UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

# FRIEND QUADRANGLE
OREGON—WASCO CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

1774 IV NW (FIVEMILE BUTTE)
1774 IV NE (WOLF RUN)
1774 I NW (DUFUR WEST)
1774 IV SW (FLAG POINT)
1774 I SW (POSTAGE STAMP BUTTE)
1774 III NW (ROCK CREEK RESERVOIR)
1774 III NE (WAMIC)
1774 I NW (TYGH VALLEY)

121°22′30″ — 45°22′30″ — 121°15′ — 45°15′

R. 11 E. — R. 12 E.

1 780 000 FEET — 620 000 FEET — 580 000 FEET

T. 2 S. — T. 3 S. — T. 4 S.

1.8 MI. TO OREG. 35

DUFUR 13 MI.

BONNEY CROSSING 1.9 MI.

WAMIC 1.9 MI.

Larch Creek — Owl Hollow — Jordan Creek — Pen Creek — Tygh Creek — Little Badger Creek — Badger Creek — Pine Creek — Friend — Jordan Creek — Tygh Creek

NORTH JORDAN CREEK ROAD — SOUTH JORDAN CREEK ROAD — NORTH PEN CREEK ROAD — SOUTH PEN CREEK ROAD — BALL POINT TR — DOUGLAS CABIN ROAD — HAPPY RIDGE ROAD — JEEP TRAIL — JEEP TRAIL

NATIONAL FOREST BOUNDARY — GAME MANAGEMENT AREA BOUNDARY

M T H O O D
N A T I O N A L F O R E S T
W H I T E R I V E R S T A T E G A M E M A N A G E M E N T A R E A
H A P P Y R I D G E

WHITE RIVER STATE GAME MANAGEMENT AREA

Little Badger Campground — Camp Morrow — Gravel Pit — Cem — VABM Smith △2145 — Pine Hollow Lake — HIGHLAND DITCH

BM 2292 — BM 2451

SCALE 1:24 000

1 MILE — 1000 0 1000 2000 3000 4000 5000 6000 7000 FEET — 1 KILOMETER

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

GN MN — 1°12′ 21 MILS — 19° 338 MILS
UTM GRID AND 1987 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

ROAD CLASSIFICATION
Medium-duty — Light-duty
Unimproved dirt

OREGON
QUADRANGLE LOCATION

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1956. Field checked 1962

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

Fine red dashed lines indicate selected fence lines

To place on the predicted North American Datum 1983, move the projection lines 21 meters north and 91 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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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

Revisions shown in purple compiled from aerial photographs taken 1981 and other sources
This information not field checked. Map edited 1987

FRIEND, OREG.
45121-C3-TF-024

1962
PHOTOREVISED 1987
DMA 1774 IV SE—SERIES V892

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1987

USGS MAP HISTORICAL MAP
JUN 09 1988
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