

FIGURE 1
INDEX MAP
SHOWING
LOCATION OF PEGMATITES
EXAMINED

0 1 2 3
SCALE, MILES

LEGEND

- Producing Mine XX
- Non-producing Mine X
- Prospect X

SOUTH DAKOTA
GEOLOGICAL SURVEY
AUGUST 1941



- | | |
|----------------------|--------------------|
| 1. Hunter | 13. St. Louis |
| 2. Louise | 14. Scott |
| 3. High Climb | 15. Long View |
| 4. Sky Lode | 16. Beecher |
| 5. Crown | 17. Black Diamond |
| 6. Ross | 18. Phillip |
| 7. Raver and Michaud | 19. White Elephant |
| 8. Tin Mountain | 20. Dakota |
| 9. Gray Rocks | 21. Red Monster |
| 10. Lincoln Lode | 22. Smith |
| 11. Tip Top | 23. Reed |
| 12. New York | 24. Townsite |

FIGURE 2

TIP TOP LODGE

5 miles southwest of Custer, S. D.
NE. 1/4, S.W. 1/4 SEC. 8, T. 4 S., R. 4 E.

CONTOUR INTERVAL - 10 FEET
ELEVATIONS FROM FOREST SERVICE MAP -
1/4 CORNER OF NORTH SIDE SEC. 8 = 5321

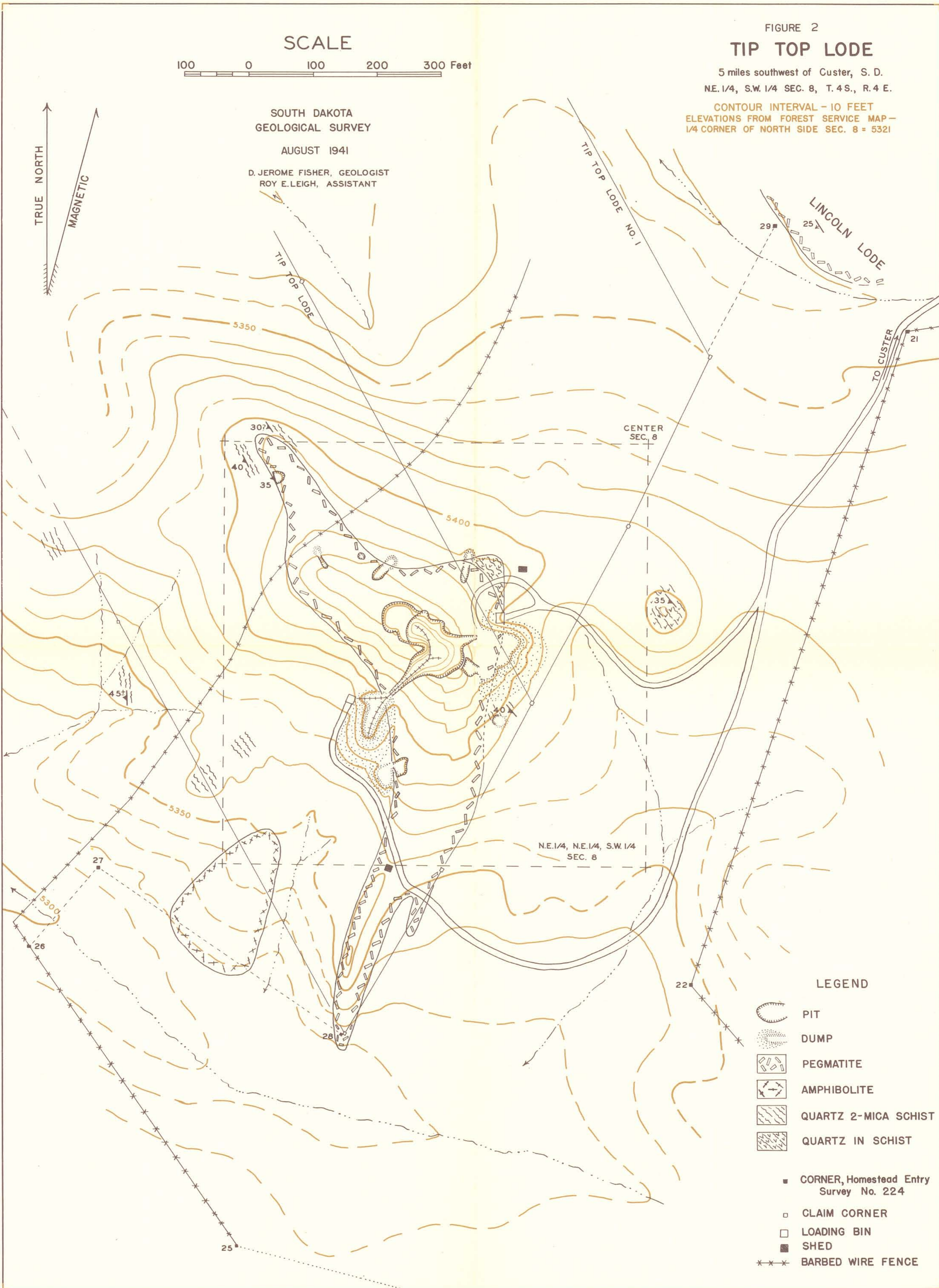
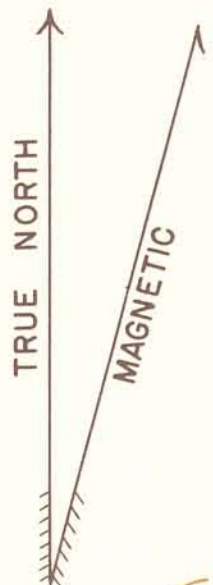
SCALE

100 0 100 200 300 Feet

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LEGEND

- PIT
- DUMP
- PEGMATITE
- AMPHIBOLITE
- QUARTZ 2-MICA SCHIST
- QUARTZ IN SCHIST
- CORNER, Homestead Entry Survey No. 224
- CLAIM CORNER
- LOADING BIN
- SHED
- BARBED WIRE FENCE

50
75 FEET OFF MAP

SCALE

25 0 25 50 75 100 FEET

TRUE NORTH
MAGNETIC



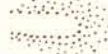
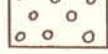
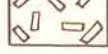
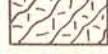
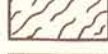
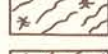
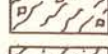
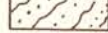
SOUTH DAKOTA
GEOLOGICAL SURVEY

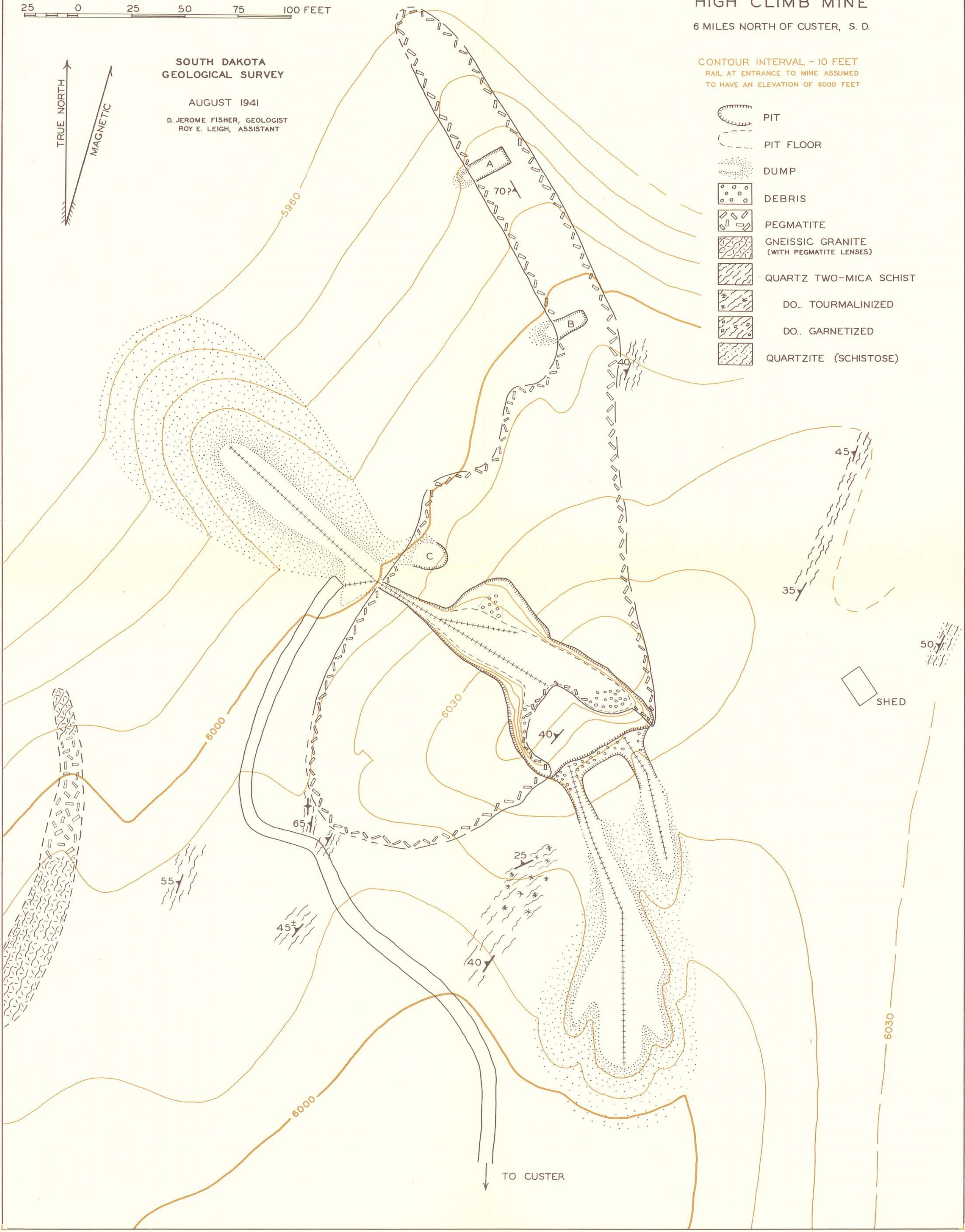
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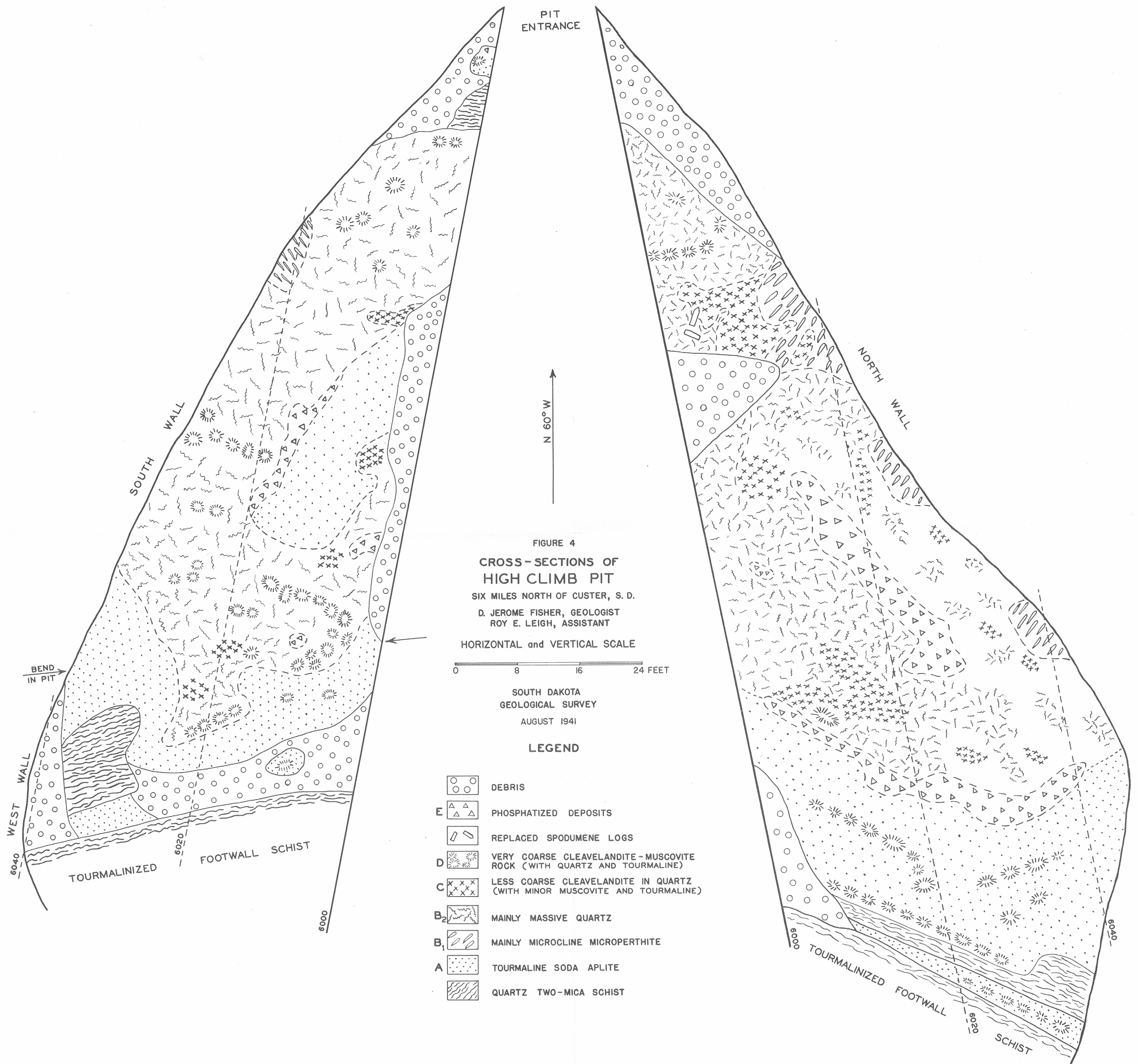
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FIGURE 3
HIGH CLIMB MINE
6 MILES NORTH OF CUSTER, S. D.

CONTOUR INTERVAL - 10 FEET
RAIL AT ENTRANCE TO MINE ASSUMED
TO HAVE AN ELEVATION OF 6000 FEET

-  PIT
-  PIT FLOOR
-  DUMP
-  DEBRIS
-  PEGMATITE
-  GNEISSIC GRANITE
(WITH PEGMATITE LENSES)
-  QUARTZ TWO-MICA SCHIST
-  DO. TOURMALINIZED
-  DO. GARNETIZED
-  QUARTZITE (SCHISTOSE)





PIT
ENTRANCE

N 60° W

FIGURE 4

CROSS-SECTIONS OF
HIGH CLIMB PIT

SIX MILES NORTH OF CUSTER, S. D.










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HORIZONTAL and VERTICAL SCALE

0 8 16 24 FEET

SOUTH DAKOTA
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LEGEND

-  DEBRIS
-  PHOSPHATIZED DEPOSITS
-  REPLACED SPODUMENE LOGS
-  VERY COARSE CLEAVELANDITE-MUSCOVITE ROCK (WITH QUARTZ AND TOURMALINE)
-  LESS COARSE CLEAVELANDITE IN QUARTZ (WITH MINOR MUSCOVITE AND TOURMALINE)
-  MAINLY MASSIVE QUARTZ
-  MAINLY MICROCLINE MICROPERTHITE
-  TOURMALINE SODA APLITE
-  QUARTZ TWO-MICA SCHIST

BEND
IN PIT

WEST
WALL

SOUTH
WALL

NORTH
WALL

TOURMALINIZED
FOOTWALL SCHIST

TOURMALINIZED
FOOTWALL
SCHIST

6040

6020

6000

6000

6020

6040

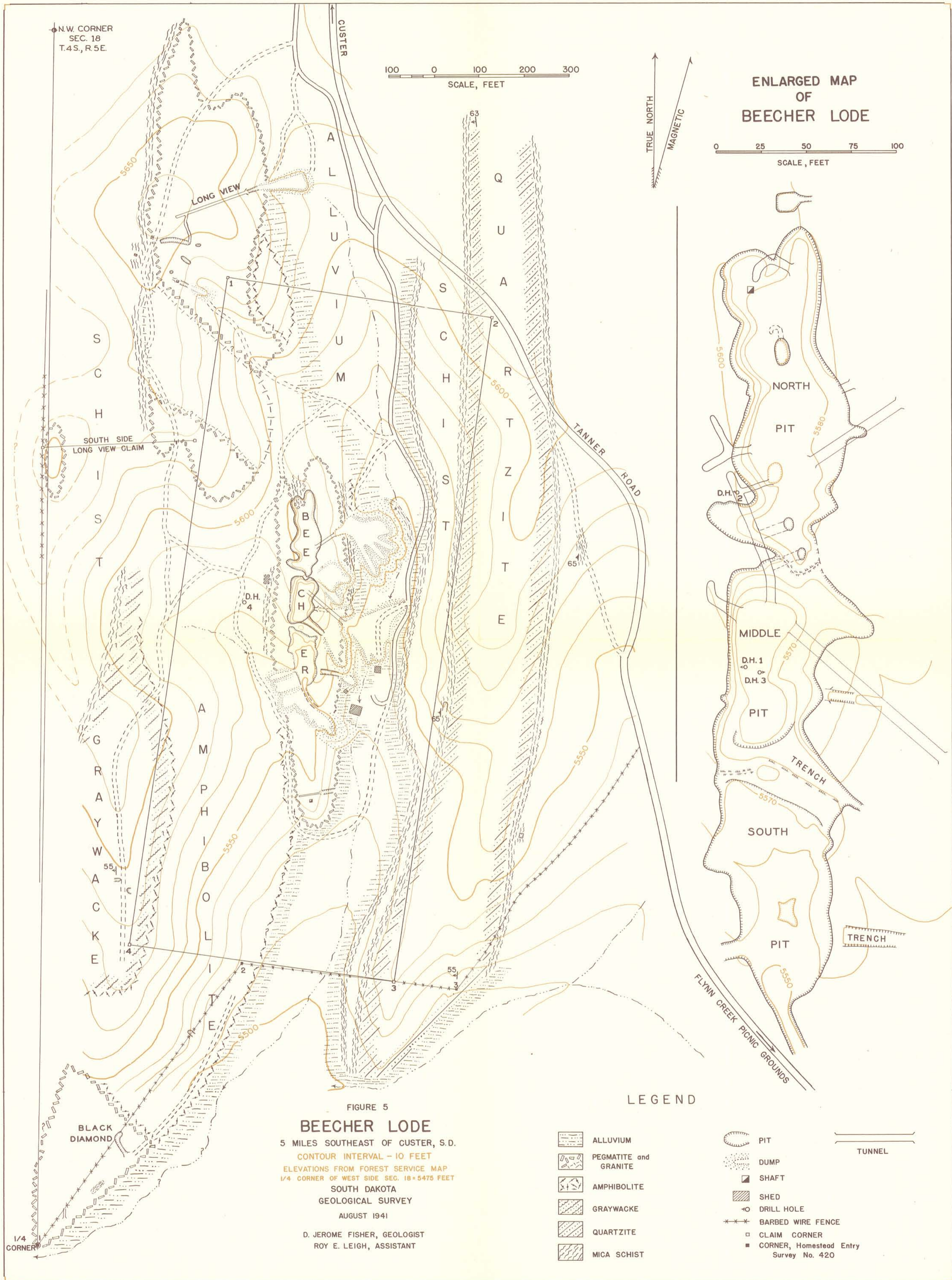
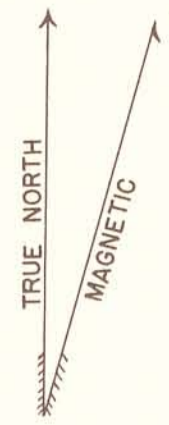


FIGURE 5
BEECHER LODGE
 5 MILES SOUTHEAST OF CUSTER, S.D.
 CONTOUR INTERVAL - 10 FEET
 ELEVATIONS FROM FOREST SERVICE MAP
 1/4 CORNER OF WEST SIDE SEC. 18 - 5475 FEET
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**ENLARGED MAP
 OF
 BEECHER LODGE**

0 25 50 75 100
 SCALE, FEET



N.W. CORNER
 SEC. 18
 T.4S., R.5E.

100 0 100 200 300
 SCALE, FEET

1/4
 CORNER