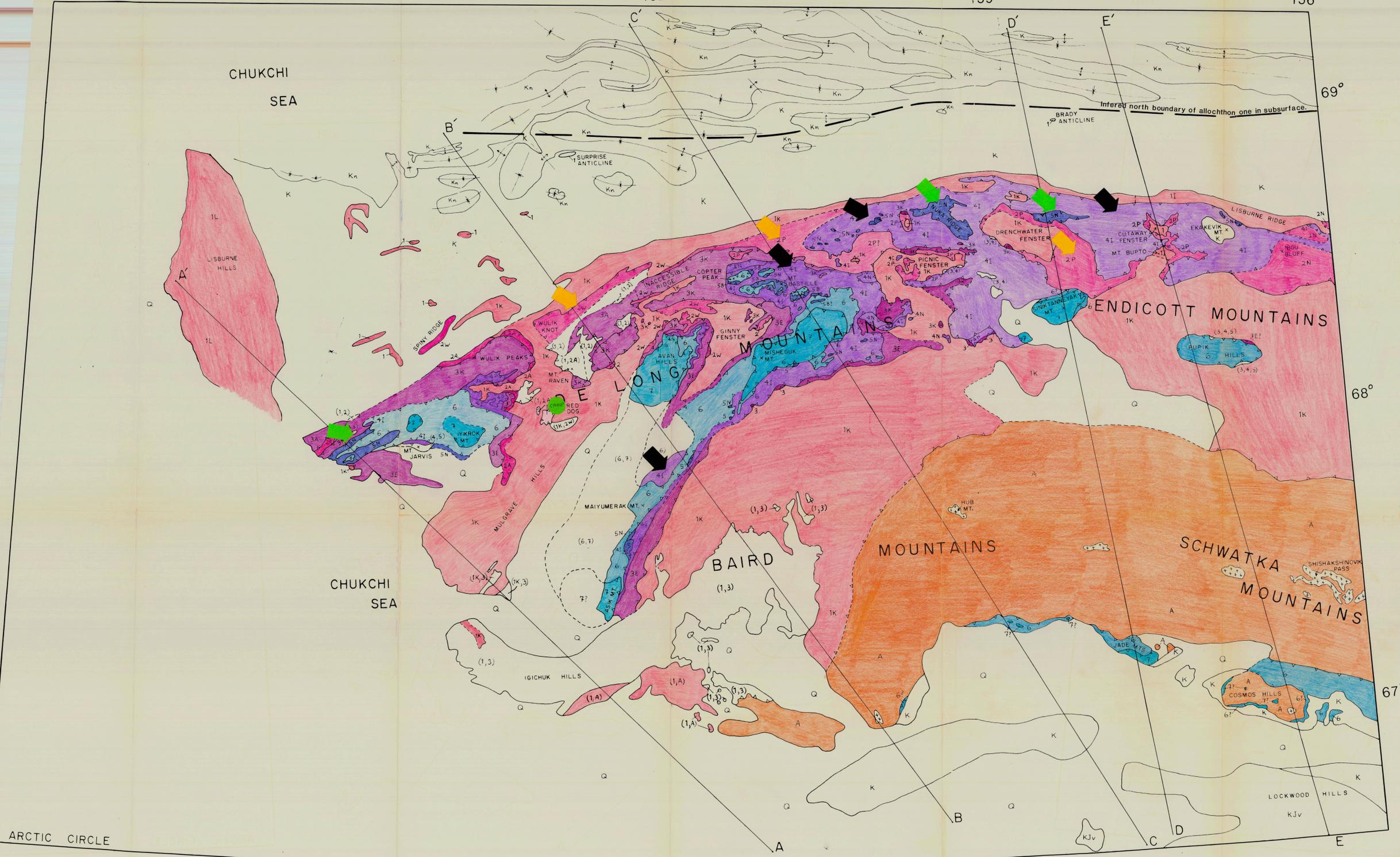


167° 165° 162° 159° 156°

CHUKCHI SEA



LEGEND

K, Kn - (north of Brooks Range)
Cretaceous sandstone and shale deposited during and after major thrusting event.

K, KJv - (south of the Brooks Range)
Lower and Upper Cretaceous sandstone and shale (K) or Lower Cretaceous and Upper Jurassic (?) andesite rocks (KJv).

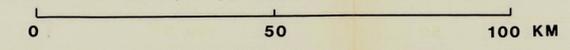
ALLOCTHONS AND SEQUENCES:

- (7) Misheguk Mountain Allocthon
Misheguk Igneous Sequence
- (6) Copter Peak Allocthon
Copter Igneous Sequence
- (5) Nuka Ridge Allocthon
5N - Bogie Sequence
5B - Bastille Sequence
- (4) Ilnavik River Allocthon
4I - Ilnavik Sequence
4N - Nachralik Pass Sequence
4P - Puzzle Creek Sequence
- (3) Kelly River Allocthon
3A - Amphitheatre Sequence
3E - Eli Sequence
3K - Kelly Sequence
- (2) Picnic Creek Allocthon
2A - Amaruk Sequence
2N - Nigu Sequence
2P - Picnic Sequence
2W - Wulik Sequence
- (1) Brooks Range Allocthon
1I - Ivotuk Sequence
1K - Key Creek Sequence
1L - Lisburne Hills Sequence

SCHWATKA MOUNTAINS PROVINCE:

Schwatka Sequence - metamorphosed sedimentary and igneous rocks considered autochthonous or parautochthonous. Protolith is Paleozoic to Precambrian. Regional metamorphism is Cretaceous.

STRUCTURAL GEOLOGY OF THE WESTERN BROOKS RANGE



After Mayfield, Tailleux and Ellersieck (1983)
USGS Open File Report 83-779


 Amoco Production Company
 Denver Region
 NORTHERN DIVISION
Structural Geology,
Western Brooks Range
Alaska

By: Valerie Krass Date: Sept. 1986
 Scale: 1:500,000 Encl. No. 2

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