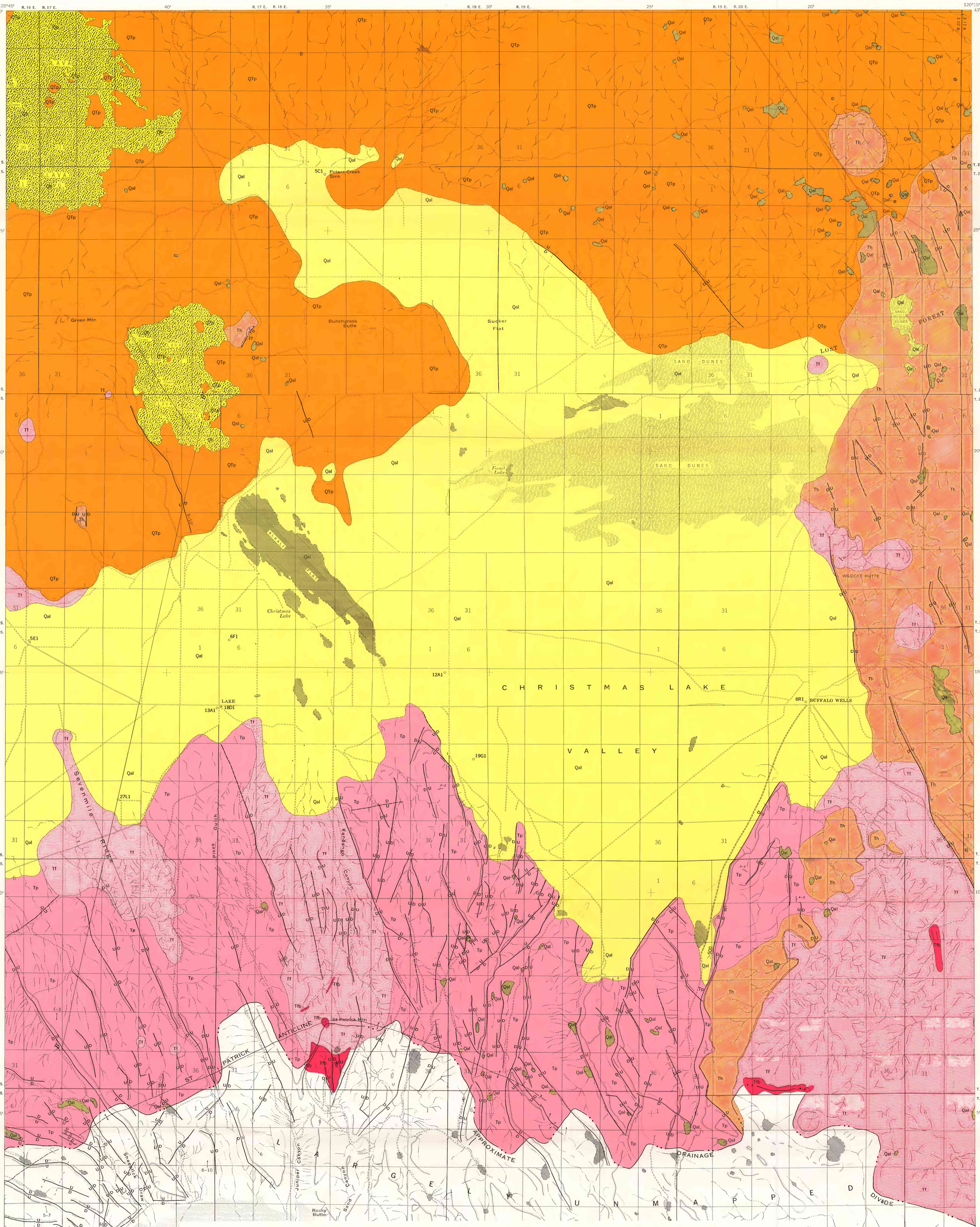

EAST HALF
Sections on west half

EXPLANATION

Qal — **Unconsolidated deposits**
Alluvial, lacustrine, delta, and eolian deposits of gravel, sand, silt, and clay. Alluvial and delta deposits locally yield small amounts of water to wells. Pleistocene and Recent in age

Qb — **Younger basalt**
Basaltic lava, black, scoriaceous, ropy and blocky, unweathered. Occurs above the water table but may be important conduit for infiltrating water. Recent in age

QUATERNARY

UNCONFORMITY

QTp — **Paulina Basalt**
Basaltic lava, dark-gray to black, diktytaxitic, scoriaceous at the top of flows. Probably an important conduit for infiltrating water; yields large amounts of water to wells where tapped below the water table. Pliocene (?) and Pleistocene in age

TERTIARY(?) AND QUATERNARY

UNCONFORMITY

QTpc, QTpu — **Peyerl Tuff**
QTpc, *welded rhyolitic cap rock.*
QTpu, *undifferentiated tuff, welded tuff, and tuffaceous sandstone and conglomerate; of felsic to intermediate composition. Occurs above the water table where penetrated by existing wells. Pliocene or Pleistocene in age*

TERTIARY OR QUATERNARY

UNCONFORMITY

Th — **Hayes Butte Basalt**
Principally flows of gray to dark-gray basalt; some andesitic basalt near eruptive centers. Mostly above the water table; yields moderate quantities of water to wells where saturated

UNCONFORMITY

Tf, Tfb — **Fort Rock Formation**
Basaltic tuff, agglomerate, lava, and diatomite.
Tfb, *basaltic lava. Coarse nonwelded tuffs, basaltic agglomerate, and basalt flows yield moderate to large quantities of water to wells*

UNCONFORMITY

Tvi — **Volcanic rocks of intermediate composition**
Andesitic and rhyodacitic lavas and pyroclastic rocks. No wells are known to obtain water from this unit

UNCONFORMITY

Tp — **Picture Rock Basalt**
Principally flows of gray basalt; locally contains interbeds of pyroclastic material of intermediate composition. Cindery interflow zones yield moderate to large quantities of water to wells

Pliocene

TERTIARY

Contact
Long dashed where approximately located, short dashed where inferred

U D >100 ?

Fault
Dashed where approximately located, dotted where concealed; queried where probable. U, *upthrown side;* D, *downthrown side. Number and symbol (>, greater than; <, less than) refer to approximate displacement, in feet*

Asymmetric anticline, showing crestline
Dashed where approximately located; queried where probable. Short arrow indicates steeper limb

3

Strike and dip of beds

8–10

Apparent dip

27L1

Well
Well-numbering system described in text

Type section

R

Reference section

TRUE NORTH
MAGNETIC NORTH
20°
APPROXIMATE MEAN DECLINATION, 1964

GEOLOGIC MAP AND SECTIONS OF THE FORT ROCK BASIN, LAKE COUNTY, OREGON SHOWING LOCATION OF SELECTED WELLS

SCALE 1:62 500

1 ½ 0 1 2 3 4 5 MILES

1 .5 0 1 2 3 4 5 KILOMETERS

DATUM IS MEAN SEA LEVEL