69-30

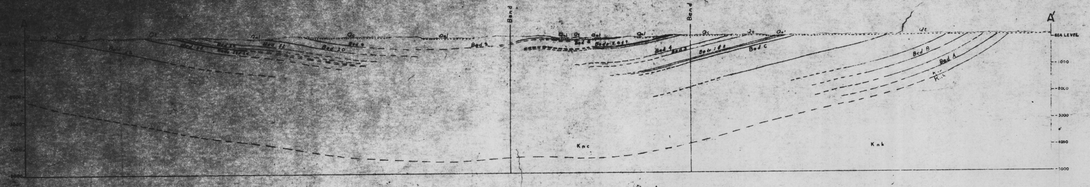
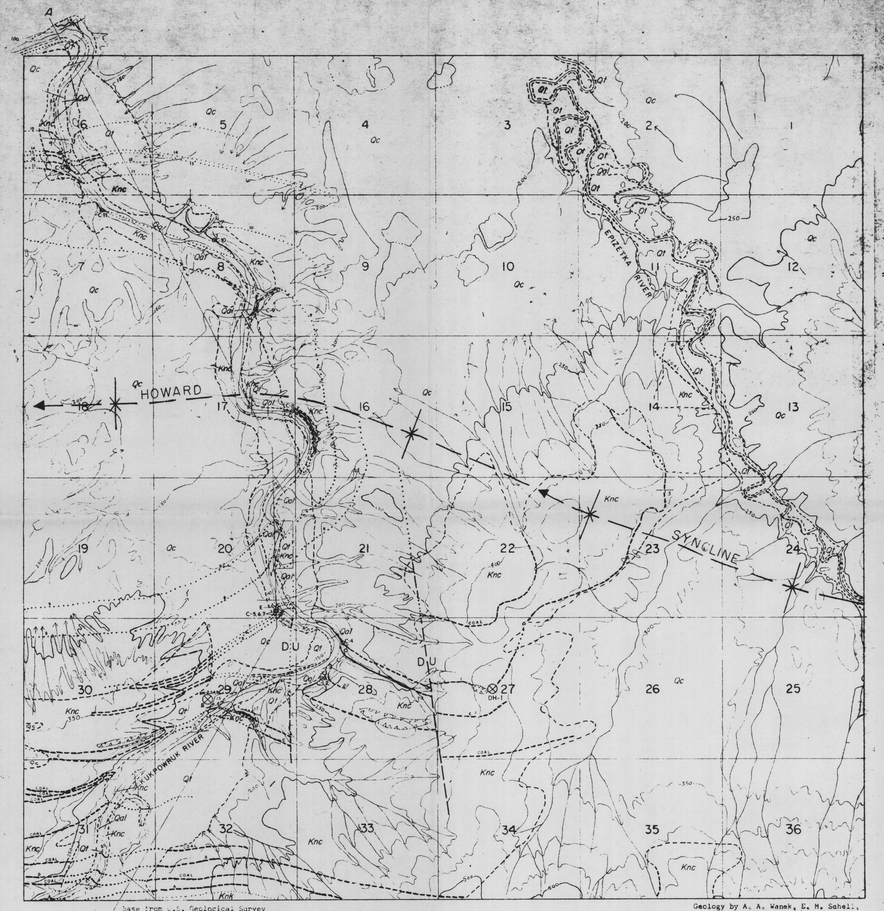


Fig. 3 CROSS SECTION ALONG A – A'



Base from U.S. Geological Survey
Point Lay (B-1) 1:63,360, 1955
and U.S. Corp Engrs. Army Map
Service Point Lay (B-2) 1:50,000

Geology by A. A. Wanek, E. M. Schell, H. D. Zeiler, J. E. Callahan, and W. L. Rohrer, 1966 and 1967

Fig. 2 – GEOLOGIC MAP AND COAL RESOURCES OF TOWNSHIP 1 SOUTH, RANGE 44 WEST, U.P.M., KUKPOWRUK COAL FIELD, ALASKA

1 MILE
5000 5000 FEET
CONTOUR INTERVAL 50 FEET

APPROXIMATE MEAN DECLINATION 1968

EXPLANATION

- Qal — Alluvium — Sand and gravel
- Qt — Stream terrace deposits
- Qc — Soil and colluvium
- Knc — Corwin Formation — Interbedded silty claystone or shale, siltstone, and very fine to medium grained sandstone with many coal beds as much as 22 feet thick. Ironstone is abundant, and conglomerate or conglomeratic sandstone is present in small quantities
- Kuk — Kukpowruk Formation — Interbedded fine-grained sandstone and claystone. The sandstone is thin bedded and irregularly bedded

QUATERNARY

Upper and Lower Cretaceous

Nanushuk Group

Lower Cretaceous

CRETACEOUS

Marker bed — Black fissile shale overlying coal bed 9. Dashed where approximately located; dotted where concealed

Coal bed — Dashed where approximately located or where location is based on coal float; dotted where concealed; queried where doubtful or inferred. Numerals or letters indicate bed numbers in text. This beds are designated "coal"

Clinkered area — Baked and fused rock

Contact approximately located

Fault — Dashed where approximately located; dotted where concealed or inferred. U, upthrown side; D, downthrown side

Axis of syncline

Strike and dip of beds

Measured coal section and sample locality — Circle may indicate both coal section and sample locality

DH-1 — Drill hole

Adit

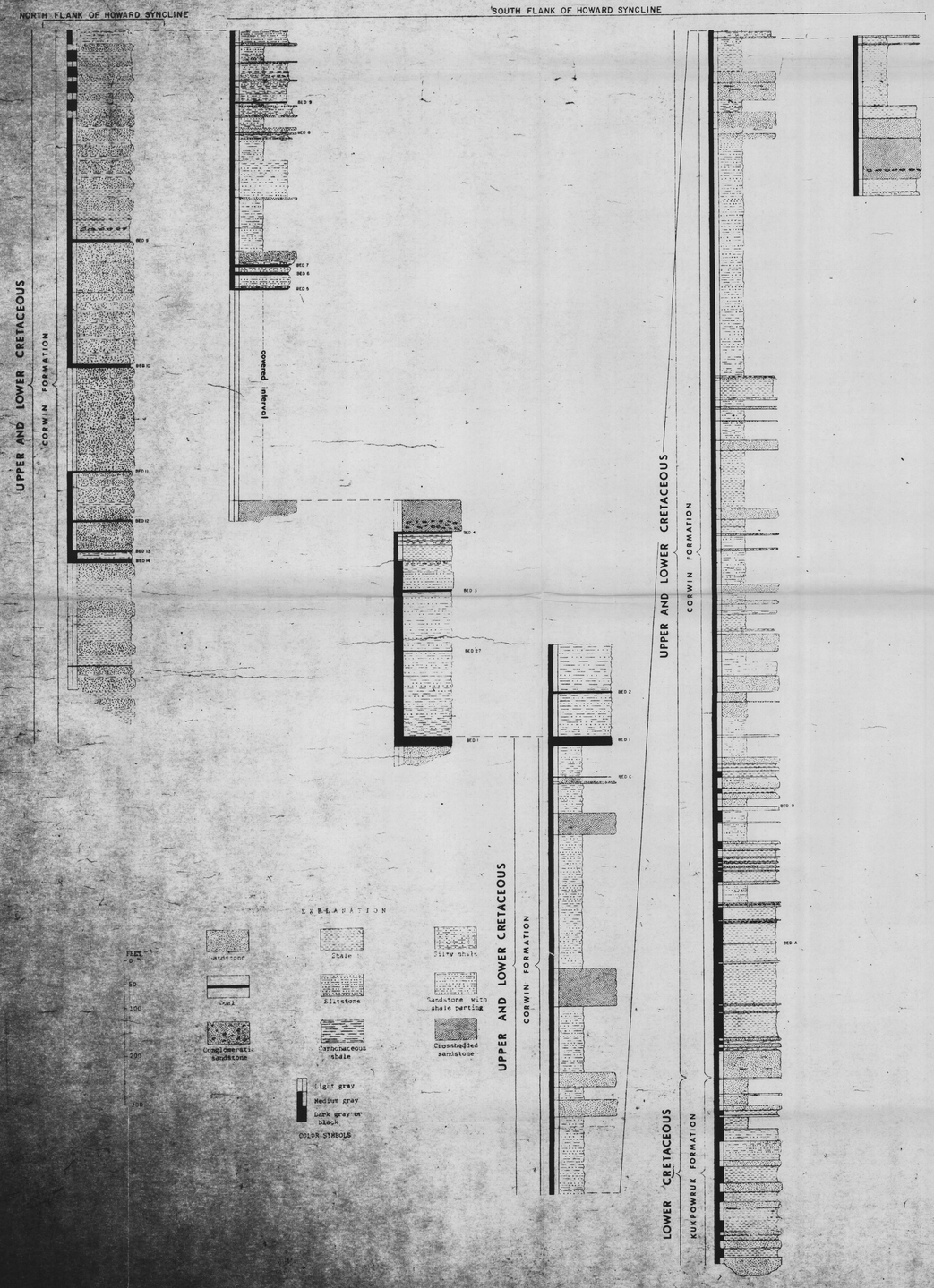


Fig. 4 STRATIGRAPHIC SECTIONS OF A PART OF THE CORWIN FORMATION ON THE HOWARD SYNCLINE ALONG KUKPOWRUK RIVER, NORTHERN ALASKA

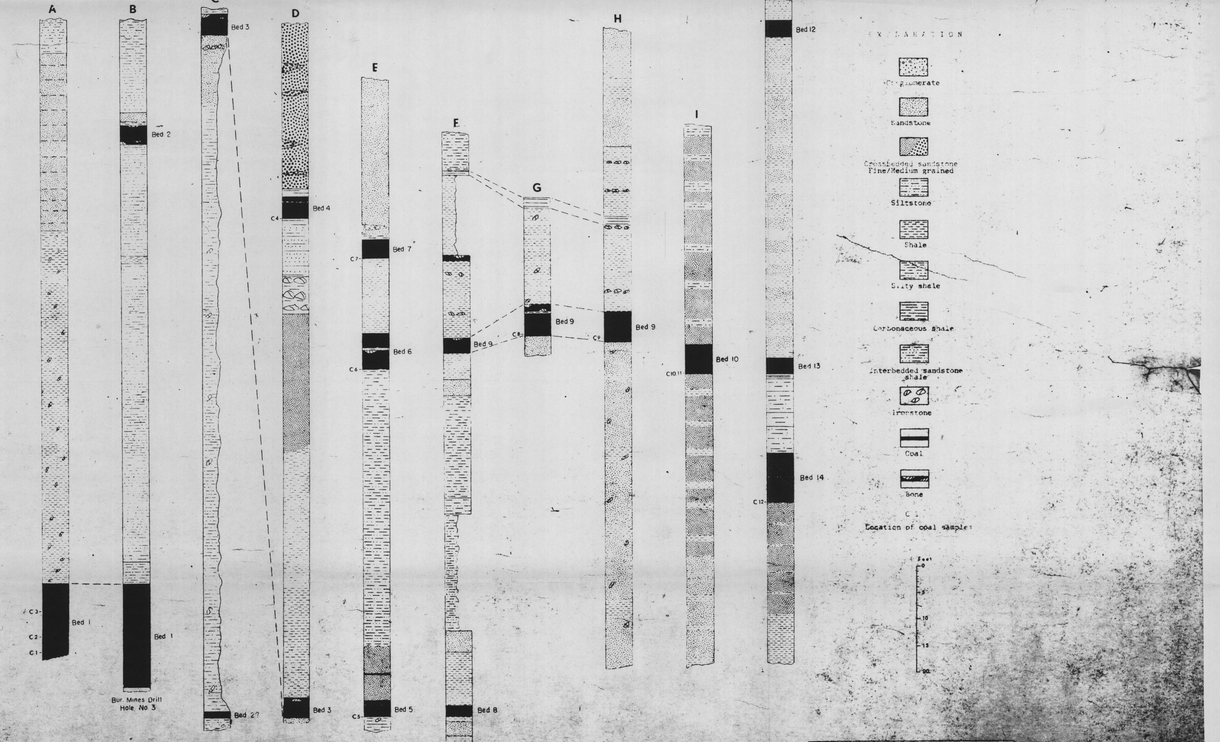


Fig. 5 COAL BEDS IN THE CORWIN FORMATION, HOWARD SYNCLINE, KUKPOWRUK RIVER, NORTHERN ALASKA

U. S. Geological Survey
Open File Report
This report is preliminary
and has not been reviewed for
conformity with Geological Survey
standards or nomenclature.

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