

Table 1.-Rapid-rock chemical analyses, *CFIP* norms and modes of plutonic and metamorphic rocks from parts of the Ketchikan and Bradfield Canal 1:250,000 quadrangles, southeastern Alaska

[Except for three samples, the first two characters of a sample number represent the year a sample was collected and the collector. Years and collectors are given in Table 2. Samples are numbered in order of collection. The first two characters of a sample number are the year and collector. The third character is the number of samples collected by the collector. The fourth character is the number of samples collected by the collector. The fifth character is the number of samples collected by the collector. The sixth character is the number of samples collected by the collector. The seventh character is the number of samples collected by the collector. The eighth character is the number of samples collected by the collector. The ninth character is the number of samples collected by the collector. The tenth character is the number of samples collected by the collector. The eleventh character is the number of samples collected by the collector. The twelfth character is the number of samples collected by the collector. The thirteenth character is the number of samples collected by the collector. The fourteenth character is the number of samples collected by the collector. The fifteenth character is the number of samples collected by the collector. The sixteenth character is the number of samples collected by the collector. The seventeenth character is the number of samples collected by the collector. The eighteenth character is the number of samples collected by the collector. The nineteenth character is the number of samples collected by the collector. The twentieth character is the number of samples collected by the collector. The twenty-first character is the number of samples collected by the collector. The twenty-second character is the number of samples collected by the collector. The twenty-third character is the number of samples collected by the collector. The twenty-fourth character is the number of samples collected by the collector. The twenty-fifth character is the number of samples collected by the collector. The twenty-sixth character is the number of samples collected by the collector. The twenty-seventh character is the number of samples collected by the collector. The twenty-eighth character is the number of samples collected by the collector. The twenty-ninth character is the number of samples collected by the collector. The thirtieth character is the number of samples collected by the collector. The thirty-first character is the number of samples collected by the collector. The thirty-second character is the number of samples collected by the collector. The thirty-third character is the number of samples collected by the collector. The thirty-fourth character is the number of samples collected by the collector. The thirty-fifth character is the number of samples collected by the collector. The thirty-sixth character is the number of samples collected by the collector. The thirty-seventh character is the number of samples collected by the collector. The thirty-eighth character is the number of samples collected by the collector. The thirty-ninth character is the number of samples collected by the collector. The fortieth character is the number of samples collected by the collector. The forty-first character is the number of samples collected by the collector. The forty-second character is the number of samples collected by the collector. The forty-third character is the number of samples collected by the collector. The forty-fourth character is the number of samples collected by the collector. The forty-fifth character is the number of samples collected by the collector. The forty-sixth character is the number of samples collected by the collector. The forty-seventh character is the number of samples collected by the collector. The forty-eighth character is the number of samples collected by the collector. The forty-ninth character is the number of samples collected by the collector. The fiftieth character is the number of samples collected by the collector. The fifty-first character is the number of samples collected by the collector. The fifty-second character is the number of samples collected by the collector. The fifty-third character is the number of samples collected by the collector. The fifty-fourth character is the number of samples collected by the collector. The fifty-fifth character is the number of samples collected by the collector. The fifty-sixth character is the number of samples collected by the collector. The fifty-seventh character is the number of samples collected by the collector. The fifty-eighth character is the number of samples collected by the collector. The fifty-ninth character is the number of samples collected by the collector. The sixtieth character is the number of samples collected by the collector. The sixty-first character is the number of samples collected by the collector. The sixty-second character is the number of samples collected by the collector. The sixty-third character is the number of samples collected by the collector. The sixty-fourth character is the number of samples collected by the collector. The sixty-fifth character is the number of samples collected by the collector. The sixty-sixth character is the number of samples collected by the collector. The sixty-seventh character is the number of samples collected by the collector. The sixty-eighth character is the number of samples collected by the collector. The sixty-ninth character is the number of samples collected by the collector. The seventieth character is the number of samples collected by the collector. The seventy-first character is the number of samples collected by the collector. The seventy-second character is the number of samples collected by the collector. The seventy-third character is the number of samples collected by the collector. The seventy-fourth character is the number of samples collected by the collector. The seventy-fifth character is the number of samples collected by the collector. The seventy-sixth character is the number of samples collected by the collector. The seventy-seventh character is the number of samples collected by the collector. The seventy-eighth character is the number of samples collected by the collector. The seventy-ninth character is the number of samples collected by the collector. The eightieth character is the number of samples collected by the collector. The eighty-first character is the number of samples collected by the collector. The eighty-second character is the number of samples collected by the collector. The eighty-third character is the number of samples collected by the collector. The eighty-fourth character is the105

Sample number	Geographic location	Sample description	Universal number
MLE18	Bradfield Canal A-1	Approximately 1.5 km southeast of west shore of Silver River near mouth of Bradfield Canal	643802E 643802N
8515	Bradfield Canal A-1	Southeast spur of Jefferson fault at 5,500 ft elevation	643100E 643100N
8516	Ketchikan D-3	Approximately 800 m north-west of the summit of Mt. Sully	643200E 643200N
8516C	Bradfield Canal A-1	On ridge between Mount and Green Creeks, 4.5 km N of Bradfield Canal	643802E 643802N
9226A	Ketchikan A-3	South and Cyren Island, north of Bradfield Canal	922600E 922600N
9226B	Ketchikan A-3	North shore of Bradfield Canal, opposite mouth of Mink Bay	922600E 922600N
9226C	Ketchikan D-3	North shore of Mink Bay, about 1.5 km west of Bradfield Canal	922600E 922600N
9226D	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	922600E 922600N
9226E	Ketchikan D-3	On summit of Hill 306	922600E 922600N
9226F	Ketchikan D-3	On west slope of Hill 306	922600E 922600N
9226G	Ketchikan D-3	On east slope of Hill 306	922600E 922600N
9226H	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	922600E 922600N
9226I	Ketchikan D-3	On summit of Hill 306	922600E 922600N
9226J	Ketchikan D-3	On west slope of Hill 306	922600E 922600N
9226K	Ketchikan D-3	On east slope of Hill 306	922600E 922600N
9226L	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	922600E 922600N
9226M	Ketchikan D-3	On summit of Hill 306	922600E 922600N
9226N	Ketchikan D-3	On west slope of Hill 306	922600E 922600N
9226O	Ketchikan D-3	On east slope of Hill 306	922600E 922600N
9226P	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	922600E 922600N
9226Q	Ketchikan D-3	On summit of Hill 306	922600E 922600N
9226R	Ketchikan D-3	On west slope of Hill 306	922600E 922600N
9226S	Ketchikan D-3	On east slope of Hill 306	922600E 922600N
9226T	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	922600E 922600N
9226U	Ketchikan D-3	On summit of Hill 306	922600E 922600N
9226V	Ketchikan D-3	On west slope of Hill 306	922600E 922600N
9226W	Ketchikan D-3	On east slope of Hill 306	922600E 922600N
9226X	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	922600E 922600N
9226Y	Ketchikan D-3	On summit of Hill 306	922600E 922600N
9226Z	Ketchikan D-3	On west slope of Hill 306	922600E 922600N

SiO2	Al2O3	FeO	MgO	CaO	K2O	Na2O	TiO2	H2O	P2O5	CO2	Total	SiO2	Al2O3	FeO	MgO	CaO	K2O	Na2O	TiO2	H2O	P2O5	CO2	Total
62.7	62.7	63.8	69.2	68.4	51.6	58.0	61.1	61.3	58.6	59.1	58.4	61.8	58.1	65.9	66.4	63.2	58.9	76.5	66.6	59.3	65.9	67.4	67.4
18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2

SiO2	Al2O3	FeO	MgO	CaO	K2O	Na2O	TiO2	H2O	P2O5	CO2	Total
62.7	62.7	63.8	69.2	68.4	51.6	58.0	61.1	61.3	58.6	59.1	58.4
18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2

Sample number	Geographic location	Sample description	Universal number
9310A	Bradfield Canal A-1	Approximately 1.5 km southeast of west shore of Silver River near mouth of Bradfield Canal	931000E 931000N
9310B	Bradfield Canal A-1	Southeast spur of Jefferson fault at 5,500 ft elevation	931000E 931000N
9310C	Ketchikan D-3	Approximately 800 m north-west of the summit of Mt. Sully	931000E 931000N
9310D	Bradfield Canal A-1	On ridge between Mount and Green Creeks, 4.5 km N of Bradfield Canal	931000E 931000N
9310E	Ketchikan A-3	South and Cyren Island, north of Bradfield Canal	931000E 931000N
9310F	Ketchikan A-3	North shore of Bradfield Canal, opposite mouth of Mink Bay	931000E 931000N
9310G	Ketchikan D-3	North shore of Mink Bay, about 1.5 km west of Bradfield Canal	931000E 931000N
9310H	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	931000E 931000N
9310I	Ketchikan D-3	On summit of Hill 306	931000E 931000N
9310J	Ketchikan D-3	On west slope of Hill 306	931000E 931000N
9310K	Ketchikan D-3	On east slope of Hill 306	931000E 931000N
9310L	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	931000E 931000N
9310M	Ketchikan D-3	On summit of Hill 306	931000E 931000N
9310N	Ketchikan D-3	On west slope of Hill 306	931000E 931000N
9310O	Ketchikan D-3	On east slope of Hill 306	931000E 931000N
9310P	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	931000E 931000N
9310Q	Ketchikan D-3	On summit of Hill 306	931000E 931000N
9310R	Ketchikan D-3	On west slope of Hill 306	931000E 931000N
9310S	Ketchikan D-3	On east slope of Hill 306	931000E 931000N
9310T	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	931000E 931000N
9310U	Ketchikan D-3	On summit of Hill 306	931000E 931000N
9310V	Ketchikan D-3	On west slope of Hill 306	931000E 931000N
9310W	Ketchikan D-3	On east slope of Hill 306	931000E 931000N
9310X	Ketchikan D-3	On ridge crest approximately 700 m northwest of Hill 306	931000E 931000N
9310Y	Ketchikan D-3	On summit of Hill 306	931000E 931000N
9310Z	Ketchikan D-3	On west slope of Hill 306	931000E 931000N

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MAP SHOWING GENERAL GEOLOGY AND LOCATION OF CHEMICALLY AND RADIOMETRICALLY ANALYZED SAMPLES
IN PARTS OF THE KETCHIKAN, BRADFIED CANAL, AND PRINCE RUPERT QUADRANGLES, SOUTHEASTERN ALASKA