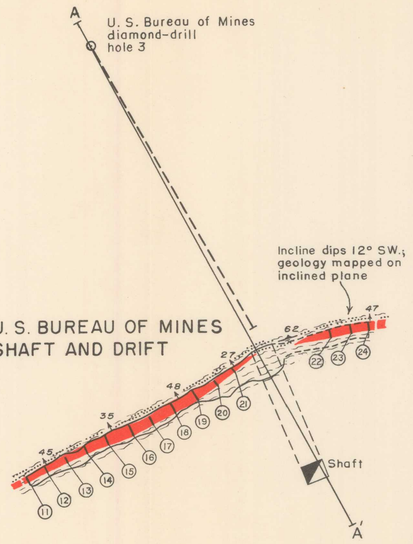
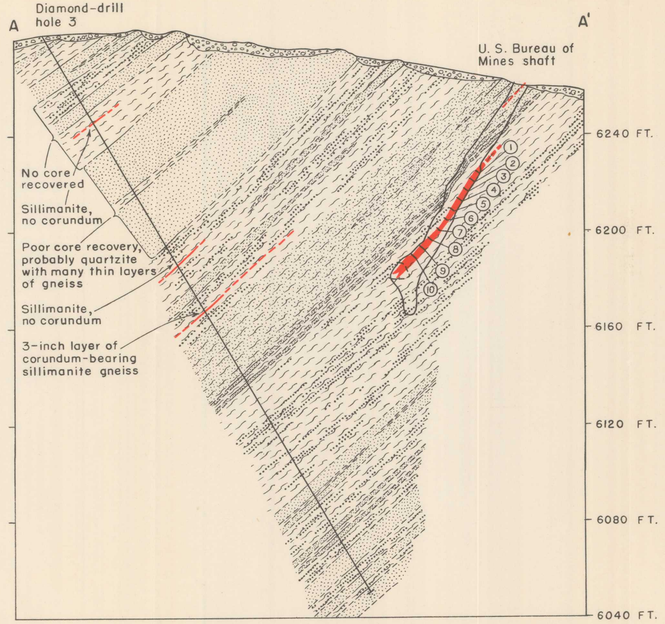


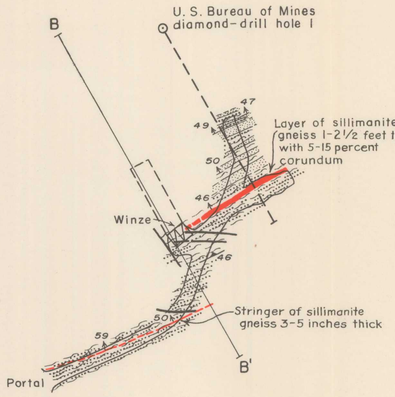
U. S. BUREAU OF MINES SHAFT AND DRIFT

U. S. BUREAU OF MINES SAMPLE DATA

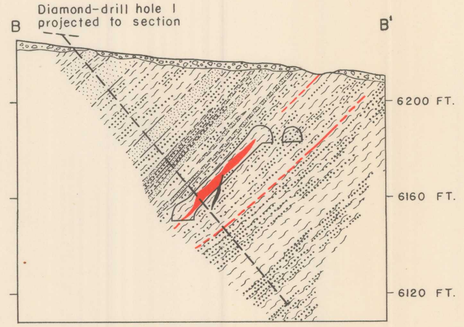
Sample number	Width, in feet	Corundum, weight percent
1	2.0	14.5
2	2.1	15.9
3	1.9	13.9
4	1.5	13.5
5	1.4	11.9
6	1.4	22.5
7	1.7	15.9
8	2.5	23.9
9	2.2	16.0
10	2.6	10.0
11	1.8	16.8
12	2.0	8.6
13	1.9	14.1
14	2.3	10.0
15	2.5	7.2
16	3.0	7.2
17	3.0	8.6
18	2.1	12.8
19	1.9	5.8
20	1.8	8.6
21	1.5	4.4
22	1.8	4.4
23	1.7	8.6
24	1.9	11.4



SECTION ALONG LINE A-A'



ADIT 1



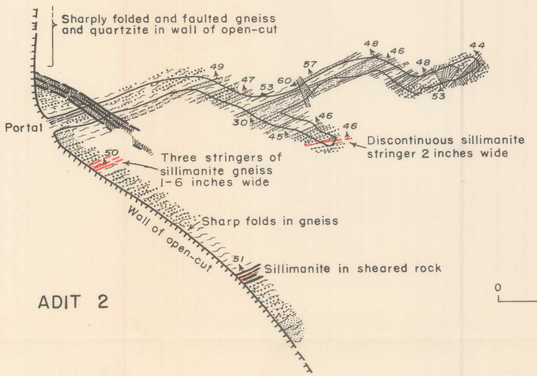
SECTION ALONG LINE B-B'

EXPLANATION

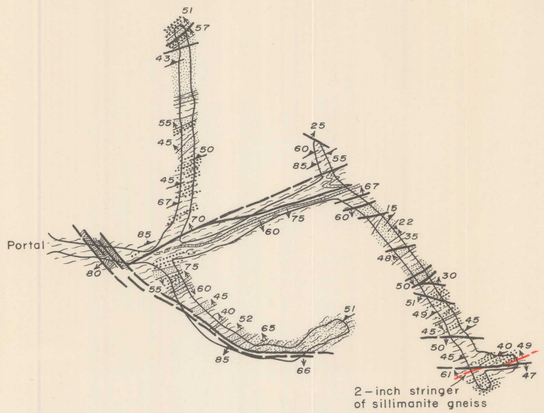
- Soil and rock debris
- Basalt dike — AGE UNCERTAIN
- Pegmatite
  (Pegmatite stringers and lit-par-lit gneiss indicated by dots)
- Corundum- or sillimanite-bearing gneiss
- Hornblende gneiss
  (Locally composed chiefly of mica, feldspar, or garnet)
- Quartzite and quartzitic gneiss
- Hornblende gneiss with many thin beds of quartzite

PRE-CAMBRIAN

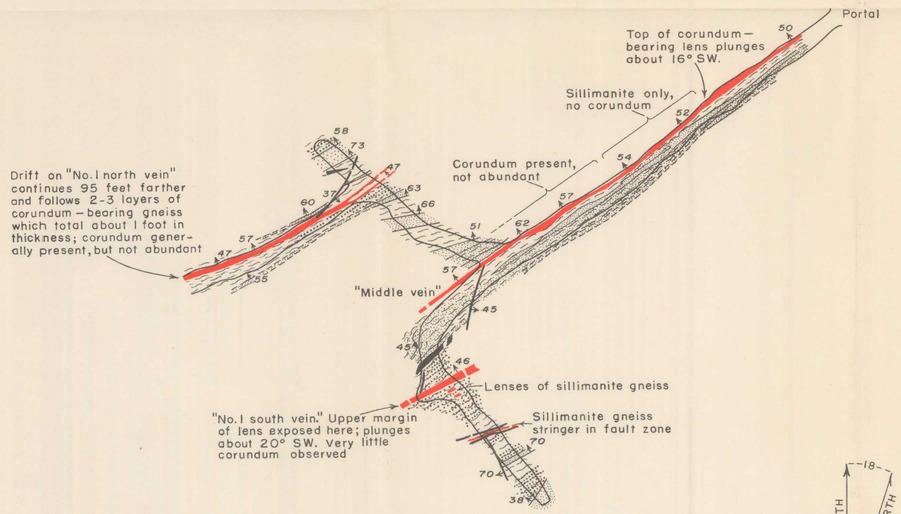
- 55 — Strike and dip of foliation
- 60 — Contact, showing dip, dashed where inferred
- 65 — Fault, showing dip, dashed where inferred
- (12) — Number and location of U. S. Bureau of Mines sample
- U. S. Bureau of Mines diamond-drill hole



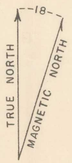
ADIT 2



ADIT 3



ELK TUNNEL



0 20 40 80 120 FEET

Mapped by F. C. Armstrong, S. E. Clabaugh, M. D. Crittenden, and G. M. Sowers, 1944-45

MINE WORKINGS AND SECTIONS OF THE ELK CREEK CORUNDUM DEPOSIT, GALLATIN COUNTY, MONTANA

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.