about 2" dislocated by dense cross sheariuel repetitively, vein strike 320° dip to west at various angles, minor malachite
0954-R	XCR	130	1.9	3	80	105	Au -0.1	Type: chip; Bedrock: yes; Bedrock description: leucocratic granite much physical weathering crumbly; Oxides: slight iron; Alteration: joints about 40°/vert, 230°/52o West
0955-R	XCR,	48	1.4	4	95	370		Type: chip; Bedrock: yes; Sulfides: fine disseminated pyrite; Oxide: iron; Structure much contorted fracturing

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0956-R	XCR	7	0.4	4	20	75	Au -0.1	Type: chip; Bedrock: yes; Bedrock description: crumbly rusty graywacke; Oxides: iron stains; Structure: joints at 50°/80°S and 0°/35°SE
0957-R	XCR	130	1.0	3	10	45		Type: chip; Bedrock: yes; Bedrock description: aphanitic medium gray volcanics, fine grained-aphanitic used to dark gray slightly magnetic; Oxides: iron; Structure: intensively fractured
0958-R	XCR,	53	1.0	3	15	70		Type: chip; Rubcrop: yes; Bedrock: fspar porph with medium gray-green aphanitic matrix, tight; Oxides: slight iron
0959-R	XCR	7	0.3	2	15	55	Au -0.1	Type: chip; Bedrock: yes; Bedrock description: rotting, rusty granite; Oxides: iron; Alteration: much irregular jointing
0960-R	XCR,	12	0.5	4	30	140		Type: chip; Bedrock: yes; Bedrock description: weathered leucocratic granite; Oxides: minor iron; Alteration: incipient ladin assfualth joints 250°/76°SW, 320°/77° NE

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1599-S	LHB 2, E10, N1	3	0.2	1	10	32	Au -0.1	Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz monzonite; Float: quartz monzo ite 100%
1600-R	LHB2, E10, N11	1	0.1	2	4	22	Au -0.1	Type: grab; Rubcrop: yes; Float: quartz monzonite fine grained, mafics are slightly altered due to weathering no evidence of ore dissemination,
1601-R	LHA2, E11, N18	1	0.2	1	4	32	Au -0.1	Type: chip; Rubcrop: yes; Bedrock: quartz monzonite; Float: quartz monzonite, large rubcrop upper part of the hill blocky quartz monzonite, fine grained, no evidence of an type of alteration and ore dissemination
1602-R	LHA1, E1, N17	35	0.7	13	10	60	Au -0.1 Mn 1250.0 Mg 4300.0	Type: chip; Float: yes; Bedrock: quartz monzonite; Float description: hornfelsic argillite, very fine grained, light gray colored, showing chloritic alteration, some magnetite and manganese, quartz monzonit shows a chloritic alteration is coarse grained
1603-R	LHA1, E1, N16	12	0.2	2	20	62	Au -0.1	Bedrock: quartz monzonite; Float: rock, hornfels(?)strongly silcified, very fine grained, no crystal structure, found in contact with quartz monzonite, no ore dissemination, dyke has 20' wide
1604-R	LHA2, E13, N16	3	0.2	2	6	48	Au -0.1	Bedrock: quartz monzonite; Special spl not coarse grained, showing a chloritic alteration, no ore dissemination, upper part of the hill looks like blocky quartz monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1605-R	LHA2, E12, N16	1100	3.5	1	10	54	Au -0.1	Type: chip; Float: yes; Bedrock: quartz monzonite; Float: magnetite in fine grained rock, rock shows porphyritic alteration, chlorite is found on some Mn and a minor Am stain qute noticed
1606-S	LCD2, E10, N15	6	0.4	1	5	28	Au -0.1	Str wdth:< 1; Av str dpth: 0-1/2; In flood: no Size: sand-silt; Org: low; Str situs: glacial, colluvial, alluvial; Float: hornblen biotite quartz diorite with xenoliths of diorite and gabbro, some porphyritic hornblende and biotite magnetite, contains magnetite? some iron stain< 1% of rock contain disseminated pyrite
1607-S	LCD2, E1, N15	4	0.2	-2	4	16		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: hornblende biotite quartz diorite with xenoliths of diorite and gabbro, often porphyritic hornblende and biotite magnetie, contain magnetite, some iron stain glacial outwash
1608-S	LCD2, E10, N15	44	0.4	1	10	10		Av str dpth: dry; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: hornblende biotite quartz diorite with xenoliths of diorite and gabbro, some porphyritic 50% of rocks iron stained hornblende and biotite magnetic, contain magnetite?

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1609-S	LCD2, E11, N15	48	0.2	38	10	36		Av str dpth: dry; In flood: no; Size: sand-si Org: medium; Str situs: colluvial-alluvial; Float: hornblende biotite quartz diorite, with xenliths of diorite and gabbro, biotite and hornblende magnetite, contain magneti disseminated pyrrhotite and pyrite in some rocks, most rock iron stained
1610-S	LCD2, E11, N15	105	0.6	66	10	64		Str wdth: 10-15; Av str dpth: 1/2-1; In floo no; Size: sand-silt; Org: low; Str situs: colluvial, alluvial; Float: hornblende biotite quartz diorite with xenliths of diorite and gabbro, some porphyritic 5% porphyritic diorite and gabbro in float, mos rock iron stained hornblende and biotite magnetic, contain magnetite(?) some quart diorite, contains disseminated pyrrhotite a pyrite
1611-S	LHA1, E3, N16	7	0.3	5	25	24		Str wdth: 10-15; Av str dpth: 0-1/2; In floo no;Size: silt-clay; Org: low; Str situs: alluvial; Float: diorite and fine grained granodiorite
1612-D	LHA1, E3, N15	11	0.1	2	25	52		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: alluvial-talus fines; Org: low; Froz: no; Float: fine grained granodiorite with quartz spherules also some fine graineddiorite
1613-D	LHA1, E4, N14	24	1.0	8	70	136		Depth: 3 inches; Hor: B; Size: sand-silt; Moist: dry; Color: brown; Soil situs: alluvial-talus fines; Org: medium; Froz: no; Float: fine grained granodiorite and diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1712-R	LHB2, E4, N1	13	0.2	3	15	68	Au -0.1	Type: chip; Bedrock: yes; Bedrock description: granite, medium grained mafics are altered, some parts of outcrop show chlorite alteration, no ore dissemination
1713-S	LHB2, E4, N2	17	0.2	1	15	66	Au -0.1	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite, most of the float material is granite boulders 100%
1714-S	LHB2, E4, N2	8	0.3	1	25	110	Au -0.1	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: 100% granite
1715-S	LHB2, E4, N3	12	0.2	1	20	86	Au -0.1	Str wdth: 3-6; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite, float granite 100%
1716-S	LHB2, E4, N3	8	0.3	1	25	82	Au -0.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 100%
1721-R	LHB2, E10, N5	13	0.2	2	13	140	As -10.0	Type: chip; Bedrock: yes; Bedrock description: dacite, porphyry dacite, fine grained basic, argillitic alteration(?)at some places, porphyry texture is found in some fragments, no ore dissmination
1722-R	LHB2, E10, N4	17	0.3	3	12	80	As -10.0	Type: chip; Bedrock: yes; Float: porphyry dacite, some silicified, no alteration, no ore dissemination at sight

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1749-S	LHB2, E9,N9	23	0.6	4	40	112		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: quartz dacite; Float: quartz dacite 80%, rhyolite 10% other volcanics 10%
1754-R	LHB2, E8, N6	29	4.2	8	25	64	Au -0.1	Type: grab; Float: yes; Hi graded: yes; Float description: tuffs, some welded, and volcanic breccias, some rock iron stained (sample)contains disseminated pyrite
1755-R	LHB2, E8, N6	14	0.1	11	25	72	Au -0.1	Type: grab; Float: yes; Hi graded: yes; Float description: welded tuff, breccia and cherty breccia(80%) sample, iron stained cherty breccia, contains disseminated pyrite
1756-S	LHB2, E8, N5	27	1.3	4	55	110		Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: silt; Org: medium; Str situs: alluvial; Bedrock: welded tuff with abundant white lithophysae, float, same plus volcanic breccia, intermediate composition
1757-S	LHB2, E8, N5	26	0.9	3	55	140		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: yes; Size: sand-silt; Org: medium; Str situs bedrock: bedrock description: welded tuff with abundant lithophysae, dark gray, float tuffs and breccias intermediate composition

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1758-S	LHB2, E7, N5	20	0.6	3	50	122		Str wdth: 3-6; Avstr dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Bedrock description: welded tuff, latite comp(?)purplish gray with feldspar xls, float, same plus gray to greenish tuffs and breccias
1759-S	LHB2, E7, N5	20	0.7	3	60	110		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Float: gray-green welded tuff breccia, float purplish gray to green welded tuffs and breccias,
1760-S	LHB2, E7, N5	23	0.9	4	75	116		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand-silt; Org: high; Str situs: alluvial; Float: 50% granodiorite 50% gray-green volcanic breccka
1762-R	LHB2, E10, N8	7	0.5	2	20	95		Type: grab-chip; Bedrock: yes; Rubcrop: yes Bedrock description: rhyolite with flow structures and iron stained also, here is columnar jointing in a porphyritic and or basalt overlying rhyolite 300' to east of sample is outcrop of conglomerate below rhyolite, small basalt dyke 2' wide N75°W, see diagram on note
1763- S	LHB2, E9, N8	13	0.6	1	33	120		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-clay; Org: low; Str situs: alluvial; Float: glacial morraine of rhyolite iron stained, dacite, volcanic breccias, reddish volcanics
1764-R	LHB2, E10, N8	12	0.1	3	10	130	Au -0.1 As -10.0	Type: grab; Float: yes; Hi graded: yes; Bedrock description: morraine material, yellow and limonite stained, altered rhyolite with pyrite and arsenopyrite? most of morraine seems to be rhyolite along

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1769-S	LHB2, E6, N5	20	0.9	3	55	156		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size:sand-silt; Org: medium; Str situs alluvial ; Float: tuff breccia, dark gray, dacitic, dark gray to gray green volcanic breccias and tuffs, a few boulders of basa
1770-R	LHB2, E6, N6	14	0.2	10	30	42	Au -0.1	Type: grab; Float: yes; Hi graded: yes; Float description: 40% iron stained porphyritic rhyolite with disseminated pyri (sample) 60% dark gray to pale greenish gray tuffs and breccias, volcanic
1771-S	LHB2, E5, N6	23	0.7	3	50	158		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high; Str situs: bedrock; Bedrock description: siltstone wit disseminated pyrrhotite; Float: volcanic tuff and breccia, light gray green to almost black
1772-R	LHB2, E5, N6	85	0.7	5	15	80	Au -0.1	Type: grab; Bedrock: yes; Bedrock descrip-tion: siltstone with disseminated pyrrhotit Float: volcanic tuff and breccia, gray-gree to almost black

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1773-D	LHB 1, E2, N6	20	0.4	4	30	85	Au -0.1	Depth: 1 inch; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: granite <1% basalt
1774-S	LHB1, E2, N6	20	0.5	4	42	260		Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; Float: granite 1% basalt and basalt porphyry
1775-S	LHB1, E1, N6	13	0.5	3	20	85		Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; Float: 50% basalt porphyry, 40% dacite volcanic breccia, 10% granite
1776-R	LHB1, E1, N6	18	0.6	12	59	55	Au -0.1	Type: grab; Float: yes; Hi graded: yes; Float description: 90% gray-green volcanic breccia, 10% dacite porphyry, <1% dacite, iron stained with disseminated pyrite(?) (sample)
1777-D	LHB2, E13, N5	5	0.3	1	25	85	Au -0.1	Depth: 1 inch; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: dacite porphyry 5% volcanic breccia

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1798-R	LHB2, E4, N4	105	0.8	5	12	85	Au -0.1	Type: grab; Float: yes; Float description: chalcopyrite, pyrite, pyrrhotite bearing meta sediments primarily sandstone from pendant(?) within quartz diorite, pluton
1799-R	LHB2, E5, N4	3700	7.0	3	16	45	Au -0.1	Type: chip; Bedrock: yes; Hi graded: yes; Float: massive epidote quartz feldspar blebs and vugs with Cusulfide → Cu oxide and sphalerite in purple massive meta conglomerate(conglomerate fragments igneous and sedimentary)
1800-R	LHB2, E5, N4	61	0.7	1	17	115	Au -0.1	Str wdth: 6-10; Av s tr dpth: 1/2-1; In flood: no; Size: gravel; Org: low; Str situs: glacil; Special spl notes: stream sample 100 yards from tse of glacier
1802-S	LHB2, E11, N10	28	0.7	11	155	200	As 10.0	In flod: yes; Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: flow banded pale green gray rhyolites, weak limonite and lesser MnO2 staining with in some cases up to 1% pyrite(disseminated)
1803-S	LHB2, E11, N10	19	1.1	12	90	194	As 380.0	In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Float: 95% rhyolite flows(flow banded) and tuffs with trace 1-2% disseminated and fracture filling pyrite, some leached, 5% dacite(?) volcanics and tuffs

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1804-R	LHB2, E11, N10	20	1.5	7	50	64	Au -0.1 As 140.0	Type: grab; Float: yes; Hi graded: yes; Float: sample of best pyntic mineralization in highly fractured pale green-gray rhyolite tuff, approximately 5v.% fine grained pyrite along fractures and disseminated, such strongly mineralized float so far relatively rare H .S.
1805-S	LHB2, E11, N10	7	0.5	2	25	58	As -10.0	Av str dpth: dry; In flood: no; Size; gravel-sand-silt; Org: low; Str situs: glacil; Float: 95% dark gray biotite bearing rhyodacite (barren)volcanic H.S. and lesser tuffs 5% limonite stained rhyolites, highly fractureds, some show pyrite mineralization
1806-S	LHB2, E11, N11	9	1.5	1	25	66	As 50.0	Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: below tuffs at toe of side valley glacier, bluffs are pyrite stained and highly fractured probably rhyolite, float 90% barren dark gray biotite bearing rhyodacite or dacite and 10% limonite stained rhyolites
1807-D	LHB2, E11, N11	14	0.9	6	45	86	Au -0.1 As 460.0 Hg 80.0	Depth: 3 inches; Size: sand-silt; Moist: dry; Color: white; Soil situs: glacial; Float: 60% sulfided(but generally leached +origional pyrite) rhyolitic tuffs, eg 5% pyrite(see H.S.) 40% rhyodacite vales and tuffs
1808-S	LHB2, E11, N12	7	0.4	1	25	62	As 40.0	Flood: yes; Size: sand-silt; Org: low; Str situs: glacial; Float: 90% rhyodacite volcanics, 10% limonite stained rhyolite(or bleached rhyodacite?) volcanics a little limonite staining in bluff

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1809-S	LHB2, E11, N12	6	0.3	-1	20	66	As 10.0	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 65% rhyodacite volcanics or tuffs or minor iron stained rhyolites and other acid volcanics, 35% chlorite hematite altered andesite? white feldspar xtals and no visible quartz (see H.S.)
1810-S	LHB2, E11, N12	4	0.1	-1	15	48	As 10.0	Str wdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: silt-clay; Org: low; Str situs: glacial-alluvial; Float: 80 % dark gray barren rhyodacite, 10% rhyolite, some flow banded, some pyritic e.g. tuff? 10% hematite volcanics
1817-S	LHB2, E9, N11	8	0.7	2	25	84		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed 80% rhyolite 20% quartz dacite
1819-S	LHB2, E19, N12	11	2.2	3	45	82		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: rhyolite; Float: rhyolite float
1820-S	LHB2, E11, N15	64	0.6	1	30	108		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: tuffs, shales interbedded rhyolites few calcite quartz veinlets
1821-S	LHB2, E11, N14	73	0.8	3	40	110		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: bk shale pyritic 80%, tuff and rhyolite 20%
1822-S	LHB2, E11, N14	7	0.3	1	20	54		Str wdth: 6-10; Av str dpth: 1-2; In flood: yes; Bedrock: agglomerate graywacke, agglomerate tuff 70%, 20% amygduloidal andesite other volcanics 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1823- S	LHB2, E11, n13	10	0.6	2	30	60		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Org: low; Str situs: bedrock; Bedrock description: agglomerate, graywacke agglomerate and tuff 90%, volcanics 10%, heavy iron stain noted on some float, contains to 5% pyrite
1830-S	LHA2, E4, N2	14	0.3	1	10	48		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: morraine, mostly granodiorite with diorite
1831-S	LHA2, E4, N2	10	0.2	1	15	26		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: talus of dioritewhich has epidote on fracture surfaces and some chloritic alteration
1832-S	LHA2, E4, N3	31	0.6	1	15	40		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: 50% diorite, 50% granodiorite or quartz diorite, the diorite is sometimes heavily chloritized

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1833-R	LHA2, E7, N9	10	0.9	2	25	168		Type: chip; Rubcrop: yes; Bedrock: basalt with some plagioclase phenocrysts and 1.5 % disseminatedpyrite, iron stained, appears to be rubcrop surrounded by dacite
1834-S	LHA2, E7, N9	18	0.3	4	15	74		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: morraine of diorite and andesite
1835-D	LHB2, E12, N6	11	0.7	3	67	90		Depth: 1 inch; Size:sand-silt; Moist: medium; Color: brown; Soilsitus: talus fines; Org: medium; Froz: no; Float: 80% granite and rhyolite porphyry, 15% dacite porphyry, 5% basalt
1836-D	LHB2, E12, N6	18	0.5	1	28	90		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: 60% granite and rhyolite porphyry, 20% dacite and dacite porphyry and volcanic breccia 20% basalt and some porphyritic
1837-R	LHB2, E12, N5	13	0.5	3	29	70		Type: grab; Float: yes; Hi graded: yes; Float description: 50% latite porphyry about half contains blebs and disseminated grains of pyrrhotite, fe stained(sample) 50% dacite to basalt porphyries and breccias basalt

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1838-D	LHB2, E12, N5	23	-/0	1	93	175		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: 80% fine grained diorite, basalt, dacite brecia
1839-D	LHB2,	39	0.9	3	107	145		Depth: 1 inch; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: 95% fine grained diorite, 5% rhyodacite porphyritic
1841-D	LCD2, E8, N17	13	3.9	1	40	84		Depth: 1 inch; Size: sand-silt; Moist: wet; Color: brown; Soil situs: glacial;Org: low; Froz: no; Float: quartz diorite, some extremely epidotized
1842-R	LCD2, E8, N16	12	0.4	1	20	66	Au -0.1 As -10.0	Type: grab; Float: yes; Float description: medial morraie quartz diorite with xenoliths up to several feet diameter of porphyritic basalt some epidote and chlorite on fractures, iron stain sample, iron stained quartz diorite
1843-S	LCD2, E7, N16	16	1.7	1	20	66		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: quartz diorite with xenoliths of fine grained quartz diorite and porphyritic basalt, some iron stain

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other		Remarks
1844-S	LCD2, E7, N16	19	0.5	1	20	28			Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: quartz diorite with xenoliths of darker fine grained quartz diorite <1% hornblende delienite, <1% porphyritic basalt
1845-S	LCD2, E7, N17	10	0.6	1	15	30			Str wdth: 15-25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situ glacial; Float: quartz diorite with xenoliths of darker fine grained quartz diorite and porphyritic basalt, <1% porphyritic basalt <1% highly epidotized quartz diorite
1846-R	LHB2, E5, N4	100	1.3	4	35	125	Au	-0.1	Type: chip; Bedrock: yes; Hi graded: yes; Float: gray meta siltstone about 100 feet from diss contact, minor shear with calcite and iron stained areas were sampled
1847-R	LHB2, E6, N4	45	0.8	3	19	115	Au	-0.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: medium; Str situs: glacial; Float: meta sediment bedrock
1848-R	LHB2, E6, N5	12	0.8	3	11	50	Au	-0.1	Type: grab; Float: yes; Float description: pyrite → 6% leached pyrite 10-20% sericite strong(altered) igneous(?) float in stream bed from gossan above
1849-S	LHB2, E6, N5	42	0.5	1	16	90	Au	-0.1	Str wdth: 10-25; Av str dpth: 1/2-1; In flood no; Size: gravel; Org: medium; Str situs: glacial

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1850-R	LHB1, E1, N5	83	0.1	2	215	190	Au < .1 As < 10	Type: grab; Float: yes; Float description: diorite talus minor arsenopyrite and breccia, deuteric alteration, ep: minor pegmatite veins
1855-R	LHB2, E0, N9	12	0.6	6	55	66	As 10	Type: grab; Bedrock: short talus slope of quartz monzonite with locally stockwork pyrite veins 1/8" wide, float of monzonite porphyry without any sulfide and staining
1856-R	LHB2, E10, N9	15	0.5	2	35	66	As < 10	Type: grab; Bedrock: talus of quartz monzonit altered to pyrite-quartz-sericite, sampled probably sub aerial volcanics but some monzonite porphyry appears intrusive in character
1857-S	LHB2, E10, N10	27	0.9	3	65	194		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus fines from gully draining dacite volcanics, some pyrite veins and disseminated but not strong this locality, float of dacite porphyyr, and monzonite porphyry
1858-R	LHB2, E10, N10	11	0.6	2	30	32	As 10	Type: grab; Float: talus of rhyolite volcanics flow with hematite orange and red stain float of dacite volcanics and dacite intrusive
1859-R	LHB2, E11, N11	7	0.7	2	25	20	As 10	Type: grab; Float: talus of pyritized and argillized rhyolite, orange stain from hematite
1860-R	LHB2, E11, N11	11	2.1	2	40	18	As < 10	Type: grab; Float: talus porphyry of pyritized and argillized rhyolite, lots of dacite breccia, all rock is float there, seems to be

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1861-R	LHB2, E11, N12	12	2.0	3	35	32	As 10	Type: grab; Float: talus sample of pyritized and argillized rhyolite porphyry, groundmass is cherty, strong orange stain appears to be extrusive
1862-R	LHB2, E11, N12	8	3.5	1	40	28	As 60	Type: grab; Float: talus of rhyolite brecciated and cemented by crystocrystalline silica, some pyrite, strong orange stain, weathered surface
1863-R	LHB2, E11, N12	11	1.1	2	25	34	As < 10	Type: grab; Float: heamatite cemented volcanic breccia, momon astor
1864-R	LHB2, E10, N13	5	0.6	1	45	32	As 10	Type: grab; Float: talus strong hematite rhyolite
1865-S	LHB2, E10. M13	8	0.5	1	40	114		Str wdth: 1-3; Av str dpth: dry ;In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: rhyolite and dacite volcanics and volcanic breccias, strong iron color orange from disseminated pyrite in rhyolite
1866-R	LHB2, E10, N12	20	0.2	5	35	90	As < 10	Type: grab; Float: dacite gray color taken for background, lot of breccias this area, rock still all folcanic origin
1867-S	LHB1, E1, N15	9	0.4	1	16	35		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: outcrop and talus of dacite porphyry volcanics, a few pieces of float are strongly hematite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1868-S	LHB1, E1, N15	28	0.6	1	47	110		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: dacite porphyry volcanics and breccia, local area of strong hematite fragments of volcanics and black shale in breccia
1869-D	LHB1, E1, N15	18	0.6	1	36	85		Depth: 6 inches; Hor: C; Size: silt; Moist: medium; Color: brown; Soil situs; alluvial; Org: low; Froz: no; Float: talus slope of dacitic volcanics and breccias, green colors brown, tan
1870-S	LHB1, E1, N14	13	0.4	1	19	70		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus of dacite volcanic and breccia contains apparently several different flows based on extrusive appearance of float(rain)
1871-R	LHB1, E1, N14	9	0.1	4	20	110	Au <.1	Type: grab; Float: representative sample of brown dacitic volcanic taken for background saw 1 vein of pyrite
1872-S	LHB1, E1, N14	9	0.2	1	24	50		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus gully of dacitic volcanics and breccia, several different textures and presumably flows
1873-S	LHB1	19	0.6	1	43	70		Dacitic volcanics interbedded with tuffaceous siltstone and conglomerates. Appears volcanics here are submarine?

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1874-R	LHB1, E3, N14	4	0.1	3	8	25	Au < .1	Type: grab; Float: talus of fine to medium grained granite, slight Mn stain
1875-R	LHB1, E3, N5	82	0.4	6	20	100	Au < .1	Type: grab; Float: yes; Float description: iron stained granodiorite from medial morraine of small glacier, disseminated pyrrhotite and saw 1 speck moly in one rock
1876-R	LHB1, E3, N5	1	0.1	14	5	10	Au < .1	Type: grab; Float: yes; Hi graded: yes; Float description: granodiorite with smoky quartz and some sericite having gray tallic mineral, sample taken to see if contains silver
1877-S	LHB1, E3, N5	10	0.3	6	39	90		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float talus gully above glacier draining coarse grained granite, super wide spaced pegmatitic quartz-feldspar veins having specks of moly here and there
1878-S	LHA2, E7, N8	7	0.1	2	10	18		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: morraine, float mostly monzonite with some diorite and andesite, this material seems to be coming from northeast side of stream

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1879-R	LHA2, E7, N8	120	0.4	6900	10	24	Au <.1 As < 10	Type: grab; Float: yes; Hi graded: yes; Bedrock: granodiorite, fine to medium graine with 1/2" wide iron stained vein or fracture surface in boulder, this contains coarse moly and arsenopyrite
1880-S	LHA2, E6, N9	9	0.3	6	15	66		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str istus: alluvial; Float: talus, morraine mostly diorit or granodiorite
1881-S	LHA2, E6, N9	8	0.4	2	15	82		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: diorite porphyry
1882-S	LHA1, E2, N14	37	0.7	18	95	188		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: n Size: silt-clay; Org: low; Str situs: alluvial; Float: quartz monzonite, fine grained and quartz diorite
1883-S	LHA1, E2, N14	21	1.0	16	115	130		Str wdth: 1-3; Av str dpth: 0-1/2; In floood: no; Size: sand-silt; Org: medium-low; Str situs: alluvial; Float: diorite and monzonite
1884-S	LHA1, E1, N14	19	2.2	34	110	170		Str wdth: 1-3; Av str dpth: 1-2; In flood: no; Size: silt; Org: medium; Str situs; alluvial; Float: monzonite diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1885-S	LHA1, E1, N14	22	0.5	20	25	68		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt-clay; Org: medium; Str situs: alluvial; Float: diorite and monzonite
1886-R	LHA2, E13, N14	4	0.6	2	10	40		Type: grab; Float: yes; Hi graded: yes; Float fine grained diorite with 1% pyrite on fracture surfaces and some chalcopyrite?
1887-S	LHB2, E9, N4,	7	0.1	1	10	65	Au < .1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite 55% rhyolite(porphyry) 20%, quartz monzonite 15%, granodiorite 10
1888-S	LHB2, E9, N4	6	0.3	1	20	55	Au < .1	Str wdth: 3-6; Av str dpth: 1/2-1; In floood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: porphyry dacite 70%, porphyry rhyolite 15%, quartz monzonite 15%
1889-R	LHB2, E9, N4	4	0.1	2	5	38	As < 10	Type: chip; Bedrock: yes; Float: rhyolite some recrystallized, limonite in vugs, no ore dissemination is found, mafics seem to be altered
1890-R	LHA2, E11, N4	140	0.6	2	25	48	As < 10	Type: chip; Bedrock: yes; Float: meta sediment, rhyodacite porphyry(?) very recrystalized, some silicified, spare quartz veins are found, vugs with limonite, a minor pyrite disseminated, limonite and some hematite and iron stain spots are noticed on the rock

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1891-S	LHA2, E9, N4	30	0.1	< 1	10	40	Au < .1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: meta sediment, float diorite 90%, meta sediments, 10%
1892-R	LHA2, E9, N3	90	0.4	3	15	74	As < 10 Cd 1.6	Bedrock: metasediments, rhyodacite(?) some silicified chloritic alteration(?) no ore dissemination at sight
1893-S	LHA2, E9, N3	54	0.4	1	20	68	Au < .1	Str wdth: 3-6; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: metasediment, Float: 30%, diorite 40%, quartz diorite 15%, granodiorite 15%
1894-R	LHA2, E5, N2	22	1.7	1	75	72	Au < .1	Type: chip; Bedrock: yes; Bedrock description: gabbro, some spare quartz veins(1" approximate)mafics are altered, iron stain is noticed in quite a few places around glacier on the rock pluton, iron stained sample, a little chloritic alteration on the rock
1895-R	LHA2, E6, N2	10	4.2	4	60	22		Type: chip; Bedrock: yes; Bedrock description: limestone, very altered with calcite, no ore dissemination

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1896-S	LHB2, E11, n13	9	0.4	1	30	86	As 30	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 70% rhyodacite dacite volcanics 10% rhyolite volcanics with pyrite, 10% chlorite-hematite altered volcanics, 10% chlorite-hematite alteredvolcanagenic sediments(see H.S.)
1897-S	LHB2, E10, N13	8	0.3	1	20	70	As 10	Str wdth: > 25; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial-bedrock; Float: 90% rhyodacite diorite volcanics and tuffs, some chlorite epidote alteration, 10% or less pyritic rhyolite tuffs
1898-S	LHB2, E10, N13	19	0.5	1	35	96	As 10	Str wdth: >25; Bedrock: chlorite altered rhyolite tuff, acid intermediate volcanics, tuffs and volcanigenic sediments, both no mineralization
1899-S	LHB2, E9, N13	13	0.3	1	20	70	As 50	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: acid intermediate tuffs and breccias, (some fragments of shale?) chlorite-hematite alteration, epidote and calcite veining

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1901-S	LHB2, E10, N5	27	0.6	1	43	140		Av str dpth: dry; In flood: yes; Size: silt; Org: low; Str situs: alluvial; Float: fine grained tuffs and volcanogenic sediments rocks and lapilli tuffs of moderately rare flow banded rhyolite(<5%) chlorite-epidote alteration of tuffs, rhyolite-andesite composition(?) some pyrite
1902-D	LHB2, E9, N5	10	0.7	2	71	145		Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: alluvial; Org: low; Froz: no; Float: fine grained volcanic sediments and tuffs and minor volcanic breccias and cgts-chlorite alteration, minor pyrite volcanics and chert(?) soil from toe of alluvial fan, beside main stream
1903-D	LHB2, E9, N4	15	0.8	4	50	150		Depth: 2 inches; Size: silt; Moist: medium; Color: brown; Soil situs: alluvial; Org: low; Froz: no; Bedrock: acid,intermediate lapilli and ash tuffs and tuffaceous sediments, chlorite altered, lesser flow, banded rhyolit and black dacite(?) minor chert(?) toe of alluvial fan, beside main river
1904-S	LHB2, E8, N4	14	0.7	2	41	120		Str wdth: < 1; Av str dpth: dry; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial; Float: 30% andesite(?) has 40% altered mafics in altered felsic groundmass(H.S.) 30% rhyolite and fine grained rhyolite tuff with fine grained leached s, 40% volcanic sediments, siltstone and egts

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1905-D	LHB2, E8, N4	17	0.9	2	50	155		Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: alluvial; Org: low; Froz: no; Float: 10% andesite, 40% volcanic sediments and siltstones, cgts and calcite altered, 20% rhyodacite porphyry with fine grained groundmass, barren 30% rhyolite tuffs, ancient sed from alluvial fan
1906-R	LHB2, E8, N4	13	0.4	5	12	185		Type: chip; Float: yes; Float description: 20% pink medium grained equigranular granite 10% andesite volcanics, 30% rhyolite volcanics and tuffs, 40% volcanic sediments, generally fine grained, rare porphyry as of 1905, refers sample of < 1" stain float no siltstones
1907-S	LHB2, E13, N5	7	0.4	4	13	55	Au < .1	Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: gravel; Org: medium; Str situs: glacial
1908-R	LHB2, E12, N5	36	0.6	4	110	160	Au < .1	Type: grab; Float: yes; Float: talus grab sample dark gray fine grained andesite(?) with 2-4 mm plagioclase(?) phenocrysts
1909-S	LHB2, E11, N5	13	0.3	1	20	90	Au < .1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: diorite boulders in stream

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1910-S	LHB2, E11, N5	9	0.2	< 1	15	55	Au .1	Str wdth: 15-25; Av str dpth: 1-2; In flood: n Size: gravel; Org: low; Str situs: glacial; Float: cobbles are mainly granodiorite-granite , diorite with minor amounts of meta sediments
1911-S	LHB2, E11, N5	5	0.3	1	27	90	Au .1	Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: gravel; Org: low; Str situs: glacial; Float: stream boulders primarily granite and granodiorite
1912-R	LHB2, E11, N5	95	2.1	4	148	130	Au .1	Type: grab; Float: yes; Float description: from talus cone, primarily monzonite and diorite
1913-S	LHB2, E10, N13	17	0.6	2	45	94		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Bedrock: agglomerate; Float: agglomerate 80%, volcanics 20%
1914-S	LHB2, E12, N13	4	0.3	< 1	14	50		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: colluvial; Bedrock: brown-gray dacite; Float: above 100%
1915-S	LHB2, E12, N13	8	0.4	1	21	70		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float; dacite 70%, agglomerate 20%, other volcanics, 10%,; Bedrock: volcanic agglomerate, dacite matrix and shale fragments and quartz

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1916-R	LHB2, E13, N13	9	0.4	5	18	30	Au <.1	Type: grab; Float: yes; Sample: bleached silicified daicte float with up to 3% fine grained pyrite
1917-S	LHB2, E13, N14	6	0.5	1	22	75		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: volcanic agglomerate 50%, reddish and gray dacite 50%
1918-S	LHB1, E1, N13	6	0.3	1	19	70		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: rhyolite dacite, agglomerate 20% dacite 70%, rhyolite 10%
1919-S	LHB1, E1, N13	5	0.2	1	26	50		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: tuff and graywacke, dacite 70%, agglomerate 20%, rhyolite 10%
1920-S	LHB1, E2, N13	3	0.1	1	13	40		Str wdth: 3-5; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: none observed; Float: black columnar jointed quartz dacite70%, brown-green 2 %, quartz dacite, agglomerate 10%, and tuff
1921-S	LHB1, E2, N13	10	0.3	1	20	85		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: glacial; Sample: glacial wash green -80 mesh, chert volcanic conglomerates, dacite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1922-S	LHB1, E2, N13	6	0.2	1	15	70		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: black dacite
1923-S	LHB1, E3, N13	10	0.4	1	66	130		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock-float; above
1924-S	LHB1, E3, N5	5	0.2	6	14	30		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float, gray biotite granite above and porphyritic iron stained granite, molybdenite observed in quartz veins in float no appreciabl alteration, visible molybdenite in sediments
1925-S	LHB1, E3, N6	8	0.1	7	14	40	Au < .1	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: light gray granite; Float: light gry granite, visable molybdenite in sediment
1926-S	LHA2, E4, N4	44	0.6	< 1	7	100		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: glacier, none observed; Float: basic meta volcanics(?) cut by granite dykes float commonly iron stained

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1927-S	LHA2, E4, N4	35	0.6	1	9	90		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: glacier, none observed; Float: meta volcanics, fine dark hornfels, migmatite feldspar and coarse biotite, hornblend hornfels, pyrite and pyrrhotite, <1% float
1928-S	LHA2, E4, N5	98	1.2	1	13	40		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: none observed, glacier; Float: red stained amphibolite and hornfels with quartz monzonite, pyrrhotite dominant sulfide
1929-S	LHA2, E4, N5	47	1.0	1	22	70		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: none observed; Float: quartz monzonite increasing in float appearing as if approaching pluton, quartz monzonite 50%, hornfels 50%, pegmatite is frequently observ
1930-S	LHA2, E4, N6	16	0.6	1	15	34		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: argillite, 50% argillite, 40% granitic rocks, 10% hornfels
1931-S	LHA2, E4, N6	40	0.8	1	15	66		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: argillite above

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1932-S	LHA2, E9, N5	10	0.1	1	10	34		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: biotite granodiorite; Float: above <1% aplite float unaltered
1933-S	LHA2, E9, N5	28	0.3	1	15	66		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: none observed, glacier; Float: hornfels, basalt(?) 80%, 20%
1934-S	LHA2, E9, N6	8	0.3	1	10	54		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: none observed; Float: dark black andesites with fine grained matrix and about 10% phenocrsyts, 30% and fine grained banded siltstone 70%
1935-S	LHA2, E9, N6	11	0.3	1	10	50		Str wdth: 1-3· Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 75% pink alaskite, 20% granodiorite, 5% hornfels; Bedrock : none observed, morraine
1936-S	LCD2, E7, N17	10	0.5	< 1	20	38		Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: quartz diorite with xenoliths of darker fine grained quartz diorite and porphyritic basalt < 1% highly epidotized quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1937-S	LCD2, E7, N17	8	0.4	< 1	15	34		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: quartz diorite with xenoliths of darker fine grained quartz diorite and porphyryic basalt some rock iron stained
1938-S	LHA2, E7, N1	8	0.4	< 1	10	22		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Bedrock description: quartz diorite with xenoliths of darker fine grained quartz diorite; Float: same as above plus a few boulders (<1%) of calcite
1939-S	LHA2, E7, N1	13	0.4	< 1	15	48		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no Size: sand-silt; Org: high; Str situs: alluvial; Float: quartz diorite with xenoliths of darker quartz diorite and porphyritic basalt a few boulders are iron stained
1940-S	LHA2, E8, N2	6	0.3	< 1	20	42		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no Size: sand-silt; Org: medium; Str situs: alluvial; Float: quartz diorite with xenoliths of darker fine grained quartz diorite several cobbles of dacite porphyry, several cobbles of highly epidotized quartz diorite
1941-R	LcD2, E7, N17	72	400.0	130	18,000	10,200	Au <.1 As 30	Type: grab; Float: yes; Hi graded: yes; Float description: glacial morraine, quartz diorite with xenoliths of darker fine grained quartz diorite and porphyritic basalt, sample quartz vein in quartz diorite(?) contains crystals of galena, sphalerite and pyrite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1942-D	LHA2, E9, N14	12	0.3	6	40	106	Au < .1	Depth: 1inch; Size: sand-silt; Org:low; Moist: medium; Color: brown; Soil situs: talus fines; Froz: no; Float: dacite to andesite porphyritics welded tuff and breccias, some latite and chert, some iron staining, bedrock, fine grained granodiorite
1943-S	LHA2, E8, N14	13	0.6	3	45	110		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Bedrock description: fine grained granodiorite; Float: latite to andesite porphyries and volcanic breccias, some wellded tuff
1944-S	LHA2, E8, N15	42	0.9	5	165	360		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Bedrock description: fine grained granodiorite; Float: 50% granodiorite, dacite and andesite breccias, dacite welded tuff
1945-S	LHA2, E7, N15	13	0.5	3	65	88		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no Size: sand-silt; Org: high; Str situs: bedrock; Bedrock description: fine grained quartz diori Float: same as above, <1% dacite breccia
1946-R	LHA2, E6, N15	31	1.0	3	65	104	Au <.1	Type: grab; Bedrock: yes; Bedrock description: quartz monzonite with disseminated blebs of pyrrhotite and pyrite with small amount of chalcopyrite small radiating masse of pyrophyllite(?); Float: quartz diorite, andesite porphyry dacite breccia, quartz monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1947-R	LHA2, E6 , N15	18	0.2	2	10	58	Au .1	Type: grab; Bedrock: yes; Bedrock description: quartz monzonite, fine grained with disseminated blebs of pyrrhotite and pyrite bedrock upstream and downstream is quartz diorite; Float: dacitic volcanic breccia quartz diorite
1948-S	LHB 1, E1 , N1	1	0.2	< 1	4	8		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 75% quartz monzonite with xenoliths of quartz diorite, quartz diorite, diorite
1949-R	LHB1, E1 , N1	36	0.4	2	34	24	Au .1	Type: grab; Float: yes; Hi graded: yes; Float: 75% quartz monzonite, some with xenoliths of quartz diorite and diorite 2% of quartz monzonite, iron stained contains magnetite? (sample) diorite 5% gabbro
1950-R	LHB1, E1 , N1	58	1.1	2	18	10	Au .1 Ni 13	Type: grab; Float: yes; Hi graded: yes; Float: 50% diorite to gabbrowith pyrrhotite and some chalcopyrite on fractures (sample) 50% quartz monzonite
1951-R	LHA2, E6, N2	84	1.1	1	40	46	Au .1 As 10	Type: chip; Bedrock: yes; Float: tactite, greenish colored, fine grained, silisified quartz veinlets and some pyrite and chalcopyrite dissemination are noticed, dike has 1' wide country rock is rich in calcite, looks like skarn, behind that dike altered limestone, skarn type dike 30' wide, see diagram on note

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1952-R	LHA2, E6, N2	29	0.6	1	25	64	As < 10	Type: chip; Bedrock: yes; Bedrock description: metasediment; Special spl notes: strongly silicified, a minor pyrite dissemination is found, outcrop and sample show a limonitic and iron stain cover, two basic dykes cut the rock cropping, small fractures have hematite
1953-S	LHA2, E6, N2	18	0.8	< 1	20	46	Au < .1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: meta sediment; Special spl notes: float material, gabbro 70%, meta sediments 30%
1954-S	LHA2, E6, N3	19	1.3	3	20	22	As < 10	Str wdth: 6-10; Av str dpth: 1-2; In flood: ye. Size: sand; Str situs: alluvial; Bedrock: metasediment; Special spl notes: gabbro 60%, diorite → 10%, metasediment 30%
1955-R	LHA2, E6, N3	160	0.3	11	10	62	Au <.1	Type: chip; Bedrock: yes; Bedrock description: meta sediments; Special spl notes: showing a minor pyrite dissemination, sampl iron stained, fine grained
1956-R	LHA2, E5, N11	2	0.2	1	6	62	Au <.1	Bedrock: quartz diorite, Special spl notes: medium grained, mafics are altered, the whole pluton very weathered, no evidence of ore dissemination

PROJECT - COOK INLET

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1957-S	LHA2, E5, N15	3	0.3	< 1	8	36	Au < .1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Str situs: alluvial; Bedrock: quartz diorite; Special spl notes: float quartz diorite 100%
1958-S	LHA2, E5, N14	2	0.2	< 1	5	56	Au < .1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz diorite; Float: quartz diorite 100%
1959-S	LHA2, E4, N13	27	0.5	< 1	10	68	As < 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Sizs: sand; Str situs: alluvial; Bedrock: quartz diorite; Special spl notes: float quart. diorite 50%, diorite 15% metasediments 25% graywacke sandstone 10%
1960-S	LHA2, E5, N13	17	0.4	< 1	8	40	As <10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz diorite; Float: quartz diorite 60%, diorite 25%, metasediments 15%, graywacke sandstone 10%
1961-S	LHA2, E4, N13	27	0.5	1	10	68	As < 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Str situs: alluvial; Float: quartz diorite 60%, diorite 15%, meta sediment 25%, graywacke sandstone 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1962-R	LHA2, E4, N12	1	<.1	1	3	6	Au <.1	Bedrock: alaskite; Special spl notes: very fine grained, rich in quartz, no ore dissemination oat sight, no alteration, found in contact with metasediments in the upper part quartz diorite on the floor
1963-S	LHA2, E4, N12	41	0.4	1	8	30	Au <.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz diorite; Float: quartz diorite 50% diorite 15%, meta sediments 35%
1964-R	LHB2, E12, N2	1	0.2	1	4	16	Au <.1	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite, fine grained, no signs of any type of alteration, no ore dissemination, blocky cropping
1965-R	LHA2, E11, N2	1	0.1	1	4	14	Au <.1	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite, fine grained, mafics show a slight alteration due to weathering, no hydrothermal alteration no ore dissemination
1966-S	LHB2, E12, N7	7	0.5	2	39	100		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: glacial; Bedrock: morraine, rhyolite and andesite also volcanic breccias of both, andesite has epidote veins

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1967-R	LHB2, E12, N7	10	0.4	3	12	55	Au .1 As 10	Type: grab; Float: yes; Bedrock; morraine of rhyolite and andesite rock sample of andesite with epidote veins
1968-S	LHB2, E11, N7	3	0.4	1	12	60		Str wdth: 6-10; Av str dpth: > 2; In flood: no; Size: silt-clay; Org: low; Str situs: glacial, alluvial; Bedrock: morraine, rhyolite, dacite, and andesite, both in breccias and porphoritic
1969-S	LHB2, E11, N7	5	0.3	1	16	70		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: porphyritic rhyolite and andesite
1970-S	LHB2, E11, N7	6	0.3	< 1	17	70		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: porphyritic andesite and dacite
1971-S	LHB2, E11, N6	14	0.5	< 1	34	140		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Bedrock: outcrops 100' upstream and is andesite, float: is chloritized, diorite and volcanics

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1972-S	LHB2, E11, N6	14	0.6	1	38	145		Str wdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: volcanics, rhyolite and dacite, porphyritic, there is a large canyon upstream, composed of chloritized rhyolite and dacite
1973-R	LHB2, E11, N6	7	0.6	2	32	95	Au <.1 As < 10	Type: grab; Float: yes; Float description: sample appears to be an altered rhyolite or an aplite, that is iron stained, makes up about 20% of float
1974-S	LHB2, E10, N5	12	0.4	< 1	21	95		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: talus, mostly rhyolite and dacites
1975-S	LHB2, E10, N5	15	0.5	< 1	25	90		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: talus of fine grained rhyolite s and dacites
1976-D	LHB2, E9, N4	16	0.9	< 1	50	110		Depth: 4 inches; Hor: B; Size: silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: volcanics, rhyolite dacites

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1977-R	LHA2, E5, N1	58	0.2	6	20	38	Au <.1	Type: grab; Float: yes; Hi graded: yes; Float description: sample is intensely limonite stained granodiorite with 50% disseminated pyrite(?) the rest of morraine material is mostly diorite some showing chloritic alteration, east wall of glacier next to morraine is a diorite with rhyolite(?) dike N43°E, dip to SE, about 150' up wall
1978-R	LHA2, E4, N1	14	0.6	2	25	32	Cd 1.1	Type: grab; Float: yes; Bedrock: sample of medium grained diorite with bluish tinted white mineral on fracture surface, does not effervese, rest of moraine is 50% diorite mostly medium grained with some fine grained diorite 50%, granodiorite with some iron staining
1979-S	LHB2, E7, N3	22	0.5	1	15	80		Str wdth: <1; Av str dpth: dry; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial Float: 60% medium-coarse grained chlorite epidote altered equigranular diorite 10% rhyodacite(with dirite) porphyry as for 1905, 10% andesite, or graywacke(?) 20% volcanigenic sandstones, chlorite altered, andesite composition, rare rhyolite(K-spar porphyry)
1980-D	LHB2, E7, N3	79	0.8	1	29	100		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial, talus fines; Org: medium;Froz: no; Float: 70 massife medium grained graywacke, 20% dar gray argillite with iron staining, due to fine grained disseminated pyrite(?) 10% rhyodacite porphyry

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1981-S	LHB2, E7, N3	83	0.8	3	23	140		Str wdth: 1-3; Av str dpth: dry; In flood: yes; Size: gravel-sand; Org: low; Str situs: alluvial; Float: 60% graywacke, massive medium grained, 25% argillite and siltstone with minor fine grained pyrite(?) weak limonite stain, 10-15% medium-coarse grained equigranular diorite, minor equigranular medium grained quartz monzonite
1982-S	LHB2, E6, N2	67	0.8	1	19	125		Str wdth: >25; Av str dpth: dry; In flood: yes; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 10-15% eg fresh quartz H.S. monzonite possibly as dykes thru sediments 10% siltstones, 80% massive graywacke seakly hornfelsed, some show seak porphyry or pyrite mineralization, contact effect, minor medium grained-coarse grained diorite
1983-S	LHB2, E6, N2	13	0.4	1	17	85		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no Size: sand-silt; Org: low; Str situs: alluvial; Float: 55% coarse grained quartz biotite diorite, 50% fine-mediu m grained massive graywacke, 5% dacite float, very little mineralization in any rocks
1984-S	LHA2, E4, N1	40	0.6	< 1	17	65	Cd 1.0	St r wdth: < 1; Av str dpth: 0-1/2; In flood: no Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: medium-coarse grained black-white speckled mafic diorite(c.i. ≃ 50) epidote on some fractures, some quartz vein milky some less mafic diorite dikes and quartz diorite with trace disseminated magnetite, 5% aplite(dikes?) float with epidote on fracture surfaces, dykes have dips

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1985-S	LHA2, E4, N1	29	0.7	< 1	9	60		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no Size: silt;Org: low; Str situs: glacial, on ice; Float: as for 1984
1986-D	LHA2, E4, N1	15	0.7	1	9	70		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: as for 1984, see H.S. rare limonite stained diorite boulders with trace 1/2% disseminated pyrite
1987-S	LHA2, E3, N2	16	0.6	1	6	30		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: glacial-alluvial; Float: as for 1984, but here have 15% quartz diorite, white some eg amphibole and trace pyrite
1988-S	LHA2, E3, N3	10	0.4	< 1	4	60		Str wdth: > 25; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: outcrop and 50% float coarse grained quartz-biotite, diorite some epidote on fractures, 50% float medium grained (generally) mafic diorite (c.i. ≃ 50) rare andesite porphyry
1989-R	LHA2, E3, N3	40	0.8	4	16	50	Cd 0.5	Type: chip; Float: yes; Bedrock description: highly fractured actually close cubic jointing argillite siltstone, weak limonite stained due to disseminated fine grained pyrite and porphyry, weak hornfelsing, rare chlorite and epidote altered andesite porphyry in float, r fines stone so refers float rich sample

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1990-S	LHA2, E7, N11	8	0.1	2	15	56		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: glaci: Float: 50% coarse-medium grained quartz diorite, 50% andesite feldpar porphyritic outcrop+diorite
1991-D	LHA2, E7, N11	18	0.3	2	20	82		Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: 65% medium-coarse grained eg diorite quartz?, 10% hornfelsed(?) silicified(?) pyrite (1%) andesite, 25% unaltered black feldspar porphyry andesite with trace pyrite
1992-D	LHA2, E7, N12	50	0.6	2	30	148		Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: eg diorite(with quartz?) minor chlorite-epidote alteration, some secondary K-spar
1993-S	LHA2, E7, N12	8	0.2	1	15	44		In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: predominantly very coarse grained quartz biotite, diorite(or possibly granodiorite) 30% fine grained more medonocoatic diorites, trace andesite float
1994-S	LHA2, E7, N12	18	0.4	1	15	66		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: coarse grained unaltered quartz monzonite; Float: 75% coarse grained quartz biotite diorite, 15% medonocoatic fine-medium grai. diorite, 5% hornfelsed sediments, 5% quartz monzonite H.S. 1993 a from 1/2 way between 1993 and 1994, hornfel or dyke rock?

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1995-S	LHA2, E7, N13	23	0.5	3	25	72		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: hornfelsed fully limonite stained, siltstone float predominantly coarse grained quartz diorite 15% more melonocostic medium grained equigranular diorite, 10% coarse grained quartz monzonite, 10% hornfelsed siltstone
1996-S	LHA2, E7, N3	15	0.2	1	20	60		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial; Float: 80% coarse-medium grained equigranular, hornblende diorite as for 1990? 20% aplite? pale pink fine grained rock with 5% feldspar phenocrysts and 5% chlorite hornblende? no mineralization
1997-S	LHA2, E7, N14	14	0.3	1	20	56		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: outcrop and 15% float=medium-coarse grained equigranular diorite, 85% acid and intermediate volcanics tuffs, and volcanogenics sediments

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1998-S	LHA2, E6, N18	23	0.6	2	25	92		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 60% coarse grained quartz biotite diorite, unaltered unmineralized 10% hornfelsed siltstone with fine disseminated pyrite-porphyry 25% andesite or strongl hornfelsed, rextallized graywacke(aplite facies) minor fresh porphyritic dacite
1999-S	LHA2, E5, N17	16	0.5	2	15	64		Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: only a little quartz diorite sand, mainly grassed over ancient sediment or pebbles
2000-S	LHA2, E5, N17	6	0.3	2	15	82		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 95% biotite tonalite and biotite trondjemite, 5% hornfelsed siltstone
2001-R	LHB2, E10, N5	11	0.4	1	25	95	Au <.1	Type: chip; Bedrock: yes; Float: greenstone fine grained andesite(?) with 2-5 mm phenocrysts of plagioclase
2002-R	LHB2, E10, N5	18	0.4	1	36	80	Au <.1	Type: chip; Bedrock: yes; Float: silicified breccia, conglomerate(mudflow bx?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2003-S	LHA2, E11, N1	5	0.1	-1	10	22	Au -.1	Str wdth: 6-10; Av str dpth: 0=1/2; In flood: no; Size: gravel; Org: low; Str situs: glacial; Float: bedrock, diorite
2004-R	LHA2, E10, N13	41	0.9	1	20	30	Au -.1 As -10 Ni 62 Cr 45 Ti 1000, W -.02% Fe 70%, Mn 1900	Type: grab; Float: yes; Float description: highly contorted recrystallized quartzite magnetite(+) meta sediments, sample is primarily magnetic float
2005-S	IHA2, E10, N2	75	0.2	-1	15	46	Au -.1	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: medium;Str situs: glacial; Float: bedrock is biotite-hornblende quartz diorite
2006-S	LHA2, E10, N2	6	0.1	-1	10	24	Au -.1	Str wdth: 15-25; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: medium; Str situs: glacial; Float: boulders primarily quartz diorite
2007-S	LHA2, E10, N2	5	1.1	-1	15	34	Au -.1	Str wdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: medium; Str situs: glacial
2008-S	LHA2, E9, N2	4	0.2	-1	5	22	Au -.1	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: gravel; Org: medium; Str situs: glacial

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2009-R	LCD2, E8, N15	160	1.5	23	25	40	Au -.1	Type: grab; Float: yes; Float description: rock chips and soil from talus slope in quartz diorite, rock chips are iron stained
2010-R	LCD2, E8, N14	45	1.1	4	20	60	Au -.1	Type: grab; Float: yes; Float description: muscovite quartz feldspar schist, biotite quartz feldspar schist, biotite hornblende quartz diorite, monzonite, gabbro, sericite quartz schists, diorite breccia, iron staining abundant
2011-R	LCD2, E8, N14	37	1.0	7	10	82	Au -.1	Type: chip; Bedrock: yes; Float: intense iron stained, mica quartz schists with 1-15% pyrite and porphyry
2012-R	LCD2, E8, N14	47	0.7	7	5	122	Au -.1	Type: chip; Bedrock: yes; Bedrock descriptio: diorite and mica quartz schist with pyrite 1-10%
2013-S	LHB1, E3, N6	1	-.1	1	6	5		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: morraine of granite with disseminated pyrrhotite
2014-R	LHB1, E3, N6	9	1.0	19	16	1550	Au -.1 W -.02%	Type: grab; Float: yes; Float description: scarse mineralization of epidote magnetite quartz on glacial morraine

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2015-S	LHA2, E3, N4	95	0.9	7	20	300		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock and talus of siltstone, 90% , 3 different finds of diorite 10%, 1 of diorite has stron disseminated pyrrhotite most rock have some irratic quartz veining large drainage
2016-S	LHA2, E3, N5	130	1.0	8	20	440		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: outcrop and talus of highly pyrrhotitze black siltstone and shale, metamorphic type quartz vein
2017-S	LHA2, E3, N6	160	1.3	14	25	760		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 95% pyrrhotitzed siltstone, 5% diorite unaltered, "rain"
2018-S	LHA2, E3, N6	73	0.6	4	15	260		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: bedrock is black siltstone iron stainec from pyrrhotite apparently cut by diorite and diorite porphyry dikes based on float large
2019-S	LHA2, E3, N6	48	0.4	1	15	80		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: large drainage from area of pyrrhotic siltstone, outcrop lot of diorite float but it is presumed glacial and up the main stream acc

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2020-S	LHA2, E7, N11	9	0.3	2	15	74		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: small stream running on top of glacier, outcrop and talus of coarse grained quartz diorite which has occasionaly large book of molybdenum and an iron staine fine grained diorite, no mineralization here
2021-S	LHA2, E7, N11	7	0.2	1	15	54		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: small stream top of glacial ice, float of three types of diorite, a dacite porphyry and a quartz monzonite in morraine, lot of epidote and chlorite, seems some sericite but no sulfides
2022-R	LHA2, E6, N11	11	0.7	5	25	8	Au -.1	Type: grab; Hi graded: yes; Float: talus of ir stained gran odiorite, takes to see if any gol iron stain is brown sericite(?) coatings fracture surface
2023-R	LHA2, E6, N11	13	0.1	6	15	42	Au -.1	Type: grab; Float: yes; Float description: talus of granodiorite altered by siderite(?) veining brown color on fracture surfaces, ha inclusions in outcrop of pyrrhotized siltston

PROJECT - COOK INLETA

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2024-S	LHA2, E7, N11	34	0.4	3	40	112		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: fines from talus gully of coarse grained quartz diorite, lot of roof pendants of pyrrhotized siltstone
2025-S	LHA2, E7, N12	65	0.7	4	25	100		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: moss covered gully of fines in talus of quartz diorite, gully drains area of pyrrhotized siltstone roof pendant
2026-R	LHA2, E6, N12	14	0.4	3	15	70		Type: grab; Float: talus sand of medium grain diorite, approximately 50% of float is siltstone, from roof pendants in diorite oo
2027-S	LHA2, E6, N13	61	0.5	2	15	102		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus of quartz diorite and pyrrhotized siltstone approximately 50% each near contact zone
2028-S	LHA2, E6, N13	36	0.4	1	15	88		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus of diorite and meta siltstone diorite has partially assimalated some siltstone

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2029-S	LHA2, E6, N14	36	0.3	1	10	60		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: large stream-detritus of mixed diorite and siltstone continues
2030-S	LHA2, E6, N14	33	0.5	2	15	74		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: diorite talus, siltstone roof pendants continue
2031-S	LHA1, E2, N14	7	0.2	1	6	7		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: detrius of biotite monzonite and quartz diorite, trace pyrrhotite in monzonite
2032-S	LHA1, E1, N14	12	0.4	7	18	18		Float: quartz monzonite, 90% talus and quart diorite 10%, not many fines in talus slope here
2033-S	LHA1, E1, N14	23	0.4	10	14	40		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: quartz monzonite talus trace of pyrrhotite, near biotite gives slight rusty color
2034-S	LHA1, E1, N14	22	0.6	6	20	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: quartz biotite monzonite talus trace pyrrhotite one pyrrhotite and trace chalcopyrite vein

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2035-S	LHA2, E13, N14	-1	0.1	-1	2	320		Float: talus is now 95% quartz diorite and only 5% quartz monzonite, contact zone, rock is unaltered
2036-R	LHA2, E13, N14	2	0.1	1	6	14		Type: grab; Float: talus sample of fine grain quartz monzonite, has inclusions of rounded dark colored biotite diorite
2037-R	LHA2, E12, N14	3	0.1	3	12	8	Au -.1	Type: grab; Hi graded: yes; Bedrock description: sample represents high graded 1% of float of strongly pyritized granite, no interest unless runs significant gold
2038-S	LHA2, E11, N14	10	0.4	1	26	118		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus of mostly coarse grained biotite granite, some float of diabase dikes and even some basic intrusive breccia
2039-R	LHA2, E13, N18	40	1.4	2	14	10	Au -.1 Ni 13	Type: grab; Float: yes; Hi graded: yes; Bedrock: hornblende diorite; Float: hornblend diorite and hornblende gabbor with disseminated pyrrhotite, pyrrhotite and chalcopyrite along fractures (sample) most float has iron stain on fractures

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2040-S	LHA2, E13, N17	10	1.1	1	14	12		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Bedrock: hornblende diorite; Float: hornblende diorite and hornblende gabbro(10%), some coarse grained hornblende in gabbro contains some magnetite
2041-S	LHA2, E12, N17	14	0.1	1	7	30	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 30% hornblende diorite, some gabbro, 70% granite and granodiorite, some with xenoliths of diorite
2042-S	LHA2, E12, N17	21	0.3	2	12	52		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 70% diorite, fine grained 15% basalt with quartz and epidote veining, 15% granite and grano-diorite, some iron stain, mainly on diorite
2043-S	LHA2, E11, N17	17	0.5	-1	12	62		Av str dpth: dry; In flood: no; Size: sand-silt Org: low; Str situs: colluvial-alluvial; Float: 80% quartz diorite and diorite fine grained 20% basalt, often with epidote veining or masses, quartz diorite and diorite often intermixed 1% of rocks iron stained

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2044-S	LHA2, E11, N17	27	0.7	1	18	82		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; Float: quartz diorite and diorite, fine grained, often intermixed 5% porphyritic basalt and gabbro
2045-R	LHA2, E10, N17	1	0.1	1	10	36	Au -.1 Cd 0.2	Type: grab; Float: yes; Float description: 50% quartz diorite, 30% granodiorite and some iron stained, (sample) porphyritic rhyodacite
2046-D	LCD2, E10, N17	18	0.8	8	10	76		Depth: 1 inch; Size: sand-silt; Moist: medium; Color; brown; Soil situs: talus fines; Org: low; Froz: no; Bedrock: quartz diorite with xenoliths of diorite and porphyritic gabbor, some diorite also porphyritic, float same
2047-S	LCD2, E10, N16	6	0.8	2	10	48		Size: sand-silt; Org; low; Str situs: glacial; Bedrock: not able to determine stream size flowing under morraine; Float: hornblende biotite quartz diorite with xenoliths of diorite and gabbro, some porphyritic some iron stain
2048-D	LCD2, E10, N16	24	0.7	7	10	66	Au -.1	Depth: 1 inch; Size: sand-silt; Moist: medium Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: hornblende biotite, quartz diorite with xenoliths of diorite and gabbro, some porphyritic <1% hornblende dillenite glacial morraine and talus, hornblende and biotite in quartz diorite are magnetic, contain magnetite?

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2049-R	LCD2, E10, N16	70	0.6	86	5	62	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: hornblende biotite quartz diorite, with xenoliths of diorite and gabbro, some porphyritic, hornblende and biotite magnetic, contain magnetite, sample, iron stained quartz diorite, contains disseminated pyrite, < 1% hornblende dellenit
2050-S	LCD2, E10, N16	4	0.3	1	5	18	Au -.1	Str wdth: 10-25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: hornblende biotite quartz diorite with xenoliths of diorite and gabbro some porphyritic hornblende and biotite magnetic, contain magnetite? some rock iron stained
2051-S	LHA2, E9, N6	9	0.3	1	10	46		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 40% quartz diorite, 40% gray alaskite 20% andesite and other volcanics; Bedrock: none observed morraine
2052-S	LHA2, E9, N7	4	0.2	1	10	19		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz diorite 60%, hornfels 30%, quartz monzonite and other granitics 10%
2053-S	LHA2, E8, N6	14	0.5	3	25	42		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite granodiorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2054-S	LHA2, E8, N6	9	0.3	4	20	36		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite granodiorite, from spring fed by two alluvial fans
2055-S	LHA2, E8, N6	4	0.2	1	10	18		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite granodiorite
2056-S	LHA2, E7, N6	14	0.2	2	10	36		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: low; Str situs: alluvial Bedrock: none observed; Float: biotite granodiorite, oversize sediments, sample crush to 80 mesh
2057-S	LHA2, E10, N15	9	0.3	2	20	48		Str wdth: 10-15; Av str dpth: > 2 ; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: granitics quartz diorite to granodiorite, volcanics 20% hornfels 10%
2058-S	LHA2, E9, N15	8	0.2	2	15	40		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: 50% black andesite, 40% gray rhyodacite, porphyritic aplite(?) 10% aplitic biotite quartz diorite
2059-S	LHA2, E2, N15	17	0.4	6	60	132		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: 25% dark gray andesite, 60% gray quartz dacite, 15% fine grained rhyodacite(?) aplite(?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2060-S	LHA2, E7, N16	10	0.4	4	25	56		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: black andesite porphyry, gray rhyodacite(?) porphyritic aplite(?) rhyodacite with @0.3% 0.1 mm pyrite pseudomorphs
2061-S	LHB2, E13, N1	10	0.2	1	10	34		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: none observed; Float: 80% iron stained, hornfelsed argillite up to 2% pyrrhotite, 20% granitic rocks, monzonite diorite porphyry, quartz diorite, sample at toe of glacier
2062-R	LHB2, E13, N1	17	0.1	4	10	24		Type: grab; Float: yes; Bedrock: complex intrusive including quartz diorite aplite, and pegmatite with porphyritic varients and common included zenoliths, sample of prpyliticly altered iron stained biotite quartz diorite original pyrite(?) content est 0.5%
2063-S	LHA2, E13, N17	17	0.5	8	30	104		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: biotite aplite; Float: local, quartz diorite and related rocks, morraine has contributed much exotic float

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2064-S	LHA2, E12, N17	9	0.1	1	10	30		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: 70% gray quartz diorite, 20% other granitic rocks quartz monzonite, light gray quartz diorite, 10% hornfels
2065-S	LHA2, E11, N17	28	0.4	1	15	56		Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: quartz diorite
2066-S	LHA2, E11, N17	32	0.3	3	20	94		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Bedrock: none observed; Float: quartz diorite and related intrusive
2067-S	LHA1, E1, N16	59	0.9	8	55	158		Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: propyliticaly altered quartz monzonite with epidote magnetite veinlets
068-S	LHA1, E1, N16	34	0.6	1	25	58		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Sample: from medium morraine, float 40% diorite, 30% quartz monzonite, 30 % quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2069-D	LCD2, E8, N14	63	0.8	22	10	46	Au -.1 Cd 0.7	Depth: 3 inches; Hor: B; Size: sand; Moist: medium; Color: orange; Soil situs: glacial; Org: low; Froz: no; Float: soil from orange rock glacier, pyrite and Mn in rock
2070-S	LCD2, E7, N13	89	0.8	12	30	110	Au -.1	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: low; Str situs: glacial Float: orange sediment
2071-S	LCD2, E7, N13	11	0.7	1	10	34	Au -.1	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: low; Str situs: glacial
2072-R	LCD2, E7, N13	57	0.3	10	5	36	Au -.1	Type: chip; Bedrock: yes; Float: iron stained diorite with pyrite 1-2%
2073-R	LCD2, E8, N14	14	1.4	3200	15	12	Au -.1	Type: grab; Float: yes; Float description: rock glacier float
2074-R	LHA1, E1, N7	27	0.5	47	25	58	Au -.1 Cd 0.6	Type: chip; Bedrock: yes; Float: contorted and crudely foliated, silicified meta shale siltstone with trace pyrite, calcite veinlets

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2075-S	LHA1, E1, N7	48	0.4	14	10	58	Au -.1	Str wdth: 15-25; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: medium; Str situs: glacial
2076-S	LHA1, E1, N7	22	0.2	3	5	38	Au -.1	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: gravel; Org: medium; Str situs: colluvial
2077-S	LHA1, E2, N6	58	0.6	1	20	92	Au -.1	Str wdth: 10-15; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: medium; Str situs: glacial
2078-S	LHA1, E2, N6	57	0.6	2	10	72	Au -.1	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: medium; Str situs: glacial
2079-R	LHA1, E2, N6	120	0.8	3	15	260	Au -.1 Cd 1.1	Type: chip; Bedrock: yes; Float: contorted sub schistose silicified phyllitic meta sediments, with quartz veinlets and disseminated pyrite
2080-S	LHA2, E2, N14	18	0.3	2	20	74		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: diorite and monzonite small outcrop of iron stained diorite(?) it looks like a gossan

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2081-R	LHA2, E12, N14	13	1.2	6	20	70		Type: chip; Bedrock: yes; Hi graded: yes; Bedrock description: small iron stained outcrop (10' by 10') with massive pyrite in altered diorite, larger outcrop 100' higher adjacent to diorite
2082-S	LHA2, E12, N14	11	0.3	1	10	20		Str wdth: 10-15; Av str dpth: >2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Bedrock-Float: mostly diorite and monzonite some iron stained, upstream is an iron stained outcrop
2083-R	LHA2, E12, N14	46	0.4	4	10	20	Cd 2.4	Type: grab; Float: yes; Hi graded: yes; Bedrock description: sample consists of 3 separate rock types, one may have some chalcopyrite in it and is silicified diorite
2084-R	LHA2, E11, N15	19	0.4	10	15	54	Au -.1	Type: grab; Float: yes; Float description: mainly dacite with some porphyritic andesite sample is of rhyodacite iron stained with pyrite and some chalcopyrite(?) which is coming from cliff above stream that is massively stained, there is outcrop at base of cliff of andesite
2085-S	LHA2, E11, N15	32	0.7	9	30	138		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: mainly dacite and porphyritic and with some 35% iron stained volcanics

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2086-D	LHA1, E4, N16	20	1.2	22	26	64		Depth: 2 inches; Hor: B; Size: silt-clay; Moist: dry; Color: white; Soil situs: residual glacial; Org: low; Froz: no; Bedrock: small outcrop of quartz diorite with some monzonite float
2087-R	LHA1, E4, N16	10	119.0	155	2800	640		Type: grab; Float: yes; Hi graded: yes; Float description: iron stained rock which is scattered around, which has been totally altered to quartz-sericite
2088-S	LHA1, E4, N16	31	6.9	72	750	260		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: glacial-alluvial; Float: diorite, fine grained diorite zenoliths in diorite and monzonite there is iron staining on some of the fracture surfaces of diorite but no mineraliza tion
2089-R	LHA1, E4, N16	4	-.1	2	5	12		Type: grab; Float: yes; Float description: sample is a fine grained sugary rock(aplite? with chlorite and .5% MoS2, on fracture surfaces, there are many other rocks with chlorite on fractures, but not much
2090-R	LHA1, E3, N16	5	0.2	180	10	30	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: sample of quartz vein 1/2" thick cutting through fine grained diori 5% coarse moly in vein, quartz diorite fine grained diorite, fine grained sugary roc

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2091-S	LHA2, E5, N17	9	0.7	1	25	110		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 100% quartz diorite and trondjemite float
2092-S	LHA2, E5, N17	8	0.3	1	15	82		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium-low; Str situs: alluvial-bedrock; Bedrock description: 100% quartz and 95% float eg quartz biotite-diorite some is feldspar porphyry(→1") spare K-spar veining, 5% hornfelsed siltstone/sandstone trace andesite volcanics
2093-S	LHA2, E4, N17	7	0.5	1	25	110		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock: Bedrock description: 99% coarse grained quartz-biotite, diorite with mafic inclusions 1% limonite stained(quartz vein?") minor hornfelsed sediment
2094-S	LHA2, E4, N16	28	0.4	1	20	102		Str wdth: 10-15; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 65% coarse grained quartz biotite diorite, varying textures, rare quartz veins (1/2") mafic xenoliths(trace) 5% medium-coarse grained quartz monzonite, 30% weakl hornfelsed siltstone and sandstone

PROJECT-COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2095-S	LHA2, E3, N15	73	0.8	1	20	114		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: yes; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 90% siltstone sandstor pyrite, black shales, all hornfelsed to some degree(some very strongly) pyrrhotized sone porphyry veins and rare chalcopyrite (see 2096) quartz veins, 10% quartz diorite, varying textures, rare granite
2096-R	LHA2, E3, N15	800	2.3	7	35	50	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Float: limonite stained, pyrrhotized weakly hornfelsed siltstone with < 1/4% chalcopyrite, was only Cu bearing float boulder seen in float of stream sediment #2095
2097-S	LHA2, E3, N14	77	0.8	1	20	124		Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: similar to 2095 but less hornfelsing and sulfides sediments
2098-S	LHA2, E3, N14	41	0.7	1	15	88		Str wdth: 10-15; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock: Bedrock description: outcrop is weakly hornfelsed siltstone, str 150/stee shearing and folding evident, some quartz veins, float 85% diorite, quartz diorite and troodjemite, 15% hornfelsed and non hornfelsed siltstonessandstone s

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2099-D	LHB2, E12, N2	10	0.5	1	44	102		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: 40%
2100-R	LHB2, E12, N2	10	0.3	4	18	34		Type: chip; Float: yes; Float description: 95% quartz monzonite, eg equigranular with limonite staining weak pyrite 5% fine grained basalt(as dykes?) morraine between 2099 and 2100, has daicte porphyry with pyrite and epidote on fractures and contains magnetite an quartz monzonite porphyry (weakly pyritic actually could be quartz latite porphyry as fine grained groundmass) sample is of gravel sized rock represent
2101-S	LHB2, E12, N2	19	0.6	4	16	84		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-; Org: low; Str situs: glacial; Float: 100% dacite porphyry dark gray black groundmass, limonite stain on some boulders due to pyrite on fractures, some epidote also
2102-R	LHB2, E12, N2	23	0.8	6	20	12		Type: grab; Float: yes; Hi graded: yes; Float description: pyritic(1-2%) silicified? rhyolitic breccia, some argillite fragments (up to 1") approximately 1% of float which is largely volcanic sediments breccia basalt, and dacite volcanics and rhyolite volcanics, tuffs

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2103-S	LHB2, E12, N2	4	0.4	-1	18	54		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Float: 5-10% coarse grained granite-pink, 5-10% coarse grained quartz monzonite, wea epidote altered plagioclase, 30% volcanic sediments, breccia and volcanics as noted 2102, 55% dacite volcanics as for 2101
2104-R	LCD2, E11, N15	18	0.2	16	5	6	Au -.1 Cd 0.4	Type: grab; Float: yes; Float description: 70% quartz diorite porphyritic diorite and gabbro, 1% vein quartz some blebs of magnetite(sample) some quartz diorite containing pyrite and molybdenum, most rock iron stained
2105-R	LCD2, E11, N15	340	0.5	2200	5	12	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: 70% quartz diorite hornble: biotite and diorite porphyry quartz monzonite with disseminated pyrite and pyrite-moly-bdenite veinlets, vein quartz < 1% some sericite, most rock iron stained hornblende and biotite magnetite, contain magnetite
2106-S	LCD2, E11, N15	125	0.6	200	10	32		Av str dpth: dry; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 70% hornblende biotite quartz diorite and diorite porphyry, quartz monzonite some wit: disseminated pyrite and moly-pyrite and veinlets and quartz, hornblende and biotite contain magnetite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2107-R	LCD1, E5, N12	4	0.2	1	5	40	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: biotite granite with xenolith of porphyritic diorite and gabbro, 50% of feldspar in granite pinkish, biotite magnetic, 5% of rocks iron stained(samplE) glacial morraine
2108-S	LCD1, E5, N13	14	0.8	1	10	46		Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float 50% hornblende diorite, 50% granite and aplite some with xenoliths of diorite, patches of very coarse grained hornblende and feldspar 2% of rock iron stained, < 1% greenish porphyritic andesite
2109-S	LCD1, E4, N14	3	0.5	1	5	24		Str wdth: 10-15; Av stt dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 70% biotite granite with a few xenoliths of diorite and gabbro 30% diorite and small amount gabbro, some iron stain
2110-S	LCD1, E4, N14	1	0.5	1	5	22		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 90% biotite granite with scattered xenoliths of diorite and gabbro, 10% hornblende diorite, glacial morraine and talus mixed, bedrock, biotite granite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2111-S	LCD2, E10, N14	41	1.2	4	30	100		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 80% diorite, 20% iron stained meta volcanics or meta diorite
2112-S	LCD2, E10, N14	6	0.2	-1	5	40	Cd 0.1	Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 98% diorite, 2% porphyritic andesite
2113-S	LCD2, E10, N14	23	0.7	3	15	46		Depth: 3 inches; Hor: b; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial-alluvial-talus fines; Org: low; Froz: no; Float: large talus blocks of diorite
2114-S	LCD2, E11, N14	9	0.4	1	15	38		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: talus of quartz diorite
2115-S	LCD2, E11, N14	10	0.1	2	10	34	Cd 0.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite quartz diorite, also small outcrops of diorite along main stream
2116-D	LCD2, E12, N14	15	0.5	3	15	64		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: glacial-colluvial-alluvial-talus fines; Org: low; Froz: no; Float: talus off of mountain is diorite, there is morraine material of andesite, diorite basalt

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2117-S	LHA2, E11, N14	26	0.6	8	76	204		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus of granite quartz monzonit diabase and local area 100' x 200' of intense quartz-pyrite
2118-S	LHA2, E11, N14	15	0.3	3	20	74		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: granite talus, some diabase, and intrusive breccia, also siltstone,
2119-R	LHA~~1~~ 2	7	0.1	3	6	14	Au -.1	fairly large area, more than 500' x 500' of pyritization
2120-R	LHA~~2~~ 1, E4, N15	57	10.7	22	96	50	Au -.1	Type: grab; Bedrock: yes; Bedrock description: sample of 100' x 200' area of pyritized quartz monzonite porphyry, quartz phenocrysts rounded and fine graundmass local sericite and argillic alteration, quartz porphyry appears to be 500'(?) wide dike into quartz diorite
2121-S	LCD1, E3, N13	10	0.1	-1	6	46		Str wdth: <1; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: local sediment top of snow in gully above glacier, bedrock of granodiorite and quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2122-S	LCD1, E3, N13	9	-.1	-1	6	32		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size:silt; Org: low; Str situs;alluvial; Float: sand from talus gully of coarse graine biotite granite, finer grained and iron stained granodiorite dikes cut the granite iron stain from biotites
2123-S	LCD1, E3, N14	3	-.1	-1	4	20	Cd 0.4	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: stream goes under talus, fines grom dry part talus slope on top glacial morraine, rock type mixed granite and granodiorite
2124-S	LCD1, E3, N14	3	-.1	-1	4	16		Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: tributary glacier rock is mixed granite and granodiorite but granite is more volume 70%
2125-S	LCD1, E3, N15	15	0.6	1	34	114		Float: granite outcrop and talus, granite cut by diorite dike 20' wide
2126-S	LCD1, E3, N15	5	0.1	-1	6	30		Str wdth: 6-01; Av str dpth: 1/2-1; In flood: no; Float: coarse grained biotite diorite forever dear candy, wish you were here - instead of me, Ha! Ha!, BoB

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2127-S	LCD1, E4, N16	8	0.1	1	12	46		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial Float: quartz monzonite and quartz diorite outcrop and talus
2128-S	LCD1, E4, N16	4	0.1	-1	6	32		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Orf: low; Str situs: alluvial; Float: fresh quartz diorite detritus and slightly argillized and pyritized quartz monzonite
2129-R	LCD1, E4, N17	6	-.1	2	6	28	Au -.1	Type: grab; Float: talus of slightly sheared and iron stained granite, iron stain from biotite(?)
2130-S	LHB1, E7, N16	22	0.5	1	40	88		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: outcrop and talus of fine grained porphyritic dacites and lot of dacite breccias with anuglar chert and shale fragments
2131-S	LHB1, E7, N16	21	0.7	1	20	48		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: colluvial; Float: dacites and dacite breccia with diorite siltstone and chert rock fragments green color to rock, very local float of rhyolite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2132-S	LHB1, E8, N17	16	0.6	3	20	68		Str wdth:<1; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Floa dacite breccia outcrop and dacite talus
2133-S	LHB1, E8, N17	14	0.4	2	20	80		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs; alluvial; Float: gully from talus of dacite and dacite breccia
2134-R	LHB1, E9, N15	17	0.1	3	10	40	Au -.1	Type: grab; Bedrock: yes; Float: iron and Mn stained granodiorite with disseminat pyrite, strong fracture surfaces stain but no alteration to speak of
2135-R	LHB1, E9, N15	11	0.6	6	115	6	Au -.1	Type: grab; Bedrock: yes; Float: strongly argillized with disseminated pyrite, quartz monzonite porphyry, maybe dikes
2136-R	LHB1, E9, N16	8	0.8	4	15	38	Au -.1	Type: grab; Float: yes; Float description: float of strongly pyritized hornfelsic diorite with chlorite epidote pyrite with pyrite as veins and disseminations short morraine
2137-S	LHB1, E9, N16	9	0.5	2	40	74		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float stream draining from small glacier rock are mostly jeta diorite locally some are external pyritized, also dacite volcanis

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2138-R	LHB1, E9, N16	9	0.5	5	20	90	Au -.1	Type: grab; Float: yes; Float description: super silicified and pyrrhotized, rhyolite porphyry(?) real hammer ringer, pyrrhotie as disseminated, deep browns-red oxidation
2139-R	LHB2, E3, N16	22	0.8	3	15	92	Au -.1	Type: chip; Bedrock: yes; Float: metamorphosed porphyritic diorite chlorite alteration most places, locally quartz sericite, quite a bit of pyrite veining and strong iron stain, sample near 10 lineal feet
2140-R	LHB2, E3, N16	19	0.8	3	15	74	Au -.1	Type: grab; Bedrock: yes; Float: strongly pyritized, meta diorite porphyry with quartz sericite alteration, sample over 10 sq. ft.
2141-S	LCD2, E2, N3	21	0.4	1	25	90		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: small gully draining hornblende diorite, outcrop and talus
21420R	LCD2, E2, N3	9	0.4	4	35	66	Au -.1 W -.005% Sn -.01%	Type: grab; Float: yes; Hi graded: yes; Float: sample of black mineral with brown streak radiation habit bladed xls in granoiiorite as near pegmatitic veins, tungsten minerals(?) sample from side morraine
2143-S	LCD2, E2, N3	42	0.6	2	30	82		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: talus fines of interbedded meta morphosed siltstone and dacite, these are suspected mesozoic volcanics green color from chlorite and epidote

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2144-S	LHA2, E2, N1	85	0.8	2	15	138		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: strongly iron stained pyrrhotitic siltstones and schists, biotite schist and siltstone
2145-S	LHA2, E2, N1	22	0.5	1	10	58		Str wdth: 6010; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: biotite-quartz diorite with gneissic texture, near contact with biotite schist and siltstone
2146-S	LHA2, E2, N1	19	0.5	1	10	58		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: gneissic biotite, diorite with trace of pyrrhotite outcrop and talus
2147-S	LHA2, E3, N1	33	0.7	1	15	70		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: biotite quartz diorite with gneissic texture cut by apilote veinlets and by spare quartz-feldspare dykes, generally melonocratic
2148-S	L~~C~~H A2, E1, N17	52	0.7	1	10	102		Str wdth: 10-15; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 90% detritus iron stained schists and siltstones with traces of pyrrhotite, 10% biotite quartz gneiss, outcrop and talus of both

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2149-S	LCD2, E2, N18	38	0.7	1	10	54		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial, bedrock; Float: metamorphosed biotite diorite, lot more epidote and chlorite here, than upstream, gneissic texture not as well developed here, lot of more mafic inclusions
2150 - Missing								
2151-R	LHB2, E11, N12	18	65.0	1	7400	7200	Au -.1 As 10	Type: grab; Float: yes; Hi graded: yes; Float description: one 6' isolated show? boulder, lateral morraine, $\frac{1}{4}$% galena, $\frac{1}{4}$% pyrite, trace sphalerite(?), all three stringers disseminated and fine grained in fine grained pink and green groundmass, garnet and diopside?, block MnO?, on weathered surface suggests possibly rhodonite for pink mineral, rest of float 50% quartz monzonite and granite, 50% dacite volcanics
2152-D	LHB2, E11, N2	19	0.6	-1	10	60		Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial-talus fines; Org: low; Froz: no; Float: 95% coarse grained equigranular quartz monzonite, < 5% chloritized andesite dyke, epidote on fractures, sample of talus fines, no glacial influence

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2153-D	LHB2, E10, N2	6	0.5	1	14	36		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: white-brown; Soil situs: colluvial-atalus fines; Org: low; Froz: no; Float: barren equigranular coarse grained quartzmonzonite, K-spar(not so pink)
2154-S	LHB2, E10, N2	6	0.6	1	14	54		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz monzonite, sulfides equigranular, coarse grained with biotite minor(2% of float) chloritized andesite(dykes
2155-S	LHB2, E10, N1	7	0.5	1	14	60		Str wdth: 6-10; Av str dpth: dry; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz biotite monzonite
2156-S	LHB2, E10, N1	6	0.4	1	12	54		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: coarse grained equigranular quartz monzonite, unaltered, unmineralized trace andesite dyke(?)rock chlorite altered
2157-S	LHA2, E10, N17	-1	0.3	-1	2	340		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: allu vial; Float: coarse grained equigranular quartz monzonite, rare diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2158-S	LHA2, E10, N17	3	0.4	1	10	40		Str wdth: 15-25; Av str dpth: dry; In flood: yes; Size: sand; Org: low; Str situs: alluvial; Float: coarse grained equigranular quartz monzonite, a little epidote alteration on some fractures, < 5% andesite chloritized
2159-D	LCD2, E4, N16	22	0.7	4	10	68		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: coarse-medium grained equigranular, quartz diorite, varying textures and porpositions some alaskite, granite dykes/veins, sample of alluvium representing valley head and sides
2160-S	LCD2, E5, N16	7	0.5	1	5	16		Str wdth: >25; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 75% quartz, monzonite to granodiorite composition, equigranular, eg, 25% diorite porphyry
2161-S	LCD2, E5, N15	20	0.9	1	10	48		Str wdth: Av str dpth: dry; In flood: yes; Size: silt; Org: low; Str situs: alluvial, moss roots; Float: predominantly quartz diorite and trondjemite, lesser granodiorite all coarse grained equigranular, except for some feldspar porphyritic diorite, some quartz veins

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2162-S	LCD2, E5, N15	17	0.6	1	10	48		Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial-bedrock; Float: coarse grained equigranular quartz biotite-diorite, possibly some is granodiorite
2163-S	LCD2, E6, N14	3	0.3	1	5	22		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 100% coarse grained equigranular quartz-biotite-hornblende-diorite, no alteration or mineralization
2164-S	LCD2, E6, N14	4	0.4	-1	5	36	W 3	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial, alluvial; Float: (quartz)hornblende-biotite diorite, predomiinantly coarse grained, lesser medium grained, equigranular and porphyritic, some very mafic veinelts were amphibolite, < 1/2% marble, some has trace porphyry and trace pholopites(?)
2165-R	LCD2, E6, N14	150	0.7	1	5	18	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Bedrock: amphibolite, with approximately 2% disseminated pyrrhotite with a trace of chalcopyrite, C.I. about 50, Hornblende crystals up to 1 cm, some fine grained pale pink garnet(?) no foliation, but some clotting of mafics, confuse about 1/2% or less of float in stream 2164

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2166-S	LCD2, E6, N14	13	0.7	1	10	36	W 8	Str wdth: 10-15; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: glacial-alluvial; Float: 60% quartz-hornblende-biotite-diorite, various textures, some granite veins, 30% gray marble and associated skam rocks(garnet(some massive chunks) diopsde, wallastorite, epicote?) 10% pyrrhotized hornfelsed siltstones and sandstones, at least 50% float is morraine between 2164-2166 is mafic but indicates elsewhere only minor so probably a very localized source, eg limestone next in intrusive
2167-S	LCD2, E6, N14	25	0.7	1	5	30	W 3	Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: colluvial-alluvial; Float: m medium-coarsegrained mafics hornblende diorite and amphibolite-(equigranular) scattered quartz was and epidote veins less than 5% marble and sham rocks, very minor alaskite
2168-R	LCD2, E6, N14	1900	2.1	1	10	128	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Float: massive, pyrrhotite boulder(1' x 1' x 6") with a trace of chalcopyrite, only a little fine grained mafics wall rock attached, probably hornfelsed roft(?)sediment or volcanic(?), rest of float as for 2167, sampl 2168 approximate 150 yards downstream from 2167

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2169-S	LCD2, E5, N14	53	0.9	1	10	72	W 5	Av str dpth: dry; In flood: yes; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: quartz diorite(coarse grainedequi-granular) and diorite(medium grained equigranular mafic), some limonite staining, some quartz veins and epidote veins
2170-D	LCD2, E5, N14	96	0.9	2	10	88	As 40 W 4	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: 80% weakly limonite stained and hornfelsed sandstones and siltstones, 10% coarse grained quartz diorite, 10% medium grained mafic diorite
2171-S	LHA2, E13, N15	36	0.6	3	20	72	Co 13	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: quartz monzonite valley in wall, abov pink coloration on some joints Co bloom?
2172-S	LHA2, E12, N15	6	0.4	1	6	16		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: none observed; Float: quartz monzonite
2173-S	LCD2, E10, N14	20	1.2	4	20	76		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz diorite; Float: above with few boulders of hornfels

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2174-S	LCD2, E10, N13	6	0.4	-2	10	44		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: coarse medium grained biotite, quartz monzonite, slight amount of porpylitic alteration seen on some float
2175-S	LCD2, E10, N13	2	0.2	-2	5	28		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: dominantly granite, quartz monzonite, quartz diorite, granite with a few volcanic and hornfels? fragments
2176-S	LCD2, E10, N13	2	0.2	-2	10	24		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz monzonite 25%, biotite, quartz diorite 75%
2177-R	LCD2, E10, N13	68	1.0	33	10	200	Au -.1	Type: grab; Float: yes; Bedrock: none observed; Float description: pyrrhotite and pyrite bearing silicified(quartz monzonite?0 iron stainingin cliff above sample site (responsable for)
2178-S	LCD2, E9, N12	2	0.2	-2	10	20		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: quartz diorite 80% quartz monzonite10%, other granite rocks 5%, miscellaneous volcanics and hornfels 5%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2179-S	LCD2, E9, N12	15	0.6	1	25	148		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz diorite
2180-S	LCD2, E9, N12	10	0.8	1	10	62		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: quartz diorite
2181-S	LCD2, E8, N12	9	1.7	-1	14	52		Str wdth: 3-6; Avs tr dpth: 0-1/2; In flooD: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: quartz diorite
2182-S	LCD2, E8, N12	8	0.5	1	10	72	W 2	Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 90% quartz diorite, about 1% pyrrhotit bearing hornfels, intrusive has incorporated many blocks of siltstones Bedrock: none observed
2183-S	LCD2, E8, N11	3	-.1	1	5	24		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: quartz diorite 80%, andesite porphyry 5%, quartz monzonit and other granitics 5%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2184-S	LCD2, E12, N13	6	0.5	2	25	56		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: float and outcrop of quartz diorite
2185=D	LCD2, E12, N13	6	0.3	1	20	58		Depth: 3 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: alluvial-talus fines; Org: low; Froz: no; Float: quartz diorite, moraine fine grained diorite, diorite granodiorite, andesite, on fracture surfaces, of 2 pieces of diorite is some coarse moly on moraine
2186-R	LCD2, E12, N13	280	0.5	4	15	44		Type: grab; Float: yes; Hi graded: yes; Float of several iron stained rocks, only two of them have mineralization, they appear to be silicified, (quartz diorite?) with pyrite and some chalcopyrite, found at sediment sample location
2187-R	LCD2, E12, N13	36	2.2	34,000	60	26	Au -.1 As 10	Type: grab; Float: yes; Hi graded: yes; Float: sample of iron stained silicified rock with MoS2 and some CuFeS2
2188-D	LCD1, E2, N11	4	0.2	3	15	46		Depth: 3 inches; Hor: B; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial-talus fines; Org: low; Froz: no; Float: talus of quartz diorite and monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2189-S	LCD1, E1, N12	8	0.2	2	10	40		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: quartz diorite and monzonite
2190-S	LCD1, E1, N12	4	0.2	2	5	24		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no Size: silt-clay; Org: low; Str situs: alluvial; Float: quartz diorite and monzonite
2191-D	LCD1, E1, N13	2	0.1	1	5	16		Depth: 3 inches; Hor: B; Size: silt; Moist: ry; Color: white; Soil situs: glacial; Org: low; Froz: no; Float: terminal morraine of quartz diorite or glacier there is quartz diorite with xenoliths of fine grained diorite
2192-D	LCD1, E1, N13	3	0.2	2	10	30		Depth: 3 inches; Hor: B; Size: silt; Moist: dry; Color: white; Soil situs: glacial; Org: low; Froz : no; Float: talus or morraine is quartz diorite, there is no sediment is stream for it comes down a waterfall and drops under glacier
2193-D	LCD1, E1, N13	3	0.3	1	15	46		?Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: alluvial-talus fines; Org: low; Froz: no; Float: talus of quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2194-S	LCD2, E13, N14	4	-.1	1	36	74		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: white; Soil situs: talus fines; Org: low; Froz: no; Float: talus, quartz diorite, some with iron staining, no water in gully
2195-S	LCD2, E10, N14	16	0.8	2	20	44	Au -.1	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz diorite; Float: quartz diorite 100%, stream is coming down at southern border of morraine
2196-R	LCD2, E10, N13	3	-.1	1	5	6	Au -.1	Type: chip; Rubcrop: yes; Bedrock: quartz diorite; Float: quartz monzonite, very fine grained, large blocks, are found over quartz diorite calcite-feldspars are slightly altered due to weathering, no evidence of ore dissemination and hydrothermal alteratic
2197-R	LCD2, E10, N13	3	-.1	1	5	16	Au -.1	Type: chip; Rubcrop: yes; Bedrock: quartz diorite; Float: quartz diorite, medium grained, rich quartz, mafics slightly altered no evidence of ore dissemination, quite slight chloritic alteration
2198-S	LCD2, E9, N13	10	3.0	2	40	36	Au -.1	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvil; Bedrock: quartz diorite; Float: dry stream, quartz diorite 80%, quartz monzonite 15% basic rhyodacite porphyry 5%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2199-R	LCD2, E9, N12	160	0.6	5	10	36	Au -.1	Type: chip; Float: yes; Bedrock: quartz diorite; Float: quartz diorite and strongly silicified metasediments have an iron sa ined film, in the quartz diorite, there are some spare quartz veinlets, limonite and some hematite, silicified metasediment shows a minor pyrite and chalcopyrite dissemination, sampleis iron stained
2200-S	LCD2, E8, N12	39	1.0	6	90	184	Au -.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quart diorite; Float: quartz diorite 70% diorite 10%, iron stained material 20%
2201-R	LCD2, E8, N12	57	0.6	6	15	44	Au -.1	Type: chip; Rubcrop: yes; Bedrock: quartz diorite, metasediments, and arkosic sandstone very stained rubcrop, material proceedes from upper part of the hill, there are two iron stained beds, metasediments and arkosic sandstone, very silicified minor amount of pyrite and porphyry disseminated, hematite and limon te cover fragments, quartz diorite at contact is iron stained
2202-R	LCD2, E8, N12	74	0.9	5	10	40	Au -.1	Type: chip; Rubcrop: yes; Bedrock: quartz diorite; Float: meta quartzite, strongly iron stained, strongly silicified, limonite and some hematite cover the sample, pyrite dissemination, the sample comes from the upper part of the hill, a large iron stain is noticed, quartz diorite at contact is also iron stained

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2203-R	LCD2, E8, N12	99	0.2	2	10	12	Au -.1	Type: chip; Bedrock: yes; Bedrock description: metaquartzite; Float: metaquartzite, showing a slight silicification, some oxided and altered due to weathering, a minor pyrite dissemination, iron stained sample
2204-R	LCD2, E7, N13	30	0.2	6	10	38	Au -.1	Type: chip; Rubcrop: yes; Bedrock: quartz diorite; Float: quartz monzonite, med um grained, showing a propolitic alteration, also some chlorite is altered, pyrite is disseminated, iron stained sample, comes from upper part of the hill, a large area is iron stained, some parts have a limonitic cover
2205-S	LHA2, E12, N3	7	0.3	1	10	24	Au -.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: diorite; Float: in the stream, diorite with some alaskite dykes, some boulders show basic xenolites, no evidence of hydrotherma alteration and mineralization
2206-S	LCD2, E13, N15	5	-.1	1	26	54		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: all quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2207-D	LCD2, E13, N15	6	-.1	2	12	34		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: white; Soil situs: alluvial-talus fines; Org: low; Froz: no; Float: quartz diorite
2208-S	LCD2, E13, N15	5	-.1	3	6	36		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt-clay; Org: medium; Str situs: alluvial; Float: stream is very small, some quartz diorite
2209-R	LCD1, E2, N16	82	0.3	2	10	100	W -.005%	Type: grab; Float: yes; Hi graded: yes; Float description: iron stained quartz diorite with pyrite, quartz magnetite veins and veinlets
2210-R	LHB1, E8, N16	1970	12.1	4	190	100	Au -.1	Type: grab; Float: yes; Sample: silicified andesite(?) with 1/2-2" quartz veins, chalcopyrite and malachite along with galena and sphalerite(?) are dissminated through rock and along vein at 1.5% -2%, float, fine grained granodiorite
2211-R	LHB1, E8, N16	34	750	78	19,500	22,000	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: same as 2210, float mainly fine grained granodiorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2212-D	LHB1, E8, N16	47	2.0	9	180	300		Depth: 3 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: outcrop of silicified volcanics, rhyodacites with some mineralizations, galena(?)
2213-D	LHB1, E8, N16	68	1.2	6	90	290		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: volcanics, rhyolite, dacites, andesit, silcified andesite silcified and fine grained granodiorite
2214-S	LCD1, E4, N15	3	0.4	1	5	24		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 80% biotie, granite with xeniliths of diorite and gabbro, 20% hornblende diorite and gabbor, some porphyr iron stained on some rock glacial morraine
2215-S	LCD1, E4, N15	5	0.5	1	5	16		Str wdth: 15-25; Av s tr dpth: 1/2-1; In flooc no; Size: sand-silt; Org: low; Str situs: glacial; Float: 80% biotite granite with xenoliths of diorite and gabbro, some porphyritic, 20% hornblende diorite and som gabbro, glacial morraine, stream flows under glacier ice, 20' downstream

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2216-R	LHB1, E5, N18	6	-.1	3	4	12	Au -.1 Sn -.02%	Type: grab; Float: yes; Bedrock: intermixed hornblende biotite quartz diorite and diorite, float, 20% same as above, plus 80% iron stained granite, vuggy with mafics altered to limonite(sample) some Mn stain
2217-R	LHB1, E5, N17	1950	3.1	4	12	36	Au -.1	Type: grab; Float: yes; Bedrock: fine grained biotite quartz diorite and diorite intermixed; float: 70% quartz diorite and diorite, some with fine grained disseminated chalcopyrite and malachite stai(sample) 30% granite, iron stained and vuggy, 1% extremely iron stained diorite with disseminated fine grained pyrrhotite
2218-S	LHB1, E5, N17	18	-.1	1	8	34	Sn -10	Str wdth: 3-6; Av str dpth: 0-1 /2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Bedrock: fine grained biotite quartz diorite and diorite intermixed; Float: 70% quartz diorite and diorite, some with fine graine d disseminated chalcopyrite and malachite stain, 30% granite, iron stained, vuggy
2219-S	LHB1, E5, N17	18	0.3	1	16	68		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Bedrock: fine grained hornblende biotie quartz diorite and diorite interixed, Float: 80% quartz diorite and diorite, 5% dacitic volcanic breccia, 1% gabbro, 10% granite, some very fine grained

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2220-R	LHB1, E4, N17	29	-.1	1	-2	2	Au -.1	Type: grab; Bedrock: yes; Bedrock description: iron stained granodiorite, with occasional fine grained disseminated pyrite, sample white quartz mass in granodiorite no visible mineralization, 1' x 6', Float: granodiorite80%, 20% dacite and andesite porphyry and breccia
2221-R	LHB1, E4, N17	142	0.7	11	33	94	Au -.1	Type: grab; Bedrock: yes; Bedrock description: iron stained granoidorite with occasional fine grained disseminated pyrite (sample) float: 80% granoiiorite 20% dacite and andesite porphyry and breccia
2222-S	LHB1, E4, N16	510	1.2	18	70	370		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-gravel-silt; Org: low; Str situs: bedrock; Bedrock description: finegrained granodiorite; Float: same, mostly iron stained also 10% quartz diorite and diorite
2223-R	LHB1, E4, N16	1900	6.4	19	40	70	Au 0.3	Type: grab; Float: yes; Bedro kc: fine graine granodiorite; Float: same as above plus 30% quartz diorite and diorite, most rocks iron stained, sample iron and Mn stained rock with green mineral on fracture, no sulfides seen
2224-S	LHB1, E4, N16	114	0.7	8	25	270		Av str dpth: dry; Size: sand-sitl; Org: low; Str situs: alluvial; Float: 50% fine grained granite and granodiorite, 50% dacite and andesite porphyry and breccia, some welded tuff breccia

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2225-S	LHB1, E4, N15	41	0.6	3	35	130		Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; Float:in rock glacierl, 70% dacite and andesite porphyry and breccia, some welded tuff breccia, 30% granite Float of rock glacier, south, 90% granite
2226-S	LHA1, E1, N8	6	0.5	1	10	28	W 7	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 30% coarse grained quartz monzonite, 5% coarse-medium grained quartz diorite, 5% chloritized andesite, 10% gametiferous skam, 50% hornfelsed(to varying degrees) sediment
2227-S	LHA1, E1, N8	56	0.9	1	15	110	W 2	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 5% coarse grained quartz monzonite, some epidote and astinolite on fractures, less than 5% coarse grained granite, 10% epidotized diorite porphyry but is more probably analoite, epidote, hornblende hornfels, rest of float(few sandstones siltstones and quartzite, hornfelsed to varying degrees, eg hornblende hornfels some have a little pyrite,porphyry a small actinolite pebble

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2228-D	LHA1, E1, N8	140	1.3	1	35	124	W 8	Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial-alluvial; Org: low; Froz: no; Float: sediments(predominantly siltstone) hornfelsed to varying degrees up to hornblende hornfels
2229-S	LHA1, E1, N7	150	0.9	7	15	140	W 3	Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-bedrock; Bedrock description: outcrop is weakly foliated, rextallized quartzite, foln = 020/65°E, Float: 95% siltstones and creanulated phyllites, both weaklyhornfelsed, less than 5% hornblende and ab, epidote and hornblende hornfels less than 5% medium grained equigranular chlorite(or is this a hornfels too?)
2230-D	LHA1, E1, N7	270	1.7	75	35	520	W 100	Depth: 3 inches; Size: gravel-sand-silt; Moist: medium; Color: brown; Soil situs: colluvial-alluvial; Org: low; Froz: no; Float: hornfelsed sediments up to about epidote hor blende, hornfels(less than 5%) outcrop the same structurally complex(banded) foliated in parts

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2231-S	LHA1, E2, N7	71	0.7	3	20	164	W 2	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Float: hornfelsed sediments, predominantly siltstone but also 25% recrystalized limestone less than 5% ab-epidote-hornblende porphyry
2232-D	LHA1, E2, N6	110	1.2	3	25	198	W 3	Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Bedrock: outcrop is of phyllitic sed iments, fln 020/90° some limonite along folise, probably due to porphyry(seen in area so massive porphyry and seems porphyry), weak hornfelsing
2233-S E	LHA1, E2, N6	29	0.4	3	15	120	W -2	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 20% sediments, predominantly siltstone, phyllite but also a little lst and quartzite, 10% coarse grained quartz monzonite, 70% hornblende(biotite)diorite and gabbro, hornfels +/or intrusive?!
2234-S	LHA1, E3, N6	30	0.4	3	15	112	W 3	Str wdth: 10-15; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 10% hornfelsed seidments(predominantly siltstone, chlorite on some fractures quartz veins) 10% coarse grained equigranular, quartz monzonite granodiorite minor granit, the rest is hornblende(+ biotit+quartz) diorite and gabbro, also hornblende hornfels, sediments probably seem as rafts=intrusives

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2235-D	LHA1, E3, N6	120	1.0	2	15	148	W -2	Depth: 6 inches; Hor: B; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: medium; Froz: no;Float: the sparse float is of hornfelsed siltstone
2236-S	LHA1, E4, N5	8	0.3	1	15	85	W 3	Str wdth: 10-15; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 15% hornblende(biotite)grabbro, 10% hornblende diorite, 5% hornfelsed sediments, no lst, 70% coarse grained quartz monzonite, equigranular, sparse biotite schist boulders, outcrop in main river vally is biotite schist
2237-D	LHA1, E4, N5	32	0.5	2	10	60	As -10 W -2	Depth: 3 inches; Size: silt; Moist: dry; Color: brown; Soil situs:ta lus fines; Org: low; Froz: no; Bedrock: outcrop is weathered, coarse grained equigranular, biotite(2-5mm) granodiorite(?)
2238-S	LHB1, E5, N16	62	0.6	7	88	110	As 10	Str wdth: 1-3; Av str dpth: o-1/2; In flood: no; Size: silt; Org: low; Str situs: bed-rock; Bedrock-Float: equigranular coarse grained granodiorite MnO on fractures, weak limonite associated with thin pyrite fracture coatings, sparse, quartz diorite and diorite - area also, intrusive relationsh. unknown

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2239-R	LHB1, E5, N16	11,000	48.0	36	150	360	Au -.1 As 60	Type: grab; Bedrock: yes; Hi graded: yes; Float: quartz diorite, coarse grained equigranular silicified(?) with pyrite and chalcopyrite along fractures, and in quartz veins and as weak dissemination total sulfides about 1/2%, main fra cture set about 130o/steep moderate fractureing a little chlorite alteration, associated with mineralization, sample-hi-graded to check portic for Au mineralization
2240-S	LHB1, E5, N16	45	0.6	8	106	200	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: outcrop and 90% float is quartz diorite(porphyry), feldspar and biotite phenocrysts(2-5mm) MnO, FeO and chlorite not as prominant as fractures as at 2238 and 2239, 10% float, coarse grained equigranular quartz monzonite
2241-R	LHB1, E5, N16	110	4.0	70	1300	3400	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Bedrock: chalcopyrite, sphalerite-galena, bearing hornfelsed(?)intrusive(?) dark brown weathered surface, pale gray-green fresh coarse grained equigranular quartz-feldsapr bearing intrusive(?) toughens suggests hornfelsing chalcopyrite-sl-galena on fractures and dissem(less than 1% total s at best) molybdenite(coarse flakes) and quartz veins in adjacent boulder(sampled also) 3 in boulders sampled but based towards hi-graded mineralization about less than 1/4% total float, rest of float predominantly diorite, porphyry and equii-granular

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2242-S	LHB1, E5, N16	23	0.7	9	72	186	As 10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: gravel-sand-silt; Org: low; Str si situs: glacial; Float: 85% (quartz) biotite diorite, 15% equigranular, quartz monzonite and granodiorite, some limonite and MnO stained boulders, leached mafics and weakly altered feldspar masks original composition, a little barren bull quartz
2243-D	LHB1, E5, N15	34	0.5	10	56	146	As -10	Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Bedrock: outcrop is equi granular(to quartz porphyrinite)granodiorite, locally maybe near to granite) spares quartz K-spar pegmatite, RARE coarse mosetles of molybdenite in quartz veins(see H.S.2223 from 100 yards west of 2243, sample site, a little diorite present in float also
2244-R	LHB1, E5, N15	10	0.1	3	20	58	As -10	Type: chip; Float: yes; Float description: predominantly coarse-medium grained equigranular quartz diorite, a little MoS2, noted in one fracture surface, 10% minor granodiorite porphyry, quartz monzonite, representing sampled of fine cherts, stream bed, no siltstone available, also chlorite on fractures, quartz diorite, only very sparse limonite stained fractures

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2245-D	LHB1. E5, N15	18	0.2	17	114	152	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus-fines; Org: low; Froz: no; Float: 90% coarse grained quartz monzonite, 10% medium-coarse grained quartz diorite, trondlyemite, from a little chlorite on fractures, no alteration or Mineralization
2246-S	LHB1, E4, N14	23	0.2	4	14	64	As -10	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial-bedrock; Float: coarse grained equigranular quartz monzonite, and very minor quartz diorite and little chlorite on fractures, a couple of specks of malachite seen in last creek, probably associated with small shear
2247=R	LHB1, E5, N15	250	0.7	4	6	42	Au -.1 As -10	Type: grab; Bedrock:yes; Hi graded: yes; Bedrock description: hi gtaded sample of quartz chlorite alteration along fractures staining, 115°/80°S, in pale pink aplite (actually may be silicified quartz monzonite? a 20' wide zone(in creek bed) has actually high density quartz-chlorite veining equigranular 5% of outcrop pyrite along a few fractures and quartz chlorite alteration 1" thick in the side

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2248-S	LHB1, E5, N14	40	0.2	2	10	54	As -10	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Crg: low; Str situs: bedrock; Bedrock ciescription: outcrop is quartz diorit coarse grained equigranular, minor chlorite on fractures
2249-S	LHA4, E13, N15	14	0.4	1	18	126	As 20 W 3 Sn -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock: Bedrock description: outcrop is aplite and altered highly fractured quartzite intrusive, feldspar to aplite, and biotite → muscovite, weak gneisenication(?) unaltered float boulders are of very coarse grained granite with biotite, minor chloritized basalt float, little or no evidence of sulfiding or intrusives
2250-S	LHA4, E13, N15	23	0.7	1	22	174	As 60 W 6 Sn 10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: coars grained, very coarse grained, some float boulders have feldspar phenocrysts up to 4 cm, quartz rich biotite granite, weak quartz (Muscovite) alteration, float the same 1% basalt(chloritized) float, altered intrusive, as for 2249 in float
2251-S	LCD2, E7, N12	4	0.1	-1	5	10		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2252-S	LCD1, E1, N11	10	0.2	81	5	32		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: none observed; Float: quartz monzonite
2253-S	LCD2, E1, N11	3	0.2	12	5	32		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: biotite quartz monzonite
2254-S	LCD1, E1, N12	4	0.4	1	10	38		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: biotite quartz monzonite; Float: same
2255-S	LCD1, E1, N12	4	0.4	1	10	44		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: quartz monzonite, also bedrock
2256-S	LCD1, E1, N12	3	0.3	1	5	22		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: quartz monzonite; Float: above
2257-S	LCD1, E1, N13	41	0.9	1	30	104		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: quartz monzonite; Float: 80% quartz monzonite, 10% block hornfels

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2258-S	LCD2, E13, N9	2	0.3	1	5	22		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: biotite quartz monzonite; Float: above 90% and hornfels(biotite rich) and fine grain diorite?
2259-S	LCD1, E1, N15	9	0.7	1	20	42		Str wdth: 3-6; Av str dpth: 1-2; In flood: yes; Size: sand; Org: low; Str situs: alluvial; Bedrock: leucocratic biotite quartz diorite; Float: 30% above, diorite 50% quartz monzonite 10%, garnet bearing hornfels and miscellaneous dike? rocks 10%
2260-R	LCD1, E1, N15	36	1.2	3	10	210	Au -.1 W -.02%	Type: grab; Float: yes; Sample: composite sample of skarn float, quartz garnet, biotite rock, a pyrrhotite bearing quartz garnet rock and a hornblende-feldspar varient
2261-S	LCD1, E1, N16	17	0.7	1	20	70	W 7	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: biotite quartz diorite; Float: above 20%, quartz monzonite 40%, diorite 40%
2262-S	LCD1, E1, N16	26	1.0	1	50	148	W 10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz diorite, Float: above 20%, quartz monzonite 40%, diorite 40%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2263-R	LHA2, E12, N3	30	0.4	2	10	46	Au -.1	Type: chip; Rubcrop: yes; Bedrock: diorite; Float: meta sediment, very silicified, dikes of alaskite go through the whole body, from the upper part diorite blocks coming down
2264-R	LHA2, E13, N3	5	0.3	3	5	40	Au -.1	Type: chip; Bedrock: yes; Bedrock description: diorite; Float: diorite, coarse grained, showing a slight propilitic and chloritic alteration, no ore dissemination, zenoliths of basic rocks are noticed on the pluton
2265-S	LHA2,	55	0.2	3	10	38	Au -.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: metasediemnt; Float: metasediment 70.0% very silicified and recrystalized, some fragments show quartz veins, alaskaite 20% diorite 10%
2266-S	LHA2, E13, N4	30	0.1	2	5	20	Au -.1 As -10	Str wdth: 1-3; Av str dpth: dry; In flood: no; Str situs:alluvial; Bedrock: metasediment; Float: some fragments are iron stained, very contorted, no evidence of ore dissemination, in general, rock some silicified
2267-S	LHA2, E13, N4	41	0.5	3	15	54	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: metasediment; Float: metasediment some boulders are iron stained(80%) basic rhyodacite(20%)
2268 -S	LHA1	51	0.5	2	10	50	As -10	Float: metasediment (70%),some iron stain, diorite (15%), dacite porphyry (15%), filled with limonite.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2269-S	LHA1, E1, N4	90	0.7	4	25	108	As 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: silt; Str situs: alluvial; Bedrock: metasediment; Float: metasediment, some fragments have iron stain cover 70%, alaskite 10%, dacite porphyry 20%, showing vugs filled with limonite
2270-R	LHA1, E1, N4	31	0.6	3	10	42	As -10	Type: chip; Bedrock: yes; Float: gabbro, Special spl notes: some vasic of some silici fied, it has some magnetism, showing minor pyrite dissemination, contact with metasediment is brecciated
2271-S	LHA1, E1, N4	40	0.6	2	15	38	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: metasediment; Float: very silicified, with spare quartz veins(100%)
2272-S	LHA1, E1, N3	54	0.6	3	20	94	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: metasediment; Float: some basic metasediment, some blocks are iron stained, no evidence of ore dissemination
2273-S	LHA1, E2, N4	62	0.7	2	20	104	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: metasediment, some blocks are iron stained, showing a minor pyrite dissem-ination

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2274-R	LHB1, E2, N3	3	0.1	1	2	46	As -10	Type: chip; Bedrock: yes; Bedrock description: rhyolite, silicified rhyolite, strongly silicified and recrystalized rhyolite, feldspars altered due to weathering, no ore dissemination, no hydrothermalization alteration, there are some granite dykes whic cut the rhyolite
2275-R	LHB1, E2, N3	4	0.2	2	6	65	As -10	Type: chip; Rubcrop: yes; Float: dacite porphyry, large feldspars crystals, showing incipient chloritic alteration, a minor pyrite dissemination is noticed, material comes down from upper part, also some recrystalize rhyolite is found
2276-S	LHB1, E2, N4	10	0.5	1	28	132	As -10	Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite porphyry, Float: daicte porphyry(60%), very basic, showing medium sized feldspars cyrstals, it has a minor pyrite dissemination, slight chlorite alterati found in fractures, recrystalized rhyolite(40%
2277-R	LHB1, E2, N4	17	0.8	5	35	184	Au -.1	Type: grab; Bedrock: yes; Bedrock description: granite; Float: biotite granite, medium grained biotite grains slightly altered due to weathering, no ore dissemination, no hydrothermal altered

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2278-S	LHB1, E2, N4	3	0.2	1	16	88	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 50%, silicified rhyolite 50%
2279-S	LHB1, E2, N5	1	0.1	1	6	84	Au -.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: granite; Float: granite 100%, no signs of alteration and ore dissemination, stream comes from glacier
2280-R	LHB1, E4, N6	2	-.1	20	-2	26	Au -.1	Bedrock: granite; Float: medium grained pinkish colored shlwing source granite and chlorite, no signs of dissemination of ore, no alteration,
2281-S	LCD1, E1, N16	6	0.5	1	10	36		Str wdth: 10-15; Av str dpth: 1-2; In flood: yes; Size: silt; Org: low; Str situs: alluvial; Float: biotite quartz diorite, hornblende diorite 40%, quartz diorite 30%, quartz moznonite 25%, hornfels 5%
2282-S	LCD1, E1, N15	9	0.4	2	30	56		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: leucocratic quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2291-R	LHA1, E3, N6	60	0.5	3	5	26	Au -.1	Type: chip; Bedrock: yes; Float: greenschist with minor quartz blebs and iron staining, (from pyrite)
2292-S	LHA1, E3, N5	26	0.2	3	10	42	Au -.1	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: gravel; Org: medium; Str situs: colluvial
2293-R	LHA1, E3, N5	49	0.5	4	15	84	Au -.1	Type: grab; Float: yes; Float description: creek bed float(creek was dry)
2294-S	LHA1, E4, N5	35	0.6	3	15	58	Au -.1	Str wdth: >25; In flood: no;Av str dpth:> 2; Size: gravel; Org: medium; Str situs: colluvial;
2295-R	LHA1, E4, N5	7	0.2	3	10	46	Au -.1 W -.005%	Type: chip; Bedrock: yes; Bedrock description: coarse grained hornblende(?) quartz biotite diorite
2296-R	LHB1, E1, N3	15	0.3	1	5	106	Au -.1	Type: chip; Bedrock: yes; Special spl notes: dark gray porphyritic andesite with abundant meta sedimentary xenoliths, moderate porpylitic alteration
2297-R	LHB1, E1, N3	43	0.4	3	5	76	Au -.1	Type: chip; Float: yes; Float description: only iron stained talus(dark gray porphyritic andesite) was sampled(grab sample)
2298-S	LHB1, E1, N3	104	0.9	4	55	190	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: low; Str situs: glacial; Float: drainage float, iron staind andesite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2299-R	LHB1, E1, N4	300	1.4	11	5	56	Au 0.2	Float: silicified meta sandstone with pyrite and porphyry
2300-R	LHB1, E1, N4	18	2.1	3	15	57	Au -.1	Type: grab; Float: yes; Float description: chips from rock glacier, metasediment and andesite
2301=D	LHB1, E8, N16	45	1.6	3	195	520		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: volcanics breccias rhyolite, dacite, andesite
2302-D	LHB1, E8, N16	28	1.9	1	90	390		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines: Org: low; Froz: no;Float: dacite and andesite
2304-R	LHB1, E2, N8	11	0.2	2	15	154	Au -.1	Type: grab; Rubcrop: yes; Hi graded: yes; Float: iron stained rhyolite with 40% andesite
2307-S	LHA3 E1, N18	10	0.5	1	14	100		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs : alluvial; Bedrock: northeast wall of stream is outcrop of quartz diorite, float quartz diorite
2308-S	LHA3, E1, N18	14	0.3	1	10	100		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs; alluvial; Bedrock: float: quartz diorite
2309-S E	LHA3, E1, N18	14	0.3	1	12	94		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: quartz diorite also some outcrop of quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2310-S	LHA3, E1, N18	9	0.3	-1	12	80		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: allu vial; Float; quartz diorite
2311-S	LHA3' E1, N18	13	0.3	1	10	118		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: quartz diorite
2323-S	LHB2, E10, N15	18	0.4	3	20	143		Str wdth:<1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: latite to andesite, volcanic breccias, some welded tuff some iron stain, bedrock gray-green dacite volcanic agglomerate, lithics of siltstone, shale, dacite porphyry up to 1.5 foot in diameter
2324-R	LHB2, E10, N15	65	3.0	8	20	190	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: black siltstone and shale with some quartz veining, some iron stain, sample-vein quartz iron and Mn staned
2325-S	LHB2, E10, N14	47	0.6	3	40	127		Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial; Bedrock: dacite volcanic breccia, dark greenish gray, lithics siltstone, shale, and volcanics, float buff to purplish gray to green-gray, tuffs and breccias, some welded tuff
2336-R	LCD2, E7, N11	68	2.5	8	66	152	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: biotite quartz diorite; Sample: from iron stained cliff at falls, quartz diorite, brecciated quartz diorite with up to 5% coarse pyite in veinlets and dissemination, reddish silicified hornfels?, commonly contains pyrite veinlets, wear propylitic

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2337-R	LCD2, E7, N11	15	0.5	15	16	26	Au -.1 As -10	Type: grab: bedrock: yes; Bedrock description: biotite quartz diorite; Sample: jausorite, stained quartz diorite, approximately 500' from 2336, pyrite content up to 10% in parts of exposure, no other sulfide identified
2338-S	LCD2, E7, N11	1	-.1	1	-2	8		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: iron stained biotite, quartz diorite intensity of staining and pyrite content decreasing, unaltered quartz diorite
2339-S	LCD2, E7, N12	38	0.1	3	8	54		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: biotite quartz diorite, Float: above 70% light iron staining, diorite 5% 25% phyllite, hornfels
2341-S	LHB2, E10, N14	18	0.6	-1	20	97		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: 60% chocolate brown dacitic tuff breccia, 10% siltstone an black shale, 30% gray-green to buff volcanic breccia
2344-D	LCD2, E6, N12	37	0.3	1	10	62		Depth: 1 inch; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial-alluvial; Org: medium; Froz: no; Float: hornblende diorite and gabbro, 1% limestone, crystalline
2345-R	LCD2, E6, N12	96	5.6	2	162	200	Au -.1	Type: grab; Float: yes; Float de scription: hornblende biotite diorite, 10% iron stained contain disseminated pyrrhotite(sam ple) less than 1% crystalline limestone

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2346-S	LHA3, E1, N17	14	0.4	1	22	134		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: quartz diorite
2347-S	LHA3, E1, N17	7	0.3	1	14	98		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: quartz diorite
2348-S	LHA3, E1, N17	12	0.4	1	22	148		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: quartz diorite with a couple of pieces of basalt float
2349-S	LHA3, E1, N16	9	0.3	1	8	94		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz diorite
2350-R	LHA3 E1, N16	6	0.2	1	8	70	Sn -.02%	Type: grab; Float: yes; Float description: sample is of quartz diorite with tourmaline
2351-S	LHA3 E1, N16	14	0.6	2	10	102		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: quartz diorite
2352-S	LHA3, E1, N15	14	0.6	3	15	75		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: high; Str situs: alluvial; Float: quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2353-S	LHA 3. E2, N15	29	0.8	1	14	280		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz diorite, and quartz diorite porphyry
2354-R	LHA3, E2, N15	660	13.3	6	20	2060	Au -.1 As 1200	Type: grab; Float: yes; Float description: rock sample of iron stained quartz diorite with 1% chalcopyrite and white metal there is an iron stained canyon higher up on stream where 2353 was taken, rock has quartz sericite act
2355-R	LHA3, E2, N14	1800	28.3	3	17	3400	Au -.1 As 5000	Type: grab; Float: yes; Hi graded: yes; Bedrock: quartz-sericite, act, in quartz diorite? 5% pyrite cubes, 5% chalcopyrite 5% silvery mineral)
2356-S	LHB1, E4, N8	8	0.1	3	15	49	Au -.1	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel; Org: low; Str situs: glacial; Float: granite cobbles in drainage
2357-S	LHB1, E4, N8	8	0.1	3	5	65	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel;Org: low; Str situs: glacial; Float: gr, mony cobles in stream
2361=S	LHB1, E4, N6	6	0.3	26	10	46	As 10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite
2362-S	LHB1, E4, N6	1	0.1	8	2	20	As 10	Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: granite; Float: granite, medium coarse 75% alaskite, fine grained, no ore disseminatio

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2363-R	LHB1, E4, N6	2	0.1	960	2	38	Au -.1	Type: chip; Float: yes; Bedrock: granite, biotite granite, fine grained rich in biotite sample is floating on large rubcrop of granite showing moly dissemination
2364-S	LHB1, E3, N7	3	0.2	14	10	58	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 100%
2365-S	LHB1, E3, N7	20	0.1	11	4	62	As 50	Str wdth: 1-3; Av str dpth: dry; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 80%, basic rocks 20%
2370-R	LHA2, E5, N6	2	0.1	-1	6	44	Au -.1	Type: chip; Bedrock: yes; Bedrock description: granite; Float: granite, equigranular spare quartz veinlets, no ore dissemination no hydrothermal alteration
2376-S	LHA4, E13, N15	15	0.5	1	14	114	As 20 W 2 Sn 10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: coarse-very coarse grained granite (as for 2250) only a little (less than 5%) altered intrusive float
2377-D	LHA3, E1, N14	20	0.7	1	14	120	As 10 W 4 Sn 10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: alluvial; Org: medium; Froz: no ; Float: very coarse grained equigranular to feldspar(simple twinning)porphyritic quartz(rich)granite unmineralized and ;unaltered
2378-S	LHA3, E1, N14	16	0.6	1	12	104	As 20 W 2 Sn -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: coarse grained quartz granite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2379-S	LHA3, E1, N14	37	0.8	1	22	166	As 40 W 4 Sn 10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: mdium; Str situs: bedrock; Bedrock-Float: coarse grained biotite granite, less than 5% aplite float, less than 5% basalt(fine grained) float
2380-S	LHA3, E1, N14	21	1.2	2	24	144	As 70	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: coarse grained biotite granite, less than 5% volcanogenic sandstone and pyritic dacites(?) tuffs
2381-S	LHA3, E2, N13	10	0.3	4	14	62	As 20	Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 100% medium grained 50/50 biotite granite
2382-S	LHA3, E3, N13	18	1.1	4	22	134	As 150	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: 95% coarse grained biotite, granite, 5% weakly hornfelsed volcanics sandstone(pale green) and spotted hornfels (slate) weakly pyritic(fine grained)
2383-S	LHA3, E3, N13	5	0.3	-1	8	44	As 10	Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial Float: 100% coarse grained biotite granite
2384-S	LHA3, E3, N12	49	0.8	1	20	200	As 70 W 4 Sn 10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Og: low; Str situs: alluvial; Float: 70% coarse-medium grained qua biotite granite, 30% weakly hornfelsed siltstone, some thick(<6#) vein quartz and no appreciable sulfide

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2385-S	LHA3, E3, N12	24	0.5	-1	12	110	As 20	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 20% coarse grained(and medium grained) biotite granite, 80% dark gray siltstone and slate(same as spotted hornfels
2386-R	LHA3, E3, N11	64	0.7	1	18	138	As -10	Type: chip; Float: yes; Float description: 100% dark gray siltstones and slate, some have been converted to spotted hornfels, sparse milky vein quartz, no fines in gully so collected representative rock cliff sample
2387-R	LHA 3, E3, N11	52	0.7	1	22	134	As -10	Type: chip; Float: yes; Float description: 100% slates(and 1 siltstone) no fines so representative rock cliff of float
2388-S	LHA3, E3, N10	97	0.9	1	28	260	As 10	Str wdth: 15-10; Av str dpth: 0-1/2; In flood. no; Size: sand-silt; Org: low; Str situs: alluvial; Float: slates, siltstones and very minor sandstone, 2 boulders coarse grained biotite granite
2389-R	LHA3, E3, N10	50	0.7	1	18	112	As -10	Type: chip; Float: yes; Float description: slates 50%, siltstones, 50%, both dark gray, unmineralized, not hornfelsed, scattered small rock cliff from all over large landside debris pile

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2416-S	LCD2, E6, N12	29	0.7	1	12	54		Av str dpth: dry; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; Float: 75% hornblende diorite and gabbro, some quartz and feldspar veining 20% biotite granite, less than 1% crystalline calcite granite dikes in diorite and gabbro, above sample site
2417-D	LCD2, E5, N12	71	0.6	1	44	82		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial-alluvial; Org: medium; Froz: no; Float: 90% hornblende diorite and gabbro, 10% biotite granite
2418-S	LHA2, E6, N6	36	0.7	1	8	130		Av str dpth: dry; Size: sand-silt; Org: mediu Str situs: alluvial; Float: 20% granite, 40% siltstone, iron stained, some with disseimated pyrite, 40% hornblend quartz diorite, 1 graywacke cobble
2419-S	LHA2, E5, N7	57	1.0	2	12	220		Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: iron stained siltstone with disseminated pyrhotite 1% granite
2420-R	LHA2, E5, N7	51	0.9	4	8	80	Au -.1	Type: grab; Float: yes; Float description: iron stained siltstone with disseminated pyrrhotite(sample) 1% granite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2423-R	LCD2, E7, N12	150	0.6	3	22	682	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Bedrock: calcareous meta siltstone; Sample: diorite with about 3% coarse pyrite
2424-R	LCD2, E7, N12	240	5.5	5	1050	2500	Au -.1 As -10	Type: grab; Float: yes; Sample: vein fragmer 8" x 10" x 3", quartz calcite vein with galena, spahalerite, pyrite and chalcoyrite approximately 1 1/2% total sulfides with galena and sphalerite predominanting float diorite and hornfels
2425-D	LCD2, E1, N15	63	0.3	2	10	14		Depth: 6 inches; Size: silt-clay; Moist: dry; Color: brown; Soil situs: alluvial; Org: medium; Froz: no; Float: 95% quartz biotite, metaquartzite, weak limonite stain due to decomposition of biotite, 5% quartz biotite diorite
2426-S	LCD2, E1, N15	35	0.4	1	23	76		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 75% diorite and quartz and hornblende and biotite in part foliated somedepidote on fractures, few quartz veins, 20% metaquartzitite and quartz biotite schist, 5% well hornfelsed siltstone sandstone, with quartz veins

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2427-R	LCD 2 E3, N13	14	0.2	1	6	58	Au -.1	Type: chip; Bedrock: yes; Bedrock description: diorite, gnessici texture, fine grained showing a minor pyrite and chalcopyrite dissemination
2428-R	LCD2, E2, N13	1140	0.7	1	6	38	Au -.1	Type: chip; Rubcrop: yes; Bedrock: diorite, Float: meta quartzitie, gneiss(?) some fragments iron stained upper part show an iron stained spot, disseminated pyrite is found in metaquartzitie, diorite shows an incipent chloritic alteration
2429-S	LCD2, E2, N14	270	0.4	1	6	62	Au 0.1	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock diorite; Float: diorite, no ore dissemination no hydrothermal alteration
2430-R	LCD2, E2, N14	15	0.2	1	6	62	Au -.1	Type: chip; Bedrock: yes; Bedrock description: diorite, fine grained with spare quartz veinlets, xenoliths of gabbro in outcrop weathered, no ore dissemination, no hydrothermal alteration
2431-S	LHA2, E3, N7	46	0.3	1	8	100		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: ;high; Str situs: alluvial Bedrock: none observed, morraine cover; Float: quartz diorite meta sediments one or both perhaps exotic

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2432-S	LHA2, E3, N7	50	0.3	1	8	84		Str wdth: 6-10; Av str dpth: 1/2-1; In flood no; Size: silt;Org: high; Str situs: alluvial; Bedrock: none observed; Float: meta siltstone and argillite and exotic morraine derived granitici float
2433-S	LHA2, E3, N8	39	0.3	1	8	102		Str wdth: 3-6p Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Bedrock: none observed; Meta siltstone and argillite
2434-R	LHA2, E4, N8	20	0.3	1	8	62		Type: grab; Float: yes; Ssmple: sample of semi slate float with minor iron staining fc background geochem
2435-S	LCD2, E2, N4	12	0.4	1	20	56	W 4	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial Bedrock: hornblende quartz diorite, 85% above, vesicular greenstones; Float: approximately 0.1% fine disseminated sulfides in quartz diorite near contact pyrite dominants but chalcopyrite also observed, in small quanitities
2436-S	LCD2, E2, N3	49	0.7	2	25	66		Str wdth: 1-3; Av str dpth: dry; In flood: nc Size: clay; Org: low; Str situs: alluvial; Float: small gully draining meta andesites near horizaontal flows 50' thick some siltstones, outcrop and talus

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2437-S	LCD2, E1, N2	31	0.7	8	20	98		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Float: talus and outcrop of andesitic volcanics, very local quartz-pyrite, zones 1' -2' wide
1438-R	LCD2, E1, N2	65	0.3	8	10	40	Au -.1	Type: grab; Float: talus, sample of quartz pyrite zone in andesitic and dacitic volcanics not worth following up unless run gold
2439-S	LCD2, E1, N1	50	0.9	9	40	104		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Float: fines from talus near loarge vein wall of andesitic volcanics cut by zones of quartz pyrite rhyolite(?)
2440-S	LCD3, E13, N1	26	0.5	1	20	56		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: fines from talus of andesitic volcanic some porphyriric texture with flow structure
2441-S	LCD3, E12, N1	27	0.4	1	15	34		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: talus fines of andesitic volcanics near flat lying

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2442-R	LCD3, E12, N1	15	0.2	5	15	126	Au -.1	Type: grab; Bedrock: yes; Bedrock description: hornblende diorite, with slight iron stain from mafic minerals, no sulfides dissiminated, no alteration to speakd
2443-S	LCD3, E11, N1	15	0.3	1	15	76		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: hornblende diorite outcrop, slight iron stain brown hornblende
2444-S	LCD3, E11, N2	42	0.6	3	30	74		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: large drainage with detrious mostly hornblende diorite and porphyritic andesite, this sample not sufficient to cover this enti: drainage
2445-S	LCD2, E2, N17	61	0.9	1	10	92		Str wdth: 3-6; Av str dpth: dry;In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 90% of detritus is biotite quartz diorite gneiss and 10% is pyrrhotitic siltstone
2446-R	LCD2, E2, N17	85	0.6	6	10	70	Au -.1	Type: grab; Float: grab; sample of talus of pyrrhotized biotite gneiss and siltstone, run for Au as a long shot, trace chalcopyrite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2447-D	LCD 2, E1, N17	36	0.6	1	15	90		Depth: 8 inches; Hor: C; Size: silt-clay; Moist: medium; Color: brown; Soil situs: residual; Org: medium; Froz: no; Float: soil sample over leucocratic quartz diorite, mafics are hornblende
2448-S	LCD2, E1, N17	25	0.6	1	10	62		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: bedroc Float: outcrop of hornblende leucocratic diorite, detritus of iron stained siltstone
2449-R	LCD3, E13, N17	60	0.7	3	10	52	Au -.1	Type: chip; Bedrock: yes; Float: chip sample 20 lneal feet of strongly pyrrhotitic and fractured schist biotite(?) zone of schist 150 feet wide
2450-S	LCD3, E13, N17	62	0.8	1	15	82		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: detutus of 50% leucocratic quartz diorite and 50% pyrrhotitic siltstone and schist
2451-S	LH-2, E5, N7	28	0.7	-1	8	66		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt;Org: medium; Str situs: alluvial; Float: 25% granite, 25% siltstone, much iron stained, 50% quartz diorite, some with xenolits of diorite, 1 gabbro boulder

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2452-S	LHA2, E5, N8	44	0.6	-1	8	60		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 30% granite, 30% siltstone, much iron stained, 40% quartz diorite
2453-R	LHA2, E5, N8	58	1.1	1	12	90	Au -.1	Type: grab; Bedrock: yes; Bedrock description: iron stained, black siltstone, contains fine grained disseminated pyrrhotite
2454-S	LHA2, E4, N9	19	0.4	-1	6	36		Av str dpth: dry; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 40% siltstone, 10% granite, 40% quartz diorite, some with xenoliths of diorite, 10% porphyritic dacite
2455-S	LHA2 E4, N9	33	0.6	-1	8	98		Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 20% granite, 40% siltstone, mostly iron stained contains fine grain disseminated pyrrhotite, 40% hornblende quartz diorite with small xenoliths of diorite
2456-R	LCD2, E3, N2	16	1.1	4	30	180	Au -.1 W -.005%	Type: grab; Bedrock: yes; Hi graded: yes; Bedrock description: brecciated siltstone, some iron stained containing very fine grain disseminated sulfide, sample-iron stained

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2457-R	LCD2, E3, N2	15	1.5	3	25	58	Au -.1 W -.005%	Type:grab; Float: yes; Float description: 80% dacite porphyry and dacitic welded tuff breccia, 10% fine grained granodiorite most rocks iron stained sample-dacite breccia with hematite stain, glacial morraine
2458-R	LCD2, E2, N2	7	0.3	1	25	136	Au -.1 W -.005% Sn -.01%	Type: grab; Float: yes; Float description: 50% iron stained hornblende granite(sample) 50% hornblende granite with coarse disseminated salmon red mineral, glacial morraine
2459-S	LCD2, E2, N2	5	0.3	1	30	58		Size: sand-silt; Org: low; Str situs: glacial; Float: hornblende granite with small xenoliths of diorite, some iron stain, stream presently flowing under ice and snow
2460-R	LCD2, E1, N	9400	5.6	7	25	68	Au -.1 As 10	Type: grab; Float: yes; Float description: fine grained gabbro, containsdisseminated and veinlets of pyrrhotite with some chalcopyrite, green Cu stain(malachite) glacial morraine, fair amount of epidote,
2461-S	LCD2, E1, N1	25	0.4	1	15	50		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: fine grained gabbro and basalt, some epidote, 20% granite, 5% limestone, stream flowing in ice channel

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2462-S	LCD2, E1, N1	32	0.9	1	30	110		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 50% granite, 25% cream to gray limestone, 25% iron stained fine grained gabbro and basalt, contain disseminated pyrrhotite up to 5%
2463-R	LCD2, E1, N1	440	1.4	2	15	50	Au -.1	Type: grab; Float: yes; Float description: 50% granite, 25% cream to gray limestone, 25% iron stained fine grained gabbro and basalt, contain disseminated pyrrhotite up to 5%(sample) glacial morraine
2464-S	LCD2	26	0.4	1	20	60		
2465-D	LCD3, E13, N1	330	1.2	1	30	76		Depth: 1 inch; Hor: C; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial-alluvial; Org: low; Froz: no; Bedrock: andesite porphyry; Float: andesite porphyry 10% granodiorite
2466-R	LCD3, E13, N1	17,000	52.0	3	30	34	Au -.1	Type: grab; Float: yes; Bedrock description: andesite porphyry; Hi grade d: yes; Float description: andesite porphyry, 10% granodiorite, sample-andesite porphyry with Cu mineral on one surface, also blebs of bournite(?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2467-R	LCD3, E13, N1	56	0.3	1	30	158	Au -.1 W -.005%	Type: grab; Float: yes; Float description: 50% granite, 20% limestone, 30% fine grained gabbro and basalt, sample-granite containing brown-black mineral with reddish streak(wulframite)?
2468-S	LCC3, E13, N18	45	0.7	1	15	50		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Bedrock description: basalt and basalt porphyry; Float: some as above 10% granite, sample taken on side gorge below falls, glacial outwash
2469-S	LCD3, E12, N1	38	0.6	1	35	90		Str wdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Bedrock description: fine grained biotite granite; Float: 70% basalt and basalt porphyry, 20% dacite porphyry20% dacite porphyry, 10% granite, some basalt has disseminated pyrrhotite, granite-basalt contact approximate 100' above (vertical)sample location
2470-S	LCD3, E11, N1	39	0.8	1	20	68		Str wdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Bedrock description: hornblend granite; Float: 20% hornblende granite 50% andesite and basalt porphyries 30% acid to intermed volcanics, some volcanic breccia

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2478-S	LCD2, E4, N11	7	1.8	1	10	50	Au -.1	Str wdth: 15-25; Av str dpth: >2; In flood: no; Size: gravel-sand-silt-clay; Org: medium; Str situs: colluvial; Float: diorite gabbro, monzonite, andesite, meta sediments, stream cobbles
2479-S	LCD2, E4, N12	28	0.1	1	8	52	Au -.1	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial; Bedrock: cobbles; Float: monzonite gabbro, epidotized and iron stained, meta sediment
2480-R	LCD2, E2, N12	15	0.2	1	4	42	Au -.1	Type: grab; Float: yes; Float description: sample in talus cone 500% hornblende gabbro, 50% biotite granite
2481-S	LCD2, E4, N12	33	0.3	1	8	54	Au -.1	Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: granite and gabbro with minor metasediment cobbles in stream bed about 1% iron stained
2482-S	LCD2, E4, N13	47	0.3	1	5	42	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: glacial; Float: primarily gabbro cobbles with minor granite and metasediment
2483-R	LCD2, E4, N13	30	-.1	3	4	50	Au -.1	Type: chip; Bedrock: yes; Float: biotite feldspar (K_spar?) quartz schist with 1-3% pyrite
2484-S	LCD2, E4, N14	12	-.1	1	4	40	Au -.1	Str wdth: 10-15; Av str dpth: 1/2-1; In flood no; Size: sand-gravel-silt-clay; Org: medium; Str situs: colluvial; Float: schist gabbro, granite cobbles in stream

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2485-S	LCD2, E4, N14	9	-.1	1	6	24	As -10 W 3	Str wdth: >25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: coarse grained equigranular i intrusives, quartz diorite, diorite, gabbro <1% sediment float
2486-S	LCD2, E3, N16	18	-.1	2	6	50	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: 30% quartz biotie hornblende diorite, coarse grained equigranular, 70% medium-coarse grained equigranular hornblende diorite
2487-R	LHA2, E6, N4	8	0.4	1	8	34	Au -.1	Type: chip; Rubcrop: yes; Bedrock: diorite; Float: gabbro, fine grained, xenos of quartz diorite, showing a chloritic alteration with a minor pyrite dissemination
2488-S	LHA2, E6, N4	25	1.3	1	14	48	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite; Float: diorite 50%, gabbro 15% metasediments, iron stained 15% tactite 20%
2489-S	LHA2, E6, N5	70	1.3	4	16	148	As -10	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Str situs:alluvial; Bedrock: diorite; Float: diorite 60%, tactite 10%, meta sediments(iron stained with pyrite dissiminated) 30%
2490-S	LHA2, E6, N5	93	1.2	5	16	540	As 130	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand-; Str situs: alluvial Float: meta sediments, iron stained with some pyrite dissemination, limoritic cover, a fiew fragments have hematite about 75%, diorite, 20%, tactite 5%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2491-R	LHA2, E6, N5	60	1.4	9	14	280	As 20	Type: chip; Rubcrop: yes; Bedrock: diorite; Float: meta sediment, upper part of hill and rubcrop, very iron stained, lying over diorite, meta sediments, shows a pyrite dissemination
2492-S	LHA2, E6, N6	75	1.0	5	12	300	As 40	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: metasediments, iron stained with a minor pyrite dissemination, 60%, diorite 40%
2493-S	LHA2, E5, N6	15	0.5	-1	8	30	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 70%, metasediments, 30%, metasediments iron stained come from upper part of the hill
2494-S	LHA2, E4, N7	75	0.8	-1	12	108	As 10	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org; Low; Str situs: alluvial Bedrock: granite; Float: meta shale, iron stained 80%, granite, 20%
2495-R	LCD2, E3, N14	9	-.1	2	8	44	As -10	Type: chip; Float: yes; Float description: diorite quartz and biotite hornblende, represents sample of talus float

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2496-R	LCD2, E3, N14	12	-.1	1	8	52		Type: chip; Float: yes; Float description: quartz diorite with biotite 60%, hornblende diorite, 60%, some weakly pyritic, both varieties coarse grained, equigranular, represents rock chip from alluvial fan
2497-D	LCD2, E2, N15	9	-.1	1	8	40		Depth; 3 inches; Hor: B; Size: silt-clay; Moist: dry; Color: brown; Soil situs: colluvial; Org: high; Froz: no; Float: quartz diorite
2498-R	LCD2, E2, N15	49	0.3	1	8	36	Au -.1 As -10	Type: grab; Hi graded: partially; Bedrock: abnormally dense fine grained green altered rock with 1/2% pyrrhotite possibly a chlorite altered basalt?, highly sheareed fractured and limonite stained, cut by 1 6" granite dyke
2499-S	LHA2, E7, N2	70	0.9	2	26	36	Au -.1	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: diorite; Float: diorite 60%, limestone 20%, tractite 20%
2500-S	LHA2, E7, N3	65	1.3	3	58	62	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial Bedrock: meta sediment; Float: meta sediment 60%, tactite 20%, limestone 20%, tactite with a minor pyrite dissemination, meta sediment with a minor pyrite dissemination

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2501-D	LCD3, E11, N1	25	0.5	1	15	38		Depth: 1 inch; Size: sand-silt; Moist: mediur Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: 50% hornblende granite, 50% intermediate to basic volcanic some porphyritic
2502-D	LCD3, E10, N2	20	0.3	1	20	40		Depth: 1 inch; Size: sand; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: hornblende granite
2503-S	LCD3, E10, N2	40	0.8	1	25	86		Str wdth: 10-15; Av str dpth:;1-2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrock: hornblende granite; Float: 25% hornblende granite, 75% intermediate to basic volcanics, most porphyritic
2504-R	LCD3, E9, N2	8	0.3	3	5	4	Au -.1	Type: grab; Float:yes; Float description: andesite and andesite porphyry, dacite porphyry, 10% vein quartz, iron stained sample
2505-S	LCD3, E9, N2	210	1.2	1	35	94		Av str dpth: dry; Size: sand-silt; Org: medium Str situs: alluvial; Float: andesite, dacite porphyry
2506-S	LCD3, E9, N3	80	0.8	1	25	70		Av str dpth: dry; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 30% granite, 70% dacite porphyry andesite and andesite porphyry

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2507-S	LCD2, E3, N18	38	0.9	1	15	44		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: fine grained hornblende biotie diorite cut by pegmatitic quartz diorite and aplitic dikes and veins, some epidote, small amount of coarse molybdenum in dike material
2508-R	LCD2, E3, N18	74	1.0	4	25	106	Au -.1	Type: grab; Float: yes; Hi graded:yes; Float description: fine grained hornblende biotite diorite cut by dikes and veins of fine grained pegmatitc quartz diorite containing occassional coarse moly and pyrite, sample-pyrite and dark mineral in coarse quartz diorite vein
2509-S	LCD2, E4, N17	88	0.8	1	15	52		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 20% granite, 80% hornblende biotite diorite
2510-R	LCD2, E4, N17	29	-.1	4	5	6	Au -.1	Type: grab; Float: yes; Float description: 50% hornblende biotite diorite, 50% biotite granite, mostly iron stained with disseminat blebs of pyrite(sample)
2511-S	LCD2, E4, N17	27	0.3	2	10	50		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 50% hornblende biotite diorite, 50% hornblende granite, some iron stained, stream snow covered above sample pt

PROJECT = COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2512-S	LCD2, E3, N16	14	0.2	2	10	64		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 50% biotite granite, 50% hornblende biotite granite
2513-S	LCD2, E3, N17	28	0.5	1	10	52		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: hornblende diorite
2514-S	LCD2. E3, N17	73	1.0	2	15	108		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: hornblende diorite, 1% very fine grained granodiorite(?)
2515-S	LCD2, E2, N16	26	0.8	2	15	76		Av str dpth: dry; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; Float: 50% fine-grained granodiorite, 50% hornblende diorite, intermixed in some rock
2516-S	LHA1, E7, N9	15	0.3	3	14	78		Av str dpth: dry; Size: sand; Org: medium; Str situs: alluvial; Float: medium to coarse grained biotite granite
2517-R	LHA1, E7, N9	11	1.1	2	66	610	Au -.1 As -10 Sn -.01% W -.005%	Type: grab; Float: yes; Float description: medium-coarse grained biotite granite and granite porphyry, some parts pegmatitic, 5% altered granite heavily Mn stained contains specular hematite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2518-S	LHA1, E7, N9	15	0.1	6	20	124		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: fine to coarse grained biotite granite, < 1% Mn stained granite with dark gray magnetic mineral (specular heamtite) several cobbles of basalt
2519-S	LHA1, E7, N10	18	0.3	2	18	54		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: medium to coarse grained biotite granite, some granite porphyry, on boulder showing gneissic structure some Mn staining
2520-S	LHA1, E7, N10	110	2.1	18	118	190		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: medium to coarse grained biotite granite, some Mn and Iron stain
2521-S	LCD2, E2, N5	16	0.4	2	40	88	W 6	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: dark gray-green volcanic (andesite?) hornfesl with common epidote on fracture surfaces and as fine veinlets, Cu content of hornfels, expected on the order of 80-120 ppm

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2522-S	LCD 2, E2, N5	21	0.4	1	15	98	W 4	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: 50% granitiics hornblende ;quartz diorite, quartz monzonite, 50% andesite and other volcanics
2523-S	LCD2, E2, N5	15	0.4	2	15	72		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: iron stained hornblende diorite
2524-R	LCD2, E3, N5	34	0.6	6	25	128	Hg 40	Ty9e: grab; Rubcrop: yes; Bedrock: hornblende quartz diorite with common iron stained fractures and blocks of hornfelsed sediments, porphyriitic alteration, feldspar dull hornblende→ chlorite
2525-S	LCD2, E2, N5	16	0.3	1	15	48		Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende quartz diorite with some monznite and granite, less iron stained and unaltered compared with 2529 sample is at end of prominant iron stained float

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2526-S	LCD2, E2, N5	10	0.4	1	15	80		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: unaltered, hornblende, quartz diorite, float and drainage for comparison with nearby 2525 which contains much iron stained float as does 2524
2527-R	LCD2, E2, N6	10	0.3	4	20	86	Au -.1 As -10 Hg 30	Type: grab; Rubcrop: yes; Bedrock: hornblende quartz diorite; Sample from surface across 200' altered zone sheared quartz diorite with propylitic alteration quartz calcite vein fragments observed, but no ore minerals identifiec, Pb, Ag bearing
2528-S	LCD2, E2, N6	3	0.2	1	15	56		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite, Float: above 70% finer grained quartz diorite 25% hornfelsed volcanics 5%
2529-S	LCD2, E2, N7	9	0.4	1	20	120		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite; Float: above
2530-S	LCD2, E2, N7	4	0.2	1	25	84		Str wdth: 3-6; Av str dpth: 1/. 2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende quartz diorite, 80% 20% finer grained hornblende quartz diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2531-S	LCD2	40	0.6	3	20	102	Cd 0.2	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Bedrock: hornblende quartz diorite, 70% above, 30% volcanic hornfels
2532-S	LCD2, E1, N7	130	1.0	2	30	122		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: greenstone, siltstone, argillite; Bedrock: none observed
2533-S	LCD3, E12, N5	27	0.5	2	10	58		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: nearby exposures, granitic; Float: altered(propylitic)volcanics and diorite, intrusive breccia?
2534-S	LCD3, E12, N5	70	0.6	2	20	84		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: volcanics principally andesites; Float: above in area of sample iron stained rhyolite
2535-S	LCD3, E12, N6	73	0.5	2	20	80	Cd 0.2	Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende quartz diorite 40%, volcanics(mainly andesi 60%)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2536-S	LCD3, E12, N7	160	0.8	2	25	100		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: graywacke and argillite; Float: graywacke dominating at head of creek. Float above 60%, hornblende quartz diorite, parbly exotic 40%
2537-S	LCD3, E11, N8	56	0.7	1	20	88		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: exotic morraine derived float predominantes, hornblende, propyliticly altered andesite, and with some argillite
2538-S	LCD3, E11, N7	60	0.5	2	20	96		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: andesite; Float: above and other volcanics
2539-S	LCD3, E10, N7	43	0.7	1	15	96		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: andesite, Float: andesite
2540-S	LCD3, E10, N6	48	0.4	5	25	120		Str wdth: 15-25; Av str dpth: 1/2-1; in flood no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: from morraine 80% granitic, see 2541, description

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2541-R	LCD3, E10, N6	500	9.5	1300	950	350	Au -.1 As 350	Type: grab; Float: yes; Hi graded: yes; Sample: vein material from terminal morraine 1 piece molybdenite, bearing quartz vein wit. no altered at vein margins, observed and sampled with quartz and quartz calcite veinlets, the last two appear barren.
2542-S	LHA2, E2, N3	75	0.7	4	15	102		Str wdth: 6-10; Av. str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: lightly to moderateli iron stained argillites and siltstones, some are slightly calcareous
2545-S	LCD2, E1, N11	20	0.4	1	15	68	Cd 1.7	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: alluvial; Float: diorite and granodiorite, no sulfides
2546-S	LCD2, E1, N11	14	0.4	1	15	64		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite and granodiorite, no sulfides somewhat weathered
2547-S	LCD2, E1, N12	22	0.6	1	15	44		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock and float, primarily diorite, no alteration or sulfides
2548-S	LCD3, E13, N12	22	0.4	2	15	56		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: allvuail; Float: consists of diorite and weathered granite with quartz vugs
2549-S	LCD3, E13, N12	14	0.2	2	15	52		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: rock and float primarily weahtered anc somewhat altered vuggy granite much sandy gruss quartz cavity fillings

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2550-S	LCD3, E13, N12	14	0.3	2	20	76		Str wdth: 3-6; Av str dpth: 1/2-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: bedrock — weathered, granite, some alteration, sandy gruss in stream and soils
2551-S	LCD3, E13, N13	14	0.3	2	20	64		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: is granitic(weathered)orthogneiss megmatites, and volcanic breccia less than 5%
2552-S	LCD3, E13, N12	25	0.3	1	10	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorites, orthogneiss, no sulfides or alteration
2553-S	LCD3, E13, N13	21	0.5	2	15	66		Strwdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock is fractured and weathered granodiorite, float is diorite and weathered granite, some orthogneiss
2554-S	LCD3, E12, N13	18	0.4	2	15	66		Str wdth: 3-6; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: weathered granodiorite, no alterati or sulfide migmitites and wxed granite in float
2555-S	LCD3, E12, N13	19	0.4	3	15	66		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: alluvial fan, wx granite, diorite float no sulfides

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2556-S	LCD3, E12, N14	15	0.2	1	15	52		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: end of alluvial fan, veiscular granitic float, diorite float, some migmatites
2557-S	LCD3, E13, N14	22	0.4	1	10	52		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite float, no sulfides or alteration
2558-R	LCD1, E6, N16	3	0.5	1	5	44	Sn -.01%	Type: chip; Rubcrop: yes; Float: granite and granite porphyry intruding diorite, diorite often as xenoliths, no alteration, some pegmatites
2559-R	LCD1, E6, N17	8	0.1	1	10	30	Ni 3 W -.005% Sn -.01%	Type: grab; Float: yes; Float description: bedrock is granite, some pegmatite with associated pyrite and epidote, sample is altered, has iron oxides and epidote
2560-D	LCD1, E6, N17	3	0.5	1	5	20		Depth: 0; Hor: C; Size: silt; Moist: medium; Color: green; Soil situs: glacial; Org: low; Froz: no; Float: granite with diorite xenoliths, sample is from glacial fines, no sulf some epidote

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2561-R	LCD2, E3, N9	40	0.6	2	10	42	As -10	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite(?); Float: meta sediment, a long the contact with quartz monzonite, it looks like a hornfels, some portions are pretty cooked up, in general is corugated and some basic magma cooked partially, sample and outcrop iron stained, some limonite in vugs, no ore dissemination at sight, a little hematite is found
2562-R	LCD2, E3, N9	5	0.1	1	20	16	As -10	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite; Float: quartz monzonite, equigranular, chlorite is slightly altered due to weathering, no ore dissemination, no hydrothermal alteration, in contact with meta sediments, there are some xenos of hornfels and metasediment, some dikes like fingers go into mafic sediments
2563-S	LCD2, E3, N8	39	0.5	1	10	66	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yex; Size: sand; Str situs: alluvial; Float: quartz monzonite 60%, with xenos of diorite and gabbro and shear quartz veinlets, meta sediments 40%, stream flows over morraine mafics
2564-S	LCD2, E2, N8	140	0.7	2	15	70	As -10	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Float: diorite 70%, metasediments, 30%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2565-S	LCD2, E2, N8	49	0.6	1	20	100	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite 50%, quartz monzonite, 30%, meta sediments, 20%
2566-S	LCD2, E1, N8	10	0.2	4	20	58	As -10	Str wdth: 3-6; Av str dpth: dry; Float: granite porphyry 70%, quartz monzonite, 15%, basic rocks, 15%
2567-S	LCD2, E2, N9	42	0.6	1	15	68	As -10	Str wdth: 3-6; Av str dpth: dry; Float: sample taken from dry stream, diorite, no evidence of ore dissemination
2568-S	LCD3, E1, N9	19	0.4	1	15	64	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, 90%, basic rocks, 10%
2569-S	LCD3, E13, N9	55	0.6	2	15	72	As -10	Str wdth: 3-6; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Float: granite 40%, diorite, 30%, meta sediments, 20%, basic rocks, 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2570-S	LCD3, E12, N10	25	0.6	2	15	50	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite 90%, quartz monzonite 10%
2571-R	LCD3, E13, N14	29	0.7	3	20	62	As -10	Type: chip; Bedrock: yes; Float: dacite, basic dacite, partially looks as a porphyry type rock, but it is a massive pluton, no ore dissemination, talus material, porphyry dacite and basic dacite
2572-R	LCD3, E12, N4	49	0.2	6	10	30	Au -.1	Type: chip; Bedrock: yes; Float: hornfels, some spare quartz veinlets, very silicified rock, no evidence of ore dissemination
2573-R	LCD3, E12, N3	6	0.1	4	30	28	Au -.1	Type: chip; Rubcrop: yes; Float: granite, equigranular, mafics altered due to weathering, no ore dissemination, no signal of hydrothermal alteration
2574-S	LCD3, E12, N3	240	1.3	7	40	140	As 150	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite
2575-S	LCD3, E11, N2	93	0.9	8	45	200	As 170	Str wdth: 1-3; Av str dpth: dry; Flood: no; Size: sand-clay; Str situs: alluvial; Bedrock: granite; Float: granite 50%, dacite 50%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2576-S	LCD3, E10, N3	110	0.8	7	20	102	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: granite 50%, dacite 50%
2577-R	LCD3, E11, N3	24	0.3	6	70	60	Au -.1	Type: chip; Bedrock: yes; Float: granite; coarse grained, hornblende crystals are large, no evidence of ore dissemination and hydrothermal alteration
2578 -S	LCD3, E10, N3	18	0.6	2	15	54	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: granite, taken from spring
2579-S	LCD3, E9, N3	20	0.5	2	15	58	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: sample was taken from spring down stream
2580-S	LHA2, E1, N5	415	1.1	14	15	220	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: silt; Str situs: alluvial; Bedrock: meta sediment; Float: meta sediment with sparse quartz veinlets 50%, basic dacite 25%, quartz monzonite (?) 25%, very spare quartz veinlets

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2581-S	LHA2, E1, N5	170	1.4	10	50	380	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite 60%, meta sediments, 25%, quartz monzonite, 15%
2582-R	LHA2, E1, N5	15	0.5	4	20	64		Type: chip; Rubcrop: yes; Bedrock: dacite; Float: diorite(?), equigranular, showing a minor pyrite dissemination, porphyritic texture, found on the side of the hill, partially covered with grass
2583-S	LHA2, E1, N5	130	1.0	5	20	98		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: daicte 80%, 15%, limestone 5
2584-S	LHA3, E13, N5	87	0.7	3	15	112	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock dacite; Float: all dacite, very basic, some fragments iron stained, a minor pyrite dissemination
2585-S	LH A3, E13, N5	75	0.6	4	15	88	As -10	Str wdth: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite 90%, limestone 10%
2586-R	LCD2, E3, N6	18	0.4	4	15	110	Au -.1 Sn -.02%	Type: grab; Float: yes; Bedrock: grab from talus cone with diorite and biotite schist cobbles; Float: minor iron stain in diorite around, blebs of chalcopyrite-pyrite- and Sn oxide(?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2587-R	LCD2, E4, N6	29	0.6	9	15	128	Au -.1	Type: grab; Float: yes; Float description: 200' long section of iron pyrite bearing stai meta sediment in medial portion of glacier
2588-R	LCD2, E4, N6	32	0.5	13	15	400	Au -.1	Type: chip; Bedrock: yes; Float: diorite breccia with fragments of schist, meta sediment(hornfels)andesite, porphyritic basalt, intense iron staining from biotite, Mt, pyrite and porphyry
2589-D	LCD2, E4, N6	31	1.3	22	30	158	Au -.1	Depth: 2; Hor: B; Size: sand-silt; Moist: medium; Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: in rock glacier, rock types, diorite, trandhjemite, occasiona meta sediment and schist
2590-S	LCD2, E4, N7	6	0.3	2	10	28	Au -.1	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: granodiorite to trojdhje mite and diorite and breccia from both, meta sediments rare
2591-S	LHA2, E3, N14	23	0.9	2	15	110	Au -.1	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: colluvial; Float: bedrock is biotite-pyroxene gabbro intruded by quartz monzonite to granite, trace pyrite in gabbro and minor iron staining, stream cobbles include above plus porphyry bearing meta sediments and schists(biotite-quartz schist

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2592-R	LHA2, E2, N14	14	0.4	3	10	60	Au -.1	Type: chip; Bedrock: yes; Float: biotite-pyroxenite gabbro with minor pyrite including 1/2" pegmatite vein
2593-D	LHA2, E2, N13	18	0.8	1	15	62	Au -.1	Depth: 4 inches; Hor: B; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no;Float: soil is from granite talus cone
2594-S	LHA2, E2, N13	37	0.5	2	10	98	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Float: diorite to gabbro quartz biotite quartz schist, iron staining and 10% stream
2595-R	LHA2, E1, N13	92	1.0	5	10	140	Au -.1	Type: chip; Bedrock: yes; Float: iron stain muscovite biotite quartz schist intruded by monzonite granite
2596-S	LHA2, E1, N13	59	0.9	3	15	142	Au -.1	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Float: slate and diorite cobbles
2597-S	LHA2, E1, N13	54	0.7	2	15	130	Au -.1	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: slate and diorite cobbles

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2598-S	LHA2, E1, N13	40	0.5	1	10	56	Au -.1	Str wdth: 1-3; Av str dpth: o-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: biotite gabbro bedrock stream cobbles include above and granite and meta siltstone
2599-R	LCD2, E4, N7	82	0.9	10	210	500	Au -.1	Type: chip; Bedrock: yes; Float: 3-8' wide shear zone in gneissic(re crystallized) meta sediments(schists) iron oxides sericite, vertical dip striking N65E, schists are brecciated with minor diorite matrix
2600-S	LCD2, E3, N10	61	0.4	2	20	114	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: colluvial; Float: propylitically altered diorite, gabbro and meta sediments
2601-R	LCD2, E4, N19	64	0.6	1	20	64	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt-gravel; Org: medium; Str situs: colluvial; Float: minor epidote in chlorite, granodiorite(bluish) gabbro and (brecciated by diorite)
2602-R	LHA1, E7, N1	1	0.2	2	5	16	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: 2 feldspar biotite granite with minor decomposition of whitish feld, joint system, N70E, vertical dip, minor decomposition along some joints
2603-R	LHA1, E7, N1	18	1.2	3	65	132	Au -.1	Type: chip; Bedrock: yes; Float: basalt dike 10' wide N80W70SW in granite, with trace sulfides, some phenocrysts altered to calcite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2604-R	LHA1, E8, N1	14	0.1	6	5	20	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: 2 feldspar biotite granite sample contains some granite(decomposed)from shear zone-minor sericite and iron oxides
2605-S	LHA1, E8, N2	1	0.1	3	5	12	Au -.1 W 12	Str wdth: 6=10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt-clay; Org: low; Str situs: glacial; Float: cobbles 2 feldspar biotite granite minor basalt and andesite
2606-R	LHA1, E8, N2	1	0.1	1	5	12	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: biotite, 2 feldspar biotite granite, strong micro jointing →partial mechanical destruction
2607-R	LHA1, E8, N2	14	0.7	2	10	62	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: gouge zone with decomposed granite and basalt
2608-R	LHA1, E8, N3	2	0.3	5	15	12	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: very decomposed granite, all minerals altered except quart feldspars →clay(green)biotite →iron oxide +
2609-S	LHA1, E9, N3	1	0.1	1	5	8	Au -.1 W 7	Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: glacial; Float: cobbles, granite diorite, basalt

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2610-S	LHA1, E5, N4	11	1.0	-1	25	22	Au -.1 Ni 2000 Pt -.01 Co 90	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: gravel-s sand-silt; Org: medium; Str situs: alluvial; Float: serpentinite float, minor asbestos and sulfides in moderately serpentinized rock
2611-S	LHA3, E13, N5	73	0.7	5	15	92	As -10	Str wdth: 6-10; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Float: quartz monzonite with quartz veins 20%, dacite 70%, limestone 5%, meta sediment 5%
2612-R	LHA1, E10, N10	3	0.1	1	6	18	As -10	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite; Float: quartz monzonite, coarse grained, xenos of diorite and gabbro, some vugs are filled with orthoclase, hornblende and quartz crystals, no ore dissemination at sight, no hydrothermal alteration
2613-S	LHA1, E10, N10	4	0.3	11	14	30		Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz monzonite; Float: water flows on a vertical wall forming a small stream 1/2' wide
2614-S	LHA1, E10, N10	5	0.1	3	20	48		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: quartz monzonite; Float: quartz monzonite 70%, alaskite 30%

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2615-R	LHA1, E10, N11	3	0.1	3	6	12	As -10	Type: chip; Bedrock: yes; Float: alaskite, some fingers of quartz monzonite go into it, very fine grained rock, no ore dissemination no hydrothermal alteration
2616-S	LHA1, E10, N11	4	-.1	3	14	40	Au -.1	Str wdth: 6-10; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Float: alaskite 30%, quartz monzonite 70%
2617-S	LHA1, E6, N14	14	0.2	11	20	54	Au -.1	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: granite, all float is granitic
2618-S	LHA1, E6, N15	5	0.2	2	24	38	As -10	Float: granite
2619-R	LHA1, E6, N13,	2	-.1	2	8	52	As -10	Type: chip; Bedrock: yes; Bedrock description: rhyolite recrystalized rhyolite; Float; strongly recrystalized rock, no ore dissemination, no hydrothermal alteration

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2620-R	LHA1, E5, N15	3	0.1	1	8	54		Type: chip; Bedrock: yes; Float: alaskite, some dikes of gabbro ore noticed, xenos of gabbro and biotite diorite, no ore dissemination at sight, no hydrothermal alteration
2621-S-~~R~~	LHA2, E2, N3	97	1.1	7	30	146		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: low; Str situs: alluvial Bedrock: siltstone with some argillite with moderate to heavy iron staining; Float: above with 15% diorite; Special spl notes: sample of coarse sedimentsno fines available average size about 1.5 mm with some sand and clayfines
2622-R	LHA2, E2, N3	110	2.4	49	15	860	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Sample: collection of most heavily iron stained float from same site as 2621
2623-S	LHA2, E2, N3	120	0.8	1	10	102		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: heavily iron staind argillite with up to 5% pyrite in fractures and in disseminations; Float: siltstone, gray-light gray

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2624-S	~~LHA2~~, E1, N3	60	0.8	4	10	108		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite, 90% siltstone, 10% above; Float: sample below diorite, siltstone contact abou 500'
2625-S	LHA2, E1, N3	73	0.7	5	15	156		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite, float above
2626-S	LHA2, E1, N3	67	0.6	2	15	122		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: hornblende quartz monzonite with blckey K-spar phenocrysts; Float: above with few blocks of very mafic diorite(inclusions)
2627-S	LHA2, E1, N3	37	0.3	1	10	52		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Str situs: alluvial; Bedrock: hornblende quartz monzonite; Float: above
2628-S	LHA3, E13, N3	51	0.5	1	10	56		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende quartz monzonite 90%, meta sediments and hornfels 10% Bedrock: none observed

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2629-R	LHA1, E3, N11	4	1.4	14	10	150	W -.002% Sn -.0025% Cd 0.4	Type: grab; Float: yes; Sample: plagioclase magnetite quartz rock approx 60%, magnetit 30% plagiociase 10% quartz accessory pyrit
2631-S	LHA1, E7, N10	20	0.2	5	44	134	W -.002% Sn -.0025% Cd 0.7	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: fine-coarse grained biotite granite, a few (<1%)cobbles heavily Mn stained, contain pla·ty black magnetic mineral(specular hematite)
2632-R	LHA1, E7, N10	3	-.1	4	18	560	Au -.1 W -.005% Sn -.02%	Type: grab; Float: yes; Float description: fine to coarse-graind biotite granite, a few (<1%)cobbles heavily Mn stained, contain platy black magnetic mineral(specular hematite) (sample)
2633-R	LHA1, E7, N10	6	0.7	3	92	2200	Au -.1 As -10 W -.005% Sn -.02%	Type: grab; Float: yes; Float description: fine - coarse grained biotite granite, a few(<1%) cobbles heavily Mn stained contain platy black magnetic mineral (specular hematite) (sample)
2634-S	LHA1, E7, N11	17	0.3	6	22	90		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: medium-coarse grained biotite granite
2635-S	LHA1, E7, N11	11	0.3	8	18	48		Av str dpth: dry; Size: sand-silt; Org: mediu Str situs: alluvial; Float: medium-coarse grained biotite granite
2636-S	LHA1, E8, N11	14	0.2	5	26	74	Cd 0.4	Str wdth: 10-15; Av str dpth: 1/2-1; In flooc no; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrcok-Float: medium-coarse grained biotite granite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2637-S	LHA1, E2, N16	9	0.3	2	12	42		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: granodiorite with many xenoliths of diorite, Float: granite to granodiorite, pegmatitic to very fine grained, containing xenoliths of quartz diorite and diorite, rock types intermixed
2638-S	LHA1, E2, N15	14	1.7	6	18	54		Str wdth: <1; Av str dpth: 0-1/2; In flood: no Size: sand; Org: medium; Str situs: colluvial-alluvial; Float: granite to granodiorite, fine grained to pegmatitic, with xenoliths of diorite and quartz diorite rock types intermixed
2639=S	LHA1, E3, N15	13	1.1	19	120	118		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: fine grained to pegmatitic granite to granodiorite with xenoliths of diorite and quartz diorite, rock types intermixed 5% of rock Mn stained
2640-R	LHA1, E3, N15	5	0.4	6	48	82	Au -.1 W -.005%	Type: grab; Float: yes; Float description: fine grained to pegmatitic granite to granodiorite with xenoliths of diorite and quartz diorite rock types intermixed 5% Mn stained sample - Mn stained granodiorite with black mineral with metallic luster
2641-S	LCD1, E6, N17	5	0.5	1	5	36	W -.002% Sn -.0025% Cd 0.8	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: colluvial; Bedrock: rock is primarily diorite, some alteration and associated pyrite and epidote localized along veins, seems to be a gradational contact between granite and

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2642-R	LCD1, E6, N18	6	0.3	6	10	18	W -.005% Sn -.01% Ni 5	Type: grab; Float: yes; Float description: bedrock is coarse grained granite, a few xenoliths sample in somewhat altered
2643-S 1	LHA1, E6, N1	1	0.4	1	5	22	W 5 Sn -10 Ni 5	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: granite, some alteration, no sulfides, sample is from proglivial strea:
2644-S	LHA1, E6, N1	3	0.4	1	10	30		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: coarse granite, shows some dissemination, pyrite
2645-R	LHA1, E6, N1	23	0.2	3	5	10	Sn -.01% Ni 5	Type: chip; Rubcrop: yes; Float: altered coarse granite, has quartz vugs and also shows some bromite
2646-S	LHA1, E7, N1	3	0.3	1	10	38		Str wdth: 6-10; Av str dpth: dry; In flood: No Size: sand; Org: low; Str situs: alluvial; Float: granitici bedrock, no alteration or sulfides
2647=S	LHA1, E7, N2	1	0.2	1	5	20		Str wdth: 10-15; Av str dpth: 1/2-1; In flood no; Size: sand; Org: low; Str situs: alluvial; Float: granitic bedrock, granitic float, somewhat weathered, much grass
2648-S	LHA1, E7, N2	4	0.4	2	15	50		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: weathered granite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2649-S	LHA1 E7, N2	3	0.3	1	5	12		Str wdth: >25; Av str dpth: >2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: granitic bedrock, Float: granitic float no alteration or sulfides
2650-S	LHA2, E1, N1	61	0.8	2	15	76	Cd 0.8	Str wdth: <1; Av str dpth: dry; In flood: no; Size: clay; Org: high; Str situs: alluvial; Float: phyllite and some gneiss as float
2652-S	LHA2, E1, N1	82	0.6	2	15	90		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: phyllite with gneiss float, iron stain
2653-S E	LHA3, E13, N1	71	0.7	2	10	90		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: phyllite and migmatities iron staining
2654-S	LHA3, E13, N1	28	0.6	1	10	46		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock, phyllites migmitites, granitic diorite float, iron staining

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2655-S	LHA3, E12, N1	63	0.5	2	10	82		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: migmatites and phyllite, granitic float →possibly erratics, iron staining
2656-S	LHA3, E12, N1	52	0.4	2	10	62		Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: migmitite, phyllite, gneiss and granitic float, some iron staining
2657-S	LHA3, E12, N1	46	0.4	3	10	58		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: gneiss, aplite, augin gneiss, and granodiorite porbably glacial erratics
2658-S	LHA3, E12, N3	30	0.5	2	10	56		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: appears to be granitic → only float
2659-S	LCD1, E8, N14	350	0.8	42	20	68		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: colluvial; Bedrock: diorite; Float: diorite, some alteration along seams, galena visable
2660-S	LCD1, E9, N14	28	0.3	2	15	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite with diabase dikes epidote along seams, minor chalcopyrite along veins

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2661-S	LCD1, E8, N14	170	0.5	18	20	50		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite, epidote and very minor pyrite along seams, float same
2662-S	LCD1, E8, N15	13	0.3	1	15	44		Str wdth: <1; Av str dpth: dry; In flood: no; Size: silt; Org; low; Str situs: alluvial; Float: diorite with chalcopyrite along seams and fracture surfaces
2663-S	LCD1, E8, N15	28	0.2	2	10	18		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: granodiorit bedrock, granodiorite and diorite float, some epidote
2664-R	LHA2, E12, N6	31	0.2	48	5	10	Au -.1	Type: chip; Bedrock: yes; Float: meta sedim ments, highly brecciated quartzite, shales siltstones, sub-phylites, iron oxides abundant, minor pyrite, chalcopyrite, CaCO3
2665-R	LHA2, E13, N6	150	1.0	2	15	20	Au -.1 Pt -.01 Ni 37 Co 22 Cr 80	Type: chip; Bedrock: yes; Float: moderately serpentinized gabbro with serpentinite intense epidote, quartz and CaCO3 veinlets, minor disseminated pyrite and chalcopyrite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2526-S	LCD2, E2, N5	10	0.4	1	15	80		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: unaltered, hornblende, quartz diorite, float and drainage for comparison with nearby 2525 which contains much iron stained float as does 2524
2527-R	LCD2, E2, N6	10	0.3	4	20	86	Au -.1 As -10 Hg 30	Type: grab; Rubcrop: yes; Bedrock: hornblende quartz diorite; Sample from surface across 200' altered zone sheared quartz diorite with propylitic alteration quartz calcite vein fragments observed, but no ore minerals identifiec, Pb, Ag bearing
2528-S	LCD2, E2, N6	3	0.2	1	15	56		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite, Float: above 70% finer grained quartz diorite 25% hornfelsed volcanics 5%
2529-S	LCD2, E2, N7	9	0.4	1	20	120		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite; Float: above
2530-S	LCD2, E2, N7	4	0.2	1	25	84		Str wdth: 3-6; Av str dpth: 1/. 2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende quartz diorite, 80% 20% finer grained hornblende quartz diorite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2531-S	LCD2	40	0.6	3	20	102	Cd 0.2	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Bedrock: hornblende quartz diorite, 70% above, 30% volcanic hornfels
2532-S	LCD2, E1, N7	130	1.0	2	30	122		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: greenstone, siltstone, argillite; Bedrock: none observed
2533-S	LCD3, E12, N5	27	0.5	2	10	58		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: nearby exposures, granitic; Float: altered(propylitic)volcanics and diorite, intrusive breccia?
2534-S	LCD3, E12, N5	70	0.6	2	20	84		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: volcanics principally andesites; Float: above in area of sample iron stained rhyolite
2535-S	LCD3, E12, N6	73	0.5	2	20	80	Cd 0.2	Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende quartz diorite 40%, volcanics(mainly andesi 60%)

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2536-S	LCD3, E12, N7	160	0.8	2	25	100		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: graywacke and argillite; Float: graywacke dominating at head of creek. Float above 60%, hornblende quartz diorite, parbly exotic 40%
2537-S	LCD3, E11, N8	56	0.7	1	20	88		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: exotic morraine derived float predominantes, hornblende, propyliticly altered andesite, and with some argillite
2538-S	LCD3, E11, N7	60	0.5	2	20	96		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: andesite; Float: above and other volcanics
2539-S	LCD3, E10, N7	43	0.7	1	15	96		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: andesite, Float: andesite
2540-S	LCD3, E10, N6	48	0.4	5	25	120		Str wdth: 15-25; Av str dpth: 1/2-1; in flood no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: from morraine 80% granitic, see 2541, description

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2541-R	LCD3, E10, N6	500	9.5	1300	950	350	Au -.1 As 350	Type: grab; Float: yes; Hi graded: yes; Sample: vein material from terminal morraine 1 piece molybdenite, bearing quartz vein wit. no altered at vein margins, observed and sampled with quartz and quartz calcite veinlets, the last two appear barren.
2542-S	LHA2, E2, N3	75	0.7	4	15	102		Str wdth: 6-10; Av. str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: lightly to moderateli iron stained argillites and siltstones, some are slightly calcareous
2545-S	LCD2, E1, N11	20	0.4	1	15	68	Cd 1.7	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: alluvial; Float: diorite and granodiorite, no sulfides
2546-S	LCD2, E1, N11	14	0.4	1	15	64		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite and granodiorite, no sulfides somewhat weathered
2547-S	LCD2, E1, N12	22	0.6	1	15	44		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock and float, primarily diorite, no alteration or sulfides
2548-S	LCD3, E13, N12	22	0.4	2	15	56		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: allvuail; Float: consists of diorite and weathered granite with quartz vugs
2549-S	LCD3, E13, N12	14	0.2	2	15	52		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: rock and float primarily weahtered anc somewhat altered vuggy granite much sandy gruss quartz cavity fillings

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2550-S	LCD3, E13, N12	14	0.3	2	20	76		Str wdth: 3-6; Av str dpth: 1/2-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: bedrock — weathered, granite, some alteration, sandy gruss in stream and soils
2551-S	LCD3, E13, N13	14	0.3	2	20	64		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: is granitic(weathered)orthogneiss megmatites, and volcanic breccia less than 5%
2552-S	LCD3, E13, N12	25	0.3	1	10	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorites, orthogneiss, no sulfides or alteration
2553-S	LCD3, E13, N13	21	0.5	2	15	66		Strwdth: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock is fractured and weathered granodiorite, float is diorite and weathered granite, some orthogneiss
2554-S	LCD3, E12, N13	18	0.4	2	15	66		Str wdth: 3-6; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: weathered granodiorite, no alterati or sulfide migmitites and wxed granite in float
2555-S	LCD3, E12, N13	19	0.4	3	15	66		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: alluvial fan, wx granite, diorite float no sulfides

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2556-S	LCD3, E12, N14	15	0.2	1	15	52		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: end of alluvial fan, veiscular granitic float, diorite float, some migmatites
2557-S	LCD3, E13, N14	22	0.4	1	10	52		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite float, no sulfides or alteration
2558-R	LCD1, E6, N16	3	0.5	1	5	44	Sn -.01%	Type: chip; Rubcrop: yes; Float: granite and granite porphyry intruding diorite, diorite often as xenoliths, no alteration, some pegmatites
2559-R	LCD1, E6, N17	8	0.1	1	10	30	Ni 3 W -.005% Sn -.01%	Type: grab; Float: yes; Float description: bedrock is granite, some pegmatite with associated pyrite and epidote, sample is altered, has iron oxides and epidote
2560-D	LCD1, E6, N17	3	0.5	1	5	20		Depth: 0; Hor: C; Size: silt; Moist: medium; Color: green; Soil situs: glacial; Org: low; Froz: no; Float: granite with diorite xenoliths, sample is from glacial fines, no sulf some epidote

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2561-R	LCD2, E3, N9	40	0.6	2	10	42	As -10	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite(?); Float: meta sediment, a long the contact with quartz monzonite, it looks like a hornfels, some portions are pretty cooked up, in general is corugated and some basic magma cooked partially, sample and outcrop iron stained, some limonite in vugs, no ore dissemination at sight, a little hematite is found
2562-R	LCD2, E3, N9	5	0.1	1	20	16	As -10	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite; Float: quartz monzonite, equigranular, chlorite is slightly altered due to weathering, no ore dissemination, no hydrothermal alteration, in contact with meta sediments, there are some xenos of hornfels and metasediment, some dikes like fingers go into mafic sediments
2563-S	LCD2, E3, N8	39	0.5	1	10	66	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yex; Size: sand; Str situs: alluvial; Float: quartz monzonite 60%, with xenos of diorite and gabbro and shear quartz veinlets, meta sediments 40%, stream flows over morraine mafics
2564-S	LCD2, E2, N8	140	0.7	2	15	70	As -10	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Float: diorite 70%, metasediments, 30%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2565-S	LCD2, E2, N8	49	0.6	1	20	100	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite 50%, quartz monzonite, 30%, meta sediments, 20%
2566-S	LCD2, E1, N8	10	0.2	4	20	58	As -10	Str wdth: 3-6; Av str dpth: dry; Float: granite porphyry 70%, quartz monzonite, 15%, basic rocks, 15%
2567-S	LCD2, E2, N9	42	0.6	1	15	68	As -10	Str wdth: 3-6; Av str dpth: dry; Float: sample taken from dry stream, diorite, no evidence of ore dissemination
2568-S	LCD3, E1, N9	19	0.4	1	15	64	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, 90%, basic rocks, 10%
2569-S	LCD3, E13, N9	55	0.6	2	15	72	As -10	Str wdth: 3-6; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Float: granite 40%, diorite, 30%, meta sediments, 20%, basic rocks, 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2570-S	LCD3, E12, N10	25	0.6	2	15	50	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite 90%, quartz monzonite 10%
2571-R	LCD3, E13, N14	29	0.7	3	20	62	As -10	Type: chip; Bedrock: yes; Float: dacite, basic dacite, partially looks as a porphyry type rock, but it is a massive pluton, no ore dissemination, talus material, porphyry dacite and basic dacite
2572-R	LCD3, E12, N4	49	0.2	6	10	30	Au -.1	Type: chip; Bedrock: yes; Float: hornfels, some spare quartz veinlets, very silicified rock, no evidence of ore dissemination
2573-R	LCD3, E12, N3	6	0.1	4	30	28	Au -.1	Type: chip; Rubcrop: yes; Float: granite, equigranular, mafics altered due to weathering, no ore dissemination, no signal of hydrothermal alteration
2574-S	LCD3, E12, N3	240	1.3	7	40	140	As 150	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite
2575-S	LCD3, E11, N2	93	0.9	8	45	200	As 170	Str wdth: 1-3; Av str dpth: dry; Flood: no; Size: sand-clay; Str situs: alluvial; Bedrock: granite; Float: granite 50%, dacite 50%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2576-S	LCD3, E10, N3	110	0.8	7	20	102	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: granite 50%, dacite 50%
2577-R	LCD3, E11, N3	24	0.3	6	70	60	Au -.1	Type: chip; Bedrock: yes; Float: granite; coarse grained, hornblende crystals are large, no evidence of ore dissemination and hydrothermal alteration
2578 -S	LCD3, E10, N3	18	0.6	2	15	54	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: granite, taken from spring
2579-S	LCD3, E9, N3	20	0.5	2	15	58	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: sample was taken from spring down stream
2580-S	LHA2, E1, N5	415	1.1	14	15	220	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: silt; Str situs: alluvial; Bedrock: meta sediment; Float: meta sediment with sparse quartz veinlets 50%, basic dacite 25%, quartz monzonite (?) 25%, very spare quartz veinlets

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2581-S	LHA2, E1, N5	170	1.4	10	50	380	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite 60%, meta sediments, 25%, quartz monzonite, 15%
2582-R	LHA2, E1, N5	15	0.5	4	20	64		Type: chip; Rubcrop: yes; Bedrock: dacite; Float: diorite(?), equigranular, showing a minor pyrite dissemination, porphyritic texture, found on the side of the hill, partially covered with grass
2583-S	LHA2, E1, N5	130	1.0	5	20	98		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: daicte 80%, 15%, limestone 5
2584-S	LHA3, E13, N5	87	0.7	3	15	112	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock dacite; Float: all dacite, very basic, some fragments iron stained, a minor pyrite dissemination
2585-S	LH A3, E13, N5	75	0.6	4	15	88	As -10	Str wdth: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite 90%, limestone 10%
2586-R	LCD2, E3, N6	18	0.4	4	15	110	Au -.1 Sn -.02%	Type: grab; Float: yes; Bedrock: grab from talus cone with diorite and biotite schist cobbles; Float: minor iron stain in diorite around, blebs of chalcopyrite-pyrite- and Sn oxide(?)

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2587-R	LCD2, E4, N6	29	0.6	9	15	128	Au -.1	Type: grab; Float: yes; Float description: 200' long section of iron pyrite bearing stai meta sediment in medial portion of glacier
2588-R	LCD2, E4, N6	32	0.5	13	15	400	Au -.1	Type: chip; Bedrock: yes; Float: diorite breccia with fragments of schist, meta sediment(hornfels)andesite, porphyritic basalt, intense iron staining from biotite, Mt, pyrite and porphyry
2589-D	LCD2, E4, N6	31	1.3	22	30	158	Au -.1	Depth: 2; Hor: B; Size: sand-silt; Moist: medium; Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: in rock glacier, rock types, diorite, trandhjemite, occasiona meta sediment and schist
2590-S	LCD2, E4, N7	6	0.3	2	10	28	Au -.1	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: granodiorite to trojdhje mite and diorite and breccia from both, meta sediments rare
2591-S	LHA2, E3, N14	23	0.9	2	15	110	Au -.1	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: colluvial; Float: bedrock is biotite-pyroxene gabbro intruded by quartz monzonite to granite, trace pyrite in gabbro and minor iron staining, stream cobbles include above plus porphyry bearing meta sediments and schists(biotite-quartz schist

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2592-R	LHA2, E2, N14	14	0.4	3	10	60	Au -.1	Type: chip; Bedrock: yes; Float: biotite-pyroxenite gabbro with minor pyrite including 1/2" pegmatite vein
2593-D	LHA2, E2, N13	18	0.8	1	15	62	Au -.1	Depth: 4 inches; Hor: B; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: medium; Froz: no;Float: soil is from granite talus cone
2594-S	LHA2, E2, N13	37	0.5	2	10	98	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Float: diorite to gabbro quartz biotite quartz schist, iron staining and 10% stream
2595-R	LHA2, E1, N13	92	1.0	5	10	140	Au -.1	Type: chip; Bedrock: yes; Float: iron stain muscovite biotite quartz schist intruded by monzonite granite
2596-S	LHA2, E1, N13	59	0.9	3	15	142	Au -.1	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Float: slate and diorite cobbles
2597-S	LHA2, E1, N13	54	0.7	2	15	130	Au -.1	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: slate and diorite cobbles

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2598-S	LHA2, E1, N13	40	0.5	1	10	56	Au -.1	Str wdth: 1-3; Av str dpth: o-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: biotite gabbro bedrock stream cobbles include above and granite and meta siltstone
2599-R	LCD2, E4, N7	82	0.9	10	210	500	Au -.1	Type: chip; Bedrock: yes; Float: 3-8' wide shear zone in gneissic(re crystallized) meta sediments(schists) iron oxides sericite, vertical dip striking N65E, schists are brecciated with minor diorite matrix
2600-S	LCD2, E3, N10	61	0.4	2	20	114	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: colluvial; Float: propylitically altered diorite, gabbro and meta sediments
2601-R	LCD2, E4, N19	64	0.6	1	20	64	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt-gravel; Org: medium; Str situs: colluvial; Float: minor epidote in chlorite, granodiorite(bluish) gabbro and (brecciated by diorite)
2602-R	LHA1, E7, N1	1	0.2	2	5	16	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: 2 feldspar biotite granite with minor decomposition of whitish feld, joint system, N70E, vertical dip, minor decomposition along some joints
2603-R	LHA1, E7, N1	18	1.2	3	65	132	Au -.1	Type: chip; Bedrock: yes; Float: basalt dike 10' wide N80W70SW in granite, with trace sulfides, some phenocrysts altered to calcite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2604-R	LHA1, E8, N1	14	0.1	6	5	20	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: 2 feldspar biotite granite sample contains some granite(decomposed)from shear zone-minor sericite and iron oxides
2605-S	LHA1, E8, N2	1	0.1	3	5	12	Au -.1 W 12	Str wdth: 6=10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt-clay; Org: low; Str situs: glacial; Float: cobbles 2 feldspar biotite granite minor basalt and andesite
2606-R	LHA1, E8, N2	1	0.1	1	5	12	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: biotite, 2 feldspar biotite granite, strong micro jointing →partial mechanical destruction
2607-R	LHA1, E8, N2	14	0.7	2	10	62	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: gouge zone with decomposed granite and basalt
2608-R	LHA1, E8, N3	2	0.3	5	15	12	Au -.1 W -.005%	Type: chip; Bedrock: yes; Float: very decomposed granite, all minerals altered except quart feldspars →clay(green)biotite →iron oxide +
2609-S	LHA1, E9, N3	1	0.1	1	5	8	Au -.1 W 7	Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: glacial; Float: cobbles, granite diorite, basalt

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2610-S	LHA1, E5, N4	11	1.0	-1	25	22	Au -.1 Ni 2000 Pt -.01 Co 90	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: gravel-s sand-silt; Org: medium; Str situs: alluvial; Float: serpentinite float, minor asbestos and sulfides in moderately serpentinized rock
2611-S	LHA3, E13, N5	73	0.7	5	15	92	As -10	Str wdth: 6-10; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Float: quartz monzonite with quartz veins 20%, dacite 70%, limestone 5%, meta sediment 5%
2612-R	LHA1, E10, N10	3	0.1	1	6	18	As -10	Type: chip; Bedrock: yes; Bedrock description: quartz monzonite; Float: quartz monzonite, coarse grained, xenos of diorite and gabbro, some vugs are filled with orthoclase, hornblende and quartz crystals, no ore dissemination at sight, no hydrothermal alteration
2613-S	LHA1, E10, N10	4	0.3	11	14	30		Str wdth: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz monzonite; Float: water flows on a vertical wall forming a small stream 1/2' wide
2614-S	LHA1, E10, N10	5	0.1	3	20	48		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: quartz monzonite; Float: quartz monzonite 70%, alaskite 30%

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2615-R	LHA1, E10, N11	3	0.1	3	6	12	As -10	Type: chip; Bedrock: yes; Float: alaskite, some fingers of quartz monzonite go into it, very fine grained rock, no ore dissemination no hydrothermal alteration
2616-S	LHA1, E10, N11	4	-.1	3	14	40	Au -.1	Str wdth: 6-10; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Float: alaskite 30%, quartz monzonite 70%
2617-S	LHA1, E6, N14	14	0.2	11	20	54	Au -.1	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: granite, all float is granitic
2618-S	LHA1, E6, N15	5	0.2	2	24	38	As -10	Float: granite
2619-R	LHA1, E6, N13,	2	-.1	2	8	52	As -10	Type: chip; Bedrock: yes; Bedrock description: rhyolite recrystalized rhyolite; Float; strongly recrystalized rock, no ore dissemination, no hydrothermal alteration

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2620-R	LHA1, E5, N15	3	0.1	1	8	54		Type: chip; Bedrock: yes; Float: alaskite, some dikes of gabbro ore noticed, xenos of gabbro and biotite diorite, no ore dissemination at sight, no hydrothermal alteration
2621-S-~~R~~	LHA2, E2, N3	97	1.1	7	30	146		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: low; Str situs: alluvial Bedrock: siltstone with some argillite with moderate to heavy iron staining; Float: above with 15% diorite; Special spl notes: sample of coarse sedimentsno fines available average size about 1.5 mm with some sand and clayfines
2622-R	LHA2, E2, N3	110	2.4	49	15	860	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Sample: collection of most heavily iron stained float from same site as 2621
2623-S	LHA2, E2, N3	120	0.8	1	10	102		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: heavily iron staind argillite with up to 5% pyrite in fractures and in disseminations; Float: siltstone, gray-light gray

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2624-S	~~LHA2~~, E1, N3	60	0.8	4	10	108		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite, 90% siltstone, 10% above; Float: sample below diorite, siltstone contact abou 500'
2625-S	LHA2, E1, N3	73	0.7	5	15	156		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: hornblende quartz diorite, float above
2626-S	LHA2, E1, N3	67	0.6	2	15	122		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: hornblende quartz monzonite with blckey K-spar phenocrysts; Float: above with few blocks of very mafic diorite(inclusions)
2627-S	LHA2, E1, N3	37	0.3	1	10	52		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Str situs: alluvial; Bedrock: hornblende quartz monzonite; Float: above
2628-S	LHA3, E13, N3	51	0.5	1	10	56		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende quartz monzonite 90%, meta sediments and hornfels 10% Bedrock: none observed

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2629-R	LHA1, E3, N11	4	1.4	14	10	150	W -.002% Sn -.0025% Cd 0.4	Type: grab; Float: yes; Sample: plagioclase magnetite quartz rock approx 60%, magnetit 30% plagiociase 10% quartz accessory pyrit
2631-S	LHA1, E7, N10	20	0.2	5	44	134	W -.002% Sn -.0025% Cd 0.7	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: fine-coarse grained biotite granite, a few (<1%)cobbles heavily Mn stained, contain pla·ty black magnetic mineral(specular hematite)
2632-R	LHA1, E7, N10	3	-.1	4	18	560	Au -.1 W -.005% Sn -.02%	Type: grab; Float: yes; Float description: fine to coarse-graind biotite granite, a few (<1%)cobbles heavily Mn stained, contain platy black magnetic mineral(specular hematite) (sample)
2633-R	LHA1, E7, N10	6	0.7	3	92	2200	Au -.1 As -10 W -.005% Sn -.02%	Type: grab; Float: yes; Float description: fine - coarse grained biotite granite, a few(<1%) cobbles heavily Mn stained contain platy black magnetic mineral (specular hematite) (sample)
2634-S	LHA1, E7, N11	17	0.3	6	22	90		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: medium-coarse grained biotite granite
2635-S	LHA1, E7, N11	11	0.3	8	18	48		Av str dpth: dry; Size: sand-silt; Org: mediu Str situs: alluvial; Float: medium-coarse grained biotite granite
2636-S	LHA1, E8, N11	14	0.2	5	26	74	Cd 0.4	Str wdth: 10-15; Av str dpth: 1/2-1; In flooc no; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrcok-Float: medium-coarse grained biotite granite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2637-S	LHA1, E2, N16	9	0.3	2	12	42		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: granodiorite with many xenoliths of diorite, Float: granite to granodiorite, pegmatitic to very fine grained, containing xenoliths of quartz diorite and diorite, rock types intermixed
2638-S	LHA1, E2, N15	14	1.7	6	18	54		Str wdth: <1; Av str dpth: 0-1/2; In flood: no Size: sand; Org: medium; Str situs: colluvial-alluvial; Float: granite to granodiorite, fine grained to pegmatitic, with xenoliths of diorite and quartz diorite rock types intermixed
2639=S	LHA1, E3, N15	13	1.1	19	120	118		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: fine grained to pegmatitic granite to granodiorite with xenoliths of diorite and quartz diorite, rock types intermixed 5% of rock Mn stained
2640-R	LHA1, E3, N15	5	0.4	6	48	82	Au -.1 W -.005%	Type: grab; Float: yes; Float description: fine grained to pegmatitic granite to granodiorite with xenoliths of diorite and quartz diorite rock types intermixed 5% Mn stained sample - Mn stained granodiorite with black mineral with metallic luster
2641-S	LCD1, E6, N17	5	0.5	1	5	36	W -.002% Sn -.0025% Cd 0.8	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: colluvial; Bedrock: rock is primarily diorite, some alteration and associated pyrite and epidote localized along veins, seems to be a gradational contact between granite and

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2642-R	LCD1, E6, N18	6	0.3	6	10	18	W -.005% Sn -.01% Ni 5	Type: grab; Float: yes; Float description: bedrock is coarse grained granite, a few xenoliths sample in somewhat altered
2643-S 1	LHA1, E6, N1	1	0.4	1	5	22	W 5 Sn -10 Ni 5	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: granite, some alteration, no sulfides, sample is from proglivial strea:
2644-S	LHA1, E6, N1	3	0.4	1	10	30		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: coarse granite, shows some dissemination, pyrite
2645-R	LHA1, E6, N1	23	0.2	3	5	10	Sn -.01% Ni 5	Type: chip; Rubcrop: yes; Float: altered coarse granite, has quartz vugs and also shows some bromite
2646-S	LHA1, E7, N1	3	0.3	1	10	38		Str wdth: 6-10; Av str dpth: dry; In flood: No Size: sand; Org: low; Str situs: alluvial; Float: granitici bedrock, no alteration or sulfides
2647=S	LHA1, E7, N2	1	0.2	1	5	20		Str wdth: 10-15; Av str dpth: 1/2-1; In flood no; Size: sand; Org: low; Str situs: alluvial; Float: granitic bedrock, granitic float, somewhat weathered, much grass
2648-S	LHA1, E7, N2	4	0.4	2	15	50		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: weathered granite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2649-S	LHA1 E7, N2	3	0.3	1	5	12		Str wdth: >25; Av str dpth: >2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: granitic bedrock, Float: granitic float no alteration or sulfides
2650-S	LHA2, E1, N1	61	0.8	2	15	76	Cd 0.8	Str wdth: <1; Av str dpth: dry; In flood: no; Size: clay; Org: high; Str situs: alluvial; Float: phyllite and some gneiss as float
2652-S	LHA2, E1, N1	82	0.6	2	15	90		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: phyllite with gneiss float, iron stain
2653-S E	LHA3, E13, N1	71	0.7	2	10	90		Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: phyllite and migmatities iron staining
2654-S	LHA3, E13, N1	28	0.6	1	10	46		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock, phyllites migmitites, granitic diorite float, iron staining

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2655-S	LHA3, E12, N1	63	0.5	2	10	82		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: migmatites and phyllite, granitic float →possibly erratics, iron staining
2656-S	LHA3, E12, N1	52	0.4	2	10	62		Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: migmitite, phyllite, gneiss and granitic float, some iron staining
2657-S	LHA3, E12, N1	46	0.4	3	10	58		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: gneiss, aplite, augin gneiss, and granodiorite porbably glacial erratics
2658-S	LHA3, E12, N3	30	0.5	2	10	56		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: appears to be granitic → only float
2659-S	LCD1, E8, N14	350	0.8	42	20	68		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: colluvial; Bedrock: diorite; Float: diorite, some alteration along seams, galena visable
2660-S	LCD1, E9, N14	28	0.3	2	15	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite with diabase dikes epidote along seams, minor chalcopyrite along veins

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2661-S	LCD1, E8, N14	170	0.5	18	20	50		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite, epidote and very minor pyrite along seams, float same
2662-S	LCD1, E8, N15	13	0.3	1	15	44		Str wdth: <1; Av str dpth: dry; In flood: no; Size: silt; Org; low; Str situs: alluvial; Float: diorite with chalcopyrite along seams and fracture surfaces
2663-S	LCD1, E8, N15	28	0.2	2	10	18		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: granodiorit bedrock, granodiorite and diorite float, some epidote
2664-R	LHA2, E12, N6	31	0.2	48	5	10	Au -.1	Type: chip; Bedrock: yes; Float: meta sedim ments, highly brecciated quartzite, shales siltstones, sub-phylites, iron oxides abundant, minor pyrite, chalcopyrite, CaCO3
2665-R	LHA2, E13, N6	150	1.0	2	15	20	Au -.1 Pt -.01 Ni 37 Co 22 Cr 80	Type: chip; Bedrock: yes; Float: moderately serpentinized gabbro with serpentinite intense epidote, quartz and CaCO3 veinlets, minor disseminated pyrite and chalcopyrite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2666-R	LHA2, E13, N6	39	0.6	1	10	22	Au -.1 Pt -.01 Ni 23 Co 20 Cr 61	Type: chip; Bedrock: yes; Float: moderately serpentinized gabbro-epidote strong and abundant, quartz and calcite veinlets, minor asbestos and moderate serpentine
2667-R	LHA2, E13, N6	41	0.8	4	25	72	Au -.1	Type: chip; Bedrock: yes; Float: phyllite dark gray minor iron staining, occasional quartz bleb
2668-R	LHA2, E11, N5	105	0.6	20	12	48	Au -.1	Type: chip; Bedrock: yes; Float: iron stained silicified meta siltstones with occasional blebs of pyrite and porphyry
2669-R	LHA2, E11, N5	14	0.2	168	12	44	Au 0.1	Type: grab; Float: yes; Float description: quartz veined rhyolite, iron stained and moly disseminated in quartz veins, Mn stain strong
2670-D	LHA2, E11, N6	146	0.4	12	22	128	Au -.1	Depth: 2 inches; Hor: B; Size: sand-silt-clay; Moist: wet; Color: brown; Soil situs: residual; Org: low; Froz: no; Float: orange brown soil developed on iron stained silicified meta siltstone

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2671-D	LCD2, E6, N6	16	3.8	1	25	90		Depth: 3 inches; Size: sand-silt;Moistmediu Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: quartz diorite and diorite, ranging through to gabbro, a little chlorite on fractures, less than 5% fine grained basalt dikes
2672-D	LCD2, E6, N6	24	0.5	1	10	52		Depth: 3 inches; Size: sand-silt; Moist: wet; Color: brown; Soil situs: frost boil; Froz: yes-no ; Float: 70% andesite volcanics and volcanigenic sandstone, chlorite-epidote altered weakly pyritic, 35% hornfelsed siltstones, very weakly pyritic
2673-S	LCD2, E6, N6	27	0.6	1	10	68		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: predominantly hornfelsed siltstones and sandstones and cgt containing sediments and volcanic fragments, andesite volcanics, both chlorite and epidote altered pyritic(1-2%), rhyolitic tuff float nearby
2674-R	LCD2, E6, N6	150	1.4	3	10	54	Au -.1 As -10	Type: chip; Float: yes; Float: 100% limonite stained equigramular, medium grained diorite (some maybe just into quartz diorite) 1/2% pyrite dissmination and on fractures, represents chip sample from morraine

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2675-R	LCD2, E6, N7	7	0.2	1	5	20		Type: chip; Float: yes; Float description: very coarse grained equigranular quartz biotite diorite, no mineralization, minor coarse grained granodiorite
2676-S	LCD2, E6, N7	13	0.6	1	10	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: residual; Float: same as 2675
2677-S	LCD2, E5, N7	8	0.6	1	30	60		Str wdth: >25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 95% and medium grained equigranular hornblende-biotite-diorite up to 1% pyrite dissemination and on frastures, i.e. as for 2674, minor chloritize andesite
2678-S	LCD2, E5, N7	5	0.4	3	15	50		Str wdth: >25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 40% diorite as for 2677, 55% coarse-medium grained equigranular quartz-biotite-diorite, not as much pyrite (biotite) minor quartz diorite, porphyry, barren <5% andesite, basalt, chlorite, altered

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2679-S	LCD2, E6, N8	4	0.3	1	5	32		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: predominantly coarse-very coarse grained quartz biotite, diorite, also equigranular granodiorite
2680-S	LCD2, E5, N2	4	0.2	1	5	16	As -10	Str wdth: 10-15; Av str dpth: 0-1/2; In flooc no; Size: sand-silt; Org: low; Str situs: bedrock; Bedrock decription: outcrop and 50% float, coarse grained quartz diorite with 1% pyrite or porphyry dissemination, as seen in 55% part of 2678, 50% float coarse grained unmineralized quartz diorite
2681-S	LCD2, E5, N8	2	0.3	1	5	16	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: outcrop as for 2680, float also the sa me bu only 20% mineralized with pyrite or porphyr
2682-S	LCD2, E4, N8	1	0.3	1	5	20		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Float: outcrop and float is coarse grained, equigranular, quartz biotite diorite, unmineralized
2683-S	LCD2, E4, N9	2	0.4	1	10	34		S tr wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: col luvial-alluvial; Float: coarse graire d unmineraliz ed quartz biotite diorite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2684-S	LCD1, E5, N16	22	0.5	1	10	52		Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 70% medium-coarse grained diorite, 30% coars-medium grained, equi-granular quartz monzonite.
2685-D	LCD1, E6, N17	3	0.3	2	10	54	As -10 W 4	Depth: 3 inches; Size: gravel-sand; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: 100% coarse-very coarse grained(biotite)monzoni unaltered-unmineralized
2686-D	LHA1, E6, N1	3	0.3	1	10	46		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fine Org: low; Froz: no; Float: as for 2685
2687-S	LHA1, E6, N1	5	0.5	2	25	46	As -10 W 5 Sn -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock-Float: coarse grained equigranular quartz monzonite as for 2685, but 10-20% of float(local areas in outcrop) has plagioclase feldspars altered to a green clay, no sulfides seen, 5% chloritzed andesite to rhyodacite dike rich
2688-S	LHA1, E6, N1	4	0.4	2	15	36	As -10 W 6 Sn -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Float: 98% coarse grained quartz monzonite as for 2685 but up to 5% shows plagioclase → green clay, 2% andesite, rhyodacite dikes rocks

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2689-S	LHA1, E6, N2	4	0.6	3	20	50	As -10 W 8 Sn -10	Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: coarse grained equigranular quartz(biotite)monzonite, approximately 5% of intrusives show alteration of plagioclase to green clay mineral
2690-D	LHA1, E7, N2	8	0.5	3	10	48	As -10 W 10 Sn -10	Depth: 3 inches; Hor: B; Size: sand-silt; Moist: medium; Color: brown ; Soil situs: colluvial-talus fines; Org: low; Froz: no; Float: 95% quartz(biotite) monzonite coarse grained equigranular as for 2685, no alteration as seen in 2687-9, 5% hornblende porphyry andesite, chlorite altered rhyodacite or andesite, clay altered porphyry, see H.S.
2691-D	LHA1, E7, N3	14	0.4	2	10	36		Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial-talus fines; Org: medium-low; Froz: no; Float: 100% coarse-grained-very coarse grained equigranular quartz(biotite)monzonit- rare boulders with plagioclase showing clay alteredation, otherwise no alteration or mineralization
2692-D	LHA1, E7, N3	11	1.0	2	20	30		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: medium; Froz: no; Float: 100% coarse grained equigranular, quartz monzonite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2693-S	LCD2, E2, N8	20	0.7	2	20	98	As -10 W 3	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: 65% diorite (feldspar) quartz-hornblende-biotite diorite, lesser hornblende gabbro, epidote on fractures, 35% coarse grained equigranular quartz monzonite showing weak alteration, trace disseminated pyrite, some diorite and Q/M intrusive breccia
2694-D	LCD2, E2, N8	17	0.7	1	80	106	As -10 W 2	Depth: 3 inches; Hor: B; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Bedrock: 100% coarse grained equigranular pale yellow hornblende granite
2695-S	LCD2, E2, N8	5	0.3	1	20	104	As -10 W 3	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt;Org: low; Str situs: alluvial; Float: 95% coarse grained equigranular hornblende granite 10-20% of it shows chlorite-hematite alteration, some MnO on fractures, alteration is of more highly fractured rocks, 5% chlorite-altered fine grained andesite
2696=S	LCD2, E1, N8	39	0.8	2	40	124	As -10 W 5	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: outcrop and 60% float is siltstone and sandstone, predominantly volcanogenic, highly fractured 30% coarse grained hornblende granite, 10% medium-coarse grained equigranular diorite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2697=S	LCD2, E1, N8	11	0.5	2	25	110	As -10 W 4	Str wdth: 6-10; Av s tr dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: with bank of creek 10% float, basalt andesite volcanics and associated volcanic sediments, $CaCO_3$ on fractures, chlorite alteration , east bank and 80%? float highly fractured(in outcrop) hornblende granite, also minor granodiorite, and quartz monzonite float
2698-S	LCD2, E1, N8	280	0.7	2	15	86		Str wdth: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: colluvial-bedrock; Float: outcrop chloritizec diorite with trace porphyry, float mixture((gabbro)diorite, dolenite, basalt and bassic volcanic sediments, some iron stain due to fine grained disseminated porphyry sediments etc.
2699-S	LCD3, E13, N8	79	1.1	1	25	98		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: outcrop, chloritizec gabbro, float, gabbro basalt and andesite (50%) and sediments, some andesite, has 1/2% disseminated pyrite
2700-S	LHA2, E8, N2	1	0.3	1	5	18	As -10 W 3	Str wdth: 10-15; Av s tr dpth: 1/2-1; In flooc no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 100% coarse grained equi-granular quartz biotite, diorite, more chlori epidote alteration, rare K-spar veins

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2701-S	LHA2, E8, N2	11	1.0	1	10	48	As -10 W 4	Str wdth: 3-6; Av str dpth: dry; In flood: no; size: sand-silt; Org: low; Str situs: alluvial; Float: 92% coarse grained equigranular quart: hornblende biotite diorite, 3% limonite stained quartz hornblende, biotite diorite with biotite ⟶ muscovite and feldspar ⟶ sericite and or clay, limonite stain possibly due to breakdown of biotite (in part) 5% pale green chloritized andesite
2702-S	LHA2, E8, N3	48	0.4	1	10	30	As -10 W 5	Str wdth: 15-25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: outcrop is predomina ly dolerite, aslo rhyodacite, biotite schist and siltst one (either pyrite or porphyry and a trace of chalcopyrite) altered apparently horn felsed, float: 25% coarse grained equigranula quartz diorite and diorite, 75% various hornfelsed metasediments, 50% of those are chlorite altered, and probablyoriginally basic volcahogenic sediments, chlorite-epidote on fractures, 1/2% white marble, trace skarm, also meta quartzite
2703-S	LHA2, E7, N3	150	1.2	8	20	52	Cd 0.4 As -10 W 3	Str wdth: 10-15; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 25% coarse grained equigranular quartz diorite, 75% hornfelsed sediments and intermediate to basic volcanics, 3% is white crystalline marble, pyrite or pyrrhotite in some homfels

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2704-D	LHA2, E7, N3	160	0.7	2	10	56	As -10 W 4	Depth: 3 inches; Hor: B; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: 25% coarse grained equigranular quartz diorite, 75% hornfelsed sediments and basic volcanics, chlorite-epidote alterations and up to 5% porphyry or pyrite in some boulder 1% limestone float
2705-D	LHA2, E7, N4	190	0.9	3	15	60	As -10 W 4 Sn -10	Depth: 3 inches; Hor: B; Size: sand-zilt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: 5% medium-coarse grained dolerite and gabbro 95% hornfelsed volcanics-predominantly an site, 50% of float in iron stained, limeston and andesite outcrop between 2704 and 270
2706-S	LHA2, E6, N5	9	0.3	2	5	30	As -10 W 8	Str wdth: >25; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvia Float: 95% quartz diorite and lesser quartz monzonite, 5% biotite hornfels and chlorite this is perhpas after int, basic volcanics
2707-S	LCD3, E13, N9	47	0.5	2	20	86		Av s tr dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 50% coarse grained granite, 45% basalt gabbro and basic intermediate volcanic sediments and siltstone, 5% hornblende diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2708-S	LCD3, E13, N9	44	0.6	2	25	80	Cd 0.1	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial Float: 40% coarse grained granite of various textures; 30% beown indurated siltstone, fractured, quartz veined, 10% andesitic and basalt volcanics, 20% volcan sediments, chlorite altered
2709-R	LCD3, E12, N9	41	0.8	3	20	84		Type: chip; Float: yes; Float description: pale green volcanogenic sandstones and siltstones, represents sample of talus fines
2710-S	LHA2, E13, N6	62	0.7	1	18	96	Cd 0.6 W -.002% Sn -.0025%	Strrwdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: predominantly phyllites, rare limestone, outcrop beneath toe of glacier is chlorite-epidote altered volcanogenics, sediments, basalt
2711-R	LHA2, E13, N6	8	0.3	1	20	26		Type: chip; Float: yes; Bedrock: represents rock chip of float spilling off an intrusive body outcropping over 200' on north slope of valley above confluence of 2 glaciers medium grained biotite(altered)equigranular (granodiorite?) about 1/2% disseminated pyrite scattered 2/10'?? barren quartz veins, locally very weak quartz sericite alteration

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2712-R	LHA2, E3, N6	1900	1.0	15	12	62		Type: grab; Float: yes; Hi graded: yes; Float description: hi graded sample of pyrrhotite(about 1%) and chalcopyrite(trace 1/4%) bearing chlorite and altered fine grain basalt or volcanic sediments, some gabbro dolinite, closely associated with mineralization so may be contact effect? trace sphalerite and or galen noted
2713-R	LHA2, E 13, N7	110	0.4	10	28	76		Type: grab; Bedrock: yes; Hi graded: yes; Bedrock description: interbedded meta cherts and phyllites str 040o/80o E(about 50/50?) perhaps 5% of outcrop limonite stained due to pyrite and pyrrhotite around small shears and quartz veins, sample is hi graded from the limonitically stained portions of outcrop
2714-S	LCD2, E12, N15	88	0.4	63	12	42	As -10 W 10 Sn -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Bedrock description: outcrop and about 60% float is coarse grained biotite granite, much of it has 1/4(-5%) pyrite dissemination on fractures and destroyed biotite some has 1/16"-1/4" quartz veins with MoS2(50-500 ppm) or chalcopyrite and pyrrhotite, also some disseminated MoS2, there is rare strong quartz sericite alteratic some boulders show femmolydite, note: no mineralization, outcrop here, test of floa quartz diorite, granodiorite with pyrite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2715-R	LCD2, E12, N15	12	-.1	3	6	24	As -10 W -.05% Sn -.02%	Type: grab; Bedrock: yes; Bedrock description: background geochem rock chip some outcrop at mouth of stream, 2714, coarse grained equigranular, biotite granite, no mineralization or alteration, moderately fractured(H.S.)
2716-S	LCD2, E12, N15	110	0.4	31	12	42	As -10 W 7 Sn -10	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: bedrock; Float: 80% coarse grained equigranular, biotite granote as for 2715, some dissemination pyrite common scattere quartz veins a few carrying MoS2, 20% quar
2717-S	LCD2	23	0.1	5	8	34	W 7 Sn -10	biotite diorite with disseminated pyrite and quartz veins, MoS2, seen in these
2718-S	LCD2, E6, N4	16	0.1	1	2	46		Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: predominantly diorite and quartz diorite, coarseequigranular some intrusive breccia also some quartz monzonite(?)
2719-S	LCD2, E6, N4	15	0.1	1	2	40		Str wdth:< 1; Av str dpth: 0-1/2; In flood: yes; Size: silt; Org: low; Str situs: glacial; Float: no outcrop or float, soley silt washe down a the glacier ice
2720-S	LCD2, E6, N3	19	0.1	1	4	58		Str wdth:<1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: g glacial; Float: sedimentary breccia, chert siltstone and andesite fragments up to 2" angular, to subrounded, minor siltstone dark gray, all moderately hornfelsed

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2721-S	LCD2, E6, N3	16	0.1	1	12	72		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: predominantly breccia-cgt(as for 2720) and siltstone in float, also volcanic sediments, andesitic volcanics, outcrop nearby
2722-S	LCD2, E6, N2	20	0.3	1	16	54		Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: high; Str situs: bedrock; Bedrock description: outcrop is basalt with weak-moderately chlorite-epidote alteration, float predominantly basalt but also minor sedimentary
2723-S	LCD2, E5, N2	12	0.2	1	14	80		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: basalt outcrop, predominantly basalt and andesite volcanics in float, but also rhyolite, cgt breccia, and siltstone in lesser amounts, much volcanic sediments in float also, only trace amounts pyrite
2724-D	LCD2, E6, N1	40	0.4	1	10	70		Depth: 3 inches; Moist: medium; Color: white-brown; Soil situs: colluvial-talus fines; Org: low; Froz: no; Float: predominant basic volcanic sediments but also andesite and basalt volcanics, no significar mineralization
2725-R	LHB1, E5, N15	19	0.3	32	60	600	Au -.1	Type: chip; Bedrock: yes; Hi graded: yes; Float: Mn-iron stained area in outcrop of quartz monzonite, minor chloritization silicification, limonite strong, goeth minor minor sericite, no sulfides visible

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2726-R	LHB1, E5, N15	6	0.1	3	10	28	Au -.1	Type: grab; Rubcrop: yes; Float: iron staine biotite-quartz monzonite
2727-D	LHB1, E6, N15	96	2.1	8	78	102	Au -.1	Depth: 1 inch; Hor: B; Size: sand-silt-clay; Moist: wet; Color: orange; Soil situs: residu Org: low; Froz: no; Float: 504 on ridge, decomposed from iron stainedbiotite granite(to monzonite?)
2728-R	LHB1, E6, N15	38	0.1	4	34	88	Au -.1	Type: grab; Float: yes; Float description: talus float of iron stained granodiorite 1" sg talus
2731-R	LHA1, E3, N15	12	-.1	10	6	10	Au -.1	Type: grab; Float: yes; Bedrock-Float: fine to coarse-grained granite with a few xenoliths of quartz diorite and diorite, some iron staining, sample-iron stained granite
2732-R	LHB2, E9, N15	5	-.1	3	-2	10	Au -.1	Type: grab; Float: yes; Float description: iron stained siltstone and black shale small amount of vein quartz (sample) less than 1% dacite porphyry
2733-S	LHB2, E9, N16	62	0.8	1	20	130		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size:sand-silt;Org: low; Str situs: glacial; Float: siltstone and black shale cut by quartz veinlets, some rock iron stained less than 1% dacite porphyry(dike) some siltstone and shale brecciated
2734-S	LHB2, E10, N16	48	0.3	1	12	102		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Bedrock: interbedded black siltston and shale with iron stain cut by quartz veins, float: same as abovel less than

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2735-S	LHB2, E10, N16	140	2.2	5	54	220		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 75% black siltstone and shale, some cut by quartz veins, iron stain 25% porphyritic granodiorite with fine grained disseminated sulfides
2736-R	LHB2, E10, N16	59	0.3	3	12	78	Au -.1	Type: grab; Float: yes; Float description: 75% black siltstone and shale, some cut by quartz veins, iron stain, 25% porphyritic granodiorite with fine grained disseminated sulfide(sample)
2738=R	LCC2, E1, N15	86	1.0	20	10	102	Au -.1	Type: grab; Bedrock: yes; Bedrock-Float: limestone with calcite veinlets and iron stain, sample - iron stained limestone from vertical iron stained zone 15 feet wide
2739-S	LCC2, E1, N15	70	0.6	2	10	70	As -10	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 50% cream to dark gray limestone with calcite veinlets, some is iron stained, 50% dacite porphyry
2740=S	LHA1, E3, N11	30	0.1	8	12	34		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Float: biotite quartz monzonite 90%, aplite 5% other granitic rocks 5%; Bedrock: biotite quartz monzonite
2741-S	LHA,1 E3, N11	21	0.4	6	24	52		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: clay; Org: low; Str situs: glacial; Bedrock: none observed; Float: argillicly altered quartz monzonite, ca spots white secondary Mn minerals on fractures

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2742-R	LHA1, E3, N11	5	0.1	31	8	14		Type: grab; Rubcrop: yes; Sample: argillicly altered weakly iron stained float, quartz monzonite parient rocks alterations weak
2743-S	LHA1, E4, N10	13	0.2	6	68	84		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite; Float: biotite quartz monzonite approximately 20% float is mildly argillicly altered and lightly iron stained
2744-R	LHA1, E4, N11	3	0.2	2	30	24		Type: grab; Float: yes; Hi graded: yes; Sample: composit collection of iron stained quartz monzonite, some fragments sericitly altered most are argillicly altered
2745-R	LHA1, E4, N10	5	0.1	552	8	10		Type: grab; Float: yes; Hi gradedd: Yes; Sample" biotite quartz monzonite with molybdenite on joint face, very little alteration or iron staining, hand specimen taken
2746-S	LHA1, E4, n10	22	0.6	88	24	64		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite, pyrite and molybdenite observed on joint faces near sample site

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2747-S	LHA1, E4, N12	14	0.3	12	14	44		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: monzonite with numerous diorite inclusions and miolmatite
2748-S	LHA1, E4, N12	28	0.2	12	12	40		Str wdth: < 1; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Bedrock: none observed; Float: quartz monzonite-diorite about 50% monzonite, lightly to moderately iron stained
2749-S	LHA1, E4, N12	8	0.2	4	12	24		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: biotite quartz diorite with an almost aplitic appearing groundmass; Float: 40% quartz monzonite 40% above, 10% diorite, 10% hybred intrusive rocks and other granitics
2750-R	LHA1, E10, N14	390	10.2	4	16	174	Au 0.2 As -10 W -.005%	Type: grab; Float: yes; Bedrock: graywacke and argillite with chlorite and epidote hornfels; Sample: quartz vein float containing up to 5% fine to very fine grained pyrite float probably represent, a 6" vein
2751-S	LCD3 E13, N27	64	0.7	2	10	62		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Orb: low; Str situs: alluvial; Float: detrius 50% pyrrhotic siltstone and schist and 35% melanecrotic diorite, 25% leucocratic diorite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2752-R	LCD1, E6, N14	29	0.6	1	10	28	Au -.1 Ni 12	Type: grab; Float: representative sample of talus of medium grained hornblende gabbro with less than 1% disseminated pyrite, gabbro is cut by coarse grained biotite granite
2753-S	LCD1 E6, N14	8	0.3	3	10	46		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus fines from local area in large granite pluton, biotite are locally bleached along sparce shear planes
2754-S	LCD1, E6, N15	4	0.1	3	8	42		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Float: talus fines of biotite granite, biotite material altered and rock weakly veined by sederite and minor quartz
2755-S	LCD1, E6, N15	5	0.2	1	8	44		Str wdth: 10-15; Av str dpth: dry; Size: sand-silt; Org: low; Str situs: alluvial; Float: talus fines from biotite granite outcrop and talus, weak iron stain argillization and sparce siderite on fracture surfaces
2756-S	LCD1, E7, N15	4	0.2	1	6	28		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus fines from avalance trough, rock type is biotite granite, slight iron stain from biotite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2757-S	LCD1, E7, N15	3	0.1	1	6	24		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: talus fines from biotite granite, small amount of flowing water, only slight decompositions of biotite to iron oxide is only alteration
2758-S	LCD1, E7, N15	3	0.2	1	6	22		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: talus fines of biotite granite, may be some contamination from morraine material
2759-S	LCD1, E8, N16	2	0.1	1	4	20		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: outcrop and talus of biotite granite 300' wall with only few fractures
2760-S	LCD1, E8, N16	3	-.1	1	6	18		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial-bedrock; Float: talus of biotite granite, morraine extends high up on cirque wall, granite is fresh and not very fractured
2761-S	LCD1, E9, N16	5	-.1	2	6	20		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: fairly large volume of water draining across bedrock and talus of biotite diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2768-R	LCD2, E6, N3	21	0.4	7	20	74	Au -.1	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial-bedrock; Float: outcrop, talus and slight morraine of batite quartz diorite fresh and unaltered
2769-S	LCD2, E7, N3	10	0.2	4	15	76	Cd 0.2 W -.002% Sn -.0025%	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus of biotite quarttz diorite
2770-S	LCD2, E7, N3	21	0.6	5	15	82		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Float: small stream on top of small glacier outcrop and morraine of biotite diorite of three varieties, light colored diorite cuts the darker one
2771-S	LCD2, E6, N2	9	0.1	2	10	40	Cd 0.1 W -.002% Sn -.0025%	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: biotite diorite talus blocky unaltered some tourmaline as fracture surface coating
2772-S	LCD2, E6, N2	6	0.3	1	10	30		Str wdth: 10-15; Av str dpth: 0-1/2; In flood no; Size: sand; Org: low; Str situs: glacial; Float: large drainage side of sizable glacier most of rock is biotite diorite, some granite and granodiorite
2773-R	LCD2, E6, N2	8	0.3	5	15	48	Au -.1 Cd 0.5	Type: grab; Float: yes; Float description: float from one morraine in glacier, sample i altered granite, granite altered by depletion of mafics veined by siderite
2774-S	LCD2, E6, N2	6	0.2	1	10	26		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: large glacial drainage with predominar

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2775-S	LCD2, E16, N1	11	0.2	1	10	40		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: biotite quartz diorite forever
2776-S	LCD2, E6, N1	6	0.1	1	10	30		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: stream draining outcrop and some moraine(side of biotite diorite)
2777-S	LCD2, E6, N1	10	0.2	1	15	54		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: medium; Str situs: glacial; Float: gully draining quartz diorite, morraine extends 300' up the steep wall
2780-R	LHA1, E4, N12	6	-.1	8	4	4	Au -.1 As -10 W -.005%	Type: grab; Float: yes; Sample: quartz microcline(?)(K-spar)pegmatite with unidentified black mineral
2781-R	LHB2, E10, N17	78	1.0	4	30	360	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Bedrock: hornblende andesite dike, light gray green with hairlike hornblende phenocrysts, sample of pyrite bearing quartz calcite veinlets in above and in argillites near contact, dike is unaltered

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2782-R	LHB2, E11, N17	350	2.1	14	36	80	Au 2.3 As 140	Type: grab; Float: yes; Hi graded: yes; Bedrock: fine grained diorite; Sample pyrite bearing quartz veins, 4 veins wideths to 6" cut diorite, contain to 6% pyrite, some pyrite dissemination in walls, little argillic alteration, hornblende andesite, dike mentioned 2781 may be a boarder phase
2783-D	LHB2, E11, N12	790	1.8	3	40	640	Au 0.5 As 1500	Depth: 0 inch es; Hor: N/A; Size: sand; Mois dry; Color: brown; Soil situs: glacial; Org: low; Froz: no; Float: hornblende diorite; Bedrock: hornblende diorite; Sample: →iron staining above sample site
2784-R	LHB2, E10, N17	740	2.3	4	62	32	Au 0.1 As 290	Type: grab; Float: yes; Hi graded: yes; Bedrock: hornblende diorite; Sample 6" quartz veinlets has pyrrhotized wall rocks, vein contains quartz, calcite, pyrrhotite, chalcopyrite and pyrite and molybdenite, some wall rocks contain up to 25% pyrrhotite
2785-R	LHB2, E11, N17	110	0.5	7	8	18	Au 0.2 As 380	Type: chip; Bedrock: yes; Bedrock description: rock chip 6" quartz veining argillite
2786-S	LHB2, E10, N17	410	1.1	8	38	220	Au -.1 As 310	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: none observed; Float: slates, graywacke and diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2787-S	LHB2, E11, N17	71	0.5	1	34	160	Au -.1 As 10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: argillite Sn30E, vertical; Float: argillite siltstones and fine grained graywacke, about 1% quartz, ankerite vein float(see 2788)
2788-R	LHB2, E11, N17	12	0.5	4	16	34	Au -.1 As -10	Type: grab; Float: yes; Sample: quartz ankerite vein float somewith up to 1% pyrite as large crystals, no other sulfide observed
2789-R	LHB2, E11, N17	16	0.6	2	20	104	Au -.1 As -10	Type: grab; Float: yes; Sample: pyrite and molybdemum(?)bearing argillized andesite all sulfides seen grained estimated sulfide content 1.0%
2790-S	LCC2, E2, N15	146	0.5	2	8	82	As -10	Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial; Float: 40% hornblende granodiorite, epidotized, 10% dacite volcanic breccia, 40% da gray to black argillite, 10% andesite porphy glacial morraine
2791-S	LCC2, E1, N15	70	0.8	2	10	90		Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 75% gabbro, 15% limestone, some very iron stained, 5% granodiorite, 5% argillite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2792-R	LCC2, E2, N16	110,000	15.9	4	20	26	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: andesite porphyry with disseminated pyrrhotite, some boulders(1%) are stained green in part and contain masses of pyrrhotite and chalcopyrite, some calcite and some green stain visible on cliff above, sample - chalcopyrite and pyrrhotite in gree stained audes
2793-S	LCC2, E2, N16	90	0.7	2	8	74		Str wdth: 10-15; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Org: low; Str xitus: glacial-alluvial; Float: 85% dadte and andecite porphyry, 5% limestone, 5% granodiorite, 5% argillite
2794-S	LCC2, E2, N16	100	0.8	3	16	92		Str wdth: 10-15; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrock: andesite porphyry with disseminated fine grained pyrrhotite, float: same plus 5% limestone
2795-S	LCC2, E2, N16	260	0.6	1	16	98		Av str dpth: dry; Size: sand-silt; Org: medium; Str situs: colluvial-alluvial; FLoat: 90% andesite porphyry with fine grained disseminated pyrrhotite, 5% granodiorite, 5% dacite volcanic breccia
2796-S	LCC2, E3, N16	33	0.2	1	12	76	As -10	Str wdth: 15-25; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 20% granite, 20% quartz diorite, 40% dacite and andesite porphyry, 10% limestone

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2797-S	LCC3, E8, N14	33	0.6	1	20	74	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: acidic to basic volcanic porphyries, tufs, and breccia
2798-S	LCC3, E8, N14	52	0.7	2	35	90	As 10 Cd 0.4	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: andesite porphyry, magnetic volcanic breccia
2799-S	LCC3, E7, N14	37	0.5	1	20	76	As -10 Cd 0.1	Av str dpth: dry; Size: sand-silt; Org: mediun Str situs: alluvial; Float: intermediate to basic volcanic porphyry and breccia andesite porphyry magnetic
2800-S	LCC3, E7, N14	30	0.9	3	25	72	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: acidic to basic volcanic porphyries, tuff, and breccia, some iron stain
2801-D	LCD2, E5, N1	26	0.6	1	15	86		Depth: 3 inches; Size: gravel-sand-silt; Moist: dry-medium; Color: beown; Soil situs: Colluvial; Org: low; Froz: no; Float: as for 2724, overall weak chlorite(epidote)alteratic
2802-R	LCC2, E4, N17	11	0.5	3	15	94		Type: chip; Float: yes; Float description: as for 2801 but possibly a higher proportion of coarse grained volcanogenics sandstones, represents rock cliff of colluvial material

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2803-D	LCC2, E4, N17	27	0.6	2	20	92		Depth: 10 inches; Size: sand-silt; Moist: dry; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: diorite, volcanogenic sediments as for 2802, and lesser volcanics
2804-S	LCC3, E8, N15	68	0.8	2	35	114	As 50	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Float: 50% andesite volcanics, 50% andesite volcanic sediments (breccia →siltstone)and tuffs, andesitic tuff outcrop, chlorite alteration throughout and 1/2-1% disseminated pyrite or porphyry common
2805-S	LCC3, E8, N15	33	0.6	2	20	74	As -10	Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-bedrock; Float: 50% volcanic breccias, 25% volcanic sediments and tuffs, 25% andesite volcanic all chlorite-hematite altered, no sulfides seen c.f. 2804
2806-D	LCC3, E8, N15	64	0.9	2	25	90		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial-glacial; Float: 50% andesite volcanics (rare basalt?)weak-moderately chlorite altered, 50% volcanogenic snadstones and siltstones, some up to 2% porphyry(or lesser so pyrite) supfided rock limonites stained and moderate-lightly fractured, only very minor volcanic breccia

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2807-D	LCC3, E8, N15	150	1.4	2	40	144		Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: predominantly pale green-gray volcanogenic sandstones with 2% disseminated pyrrhotite, lesser andesite volcanics, also with porphyry
2808-D	LCC3, E7, N15	95	1.3	2	55	154		Depth: 3 inches; Size: sand-silt; Moist: dry-medium-wet; Color: brown; Soil situs: alluvial; Org: low; Froz: no; Float: predominantly basic intermediate volcanogenics sediments and tuffs, lesser andesite (basalt?) volcanics, 1/2% porphyry or pyrite common, only minor colour anom influence on sediment?
2809-S	LCC3, E7, N15	83	1.5	2	60	190	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium-low; Str situs: bedrock; Float; as for 2808
2810-R	LCC3, E7, N15	43	1.0	2	15	90	Au -.1 As -10	Type: chip; Rubcrop: yes; Float: pale green-gray volcanic sandstones with 1/2-2% disseminated porphyry, represents rock chip over 150 yards of rubcrop
2811-D	LCC3, E6, N15	44	1.5	2	50	90		Depth: 3inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Float: andesite(and basalt?) tuffs and volcanics, no sulfides, chlorite-hematite alterations

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2812-S	LCC3, E6, N15	48	1.1	1	40	114		Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Float: andesite(and basalt??) volcanics and tuffs, some rhyolite, rare pyrrhotic volcanic sandstone
2813-S	LCC3, E6, N15	35	0.8	1	25	90		Av str dpth: dry; In flood: no; Size: gravel-sand; Org: low; Str situs: bedrock; Float: various basic intermediate volcanics and tuffs, hematite alteration of basalt(?) chlorite alteration of all, also rhyolite(?)
2814-S	LCC2, E4, N17	50	0.6	3	20	90	As 20	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial-bedrock; Float: mixed hornfelsed breccia volcanic fragments up to 1', andesite volcanics, and volcanic sandstones hornfelsed siltstones, diorite, pyritic(2% disseminated)silciified and or hornfelsed fine grained gray rock outcrop 50 yards up strea
2815-S	LCC2, E4, N17	50	0.5	3	20	82	As 20	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: glacial-bedrock; Float: similar to that of 2814
2816-R	LCC2, E4, N16	49	0.9	5	20	44	Au -.1 As 40	Type: chip; Bedrock: yes; Float: most intensely fractured(50/1"!!?) fine grained sediment, limenite stained, pyrrhotite fine grained(1-3%??) some leaching(limonit boxworks) pale orange carbonate, oxide or the like on fracture surfaces(not a clay??) this outcrop 30' wide, another one upstrea

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2817-S	LCC2, E4, N16	27	0.7	2	50	140	As 30	Str wdth: 6-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Float: sandstone-siltston volcanic sediments, volcanic sediment breccia, andesite, basalt, diorite, pyrrhotit in hornfelsed sediments
2818-S	LCC2, E4, N15	130	0.8	2	20	94	As -10	Str wdth: >25; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: volcanogenic sediments, andesite, basalt, volcanic cgts and breccias, chlorite epidote alteration 5-10% diorite(and other intrusives?)
2819-S	LCA2, E11, N1	56	0.4	1	15	37	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: quartz biotite diorite, weakly garnetofeous, showing quartz alteration and alteration of biotite, to chlorite and muscovite, up to 1% pyrite locally, some MnO on fractures
2820-S	LCA2, E11, N1	56	0.1	-1	11	46	As -10	Str wdth: 10-15; Av str dpth: 0-1/2; In flood no; Size: silt; Org: low; Str situs: alluvial-bedrock; Float: 100% fresh equigranular hornblende, biotite, granodiorite(bright pink K-spar and polysegnthetically turned plagioclase) may be quartz monzonite in fact

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2821-S	LCD1, E8, N15	24	0.4	1	10	58		Str wdth: <1; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite with iron staining and epidote, some pyrite
2822-R	LCD1, E9, N15	44	0.4	1	10	36	Ni 17 Sn -.01%	Type: grab; Rubcrop: yes; Float: diorite with veins and seams of hornblende, pyrite some minor bornite
2823-S	LCD1, E9, N16	15	0.3	1	10	26		Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: diorite with some iron staining, calcite and epidote
2824-S	LCD1, E9, N17	130	0.3	2	10	44		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Float: bedrock-granite, few xenoliths, no alteration, or iron stained
2825- S	LCD1, E9, N17	120	0.4	1	10	36		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: granodiorite, some iron stain; Float: granite and granodiorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2826-S	LCD1, E9, N17	9	0.2	5	10	18		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: granodiorite bedrock
2828-R	LHB~~2~~1, E8, N16	12	0.1	3	10	78	Ni 4 W -.005% Sn -.02%	Rubcrop: yes; Float: andesite porphyry, som weathering, minor iron stain, no sulfides
2829-D	LHB1, E8, N15	13	0.3	13	80	220		Depth: 0 inches; Hor: C; Size: silt; Moist: medium; Soil situs: talus fines; Org: low; Froz: no; Float: fine grained diorite, inte-fingers with andesite and dacite, some alteration, no sulfides
2830-D	LHB1, E8, N15	11	0.1	3	24	66		Depth: 0 inches; Hor: C; Size: sand; Moist: medium; Color: orange; Soil situs: talus fines; Org: low; Froz: no; Bedrock: porphyritic dacite, some alteration, limonit but no sulfides
2831-D	LHB1, E8, N15	18	0.2	1	24	80		Depth: 0 inches; Hor: C; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines: Org: low; Froz: no; Float: seyenite with andesite porphyry sill
2832-S	LCD2, E5, N10	2	0.1	1	2	34		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: glacial; Float: granodiorite, no alteration or sulfides, a piece andesite porphyry as float
2833-S	LCD2, E5, N9	7	0.1	1	2	32		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: granodiorite, no alteration or sulfides

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2834- S	LHB1, E8, N16	17	0.4	14	88	210		Depth: 0 inches; Hor: C; Size: sand; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: dacite bedrock , some alteration, no sulfides
2835-S	LCD2, E5, N9	7	0.1	1	-2	14		Str wdth: 15-25; Av s tr dpth: 1-2; In flood: no; Str situs: glacial; Float: granodiorite bedrock, some alteration, epidote and minor pyrite, some pegmatites
2836-S	LCD2, E4, N9	3	0.1	1	-2	12		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial, Float: bedrock, granodiorite, float same, minor alteration and epidote
2837-S	LCD2, E4, N10	2	0.1	1	4	38		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: granodiorite bedrock, some epidote, scattered
2838-S	LCD2, E4, N10	3	-.1	1	-2	18		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: clay; Org: medium; Str situs: alluvial; Float: bedrock, granodiorite, some granite on float
2839-S	LCD2, E4, N10	3	0.1	1	4	40		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: granite bedrock with granodiorite float in valley bottom, no alteration in or sulfides with bedrock
2840-S	LCC3, E6, N14	37	0.6	1	20	80	As -10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: intermediate to basic volcanic porphyry, tuffs, and breccia

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2841-S	LCC3, E6, N15	63	0.9	1	15	92	As -10	Str wdth: <1; Av str dpth: 0-1/2; In flood: nc Size: silt-clay; Org: high; Str situs: alluvia. Float: mainly andesite porphyry and breccia
2842-S	LCC3, E5, N15	61	1.0	1	20	96	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: medium; Str situs: colluvial-alluvial; Float: andesite porphyry and breccia
2843-S	LCC3, E5, N15	53	1.0	1	20	78	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: intermediate to basic volcanic porphyry and breccia 5% iron stained rhyodacite most bedrock in area is argillized
2844-R	LCC3, E5, N15	16	-.1	3	20	80	Au -.1 As 10	Type: grab; Float: yes; Float: intermediate to basic volcanic porphyry and breccia, also agglomerate 5% iron stained rhyodacite most bedrock in area argillitized
2845-S	LCC3, E5, N15	73	0.6	1	20	82	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: andesite porphyry and volcanic agglomerate iron stain, some veins of calcite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2846-S	ID2, E12, N16	28	0.2	1	10	28	As -10	Str wdth:< 1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: rubblecrop, muscovite granit with muscovite plates up to 2 cm across float, same plus a few cobbles of basalt with 1% disseminated pyrrhotite
2847-S	ID2, E11, N16	54	0.1	1	11	42	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrock: muscovite granite with muscovite plates up to 3 cm across, some pegmatitic zones(small), float muscovite granite and small amount(less than 1%) basalt
2848-R	ID2, E11, N16	7	0.1	-1	16	4	Au -.1 Cd 0.5 Sn -.01%	Typee: grab; Float: yes; Float description: iron stained muscovite granite with small amount disseminated pyrite, vuggy less than 1% basalt, sample iron stained alaskite(?) with blebs of pyrite, fine grained
2849-S	ID2, E11, N16	56	0.3	1	46	86	Cd 1.0 As -10	Str wdth: 6-10; Av str pth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Bedrock: muscovite granite, muscovite plates up to 3 cm across, float muscovite granite less than 1% basalt
2850-S	ID2, E11, N15	32	0.1	1	9	30	As -10	Str wdth:< 1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Bedrock: muscovite granite, muscovite plates up to 3 cm across, float muscovite granite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2851-S	ID2, E10, N15	23	0.1	1	11	36	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: granite, some with large dia muscovite plates (up to 1.5 cm) occassional basalt cobbles
2852-S	ID2, E10, N15	24	0.1	3	8	34	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: granite, some with large plates of muscovite (up to 2 cm across) 5% quartz diorite some iron stain
2853-R	ID2, E10, N14	10	-.1	1	6	8	Au -.1 As -10 Sn -.01%	Type: grab; Bedrock: yes; Bedrock description: iron stained granite with disseminated pyrite, vuggy, float 50% iron stained granite 50% granite, but iron stained, less than 1% basalt
2854-S	ID2, E9, N13	17	0.1	-1	9	28	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: muscovite granite with large muscovite plages (up to 2 cm across) small amount of garnet iron stained, less than 1% basalt

Grenville Hadry Proterozoic
Hudsonian Hely Archezoic
Arch A

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2856-S	LCC3, E7, N17	87	1.0	1	95	122	As 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: gray-green latite, little quartz, no feldspathoids observed; Float: above 70% dacite 29%, 1% basalt
2857-S	LCC3, E7, N18	64	0.9	1	45	94	As 10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: red vesicular basalt latite 80%, basalt 20% and dacite
2858-S	LCC3, E11, N13	47	0.8	26	35	100	As -10	Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: graywacke siltstones with few volcanics; Float: above with about 40% volcanics
2859-S	LCC3, E10, N13	75	1.6	2	140	240	As 200	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: graywacke 70%, andesite, 30%, iron stain observed, above sample site
2860-R	LCC3, E10, N13	130	1.8	3	25	6000		Type: grab; Float: yes; Sample: from site 2859, pyrite bearing sediments, introduced along shear zones
2861-S	LCC 3, E10, N13	70	1.6	5	130	460	As 300	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: vesicular basalt, above 80 % volcanics and siltstones, 20%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2862-S	LCC3, E8, N13	39	0.7	2	20	94	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock
2863-S	LCC3, E8, N13	35	0.7	1	20	98	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock Bedrock description: basalt; Float: basalt 4 dacite 30%, rhyolite 10%, quartz diorite 15%, miscellaneous volcanics 5%
2864-S	LCC3, E8, N13	39	0.9	2	25	92	As 10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: as in 2863
2865-S	LCC3, E8, N13	39	0.6	1	20	84	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: coarse conglomerate of pirncipally volcanic rocks, above 40% 40% basalt, 20% dacite
2866-S	LCC3, E7, N13	29	0.5	2	20	78	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: graywacke, conglomerate tuff, rhyolite, (welded tuff?); Bedrock: none obs ved
2867-S	LCD2, E4, N11	3	-.1	1	4	32		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: granitic bedrock, shows inclusior some minor alteration

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2967-S	LCD2, E4, N11	3	-.1	1	4	32		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: granite bedrock, shows inclusions some minor alteration
2868-S	LCD2, E4, N11	1	-.1	1	-2	20		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: granitic bedrock, minor alteration
2869- S	LCD2, E6, N12	5	-.1	1	2	28		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: granodiorite, minor alteration, some limonite sulfides (none)
2870- S	LCC3, E11, N14	37	1.1	2	84	220	As -10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no Size: sand; Org: low; Str situs: alluvial; Bedrock: fine grained argillite, some andesite float
2871- S	LCC3, E11, N15	46	0.8	2	54	136	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: argillite bedrock, volcanic float
2872-S	E10, N14	40	1.1	2	80	210	As -10	Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock; dacite-fije grained, andesite float has amygdules, filled with stibnite and pyrit

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2873-S	LCC3, E19, N14	52	0.6	2	42	122	As 10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Bedrock: fine grained argillite bedrock andesite porphyry float
2874-S	LCC3, E10, N14	38	0.8	1	72	172	As 10	Str wdth: 15-25; Av str dpth: >2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: andesite porphyry with quartz amygdules and vesicules
2875-S	LCC3, E10, N14	30	0.5	1	32	98	As 20	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: andesite porphyry; Float: some minor mineralization in some veiscules
2876-S	LC C3 E9, N13	40	0.7	1	28	102	As 120	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: basalt; Float: porphyritic andesite and somediorite
2877-S	LCC3, E9, N12	65	1.5	2	70	194	As 200	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: massive basalt, basalt and andesite float some minor chert

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2878-S	LCC3, E8, N11	40	0.8	1	32	162	As 130	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: basalt bedrock; Float: volcanic breccia, agglomerates and basalt
2879-S	LCC3, E8,N11	39	0.6	1	32	142	As 100	Str wdth: 15-25; Av str dpth: 1-2; In flood: no Size: sand; Org: low; Str situs: alluvial; Bedrock: basalt bedrock; Float: volcanic agglomerates, breccias and granodiorite
2880-R	LCC3, E7, N16	169	0.1	3	16	110	As -10	Float: hornfels(?) very fine grained, strongl silicified, no ore dissemination, iron stained, sample
2881-S	ILD2, E8, N13	14	0.1	1	10	44		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: quartz monzonite 100%
2882-R	ILD2, E8, N12	8	0.1	1	6	18	As -10	Bedrock: quartz monzonite; coarse grained some stained sample, slightly chloritized no ore dissemination visible
2883-S	ILD2, E7, N12	10	0.1	1	14	38		Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz monzonite; Float: quartz monzonite

PROJECT - COOK INLET A

Sample No.	Area and Goordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2884-S	ILD1, E2, N12	4	0.1	1	10	30		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock quartz monzonite; Float: quartz monzonite
2885-S	ILD1, E5, N11	7	0.1	1	10	32		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz monzonite; Float: alluvial is quartz monzonite
2886-S	ILD1, E8, N14	11	0.2	1	14	50		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: muscovite, granodiorite, 100% of float:
2887-S	ILD2, E7, N14	9	0.1	1	10	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: granodiorite
2888-S	ILD2, E10, N18	20	-.1	1	6	26	Au -.1	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz diorite, relict mafics minerals biotite(?) washed out i.e. probabl by weak metamorphism to muscovite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2889-S	ILD2, E19, N18	26	-.1	-1	5	22	Au -.1	Str wdth: 15-25; Av str dpth: 1-2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: large drainage basin rock type is quartz diorite, mafics are not very bleached here, hornblende and biotite, one each variety
2890-S	ILD2, E9, N17	52	0.3	-1	36	114	Au -.1	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial Float: outcrop and talus of quartz, diorite and biotite diorite, no veining mafics rightly bleached most rocks but some still fresh
2891-S	ILD2, E19, N17	81	0.7	1	48	68	Au -.1	Str wdth: 10-15; Av str dpth: 1/2-1; In flooc no; Size: sand-silt; Org: low; Str situs: alluvial; Float: fairly large amount H2O for smaller stream, rock is quartz diorite to granodiorite in composition
2892-S	ILD2, E9, N17	30	-.1	1	8	30	Au -.1	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: big barren, bold buggery biotite hornblende diorite, alders so thick you can hardly push through 6-8' fall
2893-S	ILD2, E9, N17	21	-.1	1	9	32	Au -.1	Str wdth: 10-15; Av str dpth: 1/2-1; In floo no; Size: sand-silt; Org: low; Str situs: alluvial; Float: outcrop and talus of quartz diorite, large drainage, blocky talus 2-6' diameter

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2926-S	LCC3, E7, N13	36	0.7	1	20	88	As -10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: greenish dacite; Float: above 60%, conglomerate, graywacke and tuff 40%
2927-S	LCC3, E7, N13	25	0.4	2	20	80	As -10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: greenish dacite; Float: above 70%, conglomerates and silt-stones 30%, volcanic appear to be subhori-zontal
2928-S	LCC3, E7, N13	37	0.6	2	20	86	As 10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: quartzite(ortho) basalt 5%, graywacke 60%, quartzite 20%, dacite 15%
2929-R	ID2, E13, N15	37	-.1	2	6	24	Au -.1	Type: chip; Bedrock: yes; Hi graded: yes; Bedrock description: biotite hornblende quartz diorite; Sample: chip over 15' of quartz vein in reddish argillicly altered quartz diorite SN10°E, no sulfides or box works observed, io vein is irregular white druzzey quartz, with breccia fragments of silicified biotite hn quart z diorite
2930-S	ID2, E13, N15	62	0.2	1	9	48		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: biotite hornblende quartz diorite with a subgneissic foliation of mafic minerals, it has been intruded? by latter no foliated biotite hornblende quartz diorite, both are found in float, sample taken below crop of altered area in 2929

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2931-S	ID2, E13, N14	85	0.5	1	9	68		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial Bedrock: weakly silicified (sub gneissic) biotite hornblende quartz diorite, biotite is partly altered to vermiculite? and feldspar dull lustered
2932-S	ID2, E12, N14	88	0.4	1	10	73		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Float: weakly foliated biotite hornblende quartz diorite, with less than 1% basalt dike material
2933-S	ID2, E12, N14	66	1.0	1	12	86		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial Bedrock: biotite hornblende quartz diorite
2934-S	ID2, E12, N14	76	0.9	1	10	75		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: bedrock; Bedrock description: weakly foliated hornblende biotite quartz diorite; Float: above with rare quartz calcite vein fragments
2935-S	ID2, E12, N13	82	1.0	1	12	101		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial Bedrock: none observed; Float: weakly foliated biotite-hornblende-quartz diorite
2936-S	ID2, E11, N13	76	0.6	1	11	57		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: biotite hornblende quartz diorite, above with a few fragments of bull quartz with no iron staining
2937-S	ID2, E11, N13	92	0.5	-1	8	64		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock Bedrock description: biotite muscovite quartz diorite; Float: above 70%, biotite hornblende quartz diorite 20%, pegmatite, pyroxenite, and hornblendite 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2938-S	ID2, E11, N13	24	0.3	-1	7	22		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: biotite muscovite quartz diorite, Float: muscovite, biotite quartz diorite, and exotic morraine-derived material
2940-S	ILD2, E7, N13	12	0.1	1	12	34		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Ofg: low; Str situs: alluvial; Float: granodiorite
2941-S	ILD2, E7, N13	12	0.1	1	8	24		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; O g: low; Str situs: alluvial; Float: granodiorite
2942-S	ILD2, E7, N13	17	0.1	1	10	42		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no;Size: silt; Org: low; Str situs: alluvial; Float: granodiorite
2943-S	ILD2, E6, N13	5	0.1	1	8	24		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: granodiorite
2944-S	ILD2, E6, N12	8	0.1	1	8	30		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial;Float: granodiorite
2945-S	ILD2, E6, N12	14	0.1	1	12	42		Str wdth: 6-10; Av str dpth: 1/2-1; In flood no;Size: silt;Org: medium; Str situs: alluvia Float: granodiorite, some with red minera (garnet?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2946-S	ILD2, E5, N12	28	0.1	1	10	40		Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: silt;Org: medium; Str situs: alluvial; Float: granodiorite
2947-S	ILD2, E4, N12	11	0.1	1	8	30		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no ; Size: silt; Org: medium; Str situs: alluvial; Float: rock seems to be a diorite, it has more mafics than the grano had
2948-S	ILD2, E4, N12	14	0.1	1	8	46		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; O^{R}g: medium; Str situs: alluvial; Float: diorite
2949-S	ILD2, E4, N11	21	0.1	-1	9	30		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: diorite with mafics going to chlorite
2950-S	ILD2, E4, N11	28	0.2	-1	12	40		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: diorite
2951-R	LHB2, E11, N17	15	0.6	2	22	110	Au -.1 As -10	Type: grab; Float: yes; Bedrock: same as 2789, float train from different part of morraine
2952-S	LCD2, E7, N9	7	0.1	1	2	34		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: biotite quartz monzonite with 3 mm k-spar phenocrysts; Float: above

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2953-S	LCD2, E8, N9	3	-.1	1	-2	20		Str wdth: 6-10; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite; Float: biotite quartz monzonite, from stream draining glacier
2954-S	LCD2, E8, N9		A 2 A 4 A 3		3/12 = 4.00 5 20			Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite above
2955-S	LCD2, E8, N9	22 2.073 4.000 6.073	0.2	1	4 2/6.073 = 3.03 3 0	52		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz diorite, Float: above
2956- S	LCD2, E8, N9	88	0.3	8	4 6 13	124		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: hornblende biotite quartz diorite; Float: above with 1% iron stained biotite quartz diorite, see 2957
2957- R	LCD2, E8, N9	620	0.7	32	4	90		Type: grab; Float: yes; Sample: iron stained biotite quartz diorite pyrrhotite and chalcopyrite responsable for staining, Cu comtent est 1/2 %, some sericite or chlorite on fractures
2958-S	LCD2, E8, N9	7	-.1	1	4	40		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz diorite, Float same

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2959-S	LCD2, E8, N10	14	-.1	2	-2	24		Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite; Float: same with other graniticis, quartz diorite, hornblende, quartz diorite etc
2960- S	LCC3, E7, N17	81	1.0	3	45	90	As 10	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: gravel; Org: low; Str situs: alluvial; Bedrock: dacite and intermediate volcanics with little quartz float above, fines available; Special spl notes: fine gravels and coarse sand sampled
2961-S	LCC3, E7, N17	85	0.9	1	35	88	As 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: dacite; Float: dacite, quartz latite about 1% basalt
2975-R	LHA1, E6, N15	2	0.1	1	6	24	Au -.1 As -10	Type: chip; Bedrock: yes; Float: granite biotite abundant no ore dissemination, no hydrothermal alteration
2976-R	LHB2, E11, N16	33	0.3	3	12	52	Au -.1 As 10	Type: chip; Bedrock: yes; Float: biotite diorite, incipient chloritized rock, biotite is very abundant, some vugs were washed out, no limonite in a minor pyrite dissmination, on the rubcrop, some meta shales very recrystalized, showing some vugs
2977-R	LHB2, E11, N16	360	0.5	14	12	86	As -10	Type: chip; Rubcrop: yes; Bedrock: diotite diorite, iron stained sample with limonite on, pyrite dissemination

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2978-R	LHB2, E11, N16	220	0.6	2	18	40	Au -.1 As 700 Hg 30	Type: chip; Bedrock: yes; Float: quartz monzonite(?) medium grained rock, showing some pyrite dissemination, slightly iron stained sample
2979-S	LHB2, E11, N16	26	0.2	1	8	34	Au -.1 As 60	Str wdth:< 1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: biotite diorite, iron stained70%, quartz monzonite, 30%
2980-S	LHB2, E11, N17	55	0.4	1	20	112	As 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: black shale 80%, meta sediments, 20%
2981-R	LHB2, E11, N17	69	0.5	5	14	68	Au -.1 As 10	Float: diorite, coarse grained, showing a minor pyrite dissemination and minor porphy: slightly cloritized
2982-S	LHB2, E11, N17	84	1.1	3	38	154	As 60	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz diorite; Float: quartz diorite 50%, diorite 30%, shale 20%, meta sedimen also, diorite and quartz diorite have a minor pyrite dissemination, iron stained
2983-S	LHB2, E11, N17	34	0.2	1	10	56	As 30	Bedrock: black shale; Float: quartz diorite 20%, shale 70%, meta sediments, 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2985-R	LCC2, E7, N17	3	0.1	3	8	54	As -10	Bedrock: diorite, diorite coarse grained, xe of gabbro, no ore dissemination visible, nc hydrothermal alteration
2986-S	LCC2, E7, N17	6	0.1	-1	8	40	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, sample was taken from stream of western side of glacier
2987-S	LCC2, E6, N17	2	0.1	1	6	20	As -10	Float: diorite, stream flows on morraine
2988-S	LCC2	7	0.3	1	10	36	As -10	Float: diorite (80%). granite (20%).
2989-S	LCC2, E6, N17	2	-.1	-1	4	22	Au -.1 As -10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: gabbro; Special spl notes: gabbro 30%, diorite 50%, granite 20%
2990-S	LCC2, E4, N17	65	0.5	5	18	76	As -10	Bedrock: diorite; Float: all diorite, no ore dissemination visible

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2991-S	LCC2, E4, N16	54	0.7	10	20	86	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite 60%, argillite(iron stained)20% gabbro 20%
2992-S	LCC2, E4, N16	45	0.4	2	12	82	As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: diorite; Float: all diorite, no dissemination visible
2993-R	LCC3, E8, N17	140	1.0	1	28	74	As -10	Type: chip; Bedrock: yes; Float: basic dacite(?), fine grained, spare quartz veinlets no ore dissemination visible
2994-S	LCC3, E8, N16	83	1.2	1	54	106	As -10	Float: basic dacite 70%, recrystallized rhyolite 5%, argillite 5%, rhyodacite 20%
2995-S	LCC3, E7, N17	164	1.3	29	160	440	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: basic dacite, hornfels(?) argillite
2996-S	LCC3, E7, N16	54	0.6	2	26	94	As -10	Str wdth: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Float. basic dacite 90% argillite 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2997-S	LCC3, E6, N16	45	0.5	2	22	90	As 10	Float: basic dacite 50%, rhyodacite 30% argillite 20%
2998-S	LCC3, E5, N17	46	0.5	1	28	90	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs:alluvial; Float: basic dacite 100%
2999-S	LCC3, E4, N17	39	0.6	1	18	82	As -10	Str wdth: 6-10; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite 70%, rhyodacite 20%, argillite 10%
3000-S	LCD3, E5, N1	42	0.6	2	16	84	As -10	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Float: basic dacite 40%, quartz diorite 30%, rhyodacite 15%, porphyry dacite 15%
3001-R	ILD2, E4, N11	39	0.4	1	10	44	As -10	Type: chip; Bedrock: yes; Bedrock description: diorite; Float: quartz diorite, medium grained, abundant biotite, ther e is some chlorite, no ore dissemination visible, xenos of gabbro and quartz monzon ite