



FOSSIL COLLECTIONS				
Map No.	Location	USGS No.	Identification	Studied by
Jurassic and Cretaceous				
1	sec. 24, T. 3 N., R. 23 E.	M-5596	<i>Buchia</i> cf. <i>B. fischeriana</i>	D. L. Jones
2	sec. 1, T. 3 N., R. 22 E.	M-5595	<i>Buchia</i> sp.; may be <i>B. fischeriana</i>	D. L. Jones
Upper Triassic and Upper Permian(?)				
3	sec. 31, T. 5 N., R. 22 E.	69-AMN-178	<i>Monotis</i> sp.	N. J. Silberling
4	sec. 22, T. 5 N., R. 21 E.	69-ARH-188	<i>Scleractinia?</i> coral Orthoconic nautilus Coiled cephalopod Pelecypod scraps	N. J. Silberling
5	sec. 31, T. 5 N., R. 22 E.	18346	<i>Monotis subcircularis</i> Gabb	From Moffitt (1954)
6	sec. 33, T. 5 N., R. 22 E.	18342	<i>Monotis subcircularis</i> Gabb	From Moffitt (1954)
Late Paleozoic (Permian?)				
7	sec. 3, T. 4 N., R. 22 E.	69-ARH-210	Ramosse bryozoans Brachiopod scraps	N. J. Silberling
8	sec. 3, T. 4 N., R. 22 E.	69-ARH-211	Brachiopod scraps	N. J. Silberling

PROSPECTS AND MINERAL OCCURRENCES			
Map No.	Location	Principal commodity (name of deposit)	Type of mineralization
1	sec. 23, T. 5 N., R. 21 E.	Cu (O'Hara)	Disseminated in basalt
2	sec. 25, T. 5 N., R. 21 E.	Cu (Reynolds)	Disseminated in basalt
3	sec. 1, T. 4 N., R. 22 E.	Cu	Vein
4	sec. 21, T. 4 N., R. 23 E.	Cu (Baultoff)	Disseminated in diorite
5	secs. 31, 32, T. 4 N., R. 23 E.	Cu	Disseminated in diorite
6	sec. 7, T. 3 N., R. 23 E.	Cu	Vein
7	sec. 16, T. 3 N., R. 23 E.	Cu (Horsfeld)	Disseminated in quartz monzonite
8	sec. 10, T. 3 N., R. 23 E.	Cu	Disseminated in diorite
9	sec. 31, T. 4 N., R. 24 E.	Cu	Vein
10	sec. 36, T. 4 N., R. 23 E.	Pb, barite	Vein

Analitical data on samples from these prospects and mineral occurrences and from other localities in the quadrangle are reported by Matson and Richter (1971).

REFERENCES

Matson, N. A., Jr., and Richter, D. H., 1971, Geochemical data from the Nabesna A-1 quadrangle, Alaska: U.S. Geol. Survey open-file report, 10 p.
Moffitt, F. H., 1954, Geology of the eastern part of the Alaska Range and adjacent area: U.S. Geol. Survey Bull. 989-D, p. 65-218.
Richter, D. H., and Jones, D. L., 1973, Reconnaissance geologic map of the Nabesna A-2 quadrangle, Alaska: U.S. Geol. Survey Misc. Geol. Inv. Map I-749.

NOTE ADDED IN PROOF:

The Permian age designation for volcanic rocks (Pi and Pv) in the argillite-limestone-volcanic rock sequence shown above is questionable. Recent biostratigraphic studies (D. H. Richter and J. T. Dutro, Jr., unpub. data) of similar upper Paleozoic rocks elsewhere in the eastern Alaska Range indicate that the volcanogenic rocks are largely Pennsylvanian in age.

RECONNAISSANCE GEOLOGIC MAP OF THE NABESNA A-1 QUADRANGLE, ALASKA

By
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