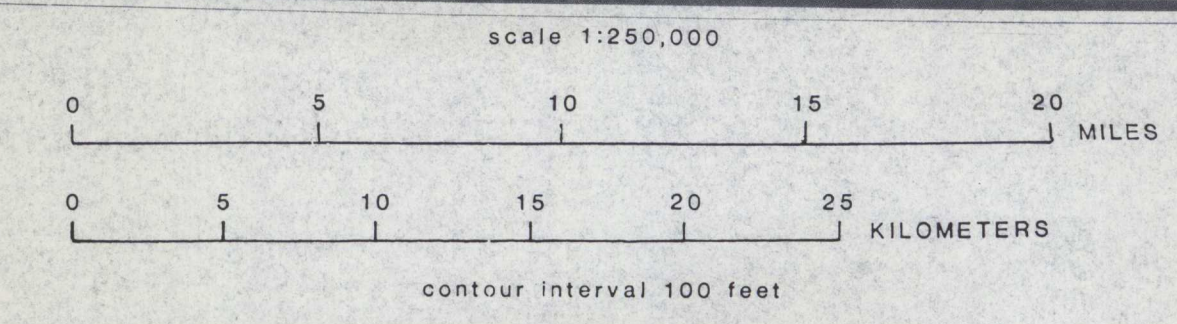
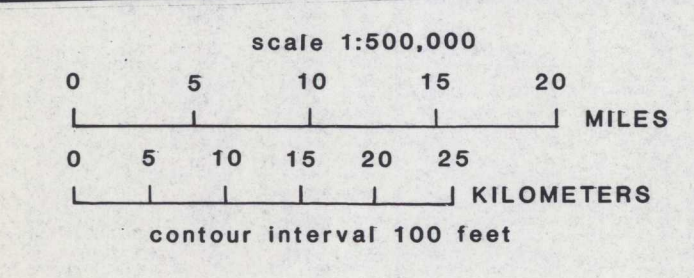
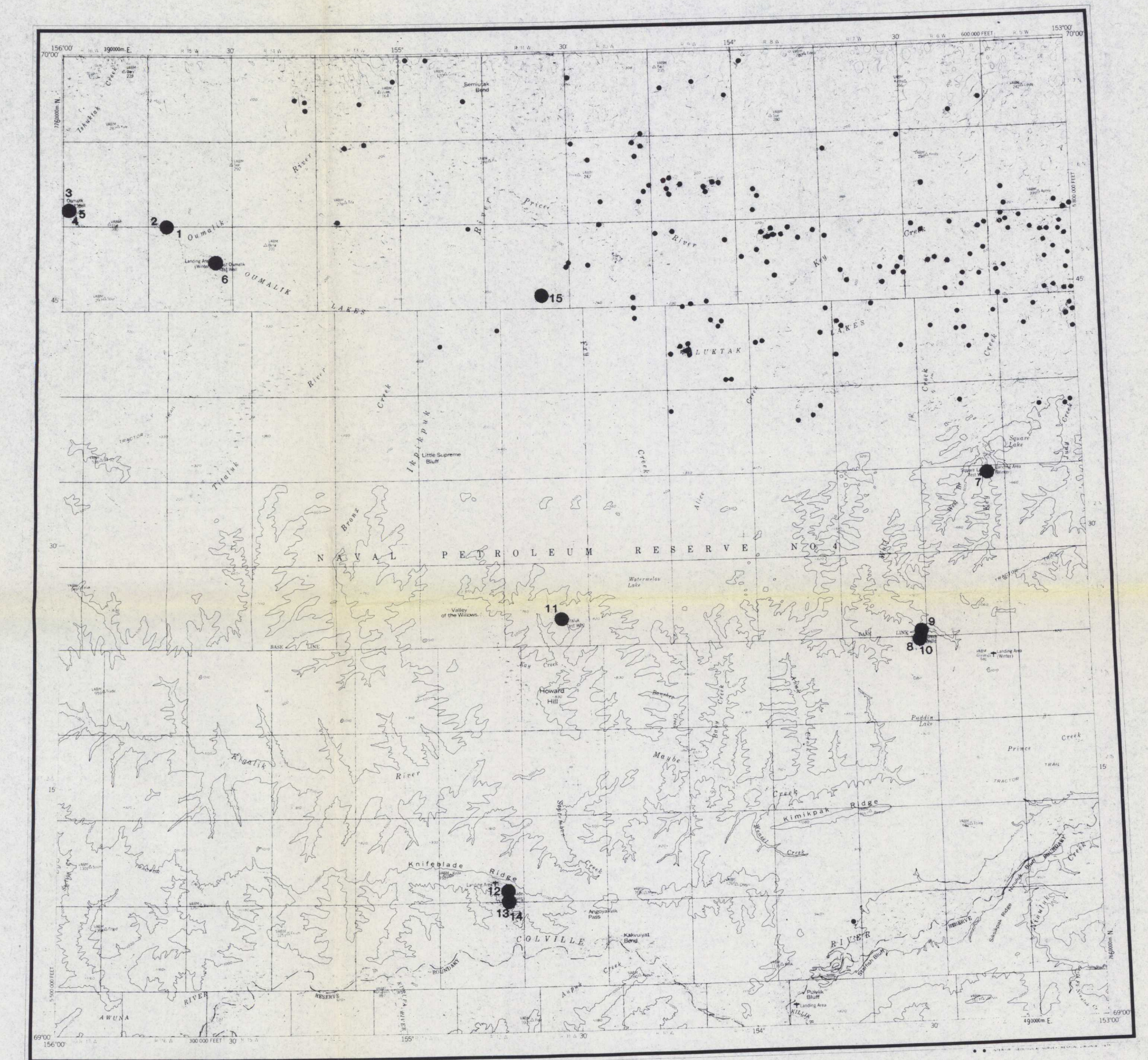




Unconsolidated deposits mapped by W.E. Yeend (1977), L.D. Carter and M.P. Springer (1977), and L.D. Carter and J.P. Galloway (1978-1982). Bedrock geology generalized from Detterman and others (1963), Chapman and others (1964), Brosge and Whittington (1966), and Mayfield and others (1976).



Inset map of Ikpiqpuq River quadrangle showing location of test wells (see table) and pingos (each dot represents 1 or 2 pingos, from Galloway and Carter, 1978)



GEOLOGIC MAP

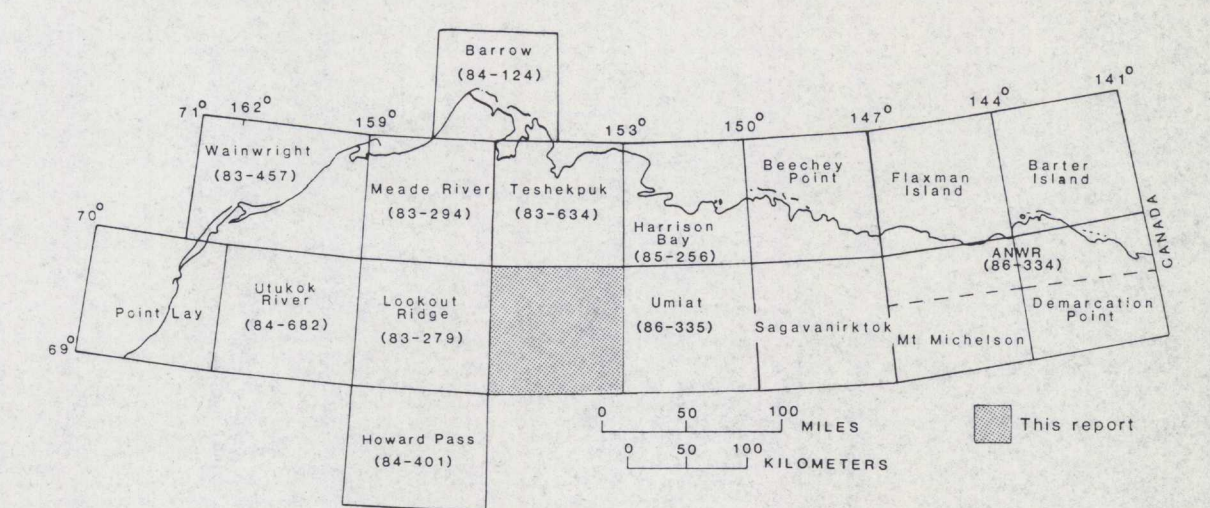
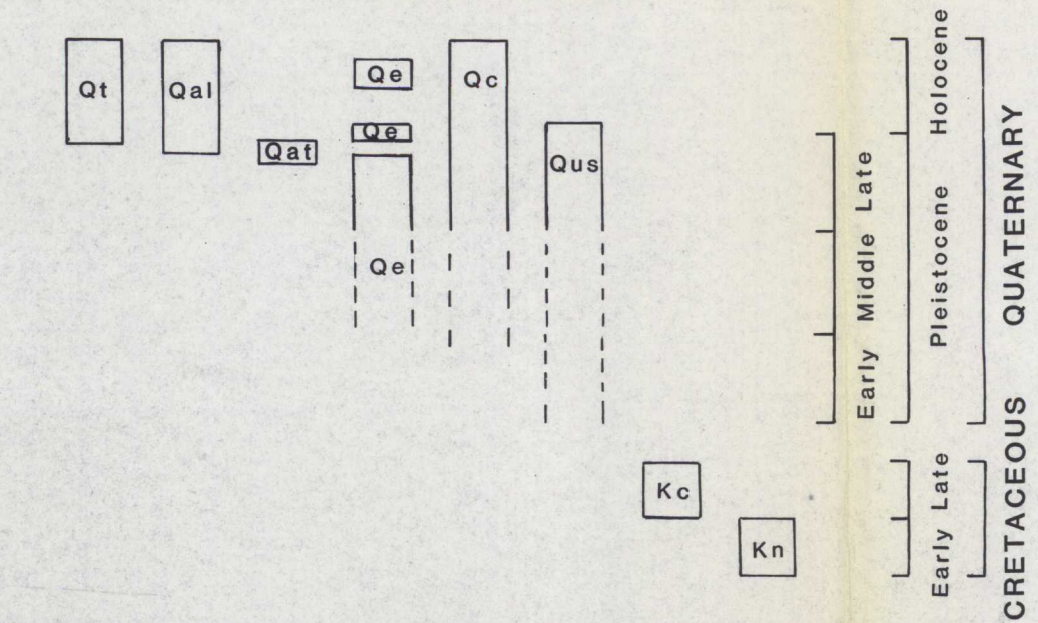
- Contact
dashed where approximately located
- U --- Fault
D --- Fault
dashed where approximately located
U upthrown side D downthrown side
- ↔ Anticline
showing trace of axial plane and plunge of axis,
dashed where approximately located, queried where doubtful
- ↔ Syncline
showing traces of axial plane and plunge of axis,
dashed where approximately located
- ↳ Landslide

TEST WELLS

#	Well	Well depth ft	Unconsolidated deposits ft	Latitude	Longitude
1	Ikpiqpuq (core test) no. 1	176	54.2	69° 49' 36" N	155° 41' 57" W
2	Oumalik (core test) no. 1	392	119.5	30 9.1	69° 49' 45" N 155° 41' 30" W
3	Oumalik (core test) no. 11	303	92.3	-	69° 50' 17" N 155° 59' 29" W
4	Oumalik (core test) no. 12	300	91.4	-	69° 50' 17" N 155° 59' 23" W
5	Oumalik no. 1	11872	3618.6	30 9.1	69° 50' 17" N 155° 59' 23" W
6	East Oumalik no. 1	9035	183.9	50 15.2	69° 47' 29" N 155° 32' 33" W
7	Square Lake no. 1	3987	1215.2	35 10.7	69° 34' 00" N 153° 18' 00" W
8	Wolf Creek no. 1	1500	457.2	10 30.0	69° 23' 11" N 154° 31' 14" W
9	Wolf Creek no. 2	1618	493.2	45 13.7	69° 24' 16" N 153° 11' 24" W
10	Wolf Creek no. 3	3760	1146.0	30 9.1	69° 23' 11" N 154° 31' 14" W
11	Titaluk no. 1	4020	1225.2	40 12.2	69° 25' 20" N 154° 34' 04" W
12	Knifeflade no. 1	1895	550.2	-	69° 09' 03" N 154° 43' 20" W
13	Knifeflade no. 2	373	113.7	15 4.6	69° 07' 52" N 154° 42' 19" W
14	Knifeflade no. 2A	1805	550.2	-	69° 07' 52" N 154° 42' 19" W
15	Kolukak no. 1	5882	1792.8	75 22.8	69° 45' 08" N 154° 36' 39" W

[1] Unconsolidated deposits - thickness is usually estimated. (see Bird USGS Open-File Report 82-278)

CORRELATION OF MAP UNITS



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

ENGINEERING-GEOLOGIC MAPS OF NORTHERN ALASKA, IKPIKPUK RIVER QUADRANGLE

by
L. David Carter and John P. Galloway
1988

This report (map) is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards (and stratigraphic nomenclature). Any use of trade names used in this report is for descriptive purposes only and does not imply endorsement by the United States Geological Survey.