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

APPENDIX 3

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

3 3755 000 97780 1

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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 B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0014-S	XLCR	16	0.4	1	5	40	W <.02%	Decomposed granite; iron stained, chloritized biotite(?) orthoclase has altered slightly to clay; rock crumbles in hand; shear zone? sample is chips over 150 feet
0015-R	XLCR	360	14.0	11	220	2600	Au <.1 As 410 W <.002% Co 5 Sn 0.015%	Type:chip; bedrock; 15-foot wide samp on north side of vein-shear zone tren ing east-west in granite and rhyolite sericitized iron, manganese; clays in shear eight inches wide; hanging wall minor copper oxide stain
0016-R	XLCR	520	1.1	1	50	740	Au <.1 As 250 W <.002% Co 4 Sn 0.005%	Type:chip; bedrock; 10-foot wide samp on south side of shear zone (same as 0015); in granite and monzonite; footwall? (shear is nearly vertical); sericite and clay alteration; iron and manganese stain
0017-R	XLCR	2200	20.0	49	1050	1980	Au <.1 Sn 0.015,Co 12,W <.02%,As 2500	Type:chip; bedrock; hi graded; one-fo wide vein; clayey decomposed rock
0018-R	XLCR	230	2.8	3	100	30	Au <.1 As 1500 Hg 40 ppb	Type:chip; bedrock; hi graded; altere zone in granite in creek bed; chips from 20-foot section; moderate to intensely sericitized pyrite, arsenopyrite; iron stain
0019-R	LXCR	47	0.6	1	15	900		Type:grab; coarse and medium-grained granite; magnetite altered to iron oxides, biotite to chlorite, orthoclase to clay; 20-foot grab sample
0020-R	XLCR	340	18.4	3	1750	1050		Type:chip; bedrock; three-foor wide sheared monzonite; veined and nonvein monzonite contains tourmaline, chlorite quartz, magnetite, iron-garnet, epidote
0025-R	XLCR	37	0.8	1	50	120	Au <.1	Type:chip; bedrock; quartz monzonite; saussurite, heavy chlorite; numerous healed cross fractures to very dominant main one; 326°/85°E

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0131-R	XLCR	14	0.8	2	30	64		Type:grab; bedrock; quartz monzonite; steep joints 350/74W
0132-R	XLCR	3000	10.2	16	30	104		Type:grab; rubble crop; granitic matrix?; shear about one foot wide 350/?; iron sulfides; iron oxides; limonite
0133-R	XLCR	36	0.6	4	20	60		Type:grab; bedrock; silicified arkosi sandstone about 20 foot thick bed 350/74W; iron oxides; secondary quart alteration; much irregular fracturing
0134-R	XLCR	260	6.0	2	250	72		Type:grab; rubble crop; diorite bedrc iron sulfides; calcite in fracture; northwest shears with tourmaline
0135-R	XLCR	240	0.9	1	30	54		Type:chip; bedrock; quartz monzonite: nice plucked former glacier bed; minc FeO; irregular fractures (due to ice plucking), one near vertical joint striking 350°
0136-R	XLCR	760	59.0	2	1050	70		Type:chip; rubble crop; fine-grained phase of quartz monzonite about two feet wide strikes 350°; minor pyrite specks; rich in FeO coating; 350° strike
0137-R	XLCR	15	1.0	1	50	135		Type:chip; bedrock; quartz monzonite slight iron oxides; slight saussurit: zation; fractures clean and tight 260°/vertical
0138-R	XLCR	4400	5.3	1	15	100	Au 0.1 As 90,000	Type:chip; bedrock; tourmalinized gash vein about two inches wide; iro: sulfides?; tourmaline; shear fractur filling 340/75W
0139-R	XLCR	37	3.5	3	225	530	Au 0.1 As 290	Type:chip; rubble crop; silicified tourmaline vein along shear, one inch iron oxides
0140-R	XLCR	29	0.7	1	20	75		Type:chip; rubble crop; host rock to 0139; quartz monzonite; slight saussuritization; tight straight fractures

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0175-R	XLCR	5500	2.9	1	15	70	Au <.1 As 30	Type:chip; float; tourmaline fracture fill with chalcopyrite; host rock is monzonite; slight saussuritization
0176-R	XLCR	130	0.7	2	15	50		Type:chip; float; irregular porphyry fragments (dike?) in nearby brecciate monzonite
0177-R	XLCR	7	0.3	1	20	80	Au <.1	Type:chip; float; silicified arkosic sandstone from little remnant on apex of monzonite peak; slight iron oxide; strike southwest; dip flat southeast
0178-R	XLCR	44	1.1	2	5	20	Au <.1	Type:chip; float; about three inches tourmaline in shear filling; minor iron sulfides; minor iron oxides
0179-R	XLCR	8	0.6	2	10	35		Type:chip; bedrock; monzonite, tight, healthy in texture, no signs of alteration; many irregular joint fractures
0180-R	XLCR	11	0.6	1	15	55		Type:chip; bedrock; disintegrating monzonite; iron oxides; slight saussuritization; one set of joints 350/45E; open
0181-R	XLCR	10	0.7	1	15	75		Type:chip; bedrock; monzonite; iron oxides; saussuritized at some places; joint 350/50W
0182-R	XLCR	15	0.7	1	20	85		Type:chip; bedrock; tight monzonite with numerous frost cracks
0183-R	XLCR	8	0.7	1	15	110		Type:chip; bedrock; monzonite; very frost damaged
0184-R	XLCR	6	0.4	3	5	40	Au <.1	Type:chip; float; lateral moraine; composed of monzonite
0185-R	XLCR	5	0.5	2	20	90		Type:chip; bedrock; aphanitic volcanic dike about 20 feet wide; heavy iron staining; 290/70N

PROJECT - COOK INLET B

#	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0186-R	XLCR	41	1.6	1	30	130		Type:chip; bedrock; diabase; fine-grained, medium gray dike 65/N60; slightly larger feldspar phenocrysts rusty surface; cutting quartz monzon
0187-R	XLCR	5200	16.0	2	120	138		Type:chip; bedrock; one-inch wide tourmaline shear with chalcopyrite, pyrite and secondary malachite (dike cuts it); strike 10/vertical
0188-R	XLCR	48	0.6	1	20	60		Type:chip; country rock to previous two samples; fine to medium-grained quartz monzonite; reasonable amount of hairline fracturing (all tight), irregular
0189-R	XLCR	28,000	26.0	25	900	320	Au 0.2	Type:chip; bedrock; fine-grained, medium gray felsitic rock- arkose?; very minor chalcopyrite in incipient microshears; much contorted strain partings
0190-R	XLCR	160	0.8	7	185	68	Au <.1	Type:chip; bedrock; fine to medium-grained granite; slight iron stains; iron oxides; white quartz, about one inch wide, along several shears at 305/67NE
0191-R	XLCR	54	0.5	6	20	340		Type:grab; float; crumbly granite; iron oxides, iron staining interstitially too; signs of dense shearin
0192-R	XLCR	43	0.3	13	20	340	Au <.1	Type:grab; float; sheared crumbly gra texture slightly porphyritic; iron oxides; irregular thin fractures

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0241-S	XLCR	59	0.8	4	15	42	Au < .1	Str wdth:6-10; av str dpth:½-1; in flood:no; org:low; str situs:alvl; fresh to crumbly granite bedrock; float of granite, mudstone, porphyr and greenstone
0242-R	XLCR	52	0.6	3	50	200	As 10	Type:chip; bedrock of iron-stained aphanitic greenstone; disseminated pyrite
0244-R	XLCR	59	1.3	16	115	280	As < 10 Se 8	Type:grab; rubble crop; bedrock of apple-green metaquartzite; trace of pyrite
0245-R	XLCR	420	2.1	1	10	92	As 10 Se 25	Type:grab; rubble crop; hi graded; bedrock of trachytes-basalts, with s pyrite, pyrrhotite, and a trace of chalcopyrite; minor sericite alterat massive structure
0246-R	XLCR	6600	31.0	1	80	100,000	As < 10 Se 400	Type:grab; rubble crop; hi graded; very ferruginous trachyte-basalt bedrock with some pyrite, pyrrhotite and a trace of chalcopyrite
0247-R	XLCR	1100	6.8	1	10	280	As < 10 Se 150	Type:grab; float; hi graded; massive pyrite, pyrrhotite, chalcopyrite
0248-R	XLCR		1.8		65	2800		Type:grab; float; rotten-looking sto with large angular leach cavities; l like dry bone ore

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0266-R	XLCR	26	0.8	1	15	96		Type:chip; bedrock; aphanitic volcani dikes, diabase about six inches or le iron oxide on surface; 326/85E
0267-R	XLCR	7	0.5	1	60	42	Au <.1	Type:chip; rubble crop; extremely weathered granite in center of glacie floor; falling apart to individual constituents
0268-R	XLCR	37	0.7	1	10	70	Ni 23	Type:chip; bedrock; dacite; minor amount of dark gray to black spherica grains which are hollow with silica fill in some of the rock; is slightl magnetic; slight iron oxide coat on surface due to weathering
0269-R	XLCR	10	0.3	1	10	88		Type:chip; bedrock; dacite porphyry; chloritic alteration; joints 326/70E
0270-R	XLCR	6	0.6	1	10	98		Type:chip; bedrock; dacite porphyry; iron oxides; rusty surface coat
0271-R	XLCR	5	0.2	1	5	64		Type:chip; bedrock; latite- light gra green color, aphanitic; quartz fillin some kaolinitic staining; much very thin microfracturing, all healed by quartz
0272-R	XLCR	7	0.1	1	5	44		Type:chip; bedrock; occasional feldsp phenocrysts in an aphanitic matrix; slightly magnetic; weathered color purple; brecciated areas
0273-R	XLCR	7	<.1	1	10	106	Au <.1 As <10	Type:chip; bedrock; weathered leuco-cratic granite; very minor pyrite; iron rust; crumbly
0274-R	XLCR	7	0.2	1	20	10	Au <.1 As <10	Type:chip; bedrock; extremely fractur granite, much weathered(?); minor irc sulfides; heavy iron rust; in main fa zone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0275-R	XLCR	11	0.1	8	10	38		Type:chip; float; black, finely laminated, probably volcanogenic sediment(?) or dacite laminated by metamorphic action(?)
0276-R	XLCR	3	<.1	1	10	75		Type:chip; float; finely laminated rhyolite-dacite; could be volcanogenic sediment(?); tuffaceous sediment
0455-D	XLCR	340	1.3	15	135	750	Au <.1 As 10 Se 15 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org: low; frozen:no; weathered metasediment and intrusives in highly ferriginous area; downslope from sample 0246 with anomalous copper, silver and zinc; fist of a series of eight soil sample (to 0462) across strike at 100-foot intervals
0456-D	XLCR	390	1.3	20	155	960	Au <.1 As 30 Se 10 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org: low; frozen:no; weathered metasediment and volcanics in highly ferriginous area
0457-D	XLCR	65	0.6	3	65	220	Au < .1 As < 10 Se 5 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org: low; frozen:no; weathered metasediment and volcanics in highly ferriginous area
0458-D	XLCR	170	0.8	9	120	600	Au <.1 As 10 Se 5 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org: low; frozen:no; weather metasediments and volcanics in highly ferriginous area

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0459-D	XLCR	51	0.5	2	40	300	Au < .1 As < 10 Se < 2 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org:lov frozen:no; weathered metasediments ar volcanics in highly ferruginous area
0460-D	XLCR	58	0.5	3	40	310	Au < .1 As < 10 Se 3 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org:lov frozen:no; weathered metasediments ar volcanics in highly ferruginous area
0461-D	XLCR	76	0.7	6	55	330	Au < .1 As < 10 Se 10 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org:lov frozen:no; weathered metasediments and volcanics in highly ferruginous a
0462-D	XLCR	73	0.7	4	50	370	Au < .1 As < 10 Se 7 Sb < 5	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:clvl; org:lov frozen:no; weathered metasediments ar volcanics in highly ferruginous area
0470-S	LHB1	11	0.1	1	15	78	Au < .1	Str wdth: 25; av str dpth: 2; in floc no; size:sand; str situs:alvl; river meanders on wide (¼ mile) flood plain over mainly light (leucocratic) intru sive; originated as coarse gravel
1045-S	LHB1	83	0.6	2	35	156	Au < .1 W 7 Sn < 10	Str wdth:10-15; av str dpth:1-2; in flood:no; size:sand; str situs:alvl; river on alluvial plain; coarse gravel 80 to 85% leucocratic igneous rock, about 30% feldspar-rich; less than 2% medium gray feldspar porphyry pebbles and cobbles; rate of flow brisk, but no cataracts
1046-S	LHB1	110	0.4	2	35	116	Au < .1	Str wdth:15-25; av str dpth: 2; in flo no; size:sand/silt; str situs:alvl; 50-50 ratio of light and dark rocks in alluvium; the dark rocks are mostly porphyritic; more than 80% of alluvium is gravel, subangular to subrounded pebbles and cobbles

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1077-S	LHB1	10	0.6	1	24	88		Str wdth:3-6; av str dpth:0-½; in floo no; size:silt; org:low; str situs:alvl float of 95% pink coarse-grained grani and less than 5% mafic dike rock
1078-S	LHB1	14	0.6	1	16	88		Str wdth:3-6; av str dpth:dry; in floo no; size:sand/silt; org:low; str situs alvl; float of 98% coarse-grained pink granite and less than 2% mafic dike roc
1079-S	LHB1	15	0.6	1	30	132		Str wdth:3-6; av str dpth:dry; in flooc no; size:sand; org:low; str situs:alvl; float of 95% coarse-grained pink granit and less than 5% mafic fine-grained di rock
1080-S	LHB1	8	0.6	1	20	88		Str wdth:3-6; av str dpth:½-1; in floc no; size:silt; org:low; str situs:alvl bedrock; bedrock of pink coarse-graine granite with less than 10% biotite; fl of 90% granite and 10% weak propyliti altered andesite
1081-R	XLCR	13,000	51.0	1	220	550	Au <.1 As 10 *	Type:chip; bedrock; sample is a compos of rock chips from sparingly mineraliz skarn (tactite) outcrops
1082-S	LHB1	11	0.1	1	20	84	Au <.1	Str wdth: 25; av str dpth: 2; in flood no; size:sand; str situs:alvl; alluvia riverbed; light-colored intrusives forming the gravel
1083-S	LHB1	12	0.1	1	15	86	Au <.1	Str wdth: 25; av str dpth: 2; in flood no; size:sand; str situs:alvl; light-colored gravel alluvium
1084-S	LHB1	12	0.1	1	20	84	Au <.1 W 5 Sn <10	Str wdth:3-6; av str dpth:½-1; in floc no; size:sand; draining from rust-colc bedrock high up on hillside; small alluvial fan of coarse sand with incre amount of orthoclase fragments; some r
1085-S	LHB1	8	<.1	1	15	60	Au <.1	Str wdth: 25; av str dpth: 2; in flood no; size:sand; river on alluvium which is dominated by feldspar porphyry cobb and pebbles; their matrix is medium to dark gray; form is subangular to subrounded

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1086-R	LHB1	7	<.1	4	10	34	Au <.1	Type:chip; rubble crop; orthoclase por phyry granite; light color; medium-gra granitic textured matrix; up to two-in long orthoclase phenocrysts showing "Karlsbad" twinning; biotite breaking down, causing minor rusty stains
1087-R	LHB1	84	0.2	2	15	60	Au <.1	Type:chip; bedrock; orthoclase porphyr granite
1088-R	LHB1	82	0.3	2	10	60	Au <.1	Type:chip; bedrock; orthoclase porphyr granite
1089-R	LHB1	18	0.2	3	15	78	Au <.1	Type:chip; bedrock; orthoclase porphyr granite; disintegrating
1090-R	LHB1	35	0.6	6	10	48	Au <.1 *	Fine-grained to aphanitic dark gray extrusive (andesite?) in approximatel horizontal sheets of varying thickness much irregular fracturing; heavy iron staining
1093-D	LHB1	130	0.8	13	45	260	Au <.1	Dpth:6; hor:B; size:sand/silt; moist: color:brown; soil situs:clvl; org:low frozen:no; volcanic and metasediment float; pyrite, chalcopyrite, etc. disseminated in volcanic float
1094-R	LHB1	83	1.0	4	20	400	Cd 6.0	Type:chip; bedrock; volcanics and meta sediments; pyrite, chalcopyrite and very fine-grained sphalerite in lime-stone skarn
1095-D	LHB1	130	0.7	9	45	300	Au <.1 As 40	Dpth:6; hor:B; size:sand; moist:med; color:brown; soil situs:alvl; org:med; volcanics and metasediments

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1096-S	LHB1	66	0.4	2	25	164	Au <.1	Av str dpth:dry; in flood:no; size:grv sand; org:high; str situs:alvl; meta-sediments (quartzite, argillite) and volcanics (andesite porphyry, basalt, amygduloidal basalt, aplite, rhyolite, etc.); trace of coarsely crystalline calcite; minimal sulfides; sample collected from ex-ice top fines in drainage rubble (float); many leaves,
1097-S	LHB1	75	0.7	3	30	136	Au <.1	Av str dpth:dry; in flood:no; size:grv org:low; str situs:alvl; same as 1096
1098-S	LHB1	79	0.7	2	35	260	Au <.1	Av str dpth:dry; in flood:no; size:grv org:low; str situs:alvl; same as 1096; some rhyolite porphyry
1099-R	TYB8	57	0.8	10	25	102	Au <.1	Type:grab; float; pebble-sized talus (: fines available) includes multiple volcanic types (rhyolite, andesite, basalt, etc.), aplite and some meta-sediments, mostly quartzite (trace black shale); minor disseminations of pyrite common
1101-S	LHB1	18	0.6	1	16	108		Str wdth:1-3; av str dpth:dry; in floo no; size:sand; org:low; str situs:alvl granite bedrock; float of 75% granite, and 25% andesite and mafic dike rock
1102-S	LHB1	24	0.9	1	40	146		Str wdth:3-6; av str dpth:0-½; in flood no; size:silt; org:med; str situs:clvl; float of 90% granite and 10% mafic dike rock
1103-S	LHB1	6	0.6	1	20	96		Str wdth:1-3; av str dpth:dry; in flood no; size:sand; org:low; str situs:clvl; float of 75% granite and 25% mafic volcanics; weak iron stain visible in clif above; maybe volcanic capping

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1104-D	LHB1	20	0.7	1	20	106		Dpth:2; hor:C; size:sand; moist:dry; color:yellow/brown; soil situs:talus; org:low; frozen:no; float of 70% grani 20% metavolcanics and less than 10% phyllite-schist with 1% pyrite having yellow-brown iron stain; also minor aplite-quartz-porphyry
1105-S	LHB1	24	0.8	1	16	88		Str wdth: 1; av str dpth:dry; in flood no; size:sand; org:low; str situs:clvl float of 70% granite, 20% diorite schi and 10% mafic volcanics
1106-S	LHB1	11	0.7	1	20	68		Str wdth:6-10; av str dpth:1-2; in flo no; size:silt; org:low; str situs:alvl float of 50% quartz diorite, 40% grani with orthoclase phenocrysts up to two inches, and 10% andesite
1107-R	TYD8	4400	28.0	8	350	130,000	Au < .1	Type:chip; rubble crop; hi graded; six inch massive sulfide vein; 10 to 20% sphalerite; less than 5% chalcopyrite; 20 to 40% pyrite; less than 20% pyrrho tite; traces of galena; conformable wi argillite east-west 55-60N; outcrop or very near for 15 to 25 feet
1108-R	TYB8	76	1.0	17	15	500	Au < .1	Type:chip; bedrock; very siliceous sed imentary tock with 3 to 5% pyrite fine disseminated; also fine black dissemi-nations, perhaps manganese; strong yellow to brown iron oxide; rib of outcrop in talus
1109-D	TYB8	48	0.7	5	55	260		Dpth:2; hor:C; size:sand; moist:med; color:brown; soil situs:talus; org:low frozen:no; float of 90% nepheline syen and 10% felsite dike

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1110-R	XLCR	130	0.9		25	88	Au <.1	Type:grab; rubble crop; banded argilli east-west 90°, with 3 to 5% fine-grain pyrite; sample is six-foot diameter
							Cd 1.0	non-high grade grab
1111-R	XLCR	43	0.5	6	15	60	Au <.1	Type:grab; rubble crop; same as 1110
1112-R	XLCR	50	0.6	5	15	86	Au <.1	Type:grab; rubble crop; same as 1110, plus amygduloidal andesite dike float
1113-R	XLCR	69	0.7	8	25	160	Au <.1	Type:grab; rubble crop; float of 70% banded argillite, 20% amygduloidal dik rock, and 10% volcanic(?) or recrystal-ized greywacke(?); weak iron stain material
1114-S	LHB1	28	0.5	3	10	90	Au <.1	Str wdth:1-3; av str dpth:½-1; in floo no; size:grvl/sand/silt; org:low; str situs:glcl/alvl; maybe volcanics; over one mile distance to nearest outcrop; no float
1115-S	LHB1	11	0.3	1	5	54	Au <.1	Str wdth:1-3; av str dpth:0-½; in floo no; size:grvl/sand/silt/clay; org:low; str situs:glcl/alvl; no bedrock visibl for a half mile; volcanic porphyritic trachite(?)
1116-S	LHB1	37	0.6	3	10	240	Au <.1	Str wdth: 1; av str dpth:dry; in flood no; size:grvl/sand/silt; org:low; str situs:glcl/alvl; no bedrock; glacial debris acid to intermediate volcanics and intrusives; quartz latite(?); leached of minor sulfides, probably pyrite
1117-S	LHB1	51	0.3	2	5	60	Au <.1	Str wdth:1-3; av str dpth:½-1; in flood no; size:grvl/snad/silt; org:med; str situs:glcl/alvl; no bedrock for over a mile; cobbles of volcanic rocks in stre

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1118-S	LHB1	35	0.3	1	5	66	Au < .1	Str wdth:3-6; av str dpth:½-1; in floo no; size:grvl/sand/silt; org:low; str situs:glcl/alvl; no bedrock for at lea a mile- volcanics(?); cobbles of volca
1119-S	LHB1	29	0.3	2	5	60	Au < .1	Str wdth:6-10; av str dpth:½-1; in flo no; size:grvl/sand/silt; org:low; str situs:glcl/alvl; no bedrock for at lea a mile; cobbles of volcanics
1120-S	LHB1	22	0.6	3	5	104	Au < .1	Str wdth:6-10; av str dpth:1-2; in flo no; size:grbl/sand/silt; org:low; str situs:glcl/alvl; no bedrock for at lea a mile; volcanic cobbles in stream
1121-S	LHB1	22	0.3	2	5	75	Au < .1	Str wdth:1-3; av str dpth:½-1; in floo no; size:grbl/sand/silt; org:med; str situs:glcl/alvl; no bedrock for at lea a mile; volcanics
1122-S	LHB1	12	0.3	2	15	62	Au < .1	Str wdth:1-3; av str dpth:0-½; in floo no; size:grvl/sand/silt; org:high; str situs:glcl/alvl; no bedrock for at lea a mile- volcanics(?); volcanics and gr
1123-R	XLCR	82	1.0	12	25	260	Au < .1 Cd 4.6	Type:grab; rubble crop; float of 50% dark brown iron-stained argillite, ver silicious with 5 to 10% pyrite, and 50 argillite and idke rock, non-iron stai
1124-R	XLCR	46	0.6	9	20	84	Au < .1	Type:grab; rubble crop; 90% brown iron stained siliceous argillite; minor limestone
1125-R	XLCR	74	0.8	20	25	280	Au < .1	Type:grab; rubble crop; 90% banded siliceous pyritized argillite
1126-R	XLCR	64	0.7		15	68	Au < .1 Cd 1.2	Type:grab; rubble crop; 100% banded siliceous, pyritized argillite, 50% with strong dark brown iron stain
1127-R	XLCR	37	0.4		15	24	Au < .1	Type:grab; rubble crop; same as 1126

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1128-R	XLCR	81	0.8		20	56	Au <.1	Type:grab; rubble crop; float of banded argillite with moderate brown iron oxide
1129-R	XLCR	67	0.7		20	116	Au <.1	Type:grab; rubble crop; same as 1128
1130-R	XLCR	58	0.6	6	30	134	Au <.1	Type:grab; rubble crop; same as 1128
1131-R	XLCR	60	0.8		8	50	Au <.1	Type:chip; bedrock; two-food chip of bedrock; moderate to strong brown iron oxide and yellow sulfur stain; strongly fractured; silicious greywacke(?), tuff(?) or intermediate volcanic(?)
1132-R	XLCR	200	1.6	1	12	114	Au <.1	Type:chip; bedrock; trachyte bedrock; dark feldspar porphyry with 7 to 10% fine disseminated pyrite and secondary biotite(?)
1133-R	XLCR	980	4.4	1	400	3800	Au <.1	Type:chip; bedrock; 6" X 2-4' skarn; green to reddish; green garnets(?); less than 1% chalcopyrite; 1 to 2% galena; 5 to 15% pyrite; hard to tell directions of alignment; strong manganese oxide stain
1134-R	XLCR	59	1.8	12	42	70	Au <.1	Type:chip; bedrock; siliceous argillite (?) with 3 to 5% disseminated fine-grained pyrite; trace chalcopyrite(?); strong brown iron stain
1140-R	TYB8	130	1.4	21	60	380	Au <.1 Cd 5.0	Type:grab; rubble crop; metasediments (argillite? black shale?) and concord and cross-cutting intrusives; series samples at 200-foot intervals; surfac float from four square-foot areas
1141-R	TYB8	83	1.4	19	20	460	Au<.1,Cd 6.0	Type:grab; rubble crop; same as 1140
1142-R	TYB8	74	0.9	15	25	420	Au<.1,Cd 5.6	Same as 1140, but local iron staining
1143-R	TYB8	93	0.8	13	25	122	Au<.1,Cd 1.4	Type:grab; rubble crop; same as 1140, but local iron staining
1144-R	TYB8	72	1.1	12	30	150	Au <.1 Cd 2.0	Type:grab; rubble crop; same as 1140, but local iron stain

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1145-R	TYB8	48	0.5	11	20	70	Au<.1,Cd 1.0	Type:grab; rubble crop; same as 1140
1146-R	TYB8	71	0.7	15	25	90	Au<.1,Cd 1.0	Type:grab; rubble crop; same as 1140
1147-R	TYB8	68	0.7	10	25	116	Au<.1,Cd 1.6	Type:grab; rubble crop; same as 1140
1148-R	TYB8	59	0.5	9	25	120	Au<.1,Cd 1.2	Type:grab; rubble crop; same as 1140
1149-R	TYB8	120	0.9	5	30	124	Au<.1,Cd 1.2	Type:grab; rubble crop; same as 1140- much trachyte porphyry; slope now opposite of 1140 to 1148
1150-R	TYB8	50	0.7	7	20	50	Au <.1 Cd 0.6	Type:grab; rubble crop; same as 1149; last of series
1151-S	LHB1	8	0.1	2	10	34	Au <.1	Str wdth:15-25; av str dpth: 2; in fl no; size:grvl/sand/silt; org:low; str situs:alvl; barren granite; granite, metasediments with disseminated pyrrh tite-pyrite; volcanics
1152-R	LHB1	9	0.1	5	10	46	Au <.1	Type:grab; bedrock; barren granite
1153-R	LHB1	16	0.6	7	15	68	Au <.1	Type:grab; bedrock; latite dike with trace of pyrite; barren; dike not ove ten feet wide
1154-S	LHB1	26	0.3	2	10	66	Au <.1	Str wdth:3-6; av str dpth:1-2; in flc no; size:grvl/sand/silt; org:med; st situs:alvl; barren granite but strear has trout; granite and volcanic floa
1155-S	LHB1	88	0.6	3	30	182	Au <.1	Str wdth:1-3; av str dpth:½-1; in flc no; size:grvl/sand; org:low; str situ alvl; no bedrock for about ½ mile- granite; float of granite and meta- sediments- looks barren
1156-R	LHB1	8	0.1	7	15	58	Au <.1	Barren granite
1157-S	LHB1	7	0.2	3	10	38	Au <.1	Str wdth: 25; av str dpth: 2; in floc no; size:grvl/sand/silt; org:low; st situs:alvl; barren granite bedrock; float of granite, metasediments, and volcanics
1158-S	LHB1	6	0.3	1	20	24	Au <.1	Str wdth:6-10; av str dpth:1-2; in fl no; size:grvl/sand/silt; org:low; st situs:alvl; bedrock of barren granite about 200 yards uphill; float of bar granite and granite with sparse bleb of pyrrhotite, some with a trace of chalcopyrite; also odd fine-grained

PROJECT - COOK INLET B

mpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
								rock with abundant quartz-biotite-tourmaline-plagioclase; may be hybric rock at granite(?) contact
159-S	LHB1	8	0.2	2	8	36	Au <.1	Str wdth:3-6; av str dpth:½-1; in flood: no; size:grvl/sand/silt; org:high; str situs:alvl; same granite as before about 200 yards uphill; float as before; can see horizontal band of oxidation about 1500 feet higher; may mark granite-volcanic(?) contact; probably pyrrhotite chalcopyrite on granite side of contact, but copper not in economic quantities judging from float; guessing this sample has 100 ppm copper; found xenoliths of fine-grained rock (per previous sample note) in granite-proof of intrusion of granite into present overlying rock
160-D	LHB1	3	0.3	< 1	6	16	Au <.1	Dpth:7; hor:B; size:silt; moist:med; color:brown; soil situs:clvl/alvl; org:med; frozen:no; looks like same granite 200 yards uphill; no float in immediate vicinity
161-R	LHB1	12	0.2	4	4	8	Au <.1	Type:chip; bedrock; aphanitic dark gray extrusive with much iron staining
162-R	LHB1	38	0.7	7	8	50	Au <.1	Type:chip; bedrock; andesite with much iron staining; intensive fracturing
163-R	LHB1	38	0.6	2	8	58	Au <.1	Type:chip; bedrock; andesite intensively fractured and iron-stained
164-S	LHB1	9	0.1	1	10	32	Au <.1	Str wdth: 1; av str dpth:dry; in flood: no; size:sand/silt; str situs:clvl/alvl; from fill to alluvium
165-S	LHB1	11	0.2	1	12	36	Au <.1	Str wdth: 1; av str dpth:dry; in flood: no; size:sand/silt; str situs:clvl/alvl; from fill to alluvium

PROJECT - COOK INLET B

mpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
166-S	LHB1	9	0.1	1	10	32	Au < .1	Str wdth:<1; av str dpth:dry; in flood: no; size:sand/silt; str situs:clvl/alvl; from fill to alluvium
167-S	LHB1	9	0.2	1	10	32	Au < .1	Str wdth:<1; av str dpth:dry; in flood: no; size:sand/silt; str situs:clvl/alvl; from till to alluvium
168-S	LHB1	29	0.6	1	18	90	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand/silt; str situs:clvl
169-S	LHB1	9	0.2	1	10	32	Au < .1	Str wdth:<1; av str dpth:0-½; in flood: no; size:sand/silt; str situs:clvl
170-S	LHB1	9	0.2	2	12	34	Au < .1	Str wdth:<1; av str dpth:dry; in flood: no; size:sand/silt; str situs:clvl
171-R	LHB1	13	0.1	3	10	40	Au < .1	Type:chip; bedrock; orthoclase porphyry granite
172-R	LHB1	12	< .1	2	15	30	Au < .1	Type:chip; float; fine-grained pink granite float
173-R	LHB1	10	0.1	4	10	40	Au < .1	Type:chip; bedrock; orthoclase porphyry granite
174-R	LHB1	16	0.2	3	10	50	Au < .1	Type:chip; bedrock; orthoclase porphyry granite
175-R	LHB1	240	0.7	2	22	48	Au < .1 As < 10 *	Type:chip; bedrock/rubble crop; quartz monzonite to granite; some entirely leucocratic areas show up to 1% very fine vugs from where sulfides leached out; skeleton remainders look like secondary calcite or covellite(?); heavy earthy hematite coating; no structure discernible
176-R	LHB1	90	0.7	2	6	16	Au < .1 As 10 *	Type:chip bedrock; leucocratic granite-quartz monzonite; up to 1% sulfides, dominantly pyrite; small vugs with minute quartz and tourmaline crystals; possibly also epidote; heavy earthy hematite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1177-R	LHB1	15	0.2	3	8	46	Au .1 As 10 *	Type:chip; bedrock; biotite granite in state of disintegration; much jointed; brown iron rust penetrated up to one foot into rock both on joint planes and texture
1178-S	TYA8	58	0.5	2	10	32	Au < .1	Str wdth:10-15; av str dpth: 2; in flood:no; size:sand/silt; str situs: glcl/alvl; stream drains glacier over glacio-fluvial apron, composed of cobble to boulder-sized, subrounded diorite; rusty fragments are few and far from each other
1179-S	TYA8	59	0.4	1	5	32	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:sand/silt; str situs:alvl; drains through swampy brush; slow flow
1180-S	TYA8	52	0.3	1	5	28	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:sand/silt; org:low; str situs: alvl; through swamp
1190-S	LHA1	39	0.5	3	15	100	Au <.1 Sn < 10 W 4	Str wdth:10-15; av str dpth:½-1; in flood:no; size:sand; org:low; str situs: alvl; glacial till(?); float of fine to medium-grained diorite predominantly, some xenolithic; some gabbro with pyrite, argillite with pyrite, amphibolite
1191-S	LHA1	34	0.8	1	4	68	Au < .1 Sn < 10 W 2	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl; org:med; str situs:alvl; glacial till; float same as 1190; fresh orange iron stain (may be organics); all alluvium stained
1192-S	LHA1	28	0.3	1	6	84	Au < .1 Sn < 10 W 3	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:high; str situs:alvl/bog; glacial till; fine silt
1193-S	LHA1	26	0.2	1	2	44	Au < .1 Sn < 10 W 4	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str siuts:alvl; glacial till; biotite diorite, gabbro and pyritic gneiss

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1194-S	LHA1	41	0.6	1	14	98	Au < .1 Sn < 10 W 3	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:alv; same as 1193
1195-S	LHA1	24	0.2	1	4	56	Au < .1 Sn < 10 W 4	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:med; str situs:alvl; glacial till; mostly diorite
1196-S	LHA1	14	0.2	< 1	2	50	Au < .1 Sn < 10 W 4	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:med; str situs:alvl; diorite glacial till; some gabbro
1197-S	LHA1	13	0.2	< 1	2	52	Au < .1 Sn < 10 W 4	Str wdth:6-10; av str dpth:1-2; in flood:no; size:sand; org:low; str situs:alvl; glacial till; float mostly fine-grained to coarse diorite; some apple green feldspar porphyry; some pyritic gneiss
1198-S	LHA1	17	0.2	1	4	62	Au < .1 Sn < 10 W 3	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand; org:med; str situs:alvl; float is very fine- appears to be biotite diorite, gabbro, quartz
1199-S	TYA8	20	0.3	2	10	68	Au < .1 Sn < 10 W 5	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs: alvl; glacial till; float of diorite, pink granite, and argillite
1200-S	TYA8	17	0.3	4	10	60	Au < .1 Sn < 10 W 4	Str wdth: 1; av str dpth:0-½; in flood: no; size:clay; org:high; str situs: alvl/bog; boggy stream; no float- silt and clay only

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1206-S	LHB1	5	0.5	1	8	44	Au <.1	Str wdth: 25; av str dpth:dry; in flood: no; size:grvl/sand/silt; org:low; str situs:alvl; barren granite 300 yards uphill; same as 1160 plus large pebbles of decomposed volcanics; so-called stream is actually a landslide wash of which there are many here; sample taken at fan-shaped end of wash
1207-SD	LHB1	5	0.2	1	11	34	Au <.1	Str wdth:10-15; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:clvl/alvl; dpth:5; hor:B; size:sand/silt; moist:dry; color:brown; soil situs:clvl/alvl; org:low:frozen:no; sample B soil horizon in old stream bed; still granite 200 yards uphill
1208-S	LHB1	7	0.3	8	20	46	Au <.1	Str wdth:1-3; av str dpth:dry; in flood: no; size:grvl/sand; org:low; str situs: alvl; as before, granite with overlying volcanics; float same with sparse pyrrhotite
1209-D	LHB1	38	0.3	3	30	86	Au <.1	Dpth:5; hor:B; size:silt; moist:dry; color:brown; soil situs:alvl; org: low; frozen:no; as before but volcanic (?) contact appears to be dropping much lower in elevation; moderate amount of pyrrhotized metasediments; nearest rock is about 1000 yards uphill
1210-S	LHB1	30	0.4	3	25	92	Au <.1	Str wdth:3-6; av str dpth:dry; in flood: no; str situs:alvl; probably sediments or metasediments about ½ mile upstream; float largely metasediments and sediments with varying amounts of dust-fine pyrrhotite filling microfractures and disseminations; some granite boulders with minor disseminated pyrrhotite; some volcanics without sulfides

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1211-D	LHB1	37	0.4	2	30	74	Au < .1	Dpth:2; size:silt/clay; moist:dry; color:brown; soil situs:talus; org: low; frozen:no; bedrock ½ mile distant, probably sediments and/or metasediments with occasional pyrrhotite; float as before, mainly sediments and metasediments
1220-S	TYA8	48	0.3	1	5	26	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:sand/silt; org:low; through swamp
1221-S	TYA8	49	0.3	1	5	28	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand/silt; org:low; str situs: alvl; through swamp
1222-S	TYA8	40	0.3	1	5	28	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand/silt; org:low; str situs: alvl; through swamp
1223-S	TYA8	52	0.4	2	10	30	Au < .1	Str wdth:15-25; av str dpth: 2; in flood:yes; size:silt; str situs:alvl; on diorite gravel; partly forested
1224-S	TYA8	53	0.5	1	10	30	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand/silt/clay; org:low; str situs:alvl; drains swamps
1225-S	TYA8	48	0.4	1	10	28	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:silt/clay; org:low; drains swamp
1226-S	TYA8	56	0.5	1	10	30	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand/silt; org:low; drains swamp
1227-S	TYA8	55	0.4	1	10	30	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand/silt; org:low; drains swamp
1228-S	TYA8	58	0.4	1	10	28	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; drains swamps
1229-S	TYA8	53	0.7	1	2	82	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; drains swamps

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1240-S	LHA1	42	0.3	1	8	40	Au < .1	Str wdth: 25; av str dpth: 2; in flood: no; size:sand/silt; org:low; str situs glcl/alvl; mainly granite float; sample of stream-washed heavy fine, largely of glacial origin; boulders of rusty pyritiferous finer-grained volcanics(?) with trace of chalcopyrite along some fractures; volcanics(?) may be chilled border intrusive(?) contact; float has one-inch wide seam of magnetite with chalcopyrite may be 0.7% copper; worthless in granite
1243-S	LHA1	15	0.4	3	20	55	Au < .1 Sn < 10 W 6	Str wdth:3-6; av str dpth:0-½; in flood: no; size:grvl/sand; org:med; str situs: alvl; float of mostly pink granite with some pyrite, some diorite and melaphyre, and bull quartz
1244-S	LHA1	20	0.6	2	28	95	Au < .1 Sn < 10 W 5	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float of pink granite, some with pyrite and iron stain; minor melaphyre; trace of argillite with disseminated pyrite; some quartzite
1245-S	LHA1	10	0.1	1	18	80	Au < .1 Sn < 10 W 7	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str situs:alvl; float of white and pink granite, pyritiferous chert and argillite, gabbro and melaphyre with thin quartz veining
1246-S	LHA1	25	0.3	1	53	160	Au < .1 Sn < 10 W 8	Str wdth:6-10; av str dpth:1-2; in flood: no; size:sand; org:low; str situs:alvl; 50-50 pink and white granite and iron-stained metasediments; some melaphyre and porphyritic granite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1251-R	TYB8 ~~XLCR~~	120	1.5		15	240	Au < .1	Type:grab; bedrock; hi graded; fractured, silicified metasediments(?) with pyrite and sphalerite(?); from exposed rib 50 feet wide by 100 feet long
1252-R	XLCR	6600	33.5	7	360	2800	Au < .1	Type:chip; bedrock; hi graded; chip of four-inch by two-foot limey skarn pod in limey argillites; malachite and azurite stain with traces of chalcopyrite and galena
1253-R	XLCR	130	1.4		210	174	Au < .1	Type:grab; rubble crop; silicious, brown iron-stained argillite with 3 to 5% pyrite
1254-R	XLCR	76	0.8	3	52	180	Au < .1	Type:grab; rubble crop; banded silicified pyritized argillite
1255-R	XLCR	620	5.0		1540	11,000	Au < .1 Cd 90	Type:chip; bedrock; hi graded; six-foot chip across sheared and brecciated limey argillite; some limestone and skarn; with 5% sphalerite, 1% chalcopyrite, and 1% galena; cuts across ridge east-west; most mineralization is in small pods

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1256-R	XLCR	51	1.0		660	740	Au < .1	Type:chip; bedrock; silicious argillite with pyrite and one small, less than five square inch skarn with 1% sphalerite
1257-R	XLCR	52	2.5	2	4000	5200	Au < .1	Type:grab; rubble crop; hi graded; skarn; greenish with 3 to 5% sphalerite, 1 to 3% galena, a trace of chalcopyrite, and 3 to 5% pyrite; strong black manganese coating; skarn is six by ten feet
1258-R	XLCR	67	0.8		78	80	Au < .1	Type:chip; bedrock; bedrock of argillite-mostly dark silicious, some bleached white; 3 to 5% disseminated pyrite; not limey
1259-R	XLCR	47	1.2		192	160	Au < .1	Type:chip; bedrock; bedrock of silicious pyritized argillite; N60E near vertical
1260-R	XLCR	20	0.7		15	44	Au < .1	Type:chip; bedrock; silicious argillite; same as 1259
1261-R	XLCR	100	1.0		56	124	Au < .1	Type:chip; bedrock; hi graded; bedrock of limey gray silicious argillite with manganese-coated fractures, 5 to 10% pyrite, and a trace of sphalerite(?)
1262-R	XLCR	170	1.3	4	18	158	Au < .1	Type:chip; bedroc; two-foot chip across bedding of argillite; 1 to 3% pyrite; moderate manganese stain; strong fracture; N60E vertical bedding
1263-R	XLCR	56	1.0		8	116	Au < .1	Type:grab; rubble crop; bedrock of banded silicious and carbonaceous argillite with 1 to 5% disseminated and veinlet pyrite; minor calcite veinlets; strong dark reddish-brown, thickly coated iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1264-R	XLCR	58	1.6		74	88	Au <.1	Type:chip; bedrock; bedrock of black argillite; minor calcite veinlets; 1 to 2% pyrite; background value
1265-R	XLCR	84	1.0		10	66	Au <.1	Type:chip; bedrock; bedrock of argillite-silicious with 1 to 2% pyrite; weak brown iron stain
1266-R	XLCR	100	1.3		16	70	Au <.1	Type:chip; bedrock; silicious argillite and cross-cutting mafic dikes (less than eight inches wide); dikes are greenish with 2 to 4% pyrite; argillite has less than 2% pyrite; eight foot chip along ridge
1267-R	XLCR	91	1.1		12	210	Au <.1	Type:chip; bedrock; bedrock of dark, silicious argillite with less than 2% pyrite and moderate brown iron oxide
1268-R	XLCR	78	0.8		10	104	Au <.1	Type:chip; bedrock; bedrock of meta-sediments- brownish-gray and silicious; less than 1% pyrite
1269-R	XLCR	74	0.7	7	8	88	Au <.1	Type:chip; bedrock; bedrock of silicious argillite; tan color on weathered surface; less than ½% pyrite; float of argillite and minor trachyte porphyry
1270-R	XLCR	120	1.5		8	820	Au <.1	Type:chip; bedrock; hi graded; six foot pod of skarn with pyrite and chalco-pyrite and sphalerite; 10 to 20% sulfides; greenish, limey with reddish garnets(?); may not be conformable with argillite
1271-R	XLCR	6	0.4	9	14	90	Au <.1 Hg 30 ppb	Type:chip; bedrock; ten foot lineal chip of porphyritic granite with phaneritic groundmass; weak argillic alteration; sparse hairline quartz veins

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1272-R	XLCR	16	0.6	19	24	150	Au < .1 Hg 20 ppb	Type:grab; rubble crop; porphyritic granite; weakly argillized with 1/16 to 1/8 inch quartz veins two to six inches apart with traces of molybdenum; weak manganese and iron stain
1273-R	XLCR	23	0.3	2	104	250	Au < .1	Type:grab; rubble crop; porphyritic granite weakly argillized and veined by gray quartz- some with chertz-type quartz; sparse fluorite veins and quartz-fluorite; traces of molybdenum in talus along some quartz veins
1274-R	XLCR	330	1.3	3	8	100	Au < .1	Type:grab; float; representative sample of talus of hornfelsic siltstone, locally slightly calcareous; some inter-bedded volcanics; siltstone is not very iron stained
1275-R	XLCR	10	0.2	2	14	95		Type:grab; float; representative talus sample of porphyritic granite; outside of mineralized area here, and sample taken for background; talus four to 12 inches in size- less fracturing here
1276-R	XLCR	31	0.5	3	8	52	Au < .1	Iron-stained siltstone; hornfelsic from intrusive siltstone; has only slight carbonate
1277-R	XLCR	21	0.6	4	6	60	Au < .1	Type:grab; float; iron-stained silt-stone talus; fragments two to four inches in size; not much $CaCO_3$ here
1278-R	LHA1	3	< .1	1	6	25	Au < .1	Type:grab; bedrock; barren granite
1279-R	LHA1	4	< .1	2	5	20	Au < .1	Type:grab; bedrock; barren granite
1280-S	LHA1	7	0.1	2	10	50	Au < .1	Av str dpth:dry; in flood:no; size: grvl/sand/silt; org:low; str situs: alvl; barren granite bedrock; float of barren granite plus granite leached of pyrite(?); sample from base of steep draw where it fans out and levels off

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1281-S	LHA1	1	<.1	2	4	25	Au <.1	Str wdth:6-10; av str dpth: 2; in flood: no; org:low; str situs:alvl; no bedrock seen; two types of granite float- one barren, the other weathers rusty and may have pyrite or pyrrhotite soales between mica plates; these sulfides are leached
~~1283-S~~	LCD1	140	0.4	3	10	46		Str wdth: 25; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl; bedrock is biotite diorite with float of less than 5% granodiorite; little alteration; saw one calcite vein; epidote on fracture surfaces and sparse pyrite veins
1284-S	LCD1	~~45~~	0.4	2	10	32		Str wdth:1-3; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl; small stream on top of ice draining tiotite diorite; diorite is unaltered and in two to six-foot blocks
1285-S	LCD1	190	0.5	4	15	56		Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand; org:low; str situs:alvl; hornblende diorite with widely spaced fractures with pyrite; stream at south margin of large tributary glacier
1286-S	LCD1	40	0.3	3	10	32		Size:sand; org:low; str situs:alvl; small stream on top of ice of large glacier-large drainage; float of quartz diorite and granite; found some coarse molybdenum in granite with no alteration; pyrite along fractures of diorite and granite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1287-S	LCD1	83	0.5	3	15	66		Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; firly large stream from small tributary glacier; rocks are hornblende diorite; pyrite along some fractures; no alteration
1288-R	LCD1	62	0.2	5	10	26	Au <.1	Type:grab; float; talus of iron-stained biotite granodiorite with local spots of pyrrhotite and trace only of chalcopyrite
1289-R	LCD1	16	0.2	2	10	70		Type:grab; float; talus of medium-grained fresh and unaltered biotite diorite; tombstone diorite
1291-S	LHA1	24	0.5	1	10	40	Au <.1	Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand/silt; str situs:glcl; on wasting terminal moraine; moraine material mostly acid intrusive; fragments of considerable size; subangular shape; a few fragments show chlorite on strain surfaces
1292-S	LHA1	27	0.4	1	9	40	Au <.1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:sand/silt; str situs:glcl; similar to 1291
1293-S	LHA1	25	0.6	1	12	40	Au <.1	Str wdth:6-10; av str dpth: 2; in flood: yes; size:sand/silt; str situs:glcl/alvl; drains glacial-alluvial apron of acid intrusives; fragments mostly subrounded cobbles

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1294-S	LHA1	27	0.3	1	7	35	Au < .1	Str wdth:6-10; av str dpth: 2; in flood: yes; size:silt; str situs:glcl/alvl; same as 1293
1295-S	LHA1	27	0.1	1	7	20	Au < .1	Str wdth:1-3; av str dpth:½-1; in flood: no; size:silt; org:low; str situs:clvl/alvl; drains thick forest-covered apron
1296-S	LHA1	23	0.1	1	5	30	Au < .1	Str wdth:1-3; av str dpth: 2; in flood: no; size:silt; org:low; drains through forest-covered apron
1297-S	LHA1	28	0.4	2	10	45	Au < .1	Str wdth: 1; av str dpth:0-½; in flood: no; size:sand; org:med/low; meandering creek in marshy flood plain
1298-S	LHA1	24	0.3	2	11	40	Au < .1	Str wdth: 1; av str dpth:1-2; in flood: no; size:silt; org:med; meandering creek in marshy flood plain
1299-S	LHA1	23	0.3	2	10	40	Au < .1	Str wdth:1-3; av str dpth:1-2; in flood: no; size:sand; str situs:alvl; alluvial apron-delta; swamp vegetation
1300-R	XLCR	60	0.5	12	18	140	Au < .1	Type:chip; silicious granite bedrock; weak iron oxide; weak manganese oxide; near contact with argillite, where it is sometimes skarn with sulfides
1301-D	XLCR	83	1.4	9	186	350	Au < .1	Dpth:2; hor:C; size:sand; moist:med; color:yellow/brown; soil situs:talus; org:low; frozen:no; float of 100% granite porphyry
1323-S	LHA1	6	0.1	3	23	50		Str wdth:3-6; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float of 100% medium-grained granite with weak yellow-orange iron oxide and minor aplite dike rock
1324-D	LHA1	10	0.1	1	12	40		Dpth:2; hor:C; size:sand; moist:med; color:brown; soil situs:talus; org: low; frozen:no; float of medium-grained gresh granite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1325-D	LHA1	7	0.2	2	12	45		Dpth:2; hor:C; size:sand; moist:med; color:brown; soil situs:talus; org:low; frozen:no; float of medium-grained granite
1326-D	LHA1	9	0.2	2	13	45		Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:clvl/talus; org:low; frozen:no; float of medium to coarse-grained unaltered granite
1327-D	LHA1	20	0.4	1	13	40		Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/talus; org:low; frozen:no; float of coarse-grained, fresh, unmineralized granite
1328-D	LHA1	16	0.2	1	12	40		Dpth:4; hor:B; size:silt; moist:dry; color:brown; soil situs:rsdl; org:med; frozen:no; granite float
1329-S	LHA1	11	0.3	10	15	55		Str wdth:1-3; av str dpth:0-½; in flood: no; size:grvl/sand; org:low; str situs: bedrock; bedrock and float of coarse-grained granite
1330-S	LHA1	9	0.4	6	18	55		Str wdth:3-6; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float of coarse-grained granite
1331-S	LHA1	7	0.2	9	18	50		Str wdth:3-6; av str dpth:½-1; in flood: no; size:grvl.sand/silt; org:med; str situs:alvl/bedrock; bedrock of coarse-grained, fresh granite
1332-S	LHA1	13	0.4	4	15	50		Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand/silt; org:low; str situs: alvl/bedrock; granite
1333-D	LHA1	6	0.1	4	10	35		Dpth:2; hor:C; size:sand; moist:med; color:brown; soil situs:talus; org:low; frozen:no; barren granite float
1334-D	LHA1	9	0.2	5	10	40		Dpth:2; hor:B; size:silt; moist:med; color:brown; soil situs:talus; org:low; frozen:no; float of coarse, barren granite
1335-D	LHA1	10	0.1	1	9	30		Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org:med;

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1340-R	LHB1		0.4				Au < .1	Type:chip; bedrock; fine-grained silicious felsic dike with pyrite and pyrrhotite, 100 feet wide; strike north; metadiorite on east and west; semi-representative chip sample across full width
1341-R	LHB1						Au < .1	Type:grab; float; semi-representative float chips 100 feet down talus slope from bedrock; fractured, silicified argillite with hematite
1342-R	LHB1						Au < .1	Type:grab; float; hi graded; rusty, fractured, silicified, brecciated argillite with minor hematite; bed about 400 feet thick
1343-R	LHB1		1.5				Au < .1	Type:grab; float; hi graded; talus grab 200 feet below outcrop; argillic altered diorite with 2% estimated pyrite by volume; from rusty fracture zone estimated 200 feet wide, exposed more than 600 feet vertically
1344-S	LHB1	9	0.5	1	30	66		Str wdth:6-10; av str dpth:½-1; in flood: yes; size:clay; org:low; str situs:glcl/clvl; diorite, metadiorite, volcanics and porphyritic volcanics
1345-S	LHB1	74	1.1	10	104	580		Str wdth:1-3; av str dpth:0-½; in flood: no; size:clay; org:med; str situs:glcl/clvl; volcanic rhyolite bedrock; float of diorite, metadiorite, volcanics and porphyritic volcanics
1346-R	LHB1	2					Au < .1	Type:grab; float; rusty quartz-sericite-pyrite rock in talus and glacial drift; probably from glacial cirque above sample location

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1347-S	LCD1	41	0.5	3	10	36		Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand; org:low; str situs:alvl; small stream draining talus of biotite diorite; nothing exciting
1348-S	LCD1	42	0.3	3	10	36		Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; talus of biotite diorite; some fresh pyrite along fracture surfaces as coatings
1349-S	LHA1	17	0.1	2	9	45	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; str situs:alvl; drainage of marshy apron-delta
1350-S	LHA1	20	0.3	2	10	45	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:sand; draining marshy forest on flood plain
1351-S	LHA1	76	0.3	5	9	60	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; marshy delta at toe of talus apron
1352-S	LHA1	73	0.2	6	2	60	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; str situs:alvl; alluvium; marshy vegetation
1353-S	LHA1	71	0.2	7	9	60	Au < .1	Str wdth:3-6; av str dpth: 2; in flood: no; size:silt; org:low; marsh
1354-S	LHA1	35	0.3	2	10	45	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; str situs:alvl; alluvium; marsh vegetation
1355-S	LHA1	36	0.5	2	11	50	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; str situs:alvl; alluvium; marsh vegetation
1356-S	LHA1	35	0.4	2	10	50	Au < .1	Str wdth:3-6; av str dpth:1-2; in flood: no; size:silt; org:low; str situs:alvl; flat river shore; marsh vegetation
1361-S	LCD1	65	0.7	1	6	84		Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand/silt; org:low; str situs: alvl; bedrock of diorite with epidote and minor chalcopyrite along thin quartz veins

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1362-R	LCD1	28	0.6	1	4	48	Sn < .02%	Type:chip; float; diorite with epidote, chalcopyrite and calcite vug fillings; pegmatite veins
1363-S	LCD1	54	0.5	1	2	30		Str wdth:1-3; av str dpth:½-1; in flood: no; size:sand; org:low; str situs:glcl; glacial material transported by ice-marginal drainage; bedrock of diorite cut by pegmatite veins; some pyrite noted
1364-S	LCD1	39	0.6	1	8	30		Str wdth:15-25; av str dpth: 2; in flood:no; size:silt; org:low; str situs:alvl; diorite and granodiorite bedrock; pegmatite and quartz veins; little sulfides
1365-R	LCD1	76	0.7	1	14	46		Type:grab; rubble crop; diorite; pegmatite veins; epidote; disseminated pyrite
1366-R	LCD1	8800	1.6	3600	16	16		Type:grab; float; granodiorite with large quartz veins; sample is from a vein that has pyrite and galena; some pyrite and azurite noticed along fractures in other rocks
1367-R	LCD1	870	1.4	38	16	60		Type:chip; rubble crop; diorite with visible disseminated pyrite, azurite and traces of bornite; no veins visible
1368-S	LCD1	Sample lost in shipment.						Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand; org:low; str situs:alvl; granodiorite; some epidote and chalcopyrite; diorite; no sulfides
1369-S	LCD1	42	0.4	3	8	28		Str wdth:6-10; av str dpth:½-1; in flood: no; size:silt; org:low; str situs:glcl; granodiorite and diorite; no apparent sulfides; float angular and broken, somewhat weathered
1370-S	LCD1	32	0.4	1	8	18		Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str situs:alvl; bedrock primarily diorite; surfaces of float show epidote and pyrite; float is from a medial moraine

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1371-R	LCD1	110	1.3	7	14	40	Mn 820 Sn <.02% W <.005% Fe 80,000 V 170	Type:grab; float; highly altered and mineralized boulder; most rock in the area is diorite; this sample is from a medial moraine; much of the float in the area has pyrite; sample has pyrite and galena
1372-R	LCD1	680	1.0	1400	8	44	Mn 750 Fe 31,000	Type:grab; float; hi graded; large rock (granodiorite) with surface covered with galena and some chalcopyrite; sample collected on medial moraine
1373-S	LCD1	35	0.5	3	8	22		Str wdth:6-10; av str dpth:0-½; in flood: no; size:sand; org:med; str situs:alvl; diorite bedrock; some float shows evidence of alteration
1374-S	LCD1	34	0.7	3	14	32		Str wdth:10-15; av str dpth:½-1; in flood:yes; size:sand; org:low; str situs: alvl; granite; somewhat weathered
1375-S	LCD1	11	0.8	3	30	58		Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand; org:low; str situs: alvl; granodiorite bedrock; no indications of mineralization
1376-S	LCA3	30	1.0	1	23	89	As < 10	Str wdth:1-3; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl; float of 75% green to purple andesite porphyry, and 25% volcanic breccia, mostly andesite with phenocrysts of plagioclase; less than 1% iron-stained andesite(?) with 1 to 3% disseminated pyrite
1377-S	LCA3	109	1.0	3	53	165	As < 10	Str wdth:1-3; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl/ bedrock; bedrock of fine-grained granodiorite; float of 90% silicious metasediments with 1 to 3% pyrite, and 10% granodiorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1378-S	LCA3	21	0.6	1	29	93	As < 10	Str wdth:3-6; av str dpth:½-1; in flood: no; size:silt; org:low; str situs:alvl; float of volcanic agglomerate, meta-sediments, and minor granodiorite; less than 1% pyrite in volcanics
1379-S	LCA3	32	0.6	1	25	95	As < 10	Str wdth:1-3; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl; float of mostly dacite and andesite porphyry, also granodiorite; volcanics contain less than 0.5% pyrite
1380-D	LCA3	15	0.4	1	14	45		Dpth:4; hor:B/C; size:silt/clay; moist: dry; color:brown; soil situs:clvl/talus; org:low; frozen:no; float of 100% barren, medium-grained granite
1388-R	LHB1	8	0.3	1	28	156	Au < .1	Type:chip; rubble crop; bedrock of siltstone-claystone; moderate brown iron oxide, strong black manganese coatings on all fractures; less than 1% pyrite in veinlets
1389-R	LHB1	38	1.8	4	12	8	Au < .1	Type:grab; rubble crop; bedrock of light gray claystone-chert; strong argillic and pyrite alteration; 2 to 5% crystal-line disseminated pyrite; brownish-red iron oxide
1390-R	LHB1	8	0.3	6	6	48	Au < .1	Type:chip; bedrock; bedrock of strong quartz-sericite(?) altered argillite (?); less than 8% patchy fine-grained pyrite; dark brown iron oxide weathering
1391-R	LHB1	31	1.0	3	14	92	Au < .1	Type:grab; rubble crop; conglomerate bedrock- igneous and sedimentary rock cobbles; minor chlorite; weak manganese
1392-R	LHB1	17	0.5	1	18	100	Au < .1	Type:chip; bedrock; bedrock of andesite porphyry(?); strong rehealed fractures with bleaching along edges; strong chloritization; some brecciation; trace of pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1458-R	LHB1	8	0.9	3	12	74	Au <.1	Type:chip; bedrock; hi graded; bedrock of andesite porphyry(?); strong epidote-chlorite alteration; 25-foot chip along face of strong brown iron oxide and yellow sulfur-stained outcrop; 2 to 5% pyrite along veins
1459-D	LHB1	110	1.5	19	620	660		Dpth:2; hor:C; size:sand/silt; moist:med; color:brown; soil situs:talus; org:low; frozen:no; float of 100% quartz-monzonite porphyry, less than 10% having strong quartz-sericite-pyrite alteration; pervasive yellow-brown iron oxide
1460-R	LHB1	546	3.9	6	16	850	Au <.1	Type:chip; bedrock; hi graded; latite porphyry or quartz-monzonite porphyry; chip of high grade vein-fracture with 5% pyrite, less than 0.5% chalcopyrite, and a trace of sphalerite(?); immediate host is unmineralized
1461-R	LHB1	17	<.1	9	6	38	Au <.1	Type:chip; bedrock; weakly sericitized porphyritic quartz monzonite; traces of disseminated specularite
1462-R	LHB1	41	0.3	6	20	100	Au <.1	Type:chip; bedrock; weakly chloritized quartz monzonite; moderate brown iron oxide with traces of veinlet and disseminated pyrite
1463-R	LHB1	96	1.5	38	62	48	Au <.1	Type:chip; bedrock; hi graded; chips of several three to four-inch vein-sulfide gossans; may have contained 20 to 30% sulfide, nearly all pyrite; surrounding rock is strongly quartz-sericite altered with 3 to 5% pyrite; strong brown and reddish-brown iron oxide; no copper oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1464-R	LHB1	21	0.7	10	30	120	Au <.1	Type:chip; bedrock; porphyritic quartz-monzonite with less than 1% disseminated pyrite and less than 1% disseminated specularite; weak chlorite; weak light brown iron oxide; float is all strongly iron stained, with pyrite; no signs of copper
1465-R	LHB1	190	3.2	1	800	12,000	Au <.1 Mn 18,000 *	Type:chip; bedrock; granitic(?) bedrock; strongly fractured and rehealed with manganese and hematite; weathers black; silicious, slightly chloritc, with traces of galena, spahlerite, chalco-pyrite and malachite; minor carbonate
1466-S	LHB1	60	1.4	2	850	1200	Au <.1	Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand/silt; org:low; str situs: alvl/bedrock; float of 75% granite and 25% diorite; minor rock like 1465
1467-R	LHB1	69	2.9	4	100	4800	Au <.1 U 13	Type:chip; bedrock; same rock as 1465; five-foot chip; non-high graded; stock-work fracturing with arsenopyrite(?), sphalerite(?), and traces of galena and silver(?)
1468-R	LHB1	94	5.6	7	1050	2200	Au <.1	Type:chip; bedrock; moderate stockwork; specular hematite veins (less than 1/16 inch) in quartz monzonite(?); silicious, slightly carbonate; strong manganese; galena(?); mineralization related to north-south(?) shear
1469-S	TYB8	12	0.2	2	12	64	Au <.1	Str wdth: 25; av str dpth: 2; in flood: no; size:silt; org:med; str situs:alvl; bedrock of glacial till, volcanics, and metasediments
1476-D	TYB8	56	0.6	1	31	162	Au <.1	Dpth:6; hor:B; size:clay; moist:med; color:brown; soil situs:alvl; org:med; frozen:no; float of metasediments and volcanics (porphyres, aplite)

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1477-D	TYB8	33	0.3	1	20	76	Au <.1	Dpth:6; hor:C; moist:med; color:brown; size:clay; soil situs:alvl/talus; org: med; frozen:no; float of metasediments and volcanics
1478-D	TYB8	17	0.2	1	18	112	Au <.1 Sn <10 W 7	Dpth:6; hor:C; size:sand; moist:med; color:brown; soil situs:alvl; org:low; frozen:no; float of pink granite sand with minor volcanic gravels
1479-D	TYB8	11	0.1	4	20	148	Au <.1 Sn 15 W 8	Dpth:6; hor:C; size:sand; moist:dry; color:brown; soil situs:alvl; org:low; frozen:no; float of granite (same as 1478)
1480-S	TYB8	20	0.3	3	22	132	Au <.1 Sn 10 W 10	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float of pink granite with minor volcanics
1481-S	LHB1	15	0.2	1	16	74	Au <.1 Sn <10 W 7	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float of pink granite, basalt, and volcanic porphyries
1482-S	LHB1	20	0.2	1	15	92	Au <.1 Sn <10 W 7	Str wdth:3-6; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float of granite, granite porphyry with pink orthoclase, hornblende and biotite, and various volcanic melaphyres
1483-S	LHB1	12	0.3	1	18	88	Au <.1 Sn <10 W 8	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:med; str situs:alvl; granite float
1484-S	TYB8	17	0.2	1	21	114	Au <.1 Sn <10 W 8	Str wdth:6-10; av str dpth:1-2; in flood: no; size:sand; org:low; str situs:alvl; float of pink granite and volcanics
1485-S	TYB8	21	0.2	1	31	116	Au <.1 Sn 10 W 7	Float of porphyritic pink granite and volcanics

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1486-R	XLCR	930	23.0	19	4500	6400	Au <.1	Type:grab; rubble crop; hi graded; bedrock of quartz monzonite-granite; arsenopyrite, pyrite, galena in quartz adjacent to shear zone
1521-R	LHB1	48	2.4	2	182	900	Au <.1	Type:chip; bedrock; bedrock or dark green, fine-grained granular intrusive rock or dike rock with minor hematite veins, less than 1% pyrite; slightly heavier than normal
1522-D	LHB1	120	1.4	18	200	480		Dpth:3; hor:C; size:sand/silt; moist: med; color:brown; soil situs:talus; org: low; frozen:no; float of dark finely crystalline diorite(?) with less than 1% disseminated pyrite and yellow-brown iron oxide
1523-D	LHB1	54	1.0	9	390	460		Dpth:3; hor:C; size:sand; moist:med; color:brown; soil situs:talus; org:low; frozen:no; float of porphyritic quartz monzonite with weak yellow-brown iron oxide; some with stronger iron oxide and 1 to 2% disseminated pyrite
1524-S	LHB1	34	1.2	8	310	480		Str wdth:3-6; av str dpth:0-½; in flood: no; size:sand; org:low; str situs: bedrock; bedrock of barren porphyritic quartz monzonite; float of 80% quartz monzonite and 20% granite porphyry
1525-D	LHB1	15	0.6	2	48	124		Dpth:2; hor:C; size:silt; moist:med; color:brown; soil situs:clvl/talus; org:low; frozen:no; quartz monzonite float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1534-R	LHB1	42	1.9	5	1680	1880	Au -.1 Cd 130	Type:chip; bedrock; bedrock of strongly chloritized porphyritic quartz monzonite (?); weak to strong hematite; translucent yellow brown sphalerite; strong manganese stain; minor epidote and pyrite; ten-foot random chip; slightly high graded; 3% lead, 1% zinc
1535-R	LHB1	8	0.6	2	380	450	Au -.1 Cd 3	Type:chip; bedrock; bedrock of pinkish-white, intensely fractured felsic(?) intrusive; almost brecciated; silicious with clay-filled fractures; traces of hematite; random chip of ten feet
1536-R	LHB1	46	1.0	2	760	800	Au -.1 Cd 4	Type:chip bedrock; bedrock of strongly sheared and fractured dark green rock; weak dendritic manganese; traces of galena and chalcopyrite; chip of six feet- random
1537-R	LHB1	16	0.4	5	17	124	Au -.1 Cd 1	Type:chip bedrock; bedrock of silicified and slightly bleached quartz monzonite (?); 3 to 5% disseminated pyrite; strong brown iron oxide stain on outcrop
1543-R	LHB1	2	-.1	1	13	44	Au -.1	Type:grab; bedrock; bedrock and float of rhyolite porphyry leached of minor sulfides, probably pyrite
1544-S	LHB1	3	0.1	1	9	52	Au -.1	Str wdth: 25; av str dpth:dry; in flood: no; size:grvl/sand/silt; org:low; str situs:alvl; about ½ mile distant is bedrock, presumeably granite porphyry; float of barren granite porphyry

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1545-S	LHB1	8	0.2	2	12	86	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand/silt; org:high; str situs: alvl; no bedrock for ½ mile; float of granite and intermediate dike rock
1546-S	LHB1	11	0.1	1	10	64	Au -.1	Str wdth:1-3; av str dpth:dry; in flood: no; size:grvl/sand/silt; org:high; str situs:alvl; bedrock is probably barren granite; float is barren granite
1547-R	LHB1	3	-.1	1	6	68	Au -.1	Type:grab; bedrock; bedrock of barren granite porphyry (migmatite?); float full of so-called xenoliths
1548-S	LCA3	15	0.6	29	14	54	Au -.1	Str wdth: 25; av str dpth:0-½; in flood: no; size:sand/silt; org:high; str situs: alvl; bedrock looks like barren granite from a distance; float is barren granite
1549-D	LCA3	34	0.8	8	45	125	Au -.1	Bedrock of barren granite probably overlain by volcanics, or cut by big dike; float of granite and volcanics- trachelite; sample of talus fines
1550-S	LCA3	13	0.5	2	10	81	Au -.1	Str wdth:10-15; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock maybe granite capped by volcanics; float mainly volcanics-some granite
1577-D	LHB1	110	0.5	4	22	148	Au -.1 Se 64 Sn -.0025%	Hor:C; size:sand; moist:med; color: brown; soil situs:talus; org:low; frozen: no; bedrock and float of rhyolite and feldspathic(?) quartz; trace of pyrite; minor epidote alteration; composite sample from 4900-foot contour; talus fines
1578-D	LHB1	250	0.8	11	139	340	Au -.1 Se 80 Sn -.0025%	Hor:C; size:sand; moist:med; color: brown; soil situs:alvl/talus; org:low; frozen:no; bedrock and float of rhyolite and rhyolite porphyry; trace of pyrite; fines from upper end of dry wash (gourge)

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1579-R	LHB1	130	0.8	4	16	42	Au 3.5 Cd 1 Se 82 Sn -.0025%	Type:grab; float; hi graded; rhyolite bedrock; decomposed rhyolite with small cavities- may represent leached-disseminated sphalerite
1580-D	LCA3	26	0.4	1	33	160	Au -.1 As -5 Sn -10 W 3	Hor:C; size:clay; moist:med; color: brown; soil situs:talus; org:low; frozen:no; bedrock of hornblende, chlorite, and magnetite; float of granodiorite (or albitized granite); chlorite and sericite alteration
1581-R	LCA3	110	3.9	74	33	205	Au -.1 As 15 Sn -.01% W -.005% spectro	Type:grab; rubble crop; hi graded; highly iron-stained granodiorite with thin zones of disseminated pyrite and arsenopyrite and magnetite; one piece had thin coating of magnetite with galena and bornite(?); sericite, chlorite, and epidote alteration
1582-S	LCA3	82	1.5	23	146	680	Au -.1 As -5 Sn -10 W 7	Str wdth:1-3; av str dpth:0-½; in flood: no; size:grvl; org:low; str situs:alvl; bedrock of granodiorite with hornblende, chlorite or biotite, magnetite, and minor pyrite; chlorite, epidote, and sericite alteration
1583-D	LCA3	43	0.9	4	33	100	Au -.1 As -5 Sn -10 W 5	Dpth:6; hor:C; size:clay; moist:med; color:brown; soil situs:alvl; org:low; frozen:no; granodiorite bedrock, same as 1582
1584-S	LCA3	35	0.3	1	22	68	Au -.1 As -10 Sn -10 W -2	Str wdth:1-3; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl; bedrock of pink granite, mirolithic texture, with possible thin interbedded silicified dolomite and other metasediments; epidote and sericite alteration
1585-S	LCA3	58	0.6	4	50	72	Au -.1 As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:0-½; in flood: no; size:silt; org:low; str situs:alvl; bedrock of silicified dolomite(?) and other metasediments above and near pink granite; minor arsenopyrite and pyrite; epidote and sericite alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1586-S	LCA3	19	0.4	1	20	70	Au -.1 As -10 Sn -10 W -2	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str situs:alvl; bedrock of metasediments, including arkose, argillite, silicified dolomite, and greywacke, with interbedded volcanics; epidote alteration
1587-S	LCA3	36	0.6	1	46	86	Au -.1 As -10 Sn -10, W 3	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand/clay; org:low; str situs: alvl; metasediments and volcanics
1588-R	LHB1	18	0.4	14	78	450	Au -.1 Cd 2	Type:chip; bedrock; five-foot chip in trench rhyolite with kaolin and pyrite stringers; strongly sheared and fractured; superficial kaolin due to oxidation of pyrite; moderate dendritic manganese oxide
1589-R	LHB1	10	0.7	3	110	200	Au -.1 Cd 1	Type:chip; bedrock; bedrock of porphyritic quartz monzonite mixed with dark fine-grained propylitized intrusive(?); 1 to 3% coarse-grained pyrite along weak fractures; weak light brown iron oxide
1590-R	LHB1	14	0.2	3	56	110	Au -.1	Type:grab; rubble crop; bedrock of propylitic altered dike, perhaps propylitic dacite; greenish with weak brown iron oxide; cuts granite porphyry; grab across 15 feet
1591-R	LHB1	9	-.1	2	8	68	Au -.1	Type:chip; bedrock; chip of five-foot shear zone cutting quartz monzonite(?) with moderate kaolin and hematite fracture filling; no sulfides
1592-D	LHB1	68	6.5	6	10,600	27,000	Au -.1 Se 105 Sn -.0025%	Dpth:10; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl/clvl; org:low; frozen:no; brown to red soil covering propylitized dike (strong chlorite-silica); dike runs 5 to 7% galena; does soil concentrate or leach?

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1593-R	LHB1	97	5.2	6	6100	3200	Au -.1 Cd 12 Se 110 Sn 0.0117&	Type:chip; rubble crop; bedrock of fine-grained, strongly propylitized diorite(?); moderate manganese oxide and iron oxide stain; weak stringer and disseminated specularite; 850 feet west of 1592
1594-R	LHB1	34	5.8	6	14,600	30,000	Au -.1 Cd 93 Se 82 Sn -.0025%	Type:chip; bedrock; 20-inch chip-channel across fault gouge; porphyritic rhyolite- propylitized dike(?) contact; strong hematite-kaolin; 5% galena on one side, barren rhyolite on the other; same site as 1592 in additional four feet
1595-R	LHB1	67	3.0	8	1060	15,600	Au -.1 Se 64 Sn -.0025%	Type:chip; bedrock; propylitized (chlorite-epidote) porphyritic rhyolite; strong shearing with kaolin and hematite; traces of pyrite-pyrrhotite, chalco-pyrite and galena; chip in 20-foot trench, across northerly shear
1596-R	LCA3	30	0.6	13	19	45	Au -.1 spectro	Type:chip; float; dacite and andesite; dark gray with 1 to 2% disseminated pyrite and strong brown iron oxide; weak disseminated magnetite
1597-S	LCA3	16	0.8	1	14	46	As -10	Str wdth:1-3; av str dpth:dry; in flood: no; size:silt; org:low; str situs:clvl/alvl; float of 75% granite and 25% andesite with less than 1% pyrite and weak brown iron oxide
1598-D	LCA3	43	0.7	7	15	41	As -10	Dpth:2; hor:C; size:sand/silt; moist: dry; color:brown; soil situs:talus; org: low; frozen:no; bedrock of gabbro porphyry; float of andesite with 5% pyrite, strong brown iron oxide and moderate sericite alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1599-D	LCA3	31	0.7	1	22	104	As -10	Dpth:2; hor:C; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of 75% granite and 25% andesite-andesite porphyry, some with 1 to 2% pyrite and moderate brown iron oxide
1600-S	LCA3	18	0.7	1	17	63	As -10	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand/silt; org:med; str situs: alvl; float of 50% granite and 50% andesite and andesite breccia; volcanics have 1 to 2% pyrite
1601-D	LCA3	66	0.9	3	25	75	Au -.1 W 5	Dpth:3; hor:B; size:sand; moist:med; color:brown/black; soil situs:talus; org:low; frozen:no; float of tactite (banded skarn of magnetite-dolomite-garnet-amphibole); also some olivene basalt
1602-S	LCA3	880	1.7	7	50	860	Au -.1 As 60	Str wdth:3-6; av str dpth:½-1; in flood: no; size:grvl/sand; org:low; str situs: alvl/bedrock; Kasna Creek; bedrock of dark banded finely crystalline limestone; N12E near vertical; with 1% disseminated pyrite; above most prominent chalco-pyrite in stream; float is nearly all limestone
1603-S	LCA3	79	1.1	2	40	110	As 65	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str siuts:alvl; float of 50 to 75% dark propylitized mafic volcanic with 1 to 3% disseminated pyrite-pyrrhotite; 25% diorite; 10% of float is strongly iron-stained; possible extension of Kasna Creek

duplicate on map

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1604-S duplicate on map	LCA3	35	0.9	1	54	110		Str wdth:1-3; av str dpth:½-1; in flood: no; size:silt; org:med; str situs:alvl/ bedrock; bedrock and float of fine to medium-grained diorite with weak propylitic alteration and rare traces of chalcopyrite
1605-S	LCA3	31	0.8	1	48	98		Str wdth:1-3; av str dpth:dry; in flood: no; size:silt; org:low; str situs:alvl; float of 95% quartz diorte and 5% basalt; no iron oxide
1606-D	LCA3	170	1.5	1	57	121	As 20	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:talus; org:low; frozen:no; float of basalt and porphyritic andesite
1607-R	LCA3	19	0.1	5	30	86	Au -.1 spectro	Type:chip; float; float of 90% fine-grained granite, some with moderate quartz-sericite alteration, and 10% andesite dike; some hematite slicks
1608-D	LCA3	87	0.6	1	26	80	As 10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:clvl; org:med; frozen:no; float of 50% granite with weak quartz-sericite alteration and 50% andesite and mafic volcanics with 1 to 3% disseminated pyrite
1609-D	LCA3	15	0.3	2	14	74	As -10	Dpth:3; hor:B/C; size:sand; moist:med; color:brown; soil situs:talus; org:low; frozen:no; float of 95% andesite and dacite porphyries with less than 1% disseminated pyrite, and less than 5% rhyolite dike or felsite; weak chloritization

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1610-S	LCA3	18	0.7	5	16	64	As -10	Str wdth:1-3; av str dpth:0-½; in flood: no; size:clay; org:low; str situs:alvl; float of undifferentiated volcanics, rhyolite to andesite; less than 1% with 1% pyrite
1611-D	LCA3	98	0.7	1	18	52		Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org: low; frozen:no; float of 90% fine-grained diorite and 10% silicious arkose(?)
1612-S	LCA3	66	0.4	3	20	42	As -10	Str wdth:1-3; av str dpth:0-½; in flood: no; size:sand/silt; org:med; str situs: alvl; float of 75% fine-grained diorite and 25% andesite
1613-S	LCA3	58	0.5	3	16	52	As -10	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand/silt; org:low; str situs: alvl; float of diorite, granite and intrusive breccia; also andesites with chloritic alteration; less than 1% of float has orange-brown iron oxide but no sulfides
1614-S	LCA3	75	0.5	1	20	56		Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand/silt; org:low; str situs: alvl/bedrock; bedrock of granodiorite and diorite; float of 50% granodiorite, 25% diorite and 25% greenstone with less than 1% disseminated pyrite
1615-S	LCA3	50	0.4	1	15	54	As -10	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand/silt; org:low; str situs: clvl/alvl; float of 75% undifferentiated volcanics and 25% dacite porphyry

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1616-S	LCA3	64	0.5	1	20	66	As -10	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand/silt; org:low; str situs: alvl; float of 50% diorite-granodiorite and 50% volcanics (andesites to rhyolite); weak epidote in intrusives; weak pyrite in extrusives
1617-S	LCA3	37	0.7	4	14	88	Au -.1	Str wdth: 25; av str dpth:dry; in flood: no; size:grvl/sand; org:low; str situs: alvl; bedrock and float of barren volcanics
1618-D	LCA3	19	0.9	2	17	60	Au -.1	Bedrock and float of barren granite; sample of talus fines on granite bedrock
1619-R	LCA3	10	0.5	48	24	78	Au -.1	Type:chip; bedrock; barren sheared granite bedrock and float; some float occasionally leached of minor pyrite
1620-S	LCA3	45	0.6	1	18	60	Au -.1	Str wdth:3-6; av str dpth:½-1; in flood: no; size:grvl/sand; org:low; str situs: alvl; barren gabbro bedrock; float of barren gabbro with one cobble of diorite with pyrrhotite-chalcopyrite (see 1621)
1621-R	LCA3	740	0.3	8	8	20	Au -.1 spectro	Type:grab; float; barren granite bedrock; float of barren gabbro plus one piece of diorite with less than 10% disseminated pyrrhotite and less than 1% chalcopyrite; grade of copper is about 0.1 to 0.15%
1622-R	LCA3	64	0.8	7	60	106	Au -.1	Type:grab; float; gabbro bedrock; float of gabbro-granite breccia(?) with pyrite and pyrrhotite; no sign of any other metals; if no precious metals, forget it
1623-S	LCA3	33	0.6	2	30	74	Au -.1	Str wdth:10-15; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str siuts:alvl; barren granite bedrock and float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1624-S	LCA3	51	0.8	2	18	58	Au -.1	Str wdth: 25; av str dpth:0-½; in flood: no; size:grvl/sand/silt; org:low; str situs:alvl; bedrock probably granite; float of granite plus gabbro
1625-R	LCA3	16	0.1	3	10	26	Au -.1	Type:grab; bedrock; barren granite bedrock float of barren granite and barren gabbro
1636-R	LHB1 (NE¼)	49	0.4	4	23	168	Au -.1 Cd 3	Type:chip; bedrock; iron-stained, sericitized granodiorite with a trace of pyrite
1637-R	LHB1 (NE¼)	150	1.3	46	112	840	Au -.1 Cd 1	Type:chip; rubble crop; vein(?) material; intense manganese and iron-stained quartz-rich granodiorite with minor pyrite and vuggy quartz
1638-D	LHB1 (NE¼)	110	0.6	6	74	114	Au -.1 Cd 1	Dpth:2; hor:B; size:sand/silt/clay; moist:med; color:brown; soil situs: alvl; org:med; frozen:no; float of fine-grained granodiorite
1639-R	LCA3	35	2.3	15	660	208	Au -.1 spectro	Type:grab; float; hi graded; iron-stained talus from below (same) outcrop; pyrite-bearing quartz monzonite; chloritized; epidotized; minor shearing and silica remobilization; trace of chalcopyrite
1640-R	LCA3	51	27.7	19	470	1040	Au -.1 spectro	Type:chip; bedrock; hi graded; iron-stained portion of outcrop; deuterically altered monzonite with up to 8% pyrite
1641-R	LCA3	200	1.8	9	930	630	Au -.1	Type:grab; float; quartz veins from gabbro in monaine; minor pyrite blebs and a trace of disseminated chalcopyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1642-R	LCA3	42	9.6	12,000	105	480	Au -.1 spectro	Type:chip; bedrock; hi graded; shear complex in monzonite; small veinlets and pods of quartz and pyrite and fine-grained gray sulfide(?)- metallic luster, sulfide smell
1643-D	LCA3	150	1.0	1	37	115	Au -.1 As -5	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; soil from both decomposed monzonite and epidotized metasiltstone on fault
1644-S	LCA3	49	0.4	3	28	74	Au -.1 As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; same as 1587; metased-iments and volcanics
1645-S	LCA3	97	0.4	5	18	50	Au -.1 As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; diorite, metasediments and volcanics
1646-S	LCA3	32	0.2	2	14	58	Au -.1 As -10 Sn -10, W 10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; metasediments and volcanics
1647-R	LCA3	440	1.1	3	35	161	Au -.1 As -10 Sn -.01% W -.005% spectro	Type:grab; bedrock; hi graded; bedrock of silicified calcareous argillite; pyrite, arsenopyrite and a trace of chalcopyrite; epidote alteration; skarns formed adjacent to small rhyolite dike
1648-S	LCA3	63	0.4	3	18	106	Au -.1 As -10 Sn -10 W 7	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock of quartz monzonite, pyritiferous monzonite; float of metasediments and volcanics (andesite porphyry, etc.); epidote, sericite and chlorite alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1649-S	LCA3	55	0.2	1	16	80	Au -.1 As -10 Sn -10 W 6	Str wdth:6-10; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; bedrock of metasediments, quartz monzonite, monzonite; andesite porphyry, and rhyolite
1650-S	LCA3	26	0.3	1	18	103	Au -.1 As -10 Sn -10 W 6	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; bedrock of metasediments and quartz monzonite; epidote alteration; sample chains large fault
1651-D	LCA3	30	0.3	2	17	134	Au -.1 As -10 W 6 Sn -10	Size:sand; moist:dry; color:brown; soil situs:talus; org:med; frozen: no; bedrock of quartz monzonite and metasediments; ice top fines with organics; only fines available
1652-S	LCA3	25	0.2	1	34	106	Au -.1 As -10 W 6 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; bedrock of quartz monzonite and metasediments; sample drains large fault
1653-R	LCA3	53	0.2	1	14	75	Au -.1 As -10 W -.005% Sn -.01%	Type:grab; rubble crop; hi graded; bedrock of diorite and pink granite (?); sample is fine-grained light-colored "quartzite-like" dike rock with disseminated pyrite; looks brecciated in places, in others looks like altered diorite
1654-S	LCA3	48	0.2	4	53	77	Au -.1 As -10 W 10 Sn -10	Str wdth: 1; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; bedrock of granite, diorite, fine-grained pyritiferous and non-pyritiferous intrusives, minor gabbro; epidote and sericite alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1655-S	LCA3	44	0.1	1	54	99	Au -.1 As -10 W 8 Sn -10	Str wdth:3-6; av str dpth:½-1; in flood:no size:sand/silt; org:low; str situs:alvl; diorite, granite, and intrusive volcanics; epidote alteration
1656-S	LCA3	16	-.1	4	6	48	Au -.1 W 9 Sn 100	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; zonolithic granite with diorite; epidote-quartz alteration
1657-D	LHB1 (NE¼)	65	1.2	5	65	280	Au -.1 Cd 1	Dpth:2; hor:B; size:sand/silt/clay; moist:med; color:orange; soil situs: rsdl; org:low; frozen:no; soil developed on top of ridge among monzonite rubble crop; 1% pyrite in monzonite
1658-R	LHB1 (NE¼)	25	1.1	2	40	200	Au -.1 Cd 1	Type:chip; bedrock; hi graded; bedrock of andesite flow breccia with epidote-chlorite; local intense limonite and pyrite up to 8%; sample in iron-stained outcrop
1659-R	LHB1 (NE¼)	11	1.3	20	57	142	Au -.1 Cd -1	Type:grab; float; float of iron-stained porphyritic andesite from talus cone; pyrite-bearing, epidotized, chloritized andesite
1660-R	LHB1 (NE¼)	40	1.0	3	25	210	Au -.1 Cd 1	Type:chip; bedrock; bedrock of chloritized, epidotized andesite and breccia with minor pyrite, iron and manganese stain and dark gray fine-grained pyrite-bearing rock (xenolith?)

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1661-R	LHB1 (NE¼)	26	0.2	2	35	96	Au -.1 Cd -1	Type:grab; rubble crop; float; float of sericitized, iron-stained grano-diorite
1663-S	LCA3	53	0.3	-1	10	50		Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl/bedrock; float of diorite to granite; less than 10% andesite
1664-S	LCA3	71	0.5	1	12	50		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:med; str situs:alvl; float of 50% diorite and 50% metavolcanics
1665-S	LCA3	17	-.1	1	9	53		Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; float of 90% granite and less than 10% mafic volcanics
1666-S	LCA3	100	0.1	1	15	55		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl/bedrock; float of 50% fine-grained diorite, 50% dark metavolcanics, and less than 2% brown, iron oxide-stained and slightly sheared porphyritic volcanics
1667-S	LCA3	29	0.2	-1	12	55		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl/bedrock; float of 90% granite, 5% diorite and 5% volcanics
1668-S	LCA3	19	0.2	1	12	40		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl/bedrock; granite bedrock and float; iron stain shear visible ¼ mile upstream

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1669-R	LCA3	11,000	9.7	480	28	190	Au -.1 spectro	Type:chip; bedrock; random chip of 50 square feet brown, iron-stained silicious metasediments and conglomerate with 1 to 3% pyrite in veins and disseminations
1670-R	LCA3	1100	11.2	3	180	680	Au -.1 spectro	Type:chip; bedrock; hi graded; bedrock of dark silicious fine-grained metasediment(?) with strong epidote-quartz-magnetite-chalcopyrite veins near contact with overlying porphyritic andesite(?) flow breccia (less than two-inch clasts); chip of high grade veins; 0.5% copper veins diminish three feet from contact
1671-D	LCA3	18	0.2	2	20	90	As -10 spectro	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of volcanic flows and flow breccias; rhyolite to andesite; 10% of float is yellow to brown iron-stained with 1 to 3% disseminated pyrite
1672-S	LCA3	21	0.5	2	18	64	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:clvl/bedrock; float of intermediate porphyritic volcanics; less than 5% volcanic breccia; less than 5% weak brown iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1673-S	LCA3	26	0.4	1	12	44	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; 50% intermediate volcanics and 50% porphyritic quartz monzonite
1674-S	LCA3	26	0.4	1	14	42	As -10	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; bedrock and float of 98% quartz-monzonite porphyry with weak disseminated magnetite
1675-S	LCA3	24	0.4	2	17	44		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; bedrock of andesite- dark green mixed with quartz monzonite; float mostly quartz monzonite
1676-S	LCA3	25	0.6	1	11	35		Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt; org:low; str siuts:clvl; float of 90% quartz monzonite and 10% intermediate volcanics
1677-S	LCA3	64	0.5	1	12	55	As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:silt; org:low; str situs:bedrock; bedrock of dark, fine-grained tonalite, almost schistose; moderately silicious with quartz veinlets; 1 to 3% of float is moderately brown iron-stained with 1% pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1678-S	LCA3	58	0.6	1	14	81	As -10	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:med; str situs:bedrock; bedrock of intermediate volcanics, brecciated in places; minor patches of pyrite with iron oxide
1679-S	LCA3	121	0.7	1	12	86	As -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:bedrock; bedrock of intensely quartz-sericite-pyrite altered volcanic(?); 10 to 20% pyrite; strong brown iron oxide; float of granite, metasediments, volcanic breccia (andesite)
1680-S	LCA3	86	0.6	1	11	93	As -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:bedrock; bedrock of dark, fine-grained schist; strongly contorted; moderate quartz; patches of strong quartz-chlorite-pyrite alteration; granite float
1681-S	LCA3	990	1.1	2	46	220	As -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:bedrock; bedrock of chloritic schist-gneiss, porphyritic in places
1682-R	LCA3	4180	8.1	20	82	4180	Au -.1 spectro	Type:chip; bedrock; hi graded; bedrock of intensely pyrite-quartz-sericite-chlorite altered schist; typical value of strong iron-stained patches in 20% pyrite; moderate magnetite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1683-S	LCA3	55	0.6	1	11	75	As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; float of quartz monzonite, volcanics and granite; less than 1% with quartz-sericite-pyrite alteration; two-foot massive coarse chalcopyrite-pyrite-pyrrhotite boulder may have come down this stream or main stream; 3 to 5% copper
1684-S	LCA3	36	0.3	-1	8	46		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; float of 75% schist and gneiss, and 25% chloritic volcanics(?)
1685-S	LCA3	22	0.1	-1	8	29	Au -.1 W 9 Sn -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:silt; bedrock of zeno-lithic granite or diorite; epidote-quartz alteration
1686-S	LCA3	19	-.1	-1	6	46	Au -.1 W 6 Sn -10	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str situs: alvl/bedrock; bedrock of zenolithic hornblende granite with diorite; epidote alteration
1687-S	LCA3	14	-.1	-1	6	44	Au -.1 W 6 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low: str situs:alvl; bedrock of granite and diorite; epidote and chlorite altera-tion

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1688-S	LCA3	15	0.1	1	6	51	Au -.1 W 6 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; float of biotite horn-blende leucogranite; trace of pyrite-quartz in one piece; epidote altera-tion, slight chloritization
1689-S	LCA3	14	0.1	-1	6	37	Au -.1 W 7 Sn -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of biotite horn-blende leucogranite; minor andesite porphyry; epidote alteration
1690-S	LCA3	28	0.2	-1	9	57	Au -.1 W 8 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:med/low; str situs:alvl; granite
1691-S	LCA3	45	0.1	1	8	114	Au -.1 As -10 W 6 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl; bedrock of multiple migmatite breccia of gabbro to diorite to quartz diorite to granite(?) to quartz-epidote veins
1692-R	LCA3	143	0.2	35	8	671	Au -.1 As -10 W -.005% Sn -.01% spectro	Type:grab; rubble crop; hi graded; bedrpcl pf ,og,atote (altered diorite, quartz diorite, granodiorite, granite, metasediments); trace of pyrite, possible chalcopyrite in quartz of granodiorite migmatite; epidote alteration
1693-S	LCA3	28	0.3	1	11	40	Au -.1 As -10 W 7 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:med; str situs:alvl; bedrock same as 1691

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1694-S	LCA3	29	0.1	1	10	40	Au -.1 As -10 W 8 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; migmatite (diorite, quartz diorite, granodiorite, metasediments)
1695-S	LCA3	36	0.1	1	9	51	Au -.1 As -10 W 6 Sn -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of diorite, gabbro, granodiorite, quartz diorite, migmatite, metasediments; epidote alteration
1696-S	LCA3	90	0.1	1	21	93	Au -.1 As -10 W 10 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float mostly leucogranite-granodiorite, diorite, gabbro, trace of metasediments; rare iron-stained quartz with pyrite
1697-S	LCA3	40	0.3	1	44	103	Au -.1 As -10 Sn 10	Str wdth:3-6; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; float same as 1696
1698-S	LCA3	23	0.1	1	21	70	Au -.1 As -10 W 10 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of basalt, dark migmatite (breccia), sericitized syenite, diorite; epidote and sericite alteration
1699-S	LCA3	418	0.5	1	12	231	As -10	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; float of schist, silicious metasediments, gneiss, minor volcanic (dacite?) porphyry

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1700-S	LCA3	80	0.2	3	12	77		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:med; str situs:bedrock; bedrock of fine-grained, slightly chloritic altered diorite; occasional dacite porphyry dikes; brecciated in places
1701-S	LCA3	52	0.1	-1	7	84	As -10	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:clvl/alvl; float of diorite, granite and volcanics
1702-S	LCA3	71	0.3	1	11	88	As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl/bedrock; bedrock of fine-grained cloritic diorite
1703-S	LCA2	48	0.5	4	13	42		Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl; float of 100% fine to medium-grained diorite
1704-D	LCA2	18	0.3	1	8	28		Dpth:3; hor:B/C; size:silt; moist: med; color:brown; soil situs:rsdl/ talus; org:low; frozen:no; float of 100% quartz diorite
1705-D	LCA3	52	0.5	2	12	50		Dpth:4; hor:B/C; size:sand; moist: dry; color:brown; soil situs:rsdl/ talus; org:med; frozen:no; quartz diorite, unaltered
1706-D	LCA3	25	0.5	1	10	34		Dpth:3; hor:B/C; size:silt; moist: dry; color:brown; soil situs:rsdl/ talus; org:med; frozen:no; quartz diorite float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1707-S	LCA3	43	0.7	16	18	74	As -5	Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt/clay; org:med; str situs:alvl; float of 90% quartz diorite and 10% trap-gabbro with 1 to 2% disseminated and veinlet pyrite; stream has abundant orange iron precipitate
1708-S	LCA3	40	0.8	5	15	53	As -5	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 75% felsite (rhyolite) with strong quartz-sericite-pyrite alteration; 2 to 4% pyrite; 25% fine-grained metadiorite almost schistose; minor gabbro with magnetite
1709-D	LCA3	55	1.2	2	20	72	As 20	Dpth:10; hor:B; size:silt; moist:med; color:brown; soil situs:clvl; org:med; frozen:no; float of greenstone and metasediments(?)
1710-D	LCA3	10	0.4	2	16	39	As 10	Dpth:6; hor:B; size:silt; moist:med; color:yellow/orange/brown; soil situs: clvl; org:med; frozen:no; no rocks exposed
1711-S	LCA3	73	1.1	9	44	620	As 55	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl/bedrock; float of 80% rhyolite and rhyolite breccia with 5 to 10% disseminated and fracture-filled pyrite; 20% schistose, fine-grained dark metadiorite(?)
1712-R	LCA3	33	0.7	4	13	77	Au -.1 spectro	Type:chip; bedrock; chips of contact-fault of coarse boulder conglomerate with dark, fine, silicious volcanic; strong iron oxide and gossan, yellow and brown; 50 feet wide and 1000 feet long?

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1713-R	LCA2	81	0.4	1	9	65	Au -.1 W -.005%	Type:chip; bedrock; mechanically decomposed quartz-biotite-diorite to granodiorite; joint shear
1714-S	LCA2	37	0.2	-1	5	26	Au -.1 W -.005%	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:glcl; float of 90% monzonite to diorite; biotite-quartz-feldspar schists and gneiss; pegmatite to aplite, 5%
1715-R	LCA2	15	0.1	1	2	21	Au -.1 As -10	Type:chip; bedrock; bedrock has one-foot quartz vein in diorite
1716-R	LCA2	4400	15.7	2	160	130	Au -.1 As 390 spectro	Type:chip; bedrock; iron-stained area in diorite (shear zone?); sericitized, silicified diorite with silica and minor carbonate bands; chalcopyrite and chalcocite?; hematite on shear surfaces
1717-S	LCA2	79	0.7	2	10	54	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; bedrock of medium to fine-grained quartz diorite; float of medium-grained diorite
1718-R	LCA2	67	0.8	1	10	57	Au -.1	Type:grab; float; talus cone and lateral moraine of gabbro (medium-grained) with 2% pyrite
1719-R	LCA2	44	0.4	1	8	60	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:glcl; float of diorite and gabbro
1720-S	LCA2	23	0.5	-1	8	59	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl/clvl; bedrock and float of diorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1721-R	LCA2	16	0.1	1	2	16	Au -.1	Type:chip; bedrock; two-foot wide quartz bleb in creek bed
1722-S	LCB2	17	0.4	-1	5	37	Au -.1	Str wdth:15-25; av str dpth:½-1; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:glcl; bedrock and float of granodiorite to quartz diorite
1723-S	LCB2	18	0.5	1	7	47	Au -.1	Str wdth:15-25; av str dpth:½-1; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:glcl; granodiorite bedrock; float of diorite, granodiorite and gabbro with minor volcanics and andesite
1724-S	LCB2	46	0.7	1	13	63	Au -.1	Str wdth:10-15; av str dpth:0-½; in flood:no; org:low; str situs:glcl; float of basalt, gabbro, quartz diorite and granodiorite
1725-R	LCB2	64	1.7	1	49	56	Au -.1 As -10 spectro	Type:chip; bedrock; six-inch wide shear in epidote-chlorite-diorite shear is silicified, has clay gouge in disseminated pyrite
1726-R	LCA3	24	0.5	20	14	230	Au -.1 spectro	Type:chip; float; chip of 10 cobbles of andesite and dacite porphyry talus; all had traces to 1% disseminated pyrite; some showed weak schistocity; columnar jointing visible on cliff
1727-S	LCA2	41	0.4	1	10	65		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:glcl; float of 90% diorite and diorite gneiss; also hornblende schist; minor diorite with iron oxide and carbonate veins

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1728-S	LCA2	23	0.7	1	18	56		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:glcl/bedrock; bedrock of gneissic granodiorite; float of diorite and granodiorite
1729-S	LCA2	22	0.7	2	21	69		Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; bedrock of silicious, coarse, porphyritic granodiorite; weak iron oxide
1730-R	LCA2	16	0.3	16	8	31	Au -.1	Type:chip; rubble crop; fine-grained felsite; weak to moderate quartz-sericite alteration; light brown iron oxide
1731-R	LCA2	190	1.0	2	10	45	Au -.1	Type:chip; rubble crop; bedrock and float of porphyritic rhyolite with less than 1/8-inch quartz phenocrysts; 1 to 2% disseminated pyrite; brown pervasive iron oxide
1732-R	LCA2	140	1.3	13	16	68	Au -.1 spectro	Type:chip; rubble crop; rhyolite float; strong quartz-sericite alteration with 1 to 3% pyrite; also strong gossan veins of limonite after pyrite
1733-R	LCA2	30	0.8	8	17	71	Au -.1	Type:chip; float; diorite float with weak brown iron oxide; less than 1% pyrite
1734-S	LCA2	30	0.7	1	9	37		Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:glcl; float of granodiorite, diorite and gabbro with minor bull quartz and pegmatite veins, rarely with traces of malachite and chalcopyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1735-S	LCA2	28	0.2	1	6	31		Str wdth:3-6; av str dpth:0-½; in flood:yes; size:sand/silt; org:low; str situs:glcl; float of 95% coarse-grained granodiorite; minor chloritization along weak bull quartz or pegmatite veins less than six inches; 5% basalt dike; weak iron oxide-pyrite on granodiorite boulders
1736-S	LCA2	17	0.3	-1	4	31		Float of 90% coarse-grained, unaltered granodiorite, and 10% mafic dike rock
1737-R	LCA2	16	2.7	-1	41	105	Au -.1 spectro	Type:chip; bedrock; hi graded; three-foot fault contact; strong brown iron oxide; intense clay alteration of granodiorite; N50W50N; migmatite on northwest
1738-S	LCA2	24	0.4	2	5	47		Str wdth:3-6; av str dpth:0-½; in flood:yes; size:silt; org:low; str situs:glcl; gloat of granodiorite and dark fine-grained diorite(?)
1739-S	LCA2	14	0.3	-1	4	23		Str wdth:3-6; av str dpth:0-½; in flood:yes; size:sand/silt; org:low; str situs:glcl; float of 100% quartz-rich, unaltered granodiorite
1740-S	LCA2	39	0.3	2	10	55		Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:clvl/alvl; float of medium-grained granodiorite with xenoliths of fresh, unmineralized diorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1741-S	LCA2	21	0.1	-1	6	36		Str wdth:1-3; av str dpth:0-½; in flood:yes; size:sand/silt; org:low; str situs:glcl; float same as 1740
1742-S	LCA2	21	0.1	1	9	34		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:clvl/alvl; granodiorite
1743-S	LCA2	9	-.1	1	4	24		Str wdth:3-6; av str dpth:½-1; in flood:no; size:silt; org:low; str situs:alvl/bedrock; float of 100% unaltered granodiorite
1744-D	LCA3	63	0.8	3	20	44		Dpth:3; hor:B/C; size:sand/silt; moist:med; color:brown; soil situs: talus; org:low; frozen:no; float of fresh, unmineralized, medium-grained diorite
1745-S	LCA3	36	0.9	3	17	46	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; float of 50% intense quartz-pyrite (felsite or altered diorite) with 3 to 8% pyrite and strong brown iron oxide, and 50% fresh diorite
1746-S	LCA3	35	0.7	3	23	80	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; float of undifferentiated volcanics inter-bedded with sediments (mostly silt-stone and chert); pyrite up to 5% in all rocks; weak to strong brown iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1747-S	LCA3	25	0.8	1	13	44	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:silt; org:low; str situs:alvl/bedrock; bedrock of porphyritic dacite(?); float of undifferentiated volcanics with interbedded sediments; all with 1 to 5% pyrite
1748-S	LCA3	33	1.1	6	26	78	As 10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl/bedrock; float of rhyolites or felsites with 5% pyrite; also undifferentiated volcanics and sediments
1749-S	LCA3	30	1.6	7	43	52	As 80	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of 50 to 75% pyritized metasediments and less than 25% volcanics with strong pyrite-quartz-sericite and iron oxide
1750-R	LCA3	37	1.4	4	14	82	Au -.1 spectro	Type:chip; float; float of intermediate volcanics with interbedded silicious sediments with 1 to 5% disseminated pyrite and pyrite along veinlets; pervasive light brown iron oxide
1751-R	LCA3	26	0.4	1	16	155	Au -.1 As -5	Type:grab; float; talus of mechanically, extremely well-fractured andesite and monzonite in a fault zone
1752-S	LCA3	16	0.4	1	38	140	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:med; str situs:glcl; float of propyllized monzonite, gabbro, andesite, metasiltstone, and shale

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1753-S	LCA3	17	0.3	1	27	85	Au -.1 As -5	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; creek drains fault zone in monzonite and andesite
1754-S	LCA3	105	0.8	2	21	92	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:clvl; float of andesite, metasediments and monzonite
1755-D	LCA3	260	0.8	1	18	57	Au -.1	Dpth:2; hor:B; size:sand/silt/clay; moist:med; color:brown; soil situs: talus; org:high; frozen:no; float of diorite and metasediments
1756-S	LCA3	38	0.7	3	52	78	Au -.1	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: med; str situs:clvl; monzonite float
1757-S	LCA3	81	0.8	4	62	107	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:clvl; float of diorite, monzonite, andesite breccia and metasediments
1758-S	LCA3	45	0.7	1	34	97	Au -.1	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:clvl; float of monzonite, diorite, metasediments and andesite
1759-S	LCA3	34	0.4	1	29	67	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:clvl; float same as 1758
1760-R	LCA3	600	0.7	4	10	22	Au -.1 As 20 spectro	Type:grab; float; bull quartz vein float from moraine; minor calcium carbonate and pyrite; quartz veins from metasiltstone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1761-R	LCA3	17	0.2	3	16	82	Au -.1 As 130 spectro	Type:grab; float; float of andesite flow agglomerate with angular and rounded fragments, metsiltstone, metasandstone, chert, quartz, volcanics; sample from moraine
1762-R	LCA3	170	1.1	3	18	34	Au -.1 As 600	Type:chip; bedrock; chips from quartz veins (nearly vertical trending roughly north-south); veins are from ½ to 8 inches, approximately 20 within 50 feet in metasandstone
1763-R	LCA3	120	1.4	2	16	98	Au -.1 As 10 spectro	Type:grab; float; float of metasiltstone, metasandstone; iron stained; contains very fine disseminated pyrite and minor chalcopyrite
1764-S	LCA3	130	0.6	1	30	108	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:glcl; float of metasediments and andesite and latite volcanic agglomerates
1765-R	LCA3	26	0.2	7	30	22	Au -.1	Type:chip; bedrock; pod of iron-stained granodiorite; moderate sericite (sulfides? have been leached)
1766-S	LCA3	105	0.4	27	66	82	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of biotite quartz monzonite to granodiorite and basalt
1767-R	LCA3	44	0.1	5	14	10	Au -.1 spectro	Type:grab; float; iron-stained granite; disseminated pyrite up to 15%

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1768-R	LCA3	29	1.0	1	20	0.004%	Au -.1	Type:grab; float; one-inch square talus chips in granodiorite talus just below outcrop; sphalerite occurs on fracture planes that have epidote and chlorite
1769-S	LCB2	250	3.0	57	44	104	Au -.1 As -10 Sn -10 W 7 spectro	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; diorite-quartz diorite cut by pyritic rhyolite and gabbro and all(?) cut by small pegmatite dikes; iron oxide
1770-R	LCB2							Type:grab; float; bull quartz float; trace of biotite; trace of sericite with pyrite; float scattered along valley
1771-S	LCB2	73	0.9	1	10	54	Au -.1 As -10 Sn -10 W 5	Str wdth:1-3(tributary of valley stream); av str dpth:½-1; in flood: no; size:sand/silt; org:low; str situs:alvl; diorite, quartz diorite, rhyolite, gabbro and pegmatite; much white film (of very fine glacial fock flour?) on rocks in creek bed
1772-S	LCB2	22	0.6	-1	12	36	Au -.1 As -10 Sn -10 W 4	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; diorite-quartz diorite bedrock
1773-S	LCA2	50	1.0	1	22	88	Au -.1 As -10 Sn -10 W 7	Str wdth:6-10; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock of diorite, quartz diorite and gabbro; epidote alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1774-S	LCA2	220	0.7	12	20	~~108~~	Au -.1 As -10 Sn -10 W 2	Str wdth: 1; av str dpth:dry; in flood: no; size:sand; org:med; str situs:alvl; float of syenodiorite(?) with magnetite and epidote; biotite diorite
1775-S	LCA2	130	0.9	5	27	112	Au -.1 As -10 Sn -10 W 5	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; diorite, quartz diorite and gabbro; trace of carbonate rock; minor rhyolite(?) with pyrite and possible chalcopyrite; epidote alteration
1776-S	LCA2	46	0.6	13	14	64	Au -.1 As 20 Sn -10 W 6 spectro	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; diorite and quartz diorite; sample taken at extreme end of talus sope in damp drainage channel which empties into old dry beaver pond; rock and alluvium in vicinity highly iron-stained (or organic-stained) from water
1777-S	LCB2	360	2.3	52	34	112	Au -.1 As -10 Sn -10, W 8 spectro	Diorite and quartz diorite cut by rhyolite and gabbro (both with pyrite), all cut by small pegmatite dikes; epidote alteration; iron oxide
1778-S	LCA2	110	1.2	16	29	116	Au 0.1 As 10 Sn 20 W 7 spectro	Str wdth:1-3; av str dpth:½-1; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock of limestone with quartz, hornblende and biotite; float of limestone and quartz diorite, gabbro and basalt; disseminated chalcopyrite or pyrite or magnetite; chlorite to mafic alteration in limestone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1779-S	LCA2	96	2.0	17	32	126	Au 0.4 spectro, As 40 Sn -10, W 8	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; same as 1778
1780-R	LCA2	35	1.4	7	34	22	Au -.1 As -10 Sn -.0025% spectro, W -.0025%	Type:grab; float; bull quartz lenses and stringers intrusive into limestone; trace of pyrite and arsenopyrite
1781-S	LCA3	81	0.7	11	22	54	Au -.1	Str wdth:10-15; av str dpth:½-1; in flood:no; size:grvl/sand; org:low; str situs:alvl; gabbro and granite float
1782-S	LCA3	57	0.4	1	20	44	Au -.1	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:bedrock; bedrock of barren gabbro; float of barren gabbro and barren granite
1783-S	LCA3	64	0.5	2	22	58	Au -.1	Str wdth:15-25; av str dpth:1-2; in flood:no; size:grvl/sand/silt; org: low; str situs:bedrock; bedrock of barren gabbro; float of barren gabbro and barren volcanics or dike rocks
1784-S	LCA3	52	0.5	3	16	66	Au -.1	Str wdth:10-15; av str dpth:1-2; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; no bedrock seen-probably gabbro upcreek; float of granite, diorite, gabbro, volcanics and/or dikes
1785-S	LCA3	31	0.3	2	16	58	Au -.1	Str wdth: 25; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; granite cut by mafic dikes; some granite with disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1786-R	LCA3	430	1.7	16	6	16	Au -.1 spectro	Type:chip; bedrock; sericite-quartz rock sandwiched between fine-grained chloritized dike; dike strikes N75E, dips 50SE; sheared quartz veins-veinlets up to 1½ inches wide in dike leached of sulfides carry copper oxide; sampled 30-foot footwall rock; contains copper oxide within 12 inches of dike; some pyrite-pyrrhotite visible buy mainly leached; sericite-hydromica coarse-grained as in tin veins (no tin here); this is not an ore body
1787-R	LCA3	25	0.3	2	10	72	Au -.1	Type:chip; bedrock; barren diorite showing lineation of mafics; may be meta-andesite; rock contains bands of amphibolite which may represent meta-basalt dikes; this is all academic, since rocks are barren
1788-R	LCA3	200	0.6	7	10	84	Au -.1 As -10 spectro	Type:grab; float; metasediments with patchy pyrite-pyrrhotite; trace of chalcopyrite on one piece; float same plus diorite (meta-andesite?)
1789-S	LCA3	50	0.3	1	10	54	Au -.1 As -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: high; str situs:alvl; same as 1788
1790-S	LCA3	130	0.7	1	12	76	Au -.1 As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; nearest outcrop is a ten-foot square patch of meta-volcanic or metasedimentary rock, largely coarsely crystallized amphibolite; crystals to four inches long; barren; float is same, plus metasediments

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1791-S	LCA3	15	0.2	1	8	36	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; quartz-biotite gabbro bedrock; float of quartz-biotite gabbro and quartz-hornblende diorite
1792-S	LCA3	26	0.2	1	12	40	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of quartz-biotite gabbro
1793-S	LCA3	43	0.2	1	12	44	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:clvl; float of quartz-chlorite-biotite gabbro
1794-R	LCA3	16	0.2	2	8	70	Au -.1	Type:grab; float; float of diorite and minor metasandstone and alaskite
1795-S	LCA3	26	0.4	1	10	70	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; float of diorite and minor metasediments
1796-S	LCA3	30	0.7	2	22	114	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:clvl; medium-grained biotite diorite bedrock; float of pyrite-bearing metasandstone, metasiltstone and medium to fine-grained diorite
1797-S	LCA3	41	0.6	1	12	55	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; float of diorite to granodiorite and gabbro
1798-S	LCA3	47	0.5	1	13	49	Au -.1	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; granite bedrock; float of diorite, gabbro and basalt

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1799-S	LCA3	24	0.4	1	11	40	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float primarily biotite-chlorite-hornblende-quartz diorite and minor gabbro
1800-R	LCA3	18	0.4	12	10	34	Au -.1 spectro	Type:grab; rubble crop; strongly sericitized and iron-stained (fractured and disseminated) metasandstone (?)
1801-S	LCA3	45	0.4	1	10	60	Au -.1 As -10	Str wdth:6-10; av str dpth:1-2; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; bedrock and float of metavolcanics
1802-S	LCA3	240	0.7	3	22	200	Au -.1 As -10	Str wdth:6-10; av str dpth:1-2; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock of metasediments leached of minor sulfides; float like bedrock plus metavolcanics
1803-S	LCA3	41	0.3	1	10	64	Au -.1	Str wdth:6-10; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock of metavolcanics (lineated diorite); float of barren volcanics
1804-S	LCA3	41	0.3	1	8	50	Au -.1 As -10	Str wdth: 25; av str dpth:½-1; in flood: no; size:grvl/sand/silt; org:low; str situs:alvl; bedrock and float of metasediments and metavolcanics; no outcrops in jungly stream bottom
1805-S	LCA3	39	0.2	1	8	50	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock not visible; float of granite, metasediments and metavolcanics

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1806-S	LCA3	20	0.1	1	23	55	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt/clay; org: low; str situs:alvl; bedrock is diorite to north, gabbro to south; float of diorite and gabbro
1807-S	LCA3	14	0.4	-1	9	20	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock is gabbro upstream, volcanic agglomerate downstream; float of gabbro and diorite
1808-S	LCA3	25	0.5	-1	14	44	Au -.1	Str wdth:1-3; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; no bedrock for ½ mile- probably diorite or gabbro; float of hybrid granitic rock and gabbro
1809-R	LCA3	23	0.1	1			Au -.1 Sn -.01% spectro	Type:grab; float; odd, fine-grained, somewhat miarolytic hybrid(?) granite; leached of minor sulfides (pyrite?); contains fine-grained disseminated black metallic mineral; representative sample of about 600 feet of outcrop, although sample is of float
1810-S	LCA3	20	0.4	-1	24	66	Au -.1	Str wdth:3-6; av str dpth:1-2; in flood:no; hybrid(?) granite bedrock; float of gabbro, diorite and granite
1811-S	LCA3	35	0.6	-1	23	172	Au -.1	Str wdth:3-6; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; hybrid(?) granite about ½ mile distant is bedrock; float of gabbro, granite, diorite and greenstones

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1812-S	LCA4	12	0.4	-1	9	24	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; bedrock of hybrid(?) granite; float of hybrid(?) granite, gabbro with a trace of pyrite, grano-diorite and greenstones
1813-R	LCA4	209	0.4	2	13	22	Au -.1 spectro	Type:grab; float; greenstones- no bedding seen; minor, erratic pyrite and pyrrhotite
1814-S	LCA2	46	0.8	9	26	62	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; bedrock probably barren granite; float of barren granite
1815-S	LCA2	51	0.3	2	9	28	Au -.1	Str wdth:10-15; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; barren granite bedrock and float
1816-S	LCA2	68	0.7	6	16	70	Au -.1	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; barren granite bedrock and float
1817-S	LCA2	57	0.6	4	8	46	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; bedrock not seen; float of barren granite, diorite and gabbro
1818-S	LCA2	23	0.2	-1	4	16	Au -.1	Str wdth:15-25; av str dpth: 2; in flood:no; size:sand; org:low; str situs:alvl; bedrock not seen; barren granite float; sediment sample taken on east bank of river of sediment probably brought over from west bank on snow or ice bridge; river almost dammed by alluvium from west side

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1819-S	LCA2	32	0.9	1	29	78	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; bedrock not seen; float of barren granite
1820-S	LCA2	12	0.4	1	11	48	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock not seen; barren granite float
1821-RS	LCA4	71	0.5	2	14	75	Au -.1	Str wdth: 1; av str dpth:dry; in flood: no; size:grvl/sand; org:med; str situs: glcl; float of diorite cobbles and smaller fragments of volcanic breccia (latite to trachyte); sample in stream bed
1822-S	LCA4	40	0.5	1	13	59	Au -.1	Str wdth: 1; av str dpth:dry; in flood: no; size:grvl/sand/silt; org:high; str situs:alvl; granite float
1823-S	LCA4	35	0.8	2	31	74	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:med; str situs:alvl; float of granite, diorite breccia with gabbro
1824-S R on map	LCA4	24	0.6	2	20	77	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:med; str situs:alvl; float of diorite and latitie to trachyte
1825-S	LCA4	34	0.7	3	29	94	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alvl; diorite float
1826-S	LCA4	31	0.6	3	21	76	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:alvl; float of diorite, granite to quartz monzonite, and volcanic breccia

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1827-R	LCA4	43	0.7	2	33	89	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:alvl; float of monzonite, basalt andesite breccia
1828-S	LCA4	12	0.3	1	13	40	Au -.1	Str wdth: 1; av str dpth:dry; in flood: no; size:grvl/sand; org:med; str situs: alvl; float of quartz monzonite to granite, diorite breccia with fine-grained gabbroic (?) xenoliths, andesite, and latite
1829-S	LCA4	22	0.5	3	18	86	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:alvl; float of monzonite and basalt; sample taken in stream drainage
1830-R	LCA4	14	0.2	4	10	32	Au -.1	Type:chip; bedrock; bedrock of pyrite-bearing quartz-monzonite; iron-stained
1831-S	LCA2	20	0.2	-1	5	31	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:med; str situs:glcl; float of float of chlorite-biotite grano-diorite(?) (may be diorite); xeno-lithic; has aplite to pegmatite dikes
1832-S	LCA2	37	0.3	1	9	48	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; chlorite(after hornblende)-biotite-quartz diorite; xenolithic; has minor pegmatite-aplite dikes
1833-S	LCA2	35	0.4	1	10	43	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; same as 1832

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1834-S	LCA2	38	0.4	1	13	61	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; same as 1832
1835-S	LCA3	35	0.4	1	10	51	Au -.1	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; same as 1832
1837-S	LCB2	140	1.0	12	11	50		Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt/clay; org:low; str situs:glcl; float of 50% hornblende diorite with 1% pyrite, 50% silica-altered diorite with 3 to 5% pyrite in fracture coating or disseminations; weak light brown iron oxide on 10% of float
1838-S	LCB2	62	0.8	3	22	66		Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:glcl/bedrock; same as 1837
1839-S	LCB2	41	1.3	2	17	54	Ni 49	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:glcl; float of 60% diorite, 40% gabbro with magnetite and pyrrhotite; diorite has weak chlorite, epidote, and less than 1% pyrite
1840-S	LCB2	35	0.8	1	13	62		Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:glcl; float of weak chloritic-altered diorite to grano-diorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1841-S	LCB2	93	1.0	6	9	50	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:glcl; float of diorite with occasional quartz-pyrite vein
1842-S	LCB2	81	1.1	2	56	138		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of 90% coarse-grained granodiorite with weak pervasive light brown iron oxide; very silicious
1844-D	LCB2	220	1.0	3	23	76		Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:glcl; org:low; frozen:no; float of 75% medium-grained, slightly chloritized granite, and 25% diorite; traces of chalcopyrite and malachite in quartz veins greater than one inch cutting granite
1845-D	LCB2	500	1.0	16	28	70		Dpth:1; hor:B; size:sand; moist:med; color:brown; soil situs:glcl; org:low; frozen:no; 100% granite with rare bull quartz vein with trace of chalcopyrite and malachite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1847-S	LCB2	13	0.7	1	9	26	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:bedrock; bedrock of dacite porphyry; light brown; barren, weakly fractured, shallow intrusive
1848-S	LCB3	16	0.5	2	28	80	As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:clvl/alvl; float of intermediate porphyritic volcanics with possible interbedded sediments
1849-D	LCB3	51	1.0	2	44	108	As -10	Dpth:12; hor:B; size:silt; moist:med; color:brown; soil situs:clvl; org: med; frozen:no; no bedrock or float
1850-S	LCB3	75	0.8	2	32	96		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:clvl/alvl; float of 75% medium-grained diorite and 25% porphyritic volcanics
1851-S	LCB3	95	0.7	1	19	59		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:high; str situs:alvl; float of 90% weakly chloritized diorite and 10% volcanics
1852-S	LCB3	200	0.8	2	20	80	As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of andesite and dacite, some with quartz-filled amygdules
1853-S	LCB3	31	0.4	1	12	32	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:low; str situs: alvl/bedrock; diorite bedrock; float of 50% diorite and 50% intermediate volcanics, some with epidote and calcite veins

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1854-S	LCA2	30	0.2	1	8	12	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of aplite-chlorite-biotite granodiorite to quartz monzonite
1855-S	LCA2	47	0.3	2	8	32	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:glcl; bedrock and float of chlorite-biotite granodiorite
1856-D	LCA2	94	0.7	7	16	44	Au -.1	Dpth:10; hor:B; size:sand/silt; moist: med; color:brown; soil situs:alvl; org:med; frozen:no; from talus slope of diorite to monzonite hillside
1857-R	LCA2	66	0.5	1	13	62	Au -.1	Type:grab; float; talus cone of chlorite-biotite-quartz diorite to granodiorite
1858-S	LCB2	24	0.4	1	8	28	Au -.1	Str wdth:10-15; av str dpth:½-1; in flood:no; size:grvl.sand;silt; org: low; str situs:glcl; float of biotite-quartz diorite to granodiorite, basalt, hornblende diorite, and andesite
1859-R	LCB2	160	1.3	58	20	60	Au -.1	Type:grab; float; hi graded; iron-stained chlorite float from ridge above sample; pyrite locally strong; minor silicification
1860-S	LCB2	25	0.4	1	8	28	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:grcl; float of diorite and basalt

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1861-R	LCB2							Type:chip; bedrock; samples from two veins (intersecting below ice); one vein is three inches wide, and the other about one foot wide; veins are iron-stained and silicious hornblende-quartz diorite to granodiorite
1862-R	LCB2	73	2.0	3	16	52	Au -.1 W -.0025% Sn -.0025%	Type:grab; float; hi graded; float of epidote-quartz-hornblende diorite with disseminated pyrite and occasional blebs of massive pyrite and malachite (?); from medial moraine
1863-S	LCB2	26	0.6	2	12	36	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of biotite-hornblende-quartz diorite to grano-diorite, including float from 1862
1864-S	LCB2	23	0.6	2	16	56	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:clvl; epidote-chlorite-quartz-diorite float
1865-S	LCB2	180	2.5	7	92	100	Au -.1	STr wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:clvl; float of biotite-mafic(?)-quartz diorite to grano-diorite
1866-R	LCB2	55	11.3	2	136	48	Au 0.1 spectro	Type:chip; bedrock; bedrock of quartz diorite to granodiorite; moderate sericite; iron oxides
1867-S	LCB2	65	1.2	1	33	100	Au 0.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alvl; float of quartz diorite to granodiorite, some iron-stained and sericitized

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1868-S	LCB3	12	0.3	4	13	74	Au -.1	Str wdth: 1; av str dpth:0-½; in flood: no; size:grvl/sand/silt/clay; org:high; str situs:clvl; float of diorite
1869-S	LCB3	16	0.4	9	16	64	Au -.1	Str wdth:6-10; av str dpth:dry; in flood:no; size:grvl/sand; org:med; str situs:alvl; float of diorite (5% iron-stained), with minor basalt
1870-S	LCB3	26	0.6	7	24	84	Au -.1	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:clvl; hornblende-quartz diorite to granodiorite float
1871-S	LCB3	17	0.4	3	44	134	Au -.1	Str wdth:3-6; av str dpth:dry; in flood:no; size:grvl/sand; org:med; str situs:clvl; float of 85% diorite and 15% basalt and andesite
1872-S	LCB3	15	0.5	5	15	106	Au -.1	Str wdth: 1; av str dpth:dry; in flood: no; size:grvl/sand; org:high; str situs:clvl; float of 85% diorite and 15% basalt
1873-R	LCB3	380	1.3	6	19	54	Au -.1 spectro	Type:grab; float; float of hornblende-quartz diorite with epidote, chlorite and malachite on fractures and a trace of chalcopyrite
1874-R	LCB3	11	0.3	3	13	70	Au -.1	Type:grab; float; float of iron-stained hornblende-quartz monzonite
1875-R	LCA3	36	0.6	2	33	86	Au -.1	Type:chip; bedrock; bedrock of monzonite with ¼-inch quartz veins
1876-R	LCA3	27	0.9	5	40	82	Au -.1 W -.005% spectro	Type:chip; bedrock; one to three-foot wide shear zone in monzonite; minor orthoclase veinlets within monzonite in shear; orange-colored shear dirt

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1877-R	LCA3	21	1.0	7	14	54	Au -.1 As 10 spectro	Type:grab; float; approximate medial moraine of glacier; iron-stained float of andesite to latite(?) flow breccia with finely disseminated and small massive pyrite and minor malachite primarily in matrix but also in breccia fragments; up to 20% pyrite
1878-R	LCA3	90	1.1	9	12	44	Au -.1 spectro, As -10	Type:chip; bedrock; bedrock of basalt(?) with up to 5% pyrite
1879-S	LCA3	46	0.7	20	25	150	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:high; str situs:alvl; float of andesite, latite, rhyolite, basalt(?), and minor biotite granodiorite
1880-S	LCA3	47	1.3	9	70	340	Au -.1 As -10	Str wdth:3-6; av str dpth:0-½'; in flood:no; size:grvl/sand/silt; org: high; str situs:alvl; rhyolite, andesite, basalt and latite agglomerate and breccia common; minor feldspar granite
1881-S	LCA3	51	0.9	6	116	360	Au -.1 As 140	Str wdth: 1; av str dpth:dry; in flood: no; size:grvl/sand; org:high; str situs: clvl; float of latite to quartz latite, basalt, porphyritic andesite, biotite diorite and granite
1882-S	LCA3	17	0.5	3	32	164	Au -.1 As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float of 50% granite, 35% pyroxene diorite (to gabbro?), and 15% rhyolite, andesite and basalt

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1883-S	LCB3	250	0.7	7	20	60	As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 50% diorite, 40% volcanics, and 10% felsite with 1% disseminated pyrite, strong silica, and weak sericite
1884-R	LCA3	14	0.4	3	16	32	Au -.1 spectro	Type:chip; float; float of rhyolite and rhyolite breccia with less than 1% pyrite; sparse angular fragments up to six inches of andesite(?); weak iron oxide
1885-S	LCB3	22	0.6	2	20	56	As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:sand; org:low; str situs:glcl/alvl; float of 70% diorite-granodiorite, and 30% intermediate volcanics and agglomerates; minor argillites; some diorite is weakly altered with pyrite and chlorite and iron oxide
1886-S	LCB3	23	0.5	2	24	52		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:glcl/alvl; float of 75% granodiorite and 25% volcanics and agglomerate; minor silicious intermediate intrusives with 1 to 2% pyrite and moderate brown iron oxide
1887-R	LCB3	12	0.6	3	40	76	Au -.1 spectro	Type:chip; rubble crop; felsic to intermediate volcanic and volcanic breccia with strong limonite after pyrite; about 3 to 5% pyrite; strong quartz-sericite alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1888-D	LCB3	25	0.7	2	16	32		Dpth:3; hor:B; size:clay; moist:med; color:brown; soil situs:talus; org: low; frozen:no; float is 100% medium-grained, unaltered granodiorite
1889-R	LCB3	69	1.0	5	20	84	Au -.1	Black shale bedrock; N20E vertical; less than 1% pyrite on fractures; weak brown iron oxide
1890-D	LCA2	6	0.5	2	15	34		Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:clvl/talus; org:low; frozen:no; float of 100% coarse-grained barren granite
1891-S	LCA2	150	0.7	4	11	62		Str wdth:1-3; av str dpth:dry; in flood:no; size:silt; org:med; str situs:alvl; granite float
1892-D	LCA2	51	1.0	5	9	56		Dpth:3; hor:B; size:silt; moist:med; color:brown/black; soil situs:clvl/ talus; org:med; frozen:no; float of granodiorite-diorite, fine-grained and slightly schistose with 1 to 2% disseminated pyrite-pyrrhotite
1893-S	LCA2	40	0.6	18	59	68		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; diorite float; weak propylitization; 1 to 2% disseminated pyrite
1894-S	LCA2	270	0.7	1	16	98		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; float of 100% coarse-grained fresh granite
1895-S	LCA2	24	0.6	6	12	80		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:clvl/alvl; float of 75% grano-diorite and 25% andesite porphyry

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1896-D	LCA2	15	0.6	1	10	28		Dpth:8; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl/talus; frozen:no; float of 100% unaltered, coarse-grained granite
1897-S	LCA2	48	0.6	1	27	44		Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:glcl/alvl; float of 90% granite and granodiorite and 10% felsite of chay-pyrite-quartz-sericite altered granite (no mafics); 1 to 3% disseminated pyrite and iron oxide
1898-S	LCA2	15	0.6	2	7	96		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:med; str situs:clvl/alvl; granodiorite float
1899-D	LCA2	85	0.5	1	6	46		Dpth:10; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl/ talus; org:high; frozen:no; float of diorite and diorite gneiss; weak chloritic alteration
1900-D	LCA2	18	0.3	1	5	38		Dpth:2; hor:B; size:sand; moist:med; color:brown; soil situs:talus; org: low; frozen:no; float of 75% granite and 25% granodiorite; minor calcium carbonate veining with brown iron oxide up to six inches wide
1901-S	LCA2	7	0.4	-1	7	40		Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 75% granite and 25% granodiorite, 10% with weak brown iron oxide and some calcium carbonate

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1902-D	LCA2	21	0.4	1	9	36		Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org: med; frozen:no; granite float
1903-D	LCA2	12	0.5	1	7	32		Dpth:6; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl/talus; org:med; frozen:no; granite float
1904-S	LCA2	81	0.6	-1	7	64		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:glcl; float of fine and medium-grained diorite with minor gabbro
1905-S	LCA2	130	1.3	15	31	118	Au -.1 As 10 W 6 Sn 10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; float of limestone, quartz, quartz diorite, gabbro, with pyrite-chalcopyrite; malachite in quartz; quartz-sericite, chlorite and epidote alteration
1906-S	LCA2	25	0.5	34	30	94	Au -.1 As 10 W 7 Sn 30 spectro	Str wdth:3-6; av str dpth:½-1; in flood:no; size:grvl/sand; org:low; str situs:alvl; float of diorite and quargz diorite with thin veins and specks of carbonate; quartz monzonite with pink feldspar; some limestone; some limonite staining; no sulfides observed
1907-S	LCA2	20	0.4	1	5	32	Au -.1 As -10 W 6 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:med; str situs:alvl; float of very fine quartz, black sand (magnetite), feldspar, etc. (diorite sand); sample in flood plain of Currant Creek (may not be representative) in flowing clear water from mountains

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1908-S	LCA2	18	0.3	10	11	46	Au -.1 As -10 W 5, Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of quartz monzonite, diorite and gabbro
1909-S	LCA4	16	0.6	1	20	78	Au -.1 As -10 W 5 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of low-rank meta-sediments and quartzite, metaconglomerate, black slate, and felsic and mafic volcanic porphyries
1910-D	LCA4	24	0.7	1	10	48	Au -.1 As -10 W 6 Sn -10	Dpth:6; hor:B; size:clay; moist:med; color:red/brown; soil situs:alvl; org: high; frozen:no; no bedrock or float seen- same as 1909?
1911-S	LCA4	58	0.7	3	27	90	Au -.1 As 10 W 7 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float same as 1909; some phyllitic metasediments; trace carbonate vein; fewer volcanics
1912-S	LCA4	24	0.4	1	9	70	Au -.1 As -10 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:med; str situs:alvl; float of metasediments, including black shale, quartzite, argillite, marble, fine schists and rude phyllite; minor volcanics and basalt
1913-S	LCA4	16	0.5	1	9	46	Au -.1 As -10 W 5 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:med; str situs:alvl; bedrock and float of pyritiferous gabbro, calcite schist, phyllite slate

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1914-S	LCA4	52	0.6	2	14	78	Au -.1 As -10 W 5 Sn -10	Str wdth:-1; av str dpth:0-½; in flood: no; size:sand/silt; org:med; str situs: alvl; float same as 1913, except no gabbro
1915-S	LCA3	43	0.4	1	12	46	Au -.1 As -10 W 6 Sn -10	Str wdth:-1; av str dpth:0-½; in flood: no; size:sand; org:med; str situs:alvl; float of metasediments, some volcanics and quartz diorite
1916-S	LCA3	88	0.8	3	17	112	Au -.1 As 10 W 5, Sn -10	Str wdth:1-3; av str dpth:dry; in flood: no; size:grvl/sand; org:low; str situs: alvl; float same as 1915
1917-S	LCA3	40	0.6	1	13	80	Au -.1 As 30 W 5, Sn -10	Str wdth:1-3; av str dpth:dry; in flood: no; size:sand; org:low; str situs:alvl; float same as 1915
1918-S	LCA3	46	0.6	1	23	82	Au -.1 As 10, W 6, Sn -10	Str wdth:3-6; av str dpth:½-1; metasediments with some volcanics
1919-S	LCB3	39	0.5	2	22	73	Au -.1 As -10 W 5, Sn -10	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str situs:alvl; granite; felsic-mafic volcanics
1920-S	LCB3	28	0.5	2	18	73	Au -.1 As -10 W 4 Sn -10	Str wdth:3-6; av str dpth:½-1; in flood: no; size:sand; org:low; str situs:alvl; bedrock of granite, felsic to mafic volcanics, and some diorite
1921-D	LCA3	42	0.6	34	27	57	Au -.1 As -10 W 14, Sn -10	Dpth:6; hor:B; moist:med; color:brown; soil situs:alvl; org:med; float of diorite and quartz diorite
1922-S	LCA3	21	0.2	1	7	35	Au -.1 As -10 W 2 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood: no; size:clay; org:high/med; str situs: bedrock; boggy area with rare float-- some quartz diorite and diorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1923-S	LCB3	33	0.4	2	17	68	Au -.1 As -10 W 3 Sn -10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; float of quartz monzonite, low rank metasediments including schist, phyllite and calcite schist, felsic to mafic volcanic porphyries including rhyolite(?) with pyrite and chalcopyrite, diorite with chlorite, and magmetite
1924-S	LCB3	35	0.5	1	27	82	Au -.1 As -10 W -2 Sn -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; float predominantly diorite, quartz diorite, granodiorite, felsic and mafic volcanic porphyries, and some metasediments, mostly schist
1925-S	LCB3	35	0.6	1	26	87	Au -.1 As -10 W 3, Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; same as 1924
1926-D	LCB2	12	0.5	1	26	90	Au -.1	Size:sand/silt; moist:med; color: brown; soil situs:glcl/talus; org: low; frozen:no; barren granite bedrock; float of barren granite and quartz monzonite with occasional piece of fine-grained carbonate (ankerite?) or carbonate breccia- breccia is unmineralized; sample of talus fines- of glacial origin
1927-D	LCB2	11	0.4	2	18	52	Au -.1	Size:sand/silt; moist:med; color: brown; soil situs:glcl/talus; org: low; frozen:no; barren granite bedrock and float; talus fines on rock glacier; already supporting growth of grass, moss, lichen, etc.

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1928-S	LCB2	11	0.3	1	10	26	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl; barren granite bedrock and float
1929-R	LCB2	72	0.6	5	31	86	Au 0.1	Type:chip; bedrock; fine-grained granite-like possible hybrid rock; contains sparse disseminated sulfides (pyrite) and one streak two inches thick of coarsely disseminated pyrite
1930-S	LCB2	6	0.2	1	7	18	Au -.1	Str wdth:10-15; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; quartz monzonite bedrock; float of barren granite and quartz monzonite; some oxidizing carbonate float without sulfides
1931-S	LCB2	10	0.3	2	12	32	Au -.1	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock of barren quartz monzonite; float of barren granite and quartz monzonite
1932-S	LCB2	9	0.2	1	11	26	Au -.1	Str wdth:15-25; av str dpth: 2; in flood:no; size:sand/silt; org:low; str situs:bedrock; granite bedrock; float of barren quartz monzonite and granite
1933-S	LCB2	31	0.4	2	13	50	Au -.1	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock and float of barren quartz monzonite
1934-S	LCA4	30	0.4	1	10	44	Au -.1 As -10	Str wdth:1-3; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: high; str situs:alvl; float of meta-sediments, volcanics, diorite and sediments

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1935-S	LCA4	68	0.1	1	14	58	Au -.1 As -10	Str wdth:15-25; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; essentially the same as 1934, but there seems to be a greater amount of metamorphics
1936-S	LCA4	98	0.8	1	18	66	Au -.1 As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; metamorphics, volcanics, diorite and miarolytic fine-grained pink granite
1937-R	LCA4	16	0.8	2	16	22	Au -.1 As -10	Type:chip; bedrock/rubble crop; calcareous schist lineation strikes N40E, dips vertical; rock is barren; includes a three-inch seam of quartzite, also barren
1938-S	LCA4	76	0.5	1	15	46	Au -.1 As 150	In flood:no; size:clay; org:high; str situs:alvl; one of at least ten seeps or bifurcations of presumeably larger drainage; float of metamorphics, volcanics, gabbro, greenstone and diorite
1939-R	LCA4	25	0.5	1	7	44	Au -.1 As -10	Type:chip; bedrock/rubble crop; bedrock of micaceous granulite- probably metasediment; float same plus calcareous amphibolite- probably metasediment; all rocks are barren
1940-S	LCA3	140	0.7	1	10	56	Au -.1 As -10	Str wdth:15-25; av str dpth:dry; in flood:no; size:sand/silt; org:med; str situs:alvl; no bedrock seen; float of volcanics, diorite, greenstones

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1941-S	LCA2	91	1.0	1	9	76		Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt/clay; org: low; str situs:glcl; float of 40% diorite, 40% granodiorite and 20% gabbro; minor chalcopyrite in bull quartz and aplite
1942-S	LCA3	70	1.0	3	28	128	As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 60% volcanics and agglomerates, 20% sediments, sandstone, siltstone and conglomerate, and 20% granite to gabbro; some pyrite in all rock types with iron oxide
1943-S	LCA3	42	0.9	14	16	60	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:high; str situs:clvl/bog; float of granodiorite and schistose metasediments; strong brown iron precipitate on all stream-bog cobbles
1944-S	LCA3	33	0.8	2	25	118	As -10 spectro	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; float of agglomerates, tuffs, porphyritic felsic and intermediate volcanics; less than 1% have brown iron oxide with 1 to 3% pyrite
1945-D	LCA3	160	1.5	55	91	76	As -10 spectro	Dpth:8; hor:B; size:sand/silt; moist: med; color:brown; soil situs:alvl/talus; org:med; frozen:no; intrusives and volcanics; 10 to 20% of float has strong silica and pyrite alteration, weak sericite, and moderate brown iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1946-D	LCA3	280	1.2	82	15	42	As -10	Dpth:14; hor:B; size:silt/clay; moist: med; color:brown/black; soil situs: clvl; org:high; frozen:no; no float
1947-D	LCA3	36	0.6	5	10	36	As -10	Dpth:12; hor:B; size:silt; moist:med; color:black; soil situs:clvl; org: high; frozen:no; float of dark, silicious, finely crystalline, sometimes brecciated, iron-stained volcanics, with 3% disseminated pyrite
1948-S	LCA3	25	0.6	7	9	42	As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:silt; org:high; str situs:alvl; float of cherty-appearing volcanics, tuffs, agglomerates and felsic porphyries; 1% of float has traces to 1% pyrite
1949-S	LCA3	55	0.8	7	37	84	As -10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 60% granite and granodiorite, and 40% undifferentiated porphyritic volcanics with 1 to 2% pyrite
1950-S	LCA3	21	0.7	9	15	42	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:med; str situs:alvl; float of dacite porphyry with phenocrysts of feldspar about 1/8-inch
1951-S	LCA3	19	0.7	1	16	42	As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 80% undifferentiated volcanics, and 20% granite, less than 2% with moderate iron oxide and pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1952-S	LCA3	14	0.4	2	23	68	As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of undifferentiated volcanics with metasediments (?) interbedded; less than 10% granite; some balck vitrophyry with 1/8-inch feldspar phenocrysts
1953-S	LCA3	14	0.5	1	13	70	As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 90% dark, fine-grained volcanics with plagioclase phenocrysts about 1/8 inch, sometimes brecciated with other volcanic clasts; 10 to 20% granite
1954-S	LCA3	22	0.8	3	15	86	Au -.1 As -10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float of 80% quartz monzonite and 20% volcanics-basalt, andesite, and a trace of metasediments
1955-S	LCA3	25	0.9	1	17	72	Au -.1 As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float of granite, diorite, monzonite and basalt
1956-R	LCA3	118	1.2	2	10	46	Au -.1	Type:chip; bedrock/rubble crop; bedrock of chloritized calcium carbonate, epidotized, fine-grained gabbro intruded by granite to quartz monzonite
1957-S	LCA3	67	0.8	3	10	54	Au -.1 As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:high; str situs:clvl; no float
1958-S	LCA3	40	0.6	12	10	48	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float of diorite, granite, andesite, basalt and metasediments

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1959-S	LCA3	40	0.4	3	20	66	Au -.1 As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; same as 1958
1960-S	LCB3	67	0.9	1	17	85	Au -.1 As 20 Sn -10 W 3	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of metasediments- mostly calcite schist, minor volcanics and crystalline rock
1961-S	LCB3	65	0.7	1	15	92	Au -.1 As 20 Sn -10 W -2	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:med; str situs:alvl; float of metasediments- mostly calcite schist and phyllite
1962-S	LCB3	49	0.5	1	13	83	Au -.1 As 10 Sn -10 W 3	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of metasedi- ments- mostly schist and phyllite
1963-S	LCB3	55	0.8	1	15	89	Au -.1 As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of calcite schists and phyllites, some phyllite with very thin veins of pyritic quartz
1964-R	LCA3	45	0.8	6	13	88	Au -.1 As -10 spectro	Type:grab; rubble crop; bedrock of rhyolite porphyry, andesite porphyry and mafic volcanics, all with minor disseminated pyrite and possible trace of chalcopyrite; also pyrite in thin veinlets of quartz
1965-S	LCA2	9	0.3	-1	3	26	Au -.1 As -10 Sn -10 W 3	Str wdth:6-10; av str dpth:1-2; in flood:yes; size:sand; org:low; str situs:alvl; float of quartz monzonite with subordinate pink granite; minor amount of gabbro float; some quartz monzonite very iron stained from included blebs of pyrite and arseno- pyrite; magnetite; sericite altera- tion adjacent to sulfide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1966-R	LCA2	7	0.3	1	30	32	Au -.1 As -10 Sn -.005% spectro, W -.005%	Type:grab; rubble crop/float; hi graded; float of quartz monzonite with blebs of pyrite and arsenopyrite; magnetite; sericitized
1968-S	LCA2	16	0.4	-1	7	42	Au -.1 As -10 Sn -10 W 7	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; minor quartz monzonite; greenstone (gabbro, basalt, etc.); trace of pyrite and arsenopyrite; some sericite
1969-S	LCA2	23	0.3	1	5	38	Au -.1 As -10 Sn -10, W 8	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; quartz monzonite bedrock
1970-S	LCA2	21	0.5	-1	12	78	Au -.1 As -10 Sn -10, W 6	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl; quartz monzonite bedrock
1971-S	LCA2	11	0.4	-1	3	30	Au -.1 As -10 Sn -10 W 4	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; quartz monzonite with thin dikes of gabbro; some granite float
1972-D	LCA2	18	0.4	-1	7	26	Au -.1 As -10 Sn -10 W 3	Dpth:6; hor:B; size:sand; moist:dry; color:white; soil situs:clvl; org: low; frozen:no; quartz monzonite bedrock
1973-D	LCA2	18	0.3	-1	11	54	Au -.1 As -10 Sn -10 W 4	Hor:B; size:sand; moist:dry; color: white; soil situs:alvl; org:low; frozen:no; float of quartz monzonite, with small amounts of gabbro and granite
1974-S	LCA3	160	0.9	1	17	64	Au 0.1 As 50	Str wdth:15-25; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; greenstone (meta-argillite?) with fine-grained disseminated pyrrhotite and pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1975-R	LCA3	14	0.3	3	10	41	Au -.1	Type:chip; float; barren, fine-grained pink granite, sometimes miarolytic; sample taken on rock glacier
1976-R	LCA3	37	0.7	3	10	71	Au -.1 As -10 spectro	Type:chip; float; bedrock of volcanics; float of volcanics- porphyritic andesite in composition, weakly to intensely chloritized, fragmental units; all barren except for occasional weakly pyritized areas of very minor extent; volcanics are extrusive
1977-S	LCB3	39	0.8	2	24	63	Au -.1 As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:med; str situs:bedrock; barren granite bedrock; float of barren granite and barren volcanics
1978-S	LCB3	53	0.5	2	26	68	Au -.1 As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:bedrock; bedrock of barren granite; float of barren granite and barren volcanics
1979-R	LCB3	25	0.4	1	9	42	Au -.1	Type:chip; bedrock; barren quartz monzonite
1980-D	LCA3	27	0.8	1	17	50	Au -.1 As -10	Bedrock of barren volcanics; float of barren volcanics, occasionally with disseminated pyrite or pyrrhotite; sample of talus fines
1981-D	LCA3	42	0.8	1	37	80	Au -.1 As -10	Bedrock of barren volcanics; float of barren volcanics plus barren diorite sill(?); sample of talus fines near cliff
1982-D	LCA3	28	0.5	2	10	34	As 10	Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:alvl; org: med; frozen:no; no float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1983-R	LCA3	2600	10.0	355	420	460	Au -.1 Sn -.005% W -.005% spectro	Type:chip; rubble crop; fault breccia zone; intense chlorite-pyrite gossan, intense limonite after pyrite boxwork about 50 feet wide and 75 feet long; minor quartz-magnetite-sericite; patches of moly disseminated with pyrite up to 2% MoS_2; random chip of rubble crop; host is fine-grained quartz-chlorite schist
1984-S	LCA3	75	0.2	3	7	60	As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt/clay; org:low; str situs:alvl; float of schistose metasediments and quartz-chlorite-amphibole schist (diorite schist?) and diorite gneiss; weak disseminated pyrite
1985-S	LCA3	96	0.4	2	10	98	Sn -10 W 4	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 70% quartz diorite and quartz-diorite gneiss, 20% quartz-chlorite schist, and 10% iron-stained schist and geniss with 1 to 3% disseminated pyrite
1986-S	LCA3	530	1.4	4	77	200	As -10 Sn -10 W 3	Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt; org:med; str situs:alvl; float of quartz-chlorite schist (metasedimentary?) and diorite gneiss; 10% of float has 3% pyrite with strong iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1987-S	LCA3	330	1.0	3	45	128	As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl/bedrock; bedrock of quartz-biotite diorite cut by porphyritic granodiorite dikes(?); weak chloritization; weak disseminated magnetite; less than 5% of float has brown limonite after pyrite stain
1988-S	LCA3	420	0.7	5	23	164	As -10 Sn -10 W -2	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; bedrock of fine-grained granular quartz-rich gneissic granodiorite or aplite; float mostly silicious schist with chlorite-muscovite-amphibole with disseminated pyrite up to 3%; occasional cobbles of limonite boxwork after 10 to 20% pyrite
1989-S	LCA3	320	1.0	3	63	124	As -10 Sn -10 W -2	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; same as 1988
1990-S	LCA3	56	0.4	1	8	68	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:clvl/alvl; float of fine-grained gneissic silicious granodiorite; weak chlorite and magnetite
1991-D	LCA3	57	0.5	1	9	38	As -10 Sn -10 W 3	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:alvl/talus; org:low; frozen:no; float of quartz-chlorite schist and gneiss; 5% of float has brown iron oxide and 1 to 2% disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1992-R	LCA3	240	0.8	7	10	72	Au -.1 Be -2 Sn -.005% W -.005% spectro	Type:chip; bedrock; six to eight-foot chip of strongly silicified schist with 7 to 8% pyrite, 1 to 3% magnetite, and a trace of chalcopyrite(?); porphyritic granodiorite host(?)
1993-R	LCA3	4800	11.3	2	2080	1000	Au -.1 Be 2 Sn -.005% W -.005% spectro	Type:chip; float; hi graded; fine, granular, schistose, silicious, brown iron-stained boulder six feet square with 10 to 15% pyrite disseminated and parallel to foliation; greenish-brown mica alteration; 0.5% copper (bornite and chalcopyrite); 0.02% MoS_2 (molybdenumite)
1994-R	LCA3	5700	15.2	6	5600	27,000	Au -.1 Be -2 Sn -.005% W -.005% spectro	Type:chip; float; hi graded; four-foot square silicious schistose boulder with strong chlorite and epidote crystals; massive pyrite with chalcopyrite, galena, sphalerite and magnetite; quartz-chlorite schist host; 1% zinc, 0.5% copper, 0.1% lead
1995-R	LCA3	330	0.9	2	31	260	Au -.1 Be -2 W -.005%, Sn -.005% spectro	Type:chip; rubble crop; bedrock of contorted and sheared quartz-chlorite-pyrite schist; 3 to 5% scattered patchy pyrite; 10-foot chip sample
1996-R	LCA3	21	0.4	2	12	62	Au -.1 Be -2 Sn -.005% W -.005%	Type:chip; bedrock; bedrock of serpentinized quartz-chlorite schist (?); strongly sheared; strong brown iron oxide; less than 1% pyrite; blocky fracturing
1997-R	LCA3	14	0.9	16	12	82	Au -.1 Be -2 Sn -.005% W -.005% spectro	Type:chip; bedrock; six-foot chip across center of 20-foot wide shear zone; intense chlorite-pyrite; 10% pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1998-S	LCA3	230	0.9	6	16	134	Sn -10 W -2	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl/bedrock; pyrite-quartz-chlorite shear zone; proven copper above sample
1999-S	LCA3	47	0.5	1	28	80	As 10 Sn -10 W -2	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:glcl/alvl; float of schists (metasediments?), volcanic agglomerates, rhyolite breccias and porphyries; less than 5% has weak brown iron oxide after less than 1% pyrite
2000-S	LCA3	35	0.9	1	91	71	As -10 Sn -10 W -2	Str wdth:1-3; av str dpth:dry; in flood:no; size:silt; org:low; str situs:glcl/alvl; float of porphyritic greenstone; less than 1/8-inch feldspar phenocrysts in chloritic altered dark volcanic

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2001-S	LCA3	44	0.5	2	26	74	Au -.1 As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float of diorite, granite, monzonite, basalt and latite metasediments
2002-S	LCA3	45	0.5	2	25	76	Au -.1 As -10	Str wdth:10-15; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; same as 2001
2003-S	LCA3	40	0.8	1	24	71	Au -.1 As -10	Str wdth:15-25; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; bedrock of barren volcanics; float of barren volcanics and barren diorite
2004-S	LCA2	14	0.2	-1	7	14	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:yes; size:sand; org:low; str situs:alvl; bedrock and float of barren quartz monzonite
2005-R	LCA2	10	0.2	1	28	34	Au -.1	Bedrock and float of barren quartz monzonite
2006-S	LCA2	23	0.3	-1	11	24	Au -.1	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock of barren schistose granite; float of schistose granite, quartz monzonite, fine-grained metasediments or metavolcanics (greenstone), granite with disseminated pyrite, the latter probably coming from a glacier to the east
2007-S	LCA2	31	0.1	-1	4	28	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:yes; size:sand/silt; org:low; str situs:alvl; no bedrock seen; float of granite, schistose granite and quartz monzonite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2008-S	LCA2	32	0.2	-1	4	36	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:no; size:silt; org:low; str situs:alvl; schistose granite bedrock; float of schistose granite, granite, and quartz monzonite with disseminated pyrite
2009-S	LCA2	15	0.3	-1	3	22	Au -.1	Str wdth:6-10; av str dpth:1-2; in flood:yes; schistose granite bedrock; float of schistose granite and quartz monzonite; stream flows over bedrock in a single channel, then splits up on hitting the talus cone at the base of the outcrop; stream carrying in excess of one cubic meter per second
2010-R	LCA2	10	0.2	1	11	36	Au -.1	Schistose granite bedrock; float of schistose granite, granite, greenstone; sample of schistose granite; all rocks barren
2011-R	LCA2	21	0.3	1	8	50	Au -.1	Type:chip; bedrock; bedrock and float of absolutely barren gneissic granite; gneissosity only visible on outcrop-not shown in individual pieces unless over one inch in diameter
2012-S	LCA2	11	0.2	1	6	36	Au -.1 As -10 Sn -10 W 4	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:glcl/alvl; quartz monzonite and granite with granite pegmatite veins up to four feet thick; some minor gabbro
2013-S	LCA2	13	0.4	1	5	32	Au -.1 As -10 Sn -10 W 6	Str wdth:3-6; av str dpth:½-1; in flood: yes; size:sand/silt; org:low; str situs:glcl/alvl; same as 2013

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2014-S	LCA2	32	0.4	1	7	28	Au -.1 As -10 Sn -10 W 5	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; quartz diorite bedrock; float of quartz diorite and minor pyritic volcanics (greenstones); chlorite alteration
2015-S	LCA2	57	0.6	1	11	48	Au -.1 As -10 Sn -10 W 7	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; float of quartz diorite and pyritic and nonpyritic greenstone
2017-S	LCA3	59	0.6	1	9	44	Au -.1 As -10 Sn -10 W 4	Str wdth: 1; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of diorite gneiss and andesite; may be fault going thru here; some some mylonite or breccia; slight surficial iron staining on andesite; no sulfides seen
2018-S	LCA3	50	0.8	1	16	76	Au -.1 As -10 Sn -10 W 6	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; bedrock of mixed volcanics with interbedded sediments; unit shows moderate iron staining due to disseminated pyrite; some quartz diorite float
2019-S	LCA3	25	0.7	1	27	138	Au -.1 As 70	Str wdth:1-3; av str dpth:0-½; in flood:no; size:clay; org:med; str situs:alvl; no float; quartz diorite and volcanics with metasediments above
2020-D	LCA3	29	0.8	1	14	76	Au -.1 As -10	Hor:B; size:silt; moist:dry; color: brown; soil situs:talus; org:med; frozen:no; sample area soil covered; talus sample taken from dump (mound) of fresh squirrel burrow; exposed rocks mostly mixed volcanics and metasediments

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2021-S	LCA3	15	0.5	1	16	52	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; float of volcanics and metasediments; some minor pyrite staining
2022-S	LCA3	41	0.7	2	27	100	Au -.1 As 20	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of metasediments and volcanics- predominantly porphyritic (melaphyre)
2023-S	LCA3	89	1.0	4	48	198	Au -.1 As 10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:grvl/sand; org:low; str situs:alvl; float of volcanics and metasediments
2024-S	LCA4	12	0.2	1	18	52	Au -.1 As -10 Sn -10 W 7	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvlbedrock is very fine-grained buff-colored rock with specks of cinnamon brown calcite- may be metasediments; float of volcanics, volcanic porphyries and some pyritic rhyolite
2025-S	LCA4	29	0.8	2	29	78	Au -.1 As -10 Sn -10 W 6	Str wdth: 1; av str dpth:dry; in flood:no ; size:sand; org:low; str situs:alvl; bedrock and float of volcanics and volcanic porphyries
2026-S	LCA4	24	0.7	6	24	106	Au -.1 As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; bedrock and float of volcanics and volcanic porphyries; iron-stained area at highest elevation appears (from float) to be pyritic rhyolite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2027-S	LCA4	20	0.5	4	37	92	Au -.1 As -10 Sn -10 W 5	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; andesite porphyry bedrock; float of andesite and other volcanics, felsite to trap; sericite alteration
2028-S	LCA4	28	0.7	3	34	74	Au -.1 As -10 W 3, Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; same as 2027
2029-R	LCA2	14	0.2	1	11	48	Au -.1	Type:chip; bedrock; bedrock of barren worthless schistose granite; float same plus more micaceous dark rock
2030-S	LCA3	43	0.7	1	7	54	Au -.1	Str wdth:15-25; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:alvl; diorite, some with disseminated pyrite; metasediments and metavolcanics, some with disseminated pyrrhotite
2031-S	LCA3	40	0.4	1	8	28	Au -.1	Str wdth:10-15; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock and float of barren granodiorite
2032-D	LCA3	32	0.8	3	15	34	Au -.1	Dpth:2; hor:B; size:silt/clay; moist: med; color:brown; soil situs:rsdl; org:high; frozen:no; barren granodiorite bedrock and float
2033-S	LCA3	13	0.3	-1	5	22	Au -.1	In flood:no; size:sand/silt; org:low; str situs:alvl; barren granodiorite bedrock and float; sample of sediment from seep about 200 feet wide coming from base of moraine
2034-S	LCA2	21	0.3	1	4	24	Au -.1	Str wdth:10-15; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; barren granodiorite bedrock and float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2035-S	LCA2	31	0.4	1	7	36	Au -.1	In flood:no; size:sand/silt; org:low; str situs:alvl; barren granodiorite bedrock and float; sample of stream sediment from one of several subterranean flows at point where it surfaces and ponds before going underground again
2036-S	LCA2	28	0.5	-1	8	50	Au -.1	Str wdth:15-25; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock and float of gneissic granodiorite; plane of linearity N60E80NW; rock is barren
2037-R	LCA2	28	0.6	1	8	68	Au -.1	Type:chip; bedrock; gneissic granodiorite; plane of linearity N60E80NW; rock is barren
2038-S	LCA2	14	0.6	-1	7	34	Au -.1	Str wdth:6-10; av str dpth:1-2; in flood:yes; size:sand/silt; org:low; str situs:alvl; gneissic granodiorite and greenstone; narrow to inches wide pegmatite veins; all barren; fine-grained diorite with very minor pyrite; few cobbles of barren ultramafic rock
2039-S	LCA2	15	0.7	-1	9	46	Au -.1	Everything the same as 2038; this sample is about 200 yards downstream from 2038, but this sample is of stream-washed heavies- black sand, etc.
2040-S	LCA4	140	0.9	1	37	72	Au -.1	Str wdth:6-10; av str dpth:dry; in flood:no; size:silt; org:high; str situs:alvl; bedrock of greenstones, some with sparse disseminated sulfides-pyrrhotite, maybe some pyrite, one piece with chalcopyrite; float same plus diorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2041-R	LCA4	24,000	9.5	5	20	76	Au -.1 spectro	Type:grab; float; hi graded(?); bedrock and float of greenstones (metavolcanics?); fine-grained disseminated and streaky chalcopyrite- greater than 2% copper; outcrops on cliff face about 3475 feet; looks like two or three minor structures; outcrop just as good as float; can't find any continuity; area three feet square may run 5% copper; N35W65SW, N55E45NW,N35E55SE
2042-S	LCA4	150	0.8	1	32	89	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; greenstones with patchy minor pyrite and/or pyrrhotite; sericitized volcanics with abundant disseminated pyrrhotite and/or pyrite
2043-S	LCA4	100	0.9	1	28	76	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: high; str situs:alvl; bedrock unknown (no outcrop); float of greenstones
2044-S	LCA4	15	0.1	1	13	52	Au -.1 As -10 Sn 10 W -2	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; float of diorite, quartz diorite, vocanic porphyries, some with slight iron stain
2045-S	LCA4	16	0.3	2	24	84	Au -.1 As -10 Sn -10 W 5	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; float of diorite, migmatite, volcanic porphyries including pyritic sericitized rhyolite- dike outcrops nearby

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2046-S	LCA4	18	0.2	1	11	42	Au -.1 As -10 Sn -10 W 3	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; float of diorite, quartz diorite, and volcanic porphyries with minor iron stains
2047-S	LCA4	9	0.8	1	24	94	Au -.1 As -10 W 6, Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; same as 2046
2048-S	LCA4	27	0.6	2	94	720	Au -.1 As -10 Sn 40 W 7	Str weth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; bedrock of volcanics; float of volcanic porphyries, basalt and tuff breccia- most have a trace of pyrite
2049-S	LCA4	7					Sn 50 W 4	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock and float of volcanics
2050-S	LCA4	23	0.4	2	44	190	Au -.1 As -10 Sn -10 W 5	Str wdth:1-3; av str dpth:0-½ in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock and float of volcanics; predominant volcanic color is greenish-gray; some rhyolite poyphyry with bright red matrix
2051-S	LCA4	16	0.5	6	33	100	Au -.1 W 4 Sn 10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock of volcanics-stream cuts rhyolite; float of volcanics, mostly porphyries
2052-S	LCA4	16	0.7	12	62	98	Au -.1 W 6 Sn 15	Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; bedrock of rhyolite porphyry, andesite porphyry and basalt; some pyrite in rhyolite; sericite alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2053-R	LCA4	16	3.8	72	198	100	Au -.1 spectro	Type:chip; bedrock; hi graded; bedrock of rhyolite porphyry with thin zone of pyrite-sericite (sample)
2054-S	LCA4	17	0.4	2	22	98	Au -.1 Sn -.005% W -.005%	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock and float of volcanics and volcanic porphyries
2055-S	LCA4	18	0.4	1	21	76	Au -.1 W 6 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of volcanics, mostly tuff breccia and felsophyres
2056-S	LCA4	27	0.7	2	45	92	Au -.1 W 2 Sn -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; same as 2055
2057-S	LCA4	18	0.5	4	41	112	Au -.1 W 2 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl; bedrock and float of volcanics and volcanic porphyries
2058-S	LCA4	21	0.5	2	31	94	Au -.1 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock and float same as 2057
2059-S	LCA4	24	1.0	3	33	94	Au -.1 As 10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; float of volcanics, volcanic porphyries; no iron-stained float seen
2060-S	LCA4	18	0.7	3	38	88	Au -.1 As 10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; float of volcanics, volcanic porphyries; no iron staining seen

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2061-S	LCA4	19	0.8	3	37	72	Au -.1 As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of volcanics, volcanic porphyries, tuff breccia; minor iron-stained sericitized rhyolite
2062-S	LCA4	14	0.6	2	25	76	Au -.1 As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of volcanics, volcanic porphyries, tuff breccia with magnetite specks; minor iron-stained rhyolite
2063-S	LCA4	12	0.6	3	30	77	Au -.1 As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float mostly trachyte porphyry with magnetite; some green-stone and minor granodiorite
2064-S	LCA4	14	0.6	3	26	87	Au -.1 As 10	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; float mostly banded tuff-tuff breccia; minor rhyolite with epidote and sericite
2065-S	LCA4	17	0.8	4	27	77	Au -.1 As 20	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:alvl; float mostly tuff breccia and trachyte porphyry
2066-R	LCA4	12	-.1	1	23	66	Au -.1 As -10 W -.005% Sn -.005% spectro	Type:grab; float; tuff with litho-physae lined with tiny prismatic green crystals of epidote(?) or magnetite (?); sample just below intersection of streams 2063 and 2064
2077-S	LCA4	86	0.9	1	32	80	Au -.1	Str wdth:15-25; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alvl; no nearby outcrop; float of greenstones

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2078-R	LCA4	77	0.8	5	36	132	Au -.1 As -10 spectro	Type:grab; bedrock/rubble crop/float; variably sericitized, pyritized and sometimes epidotized volcanics; should be completely barren; sample of about 300 feet of outcrop and float and rubble crop
2079-R	LCA4	31	0.7	2	44	82	Au -.1 spectro	Type:grab; rubble crop/float; diorite-quartz diorite contact with zone about 75 feet wide of pyrrhotization
2080-S	LCA4	52	1.0	5	45	100	Au -.1 As -10	Str wdth:10-15; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:alvl; no bedrock seen; float of volcanics and fragmental volcanics, some propyllitized and containing disseminated pyrite;greenstones, quartz monzonite phase of miarolytic pink granite
2081-S	LCA4	56	0.9	4	39	126	Au -.1 As -10	Str wdth:15-25; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:alvl; no bedrock seen; float same as 2080 plus granodiorite
2082-D	LCA4	31	1.0	2	42	82	Au -.1 As -10	Dpth:8; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; no bedrock seen, but looks like greenstones at abou 3000 feet; float mainly greestones, but there is capping of glacial debris largely of diorite origin about 30 feet above sample site; sample of B soil horizon in old dry stream bed
2083-S	LCA4	20	1.1	5	30	71	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt/clay; org: high; str situs:alvl; no bedrock seen; float maily fine-grained pink granite without the miarolytic cavities; minor granodiorite (fine-grained) and green-stones; bedrock probably pink granite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2084-S	LCA4	16	0.9	3	43	78	Au -.1 As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:high; str situs:alvl; no bedrock or float seen
2085-S	LCA4	34	0.6	3	24	99	Au -.1 As -10	Str wdth:10-15; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; quartz latite with minor sericitization and moderate disseminated pyrite; also diorite with minor pyrite; appears to be many volcanic rock types with pyrite
2086-R	LCA4	16	0.7	5	26	71	Au -.1 As -10	Type:chip; bedrock; looks like pyritized roof pendants or large xenolyths of volcanics in fine-grained diorite; barren
2087-R	LCA3	250	1.4	6	19	77	Au -.1 As -10	Type:chip; bedrock; metamorphics; good chip sample of 2½-foot black siliceous metamorphic with disseminated pyrite and/or pyrrhotite; sulfides are discontinuous even along short stretches of strike; linearity, schistosity, shearing(?); N45E65SE; if sample were taken one foot to southwest, there would be almost no sulfides; there is diorite outcropping above and below schist, so schist is large xenolyth or small roof pendant
2088-S	LCA3	72	1.1	1	56	94		Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:clvl/alvl; float of quartz-chlorite schist

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2089-D	LCA3	80	1.4	7	15	177		Dpth:14; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/clvl; org:med; frozen:no; no float
2090-S	LCA3	25	0.9	2	36	44	As -10 W 2 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:high/med; str situs:clvl/alvl; no float
2091-D	LCA3	60	0.6	4	42	67	As -10 W 3 Sn -10	Dpth:10; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/clvl/talus; org:med; frozen:no; no float
2092-D	LCA3	74	0.9	10	21	58	As -10	Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/clvl; org:med; frozen:no; no float
2093-S	LCA3	40	0.8	3	43	56	As -10 W 3 Sn -10	Str wdth:10-15; av str dpth:1-2; in flood:yes; size:sand; org:low; str situs:alvl/bedrock; float of monzonite and undifferentiated volcanics, less than 5% with brown iron oxide and 1 to 2% pyrite
2094-S	LCA3	140	1.5	1	23	162	As 100 W 2 Sn -10	Str wdth:1-3; av str dpth:dry; size:sand/silt; org:low; str situs:alvl; float of quartz-chlorite schist, strongly folded, with weak iron oxide and traces of pyrite
2095-R	LCA3	93	1.1	4	17	320	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; strongly sheared chlorite-pyrite schist with yellow to light brown iron oxide and 3% pyrite; 10-foot chip
2096-R	LCA3	290	0.7	2	11	166	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; quartz-chlorite-hornblende-pyrite schist; strong shear; 1 to 3% pyrite; nearly background

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2097-R	LCA3	530	0.9	2	14	420	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; quartz-chlorite schist with 8 to 10% pyrite; schistosity=N5E; ten-foot low graded chip sample
2098-R	LCA3	190	0.7	2	16	400	Au -.1 W -.005% spectro, Sn -.005%	Type:chip; bedrock; background for quartz-chlorite-pyrite schist; 1 to 5% pyrite; minor epidote
2099-R	LCA3	89	0.8	1	9	156	Au -.1 spectro	Type:chip; bedrock; quartz-chlorite-amphibole schist with 1 to 3% pyrite; no iron oxide
2100-R	LCA3	240	0.4	3	8	64	Au -.1 spectro	Type:chip; bedrock; quartz-biotite schist with small garnets(?); probably metasedimentary
2101-R	LCA3	260	0.9	5	49	166	Au -.1 W -.005% Sn -.005% spectro	Type:chip; rubble crop; hi graded; float of quart-chlorite-amphibole schist with 1% pyrite; strong brown iron oxide stain over small area 50 feet square
2102-R	LCA3	50	0.4	2	11	60	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; random chip of 50-foot square of strong brown iron oxide; 8 to 10% pyrite in quartz-chloritiz-altered and brecciated volcanic(?)
2103-R	LCA3	66	0.6	2	21	70	Au -.1 spectro	Type:chip; bedrock; 10-foot chip of silicious metasediments with strong secondary biotite; moderate brown iron oxide
2104-R	LCA3	38	0.5	3	77	106	Au -.1 W -.005% Sn -.005% spectro	Contact of andesite flow breccia with gabbro; five-foot mineralized zone on both sides; 10 to 15% pyrite and a trace of chalcopyrite; sample of both rock types; strong brown iron oxide

PROJECT -- COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2105-S	LCA3	50	0.3	1	13	44	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt/clay; org:low; str situs:glcl; float of 80% gabbro and 20% metasediments; 10% of gabbro shows strong brown iron oxide with 2 to 4% pyrite
2106-S	LCA3	34	-.1	1	12	44	As -10 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:glcl/bedrock; bedrock of weakly iron-stained dacite porphyry; granite porphyry and diorite float
2107-R	LCA3	58	0.3	2	9	74	As -10 spectro	Type:chip; float; glacial float of 80% biotite-quartz schist with 10% being strongly iron stained brown, and 20% diorite; chips of biotite schist
2108-S	LCA3	48	0.1	1	9	54		Str wdth:3-6; av str dpth:½-1; in flood:no; size:silt; org:low; str situs:glcl/alvl; float of 50% schist, 30% diorite and 20% gabbro; weak brown iron oxide in the schist
2109-S	LCA3	83	0.4	1	10	44	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; fine-grained gabbroic rock intruded by medium-grained chlorite-feldspar-quartz (granitic rock); strong propylitic alteration
2110-S	LCA3	60	0.5	1	10	56	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; same as 2109

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2111-R	LCA3	27	1.7	8	13	44	Au -.1 As 10 spectro	Type:grab; float; iron-stained cobbles in creek; brecciated fragments of fine-grained gabbro with strong sericite and kaolin veinlets; vein-like orientation of massive pyrite; quartz veins; boxwork strong; minor copper oxide
2112-R	LCA3	80	0.4	2	13	56	Au -.1	Type:grab; float; talus cone of fine to coarse-grained hornblende gabbro and quartz diorite to granodiorite; epidote and chlorite moderate to strong
2113-S	LCA3	66	0.7	1	14	51	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alvl; bedrock and float of fine to coarse-grained gabbro, brecciated and intruded by quartz diorite to granodiorite and with strong epidote and chlorite
2115-S	LCA3	24	0.6	4	12	46	Au -.1	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand/silt/clay; org: high; str situs:clvl; no float
2116-S	LCA3	20	0.7	2	12	49	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float of coarse-grained granite and rock as in 2109
2117-S	LCA3	29	0.8	1	12	52	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: high; str situs:clvl; float as in 2109 plus coarse-grained granite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2118-R	LCA3	26	1.4	5	12	68	Au -.1 As 60	Type:grab; float; float of iron-stained (only) metasandstone and metasiltstone
2119-R	LCA3	68	1.2	1	16	43	Au -.1 W -.01%	Type:chip; bedrock; bedrock of medium to fine-grained gabbro; epidotized knob of dike that may be up to 150 feet thick(?)
2120-R	LCA3	42	0.5	2	31	121	Au -.1 As -10 spectro	Type:grab; float; talus of iron-stained cherty tuff with an occasional quartz vein
2121-R	LCA3	28	0.1	9	10	55	Au -.1 spectro, Be 2	Type:grab; rubble crop; bedrock of iron-stained rhyolite to trachyte
2122-R	LCA3	75	1.0	1	19	75	Au -.1 As -10 spectro	Type:chip; bedrock; bedrock of hematite-strong basalt (marine?); probably shear zone
2123-S	LCA3	280	1.0	1	16	68	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:glcl; float of float of greenstones- chloritized, epidotized volcanics, basalt, and intrusives- diorite and gabbro
2124-R	LCA3	120	2.2	5	24	38	Au -.1 As -10 spectro	Type:chip; bedrock; bedrock is serpentine-chlorite schist shear of irregular thickness; sample is quartz and calcite blebs and veins from three-foot wide portion of shear; shear is in greenstone (diorite to gabbro?)
2125-D	LCA3	180	1.0	2	16	71	Au 0.8	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; talus slope of primarily greenstone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2126-R	LCA3	20	2.6	2	32	91	Au -.1 As -10 spectro	Type:chip; bedrock; bedrock of minor quartz carbonate and iron carbonate veinlets in greenstone shear six feet wide; N75E60NW
2127-R	LCA3	220	0.9	1	22	44	Au -.1 As -10	Type:chip; bedrock; shear zone one foot wide in greenstone; strong iron oxides
2128-R	LCA3	100	0.7	2	17	48	Au -.1 As -10 spectro	Type:grab; rubble crop; iron-stained rhyolite with up to 2% pyrite (maybe in shear zone)
2129-R	LCA3	85	0.7	4	23	46	Au -.1 spectro	Type:chip; bedrock; bedrock of fine-grained quartz-sericite-chlorite-pyrite-altered rhyolite(?); 5% disseminated pyrite; strong brown to dark brown iron oxide
2130-R	LCA3	43	0.7	1	8	42	Au -.1	Type:chip; bedrock; bedrock of moderate argillic and silicious-altered dacite porphyry with 1 to 2% disseminated pyrite; moderate light brown iron oxide; five-foot chip
2131-D	LCA3	28	0.6	1	19	43	As -10	Dpth:3; hor:C; size:silt; moist:med; color:brown; soil situs:alvl; org:low; frozen:no; float of rhyolite and dacite with strong brown iron oxide and less than 1% pyrite
2132-R	LCA2	150	0.5	9	14	35	Au -.1 Spectro	Type:chip; bedrock; bedrock of fine-grained biotite-quartz schist (probably mafic sedimentary rock) with 3 to 5% pyrite, pyrrhotite, moderate magnetite and trace of chalcopyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2133-R	LCA2	100	0.6	1	12	26	Au -.1	Type:chip; float; unbiased chip of metashale float; 1 to 2% pyrite; trace of chalcopyrite
2134-S	LCA3	26	0.5	-1	15	42	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:clay; org:low; str situs:glcl; float of amygduloidal, green andesite with calcite amygdules; 50% volcanic tuff breccia; no sulfides
2135-S	LCA3	43	0.4	-1	23	45	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:clay; org:low; str situs:glcl; float of andesite breccia with feldspar phenocrysts and mafic volcanic fragments up to two inches; rare iron stained cobble with less than 1% disseminated pyrite
2136-R	LCA3	16	0.3	11	16	33	Au -.1	Type:chip; float; hi graded; float of felsic-looking volcanic porphyritic breccia with strong dark brown iron oxide and 3 to 5% disseminated pyrite; no visible chalcopyrite; large potential area
2137-R	LCA3	9	0.3	1	11	30	Au -.1	Type:chip; float; float of felsic to intermediate volcanic breccia with less than two-inch fragment; 1 to 3% pyrite-pyrrhotite
2138-S	LCA3	11	0.4	-1	16	49	As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand; org:low; str situs:clvl; float of greenish andesite breccia; no sulfides
2139-D	LCA4	9	0.6	-1	10	30		Dpth:3; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org:med; frozen:no; float of medium-grained, slightly propylitic-altered diorite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2140-D	LCA4	45	0.8	1	18	37	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; float of medium-grained barren granodiorite
2141-D	LCA4	22	0.6	-1	7	24		Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; same as 2140
2142-D	LCA4	22	0.7	-1	9	23		Dpth:3; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/glcl; org:med; frozen:no; float mostly granodiorite with some glacial erratic float
2143-D	LCA4	21	0.3	-1	5	22	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: high; frozen:no; float of porphyritic andesite and andesite breccia with less than ½-inch fragments
2144-D	LCA4	20	0.3	-1	31	56	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; float of intermediate volcanic breccias, andesties, dacites and rhyolites
2145-R	LCA4	21	0.4	-1	16	79	Au -.1	Type:grab/chip; rubble crop; float of purple andesite with calcite and epidote; no sulfides; no limonites
2146-D	LCA4	22	0.5	-1	11	39	As -10	Dpth:5; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/glcl; org:med; frozen:no; float of mostly granite and granodiorite with some andesite porphyry
2147-D	LCA4	15	0.4	-1	30	66		Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; float of barren fine-grained granite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2148-D	LCA4	14	0.6	1	21	40	As -10	Dpth:2; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; float of barren andesites and dacites
2149-R	LCA4	13	0.2	1	10	28	Au -.1 spectro	Type:chip; bedrock; hi graded; bedrock is 300 by 800-foot gossan area in volcanic agglomerate with 1 to 3% pyrite, weak quartz-sericite alteration and moderate brown iron oxide; 25-foot random chip of center
2150-D	LCA4	16	0.3	-1	11	40	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown/black; soil situs:rsdl; org:low; frozen:no; float of dacite and dacite breccia with less than ½-inch clasts; no mineralization
2151-R	LCA4	20	0.6	-1	16	48	As -10	Type:chip; bedrock; bedrock of porphyry rhyodacite(?); float of intermediate volcanics- porphyry rhyodacite(?); rich quartz; some hornblende crystals partially leached out; no ore dissemination
2152-R	LCA4	21	0.5	2	25	34	Au -.1 As -10 W -.005% Sn -.005% spectro	Type:grab; bedrock; hornfelsic intermediate volcanic(?); partially cooked up; silicified and recrystallized; shows a minor pyrite dissemination; slightly iron-stained; 15 feet long on the top; rubble crop extends approximately 60 feet
2153-R	LCA3	590	3.4	2	360	310	Au -.1 As -10 spectro	Type:grab; float; sample of boulder of ferricrete; if this contains anomalous copper, lead or zinc, then we know the source is uphill

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2154-R	LCA3	1200	1.9	3	27	220	Au -.1 As -10 spectro	Type:chip; rubble crop/float; quartz-chlorite-amphibolite schist at diorite contact; schist contains pyrite-magnetite; tight folding in schist; took sample of rocks with highest percentage of sulfides
2155-S	LCA3	9	-.1	1	15	65	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; stream issues from base of receeding glacier covering quartz monzonite; part of glacier covers metamorphics but I think that part drains underground in a different direction
2156-S	LCA3	51	0.4	1	13	45	Au -.1 As -10	Str wdth:15-25; av str dpth:0-½; in flood:no; size:sand/silt/clay; org: low; str situs:alvl; this stream drains metasediment section of glacier, but may not drain gossanous part of metasediment outcrop
2157-D	LCA3	120	0.7	2	17	62	Au -.1 As -10	Pyritized metasediments; sample of silt and clay deposited in spring by stream running over talus slope; stream drained pyritized metasediments
2158-S	LCA4	110	0.8	1	30	56	Au -.1 As 10	Size:silt; org:low; str situs:alvl; bedrock and float of greenstones; sample of pond sediment, part of which probably originated from adjoining hillside to north; sediment is above current water level

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2159-S	LCA4	150	8	-1	36	54	Au -.1 As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl; bedrock and float of greenstones; sample of pond sediment-glacial sediment under or being deposited by eight-inch wide, six-inch deep streamlet flowing out of glacier remnant across pond sediment and into pond; sample taken at base of glacier
2160-S	LCA4	180	10	-1	44	66	Au -.1 As 20	Str wdth:1-3; av str dpth:0-½; in flood:no; size:silt; org:med; str situs:alvl; bedrock and float of greenstones; small stream emptying into cirque pond drains area with two smallish five to 15-foot wide irregular gossans
2161-R	LCA3	150	0.8	1	14	65	Au -.1	Type:chip; bedrock; greenstone bedrock
2162-D	LCA3	85	0.9	1	19	39	Au -.1	Dpth:6; hor:B; size:sand/silt/clay; moist:med; color:brown; soil situs: glcl; org:med; frozen:no; greenstone float
2163-R	LCA3	120	0.9	1	15	72	Au -.1 spectro	Type:grab; float; talus cone with greenstone; minor quartz-calcium carbonate veins
2164-S	LCA4	74	0.6	1	16	80	Au -.1	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; greenstone float
2165-S	LCA4	170	0.8	1	14	63	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; bedrock and float of greenstone (volcanic?)

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2166-S	LCA4	200	0.9	1	15	56	Au -.1 As -10 V 15	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; bedrock and float of greenstone (red mineral in float)
2167-D	LCA4	170	1.0	1	18	43	Au -.1	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; greenstone float
2168-R	LCA3	25	0.3	3	14	66	Au -.1 As -10 spectro	Type:chip; bedrock; bedrock of iron-stained andesite to basalt; pyrite up to 8%; sericite locally intense
2169-R	LCA3	15	0.1	5	21	54	Au -.1 As -10 spectro	Type:grab; float; float of iron-stained talus from talus cone- fine-grained andesite(?) with disseminated and fracture plane pyrite
2170-R	LCA3	31	0.2	2	11	24	Au -.1 As -10 spectro	Type:chip; bedrock; iron-stained andesite to latite(?); very finely disseminated pyrite up to 15%; minor fracture plane-massive pyrite
2171-R	LCA3	24	0.3	2	13	32	Au -.1 spectro, As -10	Type:chip; bedrock; bedrock same as 2170
2172-R	LCA3	20	-.1	5	16	24	Au -.1 As -10 spectro	Type:grab; rubble crop; bedrock of iron-stained, dark cherty (glassy?) (andesite) tuff breccia
2173-D	LCA3	34	0.7	3	20	66	Au -.1	Dpth:4; hor:B; size:sand;silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; float of andesite, latite, volcanics; minor iron-stained float
2174-S	LCA3	39	0.8	7	28	70	Au -.1	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alvl; diorite, gabbro and andesite float; white chalky precipitate on stream cobbles

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2175-S	LCA3	78	1.0	6	21	70	Au -.1	Str wdth:3-6; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:glcl; float of diorite, gabbro, andesitic volcanic agglomerate, and minor metasiltstone; white chalky precipitate on stream cobbles
2176-S	LCA3	16	0.7	2	22	58	Au -.1	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:alvl; float of xenolithic diorite and volcanics
2178-S	LCA3	48	0.6	1	18	58	Au -.1	Str wdth:6-10; av str dpth:½-1; in flood:no; size:grvl/sand; org:med; str situs:alvl; bedrock of subgneissic diorite magnetite with strong epidote and chlorite; float like bedrock plus fine-grained diorite-gabbro, porphyry-basalt, and andesite-latite
2179-R	LCA3	19	0.5	9	16	46	Au -.1 spectro	Type:chip; bedrock; shear in granite; vugs of quartz-pyrite and strong, very fine hematite or sphalerite; quartz-sericite shear mineralization is about two feet wide
2180-R	LCA3	9	0.3	15	10	10	Au -.1 As -10 spectro	Type:chip; bedrock; bedrock of iron-stained alaskite-granite; 4% pyrite in phenocrysts; minor sericite
2181-R	LCA3	16	0.6	5	41	74	Au -.1 spectro	Type:chip; bedrock; bedrock of iron-stained granite; light to moderate sericite; shear?

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2182-R	LCA3	44	0.9	2	26	74	Au -.1	STr wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:glcl; float of diorite, gabbro, andesite and basalt
2183-R	LCA3	11	0.4	8	17	14	Au -.1 As -10 spectro	Type:chip; bedrock; bedrock of iron-stained diorite with up to 6% pyrite and moderate sericite
2184-D	LCA3	40	0.5	1	11	30		Float of 90% diorite and 10% schist
2185-R	LCA3	2500	7.2	10	1300	3000	Au -.1 W -.005% Sn -.005% Ta -50, Cd 22 spectro, Be 2, Nb -20	Type:chip; bedrock; hi graded; four to six-inch massive sulfide vein, 70% pyrite, 5% chalcopyrite, 25% magnetite, less than 1% bornite(?) in quartz-chlorite schist
2186-R	LCA3	21	1.6	1	24	340	Au -.1 Sn -.005%, W -.005% Cd -1, Ta -50, Be 3	Type:chip; rubble crop; hi graded; quartz-biotite-chlorite schist with 3% pyrite; strong brown iron oxide
2187-S	LCA3	19	1.2	9	21	190	As -10 W 6, Sn -10 Cd 1	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand/silt; org:med; str situs:clvl; schist and monzonite
2188-R	LCA4	20	1.6	1	23	38	Au -.1 W -.005% Sn -.005% Cd -1 Be 6	Type:chip; rubble crop; float of strong quartz-sericite felsite and minor chloritic altered diorite; moderate light brown iron oxide and limonite after pyrite (1 to 3%)
2189-D	LCA4	150	1.0	1	36	84	As -10 W 6 Sn -10 Cd -1	Dpth:4; hor:B; size:silt; moist:med; color:red/brown; soil situs:rsdl/clvl; org:low; frozen:no; float of 80% greenstone and 20% diorite; 1000 feet east of Tak II deposit

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2190-R	LCA4	180	1.0	1	12	54	Au -.1 W -.005% Sn -.005% Cd -1 Ta -50, Be 4	Type:chip; bedrock; 10-foot chip of greenstone; dark, fine-grained; slightly green from chlorite-epidote; traces of pyrite; on central promentory on Tak claims
2191-R	LCA4	210	1.0	2	19	58	Au -.1 W -.005%, Sn -.005% Cd -1, Be 5, Nb -50 spectro	Type:chip; bedrock; bedrock of basalt to greenstone with 1% disseminated and stringer chalcopyrite, very fine-grained; from Tak II drill site
2192-R	LCA3	18	1.0	1	15	64	Au -.1	Type:chip; rubble crop; float of medium-grained unmineralized diorite with weak chloritic altered mafics
2193-R	LCA3	6	0.9	1	12	68	Au -.1	Type:chip; rubble crop; bedrock of medium-grained, barren granodiorite
2194-R	LCA3	7	0.6	1	32	100	Au -.1 W -.005%, Sn -.005%	Type:chip; rubble crop; same as 2193 with weak epidote
2195-R	LCA4	89	1.0	1	11	37	Au -.1 W -.005%, Sn -.005% spectro, Cd 1.4	Type:chip; bedrock; bedrock of moderately propylitic-altered greenstone
2196-R	LCA4	11	2.5	4	74	48	Au -.1 W -.005% Sn -.005% Cd 5.0 spectro	Type:chip; bedrock; 50-foot outcrop of limestone on ridge; has stockwork veining of a light tan-green soft carbonate; traces of chalcopyrite, malachite, but not included in sample; 10-foot chip
2197-R	LCA4	17	0.7	9	15	89	Au -.1	Type:chip; rubble crop; hi graded; 10-foot chip of 30 to 40-foot wide iron-stained andesite porphyry with 1% disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2198-R	LCA4	190	1.3	1	16	86	Au -.1 W -.005% Sn -.005%	Type:chip; bedrock; bedrock of greensone with moderate quartz stringers and minor epidote
2199-S	LCA4	29	0.7	2	36	72	Au -.1 As 10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; bedrock of flow-banded rhyodacite; float of flow-banded rhyodacite and andesite
2200-S	LCA4	24	1.1	3	20	72	Au -.1 As 10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; original bedrock of rhyodacite-latite(?) altered to silica and sericite with 1 to 3% pyrite; float of basalt, andesite, agglomerate tuff latite, and like bedrock
2201-R	LCA4	16	0.8	5	26	50	Au -.1 As 10 spectro	Type:chip; bedrock; volcanic breccia-probably quartz latite; sericitized, epidotized, and pyritized; sampled 18-foot width, total width about 25 feet; irregular zone of pyritization, both vertical-wise and width-wise
2202-S	LCA4	27	0.6	-1	20	48	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood: no; size:sand/silt; org:low; str situs: alvl; bedrock and float of volcanics, some with very minor disseminated pyrite; lots of pyroclastics; sampled stream (dry sand) that drains into pond from the north

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2203-S	LCA4	36	0.8	1	32	72	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:silt; org:low; str situs:alvl; bedrock and float of volcanics; sampled stream (mud) that drains into pond from the south; disseminated euhedral, fine-grained pyrite in fragmental volcanic float
2204-S	LCA4	27	0.7	1	20	42	Au -.1 As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:sand/silt/clay; org: low; str situs:alvl; bedrock of barren volcanics
2205-S	LCA4	12	0.6	-1	17	36	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; bedrock and float of barren volcanics
2206-S	LCA4	10	0.8	-1	65	84	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; org:low; str situs:alvl; bedrock and float of barren volcanics
2207-S	LCA4	25	0.8	1	31	68	Au -.1 As 10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand/silt; org:high; str situs:alvl; bedrock of volcanics, some with minor pyrite; float of volcanics, some with minor pyrite and pyrrhotite
2208-S	LCA4	19	0.8	1	20	70	Au -.1 As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; no bedrock
2209-R	LCB3	45	1.0	1	18	42	Au -.1 As -10 spectro	Type:chip; bedrock/rubble crop; plicated schist with occasional minor pyrite-pyrrhotite; sample representative of about a 60-foot thick section on top of the mountain; sample assumed to be devoid of copper, lead, zine, silver, gold, etc; strike of plane of schistosity about N40E

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2210-R	LCB3	260	0.9	1	34	67	Au -.1 As -10	Type:chip; bedrock/rubble crop; 60-foot representative sample of barren schist; change in plane of schistosity from N40E to N15E; evidence of minor leached sulfides or oxidized magnetite
2211-R	LCB3	21	1.3	2	22	45	Au -.1 As -10	Type:chip; bedrock/rubble crop; 60-foot sample of barren schist, some of it calcite schist; within sampled area if a rock cairn (land boundary?) five feet high and three feet wide
2212-R	LCB3	14	1.1	2	25	61	Au -.1 As -10	Type:chip; bedrock; sampled across about 75 feet of barren schist; strike still N15E
2213-S	LCB3	26	1.1	2	21	61	Au -.1 As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:silt/clay; org:high; str situs:bedrock; bedrock and float of barren schist
2214-R	LCB3	11	3.1	3	37	14	Au -.1 As -10 spectro	Type:chip; bedrock; about 25 feet of barren schist and 75 feet of barren recrystallized limestone in sample; limestone at least 100 feet thick here; strike of linearity still N15E, dip about 75SE
2215-R	LCB3	190	1.0	4	12	77	Au -.1 As 150 spectro	Type:chip; bedrock; irregularly pyritized schist, with at best minor quantities of pyrite; on hangingwall of limestone; sampled about 50 feet; total thickness maybe 75 feet; makes spectacular outcrop

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2216-R	LCB3	60	1.2	2	20	76	Au -.1 As -10	Type:chip; bedrock; sample of 50 feet of barren schist with minor erratic pyrrhotite
2217-R	LCA4	180	1.6	1	28	36	Au -.1 W -.005% Sn -.005%	Type:chip; bedrock; eight-foot chip of greenstone with moderate epidote and minor specularite; 20 feet from limestone contact
2218-R	LCA4	6	0.3	1	11	75	Au -.1 W -.005% Sn -.005%	Type:chip; rubble crop; float of fine-grained quartz-rich granite(?) or felsite with moderate brown pervasive iron oxide
2219-R	LCA4	20	0.8	10	14	88	Au -.1 W -.005% Sn -.005%	Type:chip; rubble crop; intermediate tuff flow breccia; welded(?) tuff; patchy iron stain with less than 1% pyrite
2220-R	LCA4	65	1.0	5	21	82	Au -.1 W -.005% Sn -.005% Cd 1.4 spectro	Type:chip; rubble crop; volcanic flow breccia with strong epidote and less than 1% specularite; ¼ to three-inch fragments of mostly intermediate volcanics, and minor intrusive clasts
2221-R	LCA4	22	1.2	1	16	54	Au -.1 W -.005% Sn -.005%	Type:chip; rubble crop; greenish volcanic flow breccia, partially agglomerate with less than four-inch clasts; traces of pyrite
2222-D	LCA4	230	1.4	1	22	65	Au -.1 As -10	Dpth:4; hor:B/C; size:silt; moist: med; color:brown; soil situs:rsdl; org:low; frozen:no; bedrock of greenstone (could be basalt or metashale) with black, massive, fine-grained slight epidote
2223-S	LCA3	50	0.8	3	10	47	Au -.1 As -10 W 3 Sn -10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:alvl; float of 90% quartz diorite and 10% granodiorite; rare diorite cobbles with 1 to 3% pyrite and moderate brown iron oxide and weak argillic alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2224-S	LCA3	25	0.8	1	11	45	As -10 W -2 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:high; str situs:alvl; float of granodiorite to quartz diorite- barren and fresh
2225-S	LCA3	65	1.1	2	14	81	As -10 W -2 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:high; str situs:alvl; float of 50% quartz diorite and 50% fine-grained quartz schist
2226-D	LCA3	78	1.1	3	18	93	As -10	Dpth:8; hor:B; size:silt/clay; moist: med; color:brown; soil situs:clvl; org:med; frozen:no; schist float
2227-S	LCA3	49	0.7	2	10	59	As -10	Str wdth:10-15; av str dpth:1-2; in flood:no; size:sand; org:low; str situs:alvl; float of 75% intermediate intrusives and 25% schist; 1% of float has pyrite and iron oxide
2228-D	LCA3	35	1.2	4	15	39	As -10	Dpth:10; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl/clvl; org: med; frozen:no; gneiss float
2229-S	LCA3	40	1.1	12	13	45	As -10	Str wdth:1-3; av str dpth:dry; in flood:no; size:sand; org:med; str situs:alvl; float mostly greenstone
2230-S	LCA3	43	1.0	2	18	88	As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of 60% greenstone, 20% volcanics, 10% granite, and rare iron-stained pyritized cobble
2231-S	LCA3	13	0.9	1	11	21	As -10	Str wdth:6-10; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; 50% greenstone and volcanic agglomerate; 50% quartz monzonite porphyry

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2232-R	LCA4	22	1.0	10	14	62	Au -.1 As 10 spectro	Type:chip; bedrock; in stream bed at "contact" of sericite-altered agglomerate with epidote-altered agglomerate (rhyodacite?); sample is iron-stained with minor sericite
2233-D	LCA4	15	0.9	4	22	64	Au -.1 As 10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; float of andesite, rhyodacite, basalt, latite, agglomerate
2234-R	LCA4	42	0.6	1	17	60	Au -.1 As 10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; agglomerate bedrock; float primarily agglomerate plus latite
2235-R	LCA4	47	0.9	3	22	84	Au -.1 As 40	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock of sericitized tuff agglomerate; float like bedrock, plus gabbro, basalt, latite and limestone
2236-S	LCA4	17	0.9	1	26	90	Au -.1 As -10 Be 2	Str wdth:3-6; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float of andesite, latite, rhyodacite and agglomerates
2237-D	LCA4	18	1.0	1	23	61	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of agglomerates, andesite and latite
2238-S	LCA4	28	1.0	1	28	76	Au -.1 As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; float of andesite and latite flow and flow breccia and agglomerate(?), hornblende-quartz-diorite, pink granite, and metasiltstone(?)

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2239-R	LCA4	16	1.7	1	21	55	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:bedrock; bedrock of porphyritic andeiste; sample includes some calcium carbonate veins from stream bedrock; float of andesite, basalt, and fine-grained intermediate volcanics
2240-R	LCA4	16	1.9	2	34	69	Au -.1 As -10 spectro	Type:chip; bedrock; iron-stained, decomposed bedrock (fault zone) in creek- calcium carbonate veinlets in andesite
2241-S	LCA4	27	1.0	1	40	83	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; andesite bedrock; float of andesite, metasiltstone, agglomerates, and fine-grained volcanics(?)
2242-D	LCA4	17	0.9	1	29	60	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl; org:med; frozen:no; float of agglomerates, andesite, dacite and tuffs
2243-D	LCA4	19	1.0	1	30	48	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl; org:med; frozen:no; float of volcanics-andesite, tuff, agglomerate
2244-R	LCA4	31	1.6	6	20-	56	Au -.1 As 570	Type:grab; float; talus of felsite-medium to fine-grained granite-alaskite near aplitic texture; iron-stained; occasional quartz vein

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2245-R	LCA4	37	0.5	6	16	26	Au -.1 As -10 spectro	Type:chip; bedrock; weak to moderate sericite, about 1% pyrite, and 3% iron oxides in felsite- medium to fine-grained granitic(?) alaskite(?)
2246-D	LCA4	22	1.1	1	22	55	Au -.1 As -10	Dpth:6; hor:A; size:sand/silt; moist: med; color:brown; soil situs:alvl; org:med; frozen:no; andesite talus float
2247-D	LCA4	14	0.9	1	13	32	Au -.1 As -10	Dpth:4; hor:A; size:sand/silt; moist: med; color:brown; soil situs:talus; org:high; frozen:no; float of volcanics- primarily andesite
2248-R	LCA4	12	0.9	2	20	87	Au -.1 As -10 spectro	Type:chip; bedrock; light greenish-gray weathered outcrop of chloritized flow breccia, andesitic composition
2249-R	LCA4	11	0.7	2	24	74	Au -.1 As -10	Type:chip; bedrock; bedrock of medium-grained epidote-chlorite monzonite
2250-D	LCA4	92	1.8	1	420	186	Au -.1 As 10 W 2 Sn -10 Hg 20 Sb 5	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; org:low; frozen:no; bedrock of chloritized, epidotized metasediments; float of skarn with a trace of copper oxide, limestone, metasediments, and volcanics
2251-R	LCA3	13	0.8	1	9	70	Au -.1 spectro	Type:grab; float; quartz-chlorite-pyrite schist talus from outcrop 50 feet above; rusty zone 50 feet long on strike covered above and below; about 100 feet of vertical exposure
2252-R	LCA3	90	3.2	1	790	400	Au -.1 spectro	Type:grab/chip; bedrock; rusty pod 10 feet in diameter in quartz-sericite-pyrite schist

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2253-R	LCA4	310	9.1	1	2300	300	Au -.1 spectro	Type:chip; bedrock; composite chip of pod 200 by 300 feet of quartz-chlorite-sericite schist with about 5% pyrite
2254-R	LCA3	570	3.0		570		Au -.1	Type:chip; rubble crop; limey(?) metasiltstone with about 2% fine-grained pyrite and epidote on fracture surfaces; area extends several thousand feet in each direction
2256-R	LCA3	9	0.4	5	17	12	Au -.1 As -10 spectro	Type:chip; bedrock/rubble crop; chip sample of about 150 feet of iron-stained granite; oxide due largely to oxidized magnetite- 2 to 3%; some iron oxide, probably less than 1% due to oxidized sulfides, probably pyrite; granite either sheared or faulted N60W vertical; contact with volcanics about N50E or lineation in volcanics about N50E
2257-S	LCA3	33	0.8	3	12	46	Au -.1 As -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org:low; str situs:alvl; largely intermediate volcanics, plus the gabbroic (meta-andesite?) rocks along the weakly pyritized granite contact; gabbroic rocks carry very minor patchy pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2258-S	LCA3	42	0.9	4	16	43	Au -.1 As -10	Str wdth:10-15; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; iron-stained, weakly pyritized granite; this sample should reflect the metal values of both the granite and the volcanics; evidence is that there are no economic values
2259-D	LCA3	45	1.0	4	19	55	Au -.1 As -10	Dpth:8; hor:B; size:silt; moist:dry; color:brown; soil situs:alvl; org: med; frozen:no; sample taken in floor of valley which may have been a stream in the not too distant past; volcanics outcrop on the south side of the valley, alluvium on the north side
2260-R	LCA3	51	1.0	7	21	30	Au -.1 As 30 spectro	Type:chip; bedrock; representative chip sample of about 150 feet of moderately pyritized granite; contains horses of relatively unpyritized granite; total sulfide content about 3%
2261-R	LCA3	39	0.7	3	12	17	Au -.1 As 70 spectro	Type:chip; bedrock; chip sample of about 100 feet of pyritized granite; last 50 feet vuggy- vugs lined with quartz crystals; rock contains many xenoliths of volcanics
2262-R	LCA3	45	1.0	2	27	37	Au -.1 As 10	Type:chip; bedrock; from 2261, skipped 50 feet of barren volcanics, then took sample of 25 feet of pyritized granite similar to last 50 feet of 2261; beyond 2262, about 1000 feet of barren volcanics, then more iron stain

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2263-R	LCA3	4	0.4	1	11	14	Au -.1	Type:chip; bedrock; chip sample of 75 feet of absolutely barren, worthless granite within 50 feet of overlying barren volcanic contact; granite is intrusive into volcanics and volcanics here appear to be large xenoliths or small roof pendants
2264-R	LCA3	49	1.1	1	15	65	Au -.1 As -10 spectro	Type:chip; bedrock; barren, worthless propyllitized pyroclastic; occasional patches a foot or two square of pyritization; veined by barren granite whose intrusive contact is 10 to 15 feet below sampled area; fault here in volcanics N65W65SW; chip sample of 60-foot outcrop
2265-S	LCA3	35	0.7	1	18	47	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; on contact between barren granite and somewhat pyritized metasediments underlain by granite; float of granite, metasediments and volcanics
2266-R	LCA4	4	1.6	1	370	31	Au -.1 As -10 W -.005% Sn -.005% Hg 30 Sb -5 Ba 150 spectro	Type:grab; float; pink, massive, fine-grained carbonate with blebs of gray and red fine-grained minerals- density is somewhat high for carbonate; only one piece of float in gully; may be glacially transported(?); carbonate may be high in barium, manganese; rhodochrosite, barite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2267-R	LCA4	240	1.8	2	42	49	Au -.1 As 20 W -.005% Sn -.005% Ba 15, Ni 62 spectro	Type:grab; float; bedrock of meta-sediments with strong epidote and chlorite; talus in small drainage-boulders of skarn, two garnets, magnetitek epidote, calcite, calcium silicate(?), trace of copper oxide
2268-S	LCA4	54	1.8	1	57	100	Au -.1 As -10 W 2	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:med; str situs:alvl; bedrock of silicious metasiltstone, metasandstone and slabs with schlieren-like pattern and epidote; float like bedrock plus basalt to latitie, limestone, and phyllitic shales
2269-D	LCA4	38	1.1	1	29	69	Au -.1 As -10	Dpth:6; hor:B; size:sand; moist:med; color:brown; soil situs:clvl; org: high; frozen:no; bedrock of meta-sediments similar to 2268 and andesite dike; float like bedrock plus basalt to latite volcanics
2270-D	LCA3	30	1.2	16	74	69	Au -.1 As -10 W 6	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of epidote-chlorite granite with trace of pyrite and occasional specularite vein; intruding andesite to basalt and fine-grained diorite-gabbro
2271-R	LCA3	37	1.0	4	17	26	Au -.1 As -10 spectro	Type:grab; float; float of quartz-carbonate veins from gabbro and granite float blocks with minor pyrite, specularite, and a trace of pyrite

X490

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2272-D	LCA3	54	0.9	1	18	52	Au -.1 As -10 spectro	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of fine to medium-grained gabbro and andesite-basalt, and medium-grained granite with 1 to 3% pyrite
2273-R	LCA3	9	0.6	3	10	75	Au -.1 As -10 spectro	Type:grab; rubble crop; float of iron-stained porphyritic andesite with disseminated pyrite up to 10%
2274-D	LCA3	16	0.9	1	15	90	Au -.1 As -10	Dpth:2; hor:B; size:sand/silt; moist dry; color:brown; soil situs:talus; org:low; frozen:no; bedrock of andesite flow and flow breccia; float of andesite, andesite breccia, and fine-grained volcanic sediments or flow volcanics
2275-R	LCA3	12	0.6	1	7	42	Au -.1 As -10	Type:chip; bedrock; barren, worthless subgneissic granite; chip sample of about 60 feet of outcrop
2276-R	LCB2	40	0.8	1	13	47	Au -.1	Type:chip; bedrock; hi graded; three to four-foot irregular, fractured, and weak argillic-altered zone of granite with 1 to 3% disseminated and vein coated pyrite; moderate brown iron oxide
2277-D	LCB2	89	0.4	11	88	111	As -10	Dpth:4; hor:B; size:silt/clay; moist: med; color:brown; soil situs:talus; org:low; frozen:no; granite float, 50% with moderate brown iron oxide and less than 1% pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2278-S	LCB2	310	1.4	21	32	106	Au -.1 As -10 W 5 Sn -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl/bedrock; bedrock of granodiorite, medium-grained, with strong argillic to moderate quartz-sericite alteration; 3 to 6% pyrite; strong yellow-brown iron oxide; one piece of sheared, fine-grained gabbro with 3% disseminated chalcopyrite and strong magnetite in float
2279-R	LCB2	36	0.8	102	12	6	Au -.1 spectro	Type:chip; bedrock; hi graded; bedrock has white felsite dike cutting altered granite (2280) with 3 to 5% disseminated pyrite and 1% MoS_2 near margin; hard to tell thickness-15 to 20 feet?; outcrops in stream bottom
2280-R	LCB2	64	1.0	9	21	14	Au -.1 spectro	Type:chip; bedrock; 15-foot chip of quartz-sericite-clay altered granite with 3 to 5% disseminated pyrite and a trace of moly(?); strong brown iron oxide; near 2279
2281-S	LCA3	26	1.1	8	20	93	As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:silt; org:high; str situs:alvl; float mostly unaltered quartz-monzonite porphyry
2282-S	LCA3	18	0.9	1	15	64	As -10	Str wdth:10-15; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of 95% quartz-monzonite porphyry and 5% volcanic agglomerate with less than two-inch clasts
2283-S	LCA3	20	0.9	1	13	37	As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; quartz monzonite float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2284-S	LCA3	35	0.8	1	14	52	As -10	Float of 50% granodiorite-quartz monzonite and 50% greenstone and intermediate volcanics
2285-S	LCA3	29	0.8	1	15	65	As -10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:med; str situs:avlv; float of quartz monzonite and granite and 50% greenstone and volcanics
2286-R	LCA2	74	0.8	1	10	50	Au -.1 Ni 31	Type:chip; bedrock; fine to medium-grained gabbro, nonmineralized
2287-S	LCA2	33	0.7	1	8	33	Au -.1	Moist:med; color:brown; soil situs: glcl; org:low; frozen:no; same as 2286
2288-R	LCB2	110	1.0	23	9	68	Au -.1 W -.005% Sn -.005% spectro	Type:chip; float; medium-grained, slightly chloritized and weak sericite-altered granodiorite with 1 to 3% pyrite as fracture coating and disseminations; moderate brown iron oxide; minor porphyritic monzonite dike rock; weak magnetite
2289-R	LCB2	50	1.0	9	16	46	Au -.1 W -.005% Sn -.005%	Type:chip; float; granodiorite or quartz monzonite- same as 2288; talus sample
2290-R	LCB2	21	0.6	13	14	58	Au -.1 Sn -.005%, W -.005%	Type:chip; bedrock; moderate gossan with 1 to 3% pyrite; same as 2288
2291-R	LCA3	210	1.6	1	11	77	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; 30-foot representative sample of sheared quartz-chlorite-biotite schist with 5 to 10% pyrite and strong iron oxide; near base of waterfall
2292-R	LCA3	10	0.4	8	8	35	Au -.1 As -10 spectro	Type:chip; bedrock; iron-stained andesite breccia with very fine disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2293-R	LCA3	10	0.6	10	14	73	Au -.1 As -10	Type:grab; float; talus of iron-stained andesite and fine-grained volcanics
2294-D	LCA3	29	0.8	1	18	56	Au -.1 As -10	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; float of andesite and fine-grained volcanics and granite
2295-R	LCA3	29	1.9	1	75	250	Au -.1 As -10 spectro	Type:grab; rubble crop; bedrock of sericitized, sheared, fine-grained volcanics
2296-R	LCA3	38	1.1	1	20	65	Au -.1 As -10 spectro	Type:grab; rubble crop; bedrock of iron-stained (and non-iron-stained) sericitized, fine to medium-grained hornblende gabbro with strong sericite
2297-R	LCA4	14	0.7	2	15	74	Au -.1 As -10 W -.005%	Type:chip; bedrock; dark green, sub-schistose metasandstone and metasilt-stone with chlorite-epidote interbedded (?) with volanics- basalt and andesite; minor quartz veining
2298-R	LCA4	3	0.6	1	14	109	Au -.1 As -10 spectro	Type:grab; rubble crop; iron-stained, vuggy, fine-grained trachyte (or rhyolite- no quartz phenocrysts) with 6 to 8% limonite
2299-R	LCA4	76	1.4	1	19	132	Au -.1 As -10	Type:chip; bedrock; 30-foot wide iron-stained subschistose metasilt-stone unit in metasediments
2300-D	LCA4	40	1.0	1	19	72	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:frost boil; org:med; frozen:no; float of metasediments to subschist and limestone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2301-D	LCA4	61	0.9	1	28	112	Au -.1 As 20	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; float of schist and subschistose metasandstone and metasiltstone
2302-R	LCA4	39	1.4	1	20	51	Au -.1 As -10	Type:chip; bedrock; iron-stained schists- chlorite-serpentinite schists with limy schist unit within; pyrite on fracture planes; quartz veining
2303-D	LCA4	52	1.0	1	15	81	Au -.1 As 380	Dpth:4; hor:B; size:sand/silt; moist: color:brown; soil situs:talus; org: med; frozen:no; subschistose lime-stone bedrock; float of iron-stained iron carbonate and limestone
2304-R	LCA4	11	0.2	1	6	11	Au -.1 As -10	Type:chip; bedrock; metasandstone, highly fractured, with quartz veins throughout; sample is mainly quartz
2305-D	LCA3	180	1.0	1	42	230	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:glcl; org:low; frozen:no; float of meta-sandstone, metasiltstone, occasional limestone, andesite, andesite flow breccia or agglomerate; minor iron stain on 5% of talus
2306-R	LCA3	23	0.3	1	28	23	Au-.1, As-10	Type:grab; float; quartz vein float
2307-R	LCA3	13	0.4	4	25	47	Au -.1 As -10 spectro	Type:grab; float; iron-stained, silicious (deuterically altered) andesite with pyrite intimately mixed wtih dark greenish-gray sulfide(?) which is fine-grained in blebs

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2308-S	LCA3	83	1.0	1	56	110	Au -.1 As 10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float of meta-siltstone, metasandstone and andesite
2309-R	LCA3	3200	15.6	14	47	110	Au -.1 As -10 Sn 0.0075% spectro	Type:chip; bedrock; copper oxides and a trace of chalcopyrite in meta-siltstone and metasandstone; minor amounts of pyrite and pyrrhotite (probably fracture plane) mineralization
2310-D	LCA3	61	1.1	9	28	67	Au -.1 As -10 Sn -.0025% spectro	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; bedrock of por-phyritic andesite with strong chlorite and epidote
2311-R	LCA3	44	2.4	80	131	730	Au -.1 As -10 spectro, Sn 0.0025%	Type:chip; bedrock; silica-pyrite-sericite at contact of metasediments with monzonite
2312-D	LCA2	63	1.2	7	16	29	Au -.1	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of chlorite-epidote-hornblende diorite with trace of pyrite
2313-R	LCA2	140	1.5	6	18	16	Au -.1 As 30	Type:chip; bedrock; bedrock of dark gray, fine-grained gneiss with strong non-planar quartz veining; sample in-cludes minor silica shear
2314-R	LCA2	0.04%	0.02 oz/ton	0.002%	0.007%	0.18%	Au -.001 As -.001 spectro	Type:chip; bedrock; iron-stained, gneissic, fine-grained metasediment with quartz veining, weak to moderate pyrite, and chalcopyrite variable but up to 4%

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2315-R	LCB2	34	0.9	3	24	110	Au -.1 W -.005%, Sn -.005%	Type:chip; bedrock; quartz-monzonite porphyry with less than 1% pyrite
2316-R	LCB2	30	0.5	2	8	41	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; quartz-monzonite porphyry with weak iron oxide and less than 1% pyrite; 1% disseminated unknown blue-black metallic
2317-S	LCB2	350	2.4	32	440	390	Au -.1 As 10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:bedrock; bedrock of weak quartz-sericite altered quartz-monzonite porphyry with 3 to 5% disseminated pyrite; blue-black unknown, probably manganese oxide; moderate brown iron oxide
2318-R	LCB2	33	0.5	2	13	36	Au-.1, spec.	Type:chip; bedrock; same as 2317
2319-R	LCB2	23	0.5	3	10	12	Au -.1	Type:chip; bedrock; quartz monzonite with weak argillic alteration and less than 2% pyrite; less than 1% blue-black dissemination- manganese oxide(?)
2320-S	LCB2	31	1.0	1	14	29	As -10	Str wdth:10-15; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:bedrock; float of granite and granodiorite and quartz monzonite and diorite
2321-S	LCB2	70	1.2	3	20	65	As -10	STr wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str ditus:glcl; float of weakly iron-stained granodiorite with less than 1% pyrite and moderate propylitic alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2322-S	LCB2	23	1.0	1	16	41		Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:glcl; float of granodiorite with minor carbonate-iron oxide veins and weak propylitic alteration
2323-D	LCB2	30	1.4	1	18	26	As -10 Ni 19	Dpth:2; hor:C; size:silt; moist:med; color:black; soil situs:glcl; org: low; frozen:no; float of 80% medium-grained gabbro with weak pyrite, strong magnetite and a trace of chalcopyrite, and 20% diorite
2324-S	LCB2	70	1.4	1	29	58	As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt/clay; org:low; str situs:alvl/bedrock; gabbro porphyry bedrock with plagioclase phenocrysts up to ¼ inch and traces of pyrite; float of 50% gabbro and 50% granite
2325-S	LCB2	49	1.2	1	59	92	As -10	Str wdth:1-31 av str dpth:dry; in flood:no; size:silt/clay; org:low; str situs:alvl; float of propylitic altered granodiorite with less than 1% pyrite
2326-R	LCA3	29	1.5	1	13	110	Au -.1 spectro	Type:chip; bedrock; quartz-sericite-chlorite schist
2327-R	LCA3	67	1.3	2	14	180	Au -.1 spectro	Type:chip; bedrock; quartz-chlorite-sericite-pyrite schist
2328-R	LCA3	13	0.8	1	9	80	Au -.1 spectro	Type:chip; bedrock; schist with 1% pyrite; minor andesite porphyry dike with less than 1% disseminated pyrite
2329-R	LCA3	9	0.8	1	9	66	Au -.1 spectro	Type:chip; bedrock; 1% pyrite in quartz-chlorite-cericite schist

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2330-R	LCA3	15	0.8	1	9	101	Au -.1 spectro	Type:chip; bedrock; 1% pyrite in quartz-sericite-pyrite schist
2331-R	LCA3	510	1.7	1	11	182	Au -.1 W -.005%, Sn -.005%, spectro	Type:chip; bedrock; 3% pyrite in quartz-chlorite-sericite schist
2332-R	LCA3	105	1.0	1	11	164	Au -.1 spectro Cd 1.2	Type:chip; bedrock; 5% pyrite in quartz-chlorite-sericite schist
2333-S	LCA3	30	1.0	1	16	52	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:med; str situs:alvl; float of 50% granite and 50% intermediate volcanics
2334-D	LCA3	180	1.1	2	25	54	As 10	Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:alvl; org: high; frozen:no; float mostly fine-grained diorite
2335-D	LCA3	53	1.4	12	21	42	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:talus; org: low; frozen:no; float of 80% dolomitic limestone with less than 1% disseminated specularite, and 20% basalt-diabase with less than 1% disseminated magnetite
2336-R	LCA3	6	0.4	1	6	12	Au -.1 W -.005%, Sn -.005%	Type:chip; bedrock; limy, finely crystalline granite
2337-S	LCA3	24	0.6	1	12	45	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:med; str situs:avlv; 50% granite and 50% andesite
2338-R	LCA3	11	0.7	3	12	65	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; 15-foot chip of silicious iron-stained quartz monzonite(?) with 1 to 3% disseminated pyrite and weak brown iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2339-S		87	2.6	11	320	1030	As 60 W -.005% Sn -.005%	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 70% moderate brown iron-stained volcanic agglomerate and breccia with moderate to strong pyrite-quartz-sericite alteration and 3% pyrite
2340-R	LCA3	29	8.5	1	2000	132	Au -.1 As 90 W -.005% spectro	Type:chip; bedrock; hi graded; N60W shear zone with strong quartz and minor pyrite-magnetite veining with a trace of chalcopyrite-malachite; six to ten inches of gossan; 15 to 20 feet of silicification
2341-S	LCA3	55	1.1	4	44	105	As -10	Str wdth:6-10; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:alvl; intermediate volcanics, greenstones, granites to gabbros; 2 to 4% of float with iron stain
2342-S	LCB2	26	0.7	1	11	44	As -10 W 2 Sn -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:glcl; float of 98% barren coarse-grained granite and less than 2% andesite and basalt dike rock
2343-R	LCA2	110	1.3	3	18	31	Au -.1 Sn -.005%, V 130 Co 17, Ni 29	Type:grab; float; iron-stained moraine-gneissic metasediments with pyrite, pyrrhotite and magnetite; minor gabbro
2344-R	LCA2	76	1.3	3	18	42	Au -.1 spectro	Type:chip; bedrock; metasandstone with quartz veins common; trace of very fine-grained chalcopyrite disseminated and on microfracture planes; copper oxides on larger (five-inch) quartz veins

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2345-R	LCA2	550	1.0	2	9	14	Au -.1	Type:grab; float; quartz veins in talus from outcrop above- chlorite-(minor)epidote metasandstone with trace of chalcopyrite; quartz veins have blebs of chalcopyrite
2346-S	LCA2	130	1.2	1	21	76	Au -.1 As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of diorite, metasandstone, siltstone and minor gabbro
2347-S	LCA2	89	1.3	14	44	87	Au -.1 As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:med; str situs:glcl; diorite float
2348-S	LCA3	64	1.3	12	27	48	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:clvl; diorite float
2349-S	LCA3	24	1.2	7	27	33	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:clvl; no float
2350-R	LCA3	56	0.8	1	18	36	Au -.1 As -10	Type:chip; bedrock; strongly jointed microgabbro (looks like basalt in hand specimen) with minor chlorite and epidote
2351-S	LCA3	28	0.4	-1	16	60	Au -.1 As -10 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of 90% quartz monzonite to granite and 10% aplite, trachyte and andesite
2352-S	LCA3	36	0.6	1	24	57	Au -.1 As -10 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:glcl; float of diorite and minor brecciated andesite with basalt; iron-stained float contains up to 6% disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2353-R	LCB3	26	0.4	1	11	41	Au -.1 As -10	Type:grab; float; hi graded; talus zone with iron-stained float only; andesite to latitie flow breccia with blebs and fine-grained disseminated pyrite (3%); float of basalt, latitie, and andesite-latite breccia not sampled
2354-R	LCB3	18	0.5	4	17	33	Au -.1 As -10	Type:chip; bedrock; iron-stained andesite(?) with up to 5% pyrite; feldspar altered to minor sericite (deuteric alteration); minor boxwork after pyrite
2355-D	LCB3	30	0.6	5	49	64	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; iron-stained andesite with up to 5% pyrite, andesite to latite breccia, and basalt
2356-D	LCA3	47	1.4	10	53	250	Au -.1 As -10	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; bedrock of iron-stained, medium to fine-grained granite with weak sericite
2357-R	LCA3	20,000	90.0	107	16,800	2800	Au -.1 As -10 W -.005% Sn -.005% spectro	Type:chip; bedrock; hi graded; medium to fine-grained granite, iron-stained, with moderate to strong sericite at contact with basaltic(?) breccia (on top of granite); strong disseminated chalcopyrite, azurite and malachite; fracture surfaces covered with manganese, magnesium and iron(?) oxides-dark brown metallic shine, deep brown powders; only small area with chalcopyrite and copper oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2358-R	LCA3	180	1.3	5	196	145	Au -.1 As -10 Sn -.005%, W -.005% spectro	Type:chip; bedrock; mylonized granite- shear zone with decomposed, silicified, iron-stained, fine-grained granite
2359-D	LCA4	20	-.1	-1	19	36	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; float of silicious andesite breccia with clasts less than 1/8-inch and weak brown iron oxide
2360-R	LHB1	14	1.4	1	380	720	Au -.1 Cd 3 Se 98	Type:chip; bedrock; sheared andesite breccia with strong chlorite-epidote and less than 1% pyrite
2361-R	LHB1	280	6.8	-1	2800	470	Au -.1 W -.005% Sn -.005% Cd 40 Se 100	Type:chip; float; hi graded; chloritized diorite or andesite dike(?) material with less than 1/8-inch veins of galena-chalcopyrite; chip of two cobbles of float; all other float is barren; comes from small (less than 20 foot) shear dikes on west wall
2362-R	LHB1	24	1.0	1	240	68	Au -.1 Cd 1 Se 84	Type:chip; bedrock; 25-foot wide shear zone in granite porphyry; two-inch plagioclase phenocrysts; strong seal brown hematite stain; intensely fractured; traces of galena
2363-R	LHB1	16	0.4	1	31	58	Au -.1 Se 64	Type:chip; bedrock; quartz monzonite with weak chloritic alteration and less than 1% disseminated magnetite and specularite; minor shearing with hematite slicks; 10-foot random chip

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2232-R	LCA4	22	1.0	10	14	62	Au -.1 As 10 spectro	Type:chip; bedrock; in stream bed at "contact" of sericite-altered agglomerate with epidote-altered agglomerate (rhyodacite?); sample is iron-stained with minor sericite
2233-D	LCA4	15	0.9	4	22	64	Au -.1 As 10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; float of andesite, rhyodacite, basalt, latite, agglomerate
2234-R	LCA4	42	0.6	1	17	60	Au -.1 As 10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; agglomerate bedrock; float primarily agglomerate plus latite
2235-R	LCA4	47	0.9	3	22	84	Au -.1 As 40	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand; org:low; str situs:alvl; bedrock of sericitized tuff agglomerate; float like bedrock, plus gabbro, basalt, latite and limestone
2236-S	LCA4	17	0.9	1	26	90	Au -.1 As -10 Be 2	Str wdth:3-6; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float of andesite, latite, rhyodacite and agglomerates
2237-D	LCA4	18	1.0	1	23	61	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of agglomerates, andesite and latite
2238-S	LCA4	28	1.0	1	28	76	Au -.1 As -10	Str wdth:3-6; av str dpth:dry; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; float of andesite and latite flow and flow breccia and agglomerate(?), hornblende-quartz-diorite, pink granite, and metasiltstone(?)

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2239-R	LCA4	16	1.7	1	21	55	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand; org:med; str situs:bedrock; bedrock of porphyritic andeiste; sample includes some calcium carbonate veins from stream bedrock; float of andesite, basalt, and fine-grained intermediate volcanics
2240-R	LCA4	16	1.9	2	34	69	Au -.1 As -10 spectro	Type:chip; bedrock; iron-stained, decomposed bedrock (fault zone) in creek- calcium carbonate veinlets in andesite
2241-S	LCA4	27	1.0	1	40	83	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: med; str situs:alvl; andesite bedrock; float of andesite, metasiltstone, agglomerates, and fine-grained volcanics(?)
2242-D	LCA4	17	0.9	1	29	60	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl; org:med; frozen:no; float of agglomerates, andesite, dacite and tuffs
2243-D	LCA4	19	1.0	1	30	48	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:clvl; org:med; frozen:no; float of volcanics-andesite, tuff, agglomerate
2244-R	LCA4	31	1.6	6	20-	56	Au -.1 As 570	Type:grab; float; talus of felsite-medium to fine-grained granite-alaskite near aplitic texture; iron-stained; occasional quartz vein

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2245-R	LCA4	37	0.5	6	16	26	Au -.1 As -10 spectro	Type:chip; bedrock; weak to moderate sericite, about 1% pyrite, and 3% iron oxides in felsite- medium to fine-grained granitic(?) alaskite(?)
2246-D	LCA4	22	1.1	1	22	55	Au -.1 As -10	Dpth:6; hor:A; size:sand/silt; moist: med; color:brown; soil situs:alvl; org:med; frozen:no; andesite talus float
2247-D	LCA4	14	0.9	1	13	32	Au -.1 As -10	Dpth:4; hor:A; size:sand/silt; moist: med; color:brown; soil situs:talus; org:high; frozen:no; float of volcanics- primarily andesite
2248-R	LCA4	12	0.9	2	20	87	Au -.1 As -10 spectro	Type:chip; bedrock; light greenish-gray weathered outcrop of chloritized flow breccia, andesitic composition
2249-R	LCA4	11	0.7	2	24	74	Au -.1 As -10	Type:chip; bedrock; bedrock of medium-grained epidote-chlorite monzonite
2250-D	LCA4	92	1.8	1	420	186	Au -.1 As 10 W 2 Sn -10 Hg 20 Sb 5	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; org:low; frozen:no; bedrock of chloritized, epidotized metasediments; float of skarn with a trace of copper oxide, limestone, metasediments, and volcanics
2251-R	LCA3	13	0.8	1	9	70	Au -.1 spectro	Type:grab; float; quartz-chlorite-pyrite schist talus from outcrop 50 feet above; rusty zone 50 feet long on strike covered above and below; about 100 feet of vertical exposure
2252-R	LCA3	90	3.2	1	790	400	Au -.1 spectro	Type:grab/chip; bedrock; rusty pod 10 feet in diameter in quartz-sericite-pyrite schist

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2253-R	LCA4	310	9.1	1	2300	300	Au -.1 spectro	Type:chip; bedrock; composite chip of pod 200 by 300 feet of quartz-chlorite-sericite schist with about 5% pyrite
2254-R	LCA3	570	3.0		570		Au -.1	Type:chip; rubble crop; limey(?) metasiltstone with about 2% fine-grained pyrite and epidote on fracture surfaces; area extends several thousand feet in each direction
2256-R	LCA3	9	0.4	5	17	12	Au -.1 As -10 spectro	Type:chip; bedrock/rubble crop; chip sample of about 150 feet of iron-stained granite; oxide due largely to oxidized magnetite- 2 to 3%; some iron oxide, probably less than 1% due to oxidized sulfides, probably pyrite; granite either sheared or faulted N60W vertical; contact with volcanics about N50E or lineation in volcanics about N50E
2257-S	LCA3	33	0.8	3	12	46	Au -.1 As -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:grvl/sand/silt; org:low; str situs:alvl; largely intermediate volcanics, plus the gabbroic (meta-andesite?) rocks along the weakly pyritized granite contact; gabbroic rocks carry very minor patchy pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2258-S	LCA3	42	0.9	4	16	43	Au -.1 As -10	Str wdth:10-15; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; iron-stained, weakly pyritized granite; this sample should reflect the metal values of both the granite and the volcanics; evidence is that there are no economic values
2259-D	LCA3	45	1.0	4	19	55	Au -.1 As -10	Dpth:8; hor:B; size:silt; moist:dry; color:brown; soil situs:alvl; org: med; frozen:no; sample taken in floor of valley which may have been a stream in the not too distant past; volcanics outcrop on the south side of the valley, alluvium on the north side
2260-R	LCA3	51	1.0	7	21	30	Au -.1 As 30 spectro	Type:chip; bedrock; representative chip sample of about 150 feet of moderately pyritized granite; contains horses of relatively unpyritized granite; total sulfide content about 3%
2261-R	LCA3	39	0.7	3	12	17	Au -.1 As 70 spectro	Type:chip; bedrock; chip sample of about 100 feet of pyritized granite; last 50 feet vuggy- vugs lined with quartz crystals; rock contains many xenoliths of volcanics
2262-R	LCA3	45	1.0	2	27	37	Au -.1 As 10	Type:chip; bedrock; from 2261, skipped 50 feet of barren volcanics, then took sample of 25 feet of pyritized granite similar to last 50 feet of 2261; beyond 2262, about 1000 feet of barren volcanics, then more iron stain

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2263-R	LCA3	4	0.4	1	11	14	Au -.1	Type:chip; bedrock; chip sample of 75 feet of absolutely barren, worthless granite within 50 feet of overlying barren volcanic contact; granite is intrusive into volcanics and volcanics here appear to be large xenoliths or small roof pendants
2264-R	LCA3	49	1.1	1	15	65	Au -.1 As -10 spectro	Type:chip; bedrock; barren, worthless propyllitized pyroclastic; occasional patches a foot or two square of pyritization; veined by barren granite whose intrusive contact is 10 to 15 feet below sampled area; fault here in volcanics N65W65SW; chip sample of 60-foot outcrop
2265-S	LCA3	35	0.7	1	18	47	Au -.1 As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:low; str situs:alvl; on contact between barren granite and somewhat pyritized metasediments underlain by granite; float of granite, metasediments and volcanics
2266-R	LCA4	4	1.6	1	370	31	Au -.1 As -10 W -.005% Sn -.005% Hg 30 Sb -5 Ba 150 spectro	Type:grab; float; pink, massive, fine-grained carbonate with blebs of gray and red fine-grained minerals- density is somewhat high for carbonate; only one piece of float in gully; may be glacially transported(?); carbonate may be high in barium, manganese; rhodochrosite, barite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2267-R	LCA4	240	1.8	2	42	49	Au -.1 As 20 W -.005% Sn -.005% Ba 15, Ni 62 spectro	Type:grab; float; bedrock of meta-sediments with strong epidote and chlorite; talus in small drainage-boulders of skarn, two garnets, magnetitek epidote, calcite, calcium silicate(?), trace of copper oxide
2268-S	LCA4	54	1.8	1	57	100	Au -.1 As -10 W 2	Str wdth:1-3; av str dpth:dry; in flood:no; size:grvl/sand; org:med; str situs:alvl; bedrock of silicious metasiltstone, metasandstone and slabs with schlieren-like pattern and epidote; float like bedrock plus basalt to latitie, limestone, and phyllitic shales
2269-D	LCA4	38	1.1	1	29	69	Au -.1 As -10	Dpth:6; hor:B; size:sand; moist:med; color:brown; soil situs:clvl; org: high; frozen:no; bedrock of meta-sediments similar to 2268 and andesite dike; float like bedrock plus basalt to latite volcanics
2270-D	LCA3	30	1.2	16	74	69	Au -.1 As -10 W 6	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of epidote-chlorite granite with trace of pyrite and occasional specularite vein; intruding andesite to basalt and fine-grained diorite-gabbro
2271-R	LCA3	37	1.0	4	17	26	Au -.1 As -10 spectro	Type:grab; float; float of quartz-carbonate veins from gabbro and granite float blocks with minor pyrite, specularite, and a trace of pyrite

X490

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2272-D	LCA3	54	0.9	1	18	52	Au -.1 As -10 spectro	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of fine to medium-grained gabbro and andesite-basalt, and medium-grained granite with 1 to 3% pyrite
2273-R	LCA3	9	0.6	3	10	75	Au -.1 As -10 spectro	Type:grab; rubble crop; float of iron-stained porphyritic andesite with disseminated pyrite up to 10%
2274-D	LCA3	16	0.9	1	15	90	Au -.1 As -10	Dpth:2; hor:B; size:sand/silt; moist dry; color:brown; soil situs:talus; org:low; frozen:no; bedrock of andesite flow and flow breccia; float of andesite, andesite breccia, and fine-grained volcanic sediments or flow volcanics
2275-R	LCA3	12	0.6	1	7	42	Au -.1 As -10	Type:chip; bedrock; barren, worthless subgneissic granite; chip sample of about 60 feet of outcrop
2276-R	LCB2	40	0.8	1	13	47	Au -.1	Type:chip; bedrock; hi graded; three to four-foot irregular, fractured, and weak argillic-altered zone of granite with 1 to 3% disseminated and vein coated pyrite; moderate brown iron oxide
2277-D	LCB2	89	0.4	11	88	111	As -10	Dpth:4; hor:B; size:silt/clay; moist: med; color:brown; soil situs:talus; org:low; frozen:no; granite float, 50% with moderate brown iron oxide and less than 1% pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2278-S	LCB2	310	1.4	21	32	106	Au -.1 As -10 W 5 Sn -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:alvl/bedrock; bedrock of granodiorite, medium-grained, with strong argillic to moderate quartz-sericite alteration; 3 to 6% pyrite; strong yellow-brown iron oxide; one piece of sheared, fine-grained gabbro with 3% disseminated chalcopyrite and strong magnetite in float
2279-R	LCB2	36	0.8	102	12	6	Au -.1 spectro	Type:chip; bedrock; hi graded; bedrock has white felsite dike cutting altered granite (2280) with 3 to 5% disseminated pyrite and 1% MoS_2 near margin; hard to tell thickness-15 to 20 feet?; outcrops in stream bottom
2280-R	LCB2	64	1.0	9	21	14	Au -.1 spectro	Type:chip; bedrock; 15-foot chip of quartz-sericite-clay altered granite with 3 to 5% disseminated pyrite and a trace of moly(?); strong brown iron oxide; near 2279
2281-S	LCA3	26	1.1	8	20	93	As -10	Str wdth: 1; av str dpth:0-½; in flood:no; size:silt; org:high; str situs:alvl; float mostly unaltered quartz-monzonite porphyry
2282-S	LCA3	18	0.9	1	15	64	As -10	Str wdth:10-15; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; float of 95% quartz-monzonite porphyry and 5% volcanic agglomerate with less than two-inch clasts
2283-S	LCA3	20	0.9	1	13	37	As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:sand; org:low; str situs:alvl; quartz monzonite float

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2284-S	LCA3	35	0.8	1	14	52	As -10	Float of 50% granodiorite-quartz monzonite and 50% greenstone and intermediate volcanics
2285-S	LCA3	29	0.8	1	15	65	As -10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:sand/silt; org:med; str situs:avlv; float of quartz monzonite and granite and 50% greenstone and volcanics
2286-R	LCA2	74	0.8	1	10	50	Au -.1 Ni 31	Type:chip; bedrock; fine to medium-grained gabbro, nonmineralized
2287-S	LCA2	33	0.7	1	8	33	Au -.1	Moist:med; color:brown; soil situs: glcl; org:low; frozen:no; same as 2286
2288-R	LCB2	110	1.0	23	9	68	Au -.1 W -.005% Sn -.005% spectro	Type:chip; float; medium-grained, slightly chloritized and weak sericite-altered granodiorite with 1 to 3% pyrite as fracture coating and disseminations; moderate brown iron oxide; minor porphyritic monzonite dike rock; weak magnetite
2289-R	LCB2	50	1.0	9	16	46	Au -.1 W -.005% Sn -.005%	Type:chip; float; granodiorite or quartz monzonite- same as 2288; talus sample
2290-R	LCB2	21	0.6	13	14	58	Au -.1 Sn -.005%, W -.005%	Type:chip; bedrock; moderate gossan with 1 to 3% pyrite; same as 2288
2291-R	LCA3	210	1.6	1	11	77	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; 30-foot representative sample of sheared quartz-chlorite-biotite schist with 5 to 10% pyrite and strong iron oxide; near base of waterfall
2292-R	LCA3	10	0.4	8	8	35	Au -.1 As -10 spectro	Type:chip; bedrock; iron-stained andesite breccia with very fine disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2293-R	LCA3	10	0.6	10	14	73	Au -.1 As -10	Type:grab; float; talus of iron-stained andesite and fine-grained volcanics
2294-D	LCA3	29	0.8	1	18	56	Au -.1 As -10	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; float of andesite and fine-grained volcanics and granite
2295-R	LCA3	29	1.9	1	75	250	Au -.1 As -10 spectro	Type:grab; rubble crop; bedrock of sericitized, sheared, fine-grained volcanics
2296-R	LCA3	38	1.1	1	20	65	Au -.1 As -10 spectro	Type:grab; rubble crop; bedrock of iron-stained (and non-iron-stained) sericitized, fine to medium-grained hornblende gabbro with strong sericite
2297-R	LCA4	14	0.7	2	15	74	Au -.1 As -10 W -.005%	Type:chip; bedrock; dark green, sub-schistose metasandstone and metasilt-stone with chlorite-epidote interbedded (?) with volanics- basalt and andesite; minor quartz veining
2298-R	LCA4	3	0.6	1	14	109	Au -.1 As -10 spectro	Type:grab; rubble crop; iron-stained, vuggy, fine-grained trachyte (or rhyolite- no quartz phenocrysts) with 6 to 8% limonite
2299-R	LCA4	76	1.4	1	19	132	Au -.1 As -10	Type:chip; bedrock; 30-foot wide iron-stained subschistose metasilt-stone unit in metasediments
2300-D	LCA4	40	1.0	1	19	72	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:frost boil; org:med; frozen:no; float of metasediments to subschist and limestone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2301-D	LCA4	61	0.9	1	28	112	Au -.1 As 20	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; float of schist and subschistose metasandstone and metasiltstone
2302-R	LCA4	39	1.4	1	20	51	Au -.1 As -10	Type:chip; bedrock; iron-stained schists- chlorite-serpentinite schists with limy schist unit within; pyrite on fracture planes; quartz veining
2303-D	LCA4	52	1.0	1	15	81	Au -.1 As 380	Dpth:4; hor:B; size:sand/silt; moist: color:brown; soil situs:talus; org: med; frozen:no; subschistose lime-stone bedrock; float of iron-stained iron carbonate and limestone
2304-R	LCA4	11	0.2	1	6	11	Au -.1 As -10	Type:chip; bedrock; metasandstone, highly fractured, with quartz veins throughout; sample is mainly quartz
2305-D	LCA3	180	1.0	1	42	230	Au -.1 As -10	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:glcl; org:low; frozen:no; float of meta-sandstone, metasiltstone, occasional limestone, andesite, andesite flow breccia or agglomerate; minor iron stain on 5% of talus
2306-R	LCA3	23	0.3	1	28	23	Au-.1, As-10	Type:grab; float; quartz vein float
2307-R	LCA3	13	0.4	4	25	47	Au -.1 As -10 spectro	Type:grab; float; iron-stained, silicious (deuterically altered) andesite with pyrite intimately mixed wtih dark greenish-gray sulfide(?) which is fine-grained in blebs

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2308-S	LCA3	83	1.0	1	56	110	Au -.1 As 10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:alvl; float of meta-siltstone, metasandstone and andesite
2309-R	LCA3	3200	15.6	14	47	110	Au -.1 As -10 Sn 0.0075% spectro	Type:chip; bedrock; copper oxides and a trace of chalcopyrite in meta-siltstone and metasandstone; minor amounts of pyrite and pyrrhotite (probably fracture plane) mineralization
2310-D	LCA3	61	1.1	9	28	67	Au -.1 As -10 Sn -.0025% spectro	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:rsdl; org:med; frozen:no; bedrock of por-phyritic andesite with strong chlorite and epidote
2311-R	LCA3	44	2.4	80	131	730	Au -.1 As -10 spectro, Sn 0.0025%	Type:chip; bedrock; silica-pyrite-sericite at contact of metasediments with monzonite
2312-D	LCA2	63	1.2	7	16	29	Au -.1	Dpth:3; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; float of chlorite-epidote-hornblende diorite with trace of pyrite
2313-R	LCA2	140	1.5	6	18	16	Au -.1 As 30	Type:chip; bedrock; bedrock of dark gray, fine-grained gneiss with strong non-planar quartz veining; sample in-cludes minor silica shear
2314-R	LCA2	0.04%	0.02 oz/ton	0.002%	0.007%	0.18%	Au -.001 As -.001 spectro	Type:chip; bedrock; iron-stained, gneissic, fine-grained metasediment with quartz veining, weak to moderate pyrite, and chalcopyrite variable but up to 4%

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2315-R	LCB2	34	0.9	3	24	110	Au -.1 W -.005%, Sn -.005%	Type:chip; bedrock; quartz-monzonite porphyry with less than 1% pyrite
2316-R	LCB2	30	0.5	2	8	41	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; quartz-monzonite porphyry with weak iron oxide and less than 1% pyrite; 1% disseminated unknown blue-black metallic
2317-S	LCB2	350	2.4	32	440	390	Au -.1 As 10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:bedrock; bedrock of weak quartz-sericite altered quartz-monzonite porphyry with 3 to 5% disseminated pyrite; blue-black unknown, probably manganese oxide; moderate brown iron oxide
2318-R	LCB2	33	0.5	2	13	36	Au-.1, spec.	Type:chip; bedrock; same as 2317
2319-R	LCB2	23	0.5	3	10	12	Au -.1	Type:chip; bedrock; quartz monzonite with weak argillic alteration and less than 2% pyrite; less than 1% blue-black dissemination- manganese oxide(?)
2320-S	LCB2	31	1.0	1	14	29	As -10	Str wdth:10-15; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:bedrock; float of granite and granodiorite and quartz monzonite and diorite
2321-S	LCB2	70	1.2	3	20	65	As -10	STr wdth:1-3; av str dpth:dry; in flood:no; size:sand/silt; org:low; str ditus:glcl; float of weakly iron-stained granodiorite with less than 1% pyrite and moderate propylitic alteration

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2322-S	LCB2	23	1.0	1	16	41		Str wdth:1-3; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:glcl; float of granodiorite with minor carbonate-iron oxide veins and weak propylitic alteration
2323-D	LCB2	30	1.4	1	18	26	As -10 Ni 19	Dpth:2; hor:C; size:silt; moist:med; color:black; soil situs:glcl; org: low; frozen:no; float of 80% medium-grained gabbro with weak pyrite, strong magnetite and a trace of chalcopyrite, and 20% diorite
2324-S	LCB2	70	1.4	1	29	58	As -10	Str wdth:3-6; av str dpth:0-½; in flood:no; size:silt/clay; org:low; str situs:alvl/bedrock; gabbro porphyry bedrock with plagioclase phenocrysts up to ¼ inch and traces of pyrite; float of 50% gabbro and 50% granite
2325-S	LCB2	49	1.2	1	59	92	As -10	Str wdth:1-31 av str dpth:dry; in flood:no; size:silt/clay; org:low; str situs:alvl; float of propylitic altered granodiorite with less than 1% pyrite
2326-R	LCA3	29	1.5	1	13	110	Au -.1 spectro	Type:chip; bedrock; quartz-sericite-chlorite schist
2327-R	LCA3	67	1.3	2	14	180	Au -.1 spectro	Type:chip; bedrock; quartz-chlorite-sericite-pyrite schist
2328-R	LCA3	13	0.8	1	9	80	Au -.1 spectro	Type:chip; bedrock; schist with 1% pyrite; minor andesite porphyry dike with less than 1% disseminated pyrite
2329-R	LCA3	9	0.8	1	9	66	Au -.1 spectro	Type:chip; bedrock; 1% pyrite in quartz-chlorite-cericite schist

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2330-R	LCA3	15	0.8	1	9	101	Au -.1 spectro	Type:chip; bedrock; 1% pyrite in quartz-sericite-pyrite schist
2331-R	LCA3	510	1.7	1	11	182	Au -.1 W -.005%, Sn -.005%, spectro	Type:chip; bedrock; 3% pyrite in quartz-chlorite-sericite schist
2332-R	LCA3	105	1.0	1	11	164	Au -.1 spectro Cd 1.2	Type:chip; bedrock; 5% pyrite in quartz-chlorite-sericite schist
2333-S	LCA3	30	1.0	1	16	52	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:med; str situs:alvl; float of 50% granite and 50% intermediate volcanics
2334-D	LCA3	180	1.1	2	25	54	As 10	Dpth:6; hor:B; size:silt; moist:med; color:brown; soil situs:alvl; org: high; frozen:no; float mostly fine-grained diorite
2335-D	LCA3	53	1.4	12	21	42	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:talus; org: low; frozen:no; float of 80% dolomitic limestone with less than 1% disseminated specularite, and 20% basalt-diabase with less than 1% disseminated magnetite
2336-R	LCA3	6	0.4	1	6	12	Au -.1 W -.005%, Sn -.005%	Type:chip; bedrock; limy, finely crystalline granite
2337-S	LCA3	24	0.6	1	12	45	As -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:sand/silt; org:med; str situs:avlv; 50% granite and 50% andesite
2338-R	LCA3	11	0.7	3	12	65	Au -.1 W -.005% Sn -.005% spectro	Type:chip; bedrock; 15-foot chip of silicious iron-stained quartz monzonite(?) with 1 to 3% disseminated pyrite and weak brown iron oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2339-S		87	2.6	11	320	1030	As 60 W -.005% Sn -.005%	Str wdth:3-6; av str dpth:dry; in flood:no; size:sand/silt; org:low; str situs:alvl; float of 70% moderate brown iron-stained volcanic agglomerate and breccia with moderate to strong pyrite-quartz-sericite alteration and 3% pyrite
2340-R	LCA3	29	8.5	1	2000	132	Au -.1 As 90 W -.005% spectro	Type:chip; bedrock; hi graded; N60W shear zone with strong quartz and minor pyrite-magnetite veining with a trace of chalcopyrite-malachite; six to ten inches of gossan; 15 to 20 feet of silicification
2341-S	LCA3	55	1.1	4	44	105	As -10	Str wdth:6-10; av str dpth:1-2; in flood:no; size:sand/silt; org:low; str situs:alvl; intermediate volcanics, greenstones, granites to gabbros; 2 to 4% of float with iron stain
2342-S	LCB2	26	0.7	1	11	44	As -10 W 2 Sn -10	Str wdth:3-6; av str dpth:½-1; in flood:no; size:sand/silt; org:low; str situs:glcl; float of 98% barren coarse-grained granite and less than 2% andesite and basalt dike rock
2343-R	LCA2	110	1.3	3	18	31	Au -.1 Sn -.005%, V 130 Co 17, Ni 29	Type:grab; float; iron-stained moraine-gneissic metasediments with pyrite, pyrrhotite and magnetite; minor gabbro
2344-R	LCA2	76	1.3	3	18	42	Au -.1 spectro	Type:chip; bedrock; metasandstone with quartz veins common; trace of very fine-grained chalcopyrite disseminated and on microfracture planes; copper oxides on larger (five-inch) quartz veins

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2345-R	LCA2	550	1.0	2	9	14	Au -.1	Type:grab; float; quartz veins in talus from outcrop above- chlorite-(minor)epidote metasandstone with trace of chalcopyrite; quartz veins have blebs of chalcopyrite
2346-S	LCA2	130	1.2	1	21	76	Au -.1 As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of diorite, metasandstone, siltstone and minor gabbro
2347-S	LCA2	89	1.3	14	44	87	Au -.1 As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:med; str situs:glcl; diorite float
2348-S	LCA3	64	1.3	12	27	48	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:clvl; diorite float
2349-S	LCA3	24	1.2	7	27	33	Au -.1 As -10	Str wdth: 1; av str dpth:dry; in flood:no; size:grvl/sand; org:high; str situs:clvl; no float
2350-R	LCA3	56	0.8	1	18	36	Au -.1 As -10	Type:chip; bedrock; strongly jointed microgabbro (looks like basalt in hand specimen) with minor chlorite and epidote
2351-S	LCA3	28	0.4	-1	16	60	Au -.1 As -10 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; float of 90% quartz monzonite to granite and 10% aplite, trachyte and andesite
2352-S	LCA3	36	0.6	1	24	57	Au -.1 As -10 W 3 Sn -10	Str wdth:1-3; av str dpth:0-½; in flood:no; size:grvl/sand/silt/clay; org:low; str situs:glcl; float of diorite and minor brecciated andesite with basalt; iron-stained float contains up to 6% disseminated pyrite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2353-R	LCB3	26	0.4	1	11	41	Au -.1 As -10	Type:grab; float; hi graded; talus zone with iron-stained float only; andesite to latitie flow breccia with blebs and fine-grained disseminated pyrite (3%); float of basalt, latitie, and andesite-latite breccia not sampled
2354-R	LCB3	18	0.5	4	17	33	Au -.1 As -10	Type:chip; bedrock; iron-stained andesite(?) with up to 5% pyrite; feldspar altered to minor sericite (deuteric alteration); minor boxwork after pyrite
2355-D	LCB3	30	0.6	5	49	64	Au -.1 As -10	Dpth:4; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:med; frozen:no; iron-stained andesite with up to 5% pyrite, andesite to latite breccia, and basalt
2356-D	LCA3	47	1.4	10	53	250	Au -.1 As -10	Dpth:2; hor:B; size:sand/silt; moist: med; color:brown; soil situs:talus; org:low; frozen:no; bedrock of iron-stained, medium to fine-grained granite with weak sericite
2357-R	LCA3	20,000	90.0	107	16,800	2800	Au -.1 As -10 W -.005% Sn -.005% spectro	Type:chip; bedrock; hi graded; medium to fine-grained granite, iron-stained, with moderate to strong sericite at contact with basaltic(?) breccia (on top of granite); strong disseminated chalcopyrite, azurite and malachite; fracture surfaces covered with manganese, magnesium and iron(?) oxides-dark brown metallic shine, deep brown powders; only small area with chalcopyrite and copper oxide

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2358-R	LCA3	180	1.3	5	196	145	Au -.1 As -10 Sn -.005%, W -.005% spectro	Type:chip; bedrock; mylonized granite- shear zone with decomposed, silicified, iron-stained, fine-grained granite
2359-D	LCA4	20	-.1	-1	19	36	As -10	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; float of silicious andesite breccia with clasts less than 1/8-inch and weak brown iron oxide
2360-R	LHB1	14	1.4	1	380	720	Au -.1 Cd 3 Se 98	Type:chip; bedrock; sheared andesite breccia with strong chlorite-epidote and less than 1% pyrite
2361-R	LHB1	280	6.8	-1	2800	470	Au -.1 W -.005% Sn -.005% Cd 40 Se 100	Type:chip; float; hi graded; chloritized diorite or andesite dike(?) material with less than 1/8-inch veins of galena-chalcopyrite; chip of two cobbles of float; all other float is barren; comes from small (less than 20 foot) shear dikes on west wall
2362-R	LHB1	24	1.0	1	240	68	Au -.1 Cd 1 Se 84	Type:chip; bedrock; 25-foot wide shear zone in granite porphyry; two-inch plagioclase phenocrysts; strong seal brown hematite stain; intensely fractured; traces of galena
2363-R	LHB1	16	0.4	1	31	58	Au -.1 Se 64	Type:chip; bedrock; quartz monzonite with weak chloritic alteration and less than 1% disseminated magnetite and specularite; minor shearing with hematite slicks; 10-foot random chip

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2364-R	LHB1	430	6.3	10	74	980	Au -.1 W -.005% Sn -.005% Cd 6 Se 56	Type:chip; bedrock; hi graded; five to ten-ffot shear zone, N60E, in quartz monzonite, with strong manganese-coated fractures and moderate hemtite; traces of pyrite-chalcopyrite and less than 1% zinc; no mineralization or alteration outside the shear
2365-D	LHB1	9	0.2	1	6	40	As -10 Se 58	Dpth:4; hor:B; size:silt; moist:med; color:brown; soil situs:rsdl; org: med; frozen:no; barren quartz monzonite and minor andesite dike rock
2366-R	LHB1	1400	55.0	650	420	1500	Au -.1 As -10 Se 58 spectro	Type:chip bedrock/rubble crop; bedrock or almost bedrock; two-foot wide zone of intensely silicified, partially brecciated quartz monzonite; strong quartz veining and vugs of quartz crystals less than ¼ inch; veinlets and fracture coatings of chalcopyrite, galena, sphalerite, pyrite, manganese oxide, magnetite and/or hematite; probably silver; strong chloritization gives greenish tinge
2367-R	LHB1	140	26.0	5	4400	2200	Au -.1 W -.005% Sn -.005% Cd 18 Se 42	Type:chip; float; hi graded; two-foot boulder of strong quartz-sericite altered quartz monzonite; strong manganese stain; 2% disseminated galena and 1% disseminated sphalerite; traces of chalcopyrite and pyrite; minor hematite; seal brown color

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2368-R	LHB1	210	4.7	2	520	870	Au -.1 Se 38	Type:chip; float; hi graded; float all quartz monzonite; chip of nine manganese-stained boulders, two of which showed traces of chalcopyrite; very silicious; weak quartz-hematite-manganese veining and fracture coatings; manganese-quartz-sericite boulders make up 2% of talus
2369-R	LHB1	1400	22.0	37	220	550	Au -.1 W 0.0025% Sn 0.006% Se 20	Type:chip; float; hi graded; two-foot boulder, strongly silicified, with weak sericite; 1 to 1½% disseminated, pervasive chalcopyrite; traces of moly; strong manganese oxide and hematite on weak fractures; saw four other similar boulders in nearby float
2370-S	LCA3	44	0.4	3	29	69	Au -.1 As -10 W 3 Sn -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand/silt; org: low; str situs:glcl; bedrock of medium to fine-grained granite with minor shearing with occasional pyrite; float of granite and basaltic-andesitic volcanics including breccia
2371-R	LCA3	21	0.1	3	19	24	Au -.1 As -10 W -.005% Sn -.005%	Type:chip; bedrock; medium to fine-grained granite with some shearing; sample is of more intensely sheared, iron-stained areas- pyrite averages less than ½%
2372-S	LCA3	24	0.4	2	16	75	Au -.1 As -10 W 5 Sn -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:grvl/sand; org:low; str situs:alvl; nearby bedrock of fractured granite with strong epidote and chlorite; float of 70% granite and 30% volcanics- basalt and andesite

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2373-R	LCA4	21	0.7	1	40	76	Au -.1 As -10	Type:chip; bedrock; andesite and basalt with strong iron stain, chlorite and epidote; sericite locally moderate; 1 to 3% pyrite; sample includes gouge from small shears
2374-D	LHB1	35	0.5	2	40	280	As -10 Se 40	Dpth:2; hor:C; size:sand/silt; moist: med/wet; color:brown; soil situs: glcl; org:low; frozen:no; same location as 2369; 50% of float is quartz monzonite with moderate fracturing and shearing, 50% is andesite porphry, chloritic altered
2375-D	LHB1	56	1.0	3	102	400	As -10	Dpth:4; hor:C; size:sand/silt; moist: dry/med; color:brown; soil situs: glcl; org:low; frozen:no; andesite porphyry float with weak chloritic alteration and weak fracturing with traces of pyrite
2376-R	XLCR	9	0.9	2	26	50	Au -.1	Tupe:grab; float; 30-foot random grab of coarse-grained granite of 100% granite talus slope; rare limonite-manganese oxide vein meterial with pyrite, chalcopyrite and zinc not included in sample
2377-R	XLCR	9	0.8	2	20	80	Au -.1 W -.005% Sn -.005%	Type:chip; bedrock; 10-foot chip of barren-looking coarse-grained pinkish granite
2378-R	LCA4	20	0.6	1	35	62	Au -.1 As -10	Type:chip; bedrock; silicified volcanics or hornfels(?); strongly silicified; weakly recrystallized; some chert grains and hornblende; very fine disseminations

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2379-R	LCA4	16	0.4	3	15	28	Au -.1 As -10	Type:chip; bedrock; silicified volcanics; some bleached rock; partially cook up; slightly iron-stained; very shattered outcrop; no ore dissemination
2380-R	LCA4	18	0.8	4	29	38	As 40	Type:chip; bedrock; silicified intermediate volcanics; partially cooked up; silicified volcani rock showing a minor pyrite dissemination; some of these are leached, forming limonite in vugs
2381-R	LCA4	35	1.1	1	19	76	As 10	Type:chip; bedrock; andesite(?); silicified volcanic rock; very silicified, showing a minor fine-grained dissemination; some pyrite was leached out- vugs are filled with limonite; partially iron-stained
2382-R	LCA4	28	0.4	1	13	38	Au -.1 As 10 W -.005% Sn -.005% spectro	Type:chip; bedrock; hornfels; strongly silicified and recrystallized rock; 3% disseminated pyrite; some hornfels crystals are leached out; iron-stained; limonite in vugs
2383-R	LCA4	16	0.4	6	25	28	Au -.1 As -10 W -.005% Sn -.005% spectro	Type:chip; bedrock; hornfels; strongly silicified and recrystallized rock; 2% disseminated pyrite; some limonite in vugs (pyrite leached out); iron-stained
2384-R	LCA4	22	0.5	3	18	32	Au -.1 As -10 W -.005% Sn -.005% spectro	Type:chip; bedrock; hornfels; strongly silicified and recrystallized rock; 2% pyritized rock; iron stained; limonite in vugs

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2385-R	LCA4	36	0.5	2	17	33	Au -.1 As -10 Sn -.005%, W -.005% spectro	Hornfels; strongly silicified rock; very cook up- complete recrystallization; 3% disseminated pyrite; iron-stained sample
2386-R	XLCR	11	0.6	3	12	70	Au -.1 W -.005% Sn -.005%	Type:grab; float; 30-foot grab of moderately iron-stained granite with minor manganese-coated fractures; no sulfides
2387-R	XLCR	130	42.5	3	2000	900	Au -.1 spectro	Type:chip; bedrock; hi graded; two to four-foot wide quartz-eye felsite dike with strong quartz sericite alteration; 1% finely crystalline disseminated galena; 25 to 50-foot strike length(?)
2388-R	XLCR	220	7.6	21	720	700	Au -.1 spectro	Type:grab; rubble crop; hi graded; float of quartz-sericite altered granite with less than 2% galena-pyrite-chalcopyrite-tetrahedrite(?); strong brown iron oxide; spotty rubble crop; perhaps 100 to 150 feet long and 10 to 20 feet wide; some slickensides
2401-R	LHB1 (NE¼)	25	3.9	4	610	57	Au -.1 As 10 Cd 1 Se 32 Sn 0.0025%	Type:grab; bedrock; silicified, iron-stained and sericitized quartz monzonite with quartz-rich areas; sample of one quartz pyrite-bearing vein one foot wide with a six-foot altered area
2402-R	LHB1 (NE¼)	110	1.0	3	18	130	Au -.1 As -10 Cd 1 Se 42 Sn -.0025%	Type:grab; rubble crop; silicified and argillized quartz diorite; sample of bleached, argillized, silicified shear zone 16 feet wide; vein quartz float in most intensely argillized zone

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2403-R	LHB1 (NE¼)	26	1.8	6	118	115	Au -.1 As -10 Cd 1 Se 54 Sn -.0025%	Type:grab; rubble crop; quartz monzonite and quartz diorite; sample of argillically altered monzonite with silicified, iron-stained zones; grab sample over 50 feet
2404-S	LHB1 (NE¼)	26	0.7	4	66	75	As -10	Str wdth:6-10; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:alvl; no bedrock observed; greywacke float- very feldspar-rich with about 30% shale fragments-is about 85% of float; also 10% coarse (to six inches) grained conglomerate and 5% andesite and granite dike rocks
2405-R	LCB1 (NE¼)	650	7.7	10	55	2900	Au -.1 As 20	Type:grab; float; biotite quartz monzonite; a gradual change from feldspathic greywackes to biotite quartz monzonite can be noted; even conglomerate and chert beds are partially granitized; sample of heavy manganese-iron-stained quartz vein fragments
2406-R	LHB1 (NE¼)	90	3.2	14	610	520	Au -.1 As 10	Type:chip; bedrock; sheared biotite quartz monzonite with inclusions of biotite diorite; sample of two feet of shear showing iron staining; strike N10W, dip 90(?)
2407-S	LCB1 (NE¼)	82	1.0	3	36	68	As 10	Str wdth:6-10; av str dpth:0-½; in flood:no; str situs:bedrock; porphyritic biotite quartz monzonite intruding a fine-grained biotite diorite; rock approached a migmatite with fingers of monzonite intruding into and around the diorite; rock much jointed; some epidote-filled shears strike about N40W

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2408-R	LHB1 (NE¼)	175	2.2	46	155	570	Au -.1 As 10	Type:chip; bedrock; biotite-quartz monzonite; sample of iron-stained shear zone five feet across striking N80E and dipping 70N; heavy coating of limonite and jarosite
2409-R	LHB1 (NE¼)	72	2.6	51	76	340	Au -.1 As -10	Type:chip; bedrock; biotite-quartz monzonite; sample of six feet of pyrite-bearing silicified, argillized quartz monzonite; pyrite to 7%; much of vein leached; amount of silicification and pyritization is increasing downstream
2410-R	LHB1 (NE¼)	11	0.9	23	14	89	Au -.1 As 120	Type:chip; bedrock; biotite-quartz monzonite; sample of pyritized, sericitized quartz monzonite over 15 feet; strike N40W, dip 80S
2411-S	LHB1 (NE¼)	140	1.0	3	53	80	As 10	Str wdth:6-10; av str dpth:½-1; in flood:no; size:silt; org:low; str situs:bedrock; biotite-quartz-monzonite with N80E striking argillized zone one to two feet wide with silicified, pyritized biotite-quartz monzonite
2412-R	LHB1 (NE¼)	45	0.8	6	15	25	Au -.1 As 10	Biotite-quartz monzonite; sample of east-west striking shear zone 15 feet wide; strikes across creek; iron staining diminished upstream at falls; intensity of mineralization appears to be diminishing
2413-R	LHB1 (NE¼)	110	0.6	3	7	7	Au -.1 As -10	Type:chip; bedrock; sample is eight-foot chip across quartz-pyrite vein; veins milky with much sericite; strike N80E, dip 75S

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2414-R	LHB1 (NE¼)	100	1.3	10	20	140	Au -.1 As -10	Type:grab; float; biotite-hornblende-quartz monzonite; sample of black, very heavily manganese-stained spahlerite-bearing quartz vein; no galena or other sulfides observed
2415-R	LHB1 (NE¼)	2000	112.0	620	900	5500	Au -.1 As -10	Type:chip; bedrock; biotite-hornblende-quartz monzonite; sample of chloritically altered vein (wall?), may be related to 2414; exposure talus-covered except for rare crop; some nearby monzonite is brown stained from introduced pyrite; compared to other near shear zones, outcrop is not conspicuous
2416-R	LHB1 (NE¼)	120	2.5	24	188	1300	Au -.1 As -10	Type:grab; rubble crop; hornblende-biotite-quartz monzonite; sample of quartz-sericite vein material with rare chalcopyrite
2417-R	LHB1 (NE¼)	23	1.0	4	46	130	Au -.1 As -10	Type:grab; rubble crop; gray-green quartz-sericite altered monzonite zone appears to be 15 feet thick; minor pyrite and light to moderate iron staining; associated brown clay (relic dike) iron stained with iron and manganese dendrites
2418-R	LHB1 (NE¼)	680	336.0	113	19,200	15,000	Au -.1 As 900	Type:grab; float; hornblende-biotite-quartz monzonite; sample of sericitically altered, silicified vein material with about 0.2% copper, 4% lead and perhaps up to four ounces per ton silver; float appears to be from a vein about six inches thick

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2419-R	LHB1 (NE¼)	270	160.0	36	11,800	2000	Au -.1 As -10	Hornblende-biotite-quartz monzonite; sample of float vein material about 30 by 50 by 72 inches; width is 30 inches with what appear to be vein walls on both sides; interlacing quartz veinlets to one inch cut sericitically altered monzonite; vein is partially oxidized and contains galena, chalcopyrite and pyrite; unless there is considerable silver, does not appear to be ore grade
2420-S	LHB1 (NE¼)	22	1.2	3	74	130	As 10	Str wdth:10-15; av str dpth:0-½; in flood:no; size:silt; org:low; str situs:bedrock; biotite-quartz-monzonite and basalt dike bedrock and float
2421-R	LHB1 (NE¼)	4000	42.7	195	8600	5000	Au -.1 As 10	Type:grab; float; biotite-quartz monzonite; sample of one float cobble 8 by 14 inches with heavy manganese staining containing galena, chalcopyrite, pyrite, malachite, azurite, cerrusite and anglasite; cobble is moderately rounded; this is not the same type of vein quartz as from 2417, 2418, and 2419
2422-R	LHB1 (NE¼)	210	2.6	5	164	320	Au -.1 As -10	Type:chip; bedrock; sample of yellow stained argillized biotite-quartz monzonite taken across 30 feet; three one by two-inch fragments with heavy manganese staining included; sample slightly high graded; entire crop is oxidized, some oxidation resembling copper pitch

PROJECT - COOK INLET B

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2423-S	LHB1 (NE¼)	19	1.0	3	54	230	As -10	Str wdth:10-15; av str dpth:0-½; in flood:no; size:sand; org:low; str situs:bedrock; iron-stained biotite-quartz monzonite bedrock; float 90% biotite-quartz monzonite, 1% dike rocks and 9% heavily iron-stained biotite-quartz monzonite
2424-R	LHB1 (NE¼)	46	1.1	7	96	90	Au -.1 As 80	Biotite-quartz-monzonite; sample of fault zone with gouge and quartz veining; no visible sulfides
2425-S	LHB1	13	1.0	3	22	70	As -10	Str wdth:10-15; av str dpth:½-1; in flood:no; size:sand; org:low; str situs:bedrock; bedrock and float of biotite-quartz monzonite