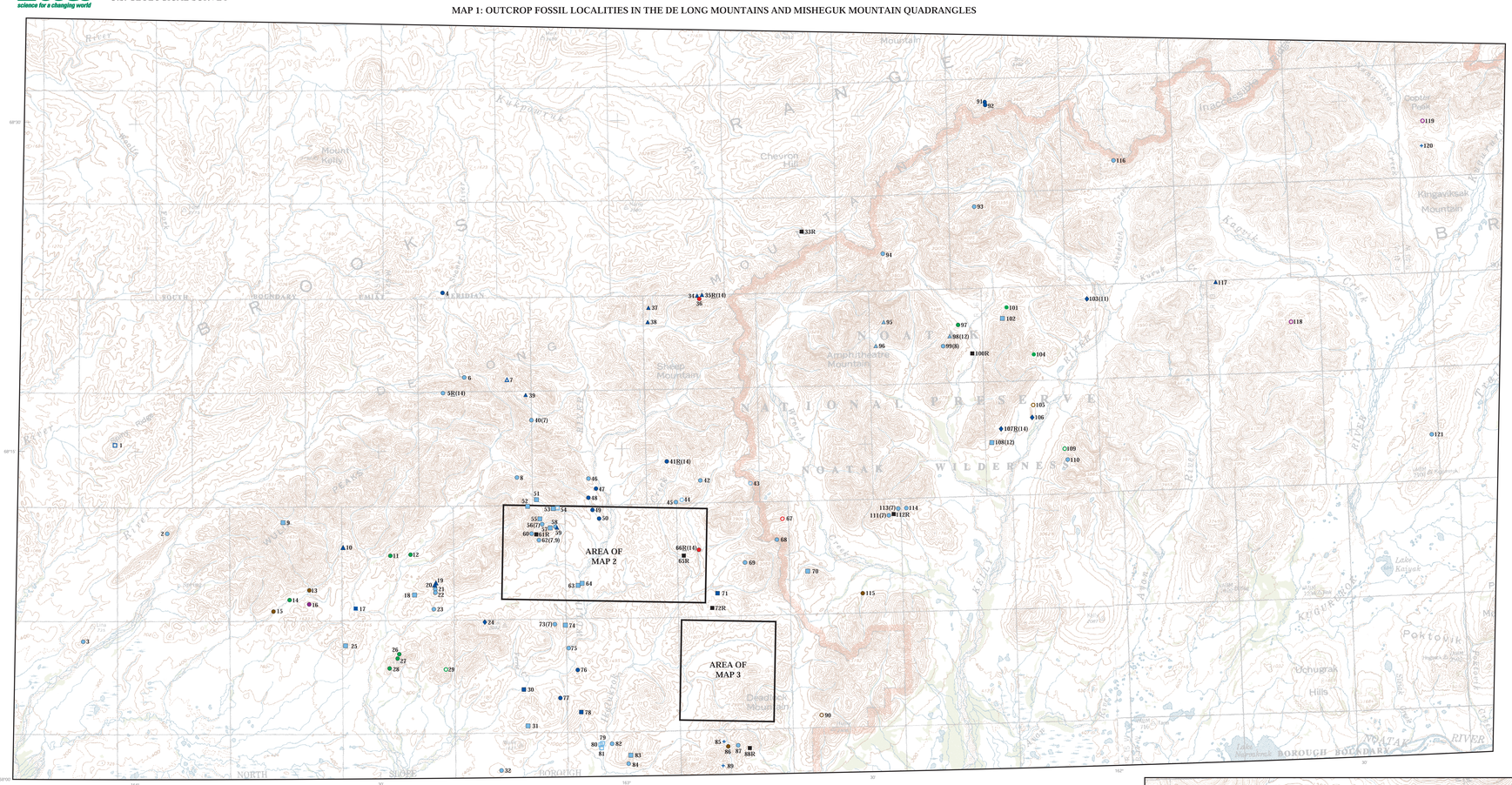
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 2006-1068
SHEET 1 of 2

MAP 1: OUTCROP FOSSIL LOCALITIES IN THE DE LONG MOUNTAINS AND MISHEGUK MOUNTAIN QUADRANGLES



Base from U.S. Geological Survey, 1955 and 1956; limited revisions, 1983.
Universal transverse mercator projection,zone 3.
100,000-foot grid ticks based on Alaska coordinate system, zones 7 and 8
1927 North American datum

SCALE 1:125,000
2 0 2 4 6 8 10 MILES
2 0 2 4 6 8 10 KILOMETERS

CONTOUR INTERVAL 200 FEET
DOTTED LINES REPRESENT 100-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929
1955 MAGNETIC DECLINATION AT SOUTH EDGE OF SHEET VARIES FROM 19° TO 20° EAST

QUADRANGLE INDEX

CONODONT AND RADIOLARIAN DATA FROM THE DE LONG MOUNTAINS QUADRANGLE AND ADJACENT AREAS, ALASKA

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EXPLANATION

Fossil Localities – symbols are color-keyed to stratigraphic unit, depositional environment, fossil type, and area. All localities are listed in tables 1-13 (conodonts) and (or) table 14 (radiolarians).

40(7) Localities with samples from more than one unit (in more than one table) are color-coded for the first table in which they appear; additional tables are listed in parentheses following the locality number.

33R Locality has only radiolarian samples.
35R Locality has conodont and radiolarian samples.

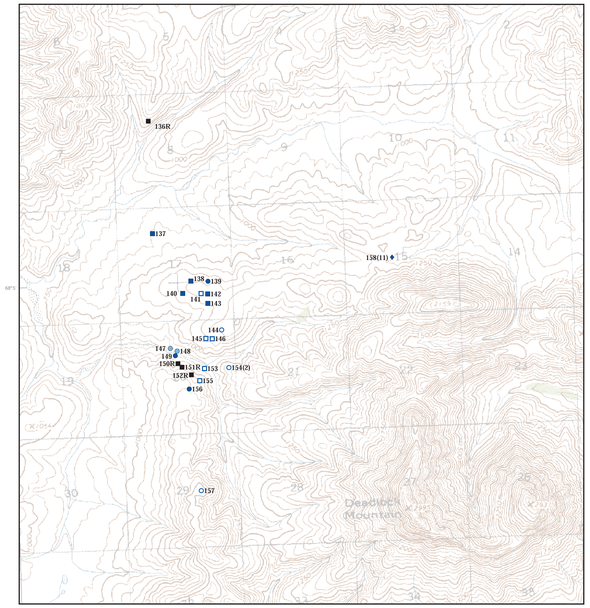
Open symbols indicate all samples from this locality were barren; shape and color of symbol indicates stratigraphic unit and tables

Mostly deep-water strata of the Lisburne Group (Carboniferous)
- Ikiliktelik unit of the Kuna Formation (table 1)
- Kivalina unit of the Kuna Formation (table 2)
- Kuna Formation, undivided (table 3)
- Lisburne Group in the Picnic Creek allochthon (table 4)
- Other deep-water strata of the Lisburne Group (table 5)

Mostly shallow-water strata of the Lisburne Group (Carboniferous)
- Kogruk Formation (table 6)
- Utukok Formation (table 7)
- Unnamed strata that may correlate with the Utukok Formation (table 8)

Other stratigraphic units
- Etivluk Group and Okpikruak Formation (table 9)
- Nuka Formation and related rocks (table 10)
- Endicott Group (table 11)
- Devonian carbonate rocks (table 12)
- Various units in the Noatak quadrangle (table 13)
- Radiolarian samples (table 14)

MAP 3: DRILL HOLE FOSSIL LOCALITIES IN THE RED DOG MINE AREA



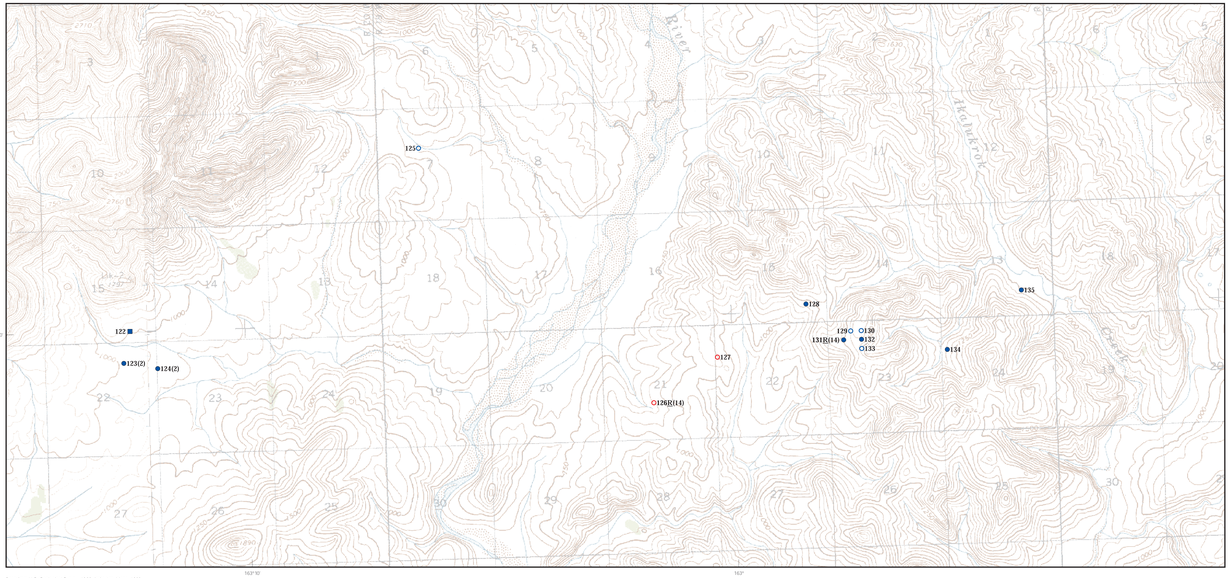
Base from U.S. Geological Survey, 1955; limited revisions, 1983.
Universal transverse mercator projection,zone 3.
100,000-foot grid ticks based on Alaska coordinate system, zones 7 and 8
1927 North American datum

SCALE 1:24 000
1 0 1 2 3 4 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 1 KILOMETER

CONTOUR INTERVAL 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

APPROXIMATE MEAN DECLINATION, 1955

MAP 2: DRILL HOLE FOSSIL LOCALITIES IN THE SU-LIK AND ANARRAAQ AREAS



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