153°00'
150°00'
147°00'
64°00'
63°00'
62°00'
MCGRATH
TALKEETNA
TALKEETNA MTS.
FAIRBANKS
HEALY
HINES CREEK STRAND
MCKINLEY STRAND
KANTISHNA AREA
MT. MCKINLEY
KANTISHNA RIVER
LAKE MINCHUMINA
Yukon Crystalline Terrain (Complex)
DALL FAULT
CHULITNA AREA
YENTNA "DISTRICT"

EXPLANATION

Q — Surficial Deposits

Tv — Intermediate - acid volcanics

uTc — Nenana Gravel

mTc — Lignite Creek Formation

Tcb — Coal-bearing beds

Tcnt — Cantwell Formation

KV — Basaltic Volcanics

KJ — Graywacke-Argillite

Tkv — Basaltic Volcanics

P Tr — Red beds, limestone Volcanics of Chulitna region

PTrV — Basaltic Volcanics

MUPz — Sedimentary rocks, undivided.

PzV — Volcanics, undivided.

LPz — Sedimentary rocks, undivided.

QUATERNARY / TERTIARY / MESOZOIC / PALEOZOIC

IGNEOUS (PLUTONIC) ROCKS

Tg — Granodiorite - granite (Includes Foraker series)

Tkg — Granodiorite - granite (Includes McKinley - Yentna series).

Jg — Granodiorite - granite

Mzum / Pzum — Ultramafic rocks

TERTIARY / MESOZOIC / PALEOZOIC

METAMORPHIC ROCKS

MDSs — Schist, phyllite, argillite, metarhyolite and tuff. (Includes Totatlanika and Keevy Peak formations).

Pzpes — Schist, phyllite (Includes Birch Creek Schist).

PALEOZOIC / PRECAMBRIAN (?)

Fault

Intruded Fault

Approximate Withdrawal Boundary

Modified from Beikman, 1974, A & B

STRUCTURAL INDEX MAP

ALASKA

McKinley Area

YUKON

TINTINA FAULT

YUKON CRYSTALLINE COMPLEX

HINES CREEK STRAND

McKINLEY STRAND

DENALI

PENNSYLVANIAN (?) BASEMENT

OLDER BASEMENT

SHAKWAK FAULT

0 200 MILES

Modified After Templeman-Kluit, 1976

1" 0 16 32 MILES

FIGURE 2- Generalized geologic map of Mt. McKinley area and vicinity with general structural index map