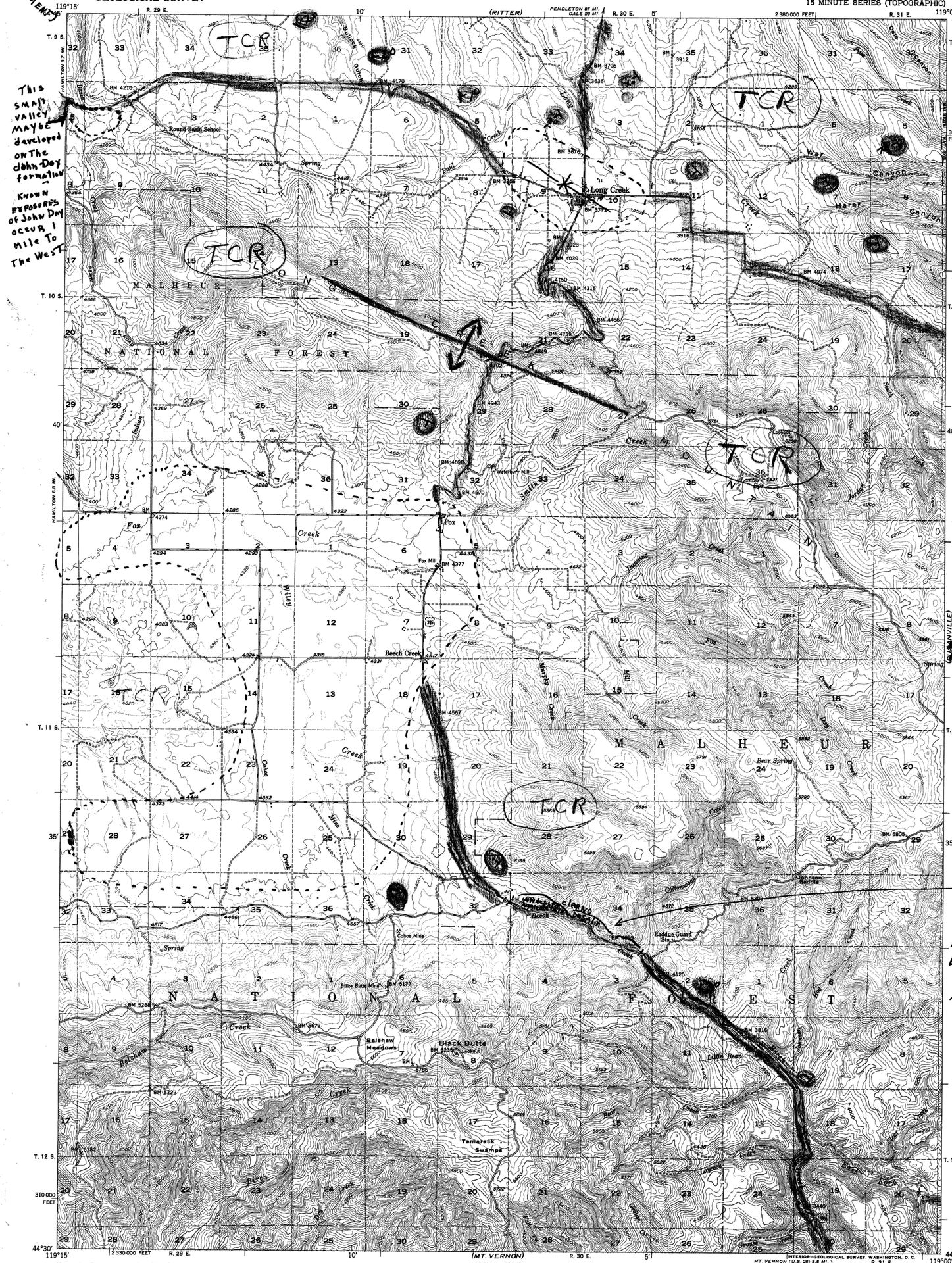
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LONG CREEK QUADRANGLE
OREGON-GRANT CO.
15 MINUTE SERIES (TOPOGRAPHIC)



This small valley maybe developed on the John Day formation

Known exposures of John Day occur 1 mile to the West

The town of Long Creek is in a structural basin on Columbia River Basalt. The ash beds and alluvium which filled the basin are now being eroded away by the downcutting of Long Creek.

Long Creek Mt. is anticlinal.

Fox Valley is large structural basin wherein the Columbia River Basalt is covered by alluvium, tuffs etc which are now being exhumed by Fox Creeks drainage

Clarno appears in core of anticline

Extent of Clarno exposure not known but needs checking. Except for this most of quadrangle appears to be Columbia River Basalt.

□ = Valley fill
▨ = Ter = Columbia River basalt
▩ = Clarno fm

Geology by L.F. Hintze Sept 1952

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and OSHD

Topography from aerial photographs by multiplex methods
Aerial photographs taken 1946. Field check 1949

Polyconic projection. 1927 North American datum
10,000-foot grid based on Oregon coordinate system north zone

Dashed land lines indicate approximate location

SCALE 1:62500

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1949

ROAD CLASSIFICATION

HARD-SURFACE ALL WEATHER ROADS — DRY WEATHER ROADS
Heavy-duty — 4 LANE 16 LANE — Improved dirt
Medium-duty — 4 LANE 16 LANE — Unimproved dirt
Loose-surface, graded, or narrow hard-surface
U. S. Route — State Route

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

FOR SALE BY U. S. GEOLOGICAL SURVEY, FEDERAL CENTER, DENVER, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

LONG CREEK, OREG.
N4430—W11900/15

EDITION OF 1951