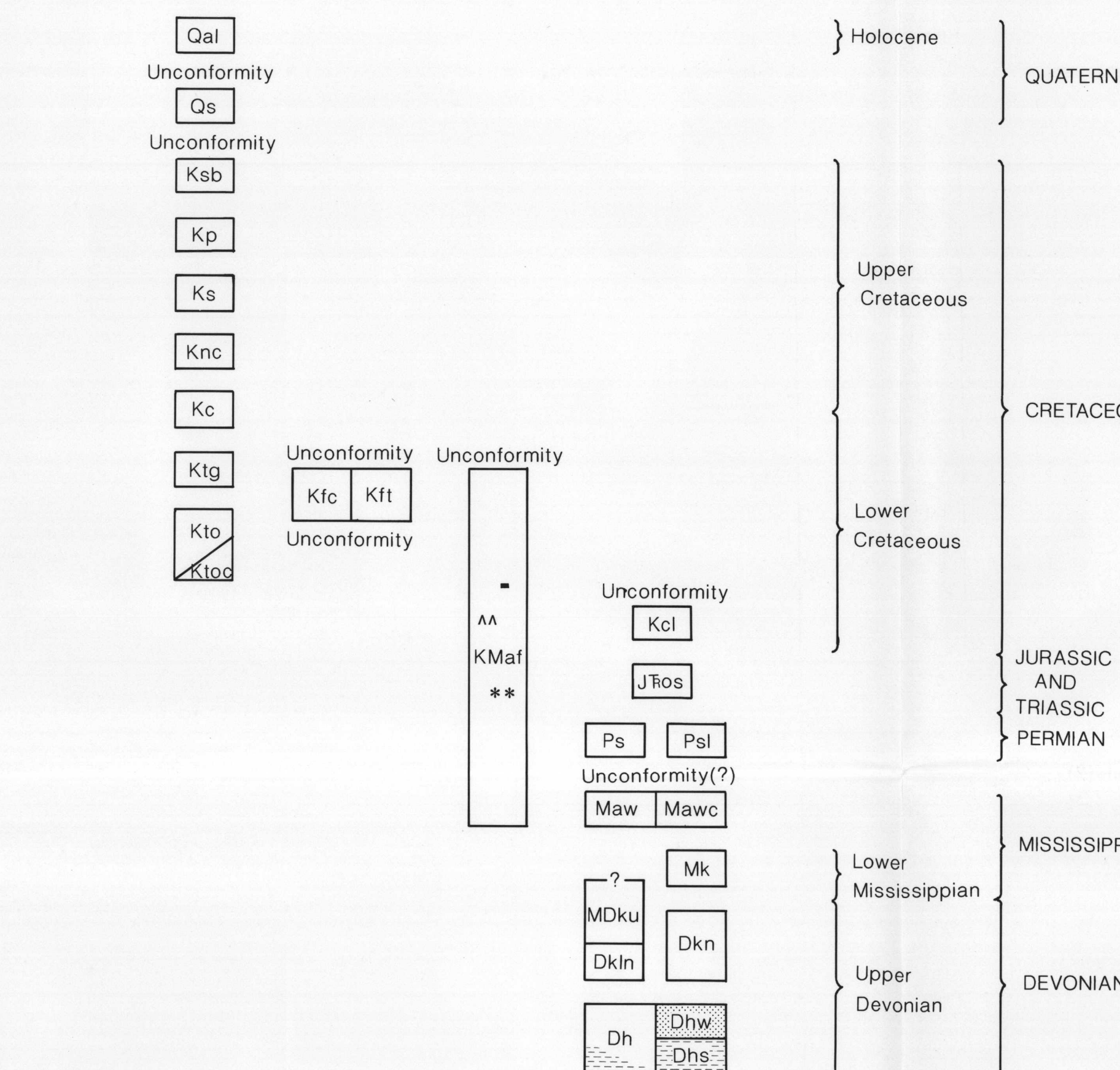




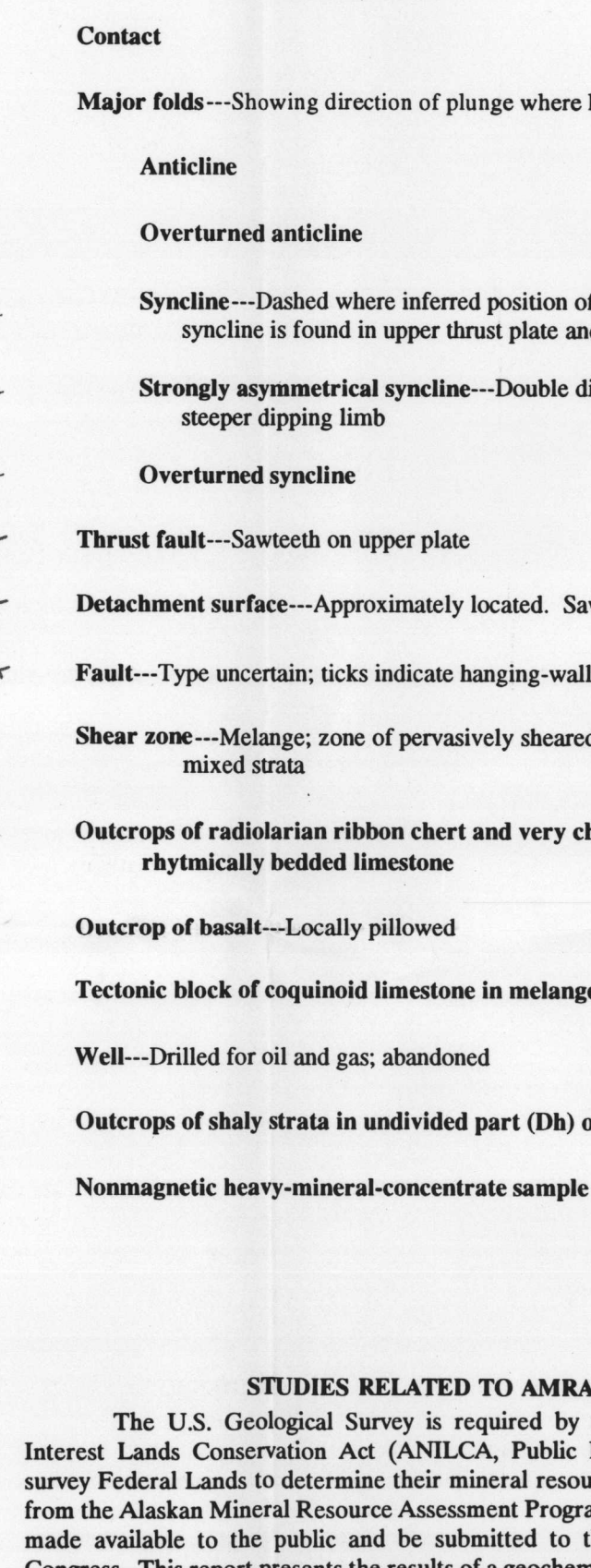
CORRELATION OF MAP UNITS



LIST OF MAP UNITS

- Oal Alluvium (Holocene)
Qs Schriber Bluff Formation (Upper Cretaceous)
Kp Prince Creek Formation (Upper Cretaceous)
Ks Sabers Formation (Upper Cretaceous)
Knc Nainok and Chandler (part) Formations, undivided (Upper Cretaceous)
Kc Chandler Formation (part) (Upper and Lower Cretaceous)
Ktg Tuktu and Grandstand Formations, undivided (Lower Cretaceous)
Kfcm Fortness Mountain Formation (restricted) (Lower Cretaceous)
Kfcs Conglomerate and sandstone unit (Lower Cretaceous)
Kfct Turbidite sandstone and conglomerate unit (Lower Cretaceous)
Kto Torok Formation (Lower Cretaceous)
Kkoc Cobblestone sandstone unit (Lower Cretaceous)
KMa Arctic Foothills assemblage (Lower Cretaceous to Mississippian)
Kcl Coquindim limestone unit (Lower Cretaceous; Valanginian)
Jtos Otuk (Jurassic and Triassic) and Shublik (Triassic) Formations, undivided
Ps Siksikpak Formation of Mull and others (1987)(Permian)
Pd Saldorochi Group (Permian)
Li Librose Group (Mississippian)
Maw Alapah and Wachumth Limestones, undivided (Mississippian)
Mwc Chert facies
Mk Kayak Shale (Lower Mississippian)
MDku Kanayut Conglomerate (upper part) (Lower Mississippian? and Upper Devonian)
MDkn Kanayut Conglomerate (lower part) and Nostak Sandstone, undivided (Upper Devonian)
Dh Hunt Fork Shale (Upper Devonian)
Dhw Wacke member
Dhs Shale member

EXPLANATION



GENERALIZED GEOLOGY AND SAMPLE LOCALITIES

Table 1. Statistical summary of nonmagnetic heavy-mineral concentrates...
Table 2. Factor loadings for the first five factors of nonmagnetic heavy-mineral-concentrate data...
Table 3. Concentrations of selected elements in rock samples...

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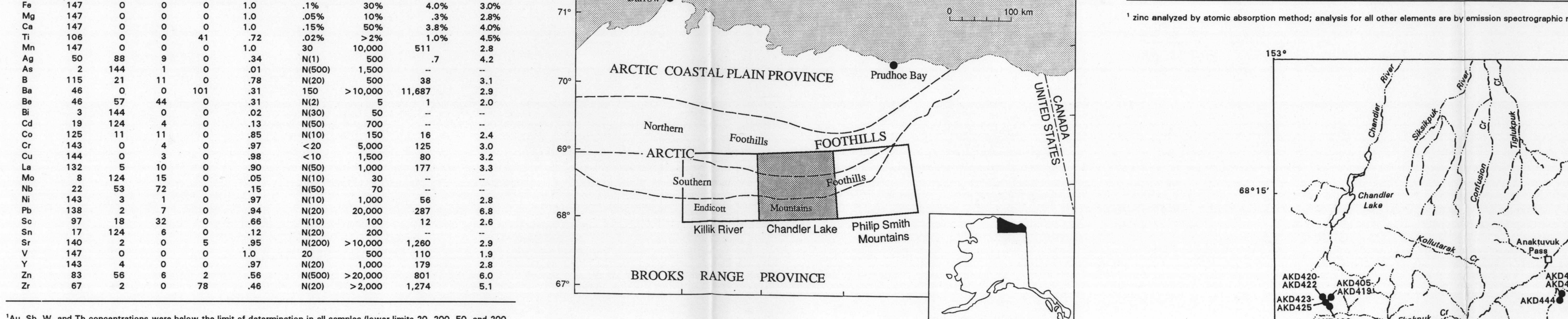


Figure 1. Index map of the central and eastern Brooks Range showing location of the Chandler Lake quadrangle, Alaska.

GENERALIZED GEOLOGY AND SAMPLE LOCALITIES

Table 4. Concentrations of selected elements in rock samples...
Table 5. Factor loadings for the first five factors of nonmagnetic heavy-mineral-concentrate data...

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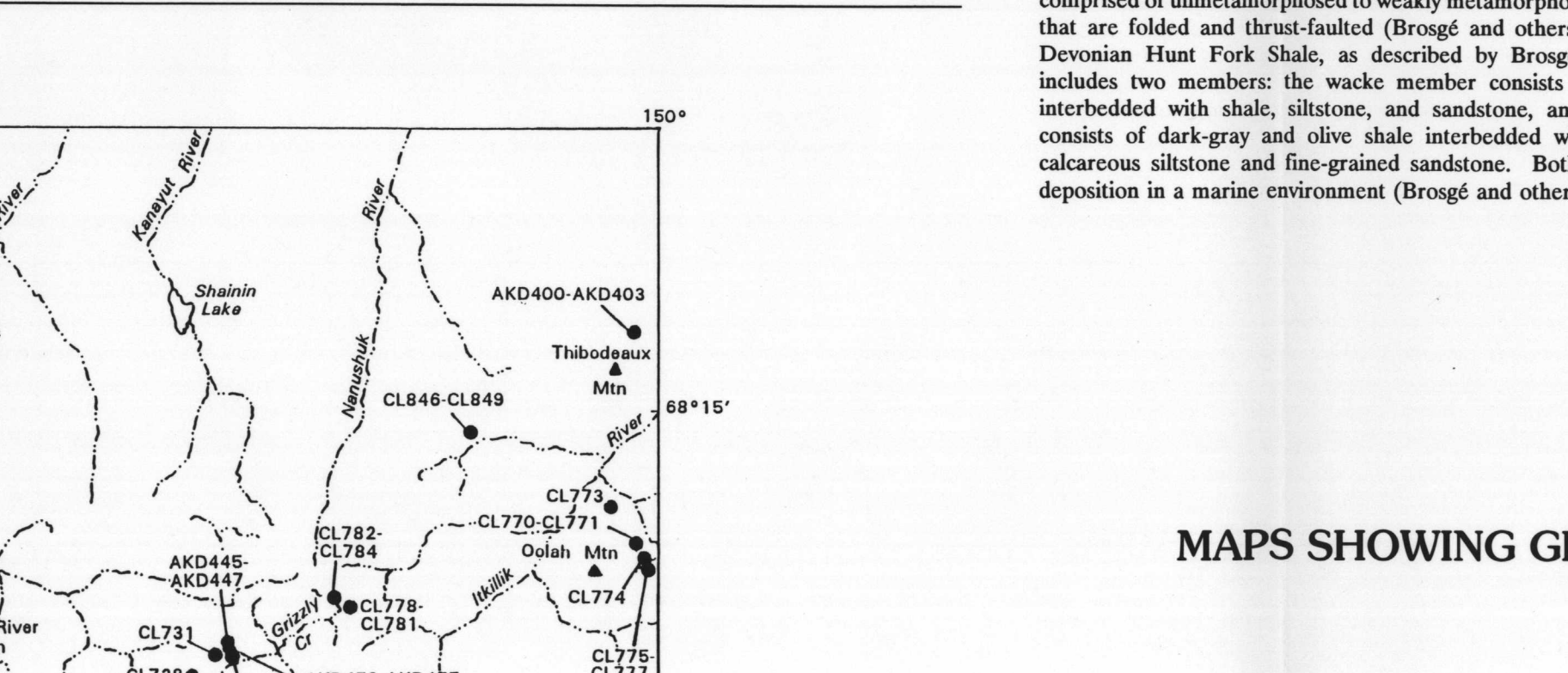


Figure 2. Index map of the southern part of the Chandler Lake quadrangle, Alaska.

GEOCHEMICAL AND MINERALOGICAL DATA FROM AREA 1...
The Hunt Fork Shale and overlying by the marine Notak Sandstone...
The Fortness Mountain Formation is a complex sequence of a south- or southwestward-prograding deltaic complex...

Overlying the Kanayut Conglomerate are fossiliferous marine strata of the Lower Mississippian Kayak Shale...
The Permian Saldorochi Group is a complex sequence of a south- or southwestward-prograding deltaic complex...

Overlying the Siksikpak Formation is the Lower Triassic to Middle Jurassic Otuk Formation...
The northern Otuk Formation contains finely bedded sandstones and shales...
The southern Otuk Formation contains sandstones and shales...

Overlying the Saldorochi Group is the Permian and Triassic Librose Group...
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Grizzly Creek Area...
Oolah Mountain Area...
CONCLUSIONS...
REFERENCES CITED...
INDEX MAP SHOWING LOCALITIES OF ROCK SAMPLES LISTED IN TABLE 3