

Qal	Alluvium deposits	Quaternary
Tf	Felsic plutonic rocks, dominantly tonalite	Tertiary (?)
Kd	Diorite sill, extensively altered	Cretaceous (?)
Ks	Sitka graywacke, sandstone siltstone, mudstone, turbidites, and graywacke	Cretaceous
Kkb	Kelp Bay Group Metasediments and metavolcanics including schist, phyllite, greenstone, marble, chert, graywacke, metatuff and argillite	Cretaceous
Kuf	Felsic plutonic rocks, dominantly granodiorite	Cretaceous and Jurassic
KJm	Mafic plutonic rocks, dominantly quartz diorite and diorite	Cretaceous and Jurassic and diorite
Rw	Whitestripe Marble	Triassic (?)
Rg	Goon Dip Greenstone	Triassic (?)
MzPzu	Metamorphic, metavolcanic & metasedimentary rocks	Mesozoic and Paleozoic

----- Contact, dashed where approximate or inferred, dotted where concealed

----- Above geology modified from Johnson and Karl, 1981

----- Fault, dashed where approximate or inferred, dotted where concealed. Based on this study and previous studies by Decker 1980, Loney 1975 and Reed 1941. Only selected faults shown.

○ Boundary of the West Coast gold area (its northern portion is termed the Pinta Bay area and its southern portion the Cobol area, the Doolith Mountain area is located near its center). Area estimated to have moderate potential for the development of fault controlled gold-silver resources.

○ Boundary of Doolith Mountain area (the center of mining activity within the West Coast gold area). Area estimated to have high potential for the development of fault controlled gold-silver resources.

○ Boundary of Slocum Arm molybdenum area. Area estimated to have moderate potential for the development of porphyry or vein type molybdenum resources.

- ✕ or ✕ Mine
- ▲ Prospect with evident mineralized material and related structure
- △ Prospect or mineral occurrence with less evident mineralization and/or structure
- Stream sediment sample with significant metal values
- ✕ Float sample with significant metal values
- 28 Numbers refer to accompanying tables



WEST COAST GOLD AREA Moderate mineral potential					
Pinta Bay area (Northern portion West Coast gold area)					
Map # & Symbol	Mine prospect or occurrence (examined by this study unless otherwise noted) commodity gold silver (unless otherwise noted)	Location shown	Plate (p)lor fig. No.	Assay table	Discussed text or occurrence table No.(T)
1	Cox Brothers Prospect		Pl. 7	A-33	p. 65-67
2	New Chichagof Mining Syndicate Prospect		Pl. 7	Fig. 42	p. 71
3	Golden Hand Prospect		Pl. 7	Fig. 39-41	p. 61-64
4	Golden Hand Apex Mine		Pl. 7	A-32	p. 61-64
5	West side Pinta Bay occurrence				T-8
6	East side Pinta Bay occurrence				T-8
7	Whitestripe Ag,Pb,Zn,Au Prospect		Pl. 9	A-36	p. 68-69
8	Congress Prospect - Cu, Zn		Fig. B-8	B-8	p. 72, T-8
9	Senate Copper Prospect (not found)				T-8
10	Triplet Island Prospect-Zn, Ag, Pb, Mo, Au				p. 72, T-8
11	Dirdrickson Bay occurrence				T-8
12	Northwest peak Mt. Lydonia occurrence				T-8
13	North Herbert Groves Is. occurrence				T-8
14	Mt. Lydonia landslide occurrence				p. 72, T-8
15	Northwest side Black Bay occurrence				T-8
16	North side Black Bay occurrence				T-8
17	Mouth of Black Bay occurrence				T-8

DOOLITH MOUNTAIN AREA High mineral potential						
Map # & Symbol	Mine prospect or occurrence (examined by this study unless otherwise noted) commodity gold silver (unless otherwise noted)	Location shown	Plate (p)lor fig. No.	Assay table	Discussed text or occurrence table No.(T)	
18	McKallick Lode Prospect		Pl. 3	Fig. 27	A-22	p. 46
19	Harlovich Prospect		Pl. 3		T-7	
20	Hirst-Chichagof Mine		Pl. 3	Pl. 6 Fig. 14-15 Fig. 21-22	A-11 A-17-18	p. 28-38
21	Occurrences within the Hirst-Chichagof Claim Group					
	Elkton Prospect		Pl. 3	Fig. 16	A-12	T-6
	Sunday Queen Prospect		Pl. 3	Fig. 17	A-13	T-6
	Key Prospect		Pl. 3	Fig. 18	A-14	T-6
	Tillison Prospect		Pl. 3	Fig. 19	A-15	T-6, p. 34-35
	Janet Prospect		Pl. 3	Fig. 20	A-16	T-6
	Surprise Prospect		Pl. 3	Fig. 20	A-16	T-6, p. 32-34
	Rarus Isis Prospect (not examined)		Pl. 3			
22	Hodson Prospect		Pl. 3	Fig. 37	A-31	p. 58-60
23	Fitz Island occurrence		Pl. 3			T-7
24	Chichagoff Prosperity Prospect		Pl. 3	Fig. 29-30	A-24-25	p. 48-50
25	Gloria B Prospect		Pl. 3			T-7
26	BasoInuar Prospect		Pl. 3			T-7
27	Bauer Prospect		Pl. 3	Fig. 34-36	A-29-30	p. 56-57
28	Helen Chichagoff Prospect		Pl. 3			T-7
29	Chichagoff Mine		Pl. 3	Pl. 3-5 Fig. 2-6 Fig. 12-13	A-1-4 A-9-10	p. 13-27 T-3

COBOL AREA (southern portion West Coast gold area)						
Map # & Symbol	Mine, prospect or occurrence (examined by this study unless otherwise noted) commodity gold silver (unless otherwise noted)	Location shown	Plate (p)lor fig. No.	Assay table	Discussed text or occurrence table No.(T)	
50	South of Mt. Freeburn occurrence		Pl. 3	Fig. 6	A-4	T-3
51	Aksala Prospect		Pl. 3	Fig. 8	A-6	T-3
52	Anderson Prospect		Pl. 3	Fig. 9	A-7	T-4, p. 20, 25
53	Flat Top Mtn. Prospect sea level occurrence		Pl. 3	Fig. 10	A-8	T-4, p. 20, 25
54	Flat Top Mtn. Prospect upper workings		Pl. 3	Fig. 11	A-8	T-4, p. 20, 25
55	2235 Foot Peak occurrence		Pl. 3	Fig. 7	A-5	T-4, p. 20, 25
56	West side Sister Lake occurrence		Pl. 3	Fig. 33	A-28	p. 54-56
57	Small Island east of Shale Island occurrence		Pl. 3	Fig. 32	A-27	p. 55
58	Rough Channel Island occurrence		Pl. 3	Fig. 23		p. 39-41
59	North-east end of Fords Arm (Leather Neck Claims) occurrence		Pl. 3			p. 39-41
60	Northwest of Elf Dove occurrence		Pl. 3	Fig. 24-25	A-19-20	p. 41-44
61	Chichagof Star Prospect		Pl. 3	Fig. 25	A-20	p. 41-44
62	South East end of Sisters Lake		Pl. 3			p. 41-44
63	Deuce Island occurrence		Pl. 3	Fig. B-1	B-1	T-7, p. 60
64	Island southeast of Deuce Island occurrence		Pl. 3			T-7
65	Elaborado Placer Prospect		Pl. 3	Fig. B-2	B-2	T-7
66	Falcon Arm Prospect		Pl. 3	Fig. B-3	B-3	T-7
67	North of Cobol Occurrence		Pl. 3	Fig. B-5	B-5	T-7
68	Cobol Mine		Pl. 10-11	A-37-39		p. 73-77
69	North side Island Cove occurrence		Pl. 3	Fig. 31	A-26	p. 51-53
70	Slocum Arm Molybdenum Prospect Lower portion (Mt. Rinehart Moly Lode Claim)		Pl. 12	Fig. 50-51	A-44	p. 81-84
71	Slocum Arm Molybdenum Prospect upper portion		Pl. 12		A-44	p. 81-84

OTHER OCCURRENCES					
Map # & Symbol	Mine, prospect or occurrence (examined by this study unless otherwise noted) commodity gold silver (unless otherwise noted)	Location shown	Plate (p)lor fig. No.	Assay table	Discussed text or occurrence table No.(T)
72	Orange Gulch occurrence, Au, Ag, Zn, Mo		Fig. 52-53	A-45-46	p. 84-85
73	North of Orange Gulch occurrence, Ag, Mo, Zn				p. 85

Plate 2. — West portion of Western Chichagof Island delineating areas of mineral potential and showing faults, geology, mines, prospects and mineral occurrences. (Base from U.S. Geol. Survey I:63,360 Sitka B6, C6, C7 and D7.)