Geol. Memo. #152 Encl. #37

CF71 ~~1428~~ 0036

CVMS 92-00662797-040

NUCLEUS MOUNTAIN

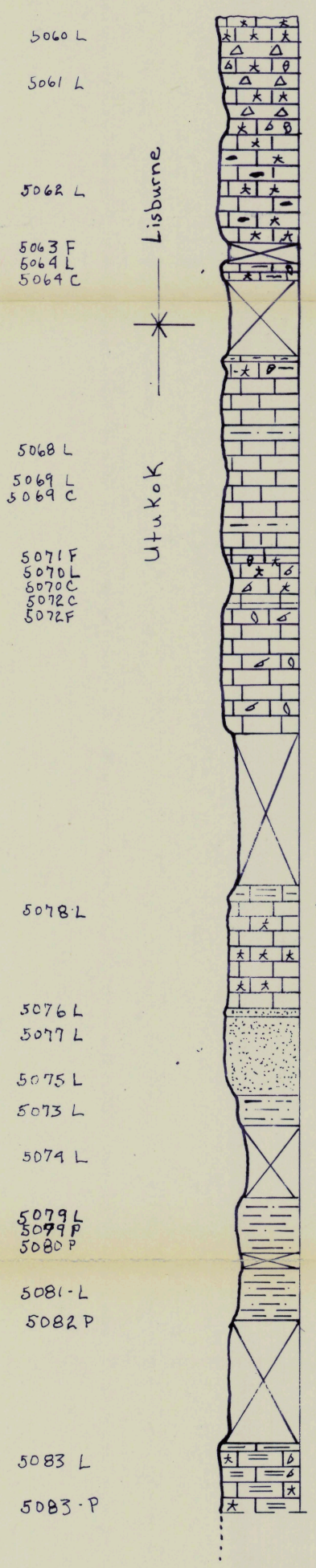
Brooks Range, Alaska

Misheguk Mtn Quad NE 1/4 T11S R36W

Interval: Utukok - lower Lisburne Fm

By: D. Mikesh, R. Rossetter

July 6, 1970



lith description

lt gry, mas lmst-pkst w/ abundant c crinoidal hash, wthrs gry, lower 4" w/ v c crinoid. debris cont. (lower) distinct + irreg.

alternating layers of blk irreg bdd chert (3-6" thk) and gry, m grn lmst. pkst (6-12" thk) fetid odor, crinoidal hash, occ sol corals + brachs lower 30" carb. are lmst-wkst/pkst w/chert

m gry m bdd, lmst-pkst w/ much m/c crinoidal hash minor blk chert lenses (< 5%); wthrs lt gry

covered

v thn bdd, m gry, v arg, lmst-wkst w/scattered crinoidal hash zones (< 5%) occ sol. corals ≈ 1/2" in diam biotURB. in horiz. plane

Covered: contact of Utukok and Lisburne probably faulted

Same as Ⓒ, bd slightly thk (1-4")

v thn bdd, m gry, lmst-mdst/wkst wthrs brn to yel brn; comminuted fos frag (< 30-40%) faint x lams, no visible bioturbation vy occ widely spaced sil. sltst layers w/x lams dk gry blk) 2-3" thk

v thn bdd, m gry, v arg, lmst-wkst w/scattered crinoidal hash zones, x lams, wthrs mottled blk/brn abundant fos (brachs, sol corals) and Taonurus trails

v thn bdd, gy blk, fos, lmst wkst/pkst fos include brachs + pelecy. wthrs yel. brn minor x lams Taonurus on bd. surf

Covered: talus suggests v arg. m gry v thn bdd lmst-wkst numerous Taonurus trails

arg lmst-wkst w/ Taonurus

v thn bdd lmst-wkst w/ thn x lams crinoidal hash layers sporadic burrows moderately numerous

dk gry qtz ss. homogen tite wthrs purplish brn lams in top 6" pos. burrows (2' thk)

gry thn bdd vf grn strongly calc qtz ss of shallow angle x-lams w/ vert. burrows tubular horiz burrows on wthrd surf occ (<10%) bas of aren lmst-wkst

m grn v thn bdd calc sltst; bd lams on wthrd surf. produces alternating blk + yel brn bands. arg. acc fos frags.

covered

Same as Ⓜ

covered

Ⓜ highly fract. blk clay sh; noncalc; minor slty zones wthrs dk gry: subord. int bds of blk thn bdd sil. sltst. homog. tite wthrs gry

Covered

dk gry v thn bdd, v arg. lmst-pkst crinoid stems + brachs wthrs yel brn