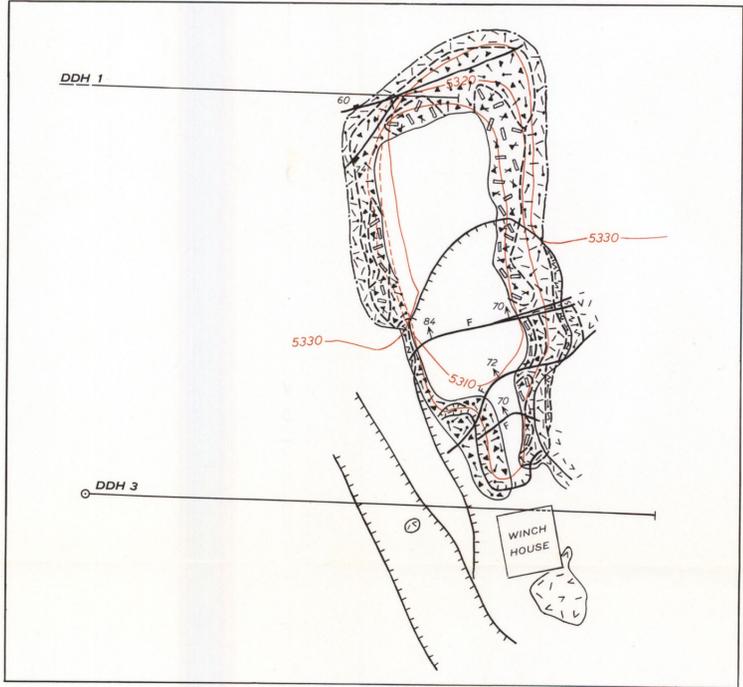


EXPLANATION

- Quartz-spodumene-perthite-albite pegmatite
Core
- Perthite-spodumene-quartz pegmatite
Third intermediate zone
- Perthite-quartz-muscovite pegmatite
Second intermediate zone
- Perthite-quartz-muscovite-biotite pegmatite
First intermediate zone
- Perthite-quartz-albite pegmatite
Fracture fillings
- Albite-quartz-muscovite pegmatite
Wall zone
- Quartz-mica schist
- Quartz vein, showing dip
- Pegmatite contact, showing dip
Dashed where approximately located
- Vertical pegmatite contact
- Contact between pegmatite units,
showing dip
- Limit of outcrop
- Fault, showing dip
- Strike and dip of beds
- Strike and dip of foliation
- Plunge of linear structure
- Plunge of roll
- Strike and dip of joints
- Strike of vertical joints
- Dump
- Rim of excavation
- Outline of underground workings
- Location of cut sample
U. S. Bureau of Mines
- Location of cut sample
Metal Reserves
- U. S. Geological Survey diamond-drill hole

TRUE NORTH
MAGNETIC NORTH
-15°
APPROXIMATE MEAN
DECLINATION, 1961



MAP SHOWING GEOLOGY OF PIT AND BENEATH
OVERHANG TO NORTH OF PIT

GEOLOGIC MAP, HELEN BERYL PEGMATITE, CUSTER COUNTY, SOUTH DAKOTA

20 0 20 40 60 80 100 FEET
CONTOUR INTERVAL 10 FEET
DATUM IS APPROXIMATE MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—10435
Geology and topography by L. R. Page and L. C. Pray, 1943
Revised by L. R. Page and M. H. Staatz, 1947