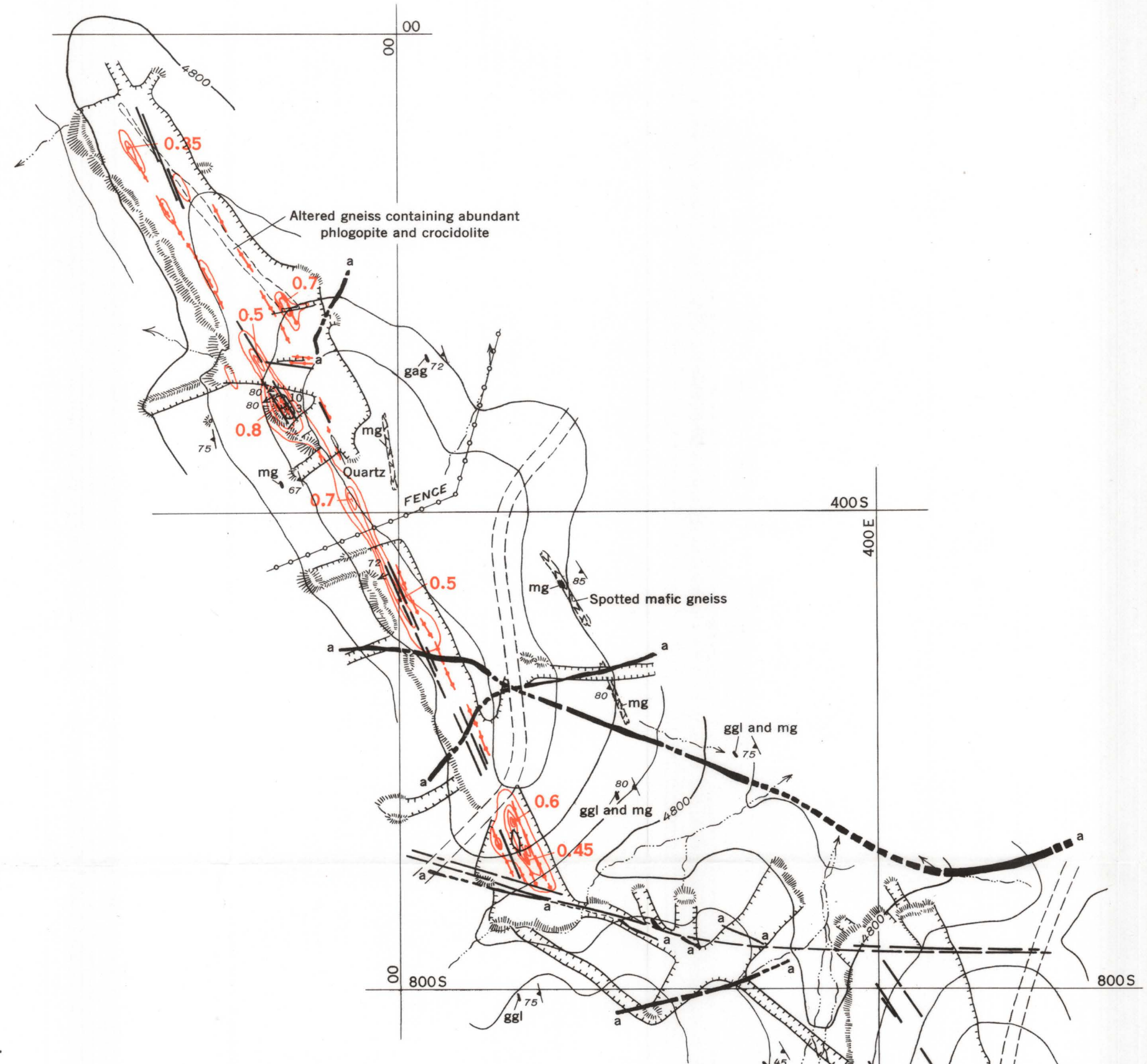
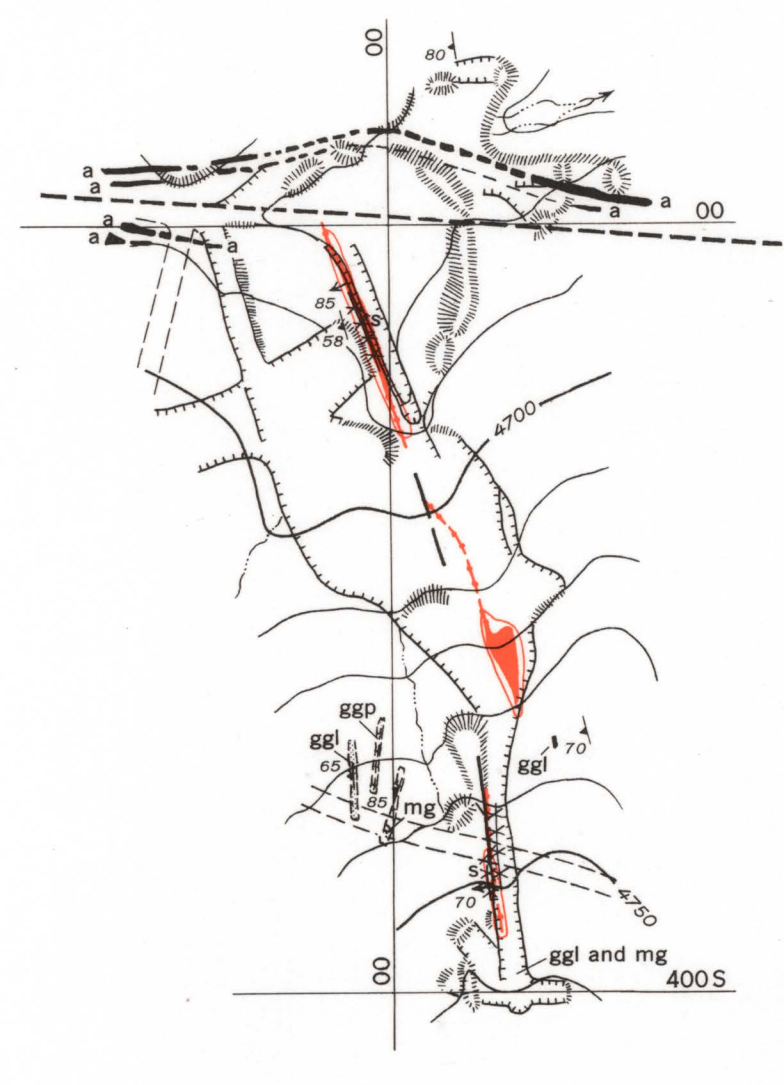


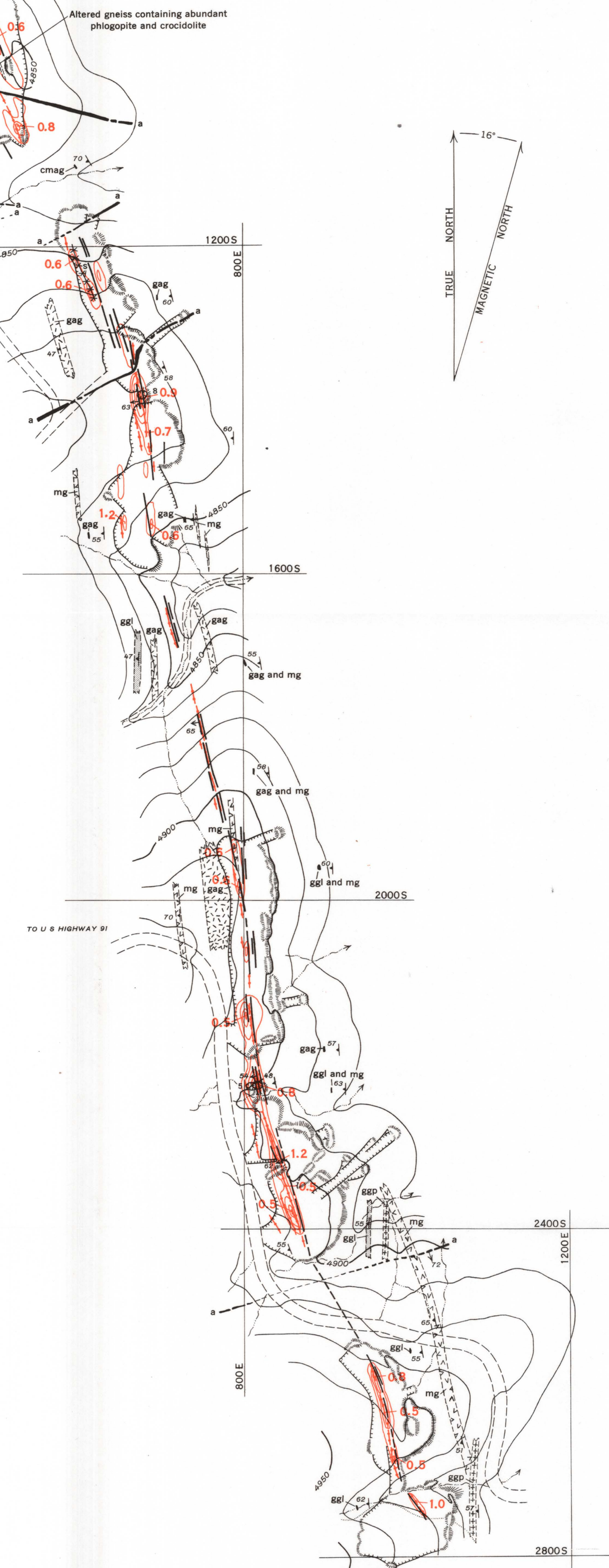
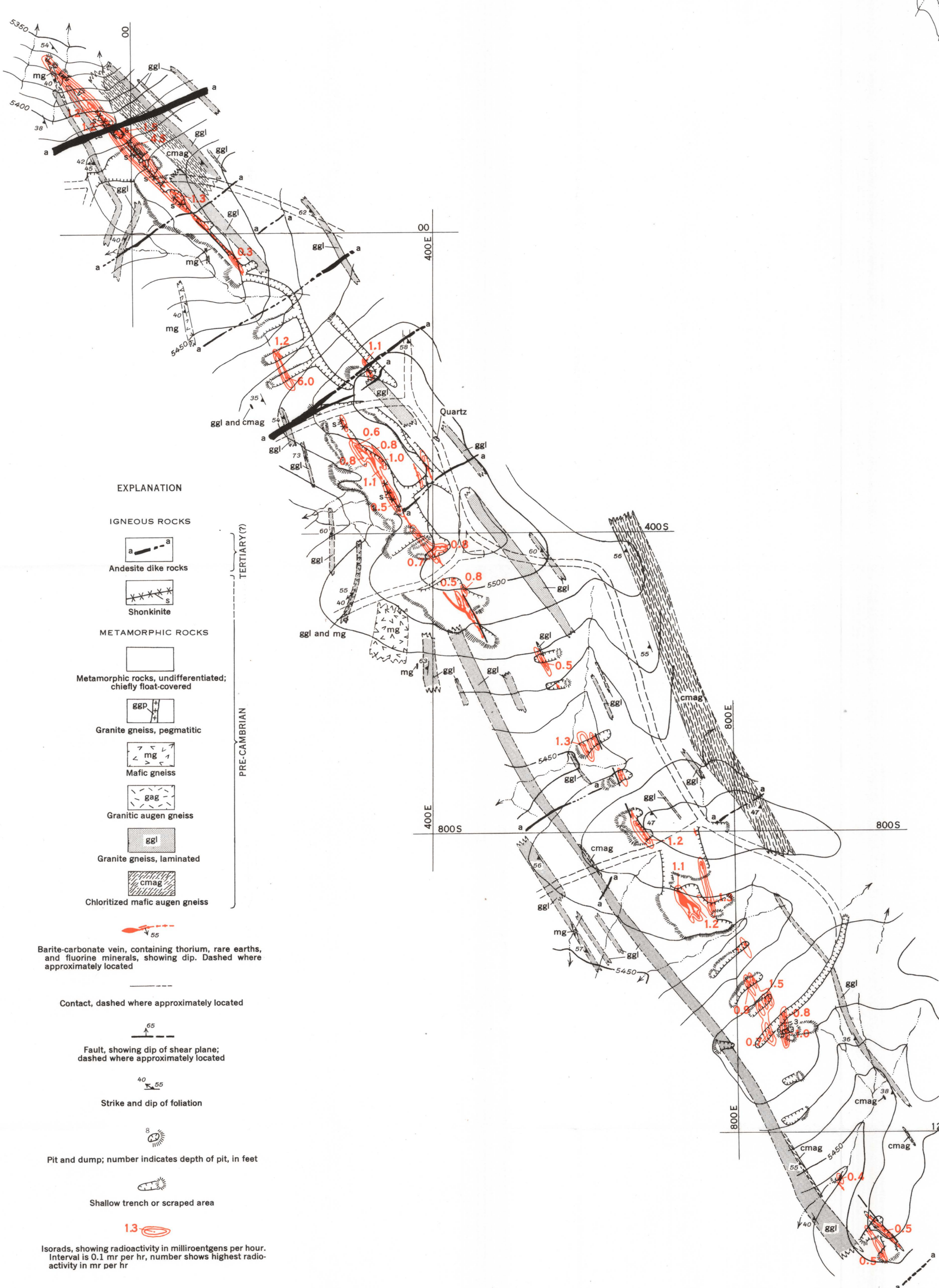
GOULDER GOULCH PROSPECT



WINDY GROUP OF PROSPECTS

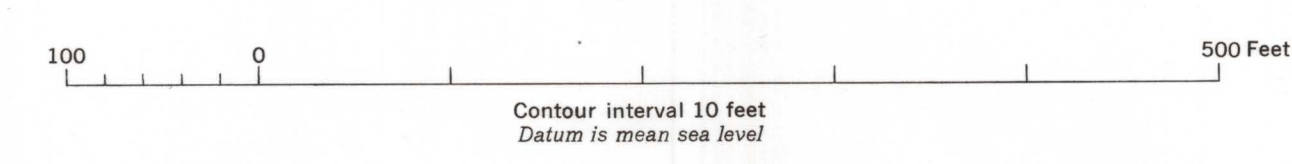
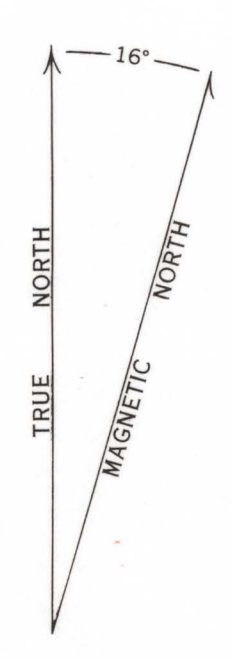


SIMON-RAY PROSPECT



RAY-WELCH-WILLMORE GROUP OF PROSPECTS

- EXPLANATION**
- IGNEOUS ROCKS**
- Andesite dike rocks
 - Shonkinite
- METAMORPHIC ROCKS**
- Metamorphic rocks, undifferentiated; chiefly float-covered
 - Granite gneiss, pegmatitic
 - Mafic gneiss
 - Granitic augen gneiss
 - Granite gneiss, laminated
 - Chloritized mafic augen gneiss
- Barite-carbonate vein, containing thorium, rare earths, and fluorine minerals, showing dip. Dashed where approximately located**
- Contact, dashed where approximately located**
- Fault, showing dip of shear plane; dashed where approximately located**
- Strike and dip of foliation**
- Pit and dump; number indicates depth of pit, in feet**
- Shallow trench or scraped area**
- Isorads, showing radioactivity in milliroentgens per hour. Interval is 0.1 mr per hr, number shows highest radioactivity in mr per hr**



Grid system arbitrary for each map
 Topography by D. R. Shawe and W. N. Sharp, May-June 1952

INVERSION—GEOLOGICAL SURVEY, WASHINGTON, D. C. W-2475

Geology by D. R. Shawe, May-June 1952

GEOLOGIC AND ISORAD MAPS OF FOUR OCCURRENCES OF THORIUM AND RARE EARTHS IN THE MOUNTAIN PASS DISTRICT, CALIFORNIA