

EXPLANATION

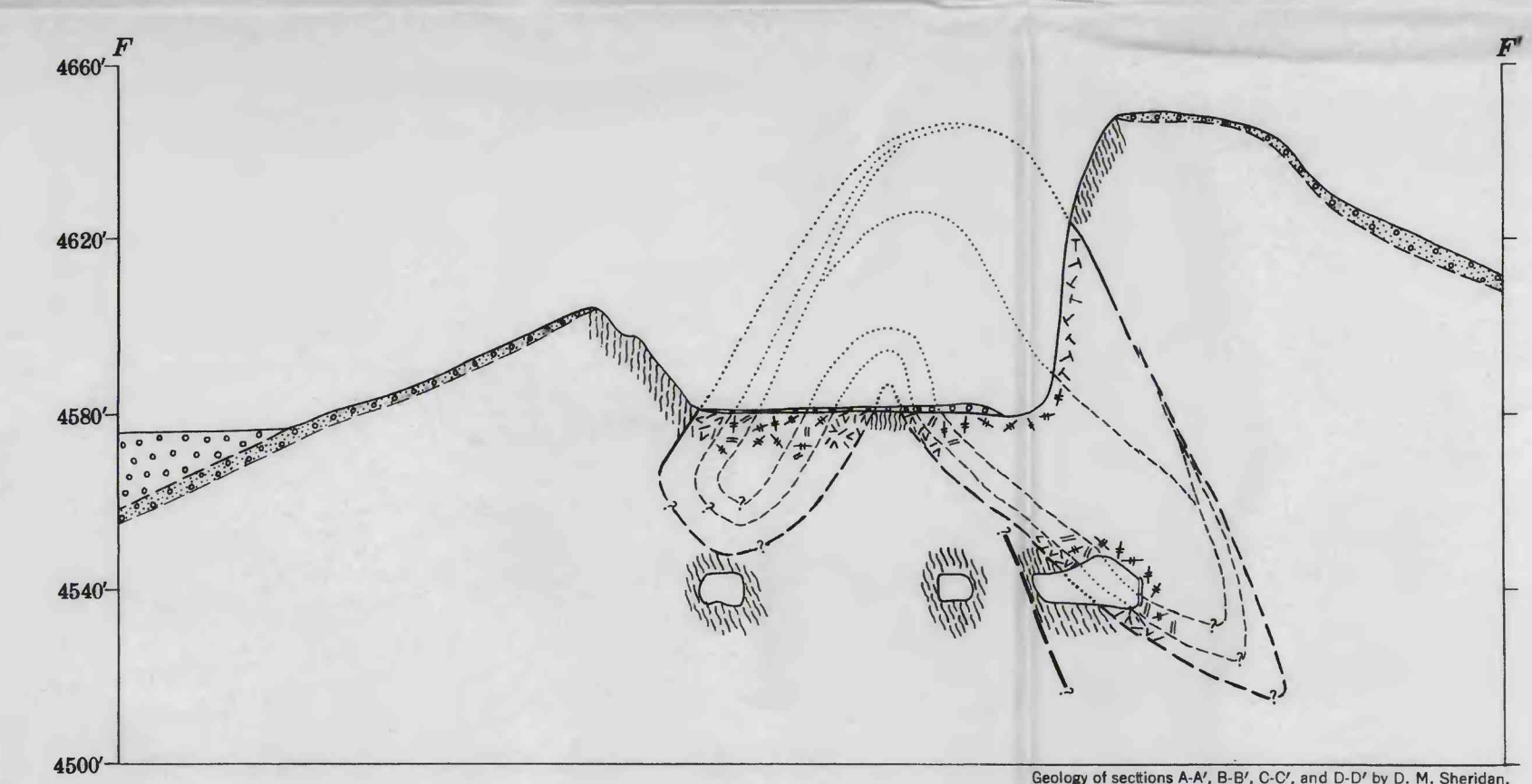
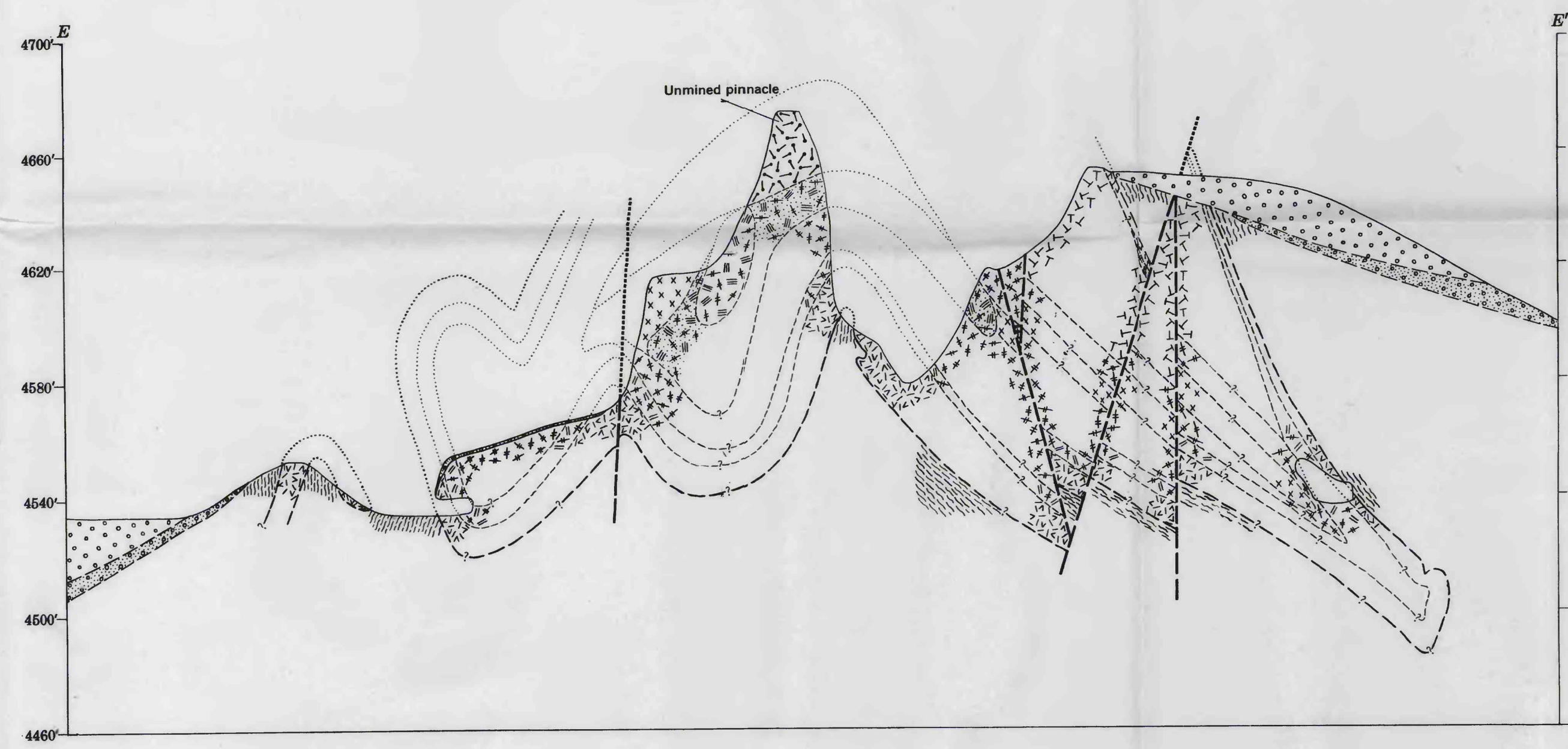
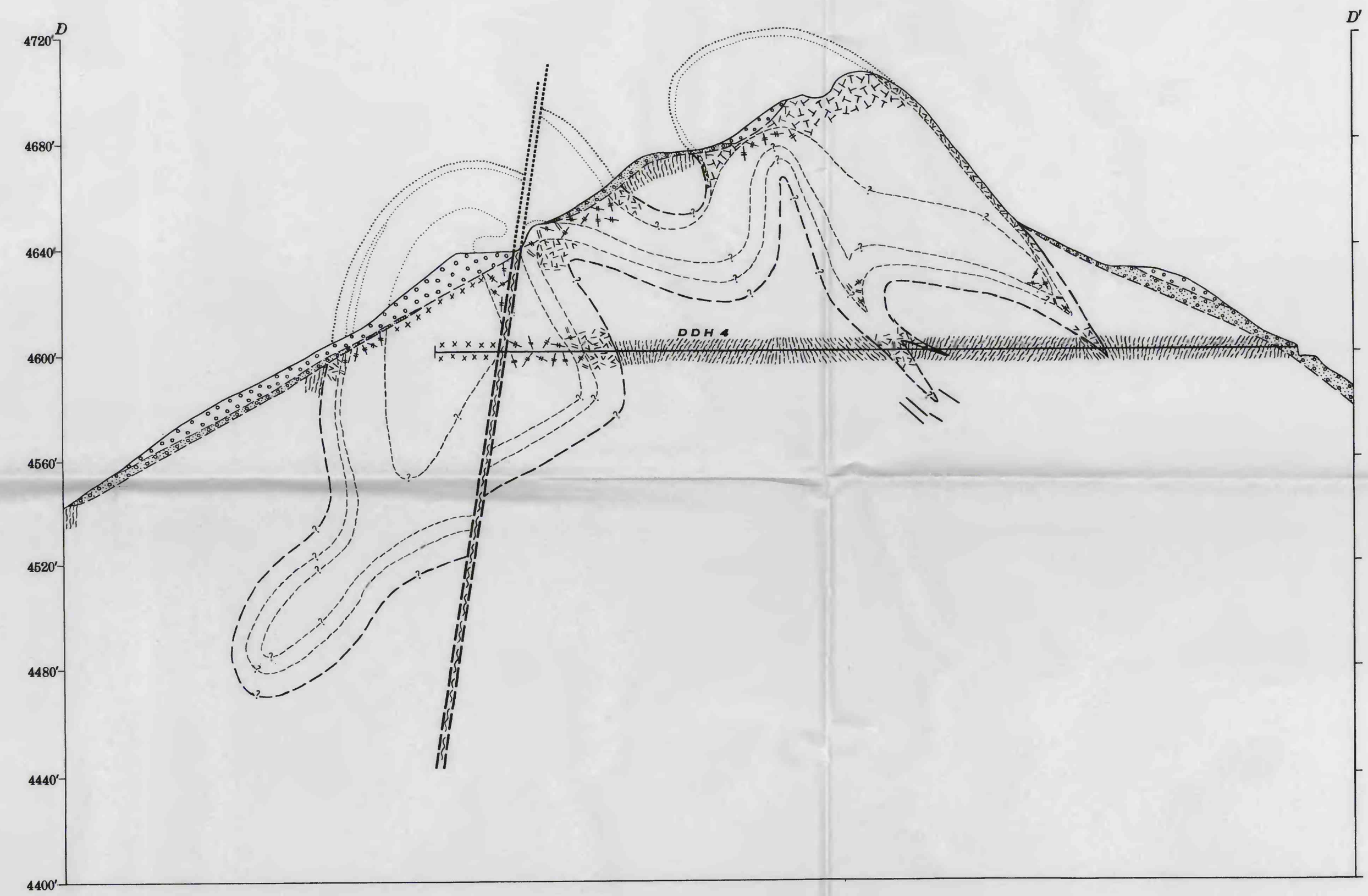
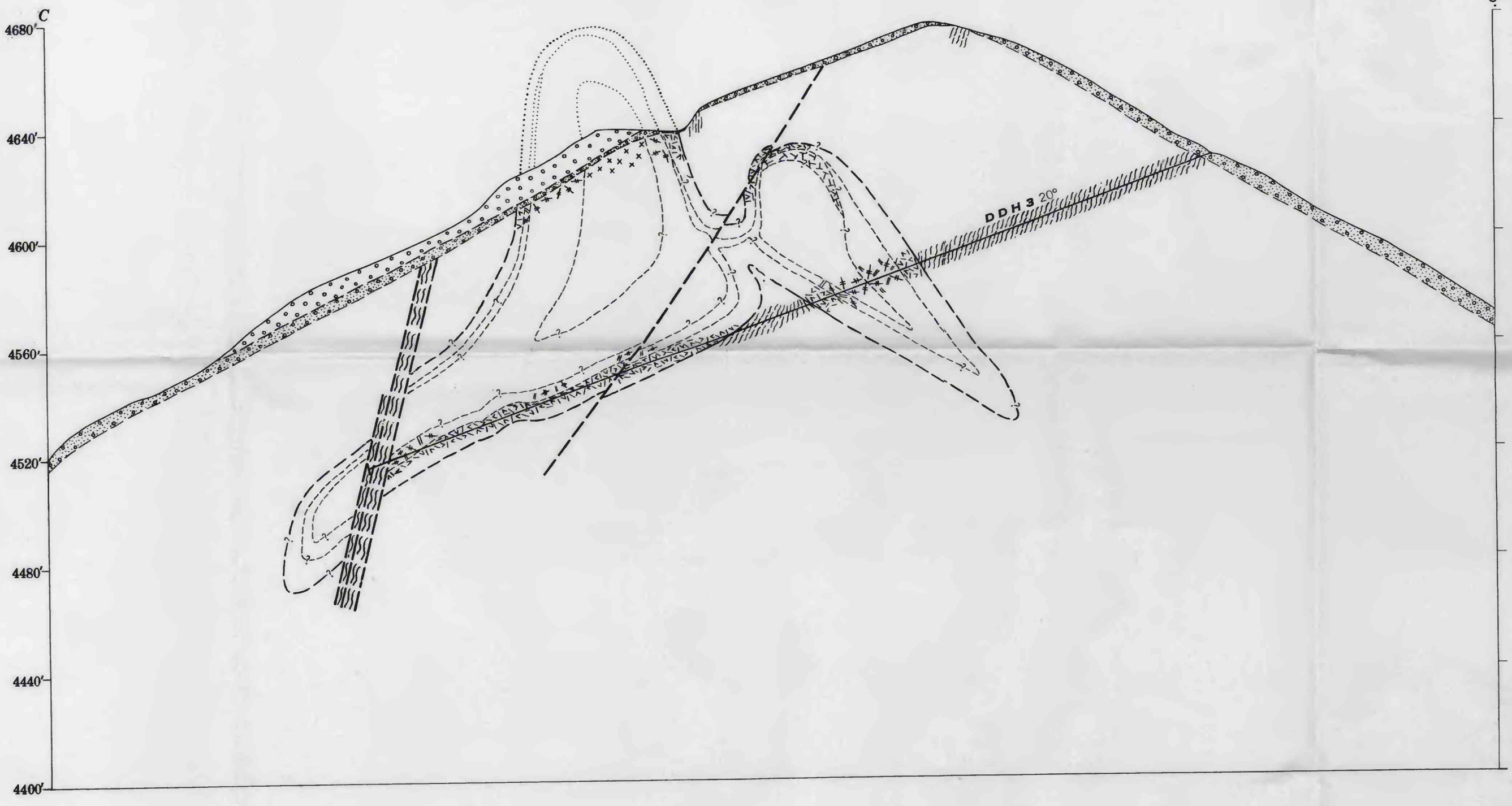
- Dump
- Overburden
- Lithia-mica-clevelandite pegmatite
Zone 7 (core)
- Lithia-mica-clevelandite-quartz pegmatite
Replacement unit
- Quartz pegmatite
Zone 6 (fourth intermediate zone)
- Quartz-muscovite pegmatite
Zone 5 (fourth intermediate zone)
- Clevelandite-quartz pegmatite
Zone 4 (third intermediate zone)
- Perthite-clevelandite-quartz pegmatite
Zone 3 (second intermediate zone)
- Clevelandite-quartz-muscovite pegmatite
Zone 2 (first intermediate zone)
- Albita-quartz-muscovite pegmatite
Zone 1 (wall zone)
- Quartz-mica schist

Note: Zone 1, a thin layer of quartz-muscovite-plagioclase pegmatite (barrier zone) occurs along the pegmatite contact but is not shown on the geologic sections.

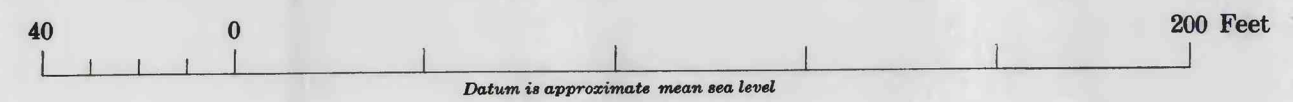
- Pegmatite contact
- Dashed where approximately located, queried where inferred
- Contact between pegmatite units
- Queried where inferred
- Restored contact

- Fault
- Approximately located; dotted where restored
- Fault zone

U. S. Bureau of Mines diamond-drill hole, showing inclination



GEOLOGIC SECTIONS, PEERLESS PEGMATITE, PENNINGTON COUNTY, SOUTH DAKOTA



Datum to approximate mean sea level

Geology of sections A-A', B-B', C-C', and D-D' by D. M. Sheridan, 1951; geology of sections E-E' and F-F' by H. G. Stephens, 1947-48, revised by D. M. Sheridan, 1951