

GEOLOGIC MAP OF THE MELOIZITNA QUADRANGLE, ALASKA

By
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1978

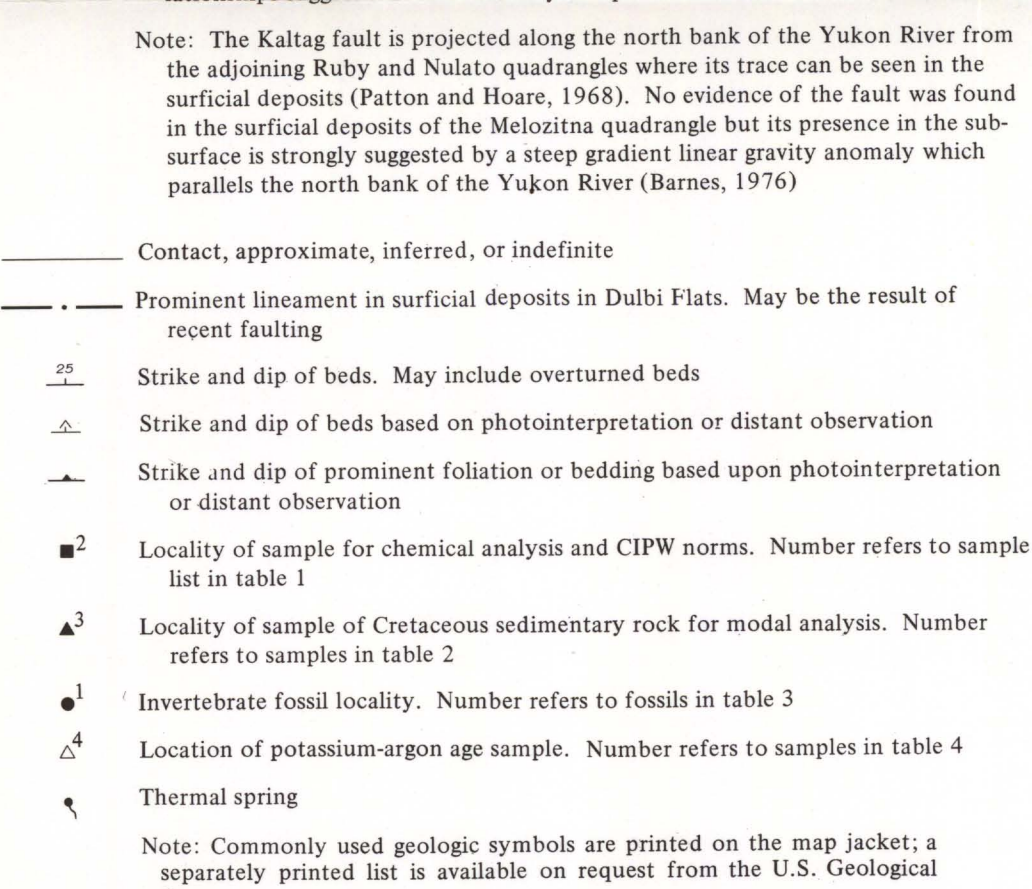
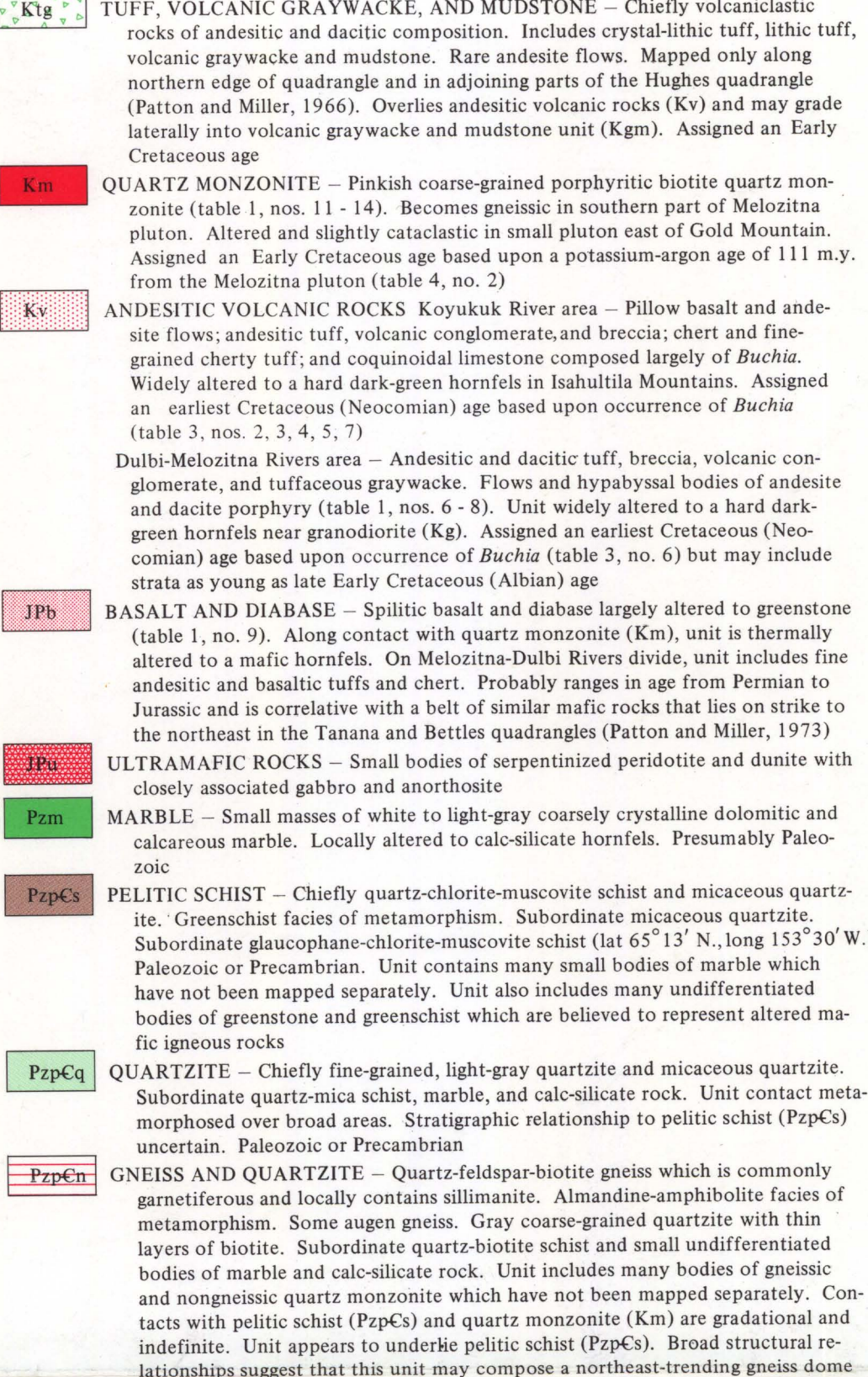
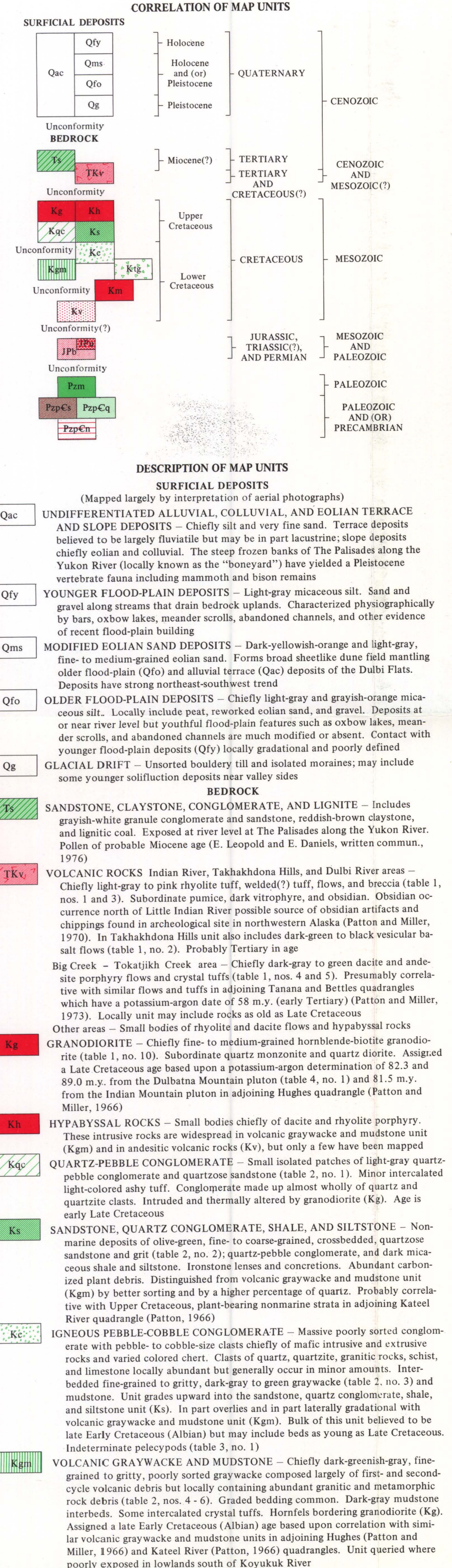


TABLE 2. MINERALOGICAL COMPOSITION (IN PERCENT) OF 6 SAMPLES OF TYPICAL CRETACEOUS SANDSTONE AND GRAYWACKE

[Sample locations are shown on map as #1-6. Composition based on counts of 600 ppi per thin section]

Field No.	68Am1	68Am2	68Am3	68Am4	68Am5	68Am6
Sample No.	1	2	3	4	5	6
Lat N	65°40'	65°01'	65°27'	65°57'	65°16'	65°19'
Long W	153°50'	153°21'	154°25'	153°09'	155°05'	154°55'
Quartz, quartzite	64	3	49	33	25	9
Chert	-	3	3	1	<1	9
Feldspar	-	7	9	6	23	10
Volcanic	-	1	10	9	28	14
Sedimentary	<1	3	7	5	3	4
Metamorphic	<1	2	3	10	-	2
(except carbonate)	-	-	-	-	-	-
Plutonic	-	-	-	-	-	<1
Mica	-	-	6	9	4	2
Carbonate	-	-	-	-	-	10
Argillaceous material	35	12	10	31	17	24
Miscellaneous	0	1	1	2	1	12
(chiefly heavy minerals)	-	-	-	-	-	-

TABLE 3. CRETACEOUS INVERTEBRATE FOSSIL COLLECTIONS

[Sample locations are shown on map as #1-6. Fossils identified by D. L. Jones and R. W. Imay, U.S. Geological Survey]

No.	Field No.	USGS locality No.	Fossils	Latitude and longitude
1	68Am61	Mes. loc. MS041	Indeterminate pelecypods - some resemble <i>Arctica</i>	65°03' N.; 153°03' W.
2	53AP433	Mes. loc. 24686	<i>Buchia subaeris</i>	65°52' N.; 154°34' W.
3	65AM10F	Mes. loc. M2962	belemnite	65°51' N.; 154°35' W.
4	53AP436	Mes. loc. 24687	<i>Buchia cf. B. crassicauda</i>	65°50' N.; 154°36' W.
5	65AM11F	Mes. loc. M2963A	<i>Buchia subaeris</i>	65°50' N.; 154°37' W.
6	68AP38	Mes. loc. M2963B	<i>Buchia subaeris</i>	65°50' N.; 154°37' W.
7	63AP214	Mes. loc. MS040	<i>Buchia keyserlingi</i>	65°59' N.; 154°49' W.

TABLE 4. POTASSIUM-ARGON AGE DETERMINATIONS

[Sample locations are shown on map as #2, #4. K