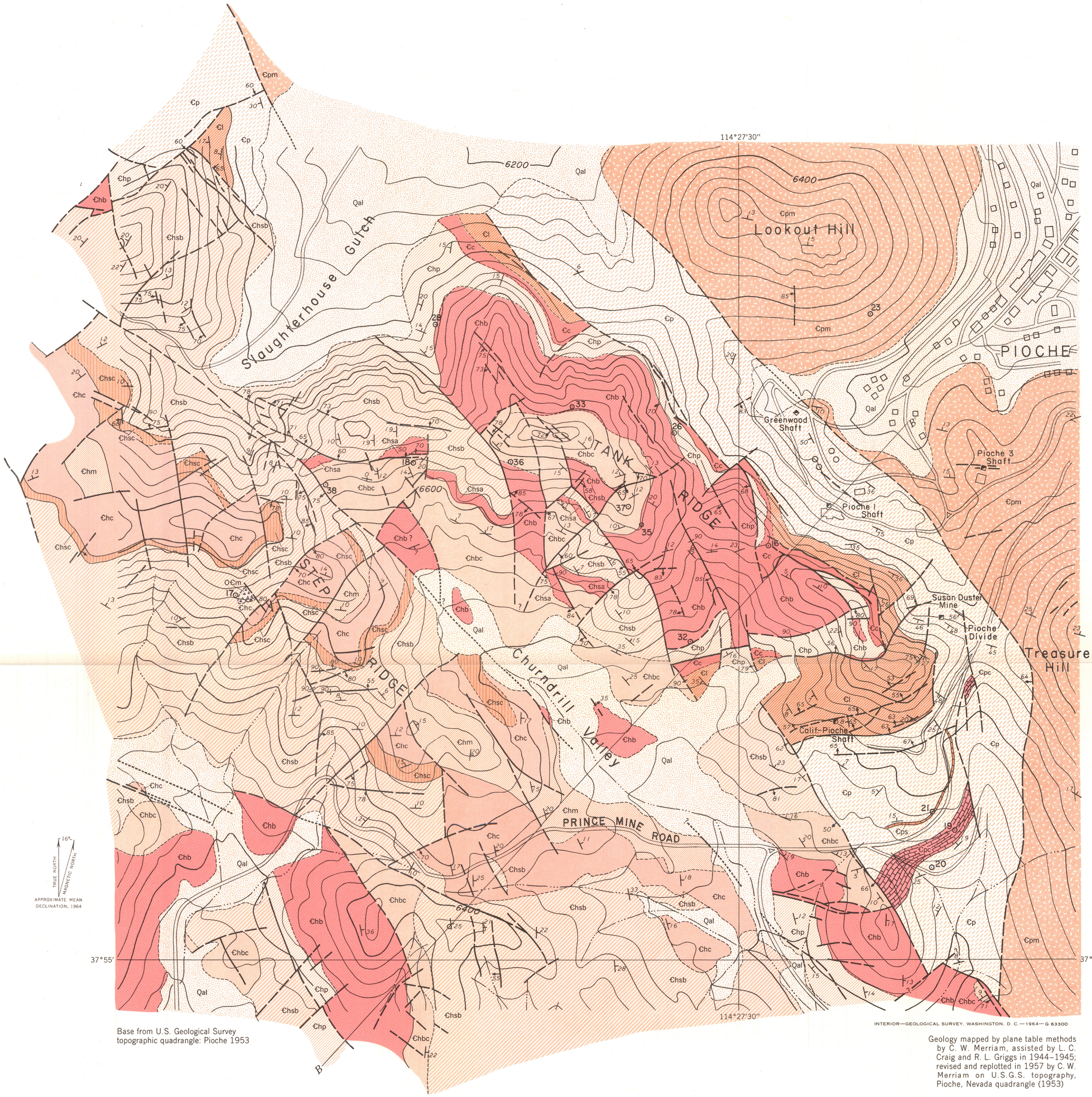

Base from U.S. Geological Survey topographic quadrangle: Pioche 1953

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1964—G 63300

Geology mapped by plane table methods by C. W. Merriam, assisted by L. C. Craig and R. L. Griggs in 1944–1945; revised and replotted in 1957 by C. W. Merriam on U.S.G.S. topography, Pioche, Nevada quadrangle (1953)

EXPLANATION

QUATERNARY

Qal — Alluvium

CAMBRIAN AND ORDOVICIAN (*Upper Cambrian and Lower Ordovician*)

O€m — Mendha Formation
Breccia with fossiliferous limestone blocks; possible thrust fault outlier

CAMBRIAN (*Middle Cambrian*; *Lower Cambrian*)

Highland Peak Formation (lower part):

€hm — Meadow Valley Member

€hc — Condor Member

€hsc, €hsb, €hsa — Step Ridge Member
€hsc, *unit c*
€hsb, *unit b*
€hsa, *unit a*

€hbc — Burnt Canyon Member

€hb — Burrows Member

€hp — Peasley Member

€c — Chisholm Shale

€l — Lyndon Limestone

€ps, €p, €pc — Pioche Shale
€ps, *Susan Duster Limestone Member*
€pc, *Combined Metals Member*

€pm — Prospect Mountain Quartzite

70 — Contact showing dip
Dashed where approximately located

66 — ? — Fault showing dip
Dashed where approximately located, queried where probable

Concealed fault

12 — Strike and dip of beds

Shaft at surface

20 — Fossil localities and other localities referred to in text. See locality register

DETAILED GEOLOGIC MAP OF A PART OF THE PRODUCTIVE AREA, PIOCHE MINING DISTRICT, LINCOLN COUNTY, NEVADA

500 0 500 1000 1500 FEET

500 0 500 METERS

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL