U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE 3

COLUMNAR SECTIONS AND CORRELATION CHART MT. ILIAMNA REGION

This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.

EOCENE

UPPER JURASSIC

MIDDLE JURASSIC

LOWER JURASSIC (Jv)

Kenai Formation (Tk)

NaKneK Formation
- Upper NaKneK member (Jnu)
- Lower NaKneK member (Jnl)
- ChisiK conglomerate member (Jnc)

Chinitna Formation (Jc)

Tuxedni Group
- Inis Kin Formation (Jti)
  - Tidal Creek Siltstone member (Jtit)
  - Castle Falls Member (Jtic)
  - Bowser Member (Jtib)
- Red Glacier Formation (Jtr)

Jv

West Side ChisiK Island

Tuxedni Bay South Shore

Red Glacier South Side

Red Glacier North Side

Chinitna Bay North Shore

Chinitna Bay South Shore

Oil Bay East Side

Oil Bay Portage Creek

Hardy Creek

IBA Well

Inis Kin Bay

concealed

fault

scale—one inch equals 1000 feet

EXPLANATION

- Calcareous layers
- Conglomerate
- Graywacke, arkose in Naknek formation
- Siltstone
- Concretions
- Fossil shell layers
- Thickly bedded — Siltstone and sandstone
- Thinly bedded — Siltstone and sandstone
- Ash
- Volcanic tuff or tuff breccia