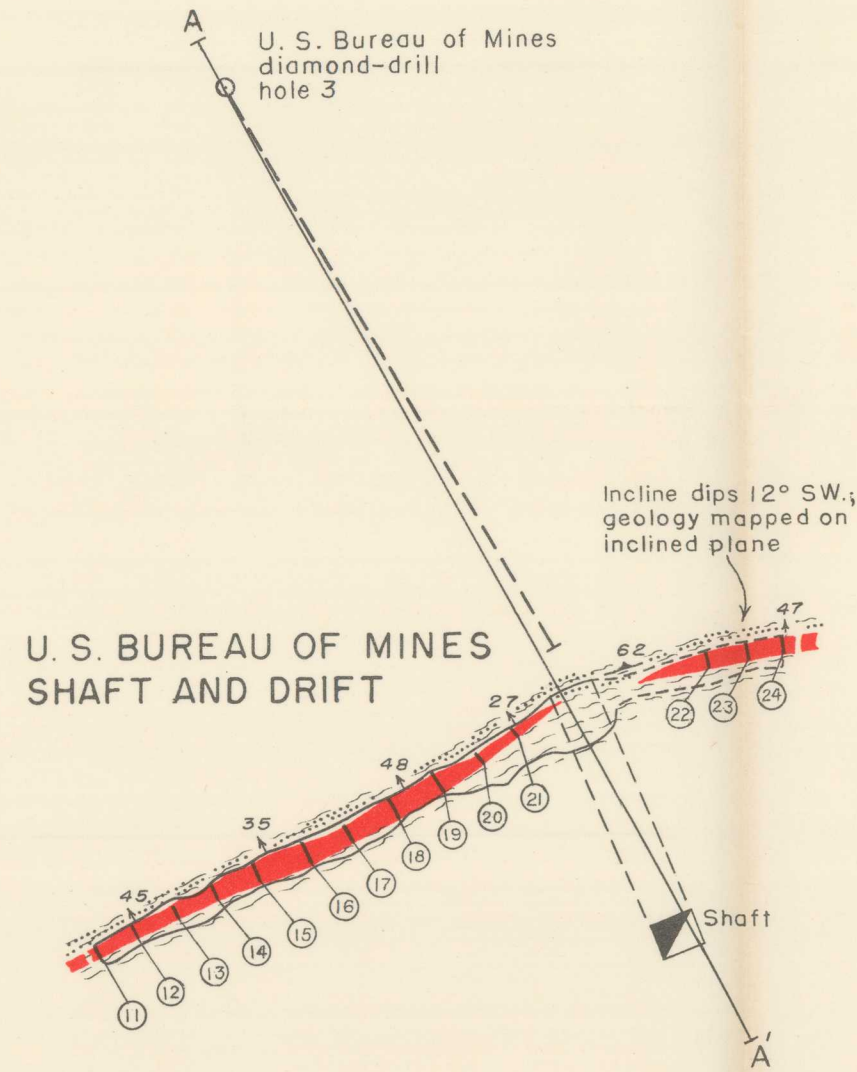
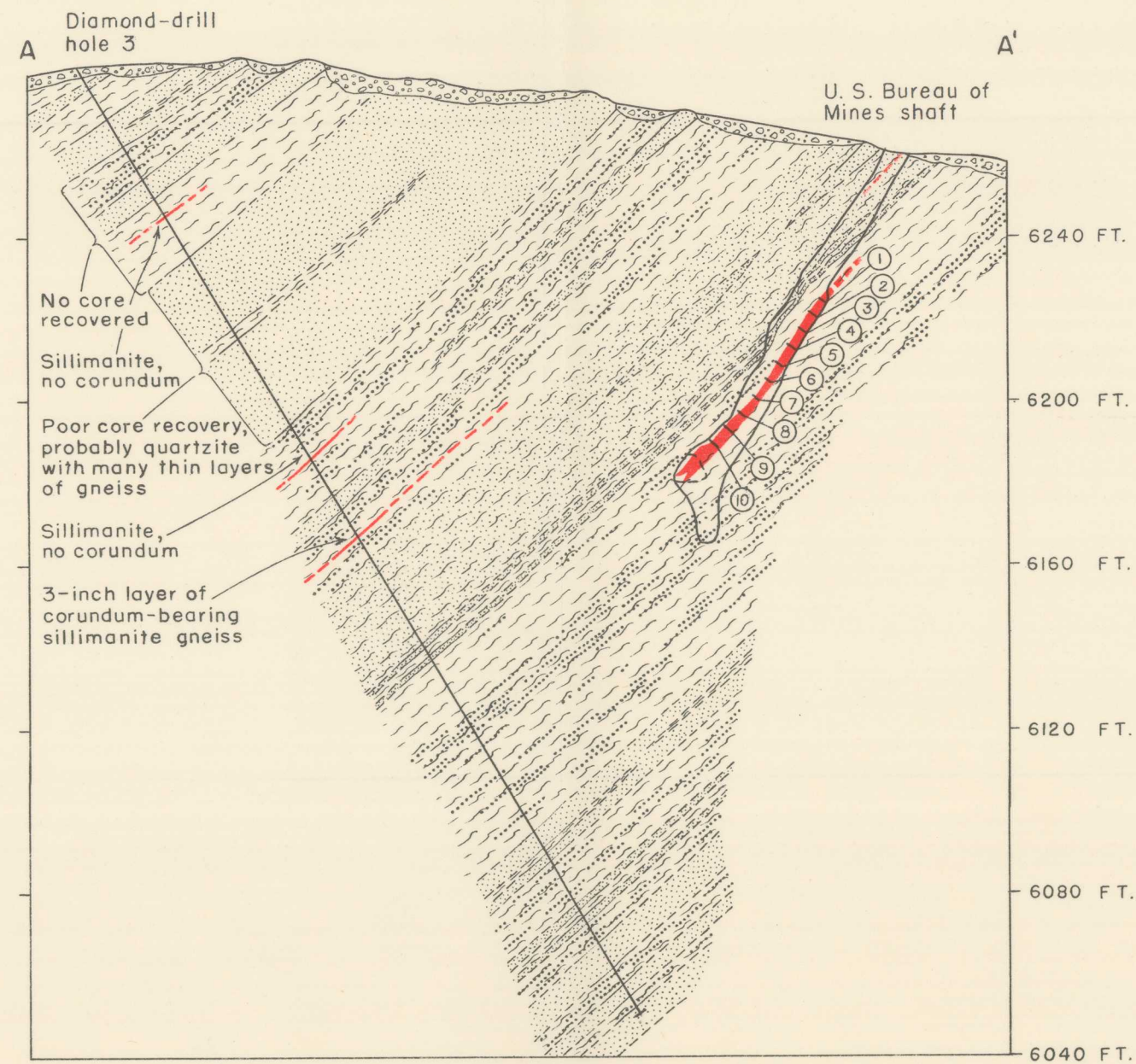
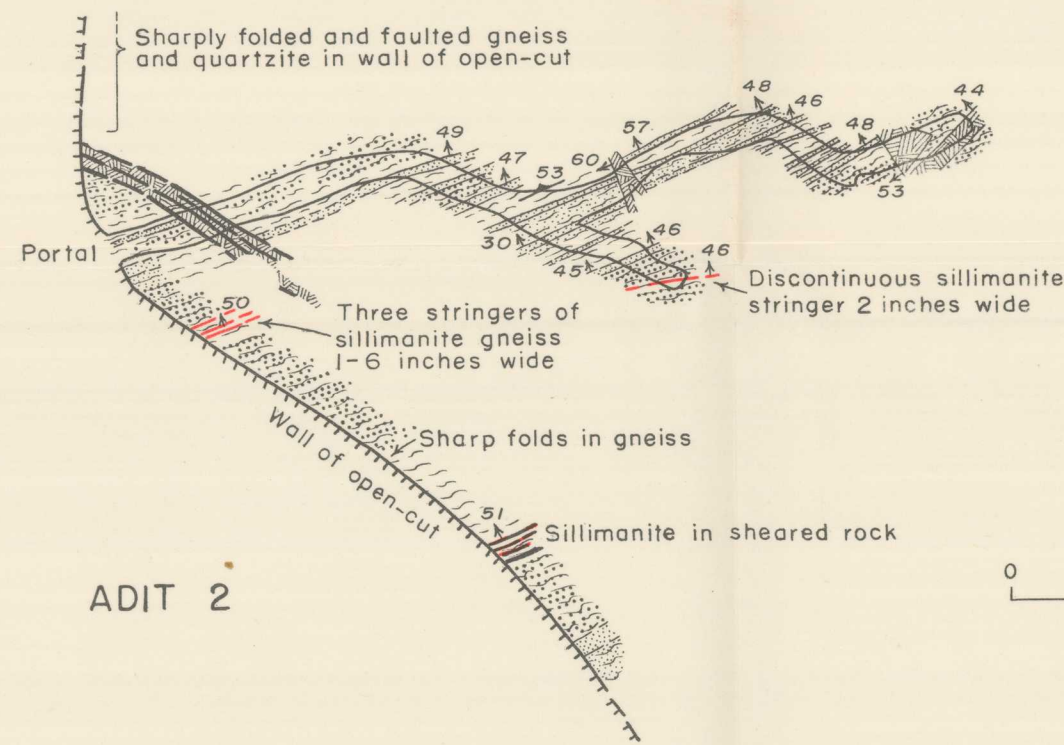


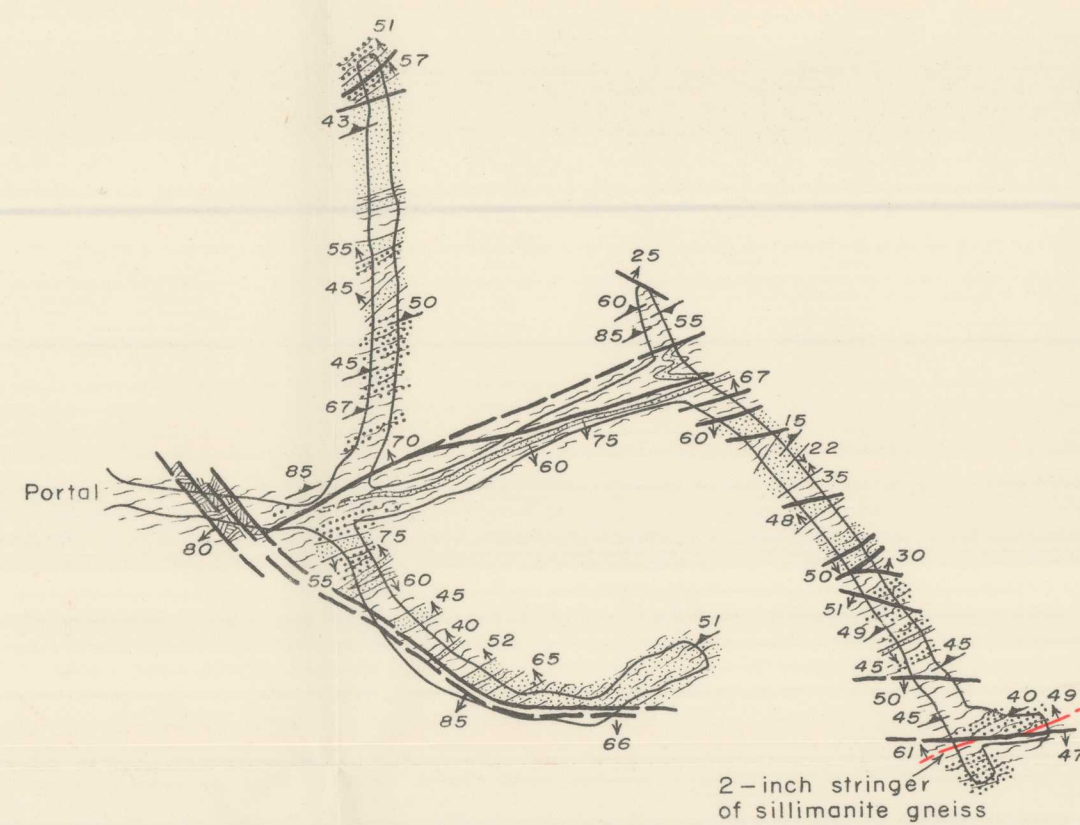


U. S. BUREAU OF MINES SAMPLE DATA

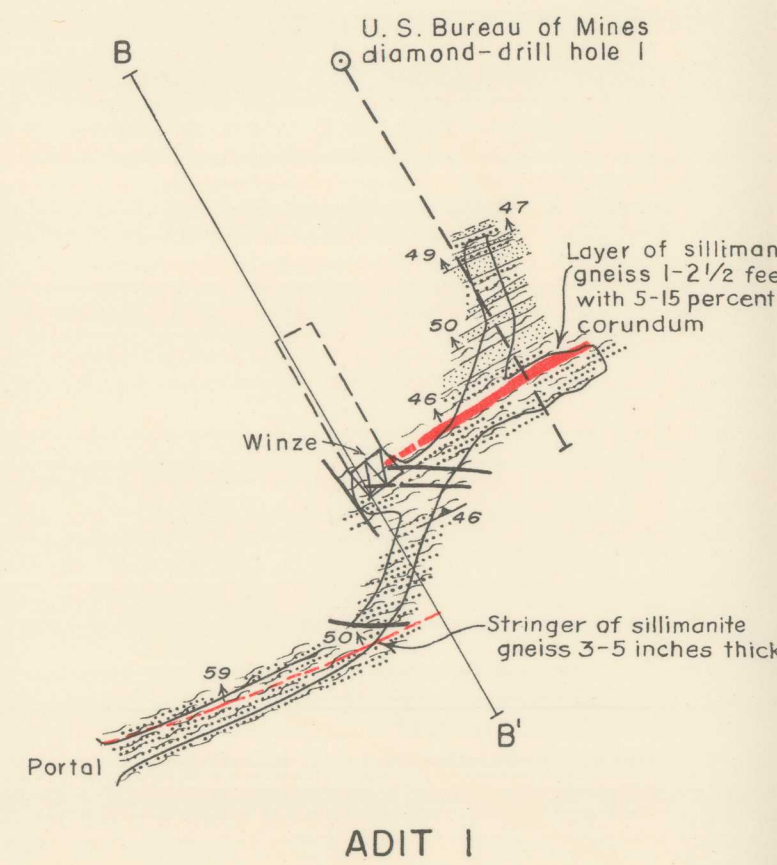
| Sample number | Width, in feet | Corundum, weight percent |
|---------------|----------------|--------------------------|
| 1             | 2.0            | 14.5                     |
| 2             | 2.1            | 15.9                     |
| 3             | 1.9            | 13.9                     |
| 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                     |



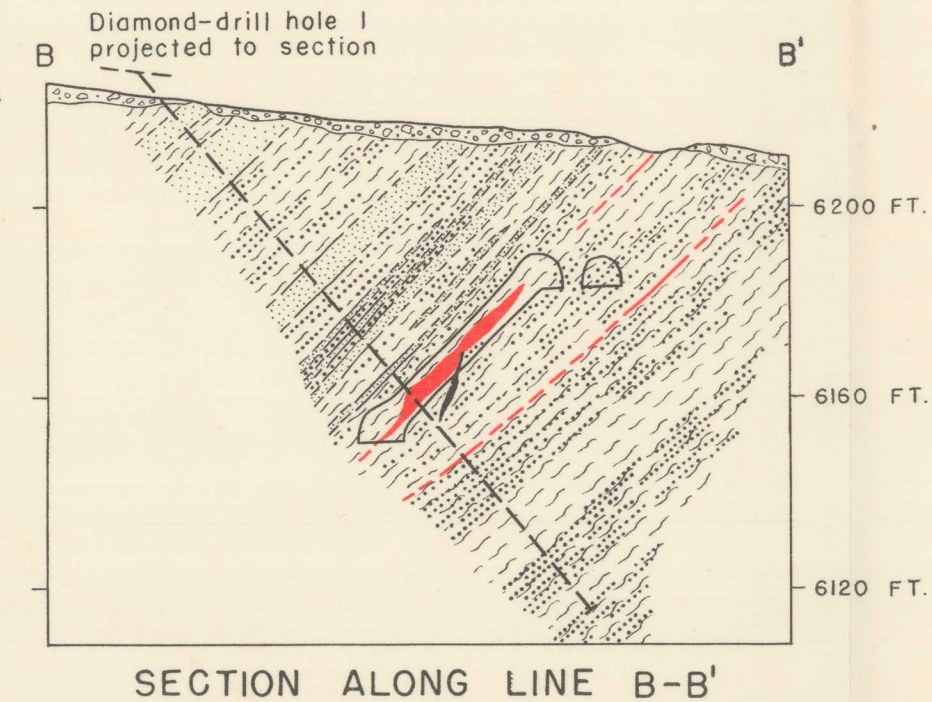
SECTION ALONG LINE A-A'



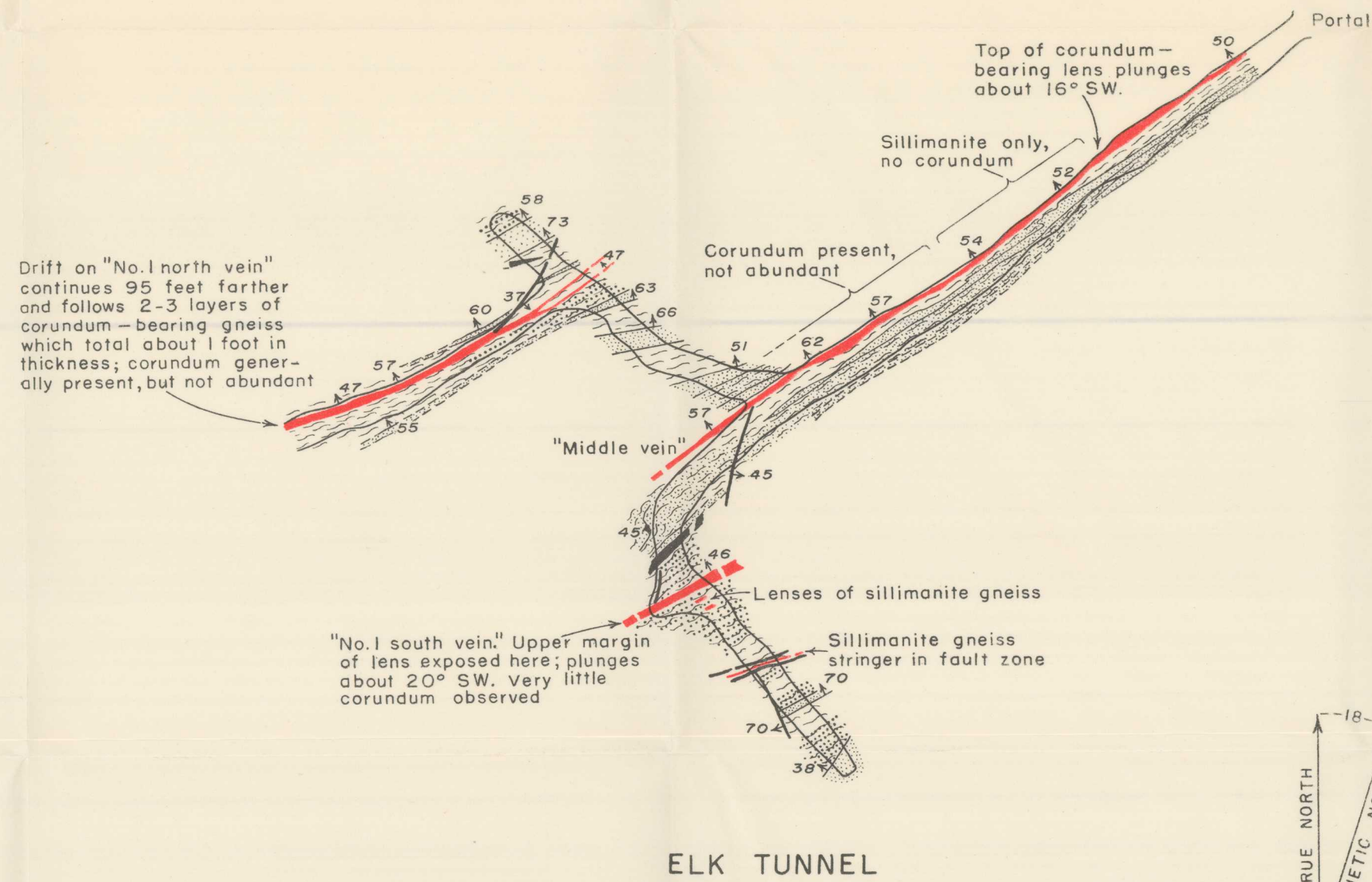
ADIT 3



ADIT 1



SECTION ALONG LINE B-B'



ELK TUNNEL

**EXPLANATION**

- Soil and rock debris
- Basalt dike
- 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

AGE UNCERTAIN

PRE-CAMBRIAN

Strike and dip of foliation

Contact, showing dip, dashed where inferred

Fault, showing dip, dashed where inferred

Number and location of U. S. Bureau of Mines sample

U. S. Bureau of Mines diamond-drill hole

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