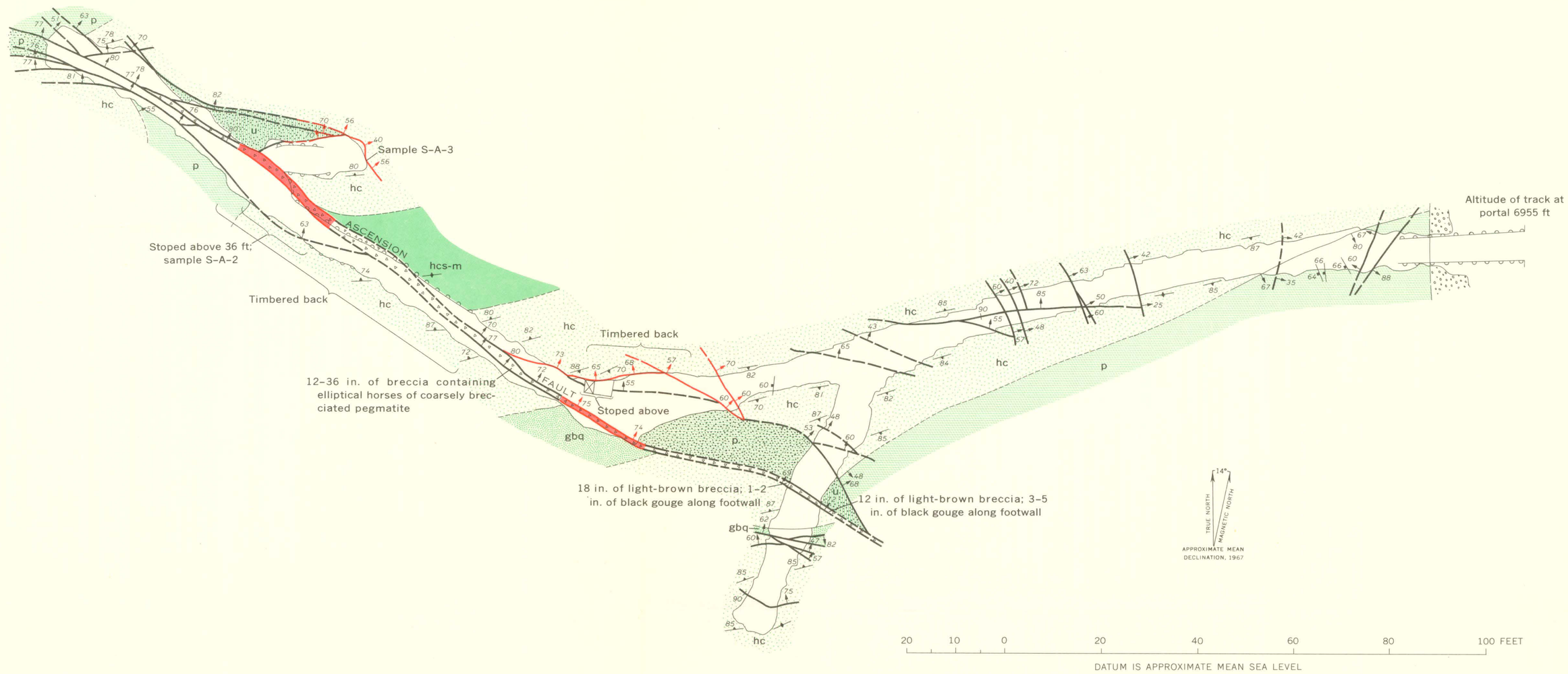

Lithologic units; order may not reflect age

QUATERNARY

Alluvium and colluvium

PRECAMBRIAN

p — Pegmatite

u — Undivided pegmatite, layered calc-silicate gneiss, hornblende gneiss, and amphibolite

hc — Layered calc-silicate gneiss
Contains minor layers of amphibolite, hornblende gneiss, and biotite-quartz-plagioclase gneiss

gbq — Garnetiferous biotite-quartz gneiss

hcs-m — Sillimanitic mica schist (marker layer)

EXPLANATION

Contact, showing dip
Dashed where approximately located; short dashed where inferred

Breccia-reef fault or fracture, showing dip
Dashed where approximately located

Inclined — Vertical
Strike and dip of foliation

Strike and dip of joint

Uranium-bearing segments of breccia-reef fault or fracture
Dashed where approximately located. Radioactivity greater than 0.2 milliroentgens per hour

Coarsely brecciated and altered wallrock

Foot of raise

Ore chute

Lagging at portal and along walls of drift

Sample data

Sample	S-A-2	S-A-3
Serial No	253103	253104
Equivalent uranium (percent)	4.8	23.8
Uranium (percent)	6.48	40.18
Remarks	Grab sample of ore from main stope	Grab sample of 4-inch-thick black ore along fault

Note: Regular channel samples for grade were not taken

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON D. C.—1967—G6542C

Base from transit and tape survey by D. M. Sheridan, November 1956

Geology by D. M. Sheridan, November 1956

GEOLOGIC MAP OF THE ASCENSION MINE, RALSTON BUTTES DISTRICT JEFFERSON COUNTY, COLORADO