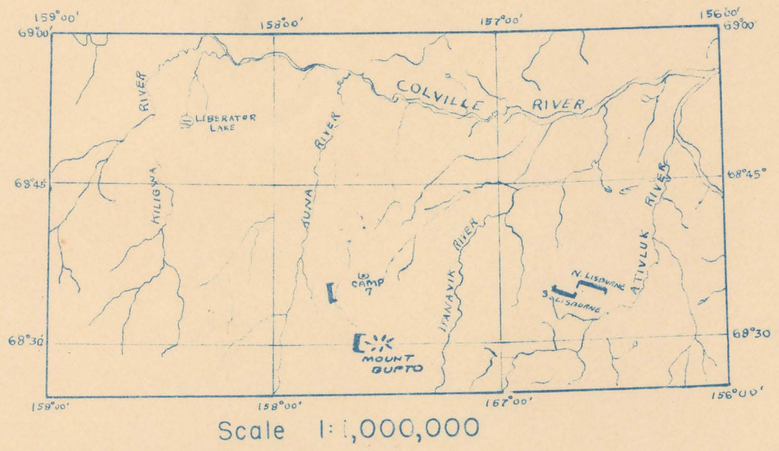
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE NO. 4 - PRELIMINARY REPORT NO. 34

INDEX MAP



Scale 1:1,000,000

EXPLANATION

Chert

Limestone

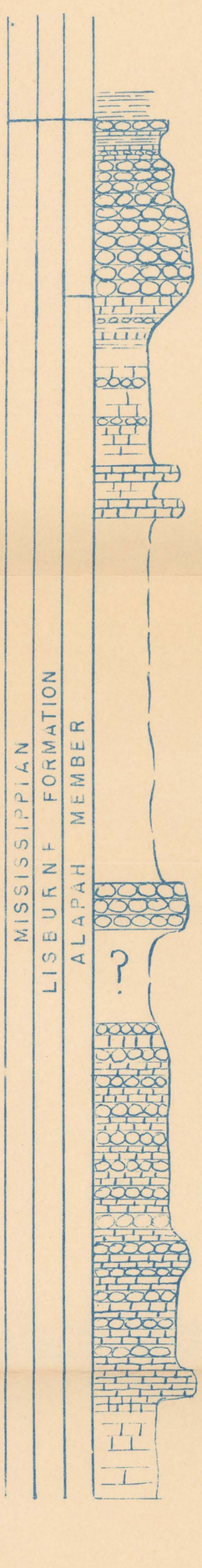
Dolomite

Dolomite, chert lenses

Shale

Sandstone

Scale 1" = 200'



MISSISSIPPIAN
LISBURNE FORMATION
ALAPAH MEMBER

690 ft

Red and green shales. (PERMIAN – CARBONIFEROUS)
Interbedded limestones, cherts and black shales

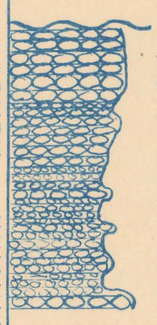
chert; black, bedded bleaches on weathering

? ? ?

Interbedded limestones, cherts, and black shales (Thicker section than above)

Talus cover. Some limestone; massive, light color. Cherts. Bioclastic limestone, compares to 9th zone Alapah at Kunayut lake.

MISSISSIPPIAN
LISBURNE FORMATION
KIRUKTAGIAK MEMBER



Southern Lisburne Ridge
400 ft.

chert; very massive bedded, black, brown, weathers lt. brown.
chert; even bedded, white weathering. Some shale, black, clay, carbonaceous, siderite concretions. Goniatites.
chert; black, even bedded, silicified, shaley in part, glassy, some banding. Petroliferous.

Mountain Bupto

650 ft.

Talus cover

? ? ?

Chert; massive bedded, black, dk weathering. Cap rock to underlying section.

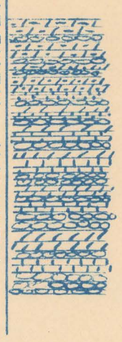
1070 ft.

Interbedded limestone and med.–dk. neutral chert. "Pagoda" type weathering

Limestone; bioclastic, black, weathers dk. neutral–yellow–red. Medium crystalline.

Float of limestone; massive bedded.

MISSISSIPPIAN
LISBURNE FORMATION
ALAPAH MEMBER



4 mi. Southwest of Camp No. 7
400 ft.

Interbedded limestone, dolomite, black chert.
Limestone; bioclastic steel blue, massive to bottom, absent at top.
Buff orange dolomites, sandy, black chert inclusions toward top. "Pagoda" type weathering. Black chert massive and bedded at bottom of section.

? ? ?

PENNSYLVANIAN — PERMIAN
TRIASSIC
SHUBLIK FORMATION

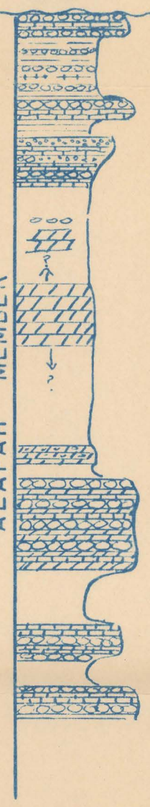
(Composite)
700 ft.

Chert, red, green, thin bedded Paper shales; black, pyritic concretions. Interbedded green chert. Red and green shale.
Chert; med. green, dull appearance

shale–clay, dk neut., Penn.–Permian microfossils
shale; dk red and green, Interbedded dk neutral cherts.
chert; bedded, dk neutral, black and massive towards bottom.

chert; massive, white weathering, red staining, black, glassy. Interbedded shaley limestone
cherts; dk red and green
shales, red and green Paleozoic micro-fauna.

MISSISSIPPIAN
LISBURNE FORMATION
ALAPAH MEMBER



Northern Lisburne Ridges
1030 ft.

Interbedded black limestone and chert.
Interbedded black l.s, shale and chert
Black chert; irregular bands of limestone
Zone of nodular phosphate [5th zone Kiruktagiak facies] 50ATr32(O.C.)
Float of dolomite, limestone and chert. 50ATr29 (P & P)
Dolomitic limestone; F-M crystalline massive bedded. Jointed, pores partially filled with asphalt. 50ATr3[illegible] (P & P)

Dolomitic limestone and chert. 50ATr31(P&P)
Interbedded limestone, dolomite and chert. "Pagoda" type weathering

Variably interbedded chert and limestone. dk. neutral color.

Compiled 1950
Irvin L. Tailleur
Bion H. Kent

CORRELATED COLUMNAR SECTIONS of PALEOZOIC ROCKS of the SOUTHERN FOOTHILLS SECTION between the ETIVLUK and the KILIGWA RIVERS, ALASKA