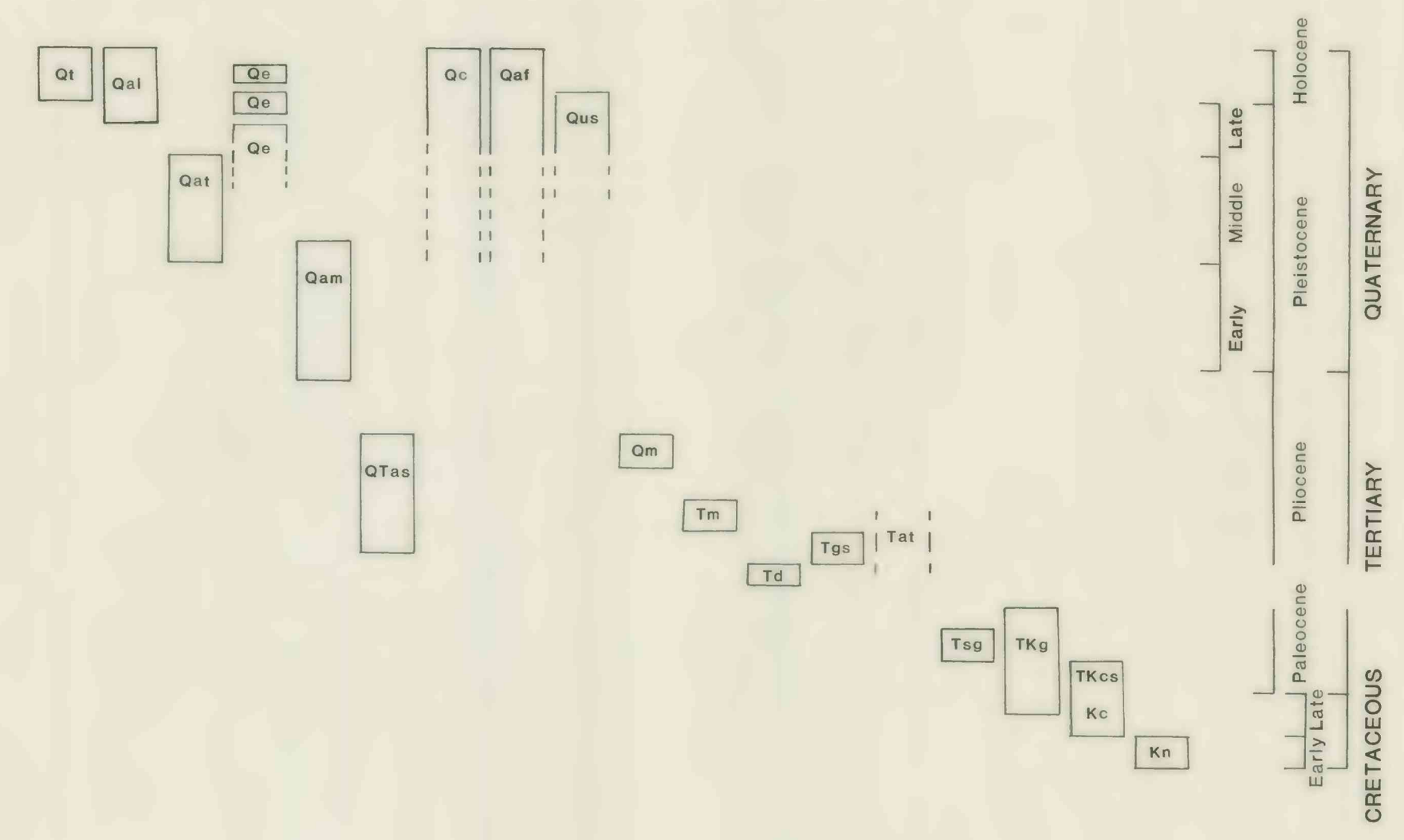
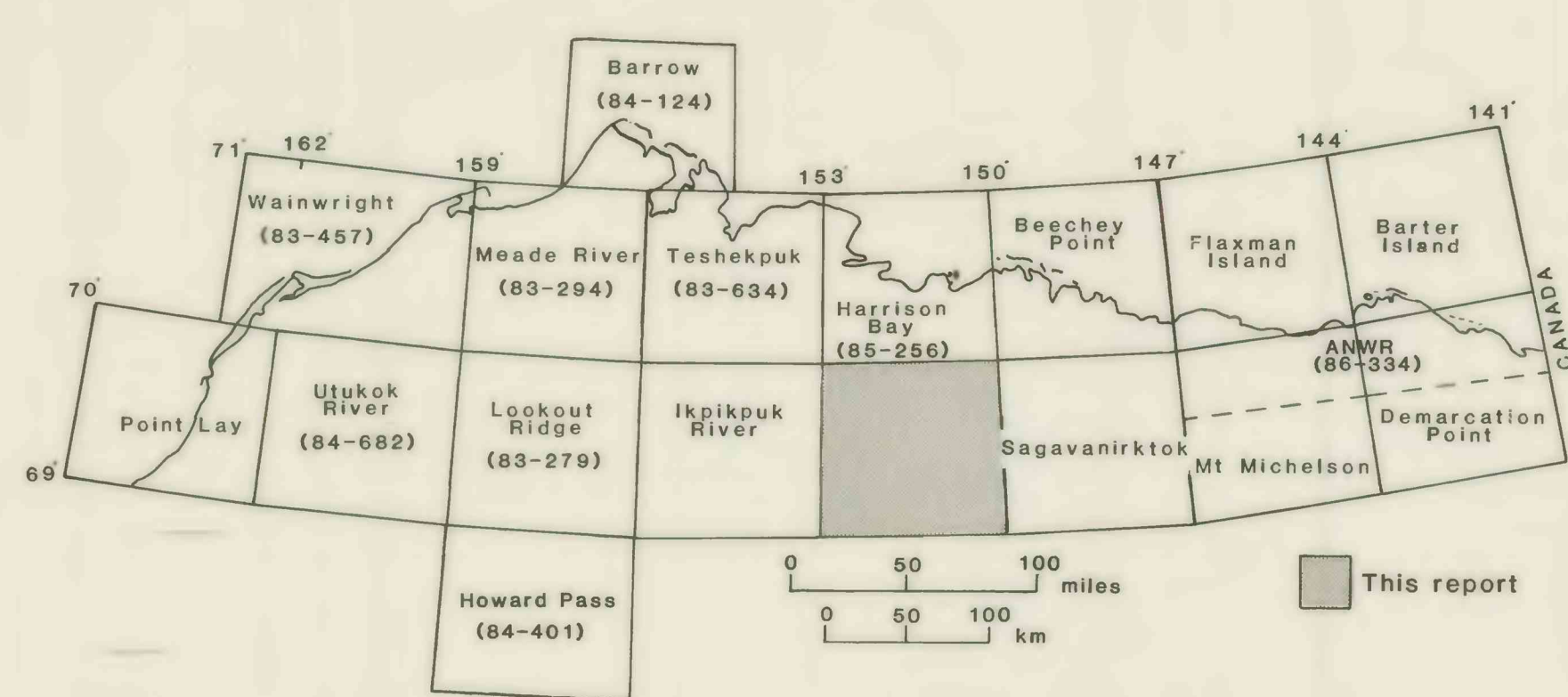
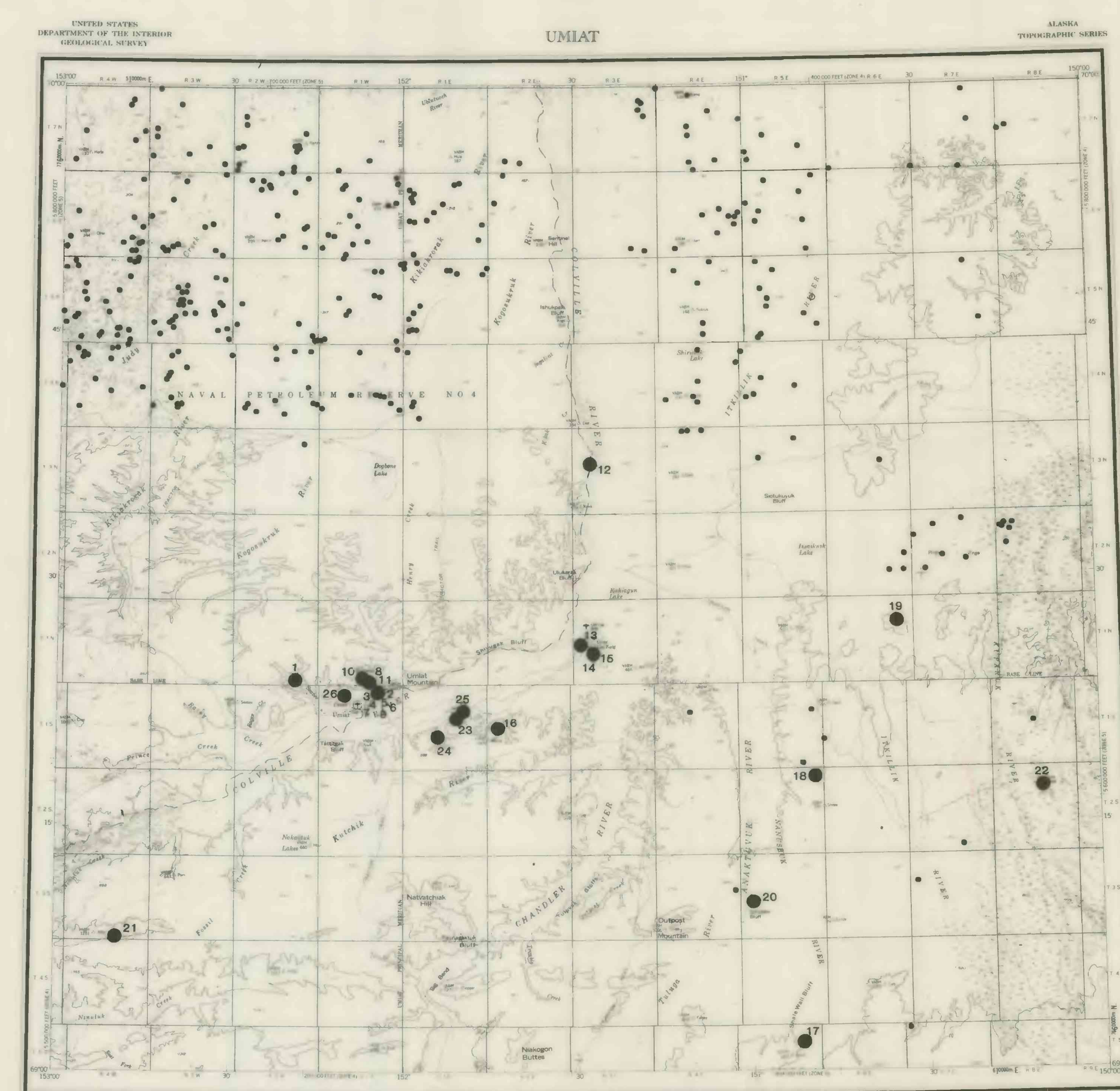
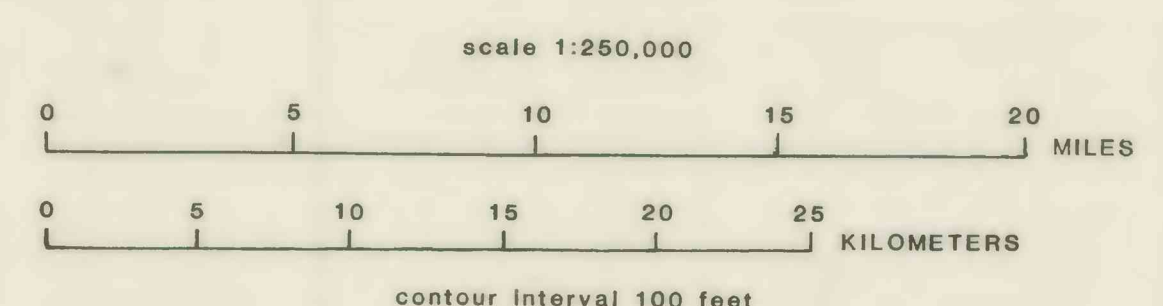


CORRELATION OF MAP UNITS



Base from U.S. Geological Survey 1:250,000 Umiat, 1955.
Surficial geology mapped 1977 - 1982.
Contacts between Colville group and Hanushek group
from Dietzman and others (1963) and Brossé and
Whittington (1966).



Index map of northern Alaska showing published 1:250,000 scale engineering-geologic maps, which are identified by the U.S. Geological Survey Open-File Report number in parentheses under the quadrangle name.

MAP SYMBOLS

GEOLOGIC MAP

- Contact
- ||||| Scarp
- ▲ Kc (vertical or near vertical exposures)
- Linear feature visible on aerial photographs; origin uncertain (northeast corner of the map)
- ① Landslide
- Test well (see insert table)
- Pingo (1 to 3)

INSERT MAP

TEST WELLS

# Well	well depth		unconsolidated deposits (1)		Latitude	Longitude
	ft	m	ft	m		
1 Umiat no. 1	6005	1830	-	-	69° 23' 52" N	152° 19' 45" W
2 Umiat no. 2	6212	1893	70	21	69° 23' 03" N	152° 05' 00" W
3 Umiat (Core Test 1) no. 3	572	174	60	18	69° 23' 16" N	152° 05' 13" W
4 Umiat (Ruby 1) no. 4	840	256	90	27	69° 23' 20" N	152° 04' 53" W
5 Umiat (Ruby 2) no. 5	1077	328	65	20	69° 23' 04" N	152° 04' 55" W
6 Umiat (Ruby 3) no. 6	825	251	30	9	69° 22' 44" N	152° 05' 39" W
7 Umiat (Ruby 4) no. 7	1384	422	50	15	69° 22' 32" N	152° 06' 16" W
8 Umiat no. 8	1327	404	20	6	69° 23' 56" N	152° 06' 56" W
9 Umiat no. 9	1257	383	-	-	69° 23' 13" N	152° 10' 10" W
10 Umiat no. 10	1573	476	-	-	69° 24' 03" N	152° 07' 56" W
11 Umiat no. 11	3303	1007	20	6	69° 24' 29" N	152° 05' 57" W
12 Sentinel Hill (CR) no. 11	1180	360	-	-	69° 26' 56" N	151° 27' 11" W
13 Gubik no. 1	6000	1829	65	20	69° 26' 03" N	151° 29' 35" W
14 Gubik no. 2	4620	1408	110	33	69° 25' 28" N	151° 26' 32" W
15 Gubik Unit no. 1	4406	1343	90	27	69° 25' 22" N	151° 26' 32" W
16 East Umiat no. 1	3347	1020	75	23	69° 20' 40" N	151° 04' 36" W
17 Shale Hill Unit no. 1	4026	1227	75	23	69° 01' 56" N	150° 51' 48" W
18 Kubaruk Unit no. 1	6570	2002	60	18	69° 17' 48" N	150° 49' 49" W
19 Itkillik Unit no. 1	7751	2362	60	18	69° 27' 20" N	150° 34' 32" W
20 Schrader Unit no. 1	5129	1563	100	30	69° 10' 36" N	151° 00' 38" W
21 Little Twist Unit no. 1	3625	1105	-	-	69° 08' 26" N	152° 49' 06" W
22 East Kubaruk Unit no. 1	7000	2134	75	229	69° 17' 16" N	150° 09' 23" W
23 East Umiat Unit no. 2	2841	866	150	46	69° 21' 33" N	151° 51' 42" W
24 Colville Unit no. 1	4150	1265	75	23	69° 20' 13" N	151° 54' 43" W
25 Colville Unit no. 2	3254	991	75	23	69° 21' 55" N	151° 49' 55" W
26 Seabee no. 1	15611	4758	100	30	69° 42' 48" N	152° 10' 31" W

(1) unconsolidated deposits - thickness is usually estimated (see Bird, 1982, USGS Open-File 82-278)

ENGINEERING-GEOLOGIC MAPS OF NORTHERN ALASKA, UMIAT QUADRANGLE

by
L. David Carter and John P. Galloway

This report is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature.