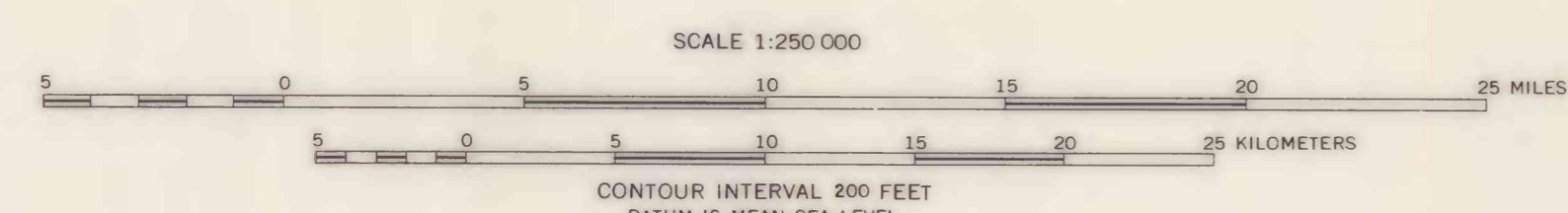


Base from USGS 1:250,000 topo series:
Bradfield Canal, 1955, ALASKA-CANADA.



Geology by H. C. Berg, D. A. Brew, A. L. Clark, W. H. Condon,
J. E. Decker, M. F. Diggles, G. C. Dunno, R. L. Elliott,
J. D. Gallinatti, M. H. Herdick, S. M. Karl, R. D. Koch,
M. L. Miller-Hoare, R. P. Morrell, J. G. Smith, and
R. A. Sonnevill, 1968-1979.

SYMBOLS

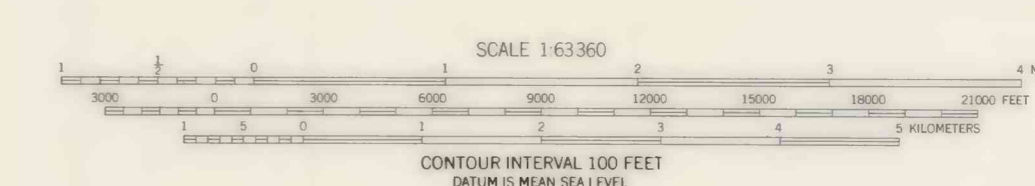
- Occurrence: Minor or unevaluated occurrence of mineral commodity(ies).
- or
- Claim: Claim(s) filed for specified commodity(ies), but information insufficient to determine extent of exploration or development.
- Prospect: Deposit with reported or assumed development or assessment work. Claims may or may not be active.
- Mine: Deposit with recorded or probable production. Claims may or may not be active.
- Numbers adjacent to the symbols on the maps correspond to map numbers in the descriptive tables that accompany this report.

EXPLANATORY NOTE

This map and accompanying table (in pamphlet) provide information on metallic mineral deposits of the Bradfield Canal quadrangle in southeastern Alaska. In this report we have included data on concentrations of valuable or potentially valuable metallic minerals at mines and prospects, and at unevaluated mineral occurrences, some of which may be unclaimed. Unevaluated or unclaimed occurrences of apparently anomalous amounts of metals in rock geochemical samples are generally excluded. Several occurrences or prospects are known only from the U.S. Bureau of Mines claims map (1979) of the Bradfield Canal quadrangle; information on these deposits generally is limited to commodity, number of claims, year staked, and whether the claims are lode or placer. Barite is the only nonmetallic commodity tabulated, and is in each case associated with metallic commodities. Potential sites for the recovery of construction materials and decorative stone may occur but are not described. Geothermal resources are also excluded, and fossil fuel resources are not known in the study area.



Base from USGS 1:63,360 topo series:
Bradfield Canal (A-1), 1955, ALASKA



Contacts generalized from Smith (1977)

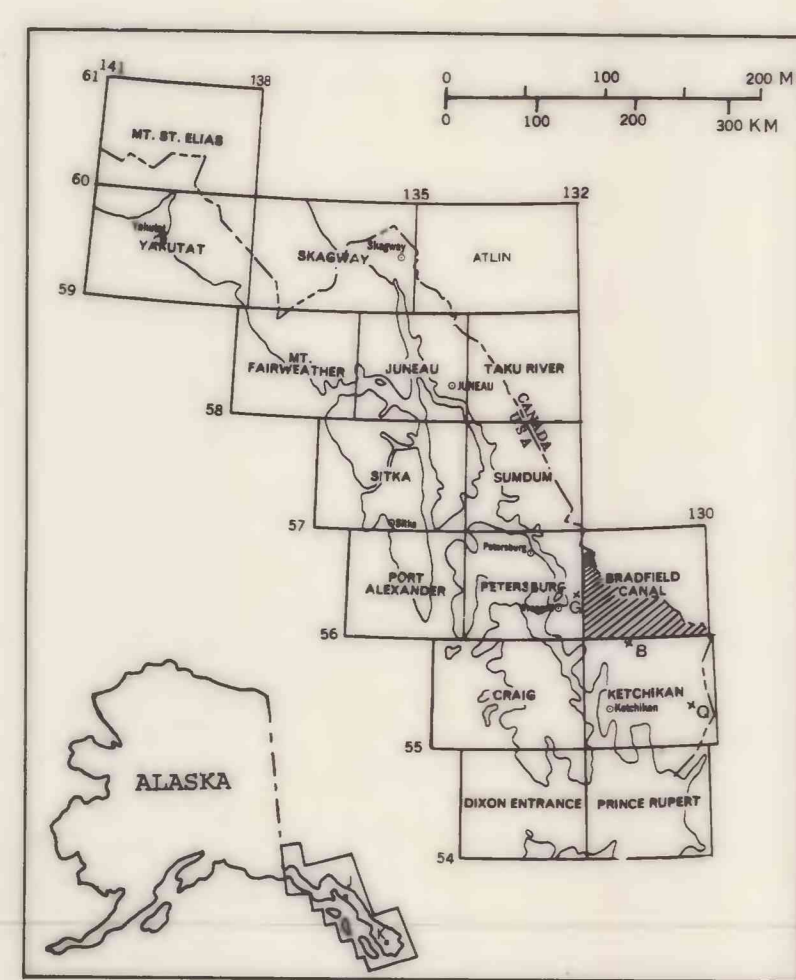
- Unit Descriptions
- Qu UNCONSOLIDATED DEPOSITS, UNDIVIDED (Quaternary)
- Teg GRANDIORITE AND QUARTZ MONZONITE (Eocene)
- Rt TEXAS CREEK GRANDIORITE (Triassic)
- MzPzsv METASEDIMENTARY AND METAVOLCANIC ROCKS^{1/2}, INCLUDES CATACLASTIC ZONES (TRIASSIC OR OLDER)

^{1/2} Called Hazleton Group by Buddington (1929) and Hazleton(?) Group by Berg and others (1977), and by Smith (1977).

Map Number	Resources Reported ^{1/2}							Other
	Ag	Au	Cu	Mo	Pb	Zn		
1	X				X	X		
2	X	X	X		X	X		
3	X	?						
4					?		U(?)	
5			X					
6	X	X	X					
7			?					
8							RA(?)	
9			X				Fe	
10								
11					X			
12					X			
13			X					
14	X	X					ba	
15				?				
16	?	?	X					
17a	X	X	X	?	X			
17b	?	?			?			
18a	X	X	X					
18b			X					
19	X	X	X	X	X			
20	X	?			X			
21	X	X	X	X	X	X		
22	X	X	X	X	X	X		
23	X	X	X	X	X	X		
24	X	X	X	X	X	X		
25	X	X	X	X	X	X		
26	X	X	X	X	X	X		
27			X			X		
28	X	X	X	X	X	X		
29	X	X	X	X	X	X		
30	X	X	X	X	X	X		
31	?	?	X	X	X	X		
32	X	X	X	X	X	X		
33	X		X		X			
34			X		X			
35								
36	X		X	X	X	X	ba	
37	X	X	X	X	X	X		
38			X	X	X	X		
39	X	X	X	X	X	X		
40			X	X	X	X		
41	?				X		ba	
42	X	X	X	X	X	X		

Map Number	Resources Reported ^{1/2}							Other
	Ag	Au	Cu	Mo	Pb	Zn		
43	?	?			X	X		
44			X		X	X		
45	X	X	X			X		
46			X		X	X		
47	X	X	X		X	X		
48	X	X	X		X	X		
49	X	X	X		X	X		
50			X		X	X		
51	X	X	X	X	X	X		
52					X			
53			?		X			
54					X			
55			X		X			
56			X		X		ba	
57	X	X	X		X	X	ba	
58	X	X	X		X	X		
59	X	X	X		X	X		
60	X	X	X		X	X		
61	X	X	X		X	X		
62	X	X	X		X	X		
63	X	X	X		X	X		
64			X		X	X		
65	X	X	X		X	X		
66	X	X	X		X	X		
67	X	X	X		X	X		
68	?	X	X		X	X		
69	?		X		X	X		
70			X		X	X		
71	X	X	X		X	X		
72	X	X	X		X	X		
73	X	X			X	X		
74			X	X	X	X		
75	?	?	?		?	X	?	
76			X					
77	X	X	X		X	X		
78	X	X	X		X	X		
79	X	X	X		X	X	ba	
80	X	X	X		X	X	ba	

^{1/2} Elements are represented by their standard chemical symbols. Other commodities are abbreviated as follows: ba, barite; Ra, unspecified radioactive element(s) or mineral(s); REE, rare earth elements. Presence of commodity is indicated by ? in column or by symbol or abbreviation in "other" column. Queried where presence of commodity is inferred from indirect evidence or based on questionable reports.



MAP SHOWING LOCATIONS OF MINES, PROSPECTS, AND SELECTED METALLIFEROUS MINERAL OCCURRENCES IN THE BRADFIELD CANAL QUADRANGLE, SOUTHEASTERN ALASKA

by
R. L. ELLIOTT AND R. D. KOCH
1981