TRUE NORTH

R I V E R

K I A G I A K

BASALT

OIL SHALE

CASTLE MTN.

BITUMINOUS LS.

BASALT

BASALT

K1

OIL SHALE

BITUMINOUS LS.

OIL SHALE

△10
3339'

△9
3230'

3626

△7
3547'

△6
3619'

△4
3192'

△5
3339'

△3
3212'

△2
3585

△1
3225'

CHANDLER LAKE

△18
2211'

△20
1984'

△19A
1957'

△17A
1475'

△19
2630'

△16A
2247'

△17
2543

△15
2015'

1868
△14
60

2401'
△13

△12
3677'

3063'
△11

△8

△8A

C1

Cn

D L E R I V E R

C H A N

EXPLANATION

UPPER CRETACEOUS

a / a — FORMATION A
MARINE SANDSTONE, FOSSILIFEROUS

LOWER CRETACEOUS

K1 / K1 — CONGLOMERATE, SANDSTONE, SHALE, AND CLAY IRONSTONE, LOCALLY CARBONACEOUS

TRIASSIC

Tr / Tr — CHERT, LIMESTONE, BITUMINOUS LIMESTONE, AND OIL SHALE, LOCALLY FOSSILIFEROUS

MISSISSIPPIAN

C1 / C1 — LISBURNE FORMATION
LIMESTONE AND CHERT

Cn / Cn — NOATAK FORMATION
QUARTZITIC CONGLOMERATE, AND QUARTZITE

ANTICLINE — SYNCLINE
FOLD AXES

39 — OVERTHRUST FAULT

30 NORMAL — ⊕ HORIZONTAL
ATTITUDE OF BEDDING

LAKES

1000'
△
TRIANGULATION STATION AND ELEVATION

LS. = LIMESTONE

ELEVATIONS BASED ON W.T. FORAN'S ASSUMED ELEVATION OF 1173 FEET FOR MT. UMIAT

FIGURE 3

GEOLOGIC MAP
OF PART OF THE
VALLEY OF THE CHANDLER RIVER

SCALE 1/60,000

5,000 0 5,000 10,000 15,000 Feet

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
NOVEMBER 1945

SHEET 1