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*Geology and geochemistry of certain lands  
within the proposed Lake Clark National Park*

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

APPENDIX 2b

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

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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

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3002-S	ILD2, E4, N11	110	0.7	1	14	70		Str width: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: quartz diorite with xenos of gabbro
3003-S	ILD2, E4, N11	30	0.3	1	12	48		Str width: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Org: low; Str situs: alluvia Bedrock: quartz diorite; Float: quartz diorite no ore dissemination at sight
3004-S	ILD2 E3, N10	20	0.1	1	8	34		Str width: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: quartz diorite 50%, quartz monzonite 50%
3016-R	LC-2, E11, N1	30	0.5	94	7	7	Au 0.8 As -10 W 0.005% Sn -.01%	Type: grab; Bedrock: yes; Hi graded: yes; Bedrock description: limonitic fracture zones to 105/80°N, quartz diorite with biot altered to muscovite or chlorite, stringers of pyrite along some fractures and specular hematite with red internal reflections (very bright) - long others, some sericite alteration stained area about 30' x 30' sampled hi graded for best mineral within mineralized fractures this area, hornfels 1/1'

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3017-S	ILD2, E9, N17	40	0.1	1	10	29	As -10	Str wtdh: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: 100% granodiorite as for 2820, some specular hematite with chlorite alteration on fractures between here and 2820, especially near 2820
3018-S	ILD2, E9, N17	70	0.1	1	13	42		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: wet; Str situs: alluvial-bedrock; Float: granodiorite as for 2820, K-spar not so distinct
3019-S	ILD2, E9, N17	737	1.0	7	12	48	As -10	Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: col-luvial-bedrock; Float: hornblende granodiorite coarse grained equigranular, chlorite pyrite and chalcopyrite on some fractures, trace malachite noted, some medium grained "diorite" inclusions, granodiorite
3020-R	ILD2, E9, N17	<u>33,000</u>	<u>16.5</u>	<u>1360</u>	<u>30</u>	<u>119</u>	Au 0.1 As -10	Type: grab; Float: yes; Hi graded: yes; Float-description: on talus slope adjacent to sample 3019, chalcopyrite pyrite vein material intrusive, probably granodites, mf to 1/2" vines some in with quartz crystals, some MoS2 (very fine grained) in quartz, some associated chalcosite and malachite
3021-S	ILD2, E8, N16	550	0.4	8	18	42	As -10	Str wtdh: <1; Av str dpth: 0-1/2; In flood: yes-no; Size: sand-silt; Org: high; Str situs: bedrock; Float: 100% quartz rich diorite, as for 2819, but no sulfides or MnO seen

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3074-S	ILD2, E12, N10	54	0.4	-1	6	33	Au -.1 As -10	Str wtdh: 15-25; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Str situs: colluvial; Flc: leucocratic biotite granite, fine to medium grained, mostly anhedral, very minor iron oxides specks, creek drains glacier on cobble to boulder sized rubble water clear (no visible silts)
3075-R	ILD2, E12, N10	7	0.1	1	3	19	Au -.1	Type: chip; Float: yes; Float description: leucocrat biotite granite fine to medium grained, float, subangular to subrounded cobbles and boulders, very minor iron oxide specks
3076-S	ILD2, E12, N11	46	0.8	1	15	116	Au -.1 As 10	Av str dpth: dry; Size: sand; Str situs: colluvial-bedrock; Float: fines to sluffing stark cliff, dominantly dark green specks of epidote, calcite, hematite coating
3077-R	ILD2, E12, N11	2	0.6	1	12	30	Au -.1 As -10	Type: chip; Bedrock: yes; Hi graded: yes; Float: irregular epidotized pocket or 2 sq. ft size, in skarn strain surfaces hematite coated on places where these surfaces are slickensided the hematite is specularite
3078-R	ILD2, E12, N11	22	0.6	1	11	78	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: host rock of 3077; Float: much fracture crumbly, soft skarn, dominantly dark green but numerous white calcite patches, epidote minor hematite and specs of magnetite(?)
3079-R	ILD2, E11, N11	6	0.7	7	12	14	Au -.1 As -10	Type: chip; Bedrock: yes; Hi graded: yes; Float: about 2 feet wide mineralized shear in skarn, limey, leached, iron rust coated attitude, 30o/80o NW, fine coatings of pyrite on shear surfaces, altogether 3 mineralized shears, parallel to each other, in 50' widths

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3080-S	ILD2, E11, N11	31	0.4	2	12	62	Au -.1 As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: colluvial; Float: draining colluvial benches overgrown with grass-vegetation fragments in creek bed, some skarn, mainly chloritized schistose, granitic fragments, minor iron rust sediment coarse, no fines
3081-S	ILD2, E11, N11	78	0.5	1	12	84	Au -.1 As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: lw; Str situs: bedrock; Bedrock description: creek on bedrock of medium grained chloritized biotite granodior no fine sediments
3082-R	ILD2, E11, N11	44	0.1	1	4	4	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Hi graded: yes; Float: two inches wide vein, quartz K-spar, fine disseminated magnetite, very fine light buff specs (scheelite?) walls chloritized, one speck of bionite, vein strikes west near vertical, off sep by small N-S fault, several other small feins seen at irregular attitudes
3083-R	ILD2, E11, N11	52	0.5	1	11	62	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: medium grained greenish chloritized biotite granite numerous irregular fractures and small faults, along laterals, grain of rock fine (most rock to 3082, minor epictite)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3084-S	ILD2, E11, N11	29	0.2	-1	8	46	Au -.1 As 10	Str wth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand; Str situs: bedrock; Float: creek on coarse colluvial rubble and sheared and chloritized biotite granite
3085-R	ILD2, E11, N10	21	0.4	1	8	76	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sheared and intensively chloritized biotite granite to granodiorite, almost all biotite turned into chlorite, feldspars show kaolinitization color index due to intrusive alteration higher than usual
3086-R	ILD2, E10, N11	71	0.4	1	9	64	Au -.1 As -10	Type: chip; Bedrock: yes; Float: yes; Float description: granite, sericitized, occasional muscovite phenocrysts, with up to 1/2" basalt medium intensity, iron oxide coatings and medium grained numerous areas sheared
3087-R	ILD2, E10, N10	23	0.1	1	4	30	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: gneissic biotite granite, local accumulations of orthoclase and muscovite both of them coarse grained irregular felsic veins, up to 3" width bands of heavily chloritized biotite
3088-S	ILD2, E10, N9	63	0.4	1	9	48	Au -.1 As -10	Str wth: 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: alluvial; Float: overgrown river channel, sampled creek bed dry

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3089-S	ILD2, E9, N9	64	0.6	1	10	52	Au -.1 As -10	Float: dry creek bed on alluvial plaica, forest cover
3093-S	ILD2, E3, N11	29	0.2	-1	14	34		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: diorite with 10% dacite
3094-S	ILD2, E3, N10	660	0.6	10	16	28		Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: high-medium; Str situs: alluvial; Float: a few pieces of diorite
3193-R	ILD2, E9, N13	<u>24</u>	<u>0.8</u>	<u>-1</u>	<u>10</u>	<u>66</u>	Au -.1	Type: grab; Bedrock: yes; Bedrock description: muscovite granite with large plates of muscovite (up to 3 cm across) and small amount of disseminated garnet, cut by porphyritic basalt dike 10-20 feet wide (sample) float, same
3194-S	ILD2, E9, N13	23	0.7	-1	13	54	As -5	Str wtdh: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 75% muscovite granite, 25% porphyritic basalt granite contains many large muscovite plates, some up to 3 cm across, small amount of disseminated garnet, some iron stain



## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3195-S	ILD2, E9, N13	12	0.6	-1	10	35		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: bedrock; Float: muscovite granite with much muscovite, some plates up to 2 cm across, occasional pyrite grains, some chloritic(?) staining
3196-S	ILD2, E9, N12	16	0.7	-1	11	39		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Float: muscovite quartz monzonite, slight sausseritization
3197-S	ILD2, E9, N11	14	0.6	-1	11	40		Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial-bedrock; Float: quartz monzonite slight sausseritization around dark muscovite(?)
3198-S	ILD2, E9, N11	15	0.6	-1	10	39		Str width: <1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: quartz monzonite
3199-S	ILD2, E8, N11	12	0.5	-1	8	33		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial-bedrock; Bedrock: quartz monzonite cut by porphyritic hornblende latite dike on east side of stream, float: 95% quartz monzonite, 5% porphyritic hornblende latite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3259-R	LCA1, E1, N7	<del>53</del>	0.7	2	12	92	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Float: hi graded sample of limonite stained pyritic coarse grained equigranular horn- blende diorite, up to 2% or so pyrite, probably originates from iron stained area at head of glacier Str wtdh: 15-25; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: glacial; Bedrock: of glacier, 100 yards from it, Float; Predominantly coarse grained equi- granular weakly gneissose hornblende diorite, in of moderately intermixxed gneissose hornblende diorite and muscovite chlorite bearing medium grained leucodiorite or granite, granite pegmatite veins, very rare trace malachite on fractures, rare specular hematite with chlorite on fractures
<del>3260-S</del>	<del>LCA1, E1, N7</del>	<del>47</del>	<del>0.4</del>	<del>1</del>	<del>10</del>	<del>46</del>		

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3261-S	LCAL, E2, N7	44	0.1	-1	6	37		Str width: >25; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: glacial; Float: 100% coarse grained equigranular, weakly moderate foliated hornblende diorite, some weak epidote alteration
3262-S	LCAL, E2, N7	104	0.1	1	10	62		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial; Float: predominantly hornblende diorite, weak-moderate foliation, minor granite pegmatite with muscovite books(1") and spare garnet, outcrop in main stream bed, muscovite "granite" with granite pegmatite veins, traces of chalcopyrite (partially oxidized to malachite) fairly common on fractures in quartz veins, and granite pegmatites
3263-R	LCAL, E2, N6	50,600	28.6	1496	78	550	Au 0.3 As 3300	Type: grab; Bedrock: yes; Hi graded: yes; Float: very coarse grained equigranular, moderately fractured muscovite bearing "granite" or possibly as granodiorite as suggested by some fresh specimens, considerably hi graded sample (to check for Au) of quartz vein material containing chalcopyrite, molybdenite, pyrrhotite and pyrite, splashy malachite and rare olivenite on fracture surfaces, unless precious metals are present, is definitely sub-ore grade mineralization, minor sericite alteration(?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>3264-S</del>	LC21, E2, N6	98	-1	3	10	44	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Gg: medium; Str situs: colluvial-bedrock; Bedrock and Float description: coarse grained equigranular muscovite granite or possibly granodiorite in part or entirety, quartz veins Type: chip; Bedrock: yes; Bedrock description: coarse grained barren, muscovite "granite"
3265-R	LC21, E2, N6	22	-1	5	8	40		
<del>3266-S</del>	LD2, E8, N10	12	0.6	-1	13	36		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial-bedrock; Bedrock description: quartz monzonite; Float: quartz monzonite and granite, some iron stain
<del>3267-R</del>	LD2, E8, N10	6	0.3	1	7	42	Au -.1	Type: grab; Bedrock: yes; Bedrock description: quartz monzonite, zone of altered, iron stained quartz monzonite(sample); Float: quartz monzonite and granite
3268-R	LD2, E8, N10	1700	9.1	-1	7100	34	Au -.1	Type: grab; Float: yes; Bedrock: quartz monzonite, some small quartz veins, sample 1 inch wide, quartz vein with blebs of pyrite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3269-R	KEA8, E12, N7	54	0.5	7	15	44	Au -.1	Type: grab; Bedrock: yes; Bedrock description: dark gray concretionary limestone and shale with limonitized pyrite concretion (small) sample is with limonite
3270-S	KEA8, E12, N6	45	0.7	-1	11	60		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand- silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: interbedded concretion any limestone and shale and arkose, bed of stream is ripple marked arkose, float, same some iron stained and Mn stain
3271-R	KEA8, E13, N6	58	0.8	1	10	44	Au -.1	Type: grab; Bedrock: yes; Bedrock description: graywacke with fine grained disseminated magnetite(?) on dip slope
3272-R	KEA8, E13, N6	38	0.6	3	8	42	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float: graywacke, 1% very iron stained, no visible sulfide, 5% siltstone and shale sample, iron stained trasy graywacke with carbonaceous plant remains, some graywacke, conglomeratic
3273-S	KEA8, E13, N6	140	1.8	1	23	206	As -10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial-bedrock; Bedrock description: 70% graywacke, some conglomeratic 30 % siltstone, shale, limestone, some iron stained

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3274-S	<del>KEA</del> , E13, N6	56	0.8	-1	11	60	As -10	Av str dpth: dry; Size: sand-silt; Org: medium; Float: 80% graywacke, some conglomeratic 20% siltstone and shale, some iron stain
3275-S	<del>KEA</del> , E13, N15	47	0.8	-1	10	56	As -10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 90% graywacke, some conglomeratic, 10% gray shale (dark)
3276-R	LCAL, E1, N5	21	0.1	1	6	26	As -10	Type: chip; Rubcrop: yes; Float: quartz monzonite(?) rich in muscovite, medium grained, some fragments of diorite, no ore dissemination visible
<del>3277-S</del>	<del>ICA2</del> , E13, N5	31	0.1	3	10	36	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: quartz monzonite
3278-S	<del>ICA2</del> , E13, N5	27	0.1	4	10	32	As -10	Str width: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: quartz monzonite; Float: stream goes over glacial drift, float, mostly quartz monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3279-S	LCA2, E12, N4	16	0.1	3	6	24		Str width: 6-10; AV str dpth: 1/2-1; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: quartz monzonite; Float: stream comes down from glacier
3280-S	LCA2, E12, N4	34	0.1	18	10	22		Str width: 3-6; AV str dpth: dry; Size: clay; Str situs: alluvial; Bedrock: quartz diorite; Float: quartz diorite
3281-S	LCA2, E11, N4	38	0.1	4	8	28	Au -.1 AS -10	Str width: 6-10; AV str dpth: 1-2; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: quartz monzonite; Float: mostly quartz monzonite
3282-S	LCA2, E11, N4	42	0.2	1	6	22	Au -.1	Str width: 6-10; AV str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: diorite; Float: diorite 80%, quartz monzonite 20%
3283-S	LCA2, E10, N4	120	0.3	1	12	40		Str width: 6-10; AV str dpth: dry; Size: sand; Str situs: alluvial; Float: diorite, streams walls is diorite, no ore dissemination visible
3284-S	LCA2, E9, N4	68	0.2	2	10	28		Str width: 6-10; AV str dpth: 1-2; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: diorite; Float: mostly diorite, no ore dissemination visible

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3285-S	LCA2, E8, N3	72	0.8	4	34	46		Str wtdh: 6-10; Av str dpth: 1-2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: diorite; Float: diorite blacks, no ore dissemination visible
3286-S	LCA2, E11, N5	35	0.1	1	6	58	Au -.1	Str wtdh: 6-10; Av str dpth: 1-2; In flood: yes; Size: clay; Str situs: alluvial; Float: quartz diorite 50%, diorit e20% granite 30%
3287-R	LCA2, E11, N5	12	0.1	1	8	42	Au -.1	Type: chip; Bedrock: yes; Bedrock description: quartz diorite, biotite quartz diorite, medium grained some biotite is found cataclastic texture, no evidence of hydrothermal alteration, neither ore dissemination
3288-S	LCA2, E10, N5	34	0.2	2	10	40		Str wtdh: < 1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: quartz diorite, some blocks have xenolites of gabbro and diorite
3289-S	LCA2, E10, N5	27	0.2	1	8	46	Au -.1	Str wtdh: 10-15; Av str dpth: 1-2; In flood: yes; Size: clay; Str situs: alluvial; Float: diorite 60%, quartz diorite, 20% granite 20%



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3290-S	LCA2, E9, N5	<u>220</u>	<u>0.3</u>	<u>3</u>	<u>10</u>	<u>60</u>	As -10	Str width: 1-3; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Float: coarse diorite, biotite abundant, no alteration neither ore dissemination
3304-R	ILD2, E12, N13	<u>26</u>	<u>0.9</u>	<u>1</u>	<u>13</u>	<u>105</u>	Au -.1 As -5	Type: chip; Bedrock: yes; Bedrock description: medium grained, relatively light colored diorite to quartz diorite, some feldspars possibly saussuritized, slight of chloritization, fine dissemination magnetite, relatively dense sinuous straining (shearing?)
3305-S	ILD2, E12, N13	61	0.9	-1	6	72	Au -.1 As -5	AV str dpth: dry; In flood: no; Size: sand; Str situs: colluvial; Float: sample taken from now dry "felsumeer" of diorite, sample is coarse
3306-R	ILD2, E12, N13	<u>19</u>	<u>0.6</u>	<u>-1</u>	<u>13</u>	<u>68</u>	Au -.1 As -5 spectro	Type: chip; Bedrock: yes; Bedrock description: fine grained, occasionally banded to schistose, heavily altered rock, possibly former diorite which rudervent both propylitization and silicification (mafic all chloritized epidote and silica-rich areas) show hematite stains, rusty surfaces and slightly magnetite
3307-S	ILD2, E12, N12	117	1.1	-1	8	96	Au -.1 As -5	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: colluvial; Float: draining small snowfield, rubble is intrusively propylitized diorite, many fragments slickensided
3308-R	ILD2, E12, N12	<u>31</u>	<u>0.7</u>	<u>1</u>	<u>10</u>	<u>88</u>	Au -.1 As -5	Type: chip; Bedrock: yes; Bedrock description: leucocratic (due to alteration) phase of diorite, micas mainly biotite but muscovite also, show foliation are coarse grained and at least partly secondary feldspar coarse epidote, veinlets, extrusive, chlorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>3309-S</del>	<del>ILD2, E12, N12</del>	150	0.9	-1	7	76	Au -.1 As -5	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: colluvial; Float: draining talus slope dominated by chloritized diorite fragments
<del>3310-S</del>	<del>ILD2, E12, N12</del>	15	0.7	-1	9	69	Au -.1 As -5	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on talus slope, for source rock, see 3361
<del>3315-S</del>	<del>LCA2, E11, N1</del>	42	0.2	1	10	32		Str wdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: quartz diorite, hornblende biotite diorite 25%, quartz diorite 60%, diorite 15%
3316-R	LCA2, E11, N1	18	<del>-.1</del>	1	20	16	Au -.1 As -10	Type: grab; Float: yes; Bedrock: biotite quartz diorite, sericitically altered biotite quartz diorite with about 3% pyrite altered is restricted to vein line areas but with little quartz or sulfide development about 1% of float is so altered
3317-R	LCA2, E11, N1	10	0.2	4	8	6	Au -.1 As -10	Type: grab; Float: yes; Sample: specular hematite with disseminated pyrite in marble, hematite up to 4 mm thick and pyrite at .1 mm grains, perhaps 1% pyrite, one float fragment
<del>3318-S</del>	<del>LCA2, E11, N1</del>	26	0.1	1	12	44		Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartzite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3319-S	LCA2, E12, N1	33	0.1	11	10	24		Str width: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: yes; none observed, moderately to lightly iron stained float about 10% of stream float, some clumps of transported limonite, fragment of pyrite, bearing quartz veins with crystals of quartz to 3mm and light pyrite staining observed
3320-S	LCA2, E12, N1	65	0.4	13	12	50		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: muscovite granite; Float: muscovite granite, a rhyocrosite pink alge is growing on rocks in the stream, Mn rich?
3321-S	LCA2, E13, N1	51	0.4	1	12	24		Str width: 10-15; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: biotite granite; Float: biotite granite 75%, quartz diorite, 20% Diorite 5%
3322-S	LCA2, E13, N1	17	0.4	1	12	28		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: bedrock; Float: muscovite granite with flakes of muscovite 1 cm square and rounded inclusions
3323-S	LCA2, E6, N6	7	-1	1	6	24		Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz
3333-S	ILD2, E6, N14	3	0.1	-1	6	16		Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: granodiorite with bookx of muscovite, granodiorite is equigranular below 2220' diorite appears and then around 2100' goes back into granodiorite or quartz diorite, with some chloritic alter.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3334-S	ILD2, E7, N15	15	0.2	-1	12	50		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: granodiorite, with books of muscovite
3335-S	ILD2, E7, N15	10	0.1	-1	9	46		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 70% granodiorite, 30% porphyritic dacite
3336-S	ILD2, E7, N15	26	-1	-1	13	42		sStr wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: mainly muscovite, granodiorite with some biotite dacite
3337-S	LCA,1 E2, N5	100	0.2	1	10	66	As -10	Str wtdh: 10-15; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial-0 bedrock; Bedrock description: equigranular muscovite granite, 60% foliated and non foliated hornblende diorite, 40% muscovite granite, some with blebs of chalcopyrite with associated malachite
3338-S	LCA,1 E1, N4	21	0.1	1	12	40		Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial; Float: coarse grained barren muscovite granite
3339-S	LCA,1 E1, N4	20	-1	1	11	46		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: coarse grained barren muscovite granite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3340-S	LCA2, E3, N3	10	0.4	-1	15	68		Str wtdh: 10-15; Av str dpth: 1/2-1; In flood no; Size: silt; Org: low; Str situs: glacial-bedrock; Float: coarse grained equigranular quartz biotite diorite, 99%, 1% or less granodiorite pophyry with 1/2% garnet and sl trace very fine grained MoS2???
3341-D	LCA2, E4, N3	63	0.7	-1	40	56		Depth: 3 inches; Size: sand-silt; Moist: dry; Color: green; Soil situs: colluvial; Org: low; Froz: no; Float: 95% and quartz diorite biotite with up to 1% disseminated fine grained pyrite, less than 5% andesite
3342-R	LCA2, E4, N3	67	0.5	6	9	8	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Float: sample of pyritic(quartz diorite?) perhaps 5% sulfide originally now largely oxidized, a little blood red limonite suggests that arenopyrite was also present strong quartz and weak sericite alteration sample represents of about 1/2% of float at this locality, originates from spur
3343-D	LCA2, E5, N3	66	1.3	1	92	96	Au -.1 As -10	Depth: 6 inches; Size: sand-silt; Moist: medium; Color: yellow-brown; Soil situs: coluvial; Org: low; Froz: no; Float: various intrusive eg diorite, unmineralized granodiorite, alaskite, quartz monzonite(?) with commonly 1-2% pyrite, largely oxidized, some jaronite, very rare fine grain MoS2, on fractures, quartz sericite alteration, weak-strong fairly common, quartz and sericite, some tourmaline(?) cemented breccia noted

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3344-S	LCA2, E5, N3	170	0.5	1	13	92		Str width: 15-25; Av str dpth: 0-1/2; In flood no; Size: silt; Org: low; Str situs: alluvial; Float: quartz diorite, diorite, granodiorite all some pyritic, probably derived from to west of sample 3343
3345-S	LCA2, E5, N3	43	0.4	1	11	42	Au -.1 As -10	Str width: 10-15; Av str dpth: 0-1/2; In flood no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: diorite outcrops, only weak pyrite, up stream various(?) intrusives with weak-strong limonite stain, moderate-light fractured pyrite (and rare arsenopyrite?) in float intrusives up to 2%, very rare oxide copper on fractures
3346-S	LCA2, E5, N3	100	1.6	10	28	56	Au -.1 As -10	Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-bedrock; Float: coarse grained equigranular quartz biotite diorite and probably some more acid intrusives up to 2% pyrite disseminated some quartz sericite alteration, especially of mineralized rocks
3347-S	LCA2, E5, N3	84	0.8	14	34	40	Au -.1 As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: similar to 3346, some fernerete in float

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3348-S	LCA2, E5, N3	120	2.2	55	38	54	Au -.1 As -10	Str wth: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: biotite (quartz diorite) and (diorite) lesser granodiorite (?) porphyry or more up to 2% mush pyrite in some rocks, associated quartz sericite alteration
3349-S	LCA2, E5, N3	45	0.8	4	20	62	Au -.1 As -10	Str wth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Float: predominantly quartz biotite diorite, coarse grained equigranular, generally little or no pyrite but a few boulders with up to 2% or more disseminated pyrite, also show quartz sericite alteration
3350S	LCA2, E5, N2	210	1.3	18	42	74		Str wth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Float: coarse grained quartz hornblende diorite, with up to 1% disseminated magnetic weak-moderately developed memetoblastic texture, little or no sulfides or alteration
3351-S	LCA2, E6, N6	16	0.1	-1	8	44		Str wth: 10-15; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite, quartz monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3352-S	LCA2, E6, N6	12	0.3	-1	5	44		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz monzonite, with alteration to muscovite on fractures, but with no associated sulfides
3353-S	LCA2, E6, N6	10	0.3	-1	4	32		Str width: 10-15; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite muscovite quartz monzonite
3354-S	LCA2, E7, N5	37	0.3	-1	10	50		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz monzonite
3355-S	LCA2, E7, N5	9	0.3	-1	3	14		Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz diorite with crude foliation of biotite and accessory epidote 90%, diorite and other graniticis 10%, ultra basic rocks less than 1%



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3356-S	LCA27 E7, N5	23	0.3	-1	10	68		Str width: 6-10; Av str dpth: 0-1/2; In flood no; Size: silt; Org: low; Str situs: alluvial; Bedrock: biotite quartz monzonite; Float: 90% biotite quartz diorite with crude biotite foliation and secondary epidote
3357-S	LCA2, E7, N5	11	0.2	-1	4	24		Str width: 15-25; Av str dpth: 2; In flood no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: foliated biotite quartz diorite 95%, diorite, other granitic rocks 5%
3358-S	LCA2, E7, N5	42	0.6	-1	17	98		Str width: 3-6; Av str dpth: dry; In flood no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: biotite quartz monzonite, exotic foliated biotite quartz diorite
3359-R	LCA2, E7, N5	12	0.4	1	6	"20		Type: grab; Float: yes; Bedrock: argillicly altered biotite quartz monzonite with pyrite from small area of iron staining at head of creek
3361-R	ILD2, E12, N12	39	0.8	-1	6	51	Au -.1 As -5	Type: chip; Bedrock: yes; Float: very fine grained to aphan buff, color numerous fine mica slivers
3362-R	ILD2, E11, N12	80	0.7	-1	6	59	Au -.1 As -5	Type: chip; Bedrock: yes; Float: medium grained quartz diorite has a buff color tone, shows iron staining
3363-S	ILD27 E12, N12	45	0.6	-1	8	63	Au -.1 As -5	Str width: 1-3; Av str dpth: 0-1/2; In flood no; Size: sand-silt; Str situs: colluvial; Float: draining show patches on talus of rock as 3362

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3364-S	ILD2, E11, N12	220	0.5	-1	5	72	Au -.1 As 5	Av str dpth: dry; Size: sand-silt; Org: low; Str situs: colluvial; Float: dry forever cirque with biotite diorite rubble
3365-S	ILD2, E11, N12	48	0.9	-1	10	63	Au -.1 As 15	Av str dpth: dry; Size: sand; Str situs: colluvial; Float: abandoned cirque biotite diorite talus
3366-S	ILD2, E11, N12	210	1.2	-1	14	155	Au -.1 As 5	Av str dpth: dry; In flood: no; Size: sand; Str situs: colluvial; Float: edge of small snowfield, rock fragments are dioritic
3367-S	ILD2, E11, N12	60	0.3	-1	9	52	Au -.1 As -10	Str wtdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Str situs: glacial; Float: draining, small snowfield on chloritized diorite talus
3368-R	ILD2, E11, N12	<del>6</del>	0.5	1	15	112	Au -.1 As -10 spectro	Type: chip; Bedrock: yes; Float: small skyahith like outcrop in chloritized biotite granite pyrrhotite grains manganese stains
3369-S	ILD2, E11, N12	84	0.4	-1	11	84	Au -.1 As -10	Av str dpth: dry; Size: sand-silt; Str situs: glacial-colluvial; Float: forever glacier bed chloritized diorite talus
3370-S	ILD2, E11, N12	38	0.2	-1	7	54	Au -.1 As -10	Av str dpth: dry; In flood: no; Size: sand; Str situs: glacial-colluvial; Float: dried up playa at head of water course, float

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3371-D	ILD2, E5, N9	16	-0.1	-1	9	24		Depth: 4 inches; Hor: B; Size: silt; Moist: medium; Color: brown; Soil situs: residual; Org: low; Froz: no; Bedrock: bedrock is of granodiorite or quartz diorite with some epidote, rock is medium to fine grained Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: residual; Org: low; Froz: no; Bedrock: is granodiorite or quartz diorite with some chloritic acterations
3372-D	ILD2, E4, N9	21	0.4	-1	12	26		
3373-D	ILD2, E4, N10	11	-0.1	-1	8	24		Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: residual; Org: low; Froz: no; Float: bedrock, granodiorite or diorite
3383-S	ILD2, E10, N9	24	0.2	1	8	26		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: medium grained equigranular diorite biotite
3399-S	ILA4, E7, N18	20	0.7	1	11	37		Str wtdh: 3-6; Float: hornblende diorite talus
3400-S	ILD2, E6, N15	28	0.2	-1	7	63		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: outcrop and detritus of biotite diorite, in some rock biotite is replaced by muscovite, large flakes Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: muscovite, diorite gneiss with large books muscovite up to 1 1/2" diameter, has traces of red garnet also
3401-S	ILD2, E6, N15	15	0.3	-1	17	72		

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3402-S	ILD2, E8, N15	25	0.3	1	12	50		Str wtdh: 6-10; Av str dpth: 0 -1/2; In flood no; Size: silt-clay; Org: low; Str situs: alluvial; Float: west side of stream muscovite diorite gneiss east side of quartz porphyry of monzonite(?) composition
3403-S	ILD2, E8, N15	17	0.3	1	11	55		Str wtdh: 6-10; Av str dpth: 1/2-1; In flood no; Size: silt; Org: low; Str situs: alluvial; Float: muscovite diorite gneiss cut by 2" veins of quartz feldspar pegmatite 2-4 apart
3404-S	ILD2, E8, N15	24	0.2	-1	19	51		Str wtdh: 6-10; Av str dpth: dry; In flood no; Size: silt; Org: medium; Str situs: alluvial; Float: talus of muscovite, diorite gneiss, outcrop of small area 100' x 150' of vesicular to andesite with vugs filled with siderite(?) in diorite gneiss
3405-S	ILD2, E6, N10	-	0.1	-1	5	30		Str wtdh: 6-10; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Org: low; Str situs: alluvial; Float: biotite diorite
3406-S	ILD2, E6, N9	6	0.1	-1	5	31		Str wtdh: 10-15; Av str dpth: 0-1/2; In flood no; Size: sand-silt; Org: low; Str situs: alluvial; Float: biotite diorite outcrop and talus
3407-S	ILD2, E5, N10	13	0.3	-1	10	42		Str wtdh: 6-10; Av str dpth: 0-1/2; In flood no; Size: sand-silt; Org: low; Str situs: alluvial; Float: biotite diorite, continues
3408-S	ILD2, E5, N10	12	0.4	-1	11	35		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood no; Size: silt; Org: medium; Str situs: alluvial; Float: slow moving stream drains local area of fractured and weathered

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3409-S	ILD2, E4, N10	16	0.5	-1	10	62		Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: gully draininag iron stained granodiorite, mafics gone to sericite, has disseminated pyrite and fracture surface pyfite weakly argillized
3410-R	ILD2, E4, N10	<u>9</u>	<u>0.1</u>	<u>1</u>	<u>4</u>	<u>30</u>	Au -.1	Type: grab; Float: yes; Float description: grab sample of float of moderately altered granodiorite, has moderate pyrite as disseminated and fractures, some sericite, run for gold
3422-S	SD8, E3, N13	140	0.8	1	10	" 52		Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial-bedrock; Float: outcrop of arkoses graywacke with some interbedded limy siltstone
3423-S	SD8, E2, N16	41	0.6	1	6	28		Str wdth: 10-15; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvia. Float: andesite flows recent tufts pyrrhotiz and rhyolite(?) float
3424-S	KEB8, E8, N4	54	0.8	1	21	74		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: stream draining mostly talc of pyrritized rhyolite, some float of diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3425-R	KEB8 E9, N4	22	1.8	8	70	46	Au -.1	Type: grab; Float: talus of rhyolite strongly iron stained from disseminated pyrite, not high graded, whole rock
3426-S	KEB8, E8, N4	69	0.8	1	13	94		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: hornblende, diorite, talus
3427-S	KEB8, E8, N4	68	0.9	1	45	98		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: outcrop and talus of diorite, some gneissic, .5% of float, pyrotized rhyolite
3428-S	KEB8, E8, N3	60	0.9	4	15	68		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: hornblende diorite and gran diorite
3429-S	KEB8, E8, N3	200	1.2	1	24	160		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende diorite weakly epidotized epidote, chlorite along some fractures, trace of malachite, here and there along some of above fracture surfaces

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3430-S	KEB8, E8, N3	84	0.9	6	18	82		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: hornblende diorite detritus slight iron stain from trace pyrite high on cliff face
3431-R	KEB8, E12, N10	16	1.2	9	21	64	Au -.1	Type: grab; Float: yes; Bedrock: main stream is fault zone, talus in small gully of strongly sheared and broken meta diorite and lesser amounts of meta siltstone(?) sample is fo better material having strong disseminated pyrite, sericite, some epidote and hematite, small area of strong pyrite
3432-R	KEA7, E13, N15	50	0.8	1	10	50	Au -.1	Type: grab; Bedrock: yes; Bedrock description: graywacke
3433-S	KEB8, E10, N5	52	0.6	1	26	136	As -10	Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial-bedrock; Bedrock description: hornblende biotite diorite, mafics magnetic Float: 90% hornblende diorite biotite, 10% porphyritic andesite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3434-S	KEB8, E10, N5	88	0.7	-1	18	68	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: high; Str situs: alluvial; Bedrock: hornblende biotite granodiorite; Float: 75% porphyritic andesite and andesite breccia, 25% granodiorite
3435-R	KEB8, E10, N5	<u>25</u>	<u>7.0</u>	<u>6</u>	<u>71</u>	<u>30</u>	Au -1 Hg 70	Type: grab; Float: yes; Float description: porphyritic andesitic and andesite breccia chlorite and epidote alteration, 1% iron stained, alaskite(?) with disseminated pyrite up to 5% some rock contain pyrrhotite, one andesite boulder with magnetite on fracture
3436-S	KEB8, E10, N5	50	0.6	-2	8	84	As -20 Hg 30	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: 60% granodiorite, 40% porphyritic andesite and andesite breccia
3437-S	KEB8, E10, N5	150	0.8	-1	19	330	As -10	Str wtdh: < 1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: hornblende biotite granodiorite and quartz diorite, a few grains of disseminated pyrite



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3438-S	KEB8, E10, N5	36	0.6	1	12	56	As -10	Av str dpth: dry; Size: sand-silt; Org: low; Str situs: alluvial; Float: 50% dacitic welded tuff and tuff breccia, 25% iron stained rhyolite with disseminated pyrite, some bleached, some chlorite and epidote alteration of feldspars, 20% porphyritic andesite, 5% pumice and scoria (recent)
3439-R	KEB8, E13, N9	<del>7</del>	<del>0.5</del>	<del>1</del>	<del>6</del>	<del>2</del>	Au -.1	Type: grab; Float : yes; Hi graded: yes; Float description: 50% dacitic welded tuff and tuff breccia, 25% iron stained rhyolite with disseminated pyrite (sample) some rhyo bleached, some chlorite and epidote alteration of feldspars, 20% porphyritic andesite, 5% pumice and scoria (recent)
3440-S	KEB7, E1, N17	40	0.5	-1	7	46	As -10	Str wtdth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs alluvial; Float: 90% homblende biotite quartz dirite and epidotized homblende biotite granodiorite, 5% diorite, 2% recent volcanics mainly pumice and scoria
3441-S	KEB7, E1, N17	62	0.7	-1	8	44	As -10	Str wtdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Bedrock description: homblende biotite diorite, some epidote and chlorite alteration, secondary feldspar on fractures, s lickensided, less than 1% recent volcanics

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3442-R	KEB7, E1, N16	360	0.9	1	9	30	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: hornblende biotite diorite 50% iron stained with up to 10% coarse to fine grained disseminated pyrite chlorite and epidote alteration and slicken- sides
3443-S	KEB7, E1, N16	57	0.6	-1	9	50	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: hornblende biotite diorite, chlorite and epidote alteration, some 3% rock contain disseminated pyrite
3444-S	KEB7, E1, N16	46	0.8	-1	8	52	As -10	Str wdth: 15-25; Av str dpth: 1/2-1; In flood: no; Size: sand silt; Org: low; Str situs: alluvial; Float: 65% hornblende biotite diorite and granodiorite, 10% porphyritic dacite, 25% recent volcanics scoria and tuff
3445-S	KEB7, E1, N16	40	0.3	1	186	56	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs alluvial; Float: hornblende biotite diorite chlorite and epidote alteration
3454-R	ILD2, E11, N12	48	0.4	1	17	46	Au -.1 As -10 spectro	Type: chip; Bedrock: yes; Bedrock descrip- tion: totally propylitized diorite, some are as dark green, chloritic, others are orthoclase and quartz, very minor pyrrhotite
3455-S	ILD2, E11, N12	170	0.3	-1	11	76	Au -.1 As -10	Av str dpth: 0-1/2; In flood: no; Size: sanc Str situs: colluvial; Float: dry watercourse on talus fragments as 3454
3456-S	LCAL, E3, N4	89	0.6	1	10	50	Au -.1 As 30	Str wdth: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: alluvial; Float: drainage to north from saddle which

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3457-S	LCA1, E3, N4	76	0.4	1	8	44	Au -.1 As 20	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: drainage from west into saddle, dioritic talus
3458-S	LCA1, E3, N4	76	0.5	1	10	48	Au -.1 As 20	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: drainage from east into saddle dioritic talus
3459-S	LCA1, E3, N4	84	0.5	1	10	50	Au -.1 As 20	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Str situs: alluvial; Float: drainage from saddle, pond to south dioritic talus
3460-R	LCA1, E3, N4	34	0.4	520	8	44	Au -.1 As -10 spectro	Type: chip; Rubcrop: yes; Hi graded: yes; Float: about 6 inches wide leached mud iron stained quartz vein in propylidized diorite, vein walls are schistose epidotize quartz over some fine arsenopyrite graphite galena, and possibly wire silver source of the hostrock, is fine grained and has a schisty texture

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3461-S	LCA1, E2, N4	99	0.6	2	12	50	Au -.1 As 40	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand; Str situs: colluvial; Float: drains area of sample 3460, some rusty quartz fragments in talus
3462-S	LCA1, E3, N4	120	0.5	1	16	50	Au -.1 As 20	Str wtdh: <1; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Str situs: alluvial; Float: drains small abandoned cirque rubble is porphyritized diorite, many epidote bearing fragments
3463-S	LCA1, E3, N3	34	0.5	1	12	24	Au -.1 As -10	Str wtdh: 6-10; Av str dpth: 1-2; In flood: no; Size: sand-silt; Str situs: glacial; Float: diorite talus grass and brush
3464-S	LCA1, E3, N3	20	0.5	1	8	18	Au -.1 As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on base fine dioritic rubble
3465-S	LCA1, E3, N3	19	0.5	1	10	18	Au -.1 As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Str situs: colluvial; Float: watercourse on brush covered slope
3466-S	LCA1	29	0.5	1	12	26	Au -.1 As -10	Watercourse dry, extremely propylitized diorite or metadiorite.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3467-R	LCA1, E2, N3	71	0.5	1	8	60	Au -.1 As -10 spectro	Type: chip; Bedrock: yes; Float: meta diorite or diorite gneiss, extremely propylitized gneiss to schistose texture, numerous white feldspar accumulations quartz veins, bluish magnetitized magnetite Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: drainage area of rock sample 3467 over talus of metadiorite fragments
<del>3468-S</del>	<del>LCA1, E2, N3</del>	40	0.8	1	12	24	Au -.1 As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: alluvial; Float: bedrock, drainage less pond on summit dry
<del>3469-S</del>	<del>LCA1, E2, N3</del>	29	0.5	1	10	28	Au -.1 As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: alluvial; Float: bedrock, drainage less pond on summit dry
<del>3470-S</del>	<del>LCA1, E2, N3</del>	33	0.5	1	12	24	Au -.1 As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Float: talus drainage now dry, on meta diorite
<del>3471-S</del>	<del>LCA1, E2, N3</del>	41	0.5	1	10	40	Au -.1 As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Special spl notes: drainir small platform, rubble is meta diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3472-R	LCA2, E13, N2	<u>19</u>	<u>0.3</u>	<u>3</u>	<u>10</u>	<u>17</u>	Au -.1 As -5 spectro	Type: chip; Bedrock: yes; Float: totally leucocratic granite(alaskite) composed of quartz, white feldspars and muscovite grain size medium texture granitic, very fine silvery specks sparsely disseminated abundant iron rust and red powdery hematite coating
3473-R	LCA2, E13, N2	<u>13</u>	<u>0.2</u>	<u>1</u>	<u>4</u>	<u>16</u>	Au -.1 As -5	Type: chip; Bedrock: yes; Float: weathered alaskite generously coated with iron rust
3474-R	LCA2, E13, N2	<u>20</u>	<u>0.2</u>	<u>1</u>	<u>6</u>	<u>19</u>	Au -.1 As -5	Type: chip; Bedrock: yes; Float: slightly darker phase of alaskite greyish tinge probably due to very fine muscovite specks, rust stained
<del>3475-S</del>	<del>LCA2, E13, N2</del>	<del>22</del>	<del>0.4</del>	<del>4</del>	<del>13</del>	<del>39</del>	Au -.1 As 5	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-; Str situs: glacial-colluvial; Float: drains small pond at base of alaskite outcrop, former cirque
3476-R	LCA2, E13, N2	<u>120</u>	<u>1.1</u>	<u>1</u>	<u>12</u>	<u>110</u>	Au -.1 As -5	Type: chip; Bedrock: yes; Float: fine grained light gray rock, rhyodacite(?) very minor fine silvery metallic specks

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3477-S	ICA2, E13, N2	30	0.9	-1	11	37	Au -.1 As -5	Str width: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial-bedrock Float: draining from forever cirques on steep with sides
3484-S	KEA8, E3, N1	44	0.2	-1	10	58	Au -.1 As 10	Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on thin bedded clastics
3485-S	KEA8, E8, N1	41	0.1	-1	11	60	Au -.1 As -10	Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on thin bedded clastics
3486-S	KEA8, E8, N1	44	0.2	-1	11	60	Au -.1 As -10	Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on thin bedded clastics
3487-S	SED8, E8, N18	49	0.2	-1	11	60	Au -.1 As -10	Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on thin bedded clastics
3488-S	SED8, E8, N18	42	0.1	-1	9	60	Au -.1 As -10	Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Type: chip; Float: on thin bedded clastics

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3489-S	KEA8, E8, N1	44	0.1	-1	10	60	Au -.1 As -10	Str wtdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: c thin bedded clastics
3490-S	KEA8, E8, N1	44	0.1	-1	10	60	Au -.1 As -10	Str wtdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: collu- vuaila-bedorkc; Float: on thin bedded clastics
3491-S	SED8, E8, N17	42	0.1	-1	9	60	Au -.1 As -10	Str wtdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: on thin bedded clastics
3492-S	SED8, E9, N18	45	0.1	1	11	60	Au -.1 As -10	Str wtdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on clastics
3493-S	SED8, E9, N17	44	0.1	1	9	58	Au -.1 As -10	Str wtdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: alluvial;; Float: on thick clastic beds



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2494-S	SED8, E9, N17	44	0.2	1	10	60	Au -.1 As -10	Str wdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on thick clastic bands
3495-S	KEB8, E7, N4	47	0.8	-1	10	28	Au -.1 As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: creek is former cirque over slightly chloritized biotite diorite rubble rock, medium trained, tight texture, no visible mineralization
3496-S	KEB8, E7, N4	27	0.4	-1	8	24	Au -.1 As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Str situs: colluvial; Float: drains on biotite chlorite and quartz monzonite rubble
3497-S	KEB8, E7, N4	74	0.6	1	15	104	Au -.1 As 20	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: drains on very mixed, post moraine rubble
3498-S	KEB8, E7, N4	36	0.3	-1	7	42	Au -.1 As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: on diorite and monzonite rubble

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3499-R	KEB8, E6, N4	<u>64</u>	<del>X</del> 0.6	5	9	<u>52</u>	Au -.1 As -10	Type: chip; Float: yes; Float description: monzonite-quartz monzonite float heavily iron stained
3500-S	KEB8, E6, N3	44	0.6	3	10	40	Au -.1 As -10	Str wth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on iron stained monzonite talus
3501-S	KEA8, E2, N2	50	0.4	1	7	105	As 50 Cd 0.3	Str wth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: outcrop is finely laminated dark gray siltstone/argillite str dip 0350/150E this is conformably overlain (some interbedding) with a light colored rhyolitic volcanic breccia (fragments up to 4" but generally about 1") 1% vein quartz float, creek traces of scovodite seen in ore piece, sample taken just below fork
3502-S	KEA8, E3, N2	48	0.4	1	19	96	As 20 Cd 2.2	Str wth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Bedrock description: outcrop in creek bed is coarse grained rhyolitic tuff and or tuffaceous sandstone and some argillite fragments up to 1" or more (generally less than 1/4") overlying this are dark gray chippy argillites

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3503-S	KEA8, E3, N3	44	0.4	1	11	101	As -10	Str wdth: 3-6; Av str dpth: 0-1 1/2; In flood no; Size: silt; Org: low; Str situs: bedrock Bedrock description: andesite(or possibly rhyodacite)volcanics to west of creek, pale green feldspars(minor quartz/) and homblende phenocrysts in plot) block shales fine chippy to east of creek, Intrusive(dyke?) contact? sample probably most strongly reflects, black shale geochemistry as these break down most easily Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines; Org: low; Froz: no; Float: predom- inantly andesite volcanics(and minr rhyodacite?) lesser volcanogenic sed- iments and coarse grained quartzzone? san- stones; All show chlorite-epidote alter- ation, weak-moderately limonite stained and pyrite 1/2-1%, sample opposite 2' cut boulder on mudflats, 10' above low tide line
3504-D	KEA8, E7, N16	180	0.8	3	14	83	As -10 Cd 1.9	
3505-R	KEA8, E8, N16	<u>71</u>	<u>0.6</u>	<u>2</u>	<u>9</u>	<u>104</u>	Au -.1 As -10	Type: chip; Float: yes; Float description: outcrop on bluff just to east is volcanic cgt rhyolite and andesite cobbles up to 6" pyrites about 2% disseminated, chlorite- epidote alteration, float st sample site on alluvial fan is of andesite, volcanic sediments and minor diorite(diorite with magnetite(up to 5% or mre magnetic between 3505 and 6, sample is representative of all float in alluvial fan, small chips

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3506-R	KEA8, E8, N16	41	1.1	1	5	126	As -10	Type: chip; Float: yes; Float description: predominantly andesite volcanics, epidote alteration of feldspar phenocrysts and epidote on fractures, chlorite alteration throughout, traces of pyrite, represents chip sample of float
3507-D	KEA8 E9, N16	600	1.9	7	45	360	As 90	Depth: 3 inches; Size: silt; Moist: medium Color: brown; Soil situs: talus fines; org: low; Froz: no; Float: chlorite-epidote altered and basalt andesite and volcanic mudstones, also magnetite bearing dolerite in section just to south feldspar porphyry (-1 cm phenocrysts) basalt dikes intruded easterly dipping sediments, most rocks are weakly pyritic and locally up to 3% pyrite
3508-R	KEA8, E9, N16	66,000	10.8	69	8600	130,000	Au -.1 As 220 Cd 1.0	Type: grab; Bedrock: yes; Hi graded: yes; Float: mineralized shear zone, trending approximately e-w to ene, quartz chalcopyrite covellite(?) sphalerite, gabbro, only slightly oxidized, up to 3" thick but discontinuous, country rock is barren (or slightly pyritic) chlorite altered volcanic sediments?"

PROJECT - COOK INLET AZ

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3509-S	KEB8, E10, N2	320	1.0	1	13	520		Str wdth: 3-6; Av str dpth: dry; In flood: n; Size: sand-silt; Org: low; Str situs: collu- vial-bedrock; Bedrock description: outcrop and 100% float is coarse grained equi- granular hornblende diorite with low (less than 5%) magnetite content, locally magnetite altered to hematite, a few quartz veins, moderate-high fracturing
3510-S	KEB8, E11, N12	48	0.8	1	7	80		Str wdth: 10-15; Av str dpth: 0-1/2; In flood no; Size: sand-silt; Org: low; Str situs: alluvial; Float: as for 3509 but no hematite alteration seen
3511-S	KEB8, E12, N12	46	0.8	1	16	186	As -10 Cd 0.7	Av str dpth: dry; In flood: no; Size: sand- silt; Org: low; Str situs: alluvial; Float: porphyritic rhyolite, rhyodacite, dacite volcanics, pale green siltstone, weak chlorite and epidote alteration, no diorite
3512-S	KEB8, E12, N12	44	0.8	1	9	66		Av str dpth: dry; In flood: no; Size: gravé- sand-silt; Org: low; Str situs: alluvial; Float: predominantly microdiorite and granodiorite, some chlorite and epidote alteration and traces of pyrite, aless than 5% magnetite in both

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3513-S	KEB8, E12, N12	35	0.4	4	3	100	As -10	Str width: 6-10; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Float: hornblende magnetite microdiorite(also in outcrop) quartz porphyritic dacites, pale green gray siltstone, minor granodiorite and other volcanic disseminated up to 2% pyrite, in microdiorite, 65% float moderate limonite stained, fracturing high
3514-R	KEB8, E13, N12	<u>130</u>	<del>0.8</del>	<u>10</u>	<u>22</u>	<u>112</u>	Au -.1 As -10 Cd 0.4	Type: chip; Float: yes; Float description: 50% 1/4-1" pumice fragments(frum redoubt?) 50% microdiorite and dacite etc volcanics, minor limonite stain in bluff, represents float sample, small chips, but excluded the pumice fragment
3515-S	KEB8, E13, N13	39	0.7	1	7	70	Cd 0.2	Str width: 15-25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: about 65% coarse grained equigranular hornblende diorite with minor magnetite, some chlorite alteration, 35% dark gray dacite volcanics and tuffs, relatively unaltered
3516-S	KEB8, E13, N13	42	0.6	1	8	38	Cd 1.9	Str width: >25; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 100% coarse grained equigranular hornblende diorite with minor magnetite some weak chlorite alterations

PROJECT - COOK INLETA

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3517-R	KEB7, E4, N17	84	X 1.1	2	10	46		Type: chip; Float: yes; Float description: 100% coarse grained equigranular hornblende and magnetite and biotite (quartz) diorite a little chlorite alteration and some 2 ndery K-spar along fractures Str wdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 97% hornblende magnetite diorite as for 3517, 3% coarse grained equigranular biotite quartz monzonite Str wdh: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 25% coarse grained equigranular hornblende magnetite diorite as for 3517, 75% coarse grained equigranular, quartz biotite monzonite, some magnetite biotite
3518-S	KEB7, E4, N17	55	0.8	1	10	70	Cd 0.7	
3519-S	KEB7, E4, N17	19	0.7	1	8	40	Cd 1.6	
3520-S	KEB7, E5, N17	68	0.8	12	8	52	As -10	Str wdh: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 90-85% coarse grained-medium grained equigranular hornblende magnetite diorite, some with weak iron stain, less than 5% coarse grained equigranular biotite quartz monzonite, 10% dacite porphyry with 0-2% disseminated pyrite, weak-moderate chlorite alteration

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3521-S	KEB7, E1, N16	51	0.4	1	10	61	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs alluvial; Float: hornblende biotite diorite, chlorite and epidote alteration
3531-S	KEA8, E9, N10	45	0.9	1	16	80	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: alluvial; Float: sandy limonite sediment
3532-S	KEA8, E10, N10	51	1.0	1	14	82	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: sandy ped
3533-S	KEA8, E10, N11	42	0.9	1	14	76	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: sandy lime sediment
3534-S	KEB8, E10, N3	31	0.3	1	31	73	As -10	Str wtdh: 3-6; Avstr dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: breccia(rhyodacite) rhyodacite porphyry(?) float material, rhyodacite porphyry, some iron stained, showing a minor pyrite dissemination
3535-R	KEB8, E10, N3	41	<del>0.6</del>	1	22	<del>107</del>	As -10	Type: chip; Bedrock: yes; Float: rhyodacite porphyry showing pyrite dissemination
3536-S	KEB8, E10, N3	45	0.4	2	33	91	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; Size: sand; Str situs: alluvial; Float: rhyodacite breccia, float, rhyodacite 60%, dacite 40%



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3537-S	KEB8, E10, N3	28	0.4	1	26	106	As -10	Str wth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: rhyodacite, breccia
3538-S	KEB8, E10, N3	46	0.5	1	8	97	As -10	Str wth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Org: low; Str situs: alluvial; Float: rhyodacite(breccia)
3539-R	KEB8, E10, N3	110	0.4	1	52	76	As -10	Type: chip; Rubcrop: yes; Float: dacite very recrystallized and silicified dacite, showing pyrite dissemination, iron stained sample, it comes from upper part, which displays iron stained zone
3540-R	KEB8, E10, N2	83	0.6	2	64	119	As -10	Type: chip; Bedrock: yes; Float: dacite, strongly silicified and recrystallized dacite very iron stained outcrop and sample, showing some pyrite dissemination(uniform)5% limonite and hematite ore found in fractures and vugs
3541-R	KEB8	38	0.6	3	12	76	As -10	Dacite. Recrystallized and silicified, strongly iron stained, showing some pyrite dissem. Limonite and hematite cover outcrop and sample. Some areas look like skarn.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3542-S	KEB8, E5, N11	44	0.3	-1	15	68	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, float diorite, same chloritized boulders are found in the stream
3543-S	KEB8, E5, N11	45	0.3	-1	7	47	As -10	Str width: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, very rich in gratio, some chlorite is found in boulders
3544-S	KEB7, E3, N9	32	0.3	-1	4	62	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite, very basic dacite no visible any ore dissemination and alteration
3545-S	KEB7, E3, N9	29	0.4	-1	4	51	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite very basic, no ore dissemination visible, no alteration
3546-S	KEB7, E3, N9	36	0.4	1	19	90	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite 50%, rhyolite 20%, porphyry 20%, brecciated role 10%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3555-R	LCC3, E6, N7	13	0.3	1	24	58	Au -.1 Be 5 As -10 W -.0025% Sn -.0025%	Type: chip; Bedrock: yes; Bedrock description: sample is of altered rhyolite with aplitic texture, andesite breccia forms it southern contact, sample was taken over 200' with no visible mineralization, extent of outcrop of rhyolite and andesite is perhaps 75' float, rhyolite, andesite, dacite, gray-wacke, volcanic breccias, tuffs and pumice Str width: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: volcanics, rhyolite, dacite, andesite, volcanic breccias, siltstone, some volcanics, are porphyritic except rhyolite, rhyolite and andesite seem to be the only breccias Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: mainly dacites and rhyolite
3556-S	LCC3, E6, N7	17	0.7	1	20	61	Be -2 As -10 W 6 Sn -10	
3557-S	LCC3, E6, N7	20	1.0	2	30	86	Be -2 As -10 W 6 Sn -10	
3558-S	LCC3, E6, N7	18	0.9	1	22	70	As -10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: rhyolite, dacite, basalt volcanic breccias, of rhyolite and dacite, some jasperoid(?) ac, porphyritic dacites Type: grab; Float: yes; Float description: acid to abasic volcanics, welded tuffs, and tuff breccias, some rock amygdaloidal, sample, dark brown dacitic(?) welded tuff, iron stained
3559-R	LCC3, E5, N8	13	0.3	4	30	142	Au -.1	
3560-R	LCC3, E5, N8	10	0.1	6	28	135	Au -.1	Type: grab; Float: yes; Float description: acidic to basic volcanics, welded tuffs, and tuff breccias, some chlorite and epidot alteration, sample-iron and Mn stained dacitic(?) welded tuff, pumice discoids

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3561-R	L CC3, E5, N8	11	0.1	1	50	156	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float: dacitic(?) welded tuff and tuff breccia, many large pumice, discoids up to 6 inches long some rock (1%) contain layers of siliceous concretions (sample) Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Bedrock: porphyritic trachyte(?); Float: acidic to intermediate volcanics
3562-S	LCC3, E5, N8	19	0.3	1	39	113	As -10	Type: grab; Float: yes; Float description: acid to basic volcanics, welded tufts, and tuff breccia; Bedrock: latite(?) tuff breccia
3563-R	LCC3, E5, N8	13	0.1	1	20	124	Au -.1	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: acid to basic volcanics, welded tufts, tuff breccias some rock contain many lithophysae up to 2 cm diameter
3564-S	LCC3, E5, N8	24	0.2	1	40	110	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: acid to basic volcanics, welded tufts, tuff breccia some rock contain many lithophysae some up to 2 cm diameter
3565-S	LCC3, E4, N8	18	0.2	1	18	160	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: acid to basic volcanics, welded tufts, tuff breccia some rock contain many lithophysae some up to 2 cm diameter

PROJECT - CCOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3571-R	KEB8, E9, N14	15	0.3	1	5	34	Au -.1 As -10	Size: silt; Type: chip; Bedrock: yes; Float: monzonite, even grained (medium sized) tight very minor chloritization
3572-R	KEB8, E9, N14	35	0.6	1	7	34	Au 0.1 As -10	Type: chip; Bedrock: yes; Float: dacite and volcanic agglomerate with dacite matrix, iron rich
3573-S	KEB8, E8, N14	40	0.6	1	7	40	Au -.1 As -10	Str width: 1-3; Av str dpth: 1-2; In flood: no; Size: sand-silt; Str situs: bedrock; Float: on monzonite bedrock
3574-S	KEB8, E8, N13	35	0.5	1	7	34	Au -.1 As -10	Str width: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on finely comminuted volcanic rubble
3575-R	KEB8, E18, N13	66	1.1	2	15	100	Au -.1 As -10	Type: chip; Float: yes; Float description: sheared and sericitized, fragments of acid intrusive intensely mineralized, with disseminated pyrite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3576-s	KEB8, E8, N13	40	0.4	1	8	48	Au 0.1 As -10	Str width: 1-3; Av str dpth: 1-2; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on feldspar enriched granite rubble below rusty outcrop
3577-S	KEB8, E5, N16	28	0.3	1	6	36	Au -.1 As -10	Str width: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: or partly chloritized diorite rubble
3578-S	KEB8, E5, N15	33	0.7	1	7	76	Au -.1 As -10	Str width: 6-10; Av str dpth: >2; In flood: no; Size: silt; Str situs: aluvial-bedrock; Float: on sheared diorite
3579-S	KEB8, E5, N15	34	0.5	-1	7	48	Au -.1 As -10	Str width: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Str situs: colluvial; Float: on heterogenous volcanic rubbles
3580-S	KEB8, E4, N12	53	0.5	1	8	56	Au -.1 As -10	Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: on diorite rubble

PROJECT -

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3581-S	KEB7, E4, N16	59	0.9	2	9	62		Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: high; Str situs: alluvial; Float: more than 05% coarse grained equigranular hornblende magnetite (less than 5%) diorite, less than 5% biotite quartz monzonite
3582-s	KEB7, E5, N16	34	0.5	1	8	48		Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: 85% pink quartz biotite monzonite weakly magnetic, 15% medium grained equigranular hornblende(magnetic) diorite
3583-S	KEB7, E5, N16	34	0.8	1	11	52		Av str dpth: dry; In flood: no; Size: sand- silt; Org: low; Str situs: alluvial; Float: 60% diorite(as before) 40% quartz monzonite as for 3582
3584-S	KEB7 E5, N15	63	1.0	1	13	98		Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: predominantly hornblende diorite, coarse grained equigranular with magnetite, alteration of hornblende → chlorite
3585-S	KEB7, E5, N15	37	0.7	1	9	52		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 65% equigranular quartz mon- zonite, 35% diorite, hornblende and magnetite chlorite alteration of both

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3597-D	LCC3, E4, N3	23	0.6	1	38	56	As -10	Depth: 10 inches; Size: silt-clay; Moist: medium; Color: brown; Soil situs: alluvial; Org: high; Froz: no; Float: 100% acid, intermediate volcanics tuffs and breccias, coarse grained rhyolite and trachyte
3598-S	LCC3, E4, N3	23	0.4	1	24	66	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 100% acid (intermediate lapilli) crystal, lithic lapilli tuffs, and breccias, coarse grained rhyolites and trachytes
3599=S	LCC3, E3, N3	22	0.5	1	17	63	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: as for 3598
3600-S	LCC3, E3, N3	27	0.6	1	21	54	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: chlorite altered acid intermediate lapilli tuffs (coarse grained rhyolite andesite??)
3601-S	KEB8, E11, N10	59	0.9	2	15	114	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: stream is fault zone of broken meta diorite and some meta volcanic locally strong pyrite as disseminations, strong hematite along fractures surfaces, earthy
3602-S	KEB8, E11, N10	72	0.9	1	12	72	As -10 Cd 0.3	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: outcrop and talus of faulted and broken meta diorite (hornblende) and 10% meta volcanics (andesite). moderate earthy



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3603-S	KEB8, E11, N10	39	0.8	1	40	120	Cd 0.9	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: rock here detritus of mostly smeta volcanics of andesitic composition
3604-R	KEB8, E12, N10	<del>41</del>	<del>1.6</del>	<del>23</del>	<del>20</del>	<del>52</del>	Au -.1	Type: grab; Bedrock: yes; Float: grab sample, over 20 lineal feet of strongly sheared broken, argillized, meta volcanics(?) strong iron stain from pyrite(?) also Mn staining, In main stream fault
3605-S	KEB8, E12, N10	41	0.7	1	13	74		Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: detritus of red and green volcanics flows(?) tuffs and breccias, diorite clasts included in breccias, trace of pyrite only
3606-S	KEB8, E12, N9	53	0.8	1	17	106		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: bedrock of andesitic, volcanics and breccias, major fault intersects stream here, volcanics locally pyritized 1/4" cubes and local argillic alteration colored red and green fault N40°E and 70°N
3607-S	KEB7, E1, N8	32	0.7	1	13	48		Str wtdh: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: outcrop of volcanic breccia and volcanic sandstone, slightly meta morphosed and appears unaltered from faint bedding
3608-S	KEB7, E1, N8	32	0.8	1	10	40		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial-bedrock; Float: andesitic volcanics slight meta morphosed, more flow? metaeria than breccias here, ground is covered by

PROJECT - COOK INLET-A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3609-S	KEB7, E1, N7	36	0.7	1	11	44		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: most rock is andesitic flows(?) tuffaceous sediments, small area of granodiorite(?) also slightly metamorphosed, recent ash 3' thick
3610-S	KEB7, E1, N7	30	0.6	1	9	56		Str width: 306; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: outcrop of meta volcanics and andeitic composition, sediments this area contaminated somewhat by recent ash 1-3' thick from redout
3611-R	KEC7, E3, N3	52	0.9	3	9	80		Type: grab; Float: talus of strongly pyritized hornblende diorite, locally gneissic texture, large iron stained area to north beneath glacier and out of bands to north, carbonate (CaCo3) along recent fractures
3612-S	KEC7, E3, N3	43	0.3	-1	23	57		Str width: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: medium grained hornblende diorite with accessory magnetite, very local iron staining only

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3613-S	KEC7, E3, N3	81	0.4	1	14	54		sStr wtdh: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: glacial; Float: talus of hornblende diorite, area of rock upstream have 1/4" wide feldspar veinlets parallel to main stream 1"-4" apart calcite along fractures
3614-S	KEC7, E3, N3	74	0.5	-1	45	62		Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: medium grained hornblende diorite, very local epidote and local feldspar alteration along fractures only, most of rock is fresh
3615-S	KEC7, E3, N3	96	0.5	1	20	40		Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: biotite diorite gneiss and locally diorite schist 1% of float is strong pyrrhotite biotite schist
3616-S	KEC7, E3, N2	120	0.5	1	40	60		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: moderate hornblende diorite very locally feldspar introduction
3617-S	KEC7, E3n, N2	16	0.2	-1	73	61		Str wtdh: 3-7; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: medium-coarse grained hornblende biotite diorite

PROJECT - COOK INLET A

Sample Area and  
No. Coordinates

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3618-S	KEC7, E3, N2	40	0.2	-1	50	57	Cd 2.0	Str width: 3-5; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial Float: hornblende diorite and diorite gneiss high on cliff wall very local pyrite stain
3619-S	KEC7, E3, N2	58	0.4	1	15	59	Cd 0.4 W -.002% Sn -.0025%	Str width: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: hornblende diorite continues, still has sparse and locally K-feldspar introduction
3620-S	KEC7, E3, N1	83	0.6	1	31	73	Cd 0.1	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: hornblende diorite, very local K-spar alteration
3621-S	KEC7, E3, N1	23	0.1	-1	13	36		Str width: 10-15; Av str dpth: 1-2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: large drainage from tributary glacier, detritus of hornblende diorite, some K-spars alteration giving rock appearance of granodiorite
3622-S	KEC7, E3, N1	11	0.2	-1	6	53		Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: medium-coarse grained riorite, mostly hornblende weak to moderate K-feldspar alteration and on fractures

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3629-R	LCC3, E9, N7	13	0.1	9	13	13	Au -.1 As 10	Type: grab; Float: talus of weakly pyritized and moderately argillized rhyolite and in places, rhyolite breccia, representative sample of above, vein appeared to be 2-300' wide Float: probably dacite with disseminated specular hematite, specimens taken, rock could be weakly argillized rhyolite 1% of talus float
3630-R	LCC3, E9, N7	43	0.3	5	42	63	Au -.1 As -10	Str width: 1-3; Av str dpth: 0-1-1/2; In flood: no Size: clay; Org: medium; Str situs: glacial; Float: small gully between rock glaciers and bedrock, cut across mostly weakly epidotized andesites and rhyolite unit 200' wide of specular hematite in float
3631-S	LCC3, E9, N7	23	0.2	4	16	66	As 130 Cd 0.5	Type: grab; Float: talus of very weakly pyritized rhyolite with flow bending, rhyolite unit 200 to 300 thick and appears between two andesitic units, andesite has lot of hematite-red
3632-R	LCC3, E9, N7	12	0.3	4	61	16	Au -.1 As 10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3633-S	LCC3, E8, N7	16	0.5	18	13	62	As 10	Str width: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial Float: coarse detritus of talus of strongly argillized rhyolite, rhyolite unit now appears 7500' wide, weak pyrite Mn and Fe stain, interesting area if any silver or gold Type: grab; Bedrock: yes; Bedrock description: moderately pyritized (dissemination fine grained), rhyolite and moderate argillized, sample area fractured and sheared but no hi grading Type: grab; Bedrock: yes; Bedrock description: sample of zone 100 wide of sheared rhyolite (?) perhaps tuff in larger area of pyritized rhyolite, quite a bit of Mn and hematite in area of shearing, now down stream and dacite dike cuts rhyolite unit Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: detritus of mostly andesite s with some (20%) dacite float
3634-R	LCC3, E9, N7	23	0.5	4	32	34	Au -.1 As -10	
3635-R	LCC3, E9, N7	19	1.1	4	20	97	Au -.1 As 120	
3636-S	LCC3, E9, N7	28	1.1	4	68	137	As -10	
3637-S	LCC3, E9, N7	28	1.1	4	82	150	As -10	Str width: 10-15; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: talus and detritus of mostly andesites and (35%) dacites, dacites appear weakly argillized, small iron stain high on hill near head of stream

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3638-S	<del>LCB5, E8, N7</del>	<del>29</del>	<del>1.1</del>	<del>9</del>	<del>80</del>	<del>410</del>	As -10	Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: aluvial; Float: fairly large tributary float 85% andesite, 15% rhyolite with strong pyrite and argillite alteration, small creek upstream if any values at all here Type: grab; Bedrock: yes; Float: andesite strongly altered by earthy hematite, nearly pervasive throughout rock, but area probably 300'x500', not high graded
3639-R	LCB5, E7, N4	10	0.7	2	14	75	Au -.1	Type: grab; Bedrock: yes; Float: original rock probably a dacite rock probably a dacite altered by earthy hematite, part of some zone as 3639
3640-R	LCB5, E7, N4	12	0.6	1	16	78	Au -.1	Type: grab; Bedrock: yes; Float: andesite not very altered, a few specks of specular hematite(?) not earthy color to rock as in altered zone, olivine(?) leached out
3641-R	LCB5, E7, N4	13	0.7	2	19	77	Au -.1	Type: grab; Bedrock: yes; Float: andesite, altered by earthy hematite giving crude jasper appearance to rock, area between 3641 and 3642 is fresh andesite
3642-R	LCB5, E7, N4	12	0.6	2	17	68	Au -.1	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Aq	Mo	Pb	Zn	Other	Remarks
3643-R	KB8 E9, N13	<u>1300</u>	<u>0.6</u>	<u>1</u>	<u>13</u>	<u>58</u>	Au -.1 As -10	Type: grab; Float: yes; Sample: cryscolla stained, joint face on olivine, augite, andesite, andesite is light gray with cavities, containing pyrite and unknown ascular crystals, no alteration of the host rock, Cu stain H.S. taken float about 0.1% total Str wtdth: 10-15; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial Float: biotite hornblende quartz diorite, about 80%, andesite and other volcanics 20%
3644-S	KB8, E10, N13	54	0.3	1	8	64	Au -.1	Str wtdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: greenish gray tuff with numerous rock fragments, float 80%, andesitic and dacitic volcanics 20% Str wtdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock; Float: as in 3645
3645-S	KB7, E3, N10	47	0.4	1	6	68		Str wtdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: greenish gray tuff above, conglomerates (agglomerate?) andesite, welded tuff
3646-S	KB7, E3, N9	32	0.3	-1	29	80		
3647-S	KB7, E3, N8	39	0.3	-1	25	95		



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3648-S	KB7, E2, N8	48	0.5	-1	33	94		Str width: 6-10; Av str dpth: 0-1/2; In flood no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: greenish agglomerate and tuff
3649-R	KB7, E3, N8	23	0.5	4	24	44	Au -.1 As -10	Type: grab; Float: yes; Sample: noe fragment of iron stained vein quartz 2 1/2" x 1 1/2" and one fragment (altered wall rock?)
3650-S	KB7, E3, N7	42	0.7	1	25	96		Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: tuff and agglomerate
3651-R	KB7, E1, N10	10	0.5	1	20	89	Au -.1 As -10	Type: grab; Float: yes; Sample: asilicified pyritized zone 200' wide and about 500' long has been developed along contact of a fine grained quartz diorite and tuffs and volcanics, pyrite predominating sulfides, rare chalcopyrite observed, silicified zone, has prominent red staining, trend of zone is northerly dip is uncertain
3652-S	KB7, E1, N10	37	0.5	1	10	74	Au -.1 As -10	Str width: < 1; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: silicified pyritized volcanics; Special spl notes: sample taken in drainage under most intense iron staining, see 3652

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3667-R <i>Twin lakes, West</i>	LCC3, E11, N9	11	0.3	3	24	108	Au -.1 As -10 W -.005% Sn -.005% Be 3	Type: chip; Bedrock: yes; Bedrock description: volcanic breccia; Float: volcanic breccia, medium to basic composition, coarse grained, some chert grains showing pyrite dissemination, some areas seem to be felsic, volcanics with a fine ore dissemination
	LCC3, E11, N9	10	0.1	16	11	10	W -.005% Sn -.005% Be 3	Type: chip; Rubcrop: yes; Bedrock: volcanic breccia; Float: hornfels(?) strongly iron stained limonite stained and hematite are found along fractures, and vugs, pyrite is disseminated approximately 5%
3675-S	LCA2, E7, N3	52	0.1	1	10	30		Str wtdh: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: boulders of equigranular and medium grained biotite diorite
3676-S	LCA2, E7, N2	42	0.1	3	10	46		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite
3677-S	LCA2, E6, N2	44	0.1	1	8	26		Str wtdh: 3-6; Av str dpth: 1-2; In flood: no; Size: silt; Org: high-medium; Str situs: alluvial; Float: biotite or hornblende diorite
3678-S	LCA2, E6, N2	41	0.1	1	8	22		Str wtdh: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3679-S	LCA2, E6, N1	74	0.2	3	16	44		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: biotite diorite
3680-S	LCA2, E6, N1	38	0.1	1	10	28		Str wtdh: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende diorite
3681-S	ILD2, E11, N12	65	0.6	5	13	47		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: diorite
3682-S	ILD2, E6, N18	57	0.2	7	8	34		Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: none evident
3683-S	ILD2, E5, N17	160	0.5	5	10	76		Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: mostly medium grained equigranular diorite but sqw one piece of fine grained diorite with .5% pyrite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3687-S	LCA2, E9, N5	220	0.3	4	10	62	As -10	Str width: 3-6; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: biotite diorite coarse grained, no ore dissemination visible
3688-S	LCA2, E8, N4	74	0.3	2	10	46	As -10	Str width: 3-6; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: biotite diorite; Float: biotite diorite, no ore dissemination visible, no alteration either
2689-S	LCA2, E8, N4	45	0.5	5	13	41	Au -.1 As -10	Str width: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: biotite diorite; Float: biotite diorite
3697-S	KEA8, E8, N9	48	1.0	1	19	100	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: bedrock; Float: limey sediment
3698-S	KEA8, E8, N9	47	0.9	1	14	82	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: bedrock; Float: sandy lime sediment, very fine grained
3699-S	KEA8, E8, N9	57	1.1	1	16	92	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: sandy limy sediment
3700-S	KEA8, E8, N10	46	0.9	1	13	80	As -10	Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: bedrock; Float: sandy lime sediment

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3701-R	LCA2, E5, N21	21	0.4	1	5	36		Type: chip; Float: yes; Float description: as for 3350, also 1% dark gray green andesite, represents chip sample of colluvial float
3702-R	LCA2, E5, N1	37	0.6	1	7	53		Type: chip; Float: yes; Bedrock: as for 3701, represents sample of alluvial/colluvial float
3703-R	LCA2, E5, N1	21	0.5	1	6	56		Type: chip; Float: yes; Float description: as for 3701, represents sample of alluvial float
3704-S	ILD2, E5, N17	52	0.8	-1	10	92		Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: as for 3701
3712-R	KEA8, E2, N3	47	0.9	1	8	83	Au -.1 As -10	Type: grab; Rubcrop: yes; Bedrock: pyritic (about 1%) volcanic breccia, 1-2 cm rhyolite rock fragments, finer grained tuffs (rhyodacite) argillite and limey siltstone also present

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3713-R	KEA8, E2, N3	76	0.4	1	12	56	Au -.1 As 800	Type: grab; Bedrock: yes; Rubcrop: yes; HI graded: yes; Bedrock description: sample is 50% 1' wide bull quartz vein, generally massive granular quartz but some cavities infilled with quartz crystals, 50% of sample is of pyritic (fine grained disseminated about 2%) rhyolite volcanic breccia which is marginal to the vein, vein str 330°/steep along fracture zone less than 5 of pyritization either side of vein, strong clay alteration associated with pyrite carbon(?) on fracture sequence predominantly breccia and minor sediments intercalations
3716-S	SD8 E3, N15	69	0.9	1	15	82		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: gray to argillites and clayey siltstones
3717-S	SD8, E3, N14	50	0.7	1	11	54		Str width: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: conglomerate (buff to white); Float: same, graywacke and argillite
3718-S	SD8, E3, N14	52	0.9	1	12	64		Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: high; Str situs: alluvial; Bedrock: cobble graywacke conglomerate; Float: above and argillite
3719-S	SD8, E3, N16	44	0.7	1	6	42		Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Bedrock: dacite-rhyolite float same

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3721-R	KA8, E7, N17	17	X 0.4	2	3	20	Au -.1 As -10	Type: grab; Float: yes; Float description: hornblende andesite; Sample: pyrite bearing silicified volcanics from float boulder 2' x 3' x 1' pyrite estimated at 1/2%
3722-R	KA8, E6, N17	31	X 0.9	2	7	62		Type: grab; Bedrock: yes; Float: magnetite hornblende quartz diorite, in hornfelsed sediments and volcanics, it occurs as a 30' wide irregular dike
3723-R	KA8, E5, N17	23	X 2.1	1	9	94		Type: chip; Bedrock: yes; Bedrock description: magnetite diorite marble; Sample: skarn with magnetite very sparse malachite stain on fracture in magnetite
3724-S	KB8, E5, N6	66	0.4	1	8	60	Au -.1	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite quartz diorite
3725-S	KB8, E6, N5	84	0.3	-1	9	44	Au -.1	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite quartz diorite
3726-S	KB8, E6, N5	81	0.4	1	9	52	Au -.1	Str width: 3-6; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Org: low; Bedrock: none observed; Float: hornblende quartz biotite diorite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3727-S	KB8, E7, N5	78	0.2	1	8	50	Au -.1	Str width: 3-6; Zv str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite quartz diorite
3728-S	KB8, E7, N5	52	0.1	1	8	54	Au -.1	Str width: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: hornblende biotite quartz diorite; Float: same
3729-S	KB8, E8, N5	33	0.1	1	8	54	Au -.1	Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite diorite
3730-S	KB8, E9, N13	42	0.2	-1	7	58	Au -.1	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: M/A; Float: andesitic volcanics 90%, hornblende biotite quartz diorite 10%
3736-S	KEB8, E11, N4	39	0.6	1	14	67		Str width: 6-10; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: volcanics, rhyolite and rhyolite tuffs, volcanic breccias, dacites and porphyritic andesites



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3737-S	KEB8, E11, N4	52	0.6	5	28	103	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: volcanics 70%, rhyolite with 5% disseminated pyrite, also some dacite, and rhyolite tuffs
3738-R	KEB8, E11, N4	20	0.5	2	11	210	Au -.1 As -10	Type: grab; Float: yes; Hi graded: yes; Bedrock description: sample is a rhyolite dacite with 5% disseminated pyrite, other float is felsic volcanics
3739-S	KEB8, E7, N15	34	0.3	1	6	47	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: volcanics, mainly ash and tuffs but 30-40% rhyolite also
3740-S	KEB8, E7, N15	32	0.4	1	6	57	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: out crop of caloritized monzonite no sulfide evident, float volcanic ash, tuffs, scoria etc.
3741-S	KEB7, E3, N15	86	0.5	1	13	83	As -10	Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: medium grained equigranular diorite, some with 2-3% pyrite, also some fine grained dark volcanics-andesite(?)

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Aq	Mo	Pb	Zn	Other	Remarks
3742-S	KEB7, E3, N15	32	0.2	1	7	48	As -10	Str width: 6-10; Av str dpth: 1-2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: 90% diorite, 10% volcanics andesite with 3% pyrite and some rhyolite(?)
3743-S	KEB7, E3, N15	38	0.3	1	12	93		Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: diorite
3744-S	KEB7, E3, N14	33	0.3	1	9	83		Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: fine grained, meta diorite, chloritized with pyrite
3745-S	KEB7, E3, N14	26	0.3	1	9	79		Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: porphyritic andesites and basalt with 1.5% pyrite
3746-S	KEB7, E3, N14	62	0.5	1	14	165		Str width: 6-10; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: 70% syenite, fine to medium grained and equigranular, 30% volcanics, andesite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3757-S	LCB3, E4, N16	<u>16</u>	<u>0.4</u>	<u>1</u>	<u>24</u>	<u>80</u>	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Bedrock: none observed; Float: dacite, quartz dacite, dacite breccia, basalt, andesite
3758-S	LCB3, E3, N16	<u>16</u>	<u>0.4</u>	<u>1</u>	<u>60</u>	<u>61</u>	As -10	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: dacite breccia, andesite, and tuff.
3759-S	LCB3, E4, N16	<u>17</u>	<u>0.5</u>	<u>2</u>	<u>22</u>	<u>91</u>	As -10	Str width: 3-6; Av str dpth: dry; In flood: no; Size: gravel; Org: low; Str situs: alluvial; Bedrock: none observed; Sample: gravel less than 3/8" most about 1/4" of andesite dacite and volcanic breccia from alluvial fan
3760-D	LCB3, E5, N17	<u>14</u>	<u>0.3</u>	<u>1</u>	<u>24</u>	<u>67</u>	As -10	Depth: 2 inches; Hor: <sup>A</sup> ; Size: silt; Moist: dry; Color: green; Soil situs: colluvial; Org: low; Froz: no; Bedrock: none observed; Float: dacite, volcanic agglomerate, and tuff, andesite
3761-S	LCB3, E5, N17	<u>13</u>	<u>0.4</u>	<u>3</u>	<u>26</u>	<u>63</u>	As -10	Str width: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: tuff andesite agglomerate
3762-S	LCB3, E5, N17	<u>15</u>	<u>0.4</u>	<u>2</u>	<u>29</u>	<u>79</u>	As -10	Str width: 1-3; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: none observed; Float: dacite, quartz dacite, andesite, tuff and volcanic breccia

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>3763-S</del>	<del>LCB3, E5, N17</del>	<del>15</del>	<del>0.4</del>	<del>3</del>	<del>28</del>	<del>75</del>	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: dacite, andesite, tuff
3764-R	LCB5, E7, N13	17	0.9	1	18	92	Au -.1 As 70	Type: grab; Rubcrop: yes; Bedrock: light gray rhyodacite; Float: same, sample of lightly to moderately iron stained rhyodacite with 1-5r.m quartz veinlets with quartz crystals, oxidized, no sulfides observed
3765-R	LCB5, E7, N3	8	0.4	4	18	22	As 50	Type: grab; Rubcrop: yes; Bedrock: white to buff, rhyolite; Float: above, sample of 15' across N75W striking yellow iron stained zone, oxidized no sulfides observed
3766-R	LCB5, E7, N3	49	1.3	3	12	74	Au -.1 As -10	Type: grab; Rubcrop: yes; Bedrock: basalt; Float: same, sample of weathered iron rich nodular masses rairly observed on basalt crop, original sulfide content about 5-10% at rhyodacite and tuff, rhyolite contact
<del>3767-S</del>	<del>LCB5, E7, N3</del>	<del>22</del>	<del>0.7</del>	<del>1</del>	<del>32</del>	<del>95</del>	As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: rhyodacite, tuff, basalt

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3768-S	LCB5, E8, N4	29	1.1	3	34	109	As 10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: clay; Org: low; Str situs: bedrock; Bedrock description: tuff; Float: quartz dacite, tuff
3769-S	LCB5, E8, N4	19	0.8	3	34	110	As 30	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: quartz dacite (sub horizontal?) overlain by tuff; Float: same
3770-S	LCC3, E11, N8	61	1.1	76	129	1000	As 10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: volcanic breccia; Float: volcanic breccia 90%, hornfels 10%
3771-S	LCC3, E10, N8	36	1.0	3	113	179	As -10	Str wdth: 3-6; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: volcanic breccia; Float: volcanic breccia, medium to basic dacite, hornfels from stained with minor pyrite dissemination
3772-R	LCC3, E10, N8	10	0.3	3	22	116	Au -.1 As -10 Ni 6	Bedrock: diorite; Float: sericitized diorite dike, biotite diorite is the country rock, fine grained, strongly sericitized, some chlorite is found in it, pyrite disseminated(3%), dike bearing N43ow, and 15' wide

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>3773-R</del>	<del>LCC3, E11, N8</del>	<del>10</del>	<del>0.4</del>	<del>5</del>	<del>18</del>	<del>54</del>	<del>Au -.1 As -10 Ni 8</del>	<del>Bedrock: biotite diorite; Float: sericitized igneous rock, strongly sericitized, completely recrystallized rock due to hydrothermal activity showing a pyritic dissemination, approximately 5%, iron stained sample, limonite and hematite are found in fractures and openings, very structured outcrop Str width: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, 40%, volcanic breccia (medium basic) 20%, dacite 40%</del>
<del>3774-S</del>	<del>LCC3, E11, N8</del>	<del>17</del>	<del>0.3</del>	<del>1</del>	<del>32</del>	<del>89</del>	<del>As -10</del>	<del>Str width: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, 40%, volcanic breccia (medium basic) 20%, dacite 40%</del>
<del>3775-S</del>	<del>LCC3, E10, N8</del>	<del>21</del>	<del>0.4</del>	<del>3</del>	<del>60</del>	<del>135</del>	<del>Au -.1 As -10</del>	<del>Str width: 3-6; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: diorite, 30% quartz diorite 15%, sericitized diorite, 15% volcanic dacite and breccia, 2.5%, and 15%, some seritized diorite are iron stained with minor pyrite dissemination Type: chip; Float: yes; Bedrock: dacite; Float description: dacite granite, medium grained, no ore dissemination visible, neither hydrothermal alteration</del>
3776-R	LCB5, E8, N11	26	0.5	3	34	55	Au -.1	
3777-R	LCB5, E8, N12	89	0.9	3	36	91	As -10	Type: chip; Rubcrop: yes; Bedrock: dacite; Float: dacite, basic volcanic rock, no ore dissemination is visible

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3778-R	LCB5, E7, N11	59	0.9	3	12	58	As -10	Type: chip; Bedrock: yes; Bedrock description: dacite; Float: dacite, basic volcanic rock, slightly iron stained sample, no ore dissemination visible
3779-R	LCB5, E7, N11	65	0.8	2	18	55	As -10	Type: chip; Rubcrop: yes; Float: dacite, sample was taken from a dry stream, boulders and fragments of basic dacite, some are slightly iron stained, no ore dissemination visible
3780-R	LCB5, E6, N11	130	1.1	3	18	88	As -10	Type: chip; Rubcrop: yes; Bedrock: dacite Float: dacite; very basic volcanic rock, dacite to basalt (?) no ore dissemination visible
3781-S	LCB5, E6, N10	81	1.6	1	120	149	As -10	Str width: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: graywacke to basic volcanic, mostly is dacite, no ore dissemination
3782-R	LCB5, E6, N10	57	0.9	2	12	84	As -10	Type: chip; Rubcrop: yes; Bedrock: dacite, very basic volcanic rock, iron stained sample, a very fine pyrit dissemination
3783-R	LCB5, E7, N10	59	1.0	4	12	47	As -10	Type: chip; Bedrock: yes; Float: dacite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3784-S	LCB5, E7, N10	68	1.6	1	71	92	As 90	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite 90%, exotic material diorite, granite 10%
3785-R	LCB6, E7, N10	74	0.8	6	15	55	Au -.1	Type: chip; Float: yes; Bedrock: dacite; Float description: granite, coarse grained, iron stained sample, no ore dissemination visible, no hydrothermal alteration either
3786-R	KEB8, E12, N8	9	0.9	1	10	74	Au -.1 As -10	Type: chip; Bedrock: yes; Float: rusty shear diorite
3787-R	KEB7, E2, N10	860	1.2	5	215	5400	Au -.1 As -10	Type: chip; Float: yes; Bedrock: rhyolite with abundant iron stains
3788-S	KEB7, E2, N10	42	1.0	2	10	72	Au -.1 As -10	Str wtdh: 3-6; Av str dpth 1/2-1; In flood: no; Size: silt; Org: low; Str situs: colluvial; Bedrock: on finely broken rusty rhyolite



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3789-S	KEB7, E2, N10	38	1.0	1	1	58	Au -.1 As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: on diverse volcanics
3846-D	LCC3, E5, N7	19	0.9	1	26	71	As -10 W 3 Sn -10	Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; Org: medium; Froz: no; Float: talus of rhyolite and dacites plus volcanic breccias
3847-D	LCC3, E6, N6	17	0.7	1	20	74	As -10	Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: alluvial-talus fines; Org: low; Froz: no; Float: mainly dacites (porphyritic) and rhyolite plus volcanic breccia, mainly of dacite comp.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3848-S	LCC3, E5, N6	<u>14</u>	<u>0.7</u>	<u>1</u>	<u>22</u>	<u>65</u>	As 10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: basalt and rhyolite breccia small outcrop of pyrite
3849-R	LCC3, E5, N6	<u>20</u>	<u>0.4</u>	<u>7</u>	<u>18</u>	<u>13</u>	Au -.1 As -10 W -.005% Sn -.005% Be 4	Type: chip; Bedrock: yes; Bedrock description: sample is of iron stained rhyolite, possibly rhyolite breccia(?)
3850-S	LCB5, E7, N8	<u>17</u>	<u>0.2</u>	<u>1</u>	<u>20</u>	<u>45</u>	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: porphyritic dacites and basalt
3851-S	LCB5, E7, N8	<u>22</u>	<u>0.1</u>	<u>1</u>	<u>22</u>	<u>64</u>	As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: porphyritic dacite, tuffs, basalt
3852-S	LCB5, E7, N8	<u>36</u>	<u>0.6</u>	<u>2</u>	<u>31</u>	<u>74</u>	As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high; Str situs: alluvial; Bedrock: float, basalt with a few pieces of rhyolite
3853-S	LCB5, E7, N8	<u>34</u>	<u>0.5</u>	<u>1</u>	<u>24</u>	<u>64</u>	As 60	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: basalt and a fine grained andesite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3854-S	LCB5, E7, N8	<u>20</u>	<u>0.4</u>	<u>1</u>	<u>20</u>	<u>60</u>	As 20	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: basalt and with a little porphyritic dacite
3855-S	LCB5, E6, N8	<u>24</u>	<u>0.4</u>	<u>1</u>	<u>23</u>	<u>61</u>	As 40	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: volcanics, dacite, basalt, andesite
3856-S	LCB5, E6, N8	<u>23</u>	<u>0.4</u>	<u>1</u>	<u>18</u>	<u>38</u>	As 590	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: andesite, fine grained
3857-S	LCB5, E6, N8	<u>27</u>	<u>0.4</u>	<u>1</u>	<u>20</u>	<u>41</u>	As 400	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: andesite
3858-S	LCB5, E6, N8	<u>29</u>	<u>0.5</u>	<u>1</u>	<u>20</u>	<u>58</u>	As 140	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: mainly fine grained andesite with some dacite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3859-S	LCB5, E5, N9	24	0.3	1	15	42	As -10	Str wdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: andesite, fine grained and some rhyolite
3860-S	LCC3, E3, N4	21	0.4	1	20	64	As -10	Str wdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Float: 100% chlorite altered crystal, lithic lapilli tuffs, acid intermediated composition eq rhyolite rhyodacite(?)
3861-S	LCC3, E3, N4	23	0.5	1	20	65	As -10	Str wdh: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Float: chlorite, altered acid intermediate, crystal-lithic lapilli tuffs, a few rhyolite volcanics
3862-S	LCC3, E2, N4	19	0.5	1	20	65	As -10	Str wdh: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Float: predominantly intermediate lithic-crystal ash (and lesser lapilli) tuffs, strong chlorite alteration
3863-S	LCC3, E2, N4	26	0.6	1	20	60	As -10	Str wdh: 1-3; Av str dpth: Size: sand-silt-gravel; Org: low; Str situs: alluvial; Float: 80% chlorite altered fine grained, dacite tuff, 20% acid intermediate tuffs

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3864-S	LCC3, E2, N3	20	0.5	2	22	80	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand; Org: low; Str situs: alluvial; Float: mixed float, glacial influence?, tuffs, tuffaceous sediments, volcanics (acid-intemed) sandstones, siltstones, 5% biotite "granite" Depth: 5 inches; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; org: low; Froz: no; Float: predominantly chlorite altered fine grained tuffaceous sediments
3865-D	LCC3, E1, N4	16	0.3	1	9	52	As -10	
3866-S	LCC3, E1, N3	16	0.3	1	7	63	As -10	Str wtdh: 1-3; Avstr dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: glacial-alluvial; Float: chlorite altered acid intermediate crystal (eg k-spar) lithic tuffs (trachytic?) and breccias Type: grab; Float: yes; Hi graded: yes; Float description: sampled the 5% of float which is limonitic felsic tuff breccia, 2%??, void filling epidotized pyrite(?) tuff fragments 1mm-30mm, rest of float, predominantly chlorite or hematite altered lithic-crystal ash and lapilli tuffs, acid intermed composition
3867-R	LCC3, E1, N3	9	0.1	4	7	58	Au -.1 As 10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3876-R	LCB5, E9, N12	41	1.2	4	18	58	Au -.1 Cd 1.0 As -10	Type: chip; Bedrock: yes; Bedrock description: dacite to andesite (quartz and 10% (quartz about 10%), medium gray, micro crystals surfaces show reddish weathering iron stains, prominent joints strike nearly N dip at steep K-s to E Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on grassy slope mainly rhyolitic rubble
3877-S	LCB5, E9, N12	52	1.5	1	24	59	As -10	Type: chip; Bedrock: yes; Bedrock description: light gray microcrystalline rhyolite to quartz-latitude minor iron rust, some signs of kaolonization, badly fragmented Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on rhyolite rubble
3878-R	LCB5, E9, N12	53	1.4	3	19	59	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: Type: chip; Bedrock: yes; Bedrock description: light gray microcrystalline rhyolite to quartz-latitude minor iron rust, some signs of kaolonization, badly fragmented Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on rhyolite rubble
3879-S	LCB5, E9, N12	53	1.5	1	22	60	Cd 1.2 As -10	Type: chip; Bedrock: yes; Bedrock description: Type: chip; Bedrock: yes; Bedrock description: light gray microcrystalline rhyolite to quartz-latitude minor iron rust, some signs of kaolonization, badly fragmented Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on rhyolite rubble
3880-S	LCB5, E9, N12	51	1.0	4	120	300	As 250	Type: chip; Bedrock: yes; Bedrock description: Type: chip; Bedrock: yes; Bedrock description: light gray microcrystalline rhyolite to quartz-latitude minor iron rust, some signs of kaolonization, badly fragmented Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on rhyolite rubble
3882-R	LCB5, E6, N9	54	0.6	2	20	74	Au -.1 Cd 5.4 As -10	Type: chip; Bedrock: yes; Bedrock description: Type: chip; Bedrock: yes; Bedrock description: light gray microcrystalline rhyolite to quartz-latitude minor iron rust, some signs of kaolonization, badly fragmented Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on rhyolite rubble
3883-S	LCB5, E6, N9	29	0.5	1	18	51	Cd 0.8 As 50	Type: chip; Bedrock: yes; Bedrock description: Type: chip; Bedrock: yes; Bedrock description: light gray microcrystalline rhyolite to quartz-latitude minor iron rust, some signs of kaolonization, badly fragmented Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on rhyolite rubble

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3884-R	LCB5, E6, N9	75	1.3	2	23	105	Au -.1 Cd 0.6 As -10	Type: grab; Float: yes; Float description: sample taken from talus is of hornfelsed sediments of volcanics, they are greenish gray to black in color and fine grained there is some granodiorite, float in talus
3885-R	LCB5, E7, N9	71	0.8	1	20	40	Au -.1 As -10	Type: grab; Float: yes; Float description: sample is fine grained, greenish rock - (there is some banding in rock-maybe former bedding) probably a hornfelsed sediment but could also be volcanic, much larger amounts of granodiorite float around
<del>3889-S</del>	<del>LCB5, E5, N3</del>	<del>17</del>	<del>1.0</del>	<del>2</del>	<del>28</del>	<del>91</del>	<del>Cd 1.0 As 50</del>	<del>Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Bedrock: none observed; Float: dacite, quartz dacite</del>
3890-D	LCB5, E5, N3	16	0.9	1	14	49	As -10	Depth: 1 inch; Hor:A; Size: clay; Moist: dry; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: welded dacitic tuff
3891-S	LCB5, E13, N7	21	0.9	5	12	41	Cd 0.9	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: gneiss with bull quartz veins
3892-S	LCB5, E13, N7	24	1.5	2	16	73	Cd 1.0	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende gneiss

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Aq	Mo	Pb	Zn	Other	Remarks
3893-S	LCB5, E13, N7	25	1.7	3	16	57		Str wth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite gneiss
3894-S	LCB5, E12, N 6	30	1.4	1	18	81		Str wth: < 1; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende gneiss-biotite
3895-R	LCB5, E12, N7	18	0.7	2	16	44		Type: grab; Float: yes; Bedrock: none observed; Sample: of hornblende biotite quartz, monzonite with a cataclastic texture, may be an old pluton in the schist complete
3896-D	LCB5, E11, N8	110	3.1	4	106	78		Depth: 0 inches; H r: A; Size: clay; Moist: dry; Color: brown; Soil situs: colluvial; Org: medium; Froz: no; Float: silicious hornfels, above with monzonite
3897-S	LCB5, E12, N8	68	3.6	3	90	106		Str wth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: alluvial; Bedrock: none observed, monzonite
3902-S	LCB5, E8, N10	44	1.2	1	52	76	As 70	Str wth: < 1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Org: medium; Str situs: alluvial; Float: medium to basic volcanics
3918-R	LCC3, E7, N4	8	0.6	4	16	51	As -10	Type: chip; Bedrock: yes; Float: breccia(?) int to basic volcanics, very well welded
3919-S	LCC3, E7, N4	16	0.9	1	15	66	As -10	Str wth: 1-3; Av str dpth: dry; Size: sand; Org: low; Str situs: alluvial; Float: volcanic rocks, rhyolite, breccia, tuff



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3920-S	LCC3, E7, N4	14	0.6	1	15	62	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: int. to basic volcanics
3921-S	LCC3, E7, N4	15	0.8	2	21	69	As -10	Str wtdh: <1; Av str dpth: 1/2-1; In flood: yes; Size: clay; Org: low; Str situs: alluvial; Float: volcanic breccia
3922-S	LCC3, E6, N4	15	0.8	1	20	78	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1. In flood: yes; Size: sand; Str situs: alluvial; Float: volcanics, rhyolite, dacite, breccia, some fragments of hornfels (iron stained) no ore dissemination
3923-R	LCC3, E6, N4	12	0.7	5	34	46	Be 4 As 30 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: hornfels (?) argillite (?) rock partially cooked up, it seems to be hornfels (?) w ery recrystallized and silicified, some areas look like argillite iron stained, no ore dissemination, limonite and hematite in vugs
3924-S	LCC3, E6, N4	12	0.6	3	24	68	As -10	Str wtdh: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Float: volcanics, breccia, rhyolite, dacite, breccia, argillite and hornfels (?) tuff

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3925-R	LCC3, E6, N4	4	0.2	2	22	46	As -10	Type: chip; Bedrock: yes; Float: epidotized volcanic rock(?) some epidotized volcanic rock, rock looks like an intermediate composition, showing a minor pyrite dissemination in some areas which seem to be argillitid(?)
3926-R	LCC3, E5, N8	31	0.5	2	15	480	Au -.1 Be 3 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: 90% thin bedded, banded pinkish gray-felsic tuff, some with disseminated pyrite (sample) 5% basalt
3927-R	LCC3, E4, N8	12	0.4	2	20	125	Au -.1 Be 4 W -.005% Sn -.005%	Typw: grab; Float: yes; Float description: acidic to basic volcanics, welded tuff, tuff breccia, bedrock, purplish gray banded felsic tuff, sample, coarse stream sediment
3928-S	LCC3, E4, N8	36	0.8	2	38	178	As -10	Str wtdth: < 1; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Bedrock: iron and Mn stained rhyolite(?) cut by basalt dike 3 feet wide, Float: 10% basalt, intermediate volcanic breccias, acidic to intermediate tuffs
3929-R	LCC3, E4, N8	5	0.3	2	11	62	Au -.1 Be 3 W -.005% Sn -.005%	Type: grab; Bedrock: yes; Bedrock description: iron and Mn stained rhyolite(?); Float: acidic to intermediate tuffs, intermediate breccias, basalt

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3930-R	LCC2, E1, N3	48	√ 2.1	7	28	28	Au -.1	Type: grab; Bedrock: yes; Bedrock description: silicified limestone, 10 feet below contact with iron stained gabbro, no mineralization visible in it
3931-R	LCC2, E2, N17	650	√ 1.3	4	18	64	Au -.1	Type: grab; Bedrock: yes; Bedrock-Float description: iron stained fine grained gabbro with disseminated and veinlets of pyrrhotite, 20 feet above contact with limestone
3932-R	LCC2, E2, N17	180	√ 1.2	10	21	36	Au -.1	Type: grab; Bedrock: yes; Bedrock description: limestone cut by nearly vertical basalt dike, sample, iron stained basalt from dike, contains disseminated pyrrhotite
3933-R	LCC2, E2, N17	630	√ 1.6	7	151	530	Au -.1	Type: grab; Bedrock: yes; Bedrock description: limestone cut by basalt dike (nearly vertical) dike extremely iron stained, contains disseminated pyrrhotite, limestone near dike contact, silicified with green mineral(epidote?) on fractures
3934-R	LCC2, E2, N17	22	√ 3.4	6	40	28	Au -.1	Type: grab; Bedrock: yes; Bedrock-Float: limestone
3935-S	LCC2, E2, N17	170	1.7	6	35	330	As 30	Str width: 6-10; Av str dpth: 0-1/2; In Flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: iron stained gabbro, limestone at toe of glacier

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3967-D	LCB5, E10, N2	27	0.9	1	19	76	As -10	Depth: 6 inches; Size: sand-silt; Moist: dry; Color: white-brown; Soil situs: alluvial; Org: low; Froz: no; Float: predominantly biotite schist and gneiss, less than 10% gabbro, less than 10% more acid intrusives, eg granodiorite, quartz diorite
3968-S	LCB5, E10, N2	21	0.8	1	16	82	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial-bedrock; Float: flat lying felsic tuffs, (less than 60%), 30% biotite quartz schist, 15% gabbro (with biotite) & granodiorite & porphyritic rhyolite
3969-R	LCB5, E9, N2	24	1.4	1	19	84	As -10	Type: grab; Bedrock: yes; Bedrock description: black aphanitic basalt, blocky outcrop; (crude columnar jointing??) vertical
3970-R	LCB5, E8, N1	8	0.3	1	18	20	Au -.1 As -10	Type: grab; Rubcrop: yes; Float: orange weathering rhyolite, dike? aphanitic 1/2-1% oxidized (pyrite?)
3971-R	LCB5, E10, N12	29	1.1	1	62	93	Au -.1 As 380	Type: chip; Bedrock: yes; Float: sheared rhyolite, rhyolite tuff, iron and Mn oxide stains on shears, rock disintegrated and crumbly
3972-R	LCB5, E10, N12						spectro	Type: chip; Bedrock: yes; H1 graded: yes; Float: about 2 feet wide shear and quartz zone strike 20° dip 70° SE, intense iron and Mn stains, crumbly, disintegrating host rock decomposing rhyolite-tuff

*No INFORMATION*  
*IN R*

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3973-S	LCB5, E10, N12	100	1.9	11	280	700	Au -.1 As 210	Str width: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: bedrock; Float: dry watercourse on sheared rhyolites, due to local origin of sediments au test recommended
3974-R	LCB5, E10, N12	57	0.8	3	51	250	Au -.1 As 120	Type: chip; Bedrock: yes; Bedrock descrip- tion: sheared and iron stained rhyolite tuff in state of advanced disintegration
3975-R	LCB5, E10, N12	8	0.5	1	18	51	Au -.1 As 10	Type: chip; Float: yes; Float description: finely comminuted rhyolite float, from water course
3976-R	LCB5, E10, N12	7	0.6	1	18	62	Au -.1 As -10	Type: chip; Float: yes; Float description: fine float from dry watercourse, iron stained rhyolite
3977-R	LCB5, E10, N12	8	0.5	1	16	62	Au -.1 As -10	Type: chip; Float: yes; Float description: finely fragmented and iron stained rhyolite from watercourse

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>3978-S</del>	<del>LCB5, E10, N12</del>	<del>13</del>	<del>0.9</del>	<del>1</del>	<del>17</del>	<del>35</del>	<del>As -10</del>	<del>Str wtdh: &lt; 1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on rhyolite rubble</del>
<del>3979-S</del>	<del>LCB5, E10, N12</del>	<del>56</del>	<del>1.5</del>	<del>1</del>	<del>63</del>	<del>187</del>	<del>As 10</del>	<del>Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situ: colluvial; Float: on heterogenous volcanic fragments</del>
<del>3980-S</del>	<del>LCB5, E11, N11</del>	<del>40</del>	<del>1.3</del>	<del>1</del>	<del>51</del>	<del>155</del>	<del>As 10</del>	<del>Str wtdh: &lt; 1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Special spl notes: dry watercourse on rusty rhyolite</del>
3981-R	LCB5,	4	0.4	1	17	45	Au -.1	Float: rhyolite vent 200' thick between two andesites, dip near vertical trace of pyrite rhyolite only, has flow structure
<del>3982-S</del>	<del>LCB5,</del>	<del>19</del>	<del>0.9</del>	<del>1</del>	<del>32</del>	<del>107</del>	<del>As 60</del>	<del>Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; str situs: allu vial; Float: talus of andesite 95%, and rhyo lite 5%, bedrock side of stream is poorly developed columnar jointing</del>

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3983-R	LCB5, E6, N3	12	0.7	3	15	73	Au -.1	Type: grab; Bedrock: yes; Float: andesite, sample taken fro background
<del>3984-D</del>	<del>LCB5, E6, N3</del>	<del>16</del>	<del>0.9</del>	<del>1</del>	<del>18</del>	<del>51</del>		Depth: 6 inches; Hor' G Size: silt; Moist: medium; Color: brown; Soil situs: alluvial; Org: low; Froz: no; Float: soil from area of andesite rocks
3985-R	LCB5, E6, N3	17	0.7	3	20	81		Type: grab; Float: talus of fresh andesite, background sample
3986-R	LCB5, E12, N7	74	1.1	2	13	65	Au -.1	Type: grab; Bedrock: yes; Float: biotite quartz schist, area sampled has 2% disseminated pyrrhotite per area 100' x 200'
<del>3987-S</del>	<del>LCB5, E13, N8</del>	<del>64</del>	<del>1.1</del>	<del>7</del>	<del>73</del>	<del>146</del>	As 20	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: medium; Str situs: alluvial; Float: talus of both biotite, diorite and biotite-quartz schist, looks like diorite has partilly assemilated some schist locally

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>3988-S</del>	<del>LCB5, E13, N8</del>	<del>54</del>	<del>1.2</del>	<del>3</del>	<del>40</del>	<del>130</del>	As 20	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: medium; Str situs: alluvial; Float: ougcrop and talus of 95% biotite-quartz schist with traces of pyrrhotite, 5% biotite diorite Type: grab; Float: yes; Float description: grab sample of talus of predominantly diorite and granodiorite, some 5% quartz feldspar material probably originally as dikes
3989-R	LCB5, E13, N8	17	0.7	2	22	112	Au -.1	Type: grab; Rubcro: yes; Float: quartz and weak pyrite alteration of a granodiorite(?)
3990-R	LCB5, E13, N8	29	1.2	5	40	124	Au -.1	Type: grab; Bedrock: yes; Float: strong pyrite-quartz alteration of an intrusive breccia(?) and granodiorite
3991-R	LCB5, E13, N8	50	1.0	7	23	63	Au -.1	Type: grab; Rubcrop: yes; Float: strong pyrite quartz secondary biotite(?) fine grained andesite(?)
3992-R	LCB5, E12, N9	120	1.2	3	18	98	Au -.1	Type: grab; Rubcrop: yes; Float: strong pyrite quartz secondary biotite(?) fine grained andesite(?)



## PROJECT - COOK IN ET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
3993-D	LCB5, E12, N8	120	1.3	2	44	110	As 50	Depth: 6 inches; Hor: C; Size: silt; Moist: medium; Color: red-brown; Soil situs: residual; Org: medium; Froz: no; Float: rock fragments in immediate area are granodiorite but general area included sandstone andesite tuffs
4007-S	LCC2, E5, N14	91	1.3	1	33	70	As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: interbedded volcanics latite, rhyolite with conglomerates and siltstones
4008-S	LCC2, E5, N4	53	1.0	-1	28	76	As -10	Str wtdh: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: hornblende biotite quartz monzonite; Float: same 90%, green hornfels 10%
4009-S	LCC2, E4, N4	20	0.8	1	31	82		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite quartz monzonite
4010-S	LCC2, E4, N4	20	1.0	-1	19	62		Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: hornblende biotite quartz monzonite; Float: same, few fragments with epidote and chlorite

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4016-S	LCC2, E3, N6	29	1.2	2	48	94		Str wtdh: 3-7; Av str dpth: 0-1/2; In flood: no; Size: gravel; Org: low; Str situs: alluvial. Bedrock: none observed; Float: hornblende biotite granite 95%, 5% hornfels and volcanics
4017-S	LCC2, E3, N6	13	0.8	4	24	50		Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: hornblende biotite granite
4018-S	LCC2, E1, N6	36	1.2	1	17	38		Str wtdh: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: 50% hornblende biotite granite, 50% hornblende diorite
4019-S	LCC3, E12, N14	45	0.9	1	30	96	As -10	Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: volcanics; Float: andesite porphyry, agglomerate
4020-S	LCC3, E12, N14	88	1.4	1	78	107	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: fine-medium grained gray andesite; Float: same, andesite porphyry, dacite, and agglomerate from moraine

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4021-S</del>	<del>LCB3, E12, N14</del>	<del>62</del>	<del>1.0</del>	<del>-1</del>	<del>58</del>	<del>116</del>	As 10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: brecciated and silicified, dacite? 20%, andesite 40% dacite 20%
4022-R	LCB5, E11, N11	6	0.7	2	16	61	Au -.1 As -10	Type: chip; Float: yes; Bedrock: biotite granite every fine densely disseminated mica possibly coarse grained of sericitization some fine austed magnetite specks
<del>4023-S</del>	<del>LCB5, E11, N12</del>	<del>31</del>	<del>1.2</del>	<del>1</del>	<del>26</del>	<del>82</del>	As 10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse on moraine material
<del>4024-S</del>	<del>LCB5, E11, N11</del>	<del>29</del>	<del>1.1</del>	<del>-1</del>	<del>23</del>	<del>76</del>	As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: watercourse on moraine
<del>4025-S</del>	<del>LCB5, E11, N11</del>	<del>17</del>	<del>1.4</del>	<del>-1</del>	<del>116</del>	<del>330</del>	As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on rhyolite debris

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4026-S	LCB5, E11, N11	<u>28</u>	<u>1.3</u>	<u>1</u>	<u>33</u>	<u>97</u>	As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on rhyolite debris
4027-R	LCB5, E11, N11						spectro	Type: chip; Bedrock: yes; Float: about 30 x 20 feet intensively rusted rhyolite outcrop disseminated, sulfides in state of disintegration
4028-S	LCC2, E1, N3	<u>33</u>	<u>1.8</u>	<u>17</u>	<u>30</u>	<u>78</u>	As -10	Str wtdh: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: bedrock; Float: creek on bedrock of fine grained medium gray monzonite to chlorite, in which finely disseminated iron sulfides irln and Mn gossan on rock surfaces
4029-S	LCC2, E1, N3	<u>15</u>	<u>1.0</u>	<u>34</u>	<u>86</u>	<u>106</u>	Au -.1 As -10	Str wtdh: 3-6; Av str dpth: 1-2; In flood: no; Size: silt; Str situs: colluvial-bedrock; Bedrock description: on mineralized fine grained monzonite, closeness of source warrants Au test
4030-R	LCC2, E1, N3	<u>8</u>	<u>0.9</u>	<u>2</u>	<u>16</u>	<u>64</u>	Au -.1 As -10	Type: chip; Bedrock: yes; Float: fine grained medium gray monzonite to diorite, dense dissemination of fine pyrite, rusty much jointed

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4031-R	LCC2, E1, N3	7	1.0	5	17	66	Au -.1 As -10	Type: chip; Float: yes; Float description: rust covered monzonite to porphyritic monzonite with respectable amount of finely disseminated sulfides in texture, dominantly iron but fine chalcopyrite also spotted Str wtdh: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: meandering small water course onflattened part of talus slope which is composed of rust covered and iron mineralized monzonite Type: chip; Float: yes; Float description: fine grained to aphanitic dacite and dacite porphyry fragments of small fragmented (about 1") talus slope all carry disseminated sulfides and rust coating above is rusty Ste wtdh: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand; Str situs: colluvial; Float: on andesite rubble
4032-S	LCC2, E1, N3	A: 16 B: 16	0.8 1.0	7 6	24 26	48 52	As -10 As -10	
4033-R	LCC2, E1, N3	28	1.3	7	10	34	Au -.1 As -10	
4034-S	LCC2, E1, N3	140	2.0	20	28	62	As 50	
4035-S	LCC3, E13, N3	64	1.5	1	25	48	As 10	Str wtdh: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: andesite talus
4036-S	LCC3, E13, N3	45	1.2	1	20	36	As -10	Str wtdh: < 1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: andesite talus

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4037-S	LCC3, E12, N3	37	1.3	1	21	64	As -10	Str wtdh: 3-6; Av str dpth: 1-2; In flood: no; Size: silt; Str situs: alluvial; Float: an andesite moraine material
4038-S	LCC3, E12, N3	25	1.1	1	42	56	As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on rhyolite-latite talus
4039-S	LCC3, E12, N4	21	1.0	1	35	52	As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt-clay; Str situs: colluvial; Float: rhyolite-latite talus
4040-S	LCC3, E12, N4	17	0.9	-1	20	38	As -10	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on dacite talus
4041-S	LCC3, E5, N4	16	1.1	8	30	95	As 40 W 4 Sn -10 Be 4	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: aluvial; Float: argillite(?), epidotized volcanics(?) rhyolite basic volcanics

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4042-R	LCC3, E5, N4	8	0.5	1	14	54	As -10	Type: chip; Bedrock: yes; Bedrock description: breccia; Float: breccia, acid matrix, some grains of orthoclase chert(?) siliceous tuff
4043-R	LCC3, E5, N4	8	0.5	3	22	8	As -10 W -.005% Sn -.005% Be 2	Float: homfels(?) or argillitized tuff, iron stained, limonite and hematite in vugs, no ore dissemination visible
4044-S	LCC3, E5, N4	16	0.9	10	30	160	As 50	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: volcanic rhyolite rhyodacite dacite, breccia tuff
4045-S	LCC3, E5, N5	11	0.8	1	20	52	As 10	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: breccia, rhyolite, basic volcanics
4046-S	LCC3, E4, N5	16	1.1	5	18	38	As 90	Str width: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: basic volcanics
4047-R	LCC3, E4, N5	11	0.8	1	20	42	As -10	Type: chip; Bedrock: yes; Float: tuff(?) or breccia(?), acid composition, chert grains(?) matrix acid

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4048-S	LCC3, E3, N5	16	0.9	1	26	60	As 10	Str wth: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: breccia and basic volcanics
4049-S	LCC3, E3, N5	16	1.3	6	32	68	As 50	Str wth: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: basic volcanics; Float: breccia, basic volcanics
4050-S	LCC2, E7, N5	19	0.4	1	20	71	As 40	Str wth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: granite, alaskite, diorite, basic volcanics, rhyolite
4051-S	LCC2, E7, N6	20	0.5	2	24	87	As 10	Str wth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: predominantly porphyry, andesite 80% granite 10%, alaskite 10%
4052-S	LCC2, E7, N6	20	0.5	2	20	96	As 20	Str wth: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: granite, diorite, basic volcanics
4053-S	LCC2, E7, N6	21	0.4	1	12	75	As -10	Str wth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: clay; Str situs: alluvial; Float: predominantly granite



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4054-R	LCC2, E6, N6	23	0.2	5	10	32	As 110	Type: chip; Rubcrop: yes; Bedrock: granite Special spl notes: iron stained sample, showing a minor pyrite dissemination, rock silicified and some recrystallized, limonite and some hematite in fractures Str wtdh: 3-6; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: granite; Float: predominantly granite boulders
4055-S	LCC2, E6, N6	23	0.6	1	26	160	As -10	Str wtdh: 3-1; Av str dpth: 0-1/2; In flood: yes; Size: clay; Str situs: alluvial; Float: granite, stream goes down on granite, predominantly granite boulders
4056-S	LCC2, E6, N6	21	0.3	1	18	85	As -10	Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 70%, basalt volcanic 30%
4057-S	LCC2, E5, N6	15	0.2	1	60	108	As -10	Str wtdh: 1-3; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite boulders, no ore dissemination
4058-S	LCC2, E5, N6	10	0.2	1	18	74	As -10	Str wtdh: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite; Float: granite
4059-S	LCC2, E5, N7	17	0.4	3	14	54	As -10	Str wtdh: <1; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4060-S	LCC2, E4, N7	9	0.2	1	14	59	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: clay; Str situs: alluvial; Bedrock: granite; Float: granite boulders, and moraine material
4061		18	0.6	23	41	108	Au -.1	Type: grab; Float: yes; Float description: 90% iron stained porphyritic andesite with fine grained disseminated pyrite(sample)
4062-R	LCC2, E7, N11	21	0.3	12	92	50	Au -.1	10% hornblende diorite, moraine
4063-S	LCC2, E7, N11	22	0.4	-1	16	48	As -10	Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Float: 50% porphyritic andesite with epidote and calcite on fractures, 20% granodiorite, epidote on fractures, 20% diorite with epidote, some iron stained with some iron stained with disseminated pyrrhotite
4064-R	LCC2, E7, N11	260	1.2	4	8	53	Au -.1	10% dacite porphyry Type: grab; Float: yes; Hi graded: yes; Float description: 50% porphyritic andesite with epidote and calcite on fractures, 20% granodiorite, epidote on fractures, 20% diorite, some epidote, some iron stained with disseminated pyrrhotite(sample) 10% dacite porphyry

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4065-R	LCC2, E7, N11	190	0.6	1	6	30	Au -.1	Type: grab; Bedrock: yes; Hi graded: yes; Bedrock description: andesite with quartz feldspar veinlets, somewhat chloritized, some iron stained areas with disseminated pyrrhotite(sample) Float: dacite porphyry granodiorite diorite, andesite(glacial moraine)
4066-S	LCC2, E7, N11	35	0.6	1	18	59	As 20	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial; Bedrock: granodiorite cut by basalt dikes, some iron stain; Float: 40% andesite, some porphyritic, 30% diorite, 20% granodiorite, 10% dacite porphyry, (glacial moraine) epidote on fractures of andesite and diorite
4067-R	LCC2, E7, N10	28	-.1	2	10	9	Au -.1	Type: grab; Float: yes; Hi graded: yes; Bedrock description: granodiorite; Float: 50% granodiorite, 30% basalt and andesite, epidotized, 10% diorite, 10% dacite porphyry(glacial moraine) 5% of rock highly iron stained, sample iron stained, silicified granodiorite(?) bleached contains disseminated and masses of pyrite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4068-R	LCC2, E7, N10	130	1.9	3	280	370	Au -.1	Type: grab; Float: yes; Hi graded: yes; Bedrock: granodiorite; Float description: 50% granodiorite, 30% andesite and basalt, epidotized, 10% diorite, 10% dacite porphyry 5%, of rock highly iron stained, glacial moraine, sample-porphyrific andesite, feldspar epidotized, contains disseminated pyrrhotite, several rocks have slight amount malachite Str wtdh: 3-6; Av str dpth: 0-2/2; In flood: no; Size:sand-silt; Org: low; Str situs: glacial; Float: 70% andesite, cut by numerous veinlets of epidotized feldspar 30% granodiorite, 1% of rock(ground and andesite) iron stained, contain disseminated pyrrhotite
4069-S	LCC2, E7, N10	40	0.1	1	52	69	As -10	Type: grab; Float: yes; Hi g rated: yes; Float: 89% andesite, much of it porphyritic, veinlets of feldspar and phenocrysts epido- tized, 5% granodiorite, 5% diorite, 1% porphyritic dacit, 1% of andesite highly iron stained, disseminated pyrrhotite, sample-quartz vein in andesite, contains bournite, some malachite stain
4070-R	LCC2, E6, N12	700	1.7	3	18	67	Au 0.1	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4071-S	LCC2, E6, N10	160	1.0	1	44	90	As 10	Str wth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: 89% andesite, much of it porphyritic, feldspar phenocrysts, epidotized, veinlets of feldspar epidotized, 5% granodiorite, 5% diorite, 1% porphyritic dacite, 1% of andesite highly iron stained, disseminated pyrrhotite
4072-S	LCC2, E6, N10	86	0.4	-1	12	41	As -10	Str wth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: 50% epidotized, andesite, much of it pyrrhotitic, 50% granite to granodiorite
4073-S	LCC2, E6, N10	15	-1	-1	18	68	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 95% granodiorite, 5% andesite
4074-S	LCC2, E5, N9	42	0.3	2	28	92	As -10	Str wth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand-; Org: low; Str situs: alluvial; Float: 90% granodiorite, half of rock iron stained, 10% andesite, no visible sulfides

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4075-S	LCC2, E5, N9	33	0.8	1	28	80	As -10	Str wtdh: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: granodiorite, 2% andesite
4077-R	LCC3, E3, N7	15	0.4	1	17	134	Au -.1 As -10	Type: grab; Float: yes; Float description: samples from talus are rhyolites, rhyolite, breccias, and tuff breccias, they compose about 80-85% talus of with the remainder a fine grained andesite, the other side of the stream seems to be about 50% rhyolite with 50% very manganese stained andesite
4078-S	LCC3, E3, N7	25	0.9	1	21	96	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: aluvial; Float: volcanics, rhyolite and andesite with some tufts

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4079-R	LCC3, E3, N7	12	0.9	4	31	155	Au -.1 As -10	Type: grab; Float: yes; Bedrock: sample is manganese stained, fine grained andesite makes up to 50% of talus with 50% rhyolite tuff
4080-S	LCC3, E3, N7	28	1.3	1	28	124	As -10	Str wtdh: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: rhyolites, tuffs and lapilli tuffs, andesites and breccias
4081-R	LCC3, E3, N7	12	2.2	3	36	92	Au -.1 As -10	Type: grab; Float: yes; Float description: sample is from 2 iron stained rocks, breccias, one is just a very iron stained breccia, the other is a breccia with calcite in it, no mineralization present, sample found near mouth of stream.
4082-S	LCC3, E3, N8	19	1.1	1	37	58	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high-medium; Str situs: alluvial; Float: mainly andesite in talus
4083-S	LCC3, E3, N8	19	1.0	1	43	83	As -10	Str wtdh: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: 60% andesite and 40% rhyolite and tuffs
4084		13	0.4	1	43	104	Au -.1 As -10 W -.005% Sn -.005%	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4085-S	LCC3, E3, N8	36	1.9	3	64	340	As -10	Str wth: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: rhyolite, andesite, volcanic breccias, and tufts
4086-R	LCC3, E3, N8	6	0.5	1	81	98	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample is of tufts and altered rhyolites some with vesicular cavities and iron staining
4087-R	LCC3, E2, N8	31	1.0	4	23	117	Au -.1 As -10 W -.010% Sn -.005%	Type: grab; Float: yes; Float description: sample of iron and manganese stained black fine grained andesite, other side of stream is moraine
4088-S	LCC3, E2, N8	15	0.9	1	26	110	As -10	Str wth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: float volcanics, rhyolite, andesite breccias, also material from moraine, granodiorite, dacites
4089-S	LCC3, E2, N8	17	0.9	1	18	64	As -10	Str wth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: dacite, andesite, rhyolite and some granodiorite, some of this may be moraine



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4090-S</del>	<del>LCC3, E2, N8</del>	<del>15</del>	<del>0.9</del>	<del>15</del>	<del>43</del>	<del>112</del>	<del>As -10</del>	<del>Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: andesite and rhyolite, with a little dacite and granodiorite, small outcrop upstream of andesite</del>
4091-R	LCB5, E8, N1	22	1.7	-1	20	106	As -10	Type: chip; Rubcrop: yes; Float: vesicular aphanitic dark gray, black abasalt
4092-R	LCB5, E6, N1	30	0.6	1	30	42	Au -.1 As 20	Type: chip; Float: yes; Bedrock: highly fractured, aphanitic rhyolite, weak-mod-erate limonite staining
<del>4093-R</del>	<del>LCC3, E12, N8</del>	<del>13</del>	<del>0.7</del>	<del>25</del>	<del>35</del>	<del>70</del>	<del>Au -.1 As -10</del>	<del>Type: grab; Float: yes; Hi graded: yes; Float: limonite stained moderate quartz and weak sericite altered volcanic(rhyolite?) breccia 0.5-4.0 cm fragments, 1/2% very fine grained sulfide in ore fragments, this float very scarce eg less than 0.1% H.S.4093 of one lone piece of rhyodacite with malachite on fractures</del>
4094-S	LCC3, E12, N8	33	0.9	2	56	105	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: volcanic breccias, and lesser sandstones, also volcanics, rhyodacite, rhyolite, dacite, epidote, chlorite alteration, some calcite magnetite minor malachite noted on fracture surfaces of two pieces of rhyodacite(intrusive?)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4095-S	LCC3, E12, N9	23	0.8	1	31	69	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Float: predominantly rhyodacite and dacite volcanics and volcanic breccias, chlorite epidote alteration
4096-S	LCC3, E12, N9	22	1.2	9	124	189	As -10	Str width: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Float: similar to 4095 ;but less breccia and more sandstone
4097-R	LCC3, E12, N9	800	4.7	115	1350	4500	Au -.1 As 10	Type: chip; Float: yes; Hi graded:yes; Float: float sample just below stream sediment sample No. 4096, Mn stained siliceous rock with 1/2%(total) chalcopyrite, pyrite, sl and galena, disseminated, fine grained, similar siliceous rocks form perhaps 1% of float but sulfides found in only the one 6" boulder that this sample represents, rock possibly originla a volcanic as suggested by ghosty textures
4098-D	LCC3, E12, N9	17	1.0	3	120	165	As -10	Depth: 3 inches; Size: sand-silt-clay; Moist: medium; Color: brown; Soil situs: colluvial-talus fines; Org: low; Froz: no; Float:volcanic breccias and sandstones, and intermediate volcanics chlorite, hematite, epidote alteration

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4099-R	LCC3, E13, N9	65	1.3	3	184	340	As -10	Type: chip; Float: yes; Float description: predominantly andesite(or dacite?) volcanic and breccia, moderately chlorite altered but epidote alteration not as prominent as for last few samples, less than 1/2% siliceous non-sulfided rock as for 4097
4100-D	LCC3, E14, N9	34	1.1	13	340	400	As -10	Depth: 3 inches; Size: gravel-silt; Moist: medium; Float: 70% highly fractured silicified rock breccia? hairline quartz veins 1% with trace pyrite, strong Mn stain and weak-moderate iron stain, represents float form west and of 20-50' wide color anomaly, 30% volcanic breccias, and sediments chlorite altered
4104-D	LCC5, E10, N7	30	1.2	2	27	50		Depth: 6 inches; Hor: C; Size: silt; Moist: medium; Color: red-brown; Soil situs: residual; Org: medium; Proz: no; Float: soil from area of biotite granodiorite
4105-R	LCC5, E10, N7	66	1.8	2	21	92	Au -.1	Type: grab; Bedrock: yes; Float: laminated siltstones, slightly calcareous, sample taken to check for gold
4106-R	LCC5, E10, N7	100	2.8	3	98	380	Au -.1	Type: grab; Bedrock: yes; Float: fine grained siliceous rock (aplite) probably rhyolite some microvein quartz, trace of pyrite and manganese stain
4107-R	LCC5, E10, N7	460	9.3	4	124	360	Au -.1	Type: grab; Bedrock: yes; Float: rhyolite or aplite, slight iron nad Mn stain only

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4108-R	LCC2, E2, N17	73	2.0	5	125	130	Au -.1 Ni 44	Type: grab; Bedrock: yes; Bedrock description: sample of better iron stained (pyrrhotite) gabbro from area, also some siltstone and chert have strong pyrrhotite Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: volcanics andesite, tuffs some dacite, some granodiorite, some granodiorite, small outcrop of andesite up stream, rhyolite talus on hillside
4111-S	LCC3, E1, N9	12	0.8	1	38	105	As -10	Type: grab; Rubcrop: yes; Float: sample is from talus from a bluish colored tuff or rhyolite fairly distinctive color from other hill, also some white colored rhyolite in sample Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: outcrop of iron stained fine grained, black andesite, float of altered rhyolite or tuff and some dacite
4112-R	LCC3, E1, N9	5	0.4	-1	16	67	Au -.1 As -10 W -.005% Sn -.005%	
4113-S	LCC3, E1, N10	18	1.2	1	23	74	As -10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4114-S	LCC2, E4, N11	<u>17</u>	<u>1.0</u>	<u>1</u>	<u>10</u>	<u>42</u>	As -10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: intrusives, monzonite or granodiorite, some chloritic or meta diorite, volcanics, possibly meta andesites and rhyolites along with altered tuffs, apparently some chert too, also some meta seds, which are now chloritic, phyllite or schist as are the possible former volcanics, the volcanics have fine grained and remanent porphoritic textures and are not as micaceous as the sediments
4115-R	LCC2, E4, N11	<u>210</u>	<u>1.1</u>	<u>2</u>	<u>6</u>	<u>46</u>	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes ; Hi graded: yes; Float: iron stained volcanics(?) which have been metamorphosed, some have pyrrhotite which appears to be massive, one sample has a couple of flecks of chalcopyrite, only certain iron stained rocks had sulfide and these seemed to all be volcanic in this sense it is high graded, sample is taken from end of moraine, where it composed about as much as to 15% of float
4116-R	LCC2, E4, N11	<u>31</u>	<u>0.6</u>	<u>1</u>	<u>4</u>	<u>30</u>	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample is of a chlorite schist or phyllite probably of sedimentary origin due to its micaceous type of foliation. Some of the others may be volcanic in origin, though. Some of sample has quartz veins 1/2-1" wide in schist

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4117-R	LCC2, E4, N11	63	1.5	19	14	63	Au -.1 As -10	Type: grab; Float: yes; Float description: iron stained schist or gneiss with a black mineral, probably magnetite, but might be sphalerite, also some pyrite in another rock, float is iron stained schist or gneiss and granodiorite
4118-R	LCC2, E4, N11	170	0.9	1	6	63	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: green chlorite schist, some pieces have quartz veining or epidote in them. Some are iron stained, probably pelitic in origin
4119-S	LCC2, E4, N11	140	0.9	1	18	73	As -10	Str wtdh: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: chloritic schist with foliation, N40°E and vertical has epidote layering parallel to foliation, also beds of andesite interlayered with foliated rock, float is some dacite
4120-S	LCC2, E4, N10	29	0.5	3	20	59	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: quartz diorite to quartz monzonite in composition
4121-S	LCC2, E4, N10	58	0.9	1	40	75	As 60	Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium-low; Str situs: alluvial; Float: quartz monzonite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4122-R	LCC2, E4, N10	150	1.0	1	16	52	Au -.1 As -10 W -.005% Sn -.005% Ni 240	Type: grab; Float: yes; Float description: sample is of 3 rocks, 2 appear to be pyroxenites or gabbros, one with a black metal(?), the other may be a meta sediment taken from talus shortly after last sediment sample, rest of float is granodiorite and chlorite schist Str wtdh: 6-10; Av str dpth: 1/2-1; In flood no; Size: silt; Org: medium Str situs: bedro Float: fine-medium grained biotite quartz monzonite, 20% volcanic, 80% rest
4123-s	LCC3, E12, N14	53	0.8	1	46	89	As -10	Type: chip; Bedrock: yes; Bedrock description: fine grained gray andesite or andesite porphyry, sample of iron stained pyrite bearing above, sampled along 30' exposure in stream bed Type: grab; Float: yes; Float description: pink silicified vein with calcite and ankerite fillings between brecciated fragments Bedrock: fine-medium grained gray andesite Str wtdh: 1-3; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: alluvia. Bedrock: none observed; Float: andesite and fine grained graywacke
4124-R	LCC3, E12, N14	43	0.7	3	36	91	As 4600	
4125-R	LCC3, E12, N14	42	1.2	1	36	91	Au -.1 As 160	
4126-S	LCC2, E1, N14	14	0.5	1	18	81	As -10	

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4127-R	LCC2, E1, N14	170	1.7	1	32	83	Au -.1 As 100	Type: grab; Float: yes; Sample: iron stained carbonate float
4128-S	LCC3, E6, N13	72	0.8	1	18	84	As -10	Float: 70% cobble conglomerate, siltstone, and minor chert, 25% andesite porphyry, vesicular, 5% tuff; Bedrock: none observed
4129-S	LCC3, E6, N14	51	0.9	1	18	78	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: coarse conglomerate (agglomerate?) of volcanic rock fragments; Float: above 50%, basalt 5% andesite 20%, tuff 15%, siltstones and graywacke, 5%
2130-S	LCC3, E6, N13	53	0.7	1	28	71	As 10	Str width: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: tuff 50%, andesite porphyry 30%, sediments 20%
4131-S	LCC3, E6, N13	52	0.8	1	20	69	As -10	Str width: 3-6; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: red andesite porphyry with calcite filled vesicles; Float: above 80%, rhyolite 10%, latite 5%, graywacke 5%



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4132-S	LCC3, E5, N13	68	0.8	1	20	74	As -10	Str width: 6-10; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: bedrock Bedrock description: vesicular andesite; Float: 80% veiscular andesite, 25% andesite porphyry, 5% tuff
4133-S	LCC3, E5, N14	80	0.9	1	22	91	As 10	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: bedrock; Bedrock description: cobble agglomerate; Float: same 90%, andesite porphyry 10%
4134-S	LCC3, E4, N13e	59	0.9	2	16	76	As -10	Str width: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: moraine-derived float, much is exotic
4135-R	LCC2, E4, N9	8	0.6	1	8	33	Au -.1	Type: grab; Float: yes; Float description: granodiorite, sample from talus fan has Mn stain on fracture
4136-S	LCC2, E4, N8	21	1.0	2	24	62	As -10	Av str dpth: dry; Size: gravel-sand; Org: low; Str situs: alluvial; Float: granodiorite 2% andesite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4148-R	LCC4, E13, N9	9	0.3	1	34	144	Au -.1 As -10 W -.005% Sn -.005% spectro	Type: grab; Rubcrop: yes; Float: rubcrop, felsic volcanic tuff with small lithopysae, slightly chloritized, 100' wide zone in saddle, dacite(?) welded tuff north of zone, iron stained siltstone, south of zone
4149-R	LCC4, E13, N9	10	0.4	1	24	141	Au -.1 W -.005% Sn -.005% spectro	Type: grab; Rubcrop: yes; Float: rubcrop, platy rhyolite(?) tuff, slightly chloritized, slgith iron stain, siltstone higher on mountain
4150-S	LCC3, E11, N4	16	1.1	1	21	38	As -10	Str wtdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Str situs: bedrock; Float: on dacite
4151-S	LCC3, E11, N4	18	1.1	1	23	44	As -10	Str wtdth: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: collugial; Float: on dacite talus
4152-S	LCC3, E11, N4	18	0.8	1	24	44	As -10	Str wtdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on heterogenous volcanics

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Aq	Mo	Pb	Zn	Other	Remarks
4153-S	LCC3, E11, N3	15	0.9	1	20	34	As -10	Str wtdh: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on heterogenous volcanic fragments
4154-S	LCC3, E10, N3	17	1.1	1	20	34	As -10	Str wtdh: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on vegetation covered talus
4155-S	LCC3, E10, N3	18	1.1	1	15	36	As -10	Str wtdh: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: alluvial; Float: on glacial mouraine, now vegetation covered
4156-S	LCC3, E10, N3	17	1.0	1	15	34	As -10	Str wtdh: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: alluvial; Float: on vegetation, covered moraine
4157-S	LCC2, E2, N9	150	0.9	1	16	95	As 30	Str wtdh: 1-3; AV str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: from under terminal noraine
4158-S	LCC2, E2, N9	49	0.7	1	32	90	As -10	Str wtdh: 3-6; AV str dpth: 1-2; In flood: no; Size: silt; Str situs: colluvial; Float: on heterogenous(arkose and volcanics) talus

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4159-S	LCC2, E2, N9	87	0.7	1	36	107	As 30	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on volcanic talus
4160-R	LCC3, E13, N9	11	0.5	6	17	83	Au -.1 AS -10	Type: chip; Float: yes; Float description: predominantly andesitic? dacite(?) volcanic and minor breccias, etc. trace of disseminated pyrite
4161-R	LCC3, E12, N9	7	0.6	7	30	145	Au -.1 AS -10	Type: chip; Float: yes; Float description: similar to 4100, drains weak color anomaly
4162-R	LCC3, E12, N10	7	0.6	5	43	230	Au -.1 AS -10	Type: chip; Float: yes; Float description: as for 4161
4163-S	LCC3, E12, N10	25	0.8	5	91	145	As 10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Float: volcanics sg dacite and sediments, some dacite(?) silicified (has plagioclase crystals) some crystals altered to siderite(?), quartz CO3, alteration of intermediate basic volcanics(?) similar to 4161-2, alteration
4164-D	LCC3	17	0.9	12	69	120	As -10	Predominately andesitic-rhyolitic dacite volcanics. Some volcanic breccia.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4071-S	LCC2, E6, N10	160	1.0	1	44	90	As 10	Str wth: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: 89% andesite, much of it porphyritic, feldspar phenocrysts, epidotized, veinlets of feldspar epidotized, 5% granodiorite, 5% diorite, 1% porphyritic dacite, 1% of andesite highly iron stained, disseminated pyrrhotite
4072-S	LCC2, E6, N10	86	0.4	-1	12	41	As -10	Str wth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: glacial-alluvial; Float: 50% epidotized, andesite, much of it pyrrhotite, 50% granite to granodiorite
4073-S	LCC2, E6, N10	15	-1	-1	18	68	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 95% granodiorite, 5% andesite
4074-S	LCC2, E5, N9	42	0.3	2	28	92	As -10	Str wth: 3-6; Av str dpth: 1/2-1; In flood: no; Size: gravel-sand-; Org: low; Str situs: alluvial; Float: 90% granodiorite, half of rock iron stained, 10% andesite, no visible sulfides

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4165-S	LCC3, E11, N10	18	0.8	4	61	112	As -10	Float: intermediate volcanic tuffs breccias, graywacke, extreme variation, some "silicified volcanics"
4166-R	LCC3, E11, N10	6	0.5	4	30	90	As -10	Type: chip; Float: yes; Float description: felsic and intermediate tuffs, volcanics, breccias, and graywacke, talus fines
4167-R	LCC3, E11, N9	7	0.7	3	21	79	As 10	Type: chip; Float: yes; Float description: predominantly volcanogenic graywackes, tuffaceous graywackes, volcanic breccia some felsic tuffs
4168-R	LCC3, E11, N9	6	0.6	3	17	81	Au -.1 As -10	Type: chip; Float: yes; Float description: predominantly volcanogenic sandstones, graywackes, weakly pyritic, also pyritic limestone stained red-brown, rhyolite or felsic tuff, probably derived from color anomaly on ridge
4169-D	LCC3, E11, N9	35	1.8	13	144	230	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: 90% andesitic volcanics, tuffs, sediments, 10% grano-diorite quartz diorite porphyry with up to 1% pyrite, and in some 1/2% magnetite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4170-D	LCC3, E10, N9	36	1.6	4	180	330	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: andesitic and rhyolitic volcanics, tuffs and sediments, chlorite epidote alteration
4171-D	LCC3, E10, N9	19	1.5	5	124	120	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial-talus fines; Org: low; Froz: no; Float: rhyolitic, dacitic, andesitic, volcanics, tuffs and sediments, chlorite epidote alteration, more fine grained "seds"
4172-S	LCC3, E10, N9	18	1.0	3	40	100	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvialbedrock; Float: assorted volcanics, tuffs, volcanic arkosizenic sediments, more breccia than before, minor pyrite, chlorite epidote alteration, minor quartz diorite dacite porphyry
4173-R	LCC3, E9, N9	12	0.8	3	16	69	As -10	Type: chip; Float: yes; Float description: acid basic volcanics, tuffs, breccias, sediments, belbs and veins of carbonate (siderite?) in some tuffaceous sediments
4174-D	LCC3, E9, N9	22	0.9	2	28	83	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: assorted volcanics

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4175-S	LCC3, E9, N8	23	0.8	2	56	133	As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: No; Size: gravel-sand-silt; Org: medium; Str si- tus; colluvial; Float: 80% dacite, andesite, rhyolite volcanics, breccias, tufts?, sedts? 25% coarse grained equigranular quartz biotite diorite, large rounded boulder, glacial???
4176-S	LCC3, E9, N8	24	1.2	3	64	107	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: colluvial-alluvial-bedrock; Float: acid-basic volcanics, breccias, tufts, sediments, chlorite epidote alteration, more rhyolite than previously
4177-S	LCC3, E8, N8	20	1.0	3	50	108	As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-bedrock; Float: as for 4176, some rhyolite fractured and limonitic
4178-D	LCC3, E8, N8	30	1.4	1	34	86	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: medium; Froz: no; Float: as for 4177



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4179-S	LCC3, E8, N8	28	1.0	1	26	92	As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial; Float: assorted volcanics and 20% rounded intrusive boulders, probably glacially transported
4180-S	LCC3, E8, N8	26	1.4	2	62	124	As -10	Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial; Float: 99% hornblende andesite volcanics, chlorite-epidote altered, very minor co-magnetite?; hornblende diorite intrudes andesite, 1% silicified tuff breccia and volcanics, with up to 5% pyrite dissemination and veins, largely oxidized, see 4464
4202-R	LCB3, E4, N10	32	0.6	1	10	38	Au -.1	Type: grab; Bedrock: yes; Bedrock description: chip sample across 20' to schistosity of quartz-chlorite schist, 1/2% pyrite
4203-R	LCB3, E4, N10	330	2.7	1	12	52	Au -.1 W -.005%	Type: grab; Bedrock: yes; Float: strong gossan sulfide completely leached, suspect chalcocopyrite 0.4, Zn 1.5, Pb 1.0, Ag 40ppm Au 2.5 ppm
4204-S	LCB3, E10, N13	93	0.8	2	20	132	Au 0.1 As 40	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt-clay; Org: low; Str situs: alluvial; Float: outcrop and talus of quartz-biotite schist, pencil shale texture with interbedded lenses of chert and marble limy texture in some beds, some MnO2 stained boulders
4205-R	LCB3, E10, N13	63	0.8	1	14	122	Au -.1 W -.005% Sn -.005%	Type: grab; Bedrock: yes; Bedrock description: slightly pyritic "pencil" slates, sample above, unit also includes lenses of chert and marble not included in sample, schisto-

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4206-R	LCB3, E10, N13	35	0.6	1	20	42	Au -.1 Sb -5 As 110 W -.005% Sn -.005%	Type: grab; Float: 2' boulder of cherty limestone and orange brown weathered color, has malachite and possible chalcocite HOPE GOLD
4207-S	LCB3, E10, N13	57	0.7	1	18	102	Au -.1 Sb -5 As 70 W 3 Sn -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial-bedrock; Float: fines from talus gully draining mostly black "pencil" slate, some lenses of chert(brown) and orange limy chert, the later has malachite and fine black minerals, chalcocite?
4208-R	LCB3, E10, N13	21	1.7	2	30	12	Au -.1 Sb -5 As -10 W -.005% Sn -.005%	Type: chip;j Bedrock: yes; Float: chip sample 25' lineal feet across a limestone (marble) bed, trace malachite, bed is due N-S near vertical
4209-R	LCB3, E10, N13	9	0.3	1	10	2	Au -.1 Sb -5 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: chip sample 30' lineal of cherty marble containing from 4208 trace malachite, unit has black to brown plates both sides
4210-R	LCB3, E10, N12	9	0.1	-1	6	6	Au -.1 Sb -5 As -10 W -.005% Sn -.005%	Type: grab; Rubcrop: yes; Float: massive bur-suggary quartz with microveinlets of siderite(?) block 2' cube orange weathering
4211-R	LCB3, E10, N13	8	-1	1	14	10	Au -.1 Sb -5 As -10 W -.005% Sn -.005%	Type: grab; Bedrock: yes; Float: white quartz with bands of blue-black mineral 6" thick talus minera, orange weathering, near apparent outcrop of orange marble with malachite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4213-R	LCC2, E2, N17	190	1.4	6	35	31	Au -.1	Type: grab; Bedrock: yes; HI graded: yes; Bedrock description: silicified limestone near contact with gabbro, minor rust, limestone zone 75' wide, brecciated, fractured
4214-R	LCC2, E2, N17	18	4.0	4	47	17	Au -.1	Type: grab; Float: yes; HI graded: yes; Float description: limestone with stringers carbon material from talus 200 feet below in place outcrop of same, sample generally representative of carbon content of the limestone (ASH)
4215-R	LCC2, E3, N16	20	2.5	4	360	72	Au -.1	Type: grab; Float: yes; Float description: high, silicified felsic intrusive rock with siderite(?) and fine grained black metallic minerals, disseminated at 0.5 -1% by volcanics, stream float is less than 1% this rock type, other is andesite, gabbro meta sediments
4216-R	LCC2, E5, N15	60	0.2				Au -.1 As -10	Type: grab; Float: yes; Float description: quartz-pyrite-chalcopyrite(?) totally altered volcanics(?) much limonite through out cirque with bedded appearacne
4217-S	LCB3, E8, N13	68	0.7	1	22	99	As 10 W -2	Wtr wdth: 3-6; Avs tr dpth: dry; In flood: no; Size: sand; Org: low; Str situs: bedrock Bedrock description: graphitic schist, graphitic calcareous schist; Float: above 1% marble, 1% quartz vein material

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4218-R</del>	<del>LCB3, E8, N13</del>	<del>13</del>	<del>0.1</del>	<del>1</del>	<del>6</del>	<del>14</del>	<del>Au -.1 As 10 W -.005%</del>	<del>Bedrock: calcareous schist; Sample: 20' wide N30E striking 85-90° dipping E quartz vein with numerous strung out schist fragments, little iron staining</del>
<del>4219-S</del>	<del>LCB3, E8, N13</del>	<del>94</del>	<del>0.8</del>	<del>1</del>	<del>14</del>	<del>77</del>	<del>As -10 W 4</del>	<del>Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Float: grophitic schist and chlorite schist 90%, marble 5%, quartz vein material 3%, volcanics 2%; Bedrock: grophitic schist and chlorite schist Type: grab; Float: yes; Bedrock: basalt dike cutting chlōritic schist and marble; Sample: heavily manganese stained brecciated vein quartz, limonite stained along fractures</del>
<del>4220-R</del>	<del>LCB3, E8, N12</del>	<del>55</del>	<del>0.4</del>	<del>8</del>	<del>10</del>	<del>92</del>	<del>Au -.1 As -10</del>	<del>Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: marble; Float: marble 70%, chlorite schist 25%, grophitic schist 5%</del>
<del>4221-S</del>	<del>LCB3, E8, N12</del>	<del>64</del>	<del>0.8</del>	<del>1</del>	<del>18</del>	<del>90</del>	<del>As -10</del>	<del>Str width: 1-3; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite 90%, gabbro 10%</del>
<del>4222-S</del>	<del>LCB2, E3, N6</del>	<del>24</del>	<del>0.4</del>	<del>1</del>	<del>36</del>	<del>58</del>	<del>As -10</del>	

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4223-S	LCC2, E3, N6	35	0.7	1	36	102	As -10	Float: granite 85%, gabbro 15%
4224-S	LCC2, E2, N6	23	0.8	1	28	69	As -10	Str width: 1-3; Av s tr dpth: dry; In flood: no; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite fragments
4225-R	LCC2, E2, N6	46	0.5	1	8	54	Be 2 As 10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: homfels(?) or basic volcanics; Float: greenish rock, very recrystallized and very silicified, some vugs filled with limonite, iron stained along fractures
4226-S	LCC2, E1, N6	77	0.6	-1	14	61	As -10	Str width: 3-6; Av str dpth: 1/2-1; In flood: yes; Size: sand; Str situs: alluvial Float: andesite, granite gabbro, intermedial to basic volcanics
4227-R	LCC2, E1, N6	21	0.8	4	12	79	Be 3 As 10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: andesite(?); Float: some silicified & pyritized rock, slightly iron stained in fractures, pyrite is 1%, some fractures look like a homfels very recrystallized and silicified with pyrite dissemination

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4228-R	LCB3, E9, N16	4	0.2	1	8	14	Be 2 As -10 W 0.005% Sn 0.005%	Type: chip; Bedrock: yes; Bedrock description: dacite; Float: dacite, basic composition, iron stained sample, no ore dissemination visible, slightly cooked up, some parts look like hornfels tuff is filling a fault(?) Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: included rhyolite porphyry dacite basalt with quartz veinlets, exotic material, granite and quartz diorite Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite, shale, siltstone, graywacke
<del>4229-S</del>	<del>LCB3, E9, N16</del>	<del>33</del>	<del>0.7</del>	<del>4</del>	<del>42</del>	<del>97</del>	<del>As 30</del>	
<del>4230-S</del>	<del>LCB3, E9, N15</del>	<del>70</del>	<del>1.1</del>	<del>1</del>	<del>28</del>	<del>97</del>	<del>As 10</del>	
4231-R	LCB3, E9, N15	19	0.7	3	18	62	As 100	Str width: 3-6; Av str dpth: dry; Str situs: alluvial; Float: dacite dacite porphyry, rhyolite (iron stained); Type: chip; Rubcrop: yes
4232-R	LCB3, E8, N15	10	0.3	2	24	60	Au -.1 As -10	Type: chip; Float: yes; Bedrock: dacite; Float description: argillitized volcanic(?) altered volcanic rock, some rextystalized rock homblende and quartz are leached out, showing pyrite dissemination, some vugs filled with limonite and hematite, iron stain sample

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4233-S	LCB3, E8, N15	<u>12</u>	<u>0.5</u>	<u>4</u>	<u>20</u>	<u>94</u>	As 10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite rhyolite basalt argillite exotic material, quartz diorite
4234-S	LCB3, E7, N15	<u>54</u>	<u>0.7</u>	<u>1</u>	<u>20</u>	<u>79</u>	As 10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite porphyry, rhyolite basalt, siltstone graywacke
4235-S	LCB3, E7, N15	<u>55</u>	<u>0.8</u>	<u>3</u>	<u>34</u>	<u>90</u>	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: dacite, dacite porphyry, basalt dsiltstone
4236-S	LCB3, E6, N16	<u>43</u>	<u>0.6</u>	<u>1</u>	<u>24</u>	<u>74</u>	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: porphyry dacite, basalt, siltstone, graywacke
4237-S	LCB3, E6, N14	<u>11</u>	<u>0.6</u>	<u>3</u>	<u>38</u>	<u>132</u>	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: volcanic tuff, basalt, rhyolite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4238-S</del>	<del>LCB3, E6, N14</del>	<del>7</del>	<del>0.5</del>	<del>3</del>	<del>14</del>	<del>25</del>	<del>As -10</del>	<del>Str width: 3-6; AV str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: intermediate to basic volcanics</del>
4239-S	LCB3, E5, N14	40	0.7	2	28	81	As -10	Str width: 6-10; AV str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: volcanic intermediate to basic tuffs, siltstone, graywacke
<del>4240-R</del>	<del>LCC4, E11, N3</del>	<del>4</del>	<del>0.4</del>	<del>1</del>	<del>14</del>	<del>17</del>	<del>As -10</del>	<del>Type: chip; Bedrock: yes; Float: unknown rock sample heated, no expandable cooling in water, no fractures, aspect, greenish colored, conoidal fracture, greasy surface</del>
4248-R	LCB3, E8, N13	87	0.9	7	22	65	Au -.1 As -10 W -.005%	Type: grab; Rubcrop: yes; Bedrock description: dark gray carbonaceous marble, schist, and carbonaceous, calcared as schist sample of 3' x 5' block of heavily iron stained carbonaceous schist with fine grain disseminated pyrite and magnetite
4249-R	LCB3, E8, N13	42	0.3	1	8	32	Au -.1 As -10	Type: grab; Float: yes; Bedrock: graphitic schist with some graphitic calcareous schist; Sample: sample of quartz vein float with about 1/2% pyrite cast
<del>4250-R</del>	<del>LCC2, E2, N7</del>	<del>16</del>	<del>4.2</del>	<del>6</del>	<del>53</del>	<del>25</del>	<del>Au -.1</del>	<del>Type: grab; Bedrock: yes; Hi graded: yes; Float: fractured slightly carboniferous limestone with minor rust, limestone lens about 50 feet diameter covered with talus bordered by gabbro</del>
<del>4251-S</del>	<del>LCC2, E1, N9</del>	<del>100</del>	<del>0.7</del>	<del>1</del>	<del>26</del>	<del>102</del>	<del>As 10</del>	<del>Str width: &lt;1; AV str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on volcanic talus</del>



## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4252-S	LCC2, E1, N9	38	0.6	1	34	87	As 10	Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: creek cutting old lateral moraine
4253-S	LCC2, E1, N9	36	0.5	1	32	94	As 10	Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on volcanic(dacite)talus
4254-S	LCC3, E13, N10	34	0.5	1	30	91	As -10	Str width: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: volcanic talus
4255-S	LCC3, E13, N10	37	0.6	1	28	93	As -10	Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: on volcanic talus, creek cutting into moraine material
4256-S	LCC3, E13, N10	34	0.5	1	26	92	As -10	Str width: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on porphyry dacite talus
4257-S	LCC3, E12, N10	37	0.5	1	30	100	As -10	Str width: <1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: volcanic talus

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4258-S	LCC3, E12, N10	35	0.4	1	28	90	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Str situs: colluvial; Float: volcanic talus
4259-S	LCC3, E12, N11	35	0.7	1	30	93	As -10	Str width: < 1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: talus, mainly porphyry dacite
4260-S	LCC3, E12, N11	35	0.6	1	30	86	As 10	Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: alluvial; Float: on lakeshore overgrown small apron
4261-S	LCC3, E12, N11	39	0.7	1	36	95	As 10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: alluvial; Float: on river-apron small creek
4262-S	LCC3, E12, N11	34	0.6	1	30	90	As 10	Str width: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: alluvial; Float: on old breached moraine

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4263-R	LCB4, E3, N8	14	0.8	6	10	40	Au -.1 As 240	Type: chip; Bedrock: porphyritic rhyolite to rhyodacite white to medium gray aphanitic matrix up to 2 mm white feldspar phenocrysts very minor pyrite, some iron and manganese stains Str width: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: small drainless dry pond at toe of porphyritic rhyolite and rhyolite breccia talus with some desirable iron stains, Au test warranted
<i>Do This one</i> <del>4264-R</del>	<del>LCB4, E3, N8</del>	<del>29</del>	<del>0.8</del>	<del>3</del>	<del>59</del>	<del>86</del>	<del>Au -.1 As 10</del>	
4265-R	LCB4, E3, N8	21	1.1	3	21	77	Au -.1 As -10	Type: chip; Bedrock: yes; Float: porphyritic rhyodacite, dacite very negligible iron stain.
4266-R	LCB4, E3, N8	8	1.0	17	10	46	Au -.1 As 70	Type: chip; Bedrock: yes; Float: about 50' wide iron stained porphyry rhyolite and rhyolite breccia, extreme fracturing some pyrite on rare fresh surfaces, Mn stains
<del>4267-S</del>	<del>LCB4, E3, N8</del>	<del>21</del>	<del>0.9</del>	<del>1</del>	<del>14</del>	<del>40</del>	<del>As -10</del>	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: drainage of rhyolite and dacite talus

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4268-S	LCB4, E2, N8	12	0.4	1	5	23	As 10	Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: alluvial; Float: drains rhyolite dacitic talus
4269-S	LCB4, E2, N8	22	0.8	1	13	42	As -10	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: draining cirque of acid volcanics and sub volcanics
4270-R	LCB4, E2, N8	18	1.0	1	10	75	Au -.1 As -10	Type: chip; Bedrock: yes; Float: fine grained diorite "salt & pepper" texture, minor magnetite
4271-R	LCB4, E2, N7	25	0.9	4	10	41	Au -.1 As 90 spectro	Type: chip; Bedrock: yes; Float: extensively silicified shear zone with dense irregular fracturing, original rock gr diorite(?) but due to alteration, lost almost all its mafics, on fracture surfaces, finely disseminated sulfides(iron and copper)
4272-R	LCB4, E2, N2	10	0.9	2	4	10	Au -.1 As 30 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: see 4271

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4273-R	LCB4, E2, N7	40	0.3	2	4	19	Au -.1 As 100	Type: chip; Bedrock: yes; see 4271
4274-R	LCB4, E2, N7	16	0.8	1	3	11	Au -.1 As 70 spectro	Type: chip; Bedrock: yes; see 4271
4275-R	LCB4, E2, N7	17	0.6	1	11	18	Au -.1 As 10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; see 4271
4276-R	LCB4, E2, N7	14	0.9	2	19	127	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; see 4271
4277-R	LCB4, E2, N7	20	1.0	2	22	92	Au -.1 As 10 spectro	Type: chip; Float: yes; Float description: fine rubble from crags of sheared silicified and heavily iron stained zone

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4278-R	LCB4, E3, N7	8	1.2	1	14	76	Au -.1 As -10	Type: chip; Bedrock: yes; Float: fine grained, biotite granite with K-spar enrichment
4279-R	LCB4, E3, N7	9	0.6	1	11	62	Au -.1 As -10	Type: chip; Float: yes; Float description: fine talus on ridge line, bedrock biotite granite
<del>4280-S</del>	<del>LCB3, E6, N4</del>	<del>160</del>	<del>1.5</del>	<del>2</del>	<del>24</del>	<del>125</del>	<del>As -10 W 2</del>	Str wtdh: <1; Av strdpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: dry watercourse draining heterogeneous glacial talus
<del>4281-S</del>	<del>LCB3, E8, N12</del>	<del>62</del>	<del>0.8</del>	<del>1</del>	<del>18</del>	<del>101</del>	<del>As 30</del>	Str wtdh: 3-6; Avstr dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: marble; Float: siliceous sericite, schist, chlorite schist 65%, (schist 30%) Marble 3%, granitic schist 2%
<del>4282-S</del>	<del>LCB3, E8, N12</del>	<del>98</del>	<del>0.8</del>	<del>1</del>	<del>12</del>	<del>84</del>	<del>As 10</del>	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Bedrock: quartz schist, chlorite quartz schist, exotic granite float

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4283-S	LCB3, E8, N12	220	1.5	2	22	186	As 10 W -2	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: medium; Str situs: bedrock; Bedrock description: chlorite quart schist; Float: above 60%, marble 30%, exotic granitic rock 10%
4284-S	LCB3, E8, N12	56	0.8	1	12	85	As 10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: quartz chlorite schist; Float: above 70%, exotic glacial material 20%, marble 10%
4285-S	LCB3, E8, N11	120	0.9	1	12	91	As 10	Str width: 3-6; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: quartz chlorite schist; Float: 90% above, 10% exotic granite rocks
4286-R	LCB3, E8, N11	32	0.5	1	8	26	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Bedrock description: quartz chlorite schist; Sample: cut over 6' of iron stained quartz vein on right limit of creek vein strikes N90oE
4287-S	LCB3, E8, N11	58	0.7	1	14	73	As 10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: quartz-chlorite schist; Float: 60% above, 25% moraine derived, exotic granitic float, 5% marble 10% other exotic volcanics etc

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4288-S	LCB3, E6, N16	<u>19</u>	<u>0.9</u>	<u>2</u>	<u>20</u>	<u>68</u>	As -10	Str wth: 1-3; AV str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: dacite with gray argillite fragments; Float: above with 20%; Sample: agglomerate, 3% argillite and graywacke(?)
4289-S	LCB3, E7, N16	<u>21</u>	<u>1.0</u>	<u>2</u>	<u>21</u>	<u>63</u>	As -10	Str wth: 1-3; AV str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: dominantly agglomerate and coarse tuff 15% dacite
4290-S	LCB3, E6, N16	<u>16</u>	<u>1.0</u>	<u>4</u>	<u>23</u>	<u>75</u>	As -10	Str wth: 3-6; AV str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: coarse agglomerate with included fragments up to 1' x 8" averaging between 3 & 6" a few 1-2mm quartz veinlets cut unit at 1 every 15-20'
4291-S	LCC4, E11, N4	<u>15</u>	<u>0.6</u>	<u>1</u>	<u>28</u>	<u>67</u>	As 520	Str wth: 1-3; AV str dpth: dry; Size: sand; Str situs: alluvial; Float volcanic tuff, dacite fragments
4292-R	LCC4, E10, N4	<u>6</u>	<u>0.2</u>	<u>2</u>	<u>18</u>	<u>15</u>	As 50	Type: chip; Rubcrop: yes; Float: argillized volcanic rock(?) of altered volcanic rock, completely leached, quartz and feldspars are gone, very fine pyrite dissemination, limonite and hematite in vugs, iron stained sample



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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4293-S	LCC4, E9, N4	10	0.5	1	24	132	As 230	Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: predominantly silt leached volcanic rock, iron stained, some fragments of basic volcanic
4294-S	LCC4, E9, N5	11	0.7	2	20	75	As 20	Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: altered volcanic rock(iron stained) intermediate to basic volcanics
4295-R	LCC4, E11, N5	25	0.4	1	18	48	Au -.1 As -10	Type: chip; Rubcrop: yes; Float: altered rock, blacked altered volcanics, feldspars are given, some clay minerals in vugs, limonite in vugs
4296-R	LCC4, E11, N5	6	0.7	2	16	88	As -10	Type: chip; Float: yes; Bedrock: volcanic tuff; Float description: dacite, slightly iron stained, limonite in vugs, ore dissemination
4297-R	LCC4, E11, N5	53	0.8	1	12	79	Au -.1 As -10	Type: chip; Rubcrop: yes; Float: altered volcanic rock, iron stained, bleached rock, limonite in vugs, it has some esferulites of tuff filled with quartz(?) no ore dissemination

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4298-S</del>	<del>LCC4, E10, N6</del>	18	1.1	1	16	103	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood yes; Size: sand; Str situs: bedrock; Bedro description: basic dacite; Float: same, no ore dissemination
<del>4299-S</del>	<del>LCC4, E10, N6</del>	19	0.8	1	16	125	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood yes; Size: sand; Str situs: bedrock; Bedro description: dacite; Float: basic dacite, float altered volcanics and tuffs
<del>4300-S</del>	<del>LCC4, E9, N6</del>	16	0.9	1	18	125	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood yes; Size: sand; Str situs: alluvial; Float: dacite, tuff rhyolite
<del>4301-R</del>	<del>LCC4, E9, N6</del>	10	0.4	2	12	120	As -10	Type: chip; Bedrock: yes; Bedrock description: dacite; Float: dacite, basic dacite, fine grained, iron stained sample and outcrop, no ore dissemination visible, some tuff as an exotic material
<del>4302-S</del>	<del>LCC4, E10, N6</del>	14	0.7	1	18	106	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite intermediate volcanic and tuff
4303 -R	LCB3	15	2.9	4	34	24	Au -.1 As -10	Tactite. Very recrystallized rock. No ore dissem. visible.

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4304-R	LCB3, E6, N12	12	1.6	2	32	14	Au -.1 As -10 W -.005% Sn -.005%	Bedrock: limestone; Float: rock almos cooked up, structure is laminar some chert is noticed in, no ore dissemination, some fine veinlets of quartz
4305-R	LCB3, E6, N12	23	.1	1	6	12	Au -.1 As -10 W -.005% Sn -.005%	Float: limestone, skarn(?) or chert, it seem to be a skarn, rock partially cooked up, but is hard, no ore dissemination visible
4306-R	LCB3, E6, N11	6	2.2	2	34	23	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Float: white quartz, transgressed by numerous white quartz stringers in about 200 feet wide NE trend shear, indurated intermingled with dark green rock Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: drainageless small "pond" on ridge of granite
<del>4307-S</del>	<del>LCB4, E3, N6</del>	<del>17</del>	<del>0.9</del>	<del>1</del>	<del>14</del>	<del>41</del>	<del>As -10</del>	
4308-R	LCB4, E3, N5	10	0.4	1	9	29	Au -.1 As -10	Float: rhyolite porphyry, sericitized much irregular jointing
<del>4309-S</del>	<del>LCB4, E3, N5</del>	<del>18</del>	<del>0.8</del>	<del>1</del>	<del>14</del>	<del>41</del>	<del>As -10</del>	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: alluvial; Float: drainageless dry pond in saddle point on rhyol-granite contact

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4310-R	LCB3, E6, N11	45	1.2	1	14	59	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Float: dark green cylonized shear filling, much contorted shears and slickensided original rock undecipherable, minor pyrite, minor Mn stains
4311-R	LCB3, E6, N11	8	0.5	1	6	13	Au -.1 As -10 W -.005%	Type: chip; Float: yes; Float description: chip of sheared and hematized chert, one of frequent talus fragments, main component of talus sheared and occasionally serpentinized meta andesite
<del>4312-S</del>	<del>LCB3, E5, N11</del>	<del>84</del>	<del>1.1</del>	<del>1</del>	<del>18</del>	<del>77</del>	<del>As -10 W 2</del>	<del>Str width: &lt; 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: draining dry, meta andesite talus</del>
<del>4313-S</del>	<del>LCB3, E5, N11</del>	<del>74</del>	<del>0.9</del>	<del>3</del>	<del>30</del>	<del>75</del>	<del>As -10 Ni 67 W 4</del>	<del>Str width: &lt; 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on meta-andesite talus with chert fragments check Ni</del>
4314-R	LCB3, E5, N11	61	0.8	1	14	75	Au -.1 As -10 Ni 71 W -.005% spectro	Str width: 6-10; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Type: chip; Float: yes; Float description: coarse sand and fine gravel from main watercourse under large chert lens in meta andesite, should be treated as rock sample

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4315-R	LCB3, E5, N11	59	1.1	1	14	76	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Float: rusty shear in meta andesite
4316-R	LCB3, E5, N11	9	0.3	3	8	42	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Float: silicified light aphaitic volcanic(trachite) much disseminated hematite
4317-S	LCB3 E5, N11	21	0.8	1	14	36	As -10 W 3	Str wdth: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on vegetation, covered talus
4318-S	LCB3, E5, N11	21	1.0	1	14	39	As -10 W -2	Str wdth: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on vegetation covered talus
4319-S	LCB3, E5, N10	68	1.0	1	16	57	As 30 W -2.	Str wdth: 3-6; Av str dpth: 1-2; In flood: no; Size: sand; Str situs: colluvial-bedrock Float: creek on chlorite schist and colluvium

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4320-R	LCB3, E5, N10	46	0.8	1	12	82	Au -.1 As 20 W -.005%	Type: chip; Bedrock: yes; Float: green-gray chloritic, schist minor iron stains, strike about 65°, dip about 55°SE
4321-R	LCB3, E5, N10	6	0.6	3	15	88	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Float: 2 feet wide totally silicified band in schist 4320 abundant iron stain
<del>4322-S</del>	<del>LCB3, E5, N10</del>	<del>66</del>	<del>1.1</del>	<del>1</del>	<del>16</del>	<del>60</del>	<del>Au -.1 As 40 W -2</del>	<del>Str wtdh: &lt;1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on dry watercourse, vegetation covered talus</del>
4323-R	LCB3, E4, N10	98	1.1	2	15	83	Au -.1 As -10 W -.005%	Type: chip; Bedrock: yes; Bedrock description: about 2 feet wide leached and rusted gossan in chlorite, schist, explor trench on staked property
4324-R	LCB3, E4, N10	53	1.7	1	15	141	Au -.1 As 110 W -.005%	Type: chip; Bedrock: yes; Float: about two feet wide shear aparallel to 4323 and about two feet to e of it, same type

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4324-R	<del>LCB3, E4, N10</del>	<del>53</del>	<del>1</del>	<del>1</del>	<del>8</del>	<del>141</del>	Au -.1 As 110 W -.005%	Type: chip; Bedrock: yes; Float: about two feet wide shear parallel to 4323, and about two feet to east of it, same type
4325-R	LCB3, E4, N9	9	1.2	1	8	14	Au -.1 As -10 W -.005%	Type: chip; Float: yes; Float description: about 1 ft quartz boulder leached, vuggy some iron rust (quartz is placed at location)
4326-R	LCB4, E4, N8	16	0.4	2	24	44	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Rubcrop: yes; Float: sample from rubcrop and bedrock over 30' is iron stained rhyolite
4327-R	LCB4, E5, N8	35	0.6	2	10	90	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Rubcrop: yes; Bedrock description: rubcrop and bedrock of chert
4328-R	LCC4, E13, N10	15	0.5	2	10	70	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: single piece of chert(?) or very fine grained rhyolite, other float consists of andesite, dacites, acid tuffs, also some granodiorite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4329-R	LCC4, E13, N10	<u>26</u>	<u>0.5</u>	<u>4</u>	<u>20</u>	<u>147</u>	Au -.1 As -10	Type: grab-chip; Bedrock: yes; Bedrock description: sample of reddish rhyolite(?) float granodiorite rhyolite andesite and tu
4330-S	LCC4, E13, N10	16	0.7	1	20	93	As -10 W -2 Sn -10	Str width: 6-10; Av str dpth: 1/2-1; In flood no; Size: sand-silt; Org: low; Str situs: alluvial; Float: volcanics, andesites, rhyolites, dacites, tuffs, compose 50% of float, granodiorite or quartz diorite composes other 50% of float
4331-R	LCC4, E13, N11	<u>11</u>	<u>0.5</u>	<u>6</u>	<u>22</u>	<u>123</u>	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sample of red volcanic which is probably rhyolite in contact with white brecciated volcanics of rhyolite composition
4332-R	LCC4, E13, N11	<u>14</u>	<u>0.3</u>	<u>3</u>	<u>12</u>	<u>140</u>	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of iron stained rhyolite(?) fine grained and sometimes blackish colored
4333-S	LCC4, E12, N10	17	0.9	2	20	88	As -10	Str width: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt; Org: medium-low; Str situs: alluvial; Float: acid and intermediate volcanics eg. rhyolite, tuffs, andesite and dacite, also diorite and granodiorite



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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4334-S	LCC4, E12, N10	12	0.9	1	14	66	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: dacite float, iron side of hill, no float in stream
4335-S	LCC4, E12, N10	14	0.9	2	14	48	As 10 W -2 Sn -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high-medium; Str situs: alluvial; Float: porphyritic rhyolite and fine grained andesite
4336-S	LCC4, E11, N10	14	1.1	1	16	55	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: high; Str situs: alluvial; Float: granodiorite, and some volcanics
4337-S	LCC4, E11, N10	12	.12	3	16	90	As 10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: high-medium; Str situs: alluvial; Float: rhyolites, tuffs, andesites, and breccias
4338-R	LCC4, E10, N10	8	0.5	2	32	144	Au -.1 As 20 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: sample of rhyolite, slightly altered(?) and rhyolite breccia, mild iron staining

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4339-R	LCC4, E9, N10	13	0.5	4	12	137	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Float: yes; Float description sample is of porphyritic dacite from talu that is manganese stained
4340-S	LCB3, E7, N11	220	1.2	3	23	108	As 160 W 2 Sn -10	Str width: 3-6; Av str dpth: 0-1/2; Inflood no; Size: silt; Org: medium-low; Str situ: alluvial; Float: volcanics, rhyolite-dacite andesite also porphyritic and there are meta rhyolites and andesite Type: grab; Rubcrop: no; Bedrock: iron stained siltstone
4341-R	LCC3, E1, N9	16	0.8	6	10	159	Au -.1	
4342-S	LCC4, E13, N8	19	0.7	1	14	91	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 90% iron stained siltstones, 10% dacite porphyry, porphyritic andeiste, rhyolite, cherty welded tuff breccia Str width: < 1; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: high; Str situs: alluvial; Float: siltstone, felsite tuff breccia
4343-S	LCC4, E13, N9	16	1.0	1	18	75	As -10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4344-R	LCC4, E11, N9	<u>6</u>	<u>0.3</u>	<u>1</u>	<u>10</u>	<u>50</u>	Au -.1 W -.005% Sn -.005% spectro	Type: grab; Bedrock: yes; Bedrock description: buff felsite tuff, banded
4345-R	LCC4, E11, N9	<u>7</u>	<u>0.3</u>	<u>2</u>	<u>10</u>	<u>56</u>	Au -.1 W -.005% Sn -.005% spectro	Type: grab; Bedrock: yes; Bedrock description: pinkish buff felsite tuff, banded some iron stain
4346-R	LCC4, E11, N9	<u>11</u>	<u>0.2</u>	<u>3</u>	<u>12</u>	<u>49</u>	Au -.1	Type: grab; Bedrock: yes; Bedrock description: gray felsite tuff banded, some iron stain
4347-S	LCC4, E10, N9	15	0.7	1	20	58	As -10	AV str dpth: dry; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrock: pinkish buff felsite tuff, banded
4348-S	LCC 4, E10, N9	12	1.0	1	18	90	As -10	Str width: <1; AV str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: high; Str situs: alluvial; Float: felsite tuff, banded porphyritic dacite breccia, some rock probably till

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4349-R	LC04, E9, N9	<u>8</u>	<u>0.2</u>	<u>2</u>	<u>6</u>	<u>51</u>	Au -.1	Type: grab; Bedrock: yes; Bedrock description: quartz vitrophyre iron stained
4350-R	LCB3, E2, N10	<u>8</u>	<u>1.3</u>	<u>3</u>	<u>54</u>	<u>160</u>	Au -.1	Type: grab; Bedrock: yes; Bedrock description: chloritized and slightly meta morphosec siltstone iron stained, contains disseminated and veinlets of pyrite up to 5%
4351-R	LCB3, E2, N10	<u>21</u>	<u>0.4</u>	<u>6</u>	<u>10</u>	<u>10</u>	Au -.1 W -.003% Sn -.003%	Type: grab; Float: 50% porphyritic rhyolite(?) bleached and iron stained(sample) 50% iron stained siltstone
4352-R	LCB3, E2, N10	<u>6</u>	<u>1.0</u>	<u>4</u>	<u>21</u>	<u>46</u>	Au -.1	Type: grab; Bedrock: yes; Bedrock description: extremely iron stained argillitized siltstone, disseminated pyrite up to 5% (sample) float: sample siltstone, porphyritic rhyo 5% porphyritic dacite
4353-R	LCB3, E2, N10	<u>10</u>	<u>0.7</u>	<u>5</u>	<u>14</u>	<u>66</u>	Au -.1	Type: grab; Float: yes; Float description: porphyritic rhyodacite highly iron stained mafics chloritized disseminated pyrite up to 2%

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4421-S</del>	<del>LCB4, E4, N6</del>	<del>16</del>	<del>1.0</del>	<del>1</del>	<del>22</del>	<del>57</del>	As 240	Str wtdh: 1; Av str dpth: 0-1/2; In flood: no; Size: sand-gravel-silt; Org: medium; Str situs: alluvial; Float: porphyritic dacite and dacite breccia, rock silicified 50% of rock iron stained
4422-R	LCB4, E4, N6	24	0.8	6	15	71	Au -.1	Type: grab; Bedrock: yes; Bedrock description: fine grained dacite, iron stained, fine grained disseminated pyrite(?)
4423-R	LCB4, E4, N6	36	1.0	8	16	78	Au -.1	Type: grab; Bedrock: yes; Bedrock description: silicified dacite, iron stained with disseminated pyrite(fine grained)
4424-R	LCB4, E4, N7	13	0.5	5	14	60	Au -.1	Type: chip; Bedrock: yes; Bedrock description: bleached, silicified, iron stained dacite(?) 6 ft chip sample
4425-R	LCB4, E4, N7	20	0.6	9	20	39	Au -.1	Type: chip; Bedrock: yes; Bedrock description: dacite(?) highly fractured, bleached, argillitized in places, iron stained, part of altered outcrop area 400 feet along ravine, 100 feet wide, 10 feet chip sample

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4426-S	LCB3, E7, N11	105	1.0	2	16	94	Au -.1 As 170 W 4 Sn -10	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: outcrop of chlorite schist; Float: cobbles of calcite, greenstone, some with amygdules, chert(?) slate, dacite porphyry fine grained green volcanics, iron stained greenstone in toto metamorphosed acid, and intermediate volcanics and some sediments Type: chip; Bedrock: yes; Bedrock description: sample of chlorite schist with foliation N26°E and 70°E 1"-5" quartz veins with pinch and swell parallel to foliation, sample of quartz vein with sample Type: grab; Float: yes; Float description: sample of iron stained chlorite schist or greenstone, some of it is silicified, some pieces with pyrite 1/2" veinlets
4427-R	LCB3, E7, N11	44	0.8	3	10	58	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: sample of chlorite schist with foliation N26°E and 70°E 1"-5" quartz veins with pinch and swell parallel to foliation, sample of quartz vein with sample Type: grab; Float: yes; Float description: sample of iron stained chlorite schist or greenstone, some of it is silicified, some pieces with pyrite 1/2" veinlets
4428-R	LCB3, E7, N11	94	1.2	2	12	33	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of chlorite schist with foliation N26°E and 70°E 1"-5" quartz veins with pinch and swell parallel to foliation, sample of quartz vein with sample Type: grab; Float: yes; Float description: sample of iron stained chlorite schist or greenstone, some of it is silicified, some pieces with pyrite 1/2" veinlets
4429-R	LCB3, E7, N11	70	1.3	2	11	18	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: sample of iron stained greenstone from shear zone cutting across creek N10°E some pyrite perhaps 1% visible
4430-R	LCB3, E7, N11	60	1.0	3	19	49	Au -.1 As -10 W 0.005% Sn -.005%	Float: outcrop of bedded cherts(?) and volcanics (black, fine grained) over 20' strike N33°E and dip 73°E

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4431-R	LCB3, E7, N11	81	1.0	4	15	47	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: sample from outcrop of bedded cherts (?) N40°E and vertical
4432-R	LCB3, E7, N11	92	1.2	1	13	33	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sample from outcrop of meta andesites
4433-S	LCB3, E7, N11	79	1.0	1	12	37	As 10 W 3 Sn -10	Str width: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock-Float: diorite, 80% andesite, marble schist
4434-R	LCB3, E7, N11	11	3.5	3	41	27	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample is of limestone with laminar beds N29°E to N 0°E and vertically dipping some beds have an orange color to them, sample is taken over 35' of beds, float of meta andesite or greenstone coming down from beds overlaying it

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4435-R	LCB3, E7, N11	330	1.9	2	22	76	Au -.1 As -10	Type: chip; Bedrock: yes; Float: yes; sample is taken from outcrop and float coming down from above, it is a greenschist with epidote stringers and calcite on fractures, there is some chalcidolite on rock surfaces of float, perhaps shear surfac
4436-R	LCB3, E7, N11	29	2.3	2	38	16	Au -.1 As 30 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample is from outcrop of limestone from same stratigraphic horizon as here, it is over lain by greenschist facies that may have been volcanics, vertical thickness (distance vertically from upper contact to lower contact) is 260'
4437-R	LCB3, E7, N11	23	2.4	1	37	33	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: sample of greenstone is taken near lower contact, vertical thickness is 130'
4438-R	LCB3, E7, N11	70	2.4	1	31	29	Au -.1 As 50 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: s ampel across contact between greenstone and meta limy sediments also in bed, has a strong crenulation foliation and bed strikes N22°E with no evident dip, true thickness of bed is roughly 20-25



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4439-R	LCB3, E4, N10	30	0.3	1	13	89	Au -.1 As -10 W -.005% spectro	Type: chip; Bedrock: yes; Float: chloritic schist, hostrock to mineralized and leached shear (west wall)
4440-R	LCB3, E4, N10	340	1.1	1	13	220	Au -.1 As -10 W -.005% spectro	Type: chip; Bedrock: yes; Float: about two feet of mineralized and leached shear in exploration pit
4441-R	LCB3, E4, N9	350	2.8	1	14	43	Au -.1 As -10 spectro	Type: chip; Float: yes; Float description: leached gossan material from exploitation pit
4442-R	LCB3, E4, N9	27	0.1	1	4	18	Au -.1 As -10	Type: chip; Bedrock: yes; Float: about two feet wide, white chert with irregular quartz veinlets, minor sulfides in latter
4443-R	LCB3, E4, N9	150	3.7	1	14	64	Au 0.4 As 10	Type: chip; Bedrock: yes; Float: green chloritic schist, slickensided about 200 wide, magnetite grained
4444-R	LCB3, E4, N9	48	0.1	1	6	18	Au -.1 As -10	Type: chip; Bedrock: yes; Float: buff siliceous schist to chert, iron stains, shearing about 60 NE, steep dips

PROJECT - COOK INLET A

Sample Area and  
No. Coordinates

Cu Ag Mo Pb Zn Other

Remarks

4445-R

LCB3,  
E4, N11

12

0.6

4

29

68

Au -.1  
As 70

Type: chip; Float: yes; Float description:  
dacite porphyry iron and manganese stains

4446-R

LCB3,  
E3, N11

32

0.7

4

26

73

Au -.1  
As 20

Type: chip; Float: yes; Float description:  
dacite, harsh a weathered "tuffy"  
appearance light green

4447-R

LCB3,  
E3, N10

29

0.7

4

28

91

Au -.1  
As 90

Type: chip; Float: yes; Float description:  
dacite, light green, slightly morphyritic  
Mn stains

4448-R

LCB3,  
E3, N10

16

0.6

3

26

79

Au -.1  
As 20

Type: chip; Bedrock: yes; Float: dacite, at  
places porphyritic, no appreciable staining

4449-R

LCB3,  
E3, N10

18

0.9

4

30

87

Au -.1  
As 30

Type: chip; Float: yes; Float description:  
porphyry dacite small disseminated specks  
secondary manganese, iron stains

4450-R

LCB3,  
E3, N10

20

0.7

3

31

80

Au -.1  
As 70

Type: chip; Float: yes; Float description:  
light green, somewhat porous dacite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4451-R	LCB3, E13, N6	250	1.2	16	9	50	Au -.1 As -10	Type: chip; Float: yes; Float description: fine gs diorite, talus (medial moraine) heavy iron coat, fine pyrrhotite and some fine cha
4452-S	LCB3, E13, N6	85	1.0	5	13	78	Au -.1 As -10	Str wtdth: < 1' Av str dpth: 0-1/2; In flood: no Size: sand-silt; Str situs: glacial; Float: picked on ice, diorite talus
4453-S	LCB3, E13, N6	12	0.6	1	9	44	Au -.1 As -10	Str wtdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on cirque floor rubble, mostly diorite
4454-S	LCB3, E13, N6	16	0.2	1	11	43	Au -.1 As -10	Str wtdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Float: on cirque floor
4455-S	LCB3, E13, N6	12	0.6	1	9	40	Au 0.1 As -10	Str wtdth: 1-3; Av str dpth: none; In flood: no Size: silt; Str situs: Colluvial; Float: on cirque floor
4456-S	LCB3, E13, N6	11	0.5	1	9	41	Au -.1 As -10	Str wtdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on cirque floor

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4457-S	LCB3, E13, N5	13	0.6	2	10	46	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on monzonite talus
4458-S	LCB3, E5, N14	25	1.2	3	28	73	As -10	Str wtdh: <1; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: rhyolite, quartz monzonite
4459-R	LCB3, E5, N14	14	1.0	8	30	63	As -10	Type: chip; Bedrock: yes; Float: alternate rock, partially cooked up, some spare calcite veinlets, slightly iron stain(?) no ore dissemination
4460-R	LCB3, E10, N5	31	1.2	4	14	41	As -10	Type: chip; Bedrock: yes; Bedrock description: diorite, biotite diorite, medium grained rock very rich in biotite, no ored dissemination visible, no signs of hydrothermal alteration
4461-R	LCB3, E9, N5	510	0.9	36	10	26	As -10	Type: chip; Float: yes; Bedrock: biotite diorite; Float: meta sediment, strongly silicified and recrystallized rock with calcite veinlets showing pyrite dissemination(3%), iron stained sample, limonite and hematite present
4462-R	LCB3, E9, N5	13	0.4	4	14	26	Au -.1 As -10 W -.005% Sn -.005% Be -2	Type: chip; Bedrock: yes; Float: bombels(?) very recrystallized and silicified, rock strongly cooked up, dike 10' wide, no ore dissemination

D.C. Cook

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4463-S	LCC3, E9, N5	170	0.8	3	22	70	As 50	Str wtdh: 3-6; Av str dpth: dry; Size: sand Str situs: alluvial; Float: dacite, hornblende biotite diorite, hornfels
4464-R	LCC3, E8, N8	12	1.0	7	24	49	Au -.1 As -10 W -.005% Sn -.005% Be 4	Type: grab; Float: yes; Hi graded: yes; float: at 480 sample here, altered vol- canics with up to 5% disseminated and ve- pyrite, largely gridised quartz (clay of feldspar) alteration, of a variety of volca- eg. feldspar porphyry volcanics of simila- texture to dominant rock types in stream, quartz porphyry volcanic, no t seen in un- ed form tuff breccia, not seen in unalte- form
4465-R	LCC3, E8, N8	10	0.6	3	20	74	As -10	Type: chip; Float: yes; Float description: rhyolite lapilli tuffs, 0.5-1.0 cm lapilli lesser ash tuffs, very minor iron stain on fractures
4466-S	LCC3, E8, N8	19	1.0	3	40	92	As 10	Str wtdh: 1-3; Av str dpth: dry; In flood: Size: gravel-sand-silt; Org: low; Str situs: residual; Float: rhyolite volcanics ash a- lapilli tuffs, some weak limonite staining
4467-D	LCC3, E7, N8	21	1.7	9	148	136	As 60	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: white-brown; Soil situs: glacial; Org: low; Froz: no; Float: as for but lapilli slightly larger and limonite s a little more common, some MnO2 stain

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4417-S	LCB3, E10, N13	123	1.9	2	60	140	As 30	Av str dpth: dry; Size: gravelsand-silt; Org: medium; Str situs: alluvial; Float: quartz sericite schist, quartz chlorite schist, phyllite, some vein quartz, 50% of rock iron stained Type: grab; Float: yes; Hi graded: yes; Float description: quartz sericite schist, quartz chlorite schist phyllite, some vein quartz (sample) iron stained, 50% of rock iron stained
4418-R	LCB3, E10, N13	43	0.7	3	12	400	Au -.1	Av str dpth: dry; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz sericite schist, quartz chlorite schist phyllite, several pieces of talc schist, many rock iron stained, many quartz and calcite veinlet on recent rock slide
4419-S	LCB3, E10, N13	77	1.6	3	30	72	As 50	Type: grab; Float: yes; Float description: quartz sericite schist, quartz chlorite schist, phyllite, several pieces of talc schist, many rock iron stained, many quartz and calcite veinlet on recent rock slide
4420-R	LCB3, E10, N13	7	1.9	2	24	36	Au -.1	Type: grab; Float: yes; Float description: quartz sericite schist, quartz chlorite schist, phyllite, several pieces of talc schist, many rock iron stained many quartz and calcite veinlets, sample iron stained, argillitized schist with green mineral

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4354-R	LCB3, E2, N10	7	0.7	3	15	63	Au -.1 W -.003% Sn -.003%	Type: grab; Float: yes; Float description: porphyry rhyo porphyry dacite dacite breccia siltstone andesite porphyry basat most rock iron stained some with disseminat pyrite, sample - rock chip(float) taken every three feet across 30' coarse alluvium colluvium
4355-R	LCB3, E2, N10	6	0.5	5	20	46	Au -.1 W -.003% Sn -.003%	Type: grab; Float: yes; Float description: porphyry rhyo porphyry dacite dacite breccia andesite porphyry siltstone basalt, most rock iron stained, sample-float chip collected at 3' intervals across 20 feet channel alluvial-colluvial
4356-S	LCB3, E2, N10	15	1.0	6	95	132	Au -.1 As -10	Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: colluvial alluvial; Bedrock: chloritized andesite(?); Float: chloritized andesite 5% iron stained rhyo 20% porphyritic dacite Str wtdh: 21-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Float: dacite and andesite porphyry and tuff breccia with epidote and chlorite alteration, 5% granodiorite, 1% basalt
4357-S	LCB3, E2, N9	15	1.1	2	29	83	As -10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4358-R	LCB3, E2, N9	14	1.2	12	22	64	Au -.1	Type: grab; Float: yes; Hi graded: yes; Float description: dacite and andesite porphyry and tuff breccia with epidote and chlorite alteration 5% granodiorite, 1% basalt, sample dacite tuff breccia with chlorite and epidote alteration, disseminated pyrite, iron stained (less than 1% of float highly iron stained) Type: grab; Bedrock: yes; Bedrock description: dacite(?) tuff breccia, chlorite and epidote alteration, lithic fragments acidic to basic volcanics, some Mn stain, portions of bedrock, contain small lithophysae
4359-R	LCB3, E2, N9	11	1.0	2	25	70	Au -.1	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Bedrock: andesite, anygdaloidal in part, float: 10% granodiorite and quartz diorite some quartz diorite is gneissic, 90% acidic to basic volcanics porphyrites and tuff breccias, 50% of rock iron stained Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: aluvial-bedrock; Bedrock description: crystalline limestones(white)outcrop with interbeds siltstones, float about 40% greenschists, some amphibole but predominantly chlorite-meta basalts and meta basalt tufts, one boulder of little with cpy and pyrite(see 4381) and are with malachite stain about 40%
<del>4360-S</del>	<del>LCB3, E3, N9</del>	<del>22</del>	<del>1.8</del>	<del>13</del>	<del>62</del>	<del>190</del>	<del>As 10</del>	are with malachite stain about 40% sandstones and about 10% diorite, also metamorphosed, rare gabbro and dolerite, rare cherts, H.S. 4380 mal stained chlorite
<del>4360-S</del>	<del>LCB3, E11, N16</del>	<del>60</del>	<del>0.9</del>	<del>1</del>	<del>14</del>	<del>88</del>	<del>As 10</del>	



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4381-R	LCB3, E11 N16	3400	1.7	5	12	49	Au -.1 As -10	Type: grab; Float: yes; Bedrock: site approximately at 4380 sample, well foliated chlorite schists with some (5%) segregation of quartz along foliae and vein. stringers of pyrite and chalcopyrite comprise about 5% of rock (i.e. the one float boulder sampled) pyrite more than chalcopyrite (3-4) sulfides seem to be magnetite rich (more than 50% of rock) portions of rock, sulfide has much coarse grains size than magnetite, a few spots of epidote, rock originally a basaltic and andesitic? tuff? no phenocrysts, most chlorite, no oxidization, schist, no min. Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: colluvial-alluvial-bedrock; Float: similar to 4380, still a trace of Cu in greenschists but po is more common eg in meta siltstones (mica schist) and green schist metamorphosed rhyolite tuffs? (see H.S. 4382A) on left hand books metasiltstones on R.H.S. a little farther downstream, rather sheared
4382-S	<del>LCB3,</del> E11, N16	64	0.9	1	14	<del>91</del>	Au -.1 As 10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4383-R	LCB3, E11, N16	71	0.8	1	14	81	Au -.1 As 10	Type: chip; Float: yes; Float description: stream on LH bank, sample of five talus sporting off outcrop, highly fractured (eg 20/1') chert, weak thin limonite stain or fractures Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: 10% coarse grained quartz monzonite, 90% metamorphosed sediments (predominantly siltstones) basic intense diorite volcanics and tuffs, no Cu seen.
<del>4384-S</del>	<del>LCB3, E11, N16</del>	<del>19</del>	<del>0.8</del>	<del>2</del>	<del>20</del>	<del>91</del>	<del>As -10</del>	
4385-S	LCB3, E11, N16	150	0.8	1	16	83	As 10	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt-clay; Org: low; Str situs: colluvial-bedrock; Float: 10% diorite gabbro, 90% meta; siltstones greenschists (use than in 4384)metacherts

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4386-S	LCB3, E11, N16	140	0.9	1	16	84	Au -.1 As -10 Ni 360	Str wtdth: 1-3; AV str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-bedrock; Float: graywackes, siltstones and argillites outcrop weakly meta morphosed, also is basaltic(?) tuff-greenschists in float Type: grab; Float: yes; Hi graded: yes; Float description: 2 boulders(6" and less) of gossanous, highly fractured, foliated rock, originally perhaps 20% sulfide, disseminated and stringers, now all oxidized apart from a few grains of pyrite, rest of float and outcrop, greenstone, ore 3' dissemination boulder of some 100 yds up stream 3-4 6" gossanous veins(actually conformable with chlorite schist up on slopes - tr 0700/550NW
4387-R	LCB3, E11, N16	430	0.6	4	12	104	Au 0.1 As -10	Type: grab; Bedrock: yes; Bedrock description: 20'-30' wide band of quartz carbonaceous altered(?) rock conformable, chlorite schist sequence, intense shearing about zone
4388-R	LCB3, E11, N16	11	1.0	1	22	22	Au -.1 As -10 W -.005%	Type: chip; Rubcrop: yes; Float: quartz-CO3, altered mg equigranular granite mafics destroyed
4389-R	LCB3, E10, N16	10	0.1	3	12	24	Au -.1 As -10 W -.005%	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4390-R	LC33, E10, N16	6	0.6	-1	16	12	Au -.1 As 20 Ni 1200	Type: chip; Bedrock: yes; Rubcrop: yes; Bedrock description: chip over about 180' of slightly sheared serpentinite, soft yellow(green)alterates serpentine alteration mineral in east of zone, about less than 1/2% pyrrhotite harsh film asbestos central portion of zone Type: chip; Bedrock: yes; Bedrock description: tale altered, ultramafic, pole brown(foliated)weathered surface rare pods of fine grained chromite(?) up to 6" diameter, few quartz veins, rock not completely talc altered, or some quartz alteration also
4391-R	LC33, E10, N16	11	0.3	-1	14	4	Au -.1 As -10 Ni 480	Type: grab; Float: yes; Float description: pyritic(about 1% coarse grained blebs and aggregates)gabbro, float probably derived from 10' x 3' stained area 200' up slope, rest of gabbro devoid of sulfides through several (1 per 100' x 100') areas, similar to 4392, in zone within 200' of meta-andesite gabbro contact
4392-R	LC33, E11, N16	170	0.4	1	10	16	Au -.1 As -10 Ni 350	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: white-green-black; Soil situs: talus fines; Org: low; Froz: no; Float: 200' below gabbro, meta andesite volcanics and tuffs contact, float of both, spasmodic(about 1%) of floatas up to 2% pyrite, both dissemination and in blet rare traces of malachite stain in chlorite schists and gabbro
4393-D	LC33, E11, N16	190	0.6	1	12	56	Au -.1 As -10 Ni 110	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
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4394-R	LCB3, E11, N16	32,000	3.2	3	14	64	Au -.1 As 10	Type: grab; Bedrock: yes; HI graded: yes; Bedrock description: 6" discontinuous over at least 20" massive sulfide zone, massive (more than 50% of rock) pyrite and chalcopyrite - partially oxidized, patchy malachite staining of enclosing non-porphyrific chlorite schists, conformable foliation, other pyritic zones, other pyritic zones, vicinity, perhaps 1 per 200' of section
4395-R	LCB3, E11, N16	960	1.5	3	16	132	Au -.1 As 30	Type: grab; Bedrock: yes; Bedrock description: 50' x 5'-10' wide elliptical limonitic chlorite, slates, mainly transported limonite but poss? 5% of rock in boxwork limonite, less fissile rock surround zone though considerable very fissile rock just to north, Tr about 055°/60°NW traces of malachite on rocks surrounding limonitic area.
4396-S	LCB3, E11, N16	220	0.5	1	12	56	Au -.1 As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial-bedrock; Float: chloritic schists meta andesites and tuffs, in 20 yds stream section saw 3 of less than 6" pyritic (5-40%) boulders one with trace malachite staining (i.e. about 1/4-1/2% of float)

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4397-D	LCB3, E10, N15	91	0.5	1	14	80	Au -.1 As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown-green; Soil situs: colluvial; Org: low; Froz: no; Float: predominantly chlorite and quartz chlorite schists str 045%/90 (foln) 1/2% show limonite stain but only a trace of po and no cu oxides seen 1/2%, quartz veins, porphyritic, 1% of float is andesite, trace of limestone
4398-S	LCB3, E10, N15	89	0.6	2	17	86	Au -.1 As -10 Ni 180	Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial-bedrock; Bedrock description: quartz feldspathic schist, foln 020/80E, float predominantly quartz chlorite and chlorite schists and lesser biotite schist, less than 1/2% of schists and metaquartzite have up to 2% disseminated po and trace chalcopyrite, 1-2% of float is brown-green quartz, talc C08, altered rocks
4399-S	LCB3, E10, N15	85	0.9	2	14	73	Au -.1 As -10 Ni 340	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-bedrock; Float: chlorite schists and lesser mica schists, 2% chert, 2% limestone, 6% talc altered rock trace ultramafic, largely mica schist (meta felsite) in section between 4398 except is 80' gray impure lst just to east of 4398, which is bordered on its e side 5' meta chert, foln 0200/800E

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4400-R	LCB3, E10, N15	280	0.7	2	10	74	Au -.1 As -10 Ni 35	Type: grab; Float: yes; Hi graded: yes; Bedrock: 4399 stream bank of float boulder, chlorite(?) schist lined with 5% fine grained po in stringers and a trace of chalcopyrite, such float is rare eg 0.1% Type: chip; Bedrock: yes; Float: cherty limestone hard, partially cooked up, no ore dissemination visible, N42°W-43°N width 15'
4401-R	LCB3, E6, N12	33	0.8	1	14	48	Au -.1 As -10	Type: chip; Bedrock: yes; Float: cherty limestone hard, partially cooked up, no ore dissemination visible, N42°W-43°N width 15'
4402-R	LCB3, E6, N12	19	0.2	1	14	38	Au -.1 As -10	Type: chip; Bedrock: yes; Float: tactite(.) altered tactite(?) some limonite and hematite some grains of chert are visible, no ore dissemination visible
4403-R	LCB3, E6, N12	160	0.3	1	14	52	Au -.1 As -10	Type: chip; Bedrock: yes; Float: quartz monzonite, rock rich in quartz very fine grained in contact with cherty limestone looks like diorite, no ore dissemination visible, spare quartz veinlets Str width: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: tactite, altered granite(?) cherty limestone
<del>4404-S</del>	<del>LCB3, E6, N12</del>	<del>43</del>	<del>0.2</del>	<del>4</del>	<del>24</del>	<del>70</del>	<del>Au -.1 As -10</del>	<del>Type: chip; Bedrock: yes; Float: quartz monzonite, rock rich in quartz very fine grained in contact with cherty limestone looks like diorite, no ore dissemination visible, spare quartz veinlets Str width: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: tactite, altered granite(?) cherty limestone</del>
<del>4405-S</del>	<del>LCB3, E6, N12</del>	<del>38</del>	<del>0.5</del>	<del>2</del>	<del>48</del>	<del>114</del>	<del>Au -.1 As -10</del>	<del>Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: limestone, some silicified with calcite veinlets, tactite, granite, altered and weathered, tw volcanic with quartz veinlets</del>

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4406-R	LCB3, E6, N13	7	0.1	2	10	54	Au -.1 As -10	Type: chip; Rubcrop: yes; Float: argillite, very silicified, iron stained samples, limonite and hematite in vugs, no ore dissemination visible
4407-R	LCB3, E6, N12	9	1.8	2	30	16	Au -.1 As -10	Type: chip; Bedrock: yes; Float: tactite, very silicified and recrystallized, rock strongly cooked up, no ore dissemination visible
4408-R	LCB3, E5, N13	3	1.4	2	20	142	As -10	Type: chip; Bedrock: yes; Float: rhyolite, Hn rhyolite, coarse grained greenish colored no ore dissemination visible, no alteration either
4409-R	LCB3, E5, N13	51	2.0	4	260	230	As -10	Type: chip; Rubcrop: yes; F, oat: rhyolit, homblende rich rock, partially cooked up, some silicified, it has some chert, no ore dissemination visible
<del>4410-S</del>	<del>LCB3, E5, N13</del>	<del>35</del>	<del>0.9</del>	<del>3</del>	<del>26</del>	<del>53</del>	As -10	Bedrock: rhyolite; Float: rhyolite, quartz monzonite argillite tactite
4411-R	LCB3, E5, N13	5	0.9	3	26	78	Au -.1 Be 3 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: homfels(?) rhyolite rock cooked up, strongly silicified and partially recrystallized, some hornblende crystals are visible, no ore dissemination



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4412-S</del>	<del>LCB3, E5, N13</del>	<del>12</del>	<del>1.0</del>	<del>2</del>	<del>27</del>	<del>72</del>	<del>Au -.1 As -10</del>	<del>Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: bedrock; Bedrock description: hornfels(?); Float: rhyolite argillite</del>
4413-R	LCB3, E5, N13	17	1.0	2	25	81	Au -.1 As -10	Type: chip; Rubcrop: yes; Bedrock: rhyolite, Float: altered rhyolite, partially cooked up, iron stained sample, some days are forced in vugs or layers, limonite in vugs, no ore dissemination
4414-R	LCB3, E5, N13	8	0.9	3	32	87	As -10	Type: chip; Bedrock: yes; Bedrock description: rhyolite; Float: rhyolite, hornblende rich rock, some crystals are leached out, quartz is found in, some vugs are filled with limonite, some iron stained sample, no ore dissemination
<del>4415-S</del>	<del>LCB3, E5, N14</del>	<del>21</del>	<del>1.0</del>	<del>3</del>	<del>30</del>	<del>88</del>	<del>As -10</del>	<del>Str width: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: rhyolite; Float: rhyolite, cherty limonite trantite</del>
<del>4416-S</del>	<del>LCB3, E10, N13</del>	<del>94</del>	<del>1.6</del>	<del>2</del>	<del>33</del>	<del>122</del>	<del>As 20</del>	<del>Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial; Bedrock: marble; Float: quartz chlorite schist, 1% marble, some vein quartz 20% of rock iron stained</del>

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates		Cu	Ag	Mo	Pb	Zn	Other	Remarks
	Area	Coordinates							
4468-S	LCC3, E7, N8		19	0.7	1	22	76	As -10	Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-alluvial-bedrock; Float: rhyolite lapilli tuffs, tuff breccias, ash tuffs, volcanics, some with pyrite dissemination, andesite volcanics, diorite, fractured granite with biotite altered chlorite, coarse grained granodiorite, the granite outcrops MnO2 stain on fractures Depth: 3 inches; Size: sand-silt; Moist: dry; Color: white-brown; Soil situs: colluvial; Org: low; Froz: no; Float: flow, banded rhyolites, rhyolitic lapilli tuffs (less than 1 cm), ash tuff, less than 5 % andesite volcanics, fractured granite, mafics → chlorite
4469-D	LCC3, E7, N8		10	0.7	3	28	119	As -10	
4470-S	LCC3, E6, N8		14	0.5	5	50	155	As -10	Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-bedrock; Float: about 100 % pink medium grained equigranular granite, biotite altered to chlorite, some quartz veins, a little MnO2 stain
4471-S	LCC3, E6, N9		12	0.6	3	36	140	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-snd-silt; Org: low; Str situs: colluvial; Bedrock: predominantly rhyolite; Float: flow banded, ash tuffs, volcanics, not much lapilli tuff, also pink granite and feldspar porphyry andesite, a few boulders andesite, volcanic brecca

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4472-D	LCB3, E6, N9	18	0.6	1	74	182	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fines Org: low; Froz: no; Float: 80% rhyolitic flow rocks (some flow-banded) volcanic breccias, and lesser tufts, 20% fine grained chlorite altered basalt
4473-S	LCB3, E10, N15	74	0.8	2	23	125	Au -.1 As 30 Ni 150	Str width: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial; Float: 95% meta felites, dark gray schist, see H.S. 2% limestone, 1% chert, less than 1% untramafic
4474-R	LCB3, E11, N17	230	0.8	8	12	91	Au -.1 As -10 Ni 230	Type: grab; Float: Yes; Rubcrop: Yes; Hi graded: yes; Float: selected pieces of unoxidized float with about 3% fresh very fine grained porphyry pyrite and trace chalcopyrite, only a trace of malachite seen on oxidized pieces is from east side of limonite stained cherty outcrop, sample rock = chert (?) fine grained volcanic?, 100' of sheared representative has to east, then is quartzose sandstone and graywackes (lithic)
4475-R	LCB3, E11, N17	170	0.8	22	13	43	Au -.1 As 150 Ni 52	Type: grab; Bedrock: yes; Hi graded: yes; Float: 150' long and 50' wide zone of highly fractured cherts, 50% of these have strong limonitic stain (sample) higher fracturing in limonitic areas, quartz veins elsewhere no Cu oxides, most limonite exotic, though some indigenous

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4476-S	LCB3, E11, N17	23	0.7	1	16	26	As -10 Ni 100	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: col-luvial; Float: chlorite schist outcrop to east of sample site, in head of valley and to west is sheared serpentinites, trace porphyry in chlorite schist, as fine grained dissemination Depth: 3 inches; Size: silt; Moist: medium; Color: brown; Soil situs: alluvial; Org: high; Froz: no; Float: chlorite schists, well foliated
4477-D	LCB3, E11, N17	210	0.6	1	9	59	As -10 Ni 48	
4478-S	LCB3, E11, N17	56	0.4	1	7	42	As -10 Ni 37	Str wtdh: 1-3; Av str dpth: dry; In flood: yes; Size: sand-silt; Org: low; Str situs: alluvial; Float: ultramafics, partially serpentinized, eg pyroxenite and lesser gabbro
4479-S	LCB3, E11, N17	45	0.6	1	11	34	Au -.1 As -10 W 2 Sn -10 Ni 220	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: predominantly ultramafics as for 4478 but also 2% talc schist, 1% meta chert, and minor pink granite, also minor limestone, more gabbro other for 4478 Type: grab; Bedrock: yes; Float: fine grained dacite
4480-R	LCB4, E5, N10	140	1.2	1	185	152	Au -.1 As -10	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4481-R	LCB3, E9, N5	2800	1.4	22	20	48	Au -.1 As 140 W -.005% Sn -.005% Be 2	Type: chip; Bedroc: yes; Float: homfels(?) very recrystallized and silicified, int volc rock, oyrite dissemination, iron stain py 5% hematite and limonite in vugs, lying over basalt volcanics, probably 30' wide, it seems to be a mantle
4482-R	LCB3, E8, N5	900	1.3	17	17	34	Au -.1 As 40 W -.005% Sn -.005% Be 2	Type: chip; Bedrock: yes; Float: homfels(?) very fine grained rock, strongly silicified and recrystallized, pyrite disseminated in fractures and veinlets, iron stained sample hematite and limonite and jore sent, iron stained zone covers 1/3 of the hill (from middle to upper part) perhaps 80' long lying over basic rock
4483-S	LCB3, E8, N5	1200	1.2	70	38	62	As 30	Str wth: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: dacite; Float: dacite rhyolite, silicified, hornfels (iron stained) with pyrite disseminated diorite
4484-S	LCC2, E4, N9	38	0.5	1	20	57	As -10	Str wth: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: granodiorite and some chlorite schist
4485-S	LCC2, E4, N9	28	0.6	3	14	69	As -10	Str wth: -13; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: medium; Str situs: alluvial; Float: granodiorite

*Non-Current*

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4486-S	LCC2, E4, N9	23	0.6	4	44	77	As 20	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: medium-low; Str situs: alluvial; Float: 95% granodiorite, medium fine grained, 5% chlorite schist or andesite
4487-S-D	LCC2, E4, N8	39	0.6	4	30	67	As -10	Depth: 4 inches; Hor: B; Size: silt; Moist: dry; Color: brown; Soil situs: talus fines; Org low; Froz: no; Float: mainly granodiorite, but with some chlorite schist
4488-R	LCC2, E4, N8	860	13.3	1	380	2100	Au -.1 As 70	Type: grab; Float: yes; Hi graded: yes; Bedrock: sample of extremely manganese stained granodiorite with 5-1% chalcopyrite and 2-3% Mo, this rock only composee 1-2% of stream float, so it maybe a pegmatite or small dike
4489-S	LCC2, E4, N8	20	0.6	3	38	86	As 20	Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: mainly granodiorite, or monzonite, with some chlorite schist
4490-R	LCB4, E6, N8	9	0.3	1	8	28	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: outcrop of dacite with some plagioclase phenocrysts, mildly iron stained
4491-R	LCB4	28	0.8	1	14	103	Au -.1 As -10	Outcrop of porphyritic andesite with small 3' wide shear zone n720W. No alteration or mineralization evident. Sample is from across the 3' shear.

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4492-R	LCB4, E6, N8	<u>7</u>	<u>0.7</u>	<u>1</u>	<u>14</u>	<u>200</u>	Au -.1 As -10 W 0.005% Sn 0.005%	Type: chip; Bedrock: yes; Bedrock description: sample is of interbedded andesites and rhyolite, and are fine grained and rhyolite is brecciated
4493-R	LCB4, E6, N8	<u>8</u>	<u>0.3</u>	<u>1</u>	<u>26</u>	<u>133</u>	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Rubcrop: yes; Float: sample is of altered rhyolite with no evident mineralization but some iron staining
4494-R	LCB4, E6, N8	<u>9</u>	<u>0.3</u>	<u>2</u>	<u>16</u>	<u>94</u>	Au -.1 As 70 W 0.005% Sn 0.005%	Type: chip; Bedrock: yes; Float: sample is of iron stained altered rhyolite, thin andesite bed runs to west of it,
4495-R	LCB4, E6, N8	<u>57</u>	<u>0.8</u>	<u>1</u>	<u>14</u>	<u>76</u>	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sample of granodiorite which is equigranular medium grained and of diorite which may be due to resorption of roof pendant
4496-R	LCB4, E5, N8	<u>15</u>	<u>0.3</u>	<u>2</u>	<u>20</u>	<u>87</u>	Au -.1 As 60 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of selded tufts of rhyolitic composition that are iron stained
4497-R	LCB4, E5, N8	<u>26</u>	<u>1.1</u>	<u>2</u>	<u>14</u>	<u>81</u>	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sample of basalt, near contact of tufts

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4499-R	LCB4, E4, N8	26	1.1	2	14	81	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: sample of andesite(?) or basalt(?) which is porphyritic
4500-R	LCB4, E4, N8	8	0.4	5	12	12	Au -.1 As 10 W 0.005% Sn 0.005%	Type: chip; Bedrock: yes; Float: sample of iron stained rhyolite
4501-R	LCB3, E10, N13	13	0.3	-1	12	26	Au -.1 As 240 W -.005% Sn -.005% Sb -5	Type: chip; Bedrock: yes; Float: 25' of mangle weathered cherty limestone, sample contains across unit from 4212
<del>4502-S</del>	<del>LCB3, E9, N14</del>	<del>55</del>	<del>1.0</del>	<del>2</del>	<del>17</del>	<del>90</del>	<del>Au -.1 As 10</del>	<del>Str width: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: bedrock; Float: rocks are black "pencil" slates with two 30 x 100' lenses of limestone (marble) slates slightly pyritic and have several bull quartz veins as lenses 1 is 2' x 3'</del>
4503-R	LCB3, E9, N14	52	0.8	3	14	69	Au -.1 As -10	Type: grab; Float: talus of black pencil slates having minor bull quartz and trace pyri sampel taken to check for possible gold, not high graded



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4504-S	<del>LCB3, E9, N14</del>	<del>48</del>	<del>0.7</del>	<del>2</del>	<del>21</del>	<del>80</del>	<del>Au -.1 As 10</del>	<del>Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: bedrock; Float: black slates, with minor interbedded chert and bull quartz, slightly pyritic dissemination</del>
4505-S	<del>LCB3, E8, N14</del>	<del>63</del>	<del>0.8</del>	<del>2</del>	<del>19</del>	<del>86</del>	<del>Au -.1 As 20</del>	<del>Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial Float: black slates and schist with some interbedded lenses of chert, very local pyrite, some pieces 5% float</del>
4506-R	LCB3, E8, N14	51	0.3	5	7	47	Au -.1 As -10	Type: grab; Float: grab sample of detritus in stream as no fines, treat as rock, detritus 95% brown cherts, possible siderite and 5% andesite and chlorite schists
4507-R	LCB3, E8, N14	93	0.8	3	11	40	Au -.1 As 30	Type: chip; Bedrock: yes; Float: 25 limeal feet chip sample of brown cherts with some laminations on bedding, brown color from siderite, local lenses (frches) of granular fracture whit quartz
4508-S	<del>LCB3, E8, N14</del>	<del>75</del>	<del>1.0</del>	<del>3</del>	<del>18</del>	<del>115</del>	<del>Au -.1 As 50</del>	<del>Str wtdh: 6-10; Av str dpth: dry; In flood: no; Size: sand; Org: low; Str situs: alluvial; Floa- fines from talus of chlorite, schist, biotite, schist, andesite, some gabbro (?) black slate</del>
4509-S	<del>LCB3, E8, N14</del>	<del>63</del>	<del>0.7</del>	<del>2</del>	<del>23</del>	<del>88</del>	<del>Au -.1 As 20</del>	<del>Str wtdh: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: detritus of chlorite schists, mostly with some andesite, chert and pyritic black schist, minute irregular white quartz veins, common in schists</del>

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4510-S</del>	<del>LCB3, E8, N14</del>	<del>49</del>	<del>0.7</del>	<del>2</del>	<del>17</del>	<del>86</del>	<del>Au -.1 As 40</del>	<del>Str width: 6-10; Av str dpth: 0-1/2; In flood: Size: silt; Org: low; Str situs: alluvial; Float detritus of chlorite schists and gneiss, some gray chert and pods of marble(gray) some boulders of pyrite, fairly long draining 1/2 mile</del>
<del>4511-S</del>	<del>LCB3, E8, N14</del>	<del>61</del>	<del>0.8</del>	<del>2</del>	<del>22</del>	<del>98</del>	<del>Au -.1 As 10</del>	<del>Str width: 6-10; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: detritus, mostly chlorite schists and gneisses, some chert and pyritic schist small amount of marble and limy sandstone Type: chip; Bedrock: yes; Float: 25' lineal ch of weakly argillized and moderately pyritized rhyolite, pyrite dissemination, void is considerable richer than sample (area of hundred feet)</del>
4512-R	LCB3, E7, N14	12	0.4	13	21	52	Au -.1 As 30 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: 25' of argillized laminated rhyolite trace pyrite only
4513-R	LCB3, E7, N14	12	0.3	5	37	70	Au -.1 As 20	Type: chip; Bedrock: yes; Float: 25 lineal feet of iron and Mn stained rhyolite or fine grained granite
4514-R	LCB3, E9, N14	7	0.3	6	19	45	Au -.1 As -10	Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: hornblende quartz monzonite large talus blocks, trace of arsenopyrite
<del>4515-S</del>	<del>LCB3, E11, N4</del>	<del>28</del>	<del>1.2</del>	<del>12</del>	<del>106</del>	<del>220</del>		

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4516-S	LCB3, E11, N5	17	0.8	4	28	115		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: hornblende quartz monzonite talus, no alteration
4517-S	LCB3, E11, N5	21	1.3	5	400	880		Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: sand-silt-clay; Org: low; Str situs: al- luvial; Float: talus of 65% quartz monzonite a- 35% dacite, monzonite appears to have inci- sions of diorite(?)
4518-S	LCB3, E12, N6	19	1.0	4	33	190		Str wdth: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: low; Str situs: all- uvial; Float: quartz monzonite, detritus, no alteration, rain
4519-S	LCB3, E11, N5	16	0.6	4	20	125		Str wdth: 3-6; Av str dpth: dry; In flood: no; Size: sand-silt; Org: low; Str situs: alluvial; Float: quartz monzonite, no alteration
4520-S	LCB4, E5, N7	40	0.5	8	65	89	Au -.1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial; Float: rock mostly dacite and some granodioritic float
4521-R	LCB4, E5, N7	62	1.6	8	12	72	Au -.1	Type: grab; Float: rock sample of talus of granodiorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4522-R	LCB4, E5, N7	<u>110</u>	<u>1.4</u>	<u>8</u>	<u>10</u>	<u>129</u>	Au -.1 W -.005% Sn -.005%	Type: grab; Float: rock sample talus of sizeable area of pyrrhotite, quartz muscovite quartz muscovite schist, some arsenopyrite return if sample any good
4523-R	LCB4, E5, n7	<u>74</u>	<u>0.6</u>	<u>13</u>	<u>17</u>	<u>100</u>	Au -.1	Type: grab; Float: sample of marble size detritus of stream draining quartz-sericite schist brown hydrothermal(?) biotite pyrrhotite 1-3% trace chalcopyrite, return if sample any good
4524-R	LCB2,	<u>32</u>	<u>0.7</u>	<u>6</u>	<u>14</u>	<u>32</u>	Au -.1	Type: grab; Float: talus of rhyolite dike 75-100 feet wide draining strong iron stain (red-orange color) from pyrrhotite and pyrite cutting pyrrhotite biotite diorite, Mn is fractures in diorite adjacent to dike
4525-R	LCB2,	<u>45</u>	<u>0.8</u>	<u>4</u>	<u>14</u>	<u>111</u>	Au -.1	Type: grab; Rubcrop: yes; Float: dacite porphyry and diorite(?) mixed 1-2% pyrite and strong iron stain, quite a bit of quartz as chalcedony
4526-R	LCB2,	<u>51</u>	<u>0.8</u>	<u>2</u>	<u>10</u>	<u>61</u>	Au -.1	Type: grab; Float: talus of pyritized granodiorite and dacite porphyry, mixed, no good unless has gold iron stained area 3/4 mile long x 1/2 mile
4527-R	LCB2,	<u>65</u>	<u>0.6</u>	<u>1</u>	<u>21</u>	<u>88</u>	Au -.1	Type: grab; Float: talus of pyritized diorite and dacite porphyry, part of iron stain area 4525-4527

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4528-S</del>	<del>LCC2, E2, N10</del>	<del>390</del>	<del>1.2</del>	<del>9</del>	<del>14</del>	<del>24</del>	<del>Au -.1</del>	<del>Str wth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: talus of chloritic siltstones and andesites cut by sparce and irregular bull quartz veins 1/2-1" wide, some disseminate pyrite in siltstone Type: grab; Bedrock: yes; Float: sample(representative)of bed of brown(orange)chert, containing disseminated pyrite, bed is 250' wide dipping 75°E, trending N20°E</del>
<del>4529-R</del>	<del>LCC2, E2, N10</del>	<del>52</del>	<del>0.7</del>	<del>3</del>	<del>10</del>	<del>46</del>	<del>Au -.1</del>	<del>Str wth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: talus of dense gray cherts, graywackes, ver silicified and well indurated</del>
<del>4530-S</del>	<del>LCC2, E2, N10</del>	<del>140</del>	<del>0.8</del>	<del>1</del>	<del>18</del>	<del>70</del>	<del>Au -.1</del>	<del>Type: grab; Bedrock: yes; Float: altered dacite(?), bleached, argillitized in part, in stained, highly fractured, in altered zone 4' along ravine, 100 feet across, 10 feet chip sample</del>
<del>4531-R</del>	<del>LCC2, E2, N11</del>	<del>10</del>	<del>0.8</del>	<del>2</del>	<del>22</del>	<del>76</del>	<del>Au -.1</del>	<del>Type: chip; Bedrock: yes; Float: altered dacite(?), bleached, argillitized in part, in stained, highly fractured, in altered zone 4' along ravine, 100 feet across, 10 feet chip sample</del>
4532-R	LCB4, E4, N7	22	0.7	4	12	34	Au -.1	

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4533-R	LCB4, E4, N7	<u>37</u>	<u>1.2</u>	<u>8</u>	<u>26</u>	<u>68</u>	Au -.1	Type: grab; Float: yes; Float description: porphyritic dacite (sample) 30% banded siltstone most rock iron stained, with disseminated pyrite
4534-R	LCB4, E3, N7	<u>20</u>	<u>0.8</u>	<u>3</u>	<u>23</u>	<u>89</u>	Au -.1	Type: grab; Float: yes; Float description: porphyritic dacite (?) (sample) and dacite breccia banded siltstones (?) most rock iron stained, some with disseminated pyrite visible
4535-R	LCB4, E3, N7	<u>31</u>	<u>1.0</u>	<u>10</u>	<u>17</u>	<u>66</u>	Au -.1	Type: grab; Float: yes; Float description: porphyritic dacite (?) (sample) and dacite breccia 20% banded siltstone, 10% of rock highly iron stained
4536-R	LCB4, E5, N7	<u>180</u>	<u>3.0</u>	<u>27</u>	<u>10</u>	<u>500</u>	Au -.1	Type: grab; Bedrock: yes; Bedrock description: quartz mica schist with disseminated pyrrhotite, iron stained, float same as above plus 50% dacite porphyry, some with disseminated pyrrhotite
<del>4537-S</del>	<del>LCB4, E5, N7</del>	<del>60</del>	<del>1.6</del>	<del>5</del>	<del>23</del>	<del>260</del>	As 30	str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial-bedrock; Bedrock description: quartz mica schist with disseminated pyrrhotite, iron stained, float same as above. 50% dacite porphyry

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4538-S	LCC3, E4, N9	34	0.6	1	30	180	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: dacite, tuff breccia; Float: rhyolitic to dacitic porphyries, tuffs, and breccias, small amount of basalt, some iron stain
4539-S	LCC3, E4, N9	15	0.6	1	42	96	As -10	Av str dpth: dry; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: rhyolitic to dacitic porphyrites, tuffs, and tuff breccia, some iron stain
4540-R	LCC3, E4, N9	16	0.6	3	51	125	Au -.1 W -.005% Sn -.005% spectro	Type: chip; Bedrock: yes; Bedrock description: rhyolite, iron and Mn stained, 10 foot chip
4541-R	LCC3, E4, N9	11	0.5	3	21	33	Au -.1 W -.005% Sn -.005% spectro	Type: grab; Float: yes; Bedrock: maroon brown; fine grained latite(?); float description: 50% bleached and iron stained, 50% latite(?)
4542-S	LCB3, E6, N16	9	0.9	3	32	104	As -10	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: white to buff tuff with iron stained discolored and silicified areas; Float: above and exotic moraine-derived float

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4543-S	LCB3, E6, N16	10	0.8	2	30	85	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial Bedrock: none observed; Float: tuff and agglomerate
4544-R	LCB3, E6, N16	21	1.3	3	15	96	Au -1.1 As -10	Type: grab; float: yes; Bedrock: tuff; Sample heavily mn stained, brecciated quartz vein; Float description: common in drainage but less than 1% of float
4545-S	LCB3, E6, N15	15	0.8	1	26	88	As -10	Str wtdh: 6-10; Av str pdth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: buff tuff with common lithic fragments; Float: above 60%, 40% exotic glacial float
4546-S	LCB3, E6, N15	12	0.6	3	39	94	As -10	Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: interbedded andesite, and tuff, both are on the order of 10s of feet thick; Float: tuff 70%, 10% exotic morizne derived float, and 20% andesite, Strike of beds northerly dip is/steep
4547-S	LCB3, E6, N15	12	0.6	3	40	100	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Bedrock: none observed; Float: tuff and exor moraine float



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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4549-R	LCB3, E8, N16	10	0.8	4	18	23	Au -.1 As 90	Type: grab; Float: yes; Bedrock: rhyolite and dacite; Float description: same, sample iron stained rhyolite float about 6% pyrite
<del>4550-D</del>	<del>LCB3, E8, N16</del>	<del>26</del>	<del>1.4</del>	<del>7</del>	<del>38</del>	<del>64</del>	<del>As 30</del>	<del>Depth: 0 inches; Hor: A; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Bedrock: dacite porphyry and rhyolite; Float: asame</del>
<del>4551-B</del>	<del>LCB3, E8, N16</del>	<del>26</del>	<del>1.4</del>	<del>6</del>	<del>36</del>	<del>81</del>	<del>As 30</del>	<del>Str wtdh: 10-15; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: dacite porphyry, above 70%, rhyolite 10%, tuff and other volcanics 20%</del>
<del>4552-D</del>	<del>LCB3, E8, N16</del>	<del>30</del>	<del>0.9</del>	<del>8</del>	<del>21</del>	<del>69</del>	<del>As -10</del>	<del>Depth: 0 inches;; Hor: A; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Bedrock: light colored dacite; Float: above</del>

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4553-R	LCB3, E8, N17	19	0.7	8	17	59	As -10	Type: grab; Sample: 6-8' of iron stained fault breccia separating leucocratic dacite from green agglomerate, no sulfides observed
<del>4554-D</del>	<del>LCB3, E8, N16</del>	<del>26</del>	<del>0.8</del>	<del>4</del>	<del>23</del>	<del>57</del>	<del>As -10</del>	<del>Depth: 0 onches; Hor: A; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Float: gray green agglomerate above and dacite and rhyolite</del>
<del>4555-D</del>	<del>LCB3, E8, N16</del>	<del>16</del>	<del>1.2</del>	<del>6</del>	<del>25</del>	<del>76</del>	<del>As -10</del>	<del>Depth: 0 inches; Hor: A; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Bedrock: none observed; Float: iron stained fault breccia tuff dark dacite</del>
<del>4556-S</del>	<del>LCB3, E8, N16</del>	<del>29</del>	<del>1.2</del>	<del>9</del>	<del>35</del>	<del>102</del>	<del>As -10</del>	<del>Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: leucocratic dacite agglomerate-tuff</del>
<del>4557-D</del>	<del>LCB3, E10, N16</del>	<del>37</del>	<del>0.7</del>	<del>6</del>	<del>20</del>	<del>80</del>	<del>As -10</del>	<del>Depth: 0 inches; Hor: A; Size: silt; Moist: medium; Color: brown; Soil situs: colluvial; Org: low; Froz: no; Bedrock: gray recrystallized limestone; Float: altered (serpentinized) pyroxenite, 30%, 70% limestone</del>

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4558-S	LCB3, E10, N16	40	0.6	2	15	66	As 10	Str wth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: altered granitic; Float: above 80%, limestone 2%, altered ultrabasic 18%
4559-S	LCB3, E10, N16	66	1.0	4	99	162	As 40	Str wth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: altered granite, above 60% marble 1%, altered ultrabasic 5%, dark volcanics (dominantly andesite) 35%
4560-S	LCB3, E10, N16	24	0.7	2	65	110	As -10	Str wth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: contact between altered granite and tuffs and volcanics, contact is irregular with little alteration or iron staining; Float: altered granite, tuff and fine grained basalt
4561-S	LCB3, E9, N16	21	0.7	4	28	76	As 410	Str wth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: altered basic-intermediate volcanics; Float: 75% above, 10% tuff 15% agglomerate
4562-S	LCB3, E9, N16	29	0.9	8	56	120	As 170	Str wth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: iron stained tuff

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4563-S</del>	<del>LCB3, E9, N16</del>	<del>28</del>	<del>0.9</del>	<del>9</del>	<del>70</del>	<del>142</del>	<del>As 270</del>	<del>Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock; Bedrock description: columnar jointed dacite above 80%, tuff 20%</del>
<del>4564-R</del>	<del>LCB2, E8, N9</del>	<del>26</del>	<del>0.5</del>	<del>3</del>	<del>23</del>	<del>30</del>	<del>As -10</del>	<del>Type: chip; Bedrock: yes; Bedrock description: granite; Float: granite, fine grained rock iron stained sample, no visible any ore dissemination, neither hydrothermal alteration.</del>
4565-R	LCB3, E7, N11	21	0.7	1	8	16	Au -.1 As 50 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: sample of a phyllite or schist, which has relict quartz grains and pebbles in it, fairly fractured rock but foliation appears to be parallel to upper beds N20° e
4566-R	LCB3, E8, N11	50	1.2	2	17	55	Au -.1 As 20 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of schist or phyllite with foliation, N10°E and vertical, some of schist appears to have originated from slate
4567-R	LCB3, E8, N11	10	2.3	4	33	73	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of limestone unit 10-15' thick in schist, N50W and vertical unit is made up of thin laminar beds and has a 1' andesite(?) dike running parallel to beds in middle of unit, it apparently came in as a dike

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4568-R	LCB3, E8, N11	83	2.0	2	24	68	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sample of andesite with .5% disseminated pyrite inter-bedded in schist
4569-R	LCB3, E8, N11	60	1.5	2	19	47	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Float: sample of li-my sediments, iron, stained
4570-R	LCB3, E7, N10	50	0.5	4	5	5	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample from light colored rock with mica platy orientation fabric, perhaps a meta rhyolite
<del>4571-S</del>	<del>LCB3, E5, N3</del>	<del>19</del>	<del>1.2</del>	<del>1</del>	<del>43</del>	<del>70</del>	As -10	Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium-low; Str situs: alluvial; Float: outcrop of porphyritic dacite on west side of stream, float, rhyolite and some andesite
<del>4572-S</del>	<del>LCB3, E5, N3</del>	<del>16</del>	<del>1.0</del>	<del>1</del>	<del>30</del>	<del>92</del>	As 10	Str width: 6-10; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium-low; Str situs: alluvial; Float: tuffs and welded tuffs, dacite rhyolite, small outcrops of dacite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4573-S	LCC3, E5, N3	19	1.0	1	33	71	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: dacite porphyritic and rhyolite
4574-S	LCC3, E5, N3	18	1.2	1	25	59	As -10	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: medium-low; Str situs: alluvial; Float: dacite and tuffs with some monzonite
4575-R	LCC3, E5, N2	15	0.8	6	26	36	Au -1.1 As 10	Type: chip; Bedrock: yes; Float: sampel, is iron stained, dacite from across 2' shear zone N85°E, vertical, some pyrite in pieces from float, zone of gouge is 4"-8" wide with iron stained rock 8" wide on either side
4576-S	LCC3, E5, N2	17	1.2	2	30	69	As -10	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand-silt; Org: medium; Str situs: alluvial; Float: dacite and monzonite
4577-S	LCB3, E13, N5	13	0.6	1	11	48	As -10	Str wdth: 3-6; Av str dpth: 1/2-1; In flood: no; size: sand-silt; Org: low; Str situs: colluvial; Float: on monzonite talus
4578-S	LCB3, E12, N5	14	0.9	2	13	46	As -10	Str wdth: 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: alluvial; Float: mainly monzonite talus

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4579-S	LCB3, E12, N5	12	0.6	2	11	45	As -10	Str wth: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on monzonite talus
4580-S	LCB3, E12, N5	14	0.7	1	12	50	As -10	Str wth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: silt; Str situs: colluvial; Float: on monzonite talus
4581-S	LCB3 E12, N6	12	0.6	2	10	45	As -10	Str wth: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on monzonite talus, vegetation cover
4582-S	LCB3, E12, N6	15	0.6	2	12	44	As -10	Str wth: 3-6; Av str dpth: 1-2; In flood: no; Size: silt; Str situs: colluvial; Float: on monzonite talus
4583-S	LCB3, E12, N6	18	0.4	1	10	42	As -10	Str wth: < 1; Av str dpth: dry; In flood: no; Size: sand-silt; Str situs: colluvial; Float: on vegetation covered valley floor

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4584-R	LCB3, E6, N12	120	1.5	2	13	67	Au -.1 As -10	Type: chip; Bedrock: yes; Float: dacite, in considerable areas vuggy=others sheared ab 50% of cavities have white quartz fillings on shears rest hematite
4585-R	LCB3, E6, N12	29	1.3	4	11	11	Au -.1 As -10	Type: chip; Bedrock: yes; Float: yes; Hi graded: yes; Float description: white irregular quartz fillings, up to 6" Ø in sheared dacite iron stained
4586-R	LCB3, E6, N12	100	1.6	2	31	105	Au -.1 As -10	Type: chip; Bedrock: yes; Float: light green dacite sheared with thin quartz stringers along shears
4587-R	LCB4, E3, N8	28	0.2	3	7	68	Au -.1 As -10 Hg 180	Type: grab; Bedrock: yes; Bedrock description: light green porphyritic dacite; Float: same, sample of small irregular silicified area about 30' in diameter which contained about 1/2% sulfides in which gives a small iron stained area above talus, more silicification maybe covered by talus
4588-R	LCB4, E3, N9	45	0.6	4	39	45	Au -.1 As 30 Hg 100	Type: grab; Rubcrop: yes; Bedrock description: greenish dacite, sample 8' wide zone of silicified dacite with light to moderate iron staining, perhaps continuous with 4587



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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4589-R	LCB4, E2, N9	7700	33.8	5	27	750	Au -.1 As -10 Hg 80	Type: grab; Float: yes; Float description: talus collection from fan below iron stained area large (6"x8") fragments of silicified with chloritic alteration and contains about 3% pyrite, remaining 2/3 of sample iron stained silicified dacite
4590-R	LCB4, E2, N9	440	5.4	2	1550	1050	Au -.1 As 620 Hg 140	Type: grab; Float: yes; Hi graded: bedrock: light gray rhyodacite; Float description: above, sample of oxidized brecciated iron stained float from suspected extension of same zone sampled in 4589, no sulfides observed
<del>4591-S</del>	<del>LCB4, E13, N9</del>	<del>21</del>	<del>0.5</del>	<del>2</del>	<del>32</del>	<del>110</del>	<del>As -10 Hg -20</del>	<del>Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: bedrock; Bedrock description: gray-green agglomerate above tuff, graywacke, basalt porphyry and welded tuff</del>
<del>4592-S</del>	<del>LCB4, E13, N10</del>	<del>14</del>	<del>0.1</del>	<del>1</del>	<del>15</del>	<del>77</del>	<del>As -10 Hg -20</del>	<del>Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: alluvial. Float: tuff and agglomerate, sample from suspected fault controlled drainage</del>
<del>4593-S</del>	<del>LCB4, E13, N11</del>	<del>14</del>	<del>0.3</del>	<del>1</del>	<del>13</del>	<del>56</del>	<del>As -10 Hg -20</del>	

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4594-R	LCC3, E12, N2	49	2.3	6	130	230	Au -.1 As 30	Type: grab; Rubcrop: yes; Float: red iron an manganese stained jasperoid at limestone (dad te?) contact on ridge crest, jasperoid porpous and does not appear to have contain sulfides, limestone is thin bedded and at least 4 beds to 30' thick are visible Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: bedrock; dark gray dacite and fault breccia, dacite with recrystallized limestone, fault zone 20' wide with dark gray gouge forms most o sediment sample
4595-S	LCC3, E12, N2	51	0.5	1	15	450	Au -.1 As 150	Type: grab; Float: yes; Float description: th (3-15') interbeds of argillite chert marble with some green schist, sample, highly Mn stained chirt, H.S. taken
4596-R	LCC3, E12, N1	49	1.6	2	68	32	Au -.1 As 490	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Org: low; Str situs: bedrock Bedrock description: calcite veined green-stone to west and interbedded marble argillites and volcanics to east, sample taken below large drag fold with remobilized marble which contains no apparent mineralization
4597-S	LCC3, E12, N1	103	1.0	1	15	560	As 120 Hg 60	

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4598-R	LCC3, E13, N2	17	1.1	5	73	18	Au -.1 Pt -0.01	Type: grab; Bedrock: yes; Bedrock description: partly serpentinized pyroxenite, sample of dark gray brown streaking nonmagnetic mineral (chromite?) associated with quartz vein, vein fragments adhere to some sample
4599-R	LCC3, E12, N2	1500	1.0	1	17	66	Au -.1 Pt 0.01 Co 31 Ni 49	Type: grab; Float: yes; Bedrock: serpentinite with malachite staining on cleavage surface
4600-R	LCC3, E12, N2	100	1.1	1	23	49	Pt 0.01 Hg -20 Co 35 Ni 35	Type: chip; Bedrock: yes; Bedrock description: serpentinite sampled across 6' unidentifiable red mineral on fractures same location as (4599)
4601-S	LCC3, E4, N9	21	0.9	1	40	150	As -10	Str width: < 1; Av str depth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: medium; Str situs: alluvial-bedrock; Bedrock description: maroon-brown fine grained latite (?) float 50% rhyolite and rhyo tuff, 50% latite
4602-R	LCC3, E4, N9	15	0.5	2	22	133	Au -.1	Str width: < 1; Av str depth: 0-1/2; In flood: no; Size: gravel; Org: low; Str situs: alluvial-bedrock; Bedrock description: maroon-brown fine grained latite (?) float 75% latite, 30% ir-stained, 25% porphyry hryolite and rhyo breccia, less than 1% basalt, coarse stream alluvium

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4603-S</del>	<del>LCB3, E12, N8</del>	<del>92</del>	<del>1.1</del>	<del>2</del>	<del>15</del>	<del>80</del>	As 30	Av str dpth: dry; Size: gravel-sand-silt; Str situs: alluvial; Float: 75% black siltstone and shale, iron stained cut by quartz veins, 25% biotite quartz diorite with xenoliths of fine grained diorite
4604-R	LCB3, E12, N8	140	1.2	5	18	98	Au -.1	Type: grab; Float: yes; Float description: 90% siltstone and black shale, iron stained with disseminated and rich veinlets of pyrrhotite some quartz vein, 10% hornblende diorite and dacite
4605-R	LCB3, E12, N8	65	1.0	1	27	98	Au -.1	Type: grab; Float: yes; Float description: 75% quartz biotite schist, iron stained with disseminated pyrrhotite 25% biotite quartz diorite, sample of schist taken below contact ravine
<del>4606-R</del>	<del>LCB3, E12, N8</del>	<del>No DATA</del>						
4607-R	LCB3, E12, N8	19	0.6	2	75	96		Type: grab; Float: yes; Float description: 50% iron stained siltstone, 40% porphyritic dacite some white vein quartz 1% sample iron stained siltstone

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4608-R	LCC3, E4, N9	28	0.7	1	56	130		Av str dpth: dry; Size: gravel; Org: low; Str situs: alluvial-bedrock; Bedrock description: maroon-brown latite(?) iron stained (hematite on fractures) float, latite and rhyolite to dacitic porphyries and tuff brecca, coarse stream alluvial
4611-S	LCB3, E8, N4	360	1.1	5	24	92	As 10	Str wtdh: 6-10; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Float: diorite, and to basic volcanics (silicified hornfels (iron stained & pyritic))
4612-R	LCB3, E8, N5	28	0.6	2	13	69	As -10	Type: chip; Bedrock: yes; Float: dacite porphyry, basic rock, rock with some quartz and chlorite crystals, slightly chloritized, no ore dissemination visible
4613-S	LCB3, E8, N5	33	0.5	1	20	65	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: silt; Str situs: alluvial; Float: intermediate to basic rock, mostly porphyritic ore dissemination
4614-S	LCB3, E8, N5	39	0.4	1	15	86	As -10	Str wtdh: 1-3; Av str dpth: dry; In flood: no; Size: sand; Str situs: alluvial-bedrock; Float: dacite porphyry, sample was taken from a hole on the bedrock, float material intermediate to basic volcanics, mostly porphyrics, no ore dissemination on the rocks
4615-S	LCB3, E8, N5	40	0.6	1	52	310	As -10	Str wtdh: 1-3; Av str dpth: dry; Size: sand; Str situs: bedrock; Bedrock-Float: dacite porphyry, sample was taken from fracture and openings
4616-S	LCB3, E7, N5	38	0.4	1	17	63	As 10	Str wtdh: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: dacite porphyry; Float: dacite porphyry, rhyodacite porphyry exotic quartz diorite, rich in biotite

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4617-S</del>	LCB3, E7, N5	<del>35</del>	<del>0.6</del>	<del>1</del>	<del>17</del>	<del>52</del>	As 20	Str wtdh: 1-3; Av str dpth: dry; In Flood: no; Size: sand; Str situs: alluvial; Float: moraine(?) quartz diorite, quartz monzonite 40%, granite, intermediate to basic volcanics 60%
4618-R	LCB3, <i>N. Current</i> E2, N51	12	0.2	2	12	28	As -1.1 As -10 W -.005% Sn -.005% Be 4	Type: chip; Float: yes; Bedrock: hornfelsic volcanics, there a large amount of granite boulders, hn volcanics, iron stainedm pyrite disseminated(3%) some argillite(iron stained; limonite and hematite in vugs, rubcrop 150' long, 60' wide, there are some recrystallized rhyolite(?)
<del>4619-S</del>	<del>LCB3, E2, N5</del>	<del>40</del>	<del>0.5</del>	<del>1</del>	<del>26</del>	<del>75</del>	As -10	Str wtdh: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Float: granite, quartz diorite, intermediate to basic volcanics, some fragments iron stained with a very fine pyrite dissemination
4620-R	LCB3, E7, N6	13	0.4	3	24	52	Au -.1 As 10 W -.005% Sn -.005% Be 4	Float: hornfels, recrystallized(very) and silicified rock, completely cooked up, pyrite disseminated 5% iron stained sample outcrop very shattered and fractured
4621-R	LCB3, <i>N. Current</i> E7, N5	14	0.2	3	17	35	Au -.1 As -10	Type: chip; Float: yes; Float description: porphyry rhyolite, recrystallized and silici- fied rock, iron stained, hornblende crystals au bleached, chlorite crystals in (?) limonite hematite in a little amount, very fi- pyrite dissemination (see 4618)
4622-R	LCB3, E7, N6	32	0.2	3	11	38	Au -.1 As -10	Type: chip; Bedrock: yes; Float: rhyolite recrystallized rhyolite, some silicified rock and some hornblende present, showing a finely disseminated no hydrothermal altera- tion

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4623-R	LCB3, E7, N6	11	0.6	3	14	39	Au -.1 As -10 W -.0025% Sn -.0025% Be 3	Str wtdh: 3-6; Av str dpth: dry; Size: silt; Str situs: alluvial; Bedrock: recrystallized rhyolite; Float: rock chips, sample was taken from rocks in the stream, granite 10% rhyolite 80% basic volcanics 10%
4624-R	LCB3, E6, N6	14	0.6	12	14	25	Au -.1 As -10 W -.005% Sn -.005% Be 2	Type: chip; Bedrock: yes; Float: homfelsic rhyolite, very recrystallized and silicified rock, iron stained, shattered outcrops, showing pyrit dissemination 5%
<del>4625-S</del>	<del>LCB3, E7, N6</del>	<del>20</del>	<del>1.0</del>	<del>9</del>	<del>74</del>	<del>950</del>	As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood" yes; Size: sand; Str situs: alluvial; Float: rhyolite, and homblende rhyolite, slightly iron stained, minor pyrite dissemination,
4626-R	LCB4, E4, N9	14	.1	1	23	52	Au -.1 As -10	Type: grab; Rubcrop: yes; Bedrock: rhyolite tuff breccia with very weak limonite staining, stain restricted to 200 ridge section, rhyolite tuff breccias are most common rock type
<del>4627-D</del>	<del>LCB4, E4, N9</del>	<del>41</del>	<del>0.9</del>	<del>1</del>	<del>44</del>	<del>72</del>	As -10	Depth: 3 inches; Size: silt-clay; Moist: medium; Color: brown; Soil situs: alluvial; Org: medium; Froz: no; Float: rhyodacite, porphyry, volcanics
<del>4628-D</del>	<del>LCB4, E4, N9</del>	<del>22</del>	<del>0.5</del>	<del>1</del>	<del>17</del>	<del>42</del>	As -10	Depth: 3 inches; Size: silt-clay; Moist: medium; Color: brown; Soil situs: alluvial; Org: medium; Froz: no; Float: as for 4627

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4628-D	LCB4, E4, N9	22	0.5	1	17	42	As -10	Depth: 3 inches; Size: silt-clay; Moist: medium; Color: brown; Soil situs: alluvial; Org: medium; Froz: no; Float: as for 4627
4629-S	LCB4, E4, N9	41	1.0	3	41	120	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial; Float: as for 4627
4630-D	LCB4, E4, N9	36	1.0	2	33	113	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fine Org: low; Froz: no; Float: similar to 4627 some rhyolite and rhyodacitic tuffs in vicinity
4631-D	LCB4, E4, N9	28	0.4	2	32	290	As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fine Org: low; Froz: no; Float: weakly limonite stained rhyolite
4632-D	LCC3, E10, N2	14	0.7	26	46	115	Au -.1 As -10	Depth: 3 inches; Size: sand-silt; Moist: medium; Color: white-brown; Soil situs: colluvial; Org: low; Froz: no; Float: sample of colluvial material spilling down fault gut, fault trends 060°/- and separate intensely fractured rhyolite to the NW (4633) from chlorite fine grained tuff



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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4633-R	LCC3, E10, N2	130	1.0	10	360	460	Au -.1 As -10	Type: grab; Bedrock: yes; Bedrock description: sample of fractured rhyolite at 4632 sample site, intensely fractured (more than 20 per foot) and weakly stained with limonite MnO2 Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fine Org: low; Froz: no; Float: very mixed float, chloritic tuffaceous sediments, rhyllite tuffs, gabbro, diorite, quartz monzonite, banded chert etc !! Type: grab; Bedrock: yes; Hi graded: yes; Bedrock description: mineralized shear zone (6"-3' wide) trending 020°/about 090° in lithic lapilli tuff of intermediate composition about 1/2% pyrite (cin cubes) on fractures in shear zone Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown-green; Soil situs: talus fines; Org: low; Froz: no; Bedrock: highly fractured rhyolite intensely fractured areas about shears show moderate jarositic staining, acid intermediate tuff breccas and lapilli tuffs also outcrop widespread chlorite and local hematite alteration, could probably correlate these rocks with those seen on necos?R (ie NE of Two Lakes) and to the S of the east end of Twin Lakes
4634-D	LCC3, E10, N2	<del>15</del>	<del>0.6</del>	<del>2</del>	<del>25</del>	<del>90</del>	Au -.1 As -10	
4635-R	LCC3, E10, N2	12	0.9	25	16	105	Au -.1 As 50 Hg 70	
4636-D	LCC3, E10, N2	<del>14</del>	<del>0.6</del>	<del>7</del>	<del>42</del>	<del>120</del>	Au -.1 As -10 Hg 20	

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4647-R	LCC3, E5, N2	15	0.9	6	14	96	Au -.1 As 10	Type: chip; Bedrock: yes; Bedrock description: sample of dacite(?) mildly iron stained southern border abuts gabbro
4648-R	LCC3, E, N2	9	0.7	15	18	85	Au -.1 As -10 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of iron and Mn stained tuffs, overlain by rhyolite breccia
4649-R	LCC3, E6, N2	8	0.4	1	10	4	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample of iron stained altered rhyolite in float
4650-R	LCC3, E6, N2	12	0.7	11	32	" 30	Au -.1 As 10 W -.002% Sn -.002%	Type: chip; Bedrock: yes; Bedrock description: sample of iron stained rhyolite(?) breccia on hillside
4661-S	LCC3, E12, N2	<del>140</del>	<del>1.8</del>	<del>1</del>	<del>10</del>	<del>86</del>	As -10 W 2	Str width: 3-6; Av str dpth: dry; In flood: no; Size: clay; Org: low; Str situs: alluvial; Bedrock: surpentine, marble graphitic schist float, same
4662-R	LCC3, E12, N2	2100	0.7	5	31	34	As -10 Ni 78	Type: grab; Float: yes; Hi graded: yes; Sample: malachite stained marble float, showing marble surpentine contact

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4671-R	LCC3, E6, N3	26	0.7	11	39	44	Au -.1 As 30 W -.005% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: Sample is same as last, except 50' further east and in stream gully; Type: chip; Bedrock yes;
4672-R	LCC3, E6, N3	9	1.0	4	17	10	Au -.1 As -10 W -.002% Sn -.005%	Type: chip; Bedrock: yes; Bedrock description: sample of iron stained rhyolite(?)
4673-R	LCC3, E6, N3	19	0.8	9	20	3	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample of rhyolite(?) with yellow staining on it, somewhat to east and lower than last sample spot
4674-R	LCC3, E6, N3	17	0.5	3	20	24	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample is of dacite with specular hematite which is in contact with rhyolite of sam 4673 the outcrop is up to the ridge, size of outcrop is perhaps 100' x 30'
4675-R	LCC3, E6, N3	7	0.5	2	13	4	Au -.1 As -10 W -.0025% Sn -.0025%	Type: grab; Bedrock: yes; Bedrock description: sample of red colored tuffs

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4676-R	LCC2, E5, N12	1100	2.1	2	55	73	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Bedrock: sample from moraine, iron stained meta volcanics(?) compose about 20-25% of float, while non iron stained volcanic compose the rest, with some granodiorite float, which is coming from granodiorite underlying volcanics, no mineralization evident in sample
4677-R	LCC2, E5, N12	800	1.4	1	26	39	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Bedrock: sample same as 4676 except it includes visible mineralization from same iron stained rocks, mineralization is apparently related to quartz veins which run through rock, chalcopyrite pyrite, and a black powdery mineral make up mineralization; HI graded: yes
4678-R	LCC2, E5, N12	17	0.7	1	47	51	Au -.1 As -10	Type: grab; Float: yes; Float description: sample of medium grained equigranular granodiorite which is coming from cliff, it is overlain by greenschist of meta volcanics
4679-R	LCC2, E5, N12	13	3.3	3	102	18	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Bedrock: sample of laminar and thick bedded limestones, plus a piece of tuff(?)
4680-R	LCC2, E5, N12	22	3.3	3	96	24	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Bedrock: sample of lime stone with interbedded volcanics(?) which are iron stained, perhaps some tuff also, sample is in talus which is derived from layered sediments and volcanics(?) above

*What should we do?  
15. Do?  
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PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4681-R	LCC2, E5, N12	160	1.5	4	57	130	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Bedrock: sample of iron stained schist or meta volcanics with pyrite and pyrrhotite, coming from iron stained bed which is interbedded with limestones(?)
4682-R	LCC2, E5, N12	10	3.5	4	48	22	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample of limestones massive and laminar perhaps a piece of schist in sample, also
4683-S	LCC2, E7, N9	<del>18</del>	<del>0.7</del>	<del>1</del>	<del>26</del>	<del>52</del>	As -10	Str wtdh: <1; Av str dpth: 0-1/2; In flood: yes Size: sand; Str situs: alluvial; Float: granite sample was taken on snow field
4684-R	LCC2, E7, N9	22	0.7	3	47	280	Au -.1 As -10	Type: chip; Bedrock: yes; Float: skarn(?) limestone partially cooked up some fragments show later structure, silicified and recrystallized rock, some Mn stain in fractures, no ore dissemination visible
4685-R	LCC2, E7, N9	90	1.5	2	39	70	As -10	Type: chip; Bedrock: yes; Float: basic volcanic andesite(?) dacite(?) strongly silicified some veinlets of chlorite (?) fine grained, greenish colored, no ore dissemination visible

## PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4686-R	LCC2, E7, N8	3000	4.4	1	61	34	As -10	Type: grab; Float: yes; Float description: andesite(?) basic volcanic rock, iron staining showing chalcocopyrite and pyrite dissemination and malachite, sample was found over material
4687-S	LCC2, E6, N8	8	0.4	-1	14	16	As -10	Str width: 1-3; Av str dpth: 0-1/2; In flood yes; Size: sand; Str situs: alluvial; Float granite 70%, basic volcanics 30%
4688-S	LCC2, E6, N8	20	0.6	1	30	34	As -10	Str width: 6-10; Av str dpth: 1/2-1; In flood yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: boulders and fragments of granite
4689-S	LCC2, E6, N7	9	0.4	1	21	29	As -10	Str width: 3-6; Av str dpth: 1/2-1; In flood yes; Size: sand; Str situs: alluvial; Float: granite, boulders and fragments of granite
4690-S	LCC2, E6, N7	9	0.6	1	31	50	As -10	Str width: 3-6; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite boulders and fragments
4691-S	LCC2, E6, N7	10	0.6	1	36	76	As -10	Str width: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite boulders, some of them are iron stained, no ore dissemination visible

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4692-S	LCC2, E6, N7	10	0.5	2	39	72	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite boulders and fragments no ore dissemination visible
4693-S	LCC2, E5, N7	6	0.6	1	27	53	As -10	Str wtdh: 1-3; Av str dpth: dry; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite boulders and fragments
4694-S	LCC2, E5, N7	32	0.9	3	62	98	As -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite boulders and fragments
4695-S	LCC2, E4, N8	20	0.8	1	49	48	As -10	Str wtdh: 3-6; Av str dpth: 0-1/2; In flood: yes; Size: sand; Str situs: alluvial; Bedrock: granite; Float: granite fragments and boulder.
4701-R	LCB3, E6, N12	170	1.3	9	10	30	Au -.1 As -10	Type: chip; Float: yes; Float description: partly silicified dacite, sheared, with pyrite accumulating rusty
4702-S	LCB3, E6, N13	48	1.0	2	47	81	As -10	Str wtdh: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on glacial moraine now covered by grass
4703-S	LCB3, E6, N13	47	1.0	2	47	78	As -10	Str wtdh: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on grassy glacial moraine

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4704-S</del>	<del>LCB37 E6, N13</del>	<del>49</del>	<del>1.0</del>	<del>2</del>	<del>50</del>	<del>86</del>	As -10	Str width: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on grass covered glacial moraine
4705-R	LCB3, E6, N13	14	0.6	3	14	208	Au -.1 As -10 Sn -.0025%	Type: chip; Bedrock: yes; Float: quartz monite, iron stained, interstitial hematite and fine Mn oxides
4706-S	<del>LCB37 E6, N13</del>	<del>60</del>	<del>1.4</del>	<del>1</del>	<del>185</del>	<del>220</del>	Au -.1 As -10	Str width: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: directly under dacite outcrop
<del>4707-S(2)</del>		<del>60</del>	<del>1.8</del>	<del>4</del>	<del>72</del>	<del>260</del>	Au -.1 As -10	
4708-R	LCB3, E6, N13	31	1.1	4	20	113	Au -.1 As -10	Type: chip; Bedrock: yes; Float: silicified, cherty dacite, light green, mych jercited, a slately appearance
<del>4709-S</del>	<del>LCB3 E6, N13</del>	<del>16</del>	<del>1.0</del>	<del>4</del>	<del>67</del>	<del>105</del>	Au -.1 As -10	Str wd th: < 1; Av str dpth: dry; In flood: no; Size: sand; Str situs: colluvial; Float: on tuffaceous and cherty dacite and rhyodacite



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4710-S	LCB3, E6, N13	17	1.0	4	74	103	Au -.1 As -10	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: gravel; Str situs: colluvial; Float: on cherty rhyodacite
4711-S	LCB3, E7, N13	15	0.9	4	62	100	Au -.1 As -10	Str wdth: <1; Av str dpth: 0-1/2; In flood: no; Size: gravel; Str situs: colluvial; Float: on cherty rhyolite
4712-S	LCB3, E7, N13	16	0.9	4	66	104	Au -.1 As -10	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: gravel; Str situs: colluvial; Float: rhyolite to andesite but all volcanic rubble
4713-S	LCB3, E7, N13	37	0.8	4	18	58	Au -.1 As -10 Sb -1	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: r Size: gravel; Str situs: colluvial-bedrock; F Float: this sample is a fine chert gravel, to get dependable Au values, it was called a "rock"
4714-S	LCB3 E7, N14	29	0.8	3	16	57	Au -.1 As -10 Sb -1	Str wdth: 1-3; Av str dpth: 1/2-1; In flood: no; Size: gravel; Str situs: colluvial-bed- rock; Float: see 4713
4715-S	LCB3, E7, N14	30	0.9	3	25	61	Au -.1 As -10 Sb -1	Str wdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: gravel; Str situs: colluvial-bedrock; Float: see;4713

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4716-S	LCB3, E7, N14	35	0.9	4	29	70	Au -.1 As -10 Sb 1	Str wtdh: 1-3; Av str dpth: 1/2-1; In flood: no; Size: gravel; Str situs: colluvial-bedroc Float: as for 4713
4717-S	LCB3, E7, N14	33	0.9	3	31	67	Au -.1 As -10 Sb -1	Str wtdh: <1; Av str dpth: dry; In flood: no; Size: gravel; Str situs: colluvial; Float: as for 4713
4718-S	LCC2, E2, N9	47	0.7	2	26	115	Au -.1 As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: sand; Str situs: glacial-colluvial; Float: on cirque floor joined at edge of snow, rubble about 50% feldspar enriched granite minor epidote a few cavities filled with drusy quartz about 50% schists, fine grained disseminated pyrite, dark gray
4719-S	LCC2, E2, N9	64	0.8	2	27	135	Au -.1 As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: see 4718
4720-S	LCC2, E2, N9	76	1.0	2	31	162	Au -.1 As 10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: glacial-colluvial; Float: see 4718

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4721-R	LCC2, E1, N2	8	1.0	5	25	25	Au -.1 As -10	Type: grab; Bedrock: yes; Bedrock description: bleached pyritic (3-5% fine grained disseminated) andesite occurs about 5-15' discontinuously (sheared?) dikes in granodiorite dacite forms about 4% of outcrop here, 100' downstream from 4642 fork Str width: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand; Org: low; Str situs: colluvial-bedrock; Float: 90% chlorite-epidote altered granodiorite feldspar along margins of quartz veins, on piece of highly fractured granodiorite with blue-green oxide copper on fracture (2% Cu?) stronger chlorite altered and 10% andesite chlorite-epidote altered and fine grained sediments, probably dike related and of no economic significance Str width: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial-bedrock; Bedrock description: fine grained homfelsed(?) sediments (cherty outcrop, pyrite on fractures, these in a float plus granodiorite and pink granite, sedimented str about 015/vertically Depth: 3 inches; Size: sand-silt; Moist: medium; Color: brown; Soil situs: talus fine Org: low; Froz: no; Float: talus off cherty sediments but with numerous boulders up to 3' diameter of pyritic 5-10% (on fractures and disseminated) foliated andesite probably a 6' dike in sediments, 200' up slope, sample 4726 a hygraded rock sample of massive sulfide material
4722-S	LCC2, E2, N2	190	1.3	64	120	130	Au -.1 As 10 Hg -20	
4723-S	LCC2, E2, N2	127	1.1	10	30	68	Au -.1 As -10 Hg -20	
4724-D	LCC2, E2, N1	870	1.8	290	34	53	Au -.1 As -10 Hg -20	

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4725-S	LCC2, E2, N1	96	1.0	12	36	77	Au -.1 As -10 Hg -20	Str width: 10-15; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: alluvial bedrock; Float: about 60% intrusives, 40% fine grained sediments and andesites Type: grab; Float: yes; Higraded: yes; Float: 6" massive sulfide boulders, rock is chloritically altered and contains 50% pyrite and possibly 1/4% chalcopyrite in stringers and dissemination, also epidote altered locally rich in magnetite and or quartz, in less mineralized piece a dolentitic or andesitic texture is discernable, source of mineralization probably a 6' thick dike cutting cherty(?) (or hornfelsed?) sediment sed. str about 010/90
4726-R	LCC2, E2, N1	2700	2.9	18	17	19	Au -.1 As -10 Hg -20	Type: grab; Float: yes; Hi graded: yes Bedrock: massive sulfide gossan, completely oxidized, host rock is breccia 1-2cm clasts of limestone, chert etc in fresh pieces, comprises 1% of float in small gully
4727-R	LCC2, E1, N2	1200	22.3	46	530	2500	Au 0.1 As 340 Hg 160	Str width: 3-6; Av str dpth: dry; In flood: no; Size: gravel-sand-silt-clay; Org: low; Str situs: colluvial-talus fines; Bedrock: rhyolite volcanics and tuff breccias; Float: the same and chloritized fine grained sedimentary sediments derived from fault gut 200-100' wide shatter zone
4728-S	LCC3, E13, N1	340	2.2	70	185	530	Au -.1 As -10 Hg 20	

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Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4729-S	LCC3, E13, N11	190	2.1	30	220	<del>460</del>	Au -.1 As 50 Pt -0.01 Hg 30	Str wdth: 3-6; Av str dpth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Float: rhyolitic volcanics and tuff breccias outcrop, one grain of gabbro seen in a breccia boulder
4730-S	LCC3, E13, N11	650	2.1	100	54	<del>510</del>	Au -.1 As -10 Hg -20	Str wdth: 1-3; Av str dpth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Float: fine grained cherty sed (as for 4723) creek etc to east cut by andesite dikes, float there and granite breccia etc
4731-S	LCC2, E2, N11	180	0.9	2	10	<del>75</del>	Au -.1	Str wdth: 6-10; Av str dpth: dry; In flood: no; Size: sand=silt; Org: low; Str situs: alluvial; Float: talus and short moraine of green silt-stones and 10% andesite, lot of chlorite and some epidote
4732-R	LCC2, E2, N11	16	0.9	2	14	<del>83</del>	Au -.1	Type: grab; Float: talus of green andesite volcanics
4733-R	LCC2, E2, N11	74	1.0	1	8	<del>48</del>	Au -.1	Type: grab; Float: pebble sized material from moraine consisting largely of green slate and schists with some marble and quite a bit of green andesite, trace chalcopyrite in 1 bull quartz vein float

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PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4734-S</del>	<del>LCC2, E2, N11</del>	<del>150</del>	<del>0.9</del>	<del>1</del>	<del>10</del>	<del>83</del>	<del>Au -.1</del>	<del>Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: sand-silt; Org: low; Str situs: aluvial-bedrock; Float: detritus largely metasiltstones, graywackes, andesite, some marble, basalt meta diorite Type: grab; Float: pebble sized detritus from strea consisting of 90% hornfelsic meta siltstone and 10% fine grained hornblende diorite, strong pyrrhotite in siltstone Type: grab; Bedrock: talus of fine grained meta diorite near contact with meta siltstone same of diorite not high graded, contains trace of chalcopyrite and 3% pyrite, siltstone have pyrrhotite, appears only diorite near siltstone to be mineralized</del>
4735-R	LCB2,	130	1.3	6	34	93	Au -.1	
4736-R	LCB2,	220	0.7	2	4	28	Au -.1	
<del>4737-S</del>	<del>LCB2</del>	<del>190</del>	<del>0.9</del>	<del>10</del>	<del>10</del>	<del>66</del>	<del>Au -.1</del>	<del>Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: stream at bottom of glacier, most of rock is unaltered medium grained hornblende diorite, it does have trace of chalcopyrite and malachite along spare fractures, lot of chlorite and epidote and even chlorite brecciated into diorite</del>
<del>4738-S</del>	<del>LCB2,</del>	<del>300</del>	<del>1.1</del>	<del>3</del>	<del>10</del>	<del>94</del>	<del>Au -.1</del>	<del>Str width: 1-3; Av str dpth: dry; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: small gully draining strongly pyrrhotite meta siltstone, siliceous and some pyritized metadiorite dikes or sills(?)</del>

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4739-R	LCB2,	540	1.4	17	12	85	Au -.1	Type: grab; Float: talus of dense hornfelsic siltstone with strong pyrrhotite and iron stain limonite peacock, rain and snow
<del>4740-R</del>	<del>KEC7,</del> E9, N14	<del>200</del>	<del>1.3</del>	<del>2</del>	<del>20</del>	<del>96</del>	<del>Au 0.1</del> <del>Co 12</del> <del>Se -10</del>	Type: grab; Bedrock: yes; Float: dense hornfelsic black slate, bedding near horizontal strong (FE red orange) stain from pyrrhotite so laminations here more iron S2 than others
4741-S	KEC7, E4, N6	86	1.6	1	20	118	Au -.1 Co 9 Se -10	Str wtdh: 1-3; Av str dpth: 0-1/2; In flood: no; Siz: silt; Org: low; Str situs: alluvial; Float: detritus of quartz monzonite with 5% pyrite altered by quartz and sericite, moderate fracturing only sample taken to get average background, large area, 1 mile long on iron stain, local siltstone
<del>4751-S</del>	<del>LCC2,</del> E5, N13	<del>25</del>	<del>0.8</del>	<del>1</del>	<del>13</del>	<del>36</del>	<del>As -10</del>	Str wtdh: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: 60% granodiorite, 30% schist (meta volcanics?) and limestone

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4752-R	LCC2, E5, N13	013	1.2	3	20	50	Au -.1 As -10	Type: grab; Float: yes; Float description: sample of iron stained and pyrothitized diorite → schist, no other mineralization evident
4753-S	LCC2, E5, N14	50	1.0	1	17	55		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: none evident
4754-S	LCC2, E4, N14	25	0.7	8	11	27		Str width: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: chloritized diorite and granodiorite
4755-S	LCC2, E4, N14	38	0.8	2	10	35		Str width: 6-10; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: biotite schist with pyrite and pyrrhot granodiorite, chlorite diorite, and limestone (10%)
4756-S	LCC2, E2, N13	11	0.7	1	13	33	As -10	Str width: 3-6; Av str dpth: 1/2-1; In flood: no; Size: silt; Org: low; Str situs: alluvial; Float: some granodiorite
4757-R	LCC2, E3, N12	70	2.0	13	21	63	Au -.1 As -10 W -.005% Sn -.005%	Type: grab; Float: yes; Float description: sample of iron stained chert or siltstone in float, derived from large bed on cliff



PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4801-R	LCC2, E2, N8	400	0.8	4	15	61	Au -.1 As -10	Type: chip; Bedrock: yes; Float: dark silicified schist with disseminated pyrite and minor chalcopyrite
4802-S	LCC2, E2, N8	26	0.7	1	20	58	As -10	Str width: < 1; Av str dpth: 0-1/2; In flood: no Size: silt; Str situs: colluvial; Float: from tight pink granite talus
4803-S	LCC2, E2, N8	26	0.8	1	19	49	As -10	Str width: 1-3; Av str dpth: 0- 1/2; In flood: no; Size: silt; Str situs: colluvial; Float: 60% granite, 40% dark gray schist talus
4804-S	LCC2, E2, N8	26	0.4	1	20	54	As -10	Str width: < 1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: on granite talus

PROJECT - COOK INLET A

Sample Area and  
No. Coordinates

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2805-R	LCC2, E2, N8	14	1.1	1	17	54	Au -.1 As -10	Type: chip; Float: yes; Float description: pink fine to medium grained granite, some secondary feldspar(K)
4806-R	LCC2, E8, N8	55	1.1	1	13	73	Au -.1 As -10	Type: chip; Float: yes; Float description: dark green schistose meta-dacite to meta andesite minor fine pyrite in texture aligned with schistosity
4807-S	LCC2, E2, N8	147	1.2	3	25	110	As 20	Str wtdth: <1; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: on schistose meta volcanics
4808-S	LCC2, E2, N8	150	0.9	2	26	116	As 30	Str wtdth: 1-3; Av str dpth: 0-1/2; In flood: no; Size: silt; Str situs: colluvial; Float: as 4807
4809-S	LCC2, E2, N8	160	1.0	2	27	110	As 30	Str wtdth: <1; Av str dpth: dry; In flood: no; Size: silt; Str situs: colluvial; Float: 4807
4810-S	LCC2, E1, N8	160	0.5	2	27	114	Au -.1 As 30	Str wtdth: 6-10; Av str dpth: 1-2; In flood: no; Size: silt; Str situs: colluvial-bedrock; Float: on much altered metadiorite

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4811-R	LCC2, E1, N7	6	0.5	1	35	27	Au -.1 As -10	Type: chip; Bedrock: yes; Float: 15-20 feet wide vertically totally altered and leached shear, crumbly and soapy light in color strike N
4812-R	LCC2,	7	0.7	1	27	19	Au -.1 As -10	Type: chip; Bedrock: yes; Float: as 4811
4813-R	LCC2, E1, N2	85	0.7	1	47	22	Au -.1 As 10	Type: chip; Bedrock: yes; Float as 4811
4814-R	LCC2, E1, N7	15	1.1	1	41	68	Au -.1 As -10	Type: chip; Bedrock: yes; Float: altered, meta diorite, chloritic crumbly, host to 4811
4815-S	LCC2, E1, N7	160	1.0	2	27	109	As 30	Str wtdth: < 1; Av str dpth: 0 ± 1/2; In flood: no Size: sand-silt; Str situs: colluvial; Float: c meta volcanic schists

PROJECT - COOK INLET A

Area and

Smpl #	coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
<del>4826-S</del>	<del>ECES</del>	100	1.3	4	28	83	As 80 Hg 30 Ni 100	Str wdth:1-3; av str dpth:0-½; in flood: no; size:grvl/sand/silt; org:low; str situs:alvl/bedrock; float of sediments, volcanics, gabbro, ultramafics and granite
<del>4827-S</del>	<del>ECES</del>	290	1.5	33	86	370	As 10 Hg 30 Ni 44	Str wdth:3-6; av str dpth:0-½; in flood: no; size:grvl/sand/silt; org:low; str situs:bedrock; float of andesite and rhyolite volcanics and breccias; sediments and intrusives
4828-R	LCB3	200	1.3	4	26	70	Au -.1 As -10 Ni 52 Pt 0.03	Type:chip; bedrock; 10-foot wide man-ganiferous "chet" horizon at 0350/600W; continuous over 100 feet or so only, but other lenses in section; unusual texture in parts, but generally has appearance of at least being recrystallized
4829-R	LCB3	340	1.0	1	8	30	Au -.1 As -10 Ni 40 Pt -.015	Type:grab; float; hi graded; very coarse grained pyroxenite, black; less than 5% interstitial feldspar(?); about 1% fine grained disseminated pyrite (or possibly pentlandite?); trace copper stain on a few rocks; fine grained phases of what might be a 50-foot dike are not so strongly mineralized, so there is probably only a few feet of such mineralized material as the sample

PROJECT - COOK INLET A

Area and

Snpl # coordinates Cu Ag Mo Pb Zn Other Remarks

4830-R	LCB3	440	1.8	7	12	51	Au -.1 As -10 Ni 41 Pt -.015	Type:chip; bedrock; as for 4829, but this is a 250-foot by 50-foot body trending 450/steep with limonite staining moderate (dark chocolate brown); about 1-2% interstitial pyrite; no oxide copper seen; 50% oxidized; hand sample of non-oxidized rock; chip taken 100 feet down from top end of body; chip was right across body, i.e. over 50 feet
<del>4831-S</del>	<del>LCB3</del>	<del>36</del>	<del>1.2</del>	<del>1</del>	<del>14</del>	<del>24</del>	Au -.1 As -10 Ni 93	Str wtdh:1-3; av str dpth:dry; in flood: no; size:sand/silt; org:low; str situs: clvl; float of serpentinite, gabbro, pyroxenite, cherty sediments, marble, etcl; sample taken just below where talus from 4830 enters gully
4832-R	LCB3	4500	2.6	22	14	85	Au -.1 As -10 Hg 490 Ni 91	Type:chip; bedrock; six-foot square area massively disseminated (10% overall) pyrite in quartz-chlorite schist with folding about 000/550W; in 20-foot section including 4832 perhaps 5% is massive sulfide; discontinuous extensions of 4832 pod along foliation; trace copper oxide staining
4833-R	LCB3	1900	1.8	8	10	66	Au -.1 As -10 Hg 420 Ni 87	Type:chip; bedrock; about 100 feet down gully from 4832; eight-foot wide zone 30 feet long is closed to west and open to east; S-shaped; some metadiorite on one side of zone (and meta-andesite), quartz-chlorite schist on the other; sulfides 20% oxidized; about 10% massively disseminated fine to coarse grained pyrite and chalcopyrite (pyrite: chalcopyrite is 10:1?); trace of oxide copper; few quartz veins (continued on next page)

PROJECT - COOK INLET A

Area and

Smpl # coordinates Cu Ag Mo Pb Zn Other Remarks

4833-R

(continued) in stream section with good outcrop including samples 4832 and 4833, there is a 200-foot section with several less than eight-foot pods and zones of heavily disseminated pyrite and chalcopyrite mineralization; of the 200-foot zone, 5 to 10% would be mineralized, with a pyrite:chalcopyrite ratio of perhaps 10:1; this zone possibly correlates with one of the two zones in the next large gully (ravine) to the northeast; if so, it probably represents a very prospective stratiform (volcanogenic?) massive sulfide horizon; however, in sections seen without some gold values, it would not be economic; southwest extension of the zone is likely cut off by a large fault Dpth:3; size:sand/silt; moist:med; color:brown; soil situs:clvl; org:med; frozen:no; from the bottom of a small stoney gut at scrubline; float not examined carefully, but limonitic float noted; about 100 feet north of fault trace; sheared serpentinite along fault Str wth:1-3; av str dpth:0- $\frac{1}{2}$ ; in flood: no; size:grvl/sand/silt; org:med; str situs:clvl/bedrock; chert outcrop bedrock; float of chert and chlorite schist, and lithic quartose graywacke and serpentinite

4834-D LCB3 150 0.8 1 8 58 Au -.1  
As -10  
Hg -20  
Ni 87

4835-S LCB3 64 1.0 1 12 48 Au -.1  
As 10  
Hg 40  
Ni 530

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Area and

Area and Smpl # coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4836-S LCB3	<u>48</u>	<u>1.1</u>	<u>1</u>	<u>10</u>	<u>49</u>		Downstream from 4834 - taken below fault. Float 90% graywackes 10% chlorite schist. No gossan seen. Perhaps 250' laterally from fault.
4837_D ? LCB3	44	0.7	1	8	27		Quartz - chlorite schist. 150' to N of fault.
4838-S LCB3	<u>220</u>	<u>1.3</u>	<u>1</u>	<u>14</u>	<u>41</u>		Quartz- chlorite schist and rare serpentine spring emerges here so could get strong hydromorphic geochemistry. 100' on chlorite schist side of fault.
4839-S LCB3	<u>24</u>	<u>1.3</u>	<u>1</u>	<u>14</u>	<u>32</u>		Chlorite schist outcrop nearby, 100 yards upstream is 100' wide zone of sheared serpentine - probably marking fault zone. 30' of coarse grained chlorite rock.

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Area and coordinates	Smpl #	Cu	Ag	MO	Pb	Zn	Other	Remarks
LCC3	4845-R	7	0.7	4	18	61	Au -1	Type:chip; bedrock; eight-foot chip of bedrock- lapilli tuff with shards and clasts up to 3/8-inch; weak brown iron oxide and black manganese oxide; shows minor contorted flow structure
LCC3	4846-D	16	0.9	1	28	60	As -10	Dpth:4; hor:C; size:sand/silt; moist:med; color:red/brown; soil situs:rsdl; org:low; frozen:no; float of red, siliceous welded tuff shards up to 1/2-inch; no visible sulfides
LCC3	4847-D	14	0.5	1	28	63	As -10	Dpth:6; hor:C; size:sand/silt; moist:med; color:brown/gray; soil situs:rsdl; org:low; frozen:no; float of agglomerate with greenish, mostly andesitic clasts less than 1/4 inch; barren
LCC3	4848-R	8	1.0	1	26	97	Au -1	Type:chip; bedrock; bedrock of porphyritic latite with slightly argillic altered feldspars less than 1/8 inch; weak tan iron oxide; barren
LCC3	4849-S	25	0.9	1	17	57	As -10	Str wdth:1-3; av str dpth:0-1/2; in flood:no; size:silt; org:med; str ditus:alvl; float of tuffs, breccias and agglomerates mostly intermediate volcanics; no sulfides or iron oxide
LCC3	4850-S	18	0.8	1	15	49	As -10	Str wdth:1-3; av str dpth:1/2-1; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; float of rhyolite tuff and andesite agglomerates; no mineralization; no iron oxide
LCC3	4851-R	7	1.0	1	16	82	Au -1	Type:chip; bedrock; bedrock of andesite flow breccia with clasts generally less than 1/4 inch; barren; feldspar phenocrysts less than 1/8 inch



PROJECT - COOK INLET A

Area and

Smpl #	coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4852-R	LCC3	13	1.0	1	18	88	Au -.1	Type:chip; bedrock; bedrock of andesite tuff breccia with devitrified glass shards less than ¼ inch; trace limonite after pyrite
4853-R	LCC3	26	0.7	1	18	82	Au -.1	Type:grab; rubble crop; float of ande-site and dacite; nonmineralized
4864-D	LCB4	13	0.6	1	18	52	Au -.1 As -10	Dpth:4; hor:B; zie:sand/silt; moist:med; color:brown; soil situs:rsdl; org:high; frozen:no; float of trachyte; chlori-tized(?); greenish volcanic breccia
4865-R	LCB4	19	0.6	1	18	75	Au -.1 As -10	Type:grab; float; talus is greenish-gray flow breccia (mudflow?)-agglomerate with volcanic fragments
4866-D	LCB4	18	0.9	1	12	36	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist:med; color:brown; soil situs:rsdl; org:med; frozen:no; volcanic float; minor glacial float
4867-R	LCB4	13	0.7	1	18	84	Au -.1 As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alv1; bedrock of chloritized basalt with slickensides; float of andesite, basalt, latite and trachyte (quartz-poor vol-canics) breccia and agglomerates
4868-D	LCB4	14	0.7	1	24	74	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt/clay; moist:med; color:brown; soil situs:talus; org:med; frozen:no; float of cemented tuff, andesite breccai, ande-site-basalt and tuff breccia

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*DO THIS ONE*

PROJECT - COOK INLET A

Area and

Smpl #	coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4908-R	KEC7	25,000	9.8	7	17	96	Au -.1 Co 18 Se 10	Type:chip; bedrock; hi graded; pyrite-quartz veins with blue-black bornite(?) in quartz monzonite; veins one-half to two inches wide with local pods several inches thick of massive pyrite-quartz; two to six-inch rounded inclusions of volcanic (mafic) in monzonite
4909-R	KEC7	140	1.0	4	10	120	Au -.1	Type:chip; bedrock; representative sample of area 200 feet by 300 feet of porphyritic andesite, quartzite and quartz diorite; all rock except quartzite have 1 to 8% pyrite with strong silicification; fracture, vein and dissemination replacemtn by pyrite and quartz
4910-R	LHA3	130	1.6	3	12	150	Au -.1	Type:grab; talus of pyrrhotitic andesite which has a "scaly" texture due to infant phenocrysts of plagioclase; andesite apparently intruded by granite
4911-R	LHA3	170	1.4	2	66	380	Au -.1	Type:grab; bedrock; hi graded; iron and manganese stained granite having some pyrite and weak argillization; area of sample is in 200-foot weak fracture zone, strike length estimated at 800 feet

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4637-S	LCC3, E10, N2	9	0.3	4	31	100	Au -.1 As -10 Hg 20	Str width: 1-3; Av str depth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Float: as for 4636
4638-S	LCC3, E10, N1	10	0.8	2	31	101	Au -.1 As -10	Str width: 1-3; Av str depth: 0-1/2; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: bedrock; Bedrock description: similar to 4636, minor dacite, outcrops flow banded rhyolite in float
4639-S	LCC3, E10, N1	9	0.9	1	13	91	Au -.1 As -10	Str width: <1; Av str depth: dry; In flood: no; Size: gravel-sand-silt; Org: low; Str situs: colluvial-bedrock; Float: predominantly rhyolite? tuff breccias, similar to those at Necous River some dacite outcrops nearby
4640-R	LCC2, E1, N2	39	1.7	5	90	270	Au -.1 As -10 Hg -20	Type: grab; Float: yes; Hi graded: yes; float description: breccia, quartz carbonate altered, originally intrusive(?) confuses about 20% of float 200' in from contact of chlorite epidote altered granodiorite 1/2"-1" quartz veins, granodiorite at 1-5/10' bleb of chalcopyrite seen in one piece trace disseminated pyrite in intrusive
4641-R	LCC2, E1, N2	7	0.9	6	20	50	Au -.1 As -10 W -.005% Sn -.005%	Str width: <1; Av str depth: 0-1/2; In flood: no; Type: chip; Float: yes; Float description: granodiorite (with plagioclase altered to a gray color) intruding cherts and or hornfelsed sediments, minor andesties, quartz veins in all rocks at 1-3/1' generally 14/-2" thick milky some quartz veins in granodiorite have marginal 20 Feldspar, most quartz veins in sediments trend 120°/steep

PROJECT - COOK INLET A

Sample No.	Area and Coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4642-R	LCC2, E1, N2	7	1.1	39	300	290	Au -.1 As -10 W -.005% Sn -.005% Hg -20	Type: chip; Float: yes; Float description: similar to 4641, granodiorite forms 70% of float
4643-R	LCC3, E5, N2	15	0.7	3	24	86	Au -.1 As -10	Type: chip; Bedrock: yes; Float: sample of dacite outcrop in stream bed
4644-R	LCC3, E5, N2	8	0.7	13	23	18	Au -.1 As -10	Type: chip; Bedrock: yes; Bedrock description: sample of iron stained dacite(?) some of it bleached, no mineralization evident, outcrop about 50' long is only iron stained sporadic
4645-R	LCC3, E5, N2	7	0.8	4	12	25	Au -.1 As -10 W -.0025% Sn -.0025%	Type: grab; Float: yes; Float description: sample of rhyolite, some of it iron stained, and tuffs
4646-R	LCC3, E5, N2	27	1.5	1	13	65	Au -.1 As -10 Ni 28 Pt -0.01	Type: chip; Bedrock: yes; Bedrock description: sample of medium grained equigranular gabbro, outcrop is almost circular in shape and is abutted above by what appears top be a fine grained dacite, the gabbro become finer grained as you approach its contact- so it may be a chill border