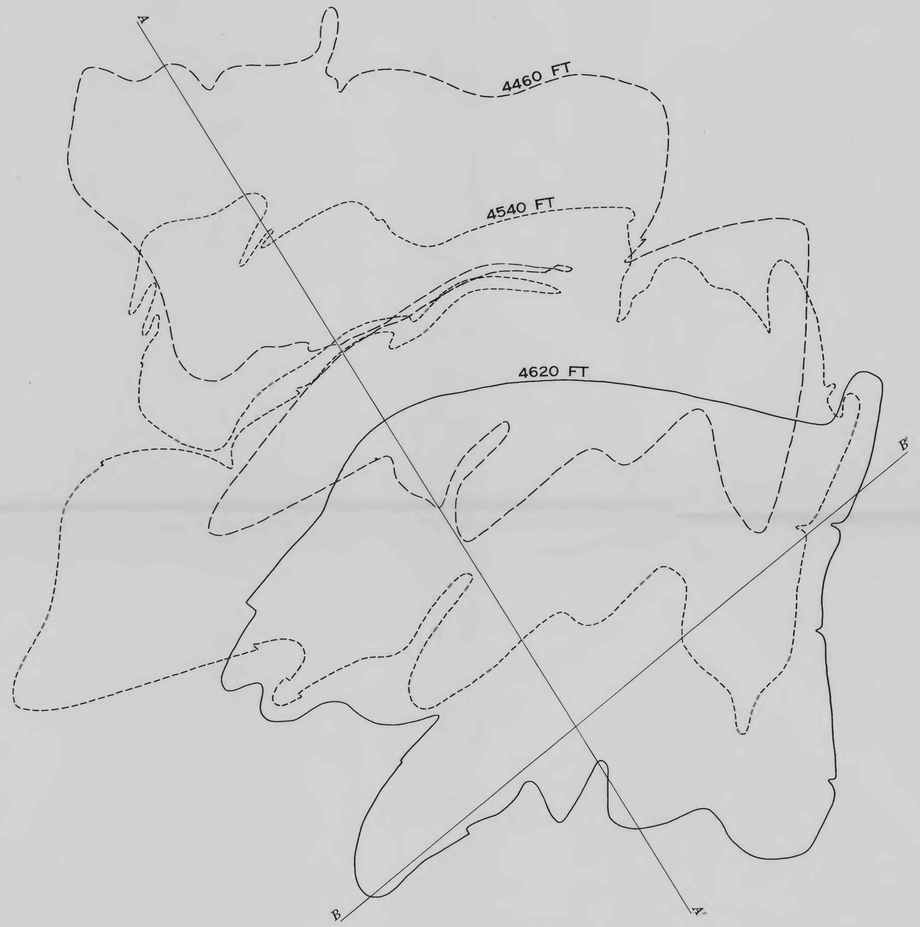
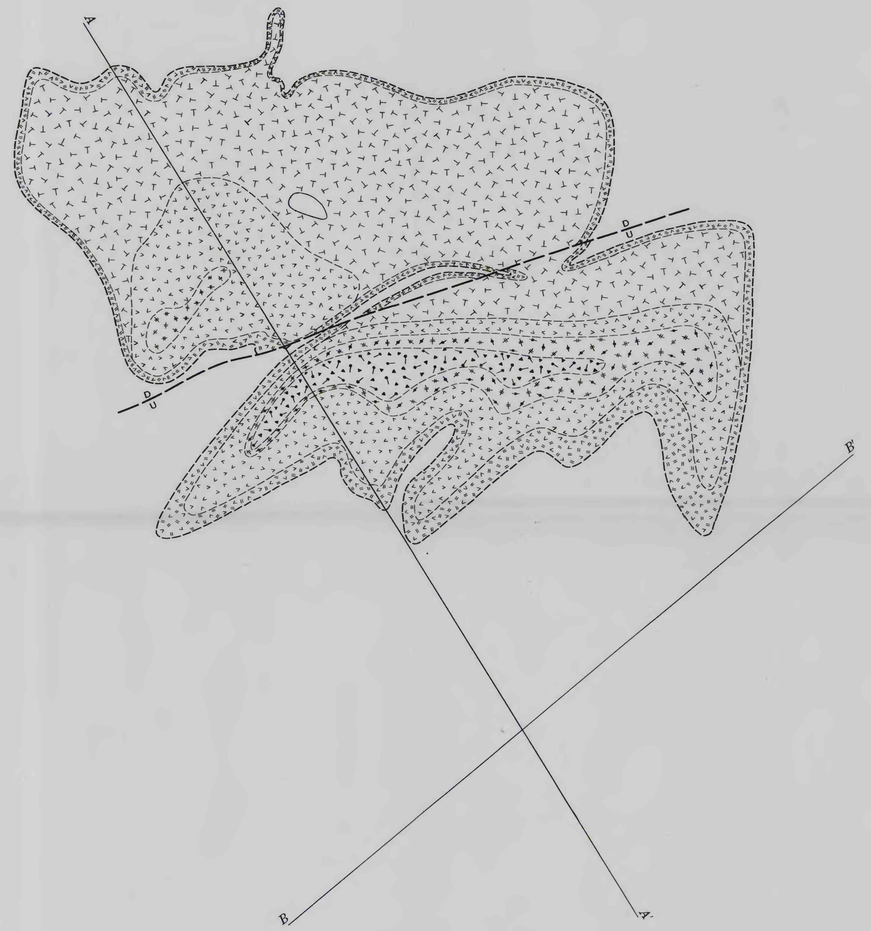
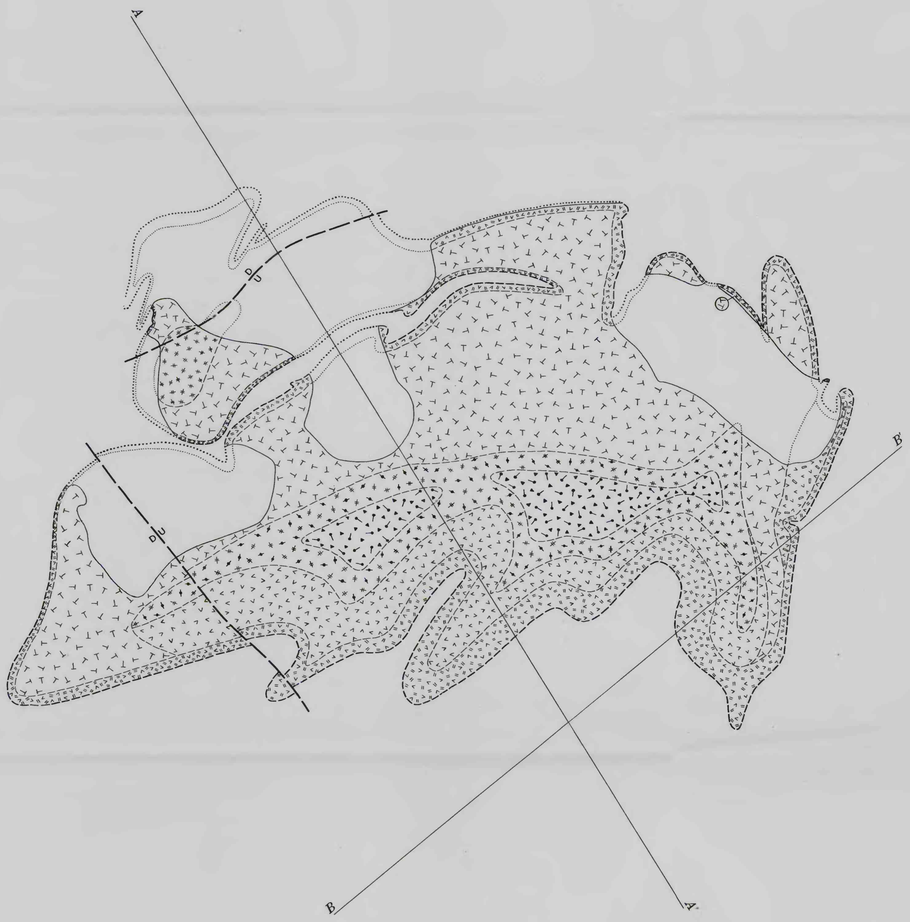


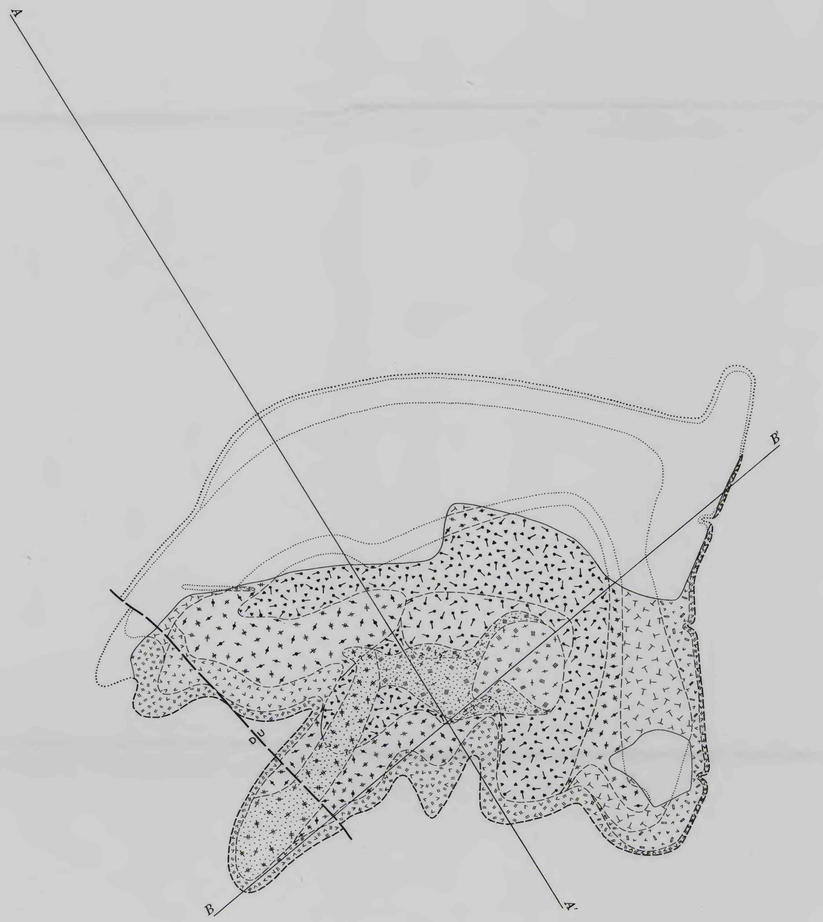
OUTLINE OF PEGMATITE AT ALTITUDES
OF 4460, 4540, AND 4620 FT



ALTITUDE 4460 FT



ALTITUDE 4540 FT



ALTITUDE 4620 FT

EXPLANATION

Cleavelandite-quartz-lithia mica pegmatite
Replacement unit

Cleavelandite-microcline-lithia mica pegmatite
Replacement unit

Cleavelandite-microcline-lithia mica pegmatite
Zone 7

Quartz-microcline pegmatite
Zone 6

Quartz-microcline-spodumene pegmatite
Zone 5

Quartz-cleavelandite-microcline-amblygonite pegmatite
Zone 4 of the south segment

Quartz-cleavelandite pegmatite
Zone 4 of the north segment

Quartz-albite pegmatite
Zone 3c

Quartz-perthite-albite pegmatite
Zone 3b

Perthite-quartz-albite pegmatite
Zone 3a

Quartz-albite-muscovite pegmatite
Zone 2

Quartz-mica schist

Pegmatite contact
Dotted where projected above the surface

Contact between pegmatite units
Dotted where projected above the surface

Relict zonal contact in replacement unit

Fault, approximately located
U, *upthrown side*; D, *downthrown side*

Ground surface

APPROXIMATE MEAN
DECLINATION, 1961

Geology by J. J. Norton, 1956

HORIZONTAL GEOLOGIC SECTIONS AT DIFFERENT ELEVATIONS, HUGO PEGMATITE, KEYSTONE, SOUTH DAKOTA

50 0 50 100 150 200 FEET
DATUM IS APPROXIMATELY MEAN SEA LEVEL

621497 O - 62 (In pocket)