

TN
24
AY
646
1976
V.6

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

APPENDIX 4

Data collected in the 1975 field season
(Samples lettered "D" on the plates)

3 3755 000 97791 8

ARLIS
Alaska Resources Library & Information Services
Library Building, Suite 111
3211 Providence Drive
Anchorage, AK 99508-4614

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 wth - stream width
vnlt - veinlet
wth - weathered, weathering

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0021 R	LCA3	35	0.2		4	48	Au -.1	Type: Grab; Rubcrop. Epidotized metasandstone, minor sulfide (to limonite) Fe stained.
0022 R	LCA3	340	1.2		27	166	Au -.1 Fe 120,000	Type: Grab; Rubcrop; Float. Feo stained conglomerate, south edge Giltedge deposit, Kasna Cr.
0023 R	LCA3	35	4.0		52	37	Au -.1 Fe 6,000	Type: Grab; Bdrk. Limestone host rock of Giltedge Deposit--Kasna Cr.
0024 R	LCA3	24,000	22.5		13	5,000	Au -.1 Fe 80,000	Type: Grab; Bdrk. Giltedge Deposit--Ore for AK.
0025 R	LCA3	2,900	3.4		14	123	Au -.1 Fe 350,000	Type: Grab; Bdrk. Giltedge Ore--Kasna Creek.
0026 R	LCA3	1,800	3.5		20	180	Au -.1 Fe 120,000	Type: Grab; Bdrk. Giltedge Ore at edge (w) of deposit in contact with limestone (#0027) for K contrast Kasna Cr.
0027 R	LCA3	280	2.2		24	78	Au -.1 Fe 44,000	Type: Grab; Bdrk. Limestone host rock of Giltedge deposit at West contact for K contrast--Kasna Cr.
0058 R	ILD1	6	0.1		4	18	Au -.1	Type: Grab; Bdrk. Siliceous tuff of intermed. composition. Fe stdn light, equal to or less than 5%, large voids non-magnetic.
0059 R	ILD1	5	0.2		3	62	Au -.1	Type: Grab; Bdrk. Porphyritic tuff or andesite, some bx wks, strong Fe stain.
0060 R	ILD1	11	0.1		4	62	Au -.1	Type: Grab; Float. Massive, porphyritic pyroxene gabbro or pyroxinite. Fng, very dk. grained mass augite & Feldspar phenocrysts, magnetic.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0061 R	ILD1	4	0.1		4	20	Au -.1	Type: Grab; Bdrk. Extremely fine grained tuff (or chert bed) siliceous, greenish-grey fresh, Fe weathered color anomaly.
0062 R	ILD1	5	0.3		16	97	Au -.1	Type: Grab; Float; Area h.g. Felsic to intermed. metamorphic tuff, Fe std.
0063 R	ILD1	21	0.1		10	124	Au -.1	Type: Grab; Float; Area h.g. Felsic to intermed. metamorphic tuff, Fe std.
0064 R	ILD1	6	0.4		11	115	Au -.1	Type: Grab; Float; Area h.g. Felsic to intermed. metamorphic tuff, Fe std.
0065 R	ILD1	3	-.1		9	78	Au -.1	Type: Grab; Float; area h.g. Felsic to intermed. metamorphic tuff, Fe std.
0066 S	ILD1	54	0.4		13	147	Au -.1	Mainly Fe stained, andesitic tuff or greenstone.
0067 S	ILD1	52	0.4		12	200	Au -.1	All manner of rocks.
0069 R	ILD1	49	0.1		38	200	Au -.1	Type: Grab; Float. Interbedded, contacted, metasediments (tuffaceous). Massive felsic tuff, silicified on Fe stained blb w/20% voids, py xls in irreg. layers (1 xl thick) other minor sulfides. Sericite.
0070 R	ILD1	100	0.1		49	580	Au -.1	Type: Grab; Float. Interbedded, contacted, metasediments (tuffaceous). Massive felsic tuff, silicified on Fe stained blb w/20% voids, py xls in irreg. layers (1 xl thick) other minor sulfides. Sericite.
0071 R	ILD1	7	0.2		23	28	Au -.1	Type: Grab; Float. Greenstone & tuffaceous, metasediments. Highly sericitized, rhyolitic tuff, light Fe stain after greater than 1% banded py.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0081 R	TMD3	16,000	11.6		7	40	Au -.1	Type: Chip; float; area higraded; sample higraded. Basalts & tuff. Amyg. Basalt (Sulfides)
0121 R	LCB4	78	0.3		18	103	Au -.1	Type: Chip; Bdrk; area h.g. med-Dk. grey tuff bx with Fe & Mn staining & some limonite on fractured surfaces. The outcrops are all highly weathered & the Rx crumbles easily when struck--it is very difficult to secure an unweathered example.
0122 R	LCB4	36	0.1		22	13	Au -.1	Type: Chip; Bdrk; Area h.g. A lt. brn to wht tuff bx which appears to be acidic--it is quite possible that this light coloration may be due to the amt. of weathering the outcrop has undergone. Fe & Mn staining occurs on fracture surfaces. Limonite may be found as an encrustation on some weathered surfaces, in a few cases the crust may attain a thickness of 0.25".
0123 R	LCB4	18	0.1		20	27	Au -.1	Type: Grab; float; area h.g. Felspathic tuff with chloritic alteration. Kaolin occurs along wth & frac surfaces--also along these surfaces there occurs sm. amts. of hematite. This Rx has been jointed in a polygonal pattern and separate polygons may be observed up to 1' across & 2' long.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0124 R	LCB4	28	0.7		22	26	Au -.1	Type: Chip; Bdrk; Area h.g. A Lt. Gy. tuff bx; quite wthrd w Fe & Mn staining along frac surfaces, some Limonite occurring. Grn fl occurs in some samples in sm. isolated areas. Sm. Limonite filled vugs may represent Ex sites of Chalcopyrite.
0125 D	LCB4	46	0.6		41	250	Au -.1 As 30	The float was evenly divided between tuff & tuff bx, many examples showing Fe & Mn staining & lim on wthrd, frac surfaces.
0126 R	LCB4	21	0.3		16	100	Au -.1	Type: Grab; float; sample h.g. As float: A med. gry tuff with Fe staining on frac surfaces.
0127 R	LCB4	18	0.4		27	90	Au -.1	Type: Grab; float; area h.g. As float: A med gy-grn tuff, weathers to a lt. tan. Sm. amts. Fe & Mn staining.
0128 R	LCB4	15	0.3		11	52	Au -.1	Type: Grab; float; sample h.g. Med. grained Lt. Gy Biotite Granite as Float.
0129 R	LCB4	33	0.7		19	94	Au -.1	Type: Grab; float; sample h.g. As float: a Dk. Gy tuff (?) which shows parallel foliation & Fe staining.
0130 R	LCB4	36	0.8		31	95	Au -.1	Type: Grab; float; area h.g. As float: A fine grained Dk. Gy Basalt showing some Fe staining of frac surfaces; sm. amts. lim as sulf replacement. Epidote as small blebs, some very sm. amt. of grn fluorite may be present. There appears to be micron sized grains of disseminated chalcopyrite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0131 R	LCB4	44	0.8		24	86	Au -.1	Type: Grab; Bdrk; Float; Area h.g. Float: As 0130 Basalt--Although this material was recovered as float; the ridge upon which it lies is strewn with only this material and the majority of the material is boulder size with many examples of a size equal to a kitchen stove, some the size of a refrigerator--thus it may be assumed that this material is in situ.
0132 R	LCB4	10	0.1		28	128	Au -.1	Type: Chip; Bdrk; area h.g. Med Gy-Grn tuff, weathers to a beige to Lt. Buff brn Fe & Mn staining, some sm. areas show red-purple & gold iridescence. Dendrites 2 - 4 mm long of pyrolusite occur regularly on frac & wthd surfaces. Wthrd surfaces show liesegang rings on a small scale. Epidote has become very conspicuous on wthd & frac surfaces. Conspicuous polygonal jointing--the rx in this area is fairly competent; both above it & below it are very wth rubble slopes of Lt. colored tuff.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0133 R	LCB4	10	0.2		27	109	A -.1	Type: Chip; Bdrk; Area h.g. A highly wth tuff showing much Fe & Mn staining. The Rx is very fine grained & has up to 30% sm, 1 mm or less, fine grains of lim after pyrite, also, there may be pseudomorphs of lim after cpy. Some examples show dendrites 4 - 6 mm long of pyrl. In conjunction with the aforementioned are fine vnlts of non-oriented lim. Lim also occurs along the many fractures in the Rx.
0134 R	LCB4	16	0.3		23	86	Au -.1	Type: Chip; Bdrk; Area h.g. A fine-grained tuff which has been heavily Fe stained, along with this staining is Mn staining & lim plus some hem. There are many sm. grains of lim up to 20% throughout this Rx. There are also very sm. grains of visible pyrite & there may be some cpy (?) This particular group of Rx's has more conspicuous Fe staining than the previous and this may be due to the fact that they are in contact with a lg. Basalt Dike-Sample 0135.
0135 R	LCB4	14	0.4		14	51	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gy., fine-grained, dense, basalt which is very resistant to weathering.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0136 R	LCB4	9	0.1		22	46	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gy. porphyritic tuff with some chl alteration & ep occurring on some frac surfaces. Fe & Mn staining on frac surfaces.
0137 R	LCB4	8	0.1		19	68	Au -.1	Type: Chip; Bdrk; Area h.g. A very wth tuff, color lt. brn. Has Fe & Mn staining. Pyrolusite Dendrites on some samples. The top of the mountain is covered with rubble, very few & sm. outcrops. Epidote occurs on some wth & frac surfaces.
0138 R	LCB4	16	0.3		17	94	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gy. Pophyritic tuff with 1 - 2 mm phen of or. Limonite, Fe & Mn staining occur on wth & frac surfaces. Sm. dendrites of pyrl 2 - 4 mm long. Relect structures 1 - 4 mm of leached fs conspicuous.
0139 R	LCB4	10	0.2		38	85	Au -.1	Type: Chip; Bdrk; Area h.g. A lt. gn.--buff brn tuff & tuff bx. The bx has lg. Xenolits 2 - 4" of pumice; in some instances the Rx is covered with a fine druse of citrine and/or milk Qtz. Much of the material has solution cavities & the Rx appears as though it were a product of the Hot Spring Area of Yellowstone Nat'l. Pk. The surrounding slope area of this sample point is littered with tuff rubble showing 1 - 2 mm long relect structures of or. (?) fs, lim, Fe & Mn staining are present.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0140 R	LCB4	11	0.2		33	130	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gn. tuff bx with Fe & Mn staining; lim on some frac surfaces fs relect structures on wth surfaces. Wth of this material has been quite severe; coloration produced by this is white, lt. brn, lt. gry & beige. Much of the material looks like rhyolite, or pumice or amygdaloydal pumice because of the lt. coloration. In specimens which look like amygdaloydal pumice you find the amygdols are kaolin.
0141 R	LCB4	9	0.1		12	23	Au -.1	Type: Chip; Bdrk; area h.g. A med. gy. porphyritic tuff with phenocryst 1 - 2 mm of or fs. Fe & Mn staining--some lim.
0142 R	LCB4	710	3.4		16	340	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gry pophyritic dacite with phen of Plag. 2 - 4 mm long. Sm. grains \leq 1 mm disseminated chalcoppyrite, observed sm. isolated grains 1 - 2 mm bn, lim & Fe staining in sm. amts. occur on wth & frac surfaces. Some choritization has taken place.
0143 R	LCB 4	51	0.9		23	300	Au -.1	Type: Grab; Rubcrop; area h.g. Float: Recovered on ridge top, believe eroded insitu. as 0142--size of phen has increased size range 1 - 6 mm - mean 4 mm. Amt. of Fe staining has > slightly, some Mn (?) staining. Porphyritic dacite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0144 R	LCB4	170	1.0		16	99	Au -.1	Type: Grab, chip; Bdrk; Rubcrop; area h.g. Collected one outcrop & one rubble sample; they are the same. Rx type as before-- Porphyritic Dacite (?). Fe staining on frac surfaces has increased. Very wth samples are lt. gy - lt. gn in color show Fe staining & lim. These samples also show hair-thin, non directional, veinlets of Mafic matl. Lim blebs are obvious, & are replacement for cpy. Some blebs show chalco. as a cntr. in the lim. Cloritization has increased in wth samples.
0145 R	LCB4	150	1.2		19	172	Au -.1	Type: Grab; Rubcrop; Area h.g. As float, it has traveled - 20' downslope. The population of Plag. fs has > to > 25% - Dacite Porphyry. Observed on wth samples: The Rx is lt. gy - white, looks to be rhyolitic. Limonite content & fracture surface encrustation has increased. Blebs of lim replacing cpy obvious. Feldspars have gone to Kaolin. Some chalco. grains have lim halos. Goethite in mamellian form on wth surfaces. Population of hair-thin non-oriented frac increasing. Upon close inspection many samples show solution cavities.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0146 R	LCB4	310	0.9		14	240	Au -.1	Type: Grab; Rubcrop; area h.g. This float has moved down-slope - 30'. Fresh surfaces yield a Dk. Gy. Dacite Porphyry. Weathered examples look Rhyolitic. All rubble is Fe stained, Mn staining (?). This point is at the boundry of a Rhyolitic bx. Cpy, goe, lim & some hem.
0147 R	LCB4	140	12.8		120	63	Au -.1	Type: Grab; Rubcrop; Area h.g. A Rhyolitic bx. Lim, goe, cpy
0148 R	LCB4	130	0.6		13	39	Au -.1	Type: Grab; Rubcrop; Area h.g. A chloritic dacite porphyry. Gossanous looking - Limonite, Goethite, Chalcopyrite.
0149 R	LCB4	210	0.6		20	210	Au -.1	Type: Chip; Bdrk; Area h.g. A fresh looking dacite porphyry. There has been a great reduction in limonite & Fe staining from the previous samples. Some cloritization. Sm. disseminated grains of micron size cpy. The population of this sulphide has decreased.
0150 R	LCB4	61	0.5		17	174	Au -.1	Type: Chip; Bdrk; Area h.g. Med. Gy. dacite bx. Fe staining on wth & frac surfaces. Ferromags infilling veinlets. Mn staining (?) Some hem & lim. Disseminated grains of micron size cpy.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0151 R	LCB4	50	0.4		13	77	Au -.1	Type: Chip; Bdrk; Area h.g. A fine-grained, Lt. Gy. brecciated dacite porphyry having many hair-thin, non oriented, plagfilled, cross-cutting veinlets. Some micron-sized grains of disseminated chalco. Fe staining & staining & limonite on frac surfaces.
0152 R	LCB4	17	0.4		21	61	Au -.1	Type: Chip; Bdrk; Area h.g. A Dk. Gy. fine-grained brecciated porphyritic dacite w/phenocrysts of Plag. & Ferromags. Some micron-sized grains of disseminated chalcopryrite. The Rx is highly frac & jointed. The frac surfaces are Fe stained & non-oriented as if the Rx had been tectonicly reworked. Highly wth surfaces show rectanugar relect structures of plag & ferro-mags. Plagioclase has been converted to Kaolin. Some grains of chalco. may be found in these wth examples.
0153 R	LCB4	130	1.2		28	240	Au -.1	Type: Chip; Bdrk; Area h.g. A fng, lt. gy. brecciated dacite porphyry with phen of plag. & ferromags. As 0152. Also, on wth Rx, some small occurrences of malachite.
0154 R	LCB4	71	0.6		30	220	Au -.1	Type: Chip; Bdrk; Area h.g. A fng, lt. gy. brecciated dacite porphyry with phen of plag. & ferromags. As 0152. Also, on wth Rx, some small occurrences of malachite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0155 R	LCB4	34	1.0		15	200	Au -.1	Type: Chip; Bdrk; area h.g. Porphyritic Dacite.
0156 R	LCB4	2400	8.5		12	280	Au -.1	Type: Chip; Bdrk; area h.g. Dacite Porphyry
0157 R	LCB4	400	0.6		5	126	Au -.1	Type: Chip; Bdrk; Area h.g. Dacite Porphyry
0158 R	LCB4	110	0.9		7	24	Au -.1	Type: Grab; Rubcrop; area h.g. Rhyolitic Dacite, eroded in stu.
0159 R	LCB4	41	0.3		7	30	Au -.1	Type: Chip; Bdrk; area h.g. Dacite.
0160 R	LCB4	150	1.7		30	260	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry.
0161 R	LCB4	31	0.5		37	104	Au -.1	Type: Chip; Bdrk; area h.g. Rhyolitic Dacite
0162 R	LCB4	35	0.5		53	2500	Au -.1	Type: Chip; Bdrk; area h.g. Rhyolitic Porphyritic Dacite
0163 R	LCB4	6	0.3		26	108	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry. Heavy Mn staining. Cpy, lim, pyrl.
0164 R	LCB4	26	2.8		1280	320	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry.
0165 R	LCB4	53	0.4		105	1380	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated dacite porphyry. This entire area is very heavily Fe stained.
0166 R	LCB4	120	0.7		220	166	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated dacite porphyry. Heavy Fe staining.
0167 R	LCB4	190	1.2		520	106	Au -.1	Type: Chip; Bdrk; area h.g. Dacite Porphyry

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0168 R	LCB4	69	0.3		24	53	Au -.1	Type: Chip; Bdrk; area h.g. Dacite Porphyry
0169 R	LCB4	15	0.3		8	42	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry
0170 R	LCB4	33	0.4		8	94	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry
0171 R	LCB4	22	0.2		9	24	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry
0172 R	LCB4	13	0.3		8	170	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry
0173 R	LCB4	18	0.5		51	820	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Chloritized Dacite Porphyry with heavy Mn staining
0174 R	LCB4	81	1.0		250	202	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated chloritized dacite porphyry heavily Mn stained
0175 R	LCB4	27	0.3		162	76	Au -.1	Type: Grab; Rubcrop; area h.g. Brecciated Dacite Porphyry
0176 R	LCB4	105	0.5		56	154	Au -.1	Type: Chip; Bdrk; area h.g. Chloritized Brecciated Dacite
0177 R	LCB4	70	0.5		110	108	Au -.1	Type: Chip; Bdrk; area h.g. Chloritized Brecciated Dacite Porphyry
0178 R	LCB4	41	0.3		8	180	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry
0179 R	LCB4	28	0.6		14	76	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated Dacite Porphyry

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0180 R	LCB4	11	0.2		15	98	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. A lt. gy. tuff or porphyritic dacite. Some chloritization, Fe & Mn staining on wth surfaces, sm. blebs of lim in the Rx. A 30x magnification sm grains of a silver metallic. May be arsenopyrite, well disseminated throughout the Rx.
0181 R	LCB4	19	0.2		24	116	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. A lt. gy. tuff or porphyritic dacite. Some chloritization, Fe & Mn staining on wth surfaces, sm. blebs of lim in the Rx. A 30x magnification sm grains of a silver metallic. May be arsenopyrite, well disseminated throughout the Rx.
0182 R	LCB4	67	0.6		19	118	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. Tuff.
0183 R	LCB4	9	0.1		21	90	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. Tuff (?) Micron sized grains disseminated arsenopyrite (?) Fe & Mn staining.
0184 R	LCB4	150	0.7		7	68	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. QTZ Sericite Schist
0185 R	LCB4	8	0.2		20	96	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. Tuff (?) Arsenopyrite (?) Lim, Fe & Mn staining
0186 R	LCB4	56	0.7		37	140	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. A tuff or brecciated dacite, the Rx has been tectonically reworked quite extensively. Arsenopyrite (?) Fe & Mn staining.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0187 R	LCB4	29	0.6		21	88	Au -.1 As 25	Type: Chip; Bdrk; area h.g. Med. Gy. brecciated dacite (?) Heavily Fe & Mn stained. Limonite abundant.
0188 R	LCB4	17	0.4		26	24	Au -.1 As 20	Type: Chip; Bdrk; area h.g. Very leached dacite (?) The entire area is gossanous, much limonite, the soil is yellow & looks to be limonite.
0189 R	LCB4	14	0.3		19	30	Au -.1 As - 5	Type: Chip; Bdrk; area h.g. Brecciated dacite (?) Heavy Fe & Mn staining of fracture surfaces. Arsenopyrite (?)
0190 R	LCB4	19	0.4		23	18	Au -.1 As 15	Type: Chip; Rubcrop; area h.g. A lt. gy. porphyritic rhyolitic dacite (?). The area is very gossanous, much limonite, the soil is yellow, much Fe & Mn staining on fracture surfaces.
0191 R	LCB4	22	7.8		103	410	Au -.1	Type: Chip; Bdrk; area h.g. Dacite porphyry. Fe & Mn staining.
0192 R	LCB4	21	0.7		9	156	Au -.1	Type: Grab; rubcrop; area h.g. Brecciated chloritized dacite porphyry with heavy Fe & Mn staining.
0193 R	LCB4	10	0.4		36	184	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated chloritized dacite porphyry with heavy Fe & Mn staining. Some micron size cpy.
0194 R	LCB4	13	0.3		14	154	Au -.1	Type: Chip; Bdrk; area h.g. Brecciated dacite porphyry, Mn & Fe staining.
0195 R	LCB4	6	0.3		11	86	Au -.1	Type: Chip; Bdrk; area h.g. Porphyritic Dacite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0196 R	LCB4	120	3.7		78	740	Au -.1	Type: Chip; Bdrk; area h.g. Dacite Porphyry, Much surficial limonite.
0197 R	LCB4	220	2.3		142	720	Au -.1	Type: Grab; Rubcrop; area h.g. Brecciated Dacite Porphyry, Mn stained.
0198 R	LCB4	65	0.9		13	260	Au -.1	Type: Grab; Rubcrop; Area h.g. Brecciated Dacite Porphyry, Chloritized Mn & Fe staining.
0199 R	LCB4	58	0.4		35	440	Au -.1	Type: Grab; Rubcrop; Area h.g. Dacite porphyry, leached, Mn & Fe staining.
0200 R	LCB4	310	1.1		11	145	Au -.1	Type: Grab; Rubcrop; Area h.g. Brecciated Dacite Porphyry, Mn & Fe staining.
0220 R	LCB4	7	-.1		15	34	Au -.1	Type: Chip; Rubcrop. Rubcrop--buff, slightly porphyritic rhyolite, altered, Fe std, some Mn stn, feldspar phenox slightly altered; fine dissem. limonite in some Rx.
0221 R	LCB4	9	-.1		10	16	Au -.1	Type: Chip; Bdrk. Buff slightly porph. rhyo, Fe-std, altered, feldspar phenox altered and Fe std., some Mn stn. highly fractured (3/ft).
0222 R	LCB4	16	0.1		12	87	Au -.1 As - 5	Type: Grab; Bdrk. Med. grnd., dk. gry, diorite (?), Fe std., 1% hornblende phenos, < 1% dissem. pyrrhotite.
0223 R	LCB4	26	0.6		120	260	Au -.1 As - 5	Type: Chip; Rubcrop. Rubcrop--gry to gry buff rhyolite (?) tuff breccia, chert frags up to 5mm, Fe std., leached and silicified, trace of chlorite (?), feldspar phenox leached and Fe std.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0224 R	LCB4	12	0.1		92	260	Au -.1 As 20	Type: Chip; Rubcrop. Rubcrop--buff to grayish pink porph rhyo (?), Fe std., some Mn stain, leached and silicified, feldspar phenos altered but not argillized, trace of chlorite (?) highly fractured.
0225 R	LCB4	10	0.2		21	210	Au -.1 As 5	Type: Chip; Rubcrop. Rubcrop--pinkish buff to lt. gry porph rhyo, moderately Fe std., altered, silicified, qtz and feldspar phenos av. < 1 mm, feldspars altered and Fe std. Av. size of rubcrop frags 2 cm.
0226 R	LCB4	8	-.1		20	85	Au -.1 As - 5	Type: Chip; Rubcrop; area h.g. Rubcrop--gry cherty rhyo tuff breccia (?) Fe std., highly frac, av. rubcrop frag size 1 cm over 50 ft. length on ridge, silicified, chlorite (?) alteration in places, heavy Mn stn. on some Rx.
0227 R	LCB4	22	-.1		12	118	Au -.1 As - 5	Type: Chip; Bdrk; Area h.g. Gry cherty rhyo tuff, few lithic fragments, extremely silicified, moderate Fe stn., some Mn stn., highly fractured (av. 4/ft). Sample from area w/stronger Fe stn.
0228 R	LCB4	14	0.1		18	112	Au -.1 As - 5	Type: Chip; Bdrk. Gry cherty rhyo welded tuff, extremely silicified, strongly Fe and Mn std., relict feldspar phenos and pumice frags (3 mm long) visible, highly fractured (5/ft).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0229 S	LCB4	39	0.8		104	162		Gry Grn porph dacite, plag phenos up to 3 mm, av. 2 mm, Fe std on fractures. Float--same as above, some Rx w/ calcite amydules. Some gry grn welded tuff breccia.
0230 S	LCB4	100	3.0		38	2000		Bdrk--dk gry dacite (?) porph, moderately Fe std, highly fractured (3/ft), < 1% dissem pyrrhotite. Float--acidic to intermediate volcanics, tuffs & tuff breccias.
0231 S	LCB4	36	1.6		55	260		Bdrk--dk gry porph dacite (?), feldspar phenos 2 mm av., Fe stain on fractures, fractures 2/ft. Float--same as above plus dk pinkish to gry rhyolite (?), Fe std.
0232 R	LCB4	16	-.1		28	87	Au -.1 As 750	Type: Chip; Bdrk; Area h.g. Gry to buff rhyolite & rhyolite breccia, strongly Fe std., moderately leached, feldspars leached and Fe std., silicified, highly fractured (8/ft). Float--same as above. Sample taken from strongly Fe-std. area.
0233 R	LCB4	14	0.1		31	210	Au -.1 As 5	Type: Grab; Float. Float--lt pink to buff rhyolite & rhyo breccia, strongly Fe std.
0234 R	LCB4	21	0.1		24	176	Au-.1 As 5	Type: Chip; Rubcrop. Rubcrop--buff, slightly porph rhyolite w/minor amts. rhyo breccia, strongly Fe std., altered and silicified, feldspar phenos slightly altered & Fe std. highly fractured (6/ft)

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0235 R	LCB4	41	0.1		24	115	Au -.1 As 65	Type: Chip; Bdrk. Pinkish to buff to gry slightly porph rhyolite & rhyo breccia, strongly Fe stnd, small amt. chlorite (?) altered, silicified, highly fractured (5/ft). Taken from Fe stnd. area several hundred ft. wide. Some Rx show small (2 mm) spherulites.
0236 R	LCB4	10	0.1		16	132	Au -.1 As 50	Type: Grab; Float. Float--Gry to buff rhyolite (?) some slightly porphyritic, some Rx appear to be welded tuff w/ flattenen pumice frags, all Rx Fe stnd. Much Mu stn., some chloritic alteration 30% of Rx strongly altered, silicified av. frag size 3 cm. large talus slope.
0237 R	LCB4	13	-.1		19	80	Au -.1 As 110	Type: Chip; Bdrk. Cream to buff rhyo (?) breccia, strongly leached and argillically altered, moderate Fe stn., some Mn stn., altered area 200 ft. wide on hillside. Some rx w/ dissem limonite after (?) highly fractured (6/ft) porph basalt crops out upslope.
0240 R	LCB4	210	1.4		32	200	Au -.1 As 75	Type: Chip; Rubcrop; Area h.g. Dacite porph, groundmass fng, feldspars to 1 cm, slightly chloritized, strongly Fe stnd. along fractures, < 1% dissem pyrrhotite sample zone of stronger Fe stn. and greater fracturing (6/ft). Columnar jointing.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0241 R	LCB4	83	1.5		27	96	Au -.1 As - 5	Type: Chip; Bdrk; Area h. g. Dacite porph, groundmass fng, feldspar phenos up to 8 mm, slightly chloritized, strong Fe stn. on fractures, < 1% disseminated pyrrhotite, trace chalcopyrite? Sample from 10 ft wide zone more strongly Fe stnd. and fractured (6/ft) columnar jointing.
0242 R	LCB4	100	1.7		27	106	Au -.1 As 5	Type: Chip; Bdrk. Gryish purple dacite porph, groundmass fng, feldspar phenos up to 5 mm, slight chloritic alteration, disseminated pyrrhotite up to 1%, strong Fe stn. on fractures. Frac 8/ft.
0243 R	LCB4	50	1.1		55	92	Au -.1 As - 5	Type: Chip; Bdrk. Dacite porph, chloritized, fng groundmass, feldspar phenos to 5 mm, strong Fe-stn on frac, argillized in places, fng disseminated pyrrhotite < 1%. Some fng rk w/ phenos not visible, up to 2% disseminated pyro. Small amt. of intermed volc breccia float.
0244 R	LCB4	150	1.2		26	105	Au -.1 As - 5	Type: Chip; Bdrk. Dk gry dacite porphyry, groundmass fng, feldspar phenos up to 1 cm long, slightly chloritized strong Fe stn. on fractures, < 1% disseminated pyrrhotite, highly fractured (4/ft). Float--same as above plus small amt. of intermed. volc breccia float.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0245 R	LCB4	150	1.3		76	740	Au -.1 As 130	Type: Chip; Bdrk; Area h.g. Dk gry dacite porph, fng groundmass, feldspar phenos up to 1 cm, strong Fe stn., 1% dissem pyrrhotite, slightly chloritized, sample from argillized zone 3 ft. wide, 20 ft. along slope in small drainage; strong to completely argillized. Fe stnd. Float--same as above plus small amt. volc breccia.
0246 R	LCB4	160	1.6		28	66	Au -.1 As - 5	Type: Chip; Bdrk; Area h.g. Dk gry dacite porph, fng groundmass, feldspar phenos up to 5 mm, chloritized, strongly Fe stnd. w/ dissem pyrrhotite (1%) highly fractured area (5/ft). Silicified. Float--same as above plus small amt. intermed. volc breccia.
0247 R	LCB4	13	0.1		32	59	Au -.1 As 5	Type: Chip; Rubcrop; Area h.g. Rubcrop--lt gry flow-banded rhyolite tuff, bands qtz rich or feldspar rich, occasional small feldspar phenos to 1 mm, strongly Fe stained area, highly fractured (6/ft), slight alteration (argillic)
0248 R	LCB4	14	0.1		20	60	Au -.1 As 5	Type: Chip; Rubcrop. Rubcrop--lt gry porph rhyolite tuff, flow banding in places, qtz and k-spar phenos up to 2 mm, few chloritized mafics, moderate Fe & Mn stain on fractures and some dissem limonite in places. Highly frac (5/ft) Float--noted some rhyo tuff bx, some rhyo tuff w/lithophysae up to 1 cm.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0249 R	LCB4	110	8.0		750	240	Au -.1 As 5	Type: Chip; Bdrk; Area h.g. Gry rhyodacite tuff breccia. Sample from 50 ft wide strongly Fe stnd. Some cut by ravine altered and silicified, highly fractured (12/ft), relict feldspar phenos visible in some rx.
0250 R	LCB4	11	0.2		15	99	Au -.1 As - 5	Type: Chip; Rubcrop. Gry rhyodacite tuff breccia, moderate Fe & Mn stain, chloritized, lithic frags up to 3 cm.
0251 R	LCB4	11	0.1		16	82	Au -.1 As - 5	Type: Grab; Float; Sample h.g. Float--dacite welded tuff and tuff breccia, grey, moderate Mn & Fe stain, chloritized, some feldspars epidotized, some rx have dissem limonite (sample) and py?
0252 R	LCB4	16	0.2		18	87	Au -.1 As - 5	Type: Chip; Bdrk. Gry dacite welded tuff, chloritized, moderate Fe stn. on fractures and dissem, highly fractured (8/ft).
0253 R	LCB4	29	0.2		36	105	Au -.1 As - 5	Type: Chip; Bdrk; Rubcrop; Float; Area h.g. Dk gry dacite welded tuff w/minor amts. tuff breccia, chloritized, moderate Fe & Mn stain, highly fractured (12/ft) and slightly argillized area in saddle sample full width of zone.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0254 R	LCB4	14	0.2		13	72	Au -.1 As 35	Type: Chip; Bdrk; Area h.g. Gry dacite welded tuff breccia, lithic frags up to 3 cm, chloritized, small amt. epidoted; sample area strongly Fe stained on frac, some dissem limonite; zone about 30 ft. wide in saddle; highly fractured (5/ft).
0255 R	LCB4	9	0.1		9	36	Au -.1	Type: Chip; Rubcrop; Area h.g. Gry rhyodacite welded tuff & tuff breccia, breccia frags up to 3 cm, poorly developed lithophysae in some places up to 2 cm dia., chloritized, Fe stained. Sample from moderately Fe stained zone 400 ft wide, highly fractured (4/ft).
0256 R	LCB4	16	0.2		20	43	Au -.1	Type: Chip; Rubcrop; Area h.g. Rubcrop--fng porphyritic granodiorite moderate to strong Fe stain, moderately leached in places, chloritized. Patches of Fe stained rx extend along ridge about 600 ft. Sample from strong Fe stained area.
0257 R	LCB4	10	0.1		29	64	Au -.1	Type: Chip; Bdrk; Area h.g. Aplitic granodiorite. Sample area leached, strongly Fe stained, highly fractured (6/ft), mafics altered to chlorite and limonite liesegang bands (Fe stain) on some rx. Patchy Fe stnd zone extend about 600 ft. along ridge.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0258 R	LCB4	10	0.1		16	41	Au -.1	Type: Chip; Rubcrop; Area h.g. Gry rhyodacite porphyry; feldspar phenos up to 5 mm, white plag & salmon pink k-spar; chloritized, small amt. of epidote alteration few lithic frags. Sample of porph rhyolite (?) pod in rhyodacite country rk, shows flow banding, qtz and salmon pink k-spar phenos to 1 mm.
0259 R	LCB4	17	0.1		17	34	Au -.1	Type: Chip; Bdrk; Area h.g. Gry porphyritic rhyodacite, Fe stain light to strong, highly fractured (6/ft). Patches of Fe stnd rx along about 300 ft. of ridge.
0260 R	LCB5	9	0.3		26	38	Au -.1 As - 5	Type: Chip; Rubcrop. Rubcrop--gry to buff rhyolite breccia, leached and Fe stnd, a few Fe stnd voids, small amts. of chlorite. Float--Some large boulders of hornblende qtz diorite, some hornblende dacite porphyry.
0261 R	LCB5	9	0.4		20	21	Au -.1 As 15	Type: Chip; Bdrk; Rubcrop; Area h.g. Very strongly Fe stained rhyolite (?) w/up to 5% finely disseminated pyrite. Sample from area w/dark rust brown stain in Fe stained zone 500 feet wide along side of hill and 500 feet vertical extent, highly fractured (6/ft).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0262 R	LCB5	10	0.3		24	33	Au -.1 As 5	Type: Chip; Rubcrop. Rubcrop--strongly Fe stained rhyolite (?) porphyry and breccia, leached and argillized in places, some Fe stained voids, up to 5% finely dissem pyrite. Large Fe stnd area extending 500 ft. along hillside and 500 ft. vertically.
0263 S	LCB5	26	0.8		29	118		Float--50% rhyolite (?) porphyry; breccia, Fe stnd some w/dissem pyrite; qtz diorite; andesite.
0264 D	LCB5	13	0.6		17	49		Float--Dk gry andesite (?) welded tuff porphyry, feldspars up to 4 mm, lithic frags up to 3 cm, mafics slightly altered and Fe stained.
0265 S	LCB5	24	0.5		25	90		Float--Dk gry andesite (?) welded tuff porphyry, feldspar phenos up to 4 mm, some rx moderately propylitized, some Fe stain, contains small amt. of magnetite (?); some rx strongly argillized; coarsely xlline calcite from vein up to 5 cm thick.
0266 R	LCB5	20	0.7		15	86	A -.1	Type: Grab; Bdrk; Area h.g. Andesite welded tuff porphyry (?), highly frac, strongly argillized, Fe stained. Possibly in shear zone.
0267 R	LCB5	10	0.2		17	57	A -.1	Type: Chip; Bdrk; Rubcrop. Dacite welded tuff porphyry (?) leached and moderately Fe stained, some Mn stain, slightly argillized.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0306 D	LCB5	35	0.1		16	71		Float: 85% metasiltstone with trace pyrite; 15% rounded ratics; dacite porphyry and granite.
0307 D	LCB5	16	0.1		10	37		Float: 75% Slst; 25% Granite
0308 R	LCB5	64	0.5		12	26	Au -.1	Type: Grab; Chip; Float; Area h.g.; Sample h.g. Float: Sample of 3 boulders of gray to pinkish gray chert w/thin veinlets - 1/10" of pyrrhotite and traces chalcopyrite, very little leaching, cu = .1% veinlets crosscut and are also conformable to bedding. Generally more than 4' apart. Slst & metagreywacke & chert in float.
0309 R	LCB5	105	0.8		16	33	Au -.1	Type: Grab; Chip; Float; Area h.g.; sample h.g. Float: Chips of 2 boulders of purplish chert splintery fracture. Numerous to weak stock work pyrrhotite with trace to .5% cpy veinlets, strong cloudy siliceous veinlets. This type of rock makes up 10-15% of float. Other float is meta?
0310 D	LCB5	23	0.1		20	60		Float: Coarse grained metagreywacke, traces pyrrhotite, trace cpy.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0311 D	LCB5	45	0.4		19	103		Nearby bedrock - med. grained diorite with less than 10% biotite. Float: 75% Diorite, 25% metagreywacke.
0312 R	LCB5	68	0.3		15	65	Au -.1	Type: Grab; Rubcrop. Fe stained rubcrop. Non-hygraded sample, grab across 10' in saddle. Total iron stained area is plus 100' wide. Meta siltstone and metagreywacke with 1 - 1½% pyrite & pyrrhotite.
0336 R	LCB4	870	5.4		20	190	Au -.1 W -25 Sn 50	Type: Grab; Float; Area h.g. Best piece of float in entire talus area. Approx. 1% disseminated chalcopyrite in a greenish silicified slightly porphyritic intermediate volcanic (?) probably dacite. ½ of sulfides are leached to dark brn limonite. Weak chlorite & sericite.
0337 R	LCB4	2100	21.0		24	205	Au -.1 W -25 Sn 50	Type: Grab; Rubcrop; Area h.g. Greenish silicified-sericite volcanic, intermed., 1% Cu as chalcopyrite, no pyrite. Mineralized area - 8 - 10' wide, boulder tran 50' long, upper part outcrop. Fng rock & mineralization on fracture
0338 R	LCB4	3000	19.0		11	91	Au -.1 As 2550 Sb 5 Bi 85	Type: Grab; Float; Area h.g. Float: light colored fine grained, rhy (?) strong silicification 1% cpy on frac and dissemination; weak vugs, 1/2% silvery metallic (arsenopyrite ?) Float is all

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0339 R	LCB4	350	4.3		33	88	Au -.1	Type: Grab; Float. Float: Mostly yellow iron stain, fine grained felsite, some with feldspar phenocrysts. 1-2% is strong vein gossan. Traces of py and cpy. 1-3% float has dark brown limonite after cpy. 1-2% breccia-vein gossan. 40' grab of
0340 D	LCB4	110	16.0		260	220		Barren andesite cut by a rhy dike with weak iron stain; yellow; no sulfide; weak limonite. Background value.
0341 R	LCB4	100	1.5		610	190	Au -.1	Type: Chip; Bdrk; Rubcrop. 8' chip of rubcrop - bedrock along ridge. Moderately ironstained rhyodacite. Trace diss. lim slightly porphyritic (feld less than 1/16"
0342 R	LCB4	54	1.1		110	550	Au -.1	First of a series of rock chip every 100 ft.
0343 R	LCB4	150	1.5		77	230	Au -.1	Type: Grab; Bdrk; Rubcrop. 90% moderately Fe stained rhyolite, some rhyodacite. Minor red hematite. 1-2% diss. limonite after sulfides 25' grab at intersection of three ridges.
0344 R	LCB4	260	7.6		23	350	Au -.1	Type: Grab; Rubcrop. 90% rhyolite with weak yellow iron stain & weak to mod. argillic alteration. 1" - 2" pebble size of talus. 10% dacite. Found arsenopyrite here.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0345 R	LCB4	270	5.0		13	240	Au -.1	Type: Grab; Rubcrop. Strong Fe stained rhyolite, strong fracturing & oxidation. 1 - 3% limonite after sulfides. 40' representative grab near edge of iron stained area.
0412 R	LCB4	190	1.5	7	39	100	Au -.1	Type: Chip; Bdrk; Rubcrop. Fe stained Feldspar porphyry with minor sulfide and considerable chlorite & dissem. 4% fine grained pyrrhotite with Fe oxides on parting faces. Comp: dacite porphyry.
0413 R	LCB4	1400	8.9	1	54	440	Au -.1	Type: Chip; Bdrk; Rubcrop; Area h.g. Dark siliceous chloritic feldspar porphyry (dacite comp ²) with 4% dissem. chalcopryrite/pyrrhotite (chalcopryrite greater than pyrrhotite!) Also parallel sulfide veining in rock. Area Fe stained. 30 ft. across.
0414 R	LCB4	220	2.0	3	45	210	Au -.1	Type: Chip; Bdrk; Area h.g. Fe stained. Silicified & minor chlorite feldspar porphyry with fng groundmass. Rock cut by fractures every 2 - 3 cm. 4 - 5% pyrrhotite & unident silvery coloured mineral & Possible minor fng chalcopryrite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0415 R	LCB4	83	1.0	1	19	125	Au -.1	Type: Chip; Rubcrop. Fe stained mgr. feldspar porphyry with dacite comp. Minor chlorite & silicification in groundmass. 10% pyrrhotite & trace chalcopryrite. Hematite on partings.
0416 R	LCB4	54	3.3	3	36	640	Au -.1	Type: Chip; Bdrk. Fe stained. Silicified Chlorite feldspathic porphyry dacite with 10% sulphide (pyrrhotite with possible trace chalcopryrite). Hematite on partings.
0417 R	LCB4	42	1.6	2	27	55	Au -.1	Type: Chip; Rubcrop. Fe stained Feldspar porphyry (1 cm) with fgn grey matrix and minor chlorite 5 - 10% pyrrhotite and hematite on partings.
0418 R	LCB4	16	0.3	2	12	48	Au -.1	Type: Chip; Rubcrop. Fe stained feldspathic tuff with av. 5 mm fragments of Qtz/silica, shale ? and minor chlorite alt ⁿ . 10% Pyrrhotite. Hematite coatings on partings.
0419 R	LCB4	37	0.4	2	16	87	Au -.1	Type: Chip; Bdrk. Coarse feldspar/Qtz Qtz dacite tuff breccia (fragments \leq 3 cm) with 5 - 10% pyrrhotite with hematite on partings.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0420 R	LCB4	34	1.0	1	26	50	Au -.1	Type: Chip; Bdrk. 2 ft. wide zone with angular tuff breccia. Fe oxide/hematite plentiful. Fng Qtz-Chlorite-Sulfide rock (acid tuff?) with 10% pyrite with trace chalcopyrite.
0421 R	LCB4	280	1.7	1	44	75	Au -.1	Type: Chip; Bdrk. Fe stained sulfide, fng dacitic tuff with minor chlorite and 3 - 4% pyrrhotite. Hematite on partings.
0422 R	LCB4	510	9.1	1	19	41	Au -.1	Type: Chip; Bdrk. Fe stained dacitic tuff - box work, hematite/Fe oxide 2 - 3" wide (pan zone 15 ft. wide.)
0423 R	LCB4	19	0.4	2	14	113	Au -.1	Type: Chip; Bdrk. Fe stained dacitic tuff--grades into--dioritic rock. Minor hematite on partings.
0424 R	LCB4	25	0.5	5	16	50	Au -.1	Type: Chip; Bdrk. Fe stained hematite fng (less than 3 mm) dacitic tuff (chloritic) plus 5 - 10% pyrrhotite.
0425 R	LCB4	13	0.1	3	11	17	Au -.1	Type: Chip; Bdrk. Siliceous dacitic tuff with minor chlorite plus 4 - 6% pyrrhotite. Hematite on partings.
0426 R	LCB4	21	0.6	1	19	110	Au -.1	Type: Chip; Bdrk. Hematitic partings on a basic-intermediate dacite tuff (grain size equal to or less than 4mm) 4% disseminated pyrrhotite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0427 R	LCB4	25	0.5	5	15	62	Au -.1	Type: Chip; Bdrk. Fe stained chloritic Dacitic tuff (gr size equal to or less than 3 mm) with 3% disseminated pyrrhotite. Hematite on partings.
0428 R	LCB4	41	0.8	2	15	52	Au -.1	Type: Chip; Rubcrop. Fe stained chloritic Dacite tuff with hematite on partings. 3 - 5% pyrrhotite.
0429 R	LCB4	36	0.9	3	21	3300	Au -.1	Type: Chip; Bdrk. Fine grained dacitic tuff with Fe staining. Hematite on partings. 6% veinlets of fng pyrite?
0430 R	LCB4	130	0.7	1	25	116	Au -.1	Type: Chip; Bdrk. Qtz-Biotite-Feldspar-(chlorite) rock. Dacitic tuff with 4% pyrrhotite and dark metallic mineral (sphalerite ?)
0431 R	LCB4	83	0.7	2	17	102	Au -.1	Type: Chip; Bdrk. Fe stained Qtz-Biotite-Feldspar-Chlorite rock with pyrite, pyrrhotite - dark metallic (Total 5 - 8%) Outcrop 10' width visible over 30 ft. strike.
0432 R	LCB4	41	2.3	4	50	86	Au -.1	Type: Chip; Bdrk. Fe stained Hematitic, Qtz-feldspar-biotite-chlorite granite (mdg) weathered pyrite visible.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0433 R	LCB4	150	0.8	11	19	69	Au -.1	Type: Chip; Bdrk. 15 - 20 ft. wide zone of Fe oxide/minor box work in a fng felspathic volcanic (rhyolitic ?)
0434 R	LCB4	47	0.5	2	39	31	Au -.1	Type: Chip; Bdrk. Fe stained felspathic, siliceous, fng, rhyolitic volcanic.
0435 R	LCB4	22	0.1	3	11	14	Au -.1	Type: Chip; Bdrk. Fine grained, Fe stained, felspathic siliceous rhyolitic volcanic, minor box work ($\leq 3\%$) - leached.
0436 R	LCB4	43	0.1	6	15	90	Au -.1	Type: Chip; Bdrk. Fe stained, fng. felspathic siliceous rhyolitic volcanic. Hematite developed in box work/veinlets ($\leq 5\%$ of volume).
0437 R	LCB4	14	0.4	1	12	62	Au -.1	Type: Chip; Rubcrop. Chloritic cherty Acid fragmental volcanic. (grain size equal to or less than 1.5 cm) minor Mn/Fe staining. Minor box work ($\frac{1}{2}\%$) Rock weathers pinkish colour.
0438 R	LCB4	9	0.1	1	16	22	Au -.1	Type: Chip; Rubcrop. Red stained, chloritic, acid volcanic perviously altered, minor Fe box work (1%) - leached. Suspect alteration due to nearby intrusive?

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0439 R	LCB4	18	0.6	1	99	104	Au -.1	Type: Chip; Bdrk. (Fragments equal to or less than 0.7 cm) Felsic tuff with limonite staining and 1% box work. White - buff weathering (Fe anomaly from a distance) 5 - 10% chlorite present.
0440 R	LCB4	14	0.6	2	32	122	Au -.1	Type: Chip; Bedrock. Chloritic silicic dacite tuff (fragments equal to or less than 1 cm) with hematite staining.
0441 R	LCB4	9	0.1	1	8	8	Au -.1	Type: Chip; Bdrk. Fe stained, hematite veined chloritic felsic tuff (weather white - buff) fragments equal to or less than 1 cm. NB. possibly a small fault block - exposure 100 ft. square with brecciated tuff - fault zone?
0442 R	LCB4	6	0.1	1	10	6	Au -.1	Type: Chip; Bdrk. Fe stained limonite/hematite box work chloritic felsic tuff (fragments equal to or less than 1 -5 cm). Estimate 5 - 10% box work.
0443 R	LCB4	11	0.3	3	13	86	Au -.1	Type: Chip; Bdrk. Mn/Fe oxide coatings on shattered chloritic tuff (fragments equal to or less than 2 cm)
0444 R	LCB4	17	0.3	1	25	153	Au -.1	Type: Chip; Bdrk. Chloritic dacitic tuff (fragments equal to or less than 2 cm) with 1% Fe oxide box work and 3% limonite/Mn oxide veining.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0445 R	LCB4	54	0.5	4	54	68	Au -.1	Type: Chip; Bdrk. Brecciated felsic (tuff ?) volcanic with Fe oxide and minor box work (less than 1%) weather white (kaolinized) with Fe oxide stains.
0446 R	LCB4	25	0.5	2	15	116	Au -.1	Type: Chip; Rubcrop; Float. Chloritic cherty dacitic ? Volcanic tuff/breccia (fragments equal to or less than 5 cm) with 1/4% pyrite with minor Fe oxide coatings.
0447 R	LCB4	51	0.3	3	24	118	Au -.1	Type: Chip; Rubcrop, Fe stained felsic volcanic tuff (fragments equal to or less than 1.5 cm) Mn/Fe oxide coatings on partings with minor 1/2% Fe oxide box work.
0449 R	PASS	11	0.4	1	8	54	Au -.1	Type: Chip; Bdrk. Feldspar porphyry (3 mm) plus Qtz with amphibole--chlorite.
0450 R	PASS	18	0.3	1	5	74	Au -.1	Type: Chip; Bdrk. Feldspar porphyry (equal to or less than 2 mm) with minor Qtz, epidote, and chlorite after amphibole? Hematite staining with chlorite.
0451 R	PASS	34	1.0	4	82	136	Au -.1	Type: Chip; Bdrk. Fine grain dacite feldspar porphyry with hematite/goethite on partings. Evidence of alteration from chalcopyrite. (K-Feldspar noted in minor amounts).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0452 R	PASS	110	1.2	3	58	1350	Au -.1	Type: Chip; Bdrk. Brecciated Dacite volcanic with interstitial Fe oxides and goethite on partings. Fragments (equal to or less than 2 cm)
0453 R	PASS	85	0.3	2	25	370	Au -.1	Type: Chip; Bdrk. Brecciated dacite volcanic with hematite/goethite veining on partings. Fragments (< 0.8 cm)
0454 R	PASS	11	0.5	6	15	3200	Au -.1	Type: Chip; Bdrk. (kaolinite ?) White greasy mineral in a fault/intrusive contact zone - associated with Mn stained Fe oxide "gunk!" Zone 6" wide over 20 ft strike (vertical drop)
0455 R	PASS	26	0.9	2	10	178	Au -.1	Type: Chip; Bdrk. Flow banded siliceous dacite with chlorite and minor Feldspar (1 mm) phenocrysts. Mn oxide on fractures.
0456 R	PASS	9	0.4	1	8	200	Au -.1	Type: Chip; Bdrk. K-feldspar/chlorite altered dacite tuff breccia. 1/2% hematite disseminated. Minor Mn oxide staining of partings.
0457 R	PASS	76	1.2	16	25	580	Au -.1	Type: Chip; Bdrk. Dacite volcanic with goethite/hematite veining of fractures. (Evidence of alteration from chalcoppyrite ?)

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0458 R	PASS	440	13.0	2	6	38	Au -.1	Type: Chip; Bdrk. Felsic volcanic with 6% Fe oxide dissemination and veining by Fe oxide/micro Qtz xls.
0459 R	PASS	1100	4.5	5	10	160	Au -.1	Type: Chip; Rubcrop. Felsic volcanic with Fe oxide veinlets.
0460 R	PASS	2700	54.0	17	34	205	Au 0.1	Type: Chip; Rubcrop. Felsic volcanic with Fe oxide box work.
0461 R	PASS	190	2.0	2	4	40	Au -.1	Type: Chip; Rubcrop. Felsic volcanic with 5% Fe oxide box work/veining.
0462 R	PASS	150	1.2	2	15	280	Au -.1	Type: Chip; Bdrk. Feldspar dacite porphyry.
0463 R	PASS	560	12.6	5	13	68	Au -.1	Type: Chip; Bdrk. Dacite volcanic with Fe oxide veining.
0464 R	PASS	160	1.7	2	5	68	Au -.1	Type: Chip; Bdrk. Feldspar dacite porphyry with Fe oxide veining. Minor chlorite development.
0465 R	PASS	340	4.9	3	4	46	Au -.1	Type: Chip; Bdrk. Dacite volcanic with Fe oxide veining.
0466 R	PASS	340	3.9	5	30	92	Au -.1	Type: Chip; Bdrk. Dacite volcanic with Fe oxide veining.
0467 R	PASS	34	2.7	2	135	146	Au -.1	Type: Chip; Bdrk. Felsic volcanic with 2 - 3% Fe oxide after disseminated sulfide?
0468 R	PASS	8	1.4	1	42	190	Au -.1	Type: Chip; Bdrk. Feldspar dacite porphyry with minor chlorite/hematite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0469 R	PASS	98	470.0	3	1500	460	Au -.1	Type: Chip; Rubcrop. Feldspar dacite porphyry with Fe oxide veining. Possible MoS ₂ on partings (darkish grey).
0470 R	PASS	600	2.6	6	680	3600	Au -.1	Type: Chip; Rubcrop. Brecciated dacite - 90% goethite.
0471 R	PASS	330	0.9	4	183	1680	Au -.1	Type: Chip; Rubcrop. Felsic tuff/breccia - 60% goethite box work.
0472 R	PASS	230	1.8	4	260	250	Au -.1	Type: Chip; Rubcrop. Dacite volcanic with 30% goethite veining.
0473 R	PASS	70	0.4	8	27	92	Au -.1	Type: Chip; Rubcrop. Siliceous (fng.) Feldspar dacite porphyry with K-feldspar development. 2 - 5% Fe oxide veining.
0474 R	PASS	1300	9.5	4	78	1500	Au -.1	Type: Chip; Rubcrop; Float. Chloritic dacitic volcanic with 20-30% goethite.
0475 R	PASS	220	0.4	4	39	102	Au -.1	Type: Chip; Rubcrop. Dacite volcanic with Fe oxide veining. Evidence of alteration from chalcopyrite.
0476 R	PASS	43	2.5	1	410	260	Au -.1	Type: Chip; Rubcrop. Dacite volcanic with Fe oxide veining.
0477 R	PASS	630	5.5	5	80	590	Au -.1	Type: Chip; Rubcrop. Felsic volcanic with 8% Fe oxide veining/dissemination.
0478 R	PASS	110	3.7	1	125	550	Au -.1	Type: Chip; Rubcrop. Dacite volcanic with 10% Fe oxide veining from 5 - 10 ft. zones on ridge. Three such zones noted - strike length unknown due to talus coves.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0479 R	PASS	9	0.1	1	9	60	Au -.1	Type: Chip; Bdrk. Dacite volcanic with 3 - 5% Fe oxide veining.
0480 R	CHINE	7	0.6	5	10	26	Au -.1	Type: Chip; Bdrk; Rubcrop. 15 ft. sq. area of siliceous quartz vein in micro granite. Vein contains 70% limonite - box work.
0481 R	CHINE	7	0.1	2	9	26	Au -.1	Type: Chip; Rubcrop. 20' x 2' wide siliceous - quartz - limonite vein in micro granite.
0482 R	CHINE	13	0.2	1	17	28	Au -.1	Type: Chip; Rubcrop. 3 - 7 ft. wide aplitic vein system with ½% pyrite and 2% limonite zone open ended under talus.
0483 R	CHINE	17	0.4	3	13	62	Au -.1	Type: Chip; Bdrk. 2% arsenopyrite with 2% limonite in a quartz - dacite volcanic. Sulfides as dissem/veinlets.
0484 R	CHINE	12	0.3	1	12	18	Au -.1	Type: Chip; Bdrk. 10% limonite box work/parting coatings in a chloritic feldspar dacite rock.
0485 R	CHINE	9	0.2	1	9	48	Au -.1	Type: Chip; Bdrk. Chloritic dacite volcanic with feldspar phenocryst (3 mm) with Fe oxide veins/box work.
0486 R	CHINE	21	0.5	3	10	62	Au -.1	Type: Chip; Bdrk. Quartz - feldspar dacite porphyry with Fe oxide veining.
0487 R	CHINE	32	1.0	1	15	174	Au -.1	Type: Chip; Bdrk. Feldspar porphyry with arsenopyrite 2% and Fe oxide veining.
0488 R	CHINE	26	0.5	2	18	44	Au -.1	Type: Chip; Bdrk. Dacite volcanic with Fe oxide veining on partings.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0489 R	CHINE	31	0.8	4	19	66	Au -.1	Type: Chip; Bdrk. Dacite volcanic with Fe oxide veining and 1% pyrrhotite.
0490 R	CHINE	22	0.5	1	10	86	Au -.1	Type: Chip; Bdrk. Feldspar dacite porphyry with 1% arsenopyrite and 5% Fe oxide veining.
0491 R	CHINE	27	0.5	1	15	74	Au -.1	Type: Chip; Bdrk. Feldspar dacite porphyry 5% Fe oxide veining.
0492 R	CHINE	44	0.6	1	16	108	Au -.1	Type: Chip; Bdrk. Feldspar dacite porphyry with arsenopyrite and minor chalcopyrite? 10% Fe oxide veining.
0493 R	CHINE	22	0.5	9	22	550	Au -.1	Type: Chip; Bdrk. Dacite volcanic with 5% pyrrhotite/Fe oxide veining.
0494 R	CHINE	24	0.4	1	12	28	Au -.1	Type: Chip; Bdrk. Dacite volcanic with arsenopyrite 1% and 5% Fe oxide veining.
0495 R	CHINE	37	0.6	1	17	14	Au -.1	Type: Chip; Bdrk. Dacite volcanic with 5% Fe oxide veining and 1/2% arsenopyrite.
0496 R	CHINE	25	0.9	1	16	54	Au -.1	Type: Chip; Bdrk. Dacite volcanic with 3 - 5% Fe oxide on partings.
0497 R	CHINE	13	0.3	3	4	2	Au -.1	Type: Chip; Bdrk. Banded dacitic tuff with 3% Fe oxide on partings.
0498 R	CHINE	15	0.2	1	4	3	Au -.1	Type: Chip; Bdrk. Dacite volcanic with 4% Fe oxide veining on partings.
0499 R	CHINE	10	0.6	1	37	2	Au -.1	Type: Chip; Bdrk. Siliceous, grey felsic volcanic with 2% fng dissem. pyrite/minor chalcopyrite and Fe oxide (4%) veining on partings.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0500 R	CHINE	9	0.2	-1	11	30	Au -.1	Type: Chip; Bdrk. Fe oxide gossanous 10% felsic volcanic with 1 - 2% pyrite and minor fng chalcopryrite.
0547 S	LCB3							Monzonite mdg with basic dykes and xenoliths. Stream float. Fe oxide rich chloritic brecciated acid tuff? 10% Hornblende granite 10%, amphibolite 60%, Coarse intermediate and basic breccia/tuffs 20%.
0548 R	LCB3							Type: Chip; Float. Stream float, Fe oxide rich chloritic acidic breccia tuff? Stream approx. 5 - 10% of the float.
0549 S	LCB3							Probable monzonite mdg intrusive with basic xenoliths/dykes.
0601 R	LCB4	210	0.8		11	112	Au -.1	Type: Grab; Rubcrop; area h.g. Brecciated, chloritized dacite porphyry. Mn Staining.
0602 R	LCB4	180	1.0		13	210	Au -.1	Type: Grab; Rubcrop; Area h.g. Dacite porphyry (Brecciated?) Mn/Fe stained.
0603 R	LCB4	250	1.2		13	144	Au -.1	Type: Chip; Bdrk; Area h.g. Brecciated, chloritized dacite porphyry with small veinlets of pyrolusite.
0604 R	LCB4	150	1.6		39	310	Au -.1	Type: Chip; Bdrk; Area h.g. Brecciated? Dacite porphyry, Mn/Fe stained.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0605 R	LCB4	105	0.4		10	340	Au -.1	Type: Grab; Rubcrop; Area h.g. Brecciated dacite porphyry, very heavily Fe & Mn stained limonite.
0606 R	LCB4	75	0.9		11	104	Au -.1	Type: Chip; Bdrk; Area h.g. Chloritized dacite porphyry - chalcopyrite ?
0607 R	LCB4	27	0.8		18	350	Au -.1	Type: Chip; Bdrk; Area h.g. Chloritized brecciated dacite, limonite, Fe & Mn staining.
0608 R	LCB4	170	0.5		7	166	Au -.1	Type: Grab; Rubcrop; Area h.g. Tectonically brecciated dacite.
0637 R	LCB5	14	0.3		21	92	Au -.1	Type: Chip; Bdrk; Area h.g. A grey-brown granite stained with Fe/Mn, some limonite; the area in which it is is Fe stained a light yellow brown.
0638 R	LCB5	11	0.5		51	184	Au -.1	Type: Chip; Bdrk; Area h.g. As 0637 - a weathered light grey-brown granite with some Mn & Fe staining, small bits of limonite in the rocks.
0639 R	LCB5	11	0.2		12	166	Au -.1	Type: Chip; Bdrk; Area h.g. As 0637 & 0638. This particular example is quite weathered & is heavily Fe stained. The overall color is a lt. yellow. Although the area is quite Fe stained & looks very promising from a distance, when one is at the various sites excitement is not generated.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0640 R	LCB5	11	0.4		17	88	Au -.1	Type: Chip; Bdrk; Area h.g. Med. Grey gabbro - The area that this rock is in is not Fe stained.
0641 R	LCB5	26	0.3		8	60	Au -.1	Type: Chip; Bdrk; Area h.g. Med. Grey diorite with some Fe & Mn staining on fractured surfaces.
0642 R	LCB5	10	1.4		165	230	Au -.1	Type: Grab; Rubcrop; Area h.g. Gabbro - some Fe & Mn staining.
0643 R	LCB5	20	0.2		21	44	Au -.1	Type: Chip; Bdrk; Area h.g. A quite weathered granite, with Fe staining, small blebs of limonite in the rocks replacing (?). This is the rock which is producing the Fe staining on the mountain.
0644 R	LCB5	40	0.3		20	30	Au -.1	Type: Chip; Bdrk; Area h.g. A quite weathered granite, with Fe staining, small blebs of limonite in the rocks replacing (?). This is the rock which is producing the Fe staining on the mountain.
0645 R	LCB5	39	0.3		19	62	Au -.1	Type: Chip; Bdrk; Area h.g. A very weathered biotite granite with much Fe staining.
0646 R	LCB5	15	0.4		48	100	Au -.1	Type: Chip; Bdrk; Area h.g. A very weathered biotite granite with much Fe & Mn staining; there is some limonite present.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0647 R	LCB5	34	0.3		17	118	Au -.1	Type: Chip; Bdrk; Area h.g. A very weathered biotite granite with much Fe & Mn staining; there is some limonite present.
0648 R	LCB5	9	0.3		27	96	Au -.1	Type: Chip; Bdrk; Area h.g. A very weathered granite, some Fe & Mn staining.
0649 R	LCB5	9	0.3		36	110	Au -.1	Type: Chip; Bdrk; Area h.g. A very weathered granite, some Fe & much more Mn staining than 0648, some pyrolusite.
0650 R	LCB5	14	0.2		23	80	Au -.1	Type: Chip; Bdrk; Area h.g. Weathered granite Fe staining on grain sites - Ex Ferromags ?
0670 R	LCA4	27	0.7		37	106	Au -.1	Type: Chip; Bdrk; Area h.g. A med.-gray andesite which has been slightly chloritized. Trace amts. micron-sized grains of pyrite; epidote on fracture surfaces; some Fe staining & hematite on fracture surfaces.
0671 R	LCA4	170	0.8		8	44	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gray andesite recovered from a very Fe stained area; limonite, Mn & micron-sized grains of disseminated pyrite present. The bedrock has been heavily fractured - no preferred direction observed.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0672 R	LCA4	160	0.5		10	52	Au -.1	Type: Chip; Bdrk; Area h.g. A very fng grn-gry meta argillite which has been tectonically fractured; many hair-thk. crosscutting veinlets which are Qtz ? filled, heavily Fe & Mn stained - some hematite; there may be pyrite present.
0673 R	LCA4	59	0.3		14	64	Au -.1	Type: Chip; Bdrk; Area h.g. As 0672 - However, where 0672 was recovered from a gossanous area, this example is relatively unaffected by Fe staining. A fng grn-gry meta argillite.
0674 R	LCA4	160	0.9		13	120	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gray andesite which has been slightly chloritized. Trace amts. micron-sized grains of pyrite; epidote on fracture surfaces; some Fe staining & hematite on fracture surfaces.
0675 R	LCA4	34	0.4		9	78	Au -.1	Type: Chip; Bdrk; Area h.g. A dk. gry.-blk. very fng meta-siltstone showing blocky jointing & some Fe & Mn staining.
0676 R	LCA4	90	0.5		9	40	Au -.1	A dk-gry fng meta-siltstone with large quartz veins 2 - 6" thick. There has been some chloritization in the milky Qtz at the boundry between the host rock and the veining. Some Fe & Mn stn. Trace amts of pyrite, there may be some chalcopyrite. Some rocks partings show a micacious sheen, may be going to phy.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0677 R	LCA4	120	0.6		16	82	Au -.1	Type: Chip; Bdrk; Area h.g. A fng lt. gry-grn meta siltstone showing trace amts. of pyrite; there may be some chalcopyrite present. Seen as phenoclasts - sphene & minor garnet almandine ?
0678 R	LCA4	130	0.5		9	36	Au -.1	Type: Chip; Bdrk; Area h.g. Greywacke - Grn-gry in color, fng, Fe & Mn staining on fractured surfaces.
0679 R	LCA4	160	0.6		9	81	Au -.1	Type: Chip; Bdrk; Area h.g. A lt. gry-grn brecciated meta-sediment showing trace amts. micron-sized grains of disseminated pyrite. Groundmass poorly sorted meta-argillite-meta-phanerite which has been chloritized.
0680 R	LCA4	170	0.7		9	40	Au -.1	Type: Chip; Bdrk; Area h.g. A dk. gry. fng basalt showing Fe & Mn staining on fracture surfaces.
0681 R	LCA4	220	0.7		14	61	Au -.1	Type: Chip; Bdrk; Area h.g. Representative chip samples taken across a 20' line of an Fe stained gossanous area; the bdrx is a lt. gry-grn fine grained andesite, also show Mn staining.
0682 R	LCA4	120	0.6		8	50	Au -.1	Type: Chip; Bdrk; Area h.g. A fng gry-grn andesite which is approx. 50% chloritized; epidote occurs with the chloritization as also trace amts. of Mn staining.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0683 R	LCA4	270	0.9		12	134	Au -.1	Type: Chip; Bdrk; Area h.g. A fng med. grn andesite with trace amts. of very fine grains of dissem. pyrite.
0684 R	LCA4	180	0.7		14	77	Au -.1	Type: Chip; Bdrk; Area h.g. A med. grn fng andesite with plagioclase lath phenocrysts.
0685 R	LCA4	15	0.4		10	95	Au -.1	Type: Chip; Bdrk; Area h.g. A gry-grn porphyritic andesite with some Fe & Mn staining on fracture surfaces.
0686 R	LCA4	27	0.7		11	70	Au -.1	Type: Chip; Bdrk; Area h.g. A grn-gry porphyritic andesite with very fine grains of disseminated pyrite.
0687 R	LCA4	23	0.6		8	91	Au -.1	Type: Chip; Bdrk; Area h.g. A lt. grn. slightly chloritized volcanic tuff; trace amts. of very fng pyrite. Some Fe & Mn staining.
0688 R	LCA4	12	0.6		15	78	Au -.1	Type: Chip; Bdrk; Area h.g. A lt. grn. slightly chloritized volcanic andesite tuff with trace amts. of very fng pyrite. Some Fe & Mn staining.
0689 R	LCA4	17	0.5		10	94	Au -.1	Type: Chip; Bdrk; Area h.g. A lt. grn andesite tuff breccia somewhat chloritized. In the rock there is epidote & specularite (specular hematite) in grains & X-tals up to 4 mm.
0690 R	LCA4	26	0.5		9	116	Au -.1	Type: Chip; Bdrk; Area h.g. A med. grn. volcanic andesite tuff. Breccia slightly chloritized & epidotized with some sm. grains & X-tals of specularite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0691 R	LCA4	3	0.3		7	86	Au -.1	Type: Grab; Float; Area h.g. A frac andesite with some epidotezation, some Fe & Mn staining.
0692 R	LCA4	34	0.6		15	96	Au -.1	Type: Chip; Bdrk; Area h.g. A grn-gry andesite tuff porphyry with trace amts. of very fine pyrite. On fracture surfaces some chloritization, epidote, Fe & Mn staining & a small amt. of hematite.
0693 R	LCA4	43	0.7		8	96	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gry-grn andesite tuff with some chloritization & epidote on fracture surfaces.
0694 R	LCA4	13	0.7		13	90	Au -.1	Type: Chip; Bdrk; Area h.g. A med gry-grn porphyritic andesite (tuff ?), some Fe & Mn staining. Chlorite & Epidote present.
0695 R	LCA4	89	0.6		9	86	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gry-grn fine grained porphyritic andesite (tuff ?) with some Fe & Mn staining & hematite on weathered & fractured surfaces.
0696 R	LCA4	9	0.7		8	86	Au -.1	Type: Chip; Bdrk; Area h.g. A med. gry-grn tuff with some chloritization and a little Fe & Mn staining on fractured surfaces.
0697 R	LCA4	9	0.2		9	62	Au -.1	Type: Chip; Bdrk; Area h.g. A med. grain porphyritic andesite with small 1 - 2 mm phenocrysts of orthoclase, some chloritization.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0698 R	LCA4	31	0.7		7	78	Au -.1	Type: Chip; Bdrk; Area h.g. A fng med. gry-grn andesite with very fine grains of disseminated pyrite, moderate chloritization.
0703 R	LCB4	9	0.1		23	129	Au -.1	Type: Chip; Rubcrop. Rubcrop - buff to lt. gry porphyritic rhyotite, slight to moderate Fe stain, mafics altered to limonite and chlorite, strongly leached, highly fractured (.12/ft)
0704 R	LCB4	8	0.1		31	50	Au -.1	Type: Chip; Bdrk; Area h.g. Porphyritic quartz latite (?) welded tuff breccia, highly Fe stained (hematitic), moderately leached, some chloritic alteration, lithic fragments up to 2 cm. K-spar and plagioclase phenos up to 1 mm. Sample taken from hematite Fe-stained area in large Fe stained area.
0705 R	LCB4	4	0.1		10	52	Au -.1	Type: Chip; Bdrk; Area h.g. Porphyritic rhyolite (?) tuff, pink K-spar phenos to 1 mm; strong Fe stain, some hematitic; slightly leached, glauconite (?) in some fractures, highly fractured (8/ft). Sample from Fe stained area several hundred feet wide.
0706 R	LCB4	3	0.1		4	28	Au -.1	Type: Chip; Bdrk; Area h.g. Quartz latite (?) porphyry tuff, Fe stained, hematite along some fractures and as liesegang banding, highly fractured (6/ft). Float--same as above plus other acid to intermediate tuff & tuff breccias, some with lithophysae up to 0.5 cm.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0707 S	LCB4	18	0.4		18	69	As 10	Float--acid to intermediate tuffs and tuff breccias, some with lithophysae to 1 cm dia., many rocks with chloritic alteration, 2% of rocks strongly Fe-stained some with hematite on fractures.
0708 D	LCB4	24	0.5		24	88	As 5	Float--60% lt. gry-grn latite tuff breccia, chloritic with lithic fragments up to 8 cm; 40% dk. greenish gray dacite tuff & tuff breccia, few small (av. less than 1 cm.) lithic fragments, contain disseminated pyrite.
0709 S	LCB4	15	0.3		29	130	As -5	Bedrock--dk. greenish-gray dacite porphyry tuff, few lithic fragments, chloritized. Float--dacite to andesite (?) tuff and tuff breccia, some fragments up to 10 cm; most rocks chloritized, some epidote on fractures, also calcite; 5% of rocks hematite-stained, some pieces of brownish red jasper.
0710 R	LCB4	6	0.5		14	82	Au -.1	Type: Grab; Float; Sample h.g. Float--dacite to andesite porphyry tuff & tuff breccia, some welded. Most rocks chloritized, some epidote and calcite on fractures. 10% of rocks heavily hematite-stained (sample), blebs of calcite in sample also.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0711 D	LCB4	33	0.5		26	93	As 30	Bedrock--Gray-green dacite tuff breccia, chloritized, lithic fragments to 5 cm, Float--Lt. to dk. gray-green latite to dacite tuff breccia, some welded, chloritized, fragments to 5 cm, light Fe stain on 30% of rocks.
0712 D	LCB4	26	0.5		41	146	As 20	Float--Dk. gray dacite welded tuff breccia, slightly chloritized, Fe stained, lithic fragments to 3 cm.
0713 R	LCB4	61	0.9		33	72	Au -.1	Type: Grab; Float; Area h.g.; sample h.g. Float--Dk. gray dacite welded tuff breccia, chloritized, lithic fragments to 12 cm, 5% of float highly Fe stained. Some silicified, some float w/lithophysae to 1 cm. Sample of highly Fe stained rocks only (representative) from large talus fan below Fe stain area.
0714 S	LCB4	46	0.9		44	260	As 70	Bedrock--Gray-Green dacite welded tuff breccia, chloritized. Float--dacite to andesite tuff & tuff breccia, most chloritized, 10% moderately Fe stained, some hematite Fe stain, some welded tuff with lithophysae to 1 cm dia.
0715 R	LCB4	41	0.2		10	106	Au -.1	Type: Grab; Float; Sample h.g. Float--dacite tuff breccia, andesite tuff, chloritic. 50% of rocks strongly Fe stained on fractures. Representative sample of Fe stained rock only.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0716 R	LCB3	3	0.3		39	107	Au -.1	Type: Chip; Bdrk; Rubcrop. Gray-green dacite tuff breccia, chloritized, some epidote, lithic fragments to 8 cm, light to moderate Fe stain on fractures and some voids.
0717 R	LCB3	13	0.2		25	68	Au -.1	Type: Chip; Rubcrop; Area h.g. Rubcrop--Lt. gray porphyritic quartz latite (?) dike, K-spar phenos 0.5 mm, scattered small hornblende needles, slightly chloritized, Fe stained and Mn stained, highly fractured (5/ft). Eastern one third of sample traverse less Fe stained, less fracturing. 50 ft. wide dike in chloritized dacite tuff breccia.
0718 R	LCB3	4	0.1		31	67	Au -.1	Type: Chip; Rubcrop Area h.g. Greenish gray dacite porphyry tuff and tuff breccia, chloritized and epidotized, columnar jointing in some areas. Sample of quartz latite (?) dike, slightly porphyritic, feldspar phenos 0.5 mm, slight Fe & Mn stain on fractures. Dike strike N 80° W, dip 60° S.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0719 R	LCB3	320	0.1		43	71	Au -.1	Type: Chip; Rubcrop; Area h.g. Lt. gray porphyritic quartz latite (?), moderate to strong Fe stain, mafics altered to limonite, highly fractured (6/ft). Several black shale lenses to the east. Sample from 50 ft. Fe stained zone along ridge.
0720 R	LCB3	140	0.6		21	118	Au -.1	Type: Chip; Bdrk. Basalt, Fe stained on fractures. Cuts dactie tuff breccia form prominent rock mass on top of mountain.
0721 R	LCB3	4	0.1		12	46	Au -.1	Type: Grab; Float; Area h.g. Float--60% porphyritic quartz latite, strongly Fe stained, leached, dissem. limonite; 40% basalt, Fe stained, higher percentage of basalt upslope. Sample (representative) of quartz latite only.
0722 R	LCB3	16	0.6		10	115	Au -.1	Type: Chip; Bdrk; Rubcrop; Area h.g. Gray slightly porphyritic dacite, strongly epidotized, feldspars partly to completely altered to epidote, dissem. pyrrhotite, fractured (4/ft). Sample from zone about 30 ft. wide along ridge.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0723 R	LCB3	5	0.3		16	38	Au -.1	Type: Chip; Bdrk; Area h.g. Dacite tuff breccia, very strong Fe stain, highly fractured (6/ft) lithic fragments to 2 cm. Patches of Fe stain occur on both sides of ridge for at least 2,000 feet.
0724 R	LCB3	6	0.1		13	31	Au -.1	Type: Chip; Bdrk; Area h.g. Gray dacite tuff breccia, chloritized, some epidote; sample from strongly Fe stained leached area, fractured (4/ft).
0725 R	LCB3	7	0.3		14	71	Au -.1	Type: Chip; Bdrk; Area h.g. Gray porphyritic dacite tuff, chloritized and epidotized, feldspars completely altered to epidote, very strong Fe stain, dissem. pyrite, grains to 0.5 mm. Sample from highly Fe stained area.
0727 R	LCA3	10	0.8		45	134	Au -.1	Type: Chip; Bdrk; Rubcrop; Area h.g. Fine to medium grained granodiorite area sampled strongly Fe stained; mafics altered, Fe stained, and magnetic; some dissem. pyrrhotite. Fe stained area 15 ft. wide on top of ridge. Scattered small Fe stained spots in area.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0728 R	LCA3	15	0.6		81	104	Au -.1	Type: Chip; Bdrk; Rubcrop; Area h.g. Med. grained granodiorite, chloritized, chlorite & epidote on fractures, scattered small Fe stained areas, area sampled approx 20 x 20 ft. Strongly Fe stained granodiorite, fine to medium grained, dissem. pyrite and pyrrhotite.
0729 D	LCA3	12	0.3		37	135	As - 5	Float--Medium grained hornblende quartz diorite, chlorite and epidote on fractures, slight Fe stain on some rocks less than 1% with strong Fe stain. Scattered small xenoliths of porphyritic fine grained dark rock.
0730 R	LCA3	5	0.3		24	42	Au -.1	Type: Chip; Bdrk; Area h.g. Medium grained hornblende quartz diorite, chloritized, much chlorite and epidote on fractures, "flow lines" of darker rock. Several areas of strongly Fe stained rock, moderate argillic alteration in spots. Sample from Fe stained area 20 x 30 ft.
0731 R	LCA3	22	1.2		240	290	Au -.1	Type: Grab; Rubcrop; area h.g. Medium grained hornblende quartz diorite, chloritized, much chlorite and epidote on fractures, "flow lines" of darker material, a few small xenoliths of porphyritic fine grained dark rock. Sample from area (150 x 20 ft) highly Fe & Mn stained, some argillic alteration.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0732 R	LCA3	14	0.2		13	71	Au -.1	Type: Chip; Bdrk; Area h.g. Greenish gray dacite tuff breccia, chloritic, lithic fragments to 10 cm, strongly Fe stained with dissem. pyrite over large area (500 x 1,000 ft or larger) Float--same as above plus 5% hornblende quartz diorite, chloritized, some andesite porphyry.
0733 R	LCA3	7	0.1		10	11	Au -.1	Type: Chip; Rubcrop; Area h.g. Dacite tuff breccia, strongly leached and Fe stained dissem. limonite after pyrite (?) highly fractured (4/ft) sample from large Fe stained area (min 500 x 1,000 ft.).
0734 R	LCA3	3	0.1		6	27	Au -.1	Type: Chip; Bdrk; Area h.g. Lt. gray porphyritic dacite (?) tuff, tuff breccia in part, highly leached, strongly Fe stained, dissem. limonite after pyrite (?). Sample from large Fe stained area 500 x 1,000 ft. min.
0735 R	LCA3	67	0.4		9	102	Au -.1	Type: Chip; Bdrk. Dark gray to black metasiltstone and slate, Fe stained, cut by narrow (2 cm) acidic (?) dikes. Float--metasediments, andesite, dacite tuff breccia.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0736 R	LCA3	23	0.4		9	89	Au -.1	Type: Chip; Bdrk; Area h.g. Andesite (?) breccia cut by large porphyritic dacite dike. Dike has lithic fragments of andesite and metasediments up to 20 cm or larger. Sample of Fe stained andesite breccia at contact with dike, contains dissem. cubes of pyrite (0.5 mm), chloritized.
0737 R	LCA3	76	0.6		8	88	Au -.1	Type: Chip; Bdrk; Area h.g. Dark gray metasiltstone (?), Fe stained; bedrock cut by a few quartz veins, some up to 30 cm across. Float--same as above plus porphyritic andesite (?) less than 1%.
0738 R	LCA3	20	-.1		1	1	Au -.1	Type: Grab; Bdrk; Area h.g. Dark gray metasiltstone, Fe stained, cut by large milky quartz lens 10 x 70 ft. Sample of Fe stained area in quartz lens.
0739 S	LCA3	260	0.7		38	210	Au -.1 As 55	Dark gray to black metasiltstone, Fe stained. Float--Fe stained meta sediments (mainly siltstone and greywacke). Minor amts. of dacite and andesite (porphyritic).
0740 R	LCA3	240	0.7		46	150	Au -.1 As 15	Greenish gray metasiltstone (bedded tuff?), Fe & Mn stain, cut in places by quartz veins to 5 cm wide. Float--metasediments (siltstone & greywacke), minor dacite and andesite tuff and tuff breccia.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0741 R	LCA3	94	0.6		11	100	Au -.1	Type: Chip; Bdrk. Dk. gry bedded andesite tuff (metagreywacke ?), strongly Fe stained, fng dissem. pyrrhotite. Float--same as above plus metasediments, porphyritic dacite.
0742 S	LCA3	90	0.6		52	120	Au -.2 As -10	Gray to black metasiltstone and greywacke, Fe stained, dissem. pyrrhotite in some areas. Float--same as above plus some porphyritic dacite and milky vein quartz.
0743 R	LCA3	120	1.0		18	450	Au -.1	Type: Grab; Float. Float--moderately propylitized diorite and andesite; metasiltstone with dissem. pyrrhotite in some rocks; minor porphyritic dacite representative sample of fine talus.
0744 R	LCA3	41	0.4		6	77	Au -.1	Type: Chip; Rubcrop; Area h.g. Fng hornblende diorite contains small amt. magnetite. Sample from very strongly Fe stained area; rock leached, strongly argillized in part, some silicified with up to 5% coarse dissem. pyrite and trace chalcopyrite (?). Highly frac. (6/ft).
0745 R	LCA3	12	0.2		11	33	Au -.1	Type: Chip; Rubcrop. Rubcrop--Dk. gray to black andesite, very strong Fe stain, leached and argillized in part, dissem. pyrite, some magnetite, and few small crystals of ? (reddish brn); highly fractured (6/ft).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0746 R	LCA3	41	0.4		11	49	Au -.1	Type: Chip; Bdrk; Rubcrop. Dk. gray to black andesite, very strong Fe stain, some hematitic; leached and argillized (moderate to strong) small amount of chlorite, up to 5% medium grained (0.5mm) dissem. pyrite. Highly fractured (6/ft).
0747 R	LCA3	2	0.1		3	2	Au -.1 W -25 Sn -25	Type: Chip; Rubcrop; Area h.g. Rubcrop--Lt. gray andesite (?) strong Fe stain, leached, vuggy, silicified (?), contains fine grained dissem. pyrite, scattered grains and euhedral crystals of dk. gray mineral, highly frac. (5/ft).
0748 R	LCA3	35	0.4		13	50	Au -.1	Type: Chip; Bdrk. Gray porphyritic dacite, very strong Fe stain, slightly argillized in places, contains up to 5% fine grained dissem. pyrite, trace of chalcopyrite (?), fractured (9/ft).
0749 R	LCA3	26	0.4		10	70	Au -.1	Type: Chip; Bdrk. Dk. gray andesite porphyry, feldspar phenos 1 - 2 mm, slightly epidotized; contains less than 1% fine grained pyrrhotite; moderate to strong Fe stain.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0750 R	LCA3	30	0.8		10	64	Au -.1	Type: Chip; Rubcrop; Area h.g. Rubcrop--dacite breccia (?); fragments average 1 cm dia., slight Fe stain, strongly argillized. Sample from highly fractured (12/ft) Zone about 100 ft. wide along ridge Some quartz-feldspar vein material.
0751 R	LCB5	12	0.1		10	76	Au -.1	Type: Chip; Bdrk. Chips of coarse grained granodiorite, weak Fe stain, traces dissem. pyrite. No alteration blocky fracture.
0752 R	LCB5	13	0.3		24	120	Au -.1	Type: Chip; Bdrk; Area h.g.; Sample h.g. Coarse grained granodiorite chip across 6" iron stained strongly weathered moderately argillic altered vein (?) weak limonite - after pyrite (?). Rock on either side is barren & unaltered.
0753 R	LCB5	13	0.2		14	56	Au -.1	Type: Grab; Rubcrop; Area h.g. Grab of central 7' of a 12' zone of weak to moderate qtz-sericite altered granodiorite. Weak limonite less than 1%. Strongly leached.
0754 R	LCB5	8	0.2		33	148	Au -.1	Type: Grab; Rubcrop. 8' grab of saddle of granodiorite porphyry. Weak limonite stain. Weak manganese oxide, weak argillic alteration. No sulfides.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0755 R	LCB5	12	0.1		13	54	Au -.1	Type: Grab; Float. Medium to coarse grained, weak argillic altered granodiorite. Minor dacite porphyry float. pervasive brownish fan Fe stain of granodiorite.
0756 R	LCB5	18	0.4		15	52	Au -.1	Type: Chip; Bdrk. Dacite porphyry (trap porphyry) dark gray matrix, phenocrysts of plag. up to ¼" barren unaltered. Same as at Pass Prospect.
0757 R	LCB5	34	0.3		17	106	Au -.1	Type: Grab; Rubcrop; Float. Dacite porphyry weakly iron stained on wth surface. No sulfides or limonite. 4' grab of rubcrop in saddle.
0758 R	LCB5	7	0.2		30	40	Au -.1	Type: Grab; Float. Talus of rhyolite. Weak Fe stain. Weak quartz stringers and traces dissem. limonite. One piece of quartz vein float ½" wide with 5% pyrite, included in sample.
0759 R	LCB5	5	0.1		30	120	Au -.1	Type: Chip; Bdrk. Strong argillic altered felsite (rhyolite ?) porphyry. Very strong liesegang rings. Feldspars up to ¼" have gone to weakly chloritized and strongly Fe stained.
0760 R	LCB5	10	0.1		13	64	Au -.1	Type: Chip; Bdrk. Moderate to strong argillic quartz-feldspar aplite. Varies to a quartz feldspar prophyry. Iron stain on most fractures, traces dissem. limonite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0761 R	LCB5	4	0.1		18	115	Au -.1	Type: Chip; Bdrk. Vuggy aplite with rare quartz phenocrysts. Vugs may be feldspar relics. Weak iron stain. May be a rhyolite.
0762 R	LCB5	43	0.2		16	84	Au -.1	Type: Chip; Bdrk. Rhyolite or aplite porphyry weak iron stain. 10' chip background
0777 R	LCA3	18	0.7	14	45	71	Au -.1	Type: Chip; Rubcrop; Area h.g. 10' chip of rubcrop boulders from a 150' iron stained zone. Granite, coarse grained, weak chlorite alteration, trace limonite possibly after chalcoppyrite.
0778 R	LCA3	110	0.6		20	31	Au -.1	Type: Chip; Bdrk. Greenstone. Dark gray-green siliceous fine grained probable volcanic rock. Moderate epidote. Other float in area includes mostly granite but also dacite porphyry and dacite tuff breccia.
0779 R	LCA3	160	0.8		8	46	Au -.1	Type: Chip; Float. Chips of boulders across 10' of talus of greenstone. Also some tuffaceous (?) sediments & granite. Moderate quartz epidote in the greenstone. No sulfides.
0780 R	LCA3	15	0.2		10	70	Au -.1	Type: Chip; Float. Float--chips of ten talus boulders. Two siltstones, two quartz monzonites and six dacite porphyries. None have sulfides.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0781 R	LCA3	180	0.9		7	270	Au -.1	Type: Chip; Float. Chips of 10 boulders. Quartz monzonite 20%, dacite porphyry 40%, greenstone 10%, 30% propylitic altered quartz monzonite breccia with greenstone fragments. strong quartz epidote veins with rare traces of malachite-chalco.
0782 R	LCA3	10,000	22.0		16	250	Au -.1	Type: Grab; Area h.g.; sample h.g. No bedrock description. Float--one piece of siliceous, quartz-epidote altered vein probably cut intrusive, quartz monzonite near contact with greenstone. Less than 1/2% chalcopryrite traces malachite.
0783 R	LCA3	29	0.6	2	3	8	Au -.1	Type: Grab; Rubcrop; Float. Moderate quartz sericite altered felsite? Moderate to strong iron stain, 1 - 2% dissem. pyrite. Moderate fracturing. 100' random grab sample. Entire Fe stain may be 300' to 400' wide.
0784 R	LCA3	14	0.2	5	5	20	Au -.1	Type: Grab; Float. Grab of Fe stained float. 50% weakly propylitized granodiorite with 2 - 3% disseminated pyrite. The ground was probably mineralized by a contact effect with the felsite dike (?).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0785 R	LCA3	170	1.0	1	10	50	Au -.1	Type: Chip; Float; Area h.g. Float--80% siliceous, pyritized argillite, 3 - 5% pyrite, strong to intense iron stain. 20% dacitic to rhyolite volcanics with traces pyrite with pyrrhotite. Float comes directly from cliff strongest above stained boulders.
0786 R	LCA3	87	0.6	1	10	88	Au -.1	Type: No bedrock description. Float--99% moderate to strong iron stained argillite. 3% - 5% pyrite and fractured veins. Random grab - many tons of this.
0787 R	LCA3	83	0.6	1	8	80	Au -.1	Type: Chip; Bdrk. Greenstone, metavolcanics or metasediments ?, moderate chlorite alteration, weak quartz epidote veinlets. Traces pyrr.
0788 R	LCA3	140	0.6		8	66	Au -.1	Type: Grab; Float. No bedrock descrip. Float--from glacial alveolar outwash. 80% argillite with less than 1% pyrite and po., 10% mdg granodiorite, 10% dacites and andesites, 10' representative grab.
0789 R	LCA3	41	0.4		7	43	Au -.1	Type: Chip; Bdrk. Medium grained, unaltered, barren, hornblende granodiorite, weak epidote on some fractures.
0790 R	LCA3	8	0.1		5	53	Au -.1	Type: Grab; Float. Float--barren unaltered fine to medium grained granite, weak epidote on some fractures.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0791 R	LCA3	51	0.6		9	240	Au -.1	Type: Chip; Rubcrop. Epidotized greenstone, hard to tell if sed. or vol., no sulfides, prominent green from epidote.
0792 R	LCA3	910	4.3		26	67	Au -.1	Type: Chip; Bdrk. Intensely epidotized greenstone? Intruded and brecciated by strong propylitic altered granodiorite traces chalcopryrite and malachite in most strongly altered portions of greenstone. This sample is not higraded as the rock shows no iron stain or malachite
0793 R	LCA3	670	0.8		7	100	Au -.1	Type: Chip; Bdrk. Hornfels meta-sediments strong chlorite, strong Fe stain, 1% pyrite. 25' chip of metasediments at contact with horn-blende diorite. This is the extent of ironstone, not much epidote.
0794 D	LCA3	160	0.6		18	68	Au -.1 As 5	Greenish, chloritic epidote altered metasediments (?) cut by numerous granitic dikes up to 10' wide, brecciated in places. No sulfides.
0795 R	LCA3	57	0.3		5	45	Au -.1	Type: Chip; Bdrk. Unaltered barren diabase (?) or fine grained mafic diorite. It is cut by dacite porphyry and granitic dikes. Also barren.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0796 R	LCA3	77	0.6		26	87	Au -.1	Type: Chip; Bdrk. Fine grained, dark, mafic dike, siliceous and iron stained, 1 - 3% dissem. pyrite, no chalcopyrite, cuts fine grained granodiorite which is unaltered but has traces to 5% dissem. pyrite.
0797 R	LCA3	17	0.3		8	10	Au -.1	Type: Chip; Bdrk; Area h.g. Intense quartz-sericite altered granodiorite (?) 1 - 3% dissem. pyrite. Say one trace azurite. Intense brown Fe stain. Large tonnage. Higrade of most iron stained, but most of area is similar.
0798 R	LCA3	200	1.0		21	28	Au -.1	Type: Grab; Rubcrop; Area h.g. 25' wide zone of ferricrete, and/or limonite-quartz breccia. Some fragments up to 6" rare unleached quartz-pyrite fragments. In contact with fine grained granodiorite and basalt porphyry.
0799 R	LCA3	82	0.9		18	33	Au -.1	Type: Chip; Rubcrop; Area h.g. Another sample across ferricrete zone is 25' wide, 200' + long and a result of leaching of almost pure magnetite. Numerous boulders of magnetite where zone disappears under snow bank.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0800 R	LCA3	17	0.7		12	87	Au -.1 Fe 60,000	Type: Grab; Float. No bedrock descrip. Float--black basalt porphyry, with very strong magnetite, may be source of ferricrete. Many cubic yards.
0961 R	LCA3	13	0.3		10	60	Au -.1	Type: Grab; Rubcrop; Float; Area h.g. Moderate argillic altered quartz latite with moderate limonite, traces pyrite Fe stained area is approximately 25' wide.
0962 R	LCA3	31	0.3		10	136	Au -.1	Type: Grab; Rubcrop; Sample h.g. Fe stained, strong quartz sericite altered fine grained granodiorite with 2 - 3% dissem. pyrite. Area is irregular, perhaps 200' along ridge. Two or three 20' wide saddles have most mineralization.
0963 R	LCA3	120	0.3	1	5	30	Au -.1	Type: Chip; Float. 10' representative grab of talus, 75% epidotized greenstone, 25% granite, less than 5% diorite.
0964 R	LCA3	170	0.5	1	8	43	Au -.1	Type: Grab; Float. Medium grained granodiorite weak chloritic alt. Float--50% granodiorite, 40% greenstone, 10% diorite & rhyolite.
0965 R	LCA3	6,000	18.0	70	125	540	Au -.1	Type: Grab; Float; Area h.g.; sample h.g. No bedrock description. Sample of one 6" boulder of float. Quartz-chlorite veins cutting diorite, strong brown Fe stain, 1% chalcoppyrite, less than 1/2% of pyrite. Two other boulders in float had malachite & chalcoppyrite. Both were cutting a diorite, mdg, weak to moderate chlorite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
0966 D	LCA3	320	0.7	8	39	101	As 15	No bedrock descrip. Float--50% diorite, 10% granite, 10% rhyolite dike material, 30% greenstone, 10% iron stained diorite.
0967 R	LCA3	45	0.3	1	7	52	Au -.1	Dacite porphyry could be a granodiorite porphyry. Strong chlorite epidote. Trace pyrite. Background value.
1001 R	LCA3	9	0.4	2	10	120	Au -.1	Type: Grab; Bdrk. Tuff is green aphanite groundmass with 10% cherty shards.
1002 R	LCA3	190	0.7	2	9	32	Au -.1	Type: Grab; Bdrk. Diorite - hornblende 60%, quartz 15%, feldspar 25%.
1003 R	LCA3	110	0.3	3	7	28	Au -.1	Type: Grab; Bdrk. Grandiorite; Quartz 35%, feldspar 45%, Biotite 20%.
1004 R	LCA3	770	1.4	4	18	106	Au -.1	Type: Grab; Bdrk. Basalt 96%, Quartz stringers 3.5%, Pyrite .5%.
1005 R	LCA3	210	1.5	2350	14	95	Au -.1	Type: Grab; Bdrk. Basalt 80%, Quartz 18%, molybdenum 1%, pyrite 1%.
1006 R	LCA3	210	1.1	3900	11	22	Au -.1	Type: Grab; Bdrk; Sample h.g. Fracture filling - Quartz 94%, molybdenum 4%, Pyrite 2%.
1007 R	LCA3	79	1.4		11	90	Fe 51,000	Type: Grab; Bdrk. Dacite porphyry, aphanitic groundmass 90%, Feldspar phenocrysts 10%.
1008 R	LCA3	140	1.1		14	90	Fe 51,000	Type: Grab; Bdrk. Altered Limestone.
1009 R	LCA3	50	2.0		14	75	Fe 650,000	Type: Grab; Bdrk. Specular hematite with limonite stain.
1010 R	LCA3	2,600	2.6		12	106		Type: Grab; Bdrk. Specular hematite 90%, Quartz 5%, limonite 5%.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1011 R	LCA3	21,000	45.0		54	1250		Type: Grab; Bdrk. Altered limestone 60%, Quartz 20%, Chalcopryrite 10%, Malachite 3%, Limonite 7%.
1012 R	LCA3	44,000	14.0		21	1460		Type: Grab; Bdrk. Altered limestone 80%, Quartz 10%, Chalcopryrite 5%, Limonite 3%, Malachite 2%.
1013 R	LCA3	120	1.2		20	112		Type: Grab; Bdrk. Calcareous siltstone with limonite stain.
1014 R	LCA3	170	1.1		9	36		Type: Grab; Bdrk. Greenstone 90%, Pyrite 5%, Limonite 5% (magnetite).
1015 R	LCA3	120	0.6		15	96		Type: Grab; Bdrk. Dacite, (magnetite).
1016 R	LCA3	25	0.4		10	11		Granite 80%, Dacite 5%, Limonite 10%, Pyrite 5%, Magnetite.
1344 R	KEB8	20	0.4		74	154	Au -.1	Type: Grab; Rubcrop; Area h.g. A light green, fine grained arkosic tuff.
1345 R	KEB8	67	0.3		16	320	Au -.1	Type: Grab; Rubcrop; Area h.g. A light green, fine grained tuff, some Fe staining.
1346 R	KEB8	46	0.4		12	64	Au -.1 BaSO ₄ 0.051%	Type: Grab; Rubcrop; Area h.g. A light green, fine grained tuff with small amount limonite, & some Fe staining.
1347 R	KEB8	14	0.5		21	124	Au -.1	Type: Chip; Bdrk; Area h.g. A medium green tuff - fine grained with very fine grains of pyrite & Chalcopryrite (?)
1348 R	KEB8	19	0.4		13	126	Au -.1	Type: Chip; Bdrk; Area h.g. A fine grained medium green tuff with very fine disseminated pyrite - some Chalcopryrite (?)

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1349 R	KEB8	49	0.5		55	176	Au -.1	Type: Grab; Rubcrop; Area h.g. A medium green, fine grained andesitic tuff. A light brown tuff as float.
1350 R	KEB8	86	0.9		1040	220	Au -.1	Type: Grab; Rubcrop; Area h.g. A black fine - medium grained basalt.
1351 R	KEB8	80	0.7		13	73	Au -.1	Type: Grab; Rubcrop; Area h.g. A black fine - medium grained basalt.
1352 R	KEB8	85	0.8		8	97	Au -.1	Type: Grab; Rubcrop; Area h.g. A black fine - medium grained basalt.
1501 R	LCA3	30	1.0	40	17	33	Au -.1	Type: Chip; Rubcrop. Calc. Silicate with Qtz. finger veining and development of high percentage limonite. Zone approx. 5 ft. wide and 30 ft. long. Located in Qtz-dolerite as roof pendants? With interfolded quartz calcite veins.
1502 R	LCA3	320	0.5	1	6	52	Au -.1	Type: Chip; Rubcrop. Fine grained amphibole - chlorite basic volcanic (partly Qtz - Dolerite) with fine grained chalcopyrite.
1503 R	LCA3	190	0.4	1	7	39	Au -.1	Type: Chip; Bdrk. Fine grained amphibole - epidote rock with epidote veining - (Basic Volc) minor pyrite/ chalcopyrite disseminated in rock.
1504 R	LCA3	330	0.7	1	11	92	Au -.1	Type: Chip; Rubcrop. Mn stained fine grained amphibole - epidote, basic volc.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1505 R	LCA3	520	0.6	1	8	37	Au -.1	Type: Chip; Rubcrop. Fe oxide altered amphibole - epidote, basic volc.
1506 R	LCB2	4	0.3	4	54	90	Au -.1	Type: Chip; Float; Sample h.g. 1/2" hematite/Fe oxide vein as float in glacial form - from color anomaly noted on rock ridge. Local soil consists of minor Fe oxide coatings on granite partings, therefore this sample: high grade
1507 R	LCB2	3	0.4	2	43	110	Au -.1	Type: Chip; Rubcrop; Float. Calc. silicate/Carbonate/Qtz veining of granodiorite. Minor Fe oxide contact. Soil from 15 ft. wide zone of minor veining cutting good at steep 75° angle.
1508 R	LCB2	52	1.5	10	122	490	Au -.1	Type: Chip; Rubcrop. Calc. Silicate/Carbonate vein with minor Fe oxide cutting granodiorite at high 70° angle. Zone irregular and poor over 30 ft.
1509 R	LCB2	6	0.1	3	10	64	Au -.1	Type: Chip; Rubcrop. 30 - 40 ft. wide Fe oxide stained zone dipping 65° south. Cuts granodiorite in an area of extensive K-fels/chlorite content (5% of rock by vol.) (Zone brecciated).
1510 R	LCB2	36	0.7	2	27	350	Au -.1	Type: Chip; Rubcrop. Calc. silicate/carbonate veining with Fe oxide developed in brecciated altered granodiorite. From zone of poor alteration 150 ft. wide (N.B.=Highest Grade visible).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1511 R	LCB2	17	0.1	1	6	28	Au -.1	Type: Chip; Bdrk. K-fels-plagioclase-quartz-amphibole with minor magnetite - granodiorite intrusive. Contains 5% basic xenolith.
1512 S	LCB2	10	0.1	1	5	20		Glacial outwash in Moraine. Float--95% granodiorite, 4% Basic volc., 3/4% felspar porphyry, 1/4% fe oxide stained Gd. minor pyrite chalcopyrite.
1513 S	LCB2	13	0.1	1	6	21		Glacial outwash from moraine/ice sheet. Float--95% granodiorite, 4% Basic volc., 3/4% felspar porphyry, 1/4% fe oxide stained Gd. minor pyrite chalcopyrite.
1514 R	LCB2	290	0.5	3	20	61	Au -.1	Type: Chip; Float. 1/4% Float in outwash from glacier chloritic granodiorite with 1% disseminated chalcopyrite and minor pyrite. Some (1%) Fe oxide on partings. No outcrop seen in extensive search of exposed possible source area.
1515 S	LCB2	29	0.6	1	14	96		Glacial outwash on glacier. 99% granodiorite, 1% basic volcanic (possibly xenoliths from granodiorite.
1578 R	ILD1	7	0.4	1	190	182	Au -.1	Type: Chip; Bdrk. Minor Fe oxide in pink monzonitic intrusive.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1579 R	ILD1	4	-.1	1	2	14	Au -.1	Type: Chip; Bdrk. Pink monzonitic intrusive with minor Fe oxide stain.
1580 R	ILD1	2	-.1	1	1	18	Au -.1	Type: Chip; Bdrk. Fe oxide stained medium grained monzonitic intrusive.
1581 R	ILD1	4	0.2	1	2	30	Au -.1	Type: Chip; Bdrk. Fe oxide stained monzonite intrusive.
1582 R	ILD1	3	-.1	1	2	5	Au -.1	Type: Chip; Bdrk. Pink - Fe oxide stained monzonite intrusive.
1583 R	ILD1	50	0.4	1	4	48	Au -.1	Type: Chip; Bdrk. Feldspar - amphibole gneiss - gabbro - norite.
1588 R	ILD1	17	0.3	1	4	32	Au -.1	Type: Chip; Bdrk. Near ice cave in glacier, large outcrop ? of Fe oxide stained siliceous dacitic tuff with 10% disseminated pyrrhotite. "Outcrop" 50 ft. x 20 ft. wide. Possible very large glacial erratic.
1589 R	ILD1	90	0.4	1	4	68	Au -.1	Type: Chip; Bdrk. Fe oxide veined/stained siliceous fine grained dacite dike (3 ft.) in Lst.
1590 R	ILD1	82	0.2	2	3	2	Au -.1	Type: Chip; Bdrk. Fe oxide veined/stained siliceous fine grained dacite dike (4 ft.) in Lst.
1591 R	ILD1	3	0.1	1	3	72	Au -.1	Type: Chip; Bdrk. Coarse grained quartz monzonite with minor Fe oxide staining.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1592 R	ILD1	3	0.1	1	1	54	Au -.1	Type: Chip; Bdrk. Quartz-monzonite with v. minor Fe oxide staining on partings.
1601 R	LCA3	4	0.2		5	2	Au -.1	Type: Chip; Bdrk; Rubcrop. Gray porphyritic dacite, slight chlorite and epidote alteration, strong Fe stain, fine grained disseminated pyrrhotite and pyrite to 3%. Highly fractured (3/ft).
1602 R	LCA3	42	0.3		6	15	Au -.1	Type: Chip; Bdrk; Area h.g. Light gray andesite (?) porphyry, feldspar phenocrysts to 3 mm; strong Fe stain, leached; up to 2% disseminated pyrite, fine grained.
1603 R	LCA3	41	0.4		6	34	Au -.1	Type: Chip; Bdrk. Dark gray to black andesite porphyry, feldspar phenocrysts 2 - 3 mm, strong Fe stain on fractures, contains less than 1% fine grained disseminated magnetite. Slightly leached along fractures, slightly chloritized.
1604 S	LCA3	360	1.4		22	58	As - 5	Black andesite porphyry, feldspar phenos 2 - 3 mm, slight chlorite and epidote alteration, leached near fractures. Contains small blebs of magnetite, strong Fe stain on fractures. Float--same as above plus some rocks with fine grained dissem. pyrite in addition to magnetite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1605 R	LCA3	170	0.7		9	160	Au -.1	Type: Chip; Bdrk. Fine grained granodiorite, leached, dull brown earthy Fe stain, contains fine grained disseminated pyrite, small amount chalcopyrite, highly fractured (6/ft.). Sample near contact with andesite volcanics.
1606 R	LCA3	43	0.7		14	114	Au -.1	Type: Chip; Bdrk. Dark gray porphyritic andesite, strong Fe stain on fractures, up to 3% dissem. pyrrhotite (fine grained) sample near contact with granodiorite.
1607 R	LCA3	45	0.4		10	45	Au -.1	Type: Chip; Bdrk. Medium grained granodiorite, leached and highly Fe stained less than 1% disseminated pyrite. Sample taken near contact with andesite tuffs and porphyry. Fairly large mass of ferro crete on canyon wall.
1608 R	LCA3	33	0.4		8	48	Au -.1	Type: Grab; Float. Andesite tuffs and porphyries at contact with granodiorite. Representative sample of talus. All rocks strongly Fe stained; andesite. Porphyry with disseminated pyrite and magnetite, some bleached silicified rock with fine grained disseminated pyrite, small amount of ferro crete.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1609 R	LCA3	2300	1.3		6	25	Au -.1	Type: Grab; Bdrk; Area h.g. Dark gray porphyritic andesite, epidote alteration of feldspars, light green copper stain on fractures, contains fine grained disseminated pyrrhotite with small amount of chalcopyrite. Sample from copper stained area on cliff by water-fall (10 ft. x 6 ft.) Float--acid to intermediate intrusives acid to basic volcanics.
1802 R	LCB4	15	0.2		15	122	Au -.1	Type: Chip; Bdrk. Dacite (?) Fine grained, slightly bleached and iron stained, mostly siliceous.
1803 R	LCB4	13	0.2		31	56	Au -.1	Type: Chip; Bdrk. Dacite (?) Bleached with Fe staining along fractured surfaces, minor chlorite (?) noted in spotty occurrences.
1804 R	LCB4	10	0.3		34	47	Au -.1	Type: Chip; Bdrk. Gray-white fine grained siliceous and slightly sericitized rock (dacite ?) strong Fe staining and few small specks pyrite noted (less than 1%) near (above) small fault-breccia zone.
1805 R	LCB4	12	0.4		25	116	Au -.1	Type: Chip; Bdrk. Gray to bleached fine grained siliceous, slightly sericitized. Fe stained darker rocks almost cherty small amounts pyrite or pyrrhotite noted (less than 1%) around small breccia zone (round globules ?)

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1806 R	LCB4	240	1.2		18	136	Au -.1	Type: Chip; Bdrk. Medium grained, gray, quartz diorite, Fe stained along fractured surfaces.
1807 R	LCB4	210	0.6		9	88	Au -.1	Type: Chip; Bdrk. Quartz diorite med. grained to aphanitic. Fe stained along fractured surfaces.
1808 R	LCB4	110	0.9		24	112	Au -.1	Type: Chip; Bdrk. Quartz diorite fine to medium grained with Fe staining along fractured surfaces. Small specks pyrite (less than 1%) noted in darker gray and fine grained variety. Near (around) shear zone with jarosite along fractures.
1876 R	ILD1	17	0.4		10	56	Au -.1	Type: Chip; Float. Float--from limonite coated greenish-grayish silicic tuffs, some disseminated pyrite noted (approx. less than 1/2%).
1877 R	ILD1	7	0.4		12	50	Au -.1	Type: Chip; Float. From limonite stained greenish to grayish tuff and tuff breccia (andesite ?)
1878 R	ILD1	17	0.4		7	58	Au -.1	Type: Chip; Float. Float--from andesite-rhyodacite tuffs and tuff breccias, very slight Fe oxide staining.
1879 R	ILD1	16	0.5		11	54	Au -.1	Type: Chip; Float. Float--from fine grained andesite-rhyodacite tuff and tuff breccia - limonite stained in part.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1885 R	ILD1	15	0.1		34	43	Au -.1	Type: Chip; Bdrk. Whitish to gray andesite - dacite tuff with occurrences specks pyrite. Bleached and limonite-jarosite stained.
1886 R	ILD1	36	0.1		91	70	Au -.1	Type: Grab; Float. Float--from float specimen of light gray andesite - dacite tuff with small quartz (?) crystals in vugs, possible magnetite, and pyrite (?)
1887 R	ILD1	98	0.3		400	270	Au -.1	Type: Chip; Float. Float--from float below outcrop of limonite stained andesite - dacite tuff and tuff breccia with occurrence specks pyrite.
1922 R	KEB8	50	0.5		132	36	Au -.1 BaSO ₄ 0.085%	Type: Grab; Float; Sample h.g. Dark greenish-gray andesite welded tuff breccia, chloritic, bedded (strike N 50° E, dip 40° SE); epidote alteration, some along fractures, slight Fe stain. Float--same as above plus 1% coarse grained rhyolite, 5% of float strongly Fe stained (sample) with fine grained disseminated pyrite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1923 R	KEB8	34	0.6		19	100	Au -.1 BaSO ₄ 0.085%	Type: Grab; Float; Sample h.g. Greenish-gray andesite porphyry tuff (?), chloritic, epidote and chlorite alteration of feldspars, epidote on fractures. Float--same as above, 10% with strong Fe stain and fine grained disseminated pyrite (sample).
1924 R	KEB8	20	0.5		24	66	Au -.1	Type: Grab; Float; Sample h.g. Float--andesite porphyry tuff (?), chloritic, epidote and chlorite alteration; less than 1% rhyolite, (porphyritic); 20% of rocks moderately to strongly Fe stained. Sample of andesite porphyry strongly Fe stained with disseminated limonite after pyrite, argillically altered.
1925 S	KEB8	28	0.3		28	77		Float--Andesite porphyry tuff (?), chloritic, epidote and chlorite alteration; less than 1% porphyritic rhyolite; 20% of rocks moderately to strongly Fe stained.
1926 S	KEB8	21	0.3		7	50	BaSO ₄ 0.085%	Greenish-gray dacite welded tuff, chloritic, Float--same as above, 1% of rocks moderately Fe stained with fine grained disseminated pyrite.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1927 S	KEB8	39	0.5		27	82	As - 5	Float--light greenish-gray latite tuff, pumice fragments chloritized; & rhyolite porphyry; 1% of rocks lightly Fe stained.
1928 R	KEB8	23	0.3		870	136	Au -.1 BaSO ₄ 0.12%	Type: Grab; float. Float--60% pinkish-brown rhyolite porphyry, pink K-spar phenocrysts up to 5 mm; 40% latite welded tuff, pumice fragments chloritized. Representative sample of float.
1929 S	KEB8	36	0.3		10	69	As - 5	Float--40% dark greenish-gray andesite tuff breccia, 20% strongly Fe stained with fine grained disseminated pyrite, trace of chalcopyrite (?); 30% greenish-gray latite welded tuff, chloritic, 30% pinkish brown rhyolite porphyry with pink K-spar phenos up to 5 mm.
1930 R	KEB8	56	0.6		23	93	Au -.1	Type: Grab; Float; Sample h.g. Float--dark greenish-gray andesite tuff breccia, chloritic, epidotized, 70% very strongly Fe stained with dissem. pyrite grains up to 1 mm; some rocks strongly leached. Small amount vein quartz, sample of Fe stained float only.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
1931 R	KEB8	27	0.5		23	77	Au -.1	Type: Grab; Float. Float--dark greenish gray andesite tuff and tuff breccia, chloritic, some epidote; 95% very strongly Fe stained with pyrite as disseminated grains and aggregates, some rocks strongly leached and argillized.
1932 R	KEB8	25	0.5		60	48	Au -.1	Type: Chip; Bdrk; Area h.g. Andesite tuff breccia, very strongly Fe stained, with pyrite as dissem grains and aggregates; rock strongly leached in many places leaving a fine boxwork, some argillic alteration Fe stained area 1,500 feet along side and top of ridge.
1933 R	KEB8	39	0.7		24	128	Au -.1	Type: Chip; Rubcrop. Rubcrop--andesite tuff, chloritic, very strongly Fe stained with medium grained (1 mm) disseminated pyrite, slightly leached.
2028 R	KEB7	29	0.7		30	167	Au -.1	Type: Chip; Bdrk. Andesite or dacite porphyry mixed with dacite tuff breccia, barren. Background value.
2029 R	KEB7	8	0.8		86	91	Au -.1	Type: Chip; Bdrk; Area h.g.; Sample h.g. Dacite porphyry and dacite - andesite breccia. Sample of limonite-epidote veins. Traces pyrite. Veins are rare and less than 1/4". No rhyolite in area.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2030 R	KEB7	28	0.6		108	84	Au -.1	Type: Chip; Float (represents background) No bedrock description. Grab of talus. Float--60% dacitic tuff breccia angular to rounded clasts up to 4", greenish matrix 40% dacite and andesite porphyry. Weak epidote on tuffs.
2031 R	KEB7	20	0.7		17	36	Au -.1	Type: Chip; Rubcrop; Area h.g.; Sample h.g. Fault brecciated andesite porphyry. Intense limonite after pyrite. Fresh surface may have 20% pyrite. Similar outcrop maybe several hundred feet.
2032 R	KEB7	9	0.7		12	14	Au -.1	Type: Chip; Bdrk; Area h.g. Fault brecciated dacite porphyry or dacitic tuff. Strong limonite, 20% pyrite in places. 400 feet west of #2031 same rock. Fault is plane for numerous
2033 R	KEB7	10	0.6		12	49	Au -.1	Type: Grab; Float. 100 feet grab of iron stained float, 1,000 feet west of #2032. Strongly pyritized dacite porphyry. 3 - 15% pyrite, weak block chlorite alteration. 90% of talus is similar dark brown to nearly black

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2034 R	KEB7	12	0.7		13	78	Au -.1	Type: Grab; Float; Area h.g. No bedrock description. 50 feet grab of iron stained talus comes from 1,000 x 1,000 stained area on cliffs above. Andesite dikes cut the area of 5 - 20% pyrite in dacite tuff or porphyry. Strongly altered weak to moderate black
2040 R	KEC7	4	0.2		11	10	Au -.1	Type: Chip; Bdrk. Quartz-eye rhyolite porphyry, f. disseminated anhedral, 1% pyrite, moderate to strong iron stain. Sample from 1,000 square plus Fe oxide area.
2041 R	KEC7	11	0.8		11	21	Au -.1	Type: Chip; Bdrk. Rhyolite, strong local silicification and argillic alteration with 1 - 2% pyrite and very strong brown iron stain. Possible bedding N-S 30° E. Strongly leached. 1,000 plus feet from #2040.
2042 R	KEB7	11	0.3		9	52	Au -.1	Type: Chip; Bdrk. Locally strong quartz-sericite altered dacite porphyry with 1% pyrite and strong limonite and brown Fe oxide. Many tons of like rock.
2053 R	KEB8	11	0.3		11	31	Au -.1	Type: Chip; Rubcrop. No bedrock description. Float or rubcrop--chloritic and siliceous altered dacite with 1% pyrite. Moderate iron stain.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2543 R	KEB7	150	0.5		8	25	Au -.1	Type: Chip; Bdrk. Rhyodacite with 1% pyrite dissemination and chloritic altered porphyry minerals possibly intrusive. Large Fe stain but unexciting rocks. Most other rocks in area are andesite volcanic.
2772 R	KEB8	10	0.2	1	29	27	Au -.1	Type: Chip; Bdrk. Siliceous chert - Av. 1% Fe oxide box work. Irregular Av. intrusive 80 ft. thick, strike extent 200 feet plus?
2773 R	KEB8	33	0.9	179	27	84	Au -.1	Type: Chip; Bdrk. Siliceous rhyodacite tuff - or intrusive breccia? Plus 3% pyrite and sphalerite fine grained? (Doubtful if ore size due to patchy irregular mineralization)
2774 R	KEB8	31	0.9	1	25	39	Au -.1	Type: Chip; Bdrk. Siliceous chert Av. dike with 2% pyrite, 1/4% sphalerite? Five foot width.
2775 R	KEB8	12	1.1	7	22	28	Au -.1	Type: Chip; Bdrk. Two foot gossan vein. Felsite dike and 20% partly leveled Fe oxide. Minor pyrite present.
2776 R	KEB8	8	0.7	8	17	42	Au -.1	Type: Chip; Bdrk. Two foot gossan vein. Felsite dike and 20% partly leveled Fe oxide. Minor pyrite present. Sample from vein 10 feet above #2775.

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
2777 R	KEB8	15	0.6	12	34	49	Au -.1	Type: Chip; Bdrk. Felsite dike four feet width with 20% Fe oxide box work and 5% pyrite.
2778 R	KEB8	290	1.0	2	64	98	Au -.1	Type: Chip; Rubcrop; Float. Scree slope debris from large 400 foot thick Fe oxide zone Si rhyodacitic tuff/flow with Fe oxide veining and minor box work, 3% pyrite, 1% pyrrhotite.
2779 R	KEB8	32	0.5	1	26	80	Au -.1	Type: Chip; Rubcrop; Float. Scree slope debris from large 400 foot thick Fe oxide zone Si rhyodacitic tuff/flow with Fe oxide veining and minor box work, less pyrite/pyrrhotite.
2914 R	KEB8	13	0.6		19	55	Au -.1	Type: Grab; Bdrk. Bleached pyritized tuff.
2915 R	KEB8	4	0.6		13	84		Type: Grab; Bdrk. Tuff with pyrite.
2916 R	KEB8	33	0.5		12	38		Type: Grab; Bdrk. Tuff with pyrite.
2917 R	KEB8	10	0.4		11	65		Type: Grab; Bdrk. Tuff with pyrite.
2918 R	KEB8	10	0.2		14	46		Type: Grab; Rubcrop. Tuff with pyrite.
2919 R	KEB8	33	0.6		17	110		Type: Grab; Bdrk. Tuff with pyrite.
2920 R	KEB8	4	0.1		4	40		Type: Grab; Bdrk. Tuff with pyrite.
4454 R	KEB7	10	0.4	-1	12	100	Au -.1	Type: Chip; Rubcrop; Float. K-felspar monzonite with 5% pyrite.
4457 R	KEB7	53	0.7	-1	19	73	Au -.1	Type: Chip; Rubcrop; Float. Dacite porphyry plus 1/2% pyrite, felspar (epidote).

PROJECT - COOK INLET D

Smpl #	Area and coordinates	Cu	Ag	Mo	Pb	Zn	Other	Remarks
4460 R	KEB7	54	18.0	1	44	44	Au -.1	Type: Chip; Bdrk. Limonite pink siliceous fine grained fels plus chlorite 1 cm blebs rock (rhyodacite) plus 1/2% pyrite plus 5% Fe oxide box work. (Zone 5-10 feet thick).
4461 R	KEB7	22	0.8	1	34	186	Au -.1 BaSO ₄ 0.17%	Type: Chip; Float. Andesitic-dacitic volcanic porphyry with 4% disseminated pyrite with 10% Fe oxide coatings/veinlets.
4483 R	KEB7	10	0.7	-1	14	78	Au -.1 BaSO ₄ 0.05%	Type: Chip. K-fels rhyodacite with 5% pyrite with 10% Fe oxide coatings.
4497 R	KEB8	13	0.6	-1	12	78	Au -.1 BaSO ₄ 0.085%	Type: Chip; Bdrk. As #4496.
4498 R	KEB8	20	0.7	2	21	15	Au -.1 BaSO ₄ 0.085%	Type: Chip; Bdrk. Black Shale and 2% pyrite Fe oxide coatings Δ 5-10%.
4499 R	KEB8	26	1.1	1	20	157	Au -.1 BaSO ₄ 0.17%	Type: Chip; Bdrk. Black Shale and 2% pyrite Fe oxide coatings Δ 5-10%.