UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

WILLOW RANCH QUADRANGLE
CALIFORNIA–OREGON
15 MINUTE SERIES (TOPOGRAPHIC)

MAP EXPLANATION

Faults mapped by CDWR (1963), dashed where approximately located, dotted where concealed; U denotes upthrown side, D denotes downthrown side.

Faults mapped by Gay and Anne (1958, and unpublished field maps), dotted where concealed.

Faults mapped by Lydon (1969), dashed where approximately located, dotted where concealed.

Recently active faults mapped by Bryant (this report), based on air photo interpretation. Solid line indicates well-defined feature, dashed where approximately located, short dash where inferred, dotted where concealed; queries indicate additional uncertainty; hachures indicate extent and direction scarp faces.

Locality referred to in text.

Fault is well-defined and/or was verified as exhibiting geomorphic evidence of latest Pleistocene to Holocene displacement by Bryant (this report).

Fault is not well-defined and/or was not verified as exhibiting geomorphic evidence of latest Pleistocene to Holocene displacement by Bryant (this report).

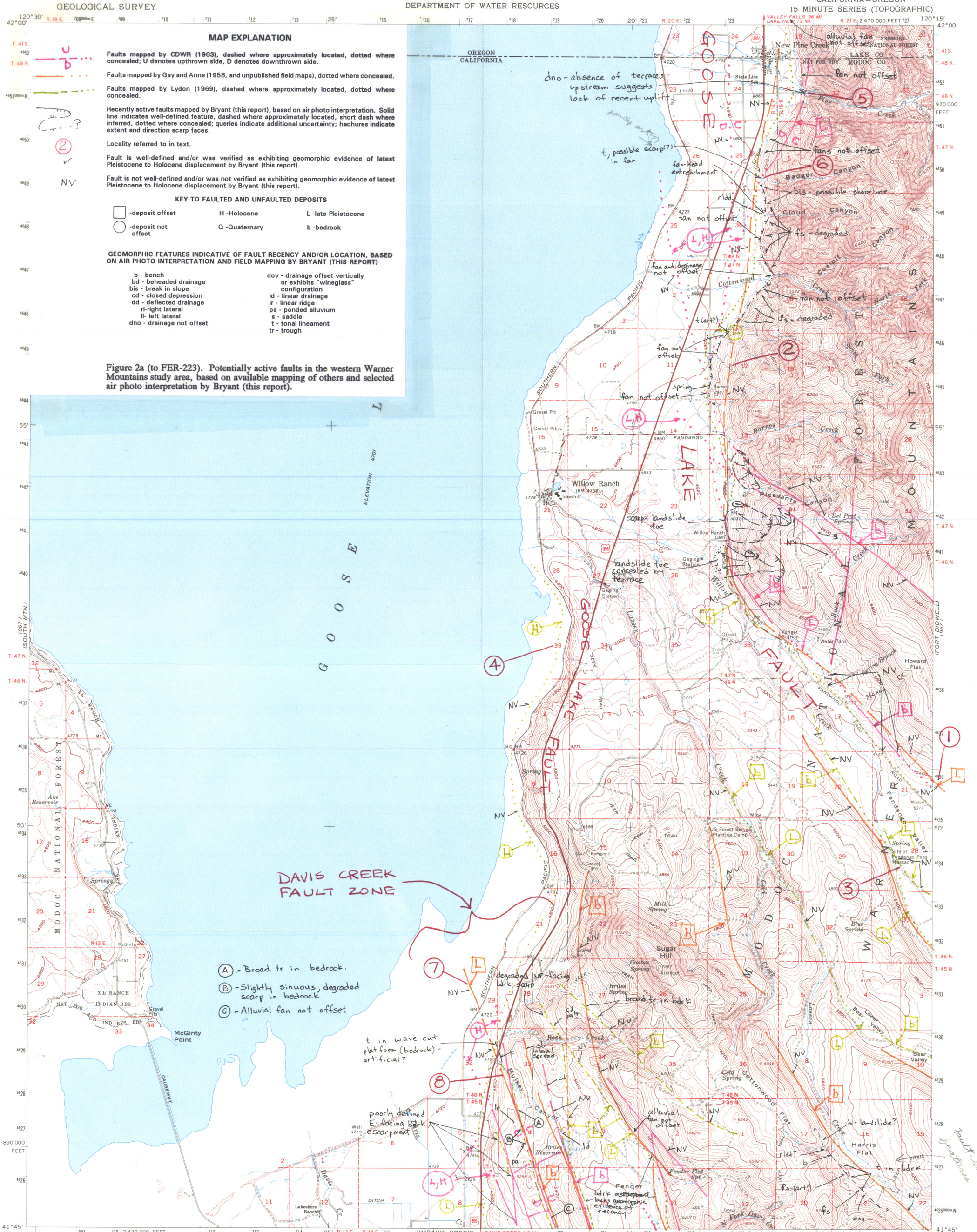
KEY TO FAULTED AND UNFAULTED DEPOSITS

□ -deposit offset	H -Holocene	L -late Pleistocene
○ -deposit not offset	Q -Quaternary	b -bedrock

GEOMORPHIC FEATURES INDICATIVE OF FAULT RECENCY AND/OR LOCATION, BASED ON AIR PHOTO INTERPRETATION AND FIELD MAPPING BY BRYANT (THIS REPORT)

b - bench
bd - beheaded drainage
bis - break in slope
cd - closed depression
dd - deflected drainage
rl-right lateral
ll- left lateral
dno - drainage not offset
dov - drainage offset vertically or exhibits "wineglass" configuration
ld - linear drainage
lr - linear ridge
pa - ponded alluvium
s - saddle
t - tonal lineament
tr - trough

Figure 2a (to FER-223). Potentially active faults in the western Warner Mountains study area, based on available mapping of others and selected air photo interpretation by Bryant (this report).



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958. Field checked 1962

Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zone 1
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue

Where omitted, land lines have not been established

UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:62 500

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route

QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

WILLOW RANCH, CALIF.–OREG.
N4145—W12015/15
1962
AMS 1967 IV—SERIES V795

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