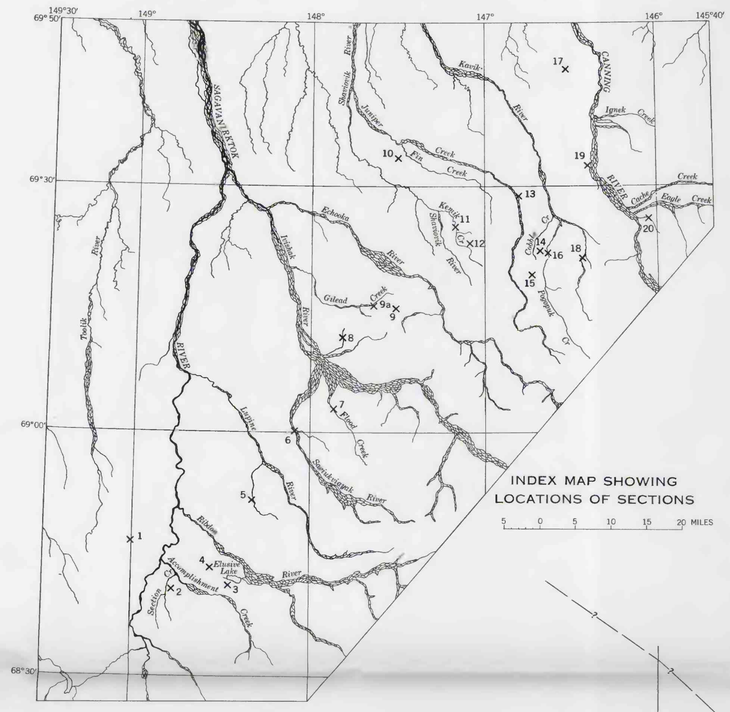

EXPLANATION

- Conglomerate
- Sandstone
- Siltstone
- Silicified siltstone
- Chert
- Limestone
- Cherty limestone
- Tuff
- Bentonite
- Shale
- Limy shale
- Coal
- Carbonaceous material
- Concretions
- Phosphate

MES 22766 — USGS Mesozoic locality

15820 — USGS Paleozoic locality

52 AKe 23 — Field sample

FEET
0
2000
4000
6000
8000
10,000

NANUSHUK GROUP

Ninuluk formation (Upper Cretaceous)

Killik tongue of Chandler formation (Lower Cretaceous)

Tuktu formation (Lower Cretaceous)

Torok formation (Lower Cretaceous)

Thickness unknown (probably exceeds 6000 feet)

Okpikruak formation (Lower Cretaceous)

Fault

Okpikruak formation (Lower Cretaceous)

Fortress Mountain formation (Lower Cretaceous)

Torok and Fortress Mountain formations missing east of section 8, probably owing to progressive overlap of rocks of middle Albian age on older rocks northeastward

Okpikruak formation missing locally in southwest part of mapped area owing to erosion during the Hauterivian, Barremian, and Aptian(?) stages

Younger Jurassic rocks overlap older Jurassic rocks southwestward. Major southward overlap may have been complicated by embayments locally preserving Lower Jurassic rocks in localities between sections 5 and 6. Tiglukpuk formation intertongues with the Kingak shale in the area between sections 5 and 6

Tiglukpuk formation (Upper Jurassic)

Generalized composite

MES 22768

MES 22766

MES 22769

Kingak shale (Upper Jurassic)

MES 22745

MES 22764

MES 23589

Shublik formation (Triassic)

1800 ± feet

2150 ± feet

Sadlerochit formation

51 AKe 104A

Ivishak member (Triassic)

Echooka member (Permian)

15814

Lisburne group (Mississippian)

Ignek formation, lower member (Lower and Upper Cretaceous)

Ignek formation, upper member (Upper Cretaceous)

Sequence shown represents a generalized composite section of indefinite thickness

MES 24112

Ignek formation, lower member thins toward the Canning River owing to either post-lower-member erosion or to progressive overlap of younger lower member rocks on older lower member rocks

Sagavanirktok formation (Tertiary)

Okpikruak formation (Lower Cretaceous)

Kemik sandstone member

MES 22757

24008

24009

Kemik sandstone member probably not deposited east of the Kavik or west of the Echooka River

Okpikruak formation missing on Canning River owing to erosion during the Hauterivian, Barremian, Aptian, and early Albian stages

Kingak shale (Lower, Middle, and Upper Jurassic)

Thickness indefinite (interval shown considered to be maximum)

Shublik formation (Triassic)

MES 23591

Ivishak member (Triassic)

Sadlerochit formation

Echooka member (Permian)

15826

15806

Lisburne group (Mississippian)

15820

15819

24048, 24047, 24046

24045 24044

24043 24042

MES

Fault

52 AKe 23

52 AKe 22

15828

Ignek formation, lower member (Lower and Upper Cretaceous)

24018, 24019

24016, 24017

24015

24014

MES

Kingak shale (Lower, Middle, and Upper Jurassic)

Thickness indefinite (probably exceeds 5000 feet)