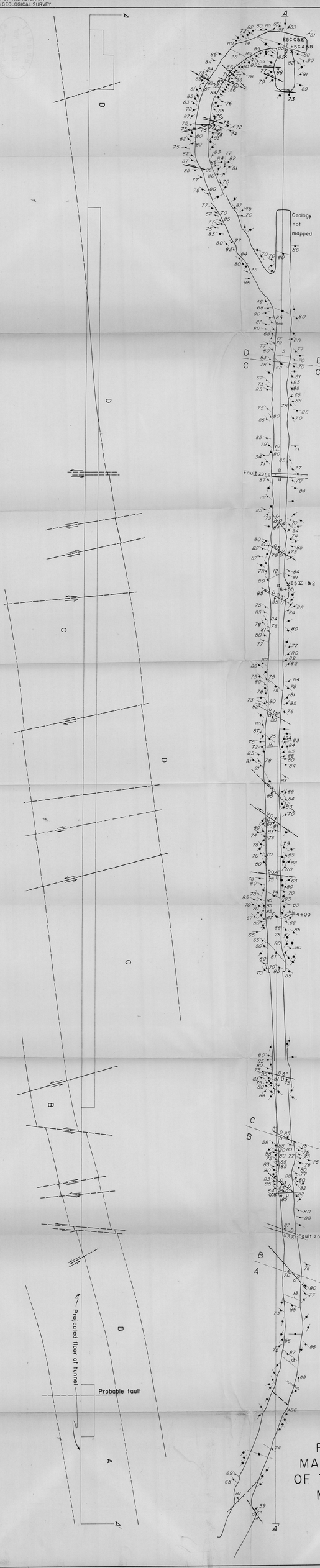


EXPLANATION

NOTE: All lithologic units are part of the Tos_3 unit (Hansen and Lemke, 1957, p. 67-68) of the Oak Spring formation of Tertiary age.

D

Hard distinctly to indistinctly bedded coarse medium-red tuff; at least 33 feet thick (top not exposed)

C

Soft to hard indistinctly to distinctively bedded light gray fine and coarse tuff, banded with pale yellow, red, and purple; contains common to abundant clastic grains of quartzite and volcanic(?) rocks; 75 feet thick.

B

Moderately hard fairly well-bedded light gray coarse tuff, mottled and banded with red and purple; 23 feet thick.

A

Hard to moderately hard structureless to indistinctly bedded coarse red tuff; 39 feet thick.

Contact, showing dip
Dashed where gradational or inferred

Fault, showing dip
Number indicates displacement in feet of U, upthrown side; D, downthrown side
Dashed where inferred

Fault of lateral movement
Direction unknown
Dashed where inferred

Shear zone

Strike and dip of beds

Strike and dip of joints

Strike of vertical joint

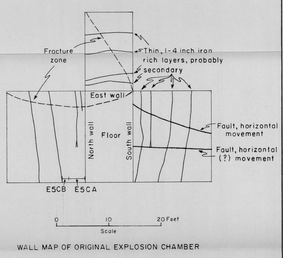
Outline of tunnel

Lagging

o 6+00
Tunnel footage measured from entrance at 19+60 in main tunnel

E5CB E5 V 182
Sample locations

Reference: Hansen, W. R., and Lemke, R. W., 1957, Geology of the USGS and Rainier tunnel areas, Nevada Test Site, U. S. Geol. Survey, TEI 716, 111 p.



WALL MAP OF ORIGINAL EXPLOSION CHAMBER

Geology mapped by D. D. Dickey, F. N. Houser, F. A. McKeown, and V. R. Wilmarth

FIGURE 4. GEOLOGIC MAP AND CROSS-SECTION OF THE U12e.05 TUNNEL, RAINIER MESA, NEVADA TEST SITE, NYE COUNTY, NEVADA

20 0 20 40 Feet
Scale

Datum is waist level of tunnel (6138')