SECTION ALONG LINE E-E'

SECTION ALONG LINE F-F'

EXPLANATION

Dump
Overburden
Lithia mica-cleavelandite pegmatite
Zone 7 (base)
Lithia mica-cleavelandite-quartz pegmatite
Replacement unit
Quartz pegmatite
Zone 6b (fourth intermediate zone)
Quartz-microcline pegmatite
Zone 6a (fourth intermediate zone)

Cleavelandite-quartz pegmatite
Zone 5 (third intermediate zone)
Perthite-cleavelandite-quartz pegmatite
Zone 4 (second intermediate zone)
Cleavelandite-quartz-muscovite pegmatite
Zone 3 (first intermediate zone)
Albite-quartz-muscovite pegmatite
Zone 2 (midtone)
Quartz-mica schist

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

Pegmatite contact
Described where approximately located; question marks where inferred.
Contact between pegmatite units
Question marks where inferred.
Restored contact
Fault

Geology by H.G. Stephens, 1947-1948
Revised by S.M. Sheridan, June 1951

FIGURE 5.—GEOLOGIC SECTIONS, PEERLESS PEGMATITE, PENNINGTON COUNTY, SOUTH DAKOTA

Datum is approximate mean sea level.