

^{1/5} - One or more semiquantitative spectrographic analyses made
⁷ - One or more thin sections examined
^X - One or more X-ray diffraction traces examined

^{2/} Small - 1 square meter to 1/2 square kilometer
Medium - 1/2 square kilometer to 5 square kilometers
Large - 5 square kilometers or larger

^{3/} Includes talc, actinolite and chlorite

GROUP I		Location		Data	Approx. size	Rock name	Mineralogy		Serpentinization (%)	Other significant alteration	Textural features	Adjacent country rock	Structural data	Remarks
Map No.	Field No.	Quad.	Lat (N) Long (W)				Primary	Secondary						
1	70AF42	D-5	64°59'10" 143°18'10"	S, X	Small	Serpentine	Serpentine (lizardite + clinochrysochite), minor chlorite, magnetite; trace of brucite	100			Quartz-biotite gneiss and granitic rocks		May be part of no. 2	
7	71AF9 71AF10	D-4	64°56'25" 142°06'12"		Small	Serpentine	Serpentine	100		Fine-grained	Quartz-mica schist			
8	71AF22	D-4	68°58'10" 142°05'25"		Small	Serpentine?	Serpentine?	100?			Quartzite, quartz-mica schist	Dike		
9	71AF20	D-4	64°59'15" 142°42'05"	X, T	Small	Serpentine	Serpentine (lizardite + clinochrysochite) 95%; brucite, 1%	100			Till, basalt(?) and gabbro			
10	71AF209	D-4	64°59'10" 142°50'30"	S	Small	Serpentine	Serpentine	100		Massive, fine-grained	Gabbro(?), basalt(?), and chert		Could be continuation of Mt. Sorenson ultramafic, no. 3	
11	68AC181	D-3	64°59'45" 142°29'10"	S, T, X	Small	Serpentine	Serpentine (lizardite + clinochrysochite) 92%; brucite, 2%; magnetite, 1%	100	Formation of silica-carbonate rock zone up to 40 ft wide	Massive texture of fine-grained fibrous aggregates and bastite. Most serpentine is replacing orthopyroxene, some replacing olivine. Late veinlets of clinochrysochite	Chert(?)			
12	68AC183 68AC184 68AC185 68AC24 68AC393 71AF1158 68AC391	D-3	64°59'25" 142°29'30"	S, T, X	Medium	Serpentine	Serpentine (lizardite + clinochrysochite)	100	Associated light-colored, fine-grained rodingite	Formation of silica-carbonate rock zone up to 40 ft wide	Massive fine-grained serpentine. Large grains of serpentinized orthopyroxene, 5%; original rock was harzburgite	Phyllite	South of Seventymile fault. Altered diabase may be tectonic inclusion. Silica-carbonate veinlets cut both the diabase and serpentine	Only ultramafic mass with which gold, silver, and arsenic have been found. Few 1.5 mm seams of cross fiber
13	71AF1153	D-3	64°58'47" 142°22'45"		Small	Serpentine	Serpentine 98%; magnetite 1%; chlorite <1%	100		Fine-grained	Quartz-mica schist		May be continuation of Flume Creek ultramafic mass, no. 12	
14	68AF280	D-3	64°57'45" 142°24'40"	X	Small	Serpentine	Antigorite 98%; dolomite 1%; magnetite 1%	100			Greenstone, quartzite, quartz-graphite schist			
15	68AF3007 68AF3008	D-3	64°58'32" 142°19'56" 64°58'30" 142°19'58"	S	Small	Serpentine	Serpentine; numerous carbonate veins	100(?)			Quartz biotite schist; quartz vein zone	Strongly cleaved	Silver detected	
16	68AC177	D-3	64°58'10" 142°21'20"	S	Small	Serpentine	Serpentine	100(?)			Phyllite		Rubble only	
17	68AF3015	D-3	64°57'20" 142°17'15"		Small	Serpentine	Serpentine	100		Fine-grained massive serpentine with about 5% large serpentinized orthopyroxene phenocrysts indicating original rock may have been harzburgite; gross slip fiber	Silicified greenstone			
19	68AC307	D-3	64°56'50" 142°10'30"	X	Small	Serpentine	Serpentine (lizardite + clinochrysochite)	100			Black quartzite and argillite			
20	72AF433	D-3	64°56'30" 142°08'50"	T, X	Small	Serpentine	Serpentine (lizardite + clinochrysochite) 92%; magnetite 7%; brucite 1%	100		Mesh texture of serpentine totally replacing olivine; good bastite. Small clinochrysochite veinlets cut rock. Original rock was harzburgite.	Argillite and granitic rock			
21	68AF416 68AC319	D-3	64°55'02" 142°04'25"	S	Small	Serpentine	Serpentine	100		Massive serpentine	Quartzite and quartz-graphite schist; silicic igneous rock	Foliated; dike?		
22	68AF335	D-2	64°51'20" 141°57'00"	S	Small	Serpentine?	Serpentine?	100			Quartzite and hornfels	Dike or sill	Silver detected	
23	68AC424	D-3	64°48'43" 142°06'40"	S, X	Small	Serpentine	Serpentine (lizardite + clinochrysochite), major; talc, minor; chlorite, trace	100			Marble and quartzite		Color banding; silver detected	
24	68AF434	D-2	64°47'40" 141°40'35"		Small	Serpentine	Serpentine	100(?)		Small amount of poorly developed fibrous serpentine in massive serpentine	Marble and quartzite			
25	66AF395	C-1	64°44'47" 141°25'20"		Small	Serpentine	Serpentine	100(?)			Greenstone			
27	66AF800 66AF801	C-1	64°39'50" 141°17'20"	X	Small	Serpentine	Serpentine (antigorite) 98%; trace of actinolite and chlorite	100		Fine-grained, massive with local short fibers	Greenschist and marble	Local fault zone		
28	66AF796	C-1	64°39'58" 141°16'58"	X	Small	Serpentine	Serpentine (antigorite) 98%; dolomite 1%; actinolite 1%	100		Fine-grained; massive	Greenstone	Fault zone, probably minor		
29	70AF122	C-1	64°39'55" 141°13'15"	S, X	Small	Serpentine	Serpentine (antigorite) 98%; magnetite 2%	100		Some hard fibrous serpentine	Quartz-mica schist			
30	70AF82	C-1	64°40'20" 141°07'01"	T, X	Small	Serpentine	Serpentine (antigorite) 90%; clinochrysochite 1%; actinolite 7%; magnetite 1%; calcite 1%	100		Serpentine has fine mesh texture and bastite; original rock was harzburgite. Late cross-cutting veinlets of clinochrysochite	Greenstone, quartz-mica schist, and greenschist			
31	70AF79	C-1	64°40'10" 141°07'20"	X	Small	Serpentine	Serpentine (antigorite); minor actinolite, dolomite and talc	100		Coarse and fine actinolite in massive, well-crystallized antigorite	Quartz-mica schist			
32	70AF66	C-1	64°40'14" 141°06'50"	S	Small	Serpentine	Serpentine, major; actinolite, minor	100(?)		Coarse actinolite in massive fine-grained serpentine	Quartz-mica schist and quartzite			
33	70AF31	C-1	64°36'50" 141°05'59"	S	Small	Serpentine	Serpentine	100(?)		Massive, fine-grained	Quartz-mica schist, quartzite		Similar to 37	
34	66AF262	C-1	64°36'15" 141°04'01"		Small	Serpentine	Serpentine	100		Fine-grained, massive	Quartz-mica schist, quartzite			
35	66AF279	C-1	64°35'45" 141°01'40"		Small	Serpentine	Serpentine	100		Fine-grained, massive	Granitic rock	Silicified locally. May be part of no. 34		
36	66AF1397	C-1	64°35'01" 141°10'17"		Small	Serpentine	Serpentine	100(?)		Fine-grained; some talcy rocks	Greenschist and quartz-graphite schist		Green stains on rocks	
37	70AF16	C-1	64°36'20" 141°14'30"	S, T, X	Small	Serpentine	Serpentine (antigorite) 97%; magnetite 2%; magnetite 1%	100		Fine-grained, massive serpentine. Some stiff, fibrous serpentine	Quartz-mica schist	Foliated		
38	66AF823	C-1	64°35'45" 141°19'45"		Small	Serpentine	Serpentine	100(?)			Quartz-graphite schist			
39	70AF2281	C-1	64°35'20" 141°19'08"		Small	Serpentine	Serpentine	100(?)		Fine-grained, massive	Quartz-graphite schist			
40	70AF2280	C-1	64°35'30" 141°18'50"		Small	Serpentine	Serpentine	100(?)		Fine-grained, massive	Quartz-graphite schist			
41	70AF2273	C-1	64°36'30" 141°18'29"	S, X	Small	Serpentine	Antigorite; minor talc, quartz, dolomite	100	White carbonate in lenses; silicification of much of outcrop	Fine-grained	Quartz-graphite schist		Bright green stain. Quartz veinlets 6 mm thick in silica-rich areas	
42	66AF1123 66AF1124	C-1	64°34'20" 141°20'58"	X	Small	Serpentine	Antigorite 100%	100			Greenstone and quartz-graphite schist			
43	66AF816	C-1	64°34'30" 141°18'40"		Small	Serpentine	Serpentine, minor actinolite	100(?)		Massive serpentine	Quartz-graphite schist			
44	66AF756	C-1	64°35'45" 141°15'59"		Small	Serpentine	Serpentine	100(?)			Quartz-mica schist and quartzite			
45	66AF755	C-1	64°33'30" 141°16'00"		Small	Serpentine	Serpentine	100(?)			Quartz-mica schist			
46	66AF1110	C-1	64°33'00" 141°18'36"	X	Small	Serpentine	Antigorite 98%; dolomite 2%	100		Fine-grained massive; evidence of large serpentinized orthopyroxene grains. Some stiff fibrous serpentine	Greenstone			
47	66AF1104	C-1	64°32'15" 141°19'38"	X	Small	Serpentine	Antigorite 95%; dolomite 2%; magnetite <1%; talc <1%; chlorite <1%	100		Fine-grained, massive	Quartz-graphite schist			
48	66AF327	C-1	64°31'20" 141°28'02"		Small	Serpentine	Serpentine 98%; actinolite 2%	100		Massive serpentine, fine-grained. Local cross-fiber in 7 mm wide veinlets; radiating actinolite crystals	Quartzite, quartz-mica schist			
49	68AF2166	C-2	64°36'45" 141°34'25"	S, X	Small	Partially steatitized serpentine	Major magnetite; minor dolomite, quartz, talc; trace serpentine and chlorite		Serpentine altered to talc + magnetite		Greenstone and green-schist			
50	71AF283	C-2	64°38'02" 141°32'28"	S	Small	Serpentine(?)	Serpentine	100(?)		Minor 3 mm thick veinlets of cross-fiber	Quartzite and quartz-mica schist			
51	69AF442	C-3	64°41'50" 142°03'15"	S	Small	Serpentine	Serpentine; minor talc and actinolite	100			Quartz-mica schist and quartzite			
55	68AF2430	C-4	64°33'50" 142°30'30"	X	Small	Serpentine	Serpentine (antigorite); later veins of chrysochite	100(?)		Highly serpentinized harzburgite with abundant good cross-fiber. 7 mm to 15 mm bands of asbestos			Asbestos occurrence of possible commercial significance (see Foster, U. S. Geol. Survey Cir. 611, 1967)	
56	71AF447 68AF202 68AC109	B-2	64°29'02" 141°43'15"	T	Medium	Serpentine and partially steatitized serpentine	Talc 96%; serpentine 2%; opaques 1%; magnetite 1%	100(?)	Serpentine altered to talc + magnetite	Fine-grained, massive; some microfolds in talc	Greenstone			
58	63AP375 66AF81	B-1	64°28'42" 141°19'25"	T, X	Small	Partially steatitized serpentine	Antigorite 95-95%; talc 1-40%; actinolite 1-10%; magnetite 2%; chlorite 1-2%	100	Serpentine has partially altered to talc	Mostly fine-grained, massive; serpentine has random fibrous texture; some deformed bastite. Local cross-fiber veinlets approximately 1 mm wide	Quartz-graphite schist and greenstone			
59	66AF73 66AF74	B-1	64°26'15" 141°20'30"	X	Small	Serpentine	Antigorite	100			Greenstone		Relation to greenstone uncertain	
60	70AF2332	B-1	64°26'20" 141°22'40"	S, T, X	Small	Serpentine	Antigorite 60-95%; actinolite 5-30%; magnetite 1-5%	100		Massive fine-grained serpentine with large radiating actinolite crystals	Greenstone			
61	66AF69	B-1	64°26'30" 141°27'59"		Small	Serpentine	Serpentine	100(?)			Quartz-mica schist			
62	66AF67 71AF479	B-1	64°26'15" 141°28'59"	S	Small	Serpentine	Serpentine	100(?)	Associated quartz-carbonate rock		Quartz-mica schist			
63	66AF64 68AF2074	B-1	64°25'18" 141°28'58"		Small	Serpentine	Serpentine	100(?)		Fine-grained, massive serpentine	Greenschist, greenstone			
64	70AF2259	B-1	64°24'43" 141°29'59"	S, X	Small	Serpentine	Antigorite 100%	100		Fine-grained, massive; some stiff chrysochite or actinolite fiber around outcrop	Quartz-graphite schist and quartzite			
68	66AF712 67AF47	B-1	64°22'10" 141°24'45"	S, T, X	Small	Partially steatitized serpentine	Talc 30-90%; antigorite 1-50%; actinolite <5%; dolomite <5%; magnetite 5-35%; chlorite <5%; magnetite 1%	100(?)	Serpentine altered to talc + magnetite	Fine-grained serpentine and talc, massive; cross-cutting veinlets of magnetite and dolomite up to 25 mm wide	Garnetiferous quartz-biotite schist		Some brecciation	
72	66AF1156	A-1	64°07'15" 141°01'40"	X	Small	Serpentine	Antigorite 98%; talc 1%; magnetite 1%	100		Fine-grained, massive; opaques concentrated along small fractures	Garnetiferous hornblende-biotite gneiss		Large blocks of rubble	
96	70AF4023	A-5	64°14'40" 143°15'20"	S, T	Small	Serpentine	Serpentine 97%; magnetite 2%; magnetite 1%	100		Massive, fine-grained fibrous serpentine. Magnetite and magnetite form crude segregations	Quartz-mica schist			