STATE OF OREGON
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
DONALD A. HULL, STATE GEOLOGIST

LAVA CAST FOREST QUADRANGLE
OREGON–DESCHUTES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN-FILE REPORT O-88-3

REVISION 1-7-88

FUZZTAIL BUTTE QUADRANGLE
OREGON–DESCHUTES CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

NEWBERRY CRATER GEOTHERMAL RESOURCE AREA

(Boundaries are approximate)

- KGRA Boundary (Known Geothermal Resource Area)
- USFS Leasing denied boundary (proposed)
- Energy Facility Siting Council Boundaries
- EFSC "less suitable"
- EFSC "unsuitable"
- Deschutes County Exclusion Zone
- Topographic Crater Rim
- Ring fractures
- Proposed well location
- Suspended or shut-in well
- Abandoned well

EFSC "less suitable"

Deschutes County Exclusion Zone &
EFSC "unsuitable"

KGRA

USFS

Crater Rim

USFS

EFSC "unsuitable"

EFSC "less suitable"

KGRA

PHILLIPS 3 60' ('76)

GEO-NEWBERRY N-3 4002' ('86)

CAL-ENERGY CE-NB-4 4020' ('86)

PHILLIPS 5 105' ('76)

PHILLIPS 6 206' ('76)

UNION 83-8 2000' ('83)

GEO-NEWBERRY N-2 ('86)

OCCIDENTAL (SANTA FE) 28 4000' ('84)

OCCIDENTAL (SANTA FE) 72-03 4501' ('84)

UNION 83-9 2000' ('83)

GEO-NEWBERRY N-5 ('87)

USGS 2 3057' ('79)

USGS 3 610' ('80)

ORVAIL BUCKNER RDO 1 1390' ('83)

UNION 82-10 2000' ('82)

GEO-NEWBERRY N-4 ('87)

UNION 82-9 2000' ('82)

CAL ENERGY CE-NB-3 4348' ('86)

GEO-NEWBERRY N-1 4550' ('85)

PAULINA LAKE

EAST LAKE

NEWBERRY CRATER

DESCHUTES NATIONAL FOREST

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1957. Field checked 1963

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

To place on the predicted North American Datum 1983, move the projection lines 20 meters north and 92 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

SCALE 1:24 000

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

Revisions shown in purple compiled by the U.S. Forest Service from aerial photographs taken 1979 and other source data. This information not field checked. Map edited 1981

ROAD CLASSIFICATION
Medium-duty — Light-duty
Unimproved dirt

PAULINA PEAK, OREG.
N4337.5—W12115/7.5
1963
PHOTOREVISED 1981
DMA 4771 III NE—SERIES V892

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1974. Field checked 1978

Map edited 1982

Projection and 10,000-foot grid ticks: Oregon coordinate system, south zone (Lambert conformal conic)
1000-meter Universal Transverse Mercator grid, zone 10
1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 20 meters north and 92 meters east as shown by dashed corner ticks

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UTM GRID AND 1982 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 20 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092
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QUADRANGLE LOCATION

ROAD CLASSIFICATION
Primary highway, hard surface — Light-duty road, hard or improved surface
Secondary highway, hard surface — Unimproved road
Interstate Route — U. S. Route — State Route

EAST LAKE, OREG.
N4337.5—W12107.5/7.5
1982