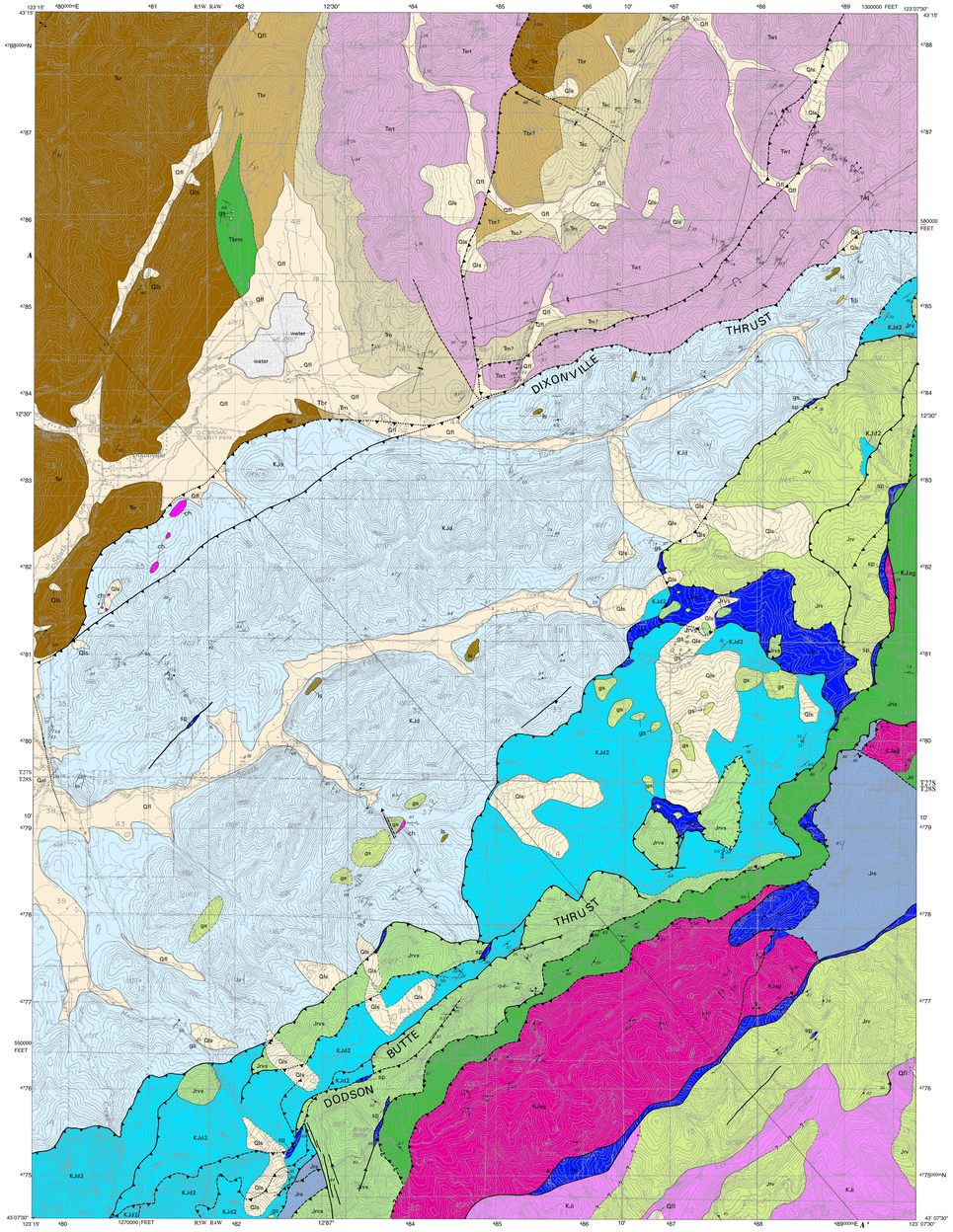
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT 01–226
Version 1.0



Base from Digital Raster Graphic (DRG) Topographic base map, U.S. Geological Survey, Reston, Virginia; scale 1:24,000 Universal Transmercator projection, zone 10

TRUE NORTH
MAGNETIC NORTH
19°
APPROXIMATE MEAN DECLINATION

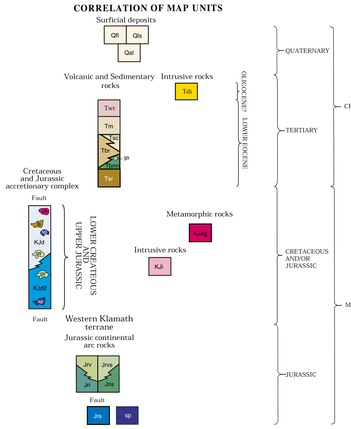
SCALE 1:24 000
1 ½ 0 1 MILE
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 40 FEET
SUPPLEMENTARY CONTOUR INTERVALS 20 FEET
NATIONAL GEODETIC DATUM OF 1929

OREGON
QUADRANGLE LOCATION

INTERIOR—GEOLOGICAL SURVEY, RESTON, VA—1994
Geology mapped by A.S. Jayko 1992-1993 and
by R.E. Wells 1993
G.I.S. database by R.Griffer, J.S. Fenton,
and M. Sinor

CORRELATION OF MAP UNITS



LIST OF MAP UNITS

- **Qfl** — **Fluvial deposits (Holocene and Pleistocene?)**
- **Qls** — **Landslide deposits (Holocene and Pleistocene?)**
- **Qal** — **Alluvial deposits (Holocene and Pleistocene?)**
- **Tdi** — **Tertiary intrusive rocks (Oligocene?)**

Umpqua Group - locally divided into:

- **Twt** — **White Tail Ridge Formation (lower Eocene)**
- **Tm** — **Tenmile Formation (lower Eocene)**
- **Tbr** — **Bushnell Rock Formation (lower Eocene)**

locally divided into:

- **Tsc** — **Slater Creek member**
- **Tbrm** — **Bushnell Rock debris flow unit** - Includes blocks of greenstone (gs).
- **Tsr** — **Siletz River Volcanics (lower Eocene)**

Metamorphic rocks

- **KJag** — **Augen gneiss (Cretaceous and/or Jurassic)**

Intrusive Complex

- **KJi** — **Intrusive rocks (Cretaceous and/or Jurassic?)**

Accretionary Complex

- **KJd** — **Dothan Formation (Lower Cretaceous and Upper Jurassic)** - Includes blocks of greenstone (gs), radiolarian chert (ch), and limestone (ls).
- **KJd2** — **Semischistose Dothan Formation (Lower Cretaceous and Upper Jurassic)** - Includes blocks of greenstone (gs) and serpentinite (sp).

Western Klamath Terrane
Jurassic continental arc complex

- **Jrv** — **Rogue Formation (Upper Jurassic)**
- **Jrvs** — **Schistose Rogue Formation (Upper Jurassic)**
- **Jri** — **Mafic intrusive unit (Late Jurassic?)**
- **Jris** — **Schistose mafic intrusive unit (Late Jurassic?)**
- **Jrs** — **Serpentinized ultramafic rock (Jurassic?)**
- **sp** — **Serpentinite**

Contact

Fault—Dashed where inferred; dotted where concealed; hollow arrow indicates dip of fault and solid arrow represents slip lineation where known

Thrust fault—Teeth on upper plate; hollow arrow indicates dip of fault and solid arrow represents slip lineation where known

Strike and dip of beds; arrow shows lineation

Strike and dip of beds with tops

Strike of vertical beds

Strike and dip of overturned beds

Strike and dip of overturned beds with tops

Foliation, arrow shows lineation

Crumpled bedding

Brittle fracture foliation

Inclined clevage

Unmineralized joint

Minor fold axis - outcrop scale fold (meters wide)

Fold axis
anticline—upright; overturned; plunge show where known
syncline—upright; overturned; plunge show where known

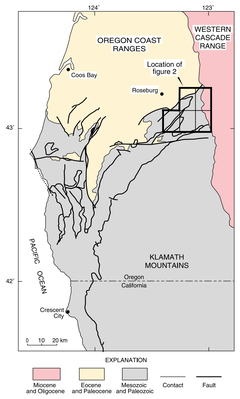
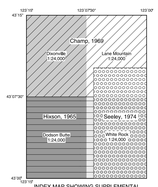


Figure 1. Location Map modified from Ryberg (1984) and Coleman and Lanphere (1991)



INDEX MAP SHOWING SUPPLEMENTAL SOURCES OF GEOLOGIC MAPPING

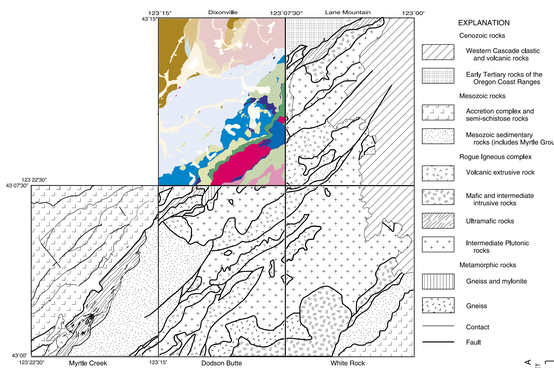
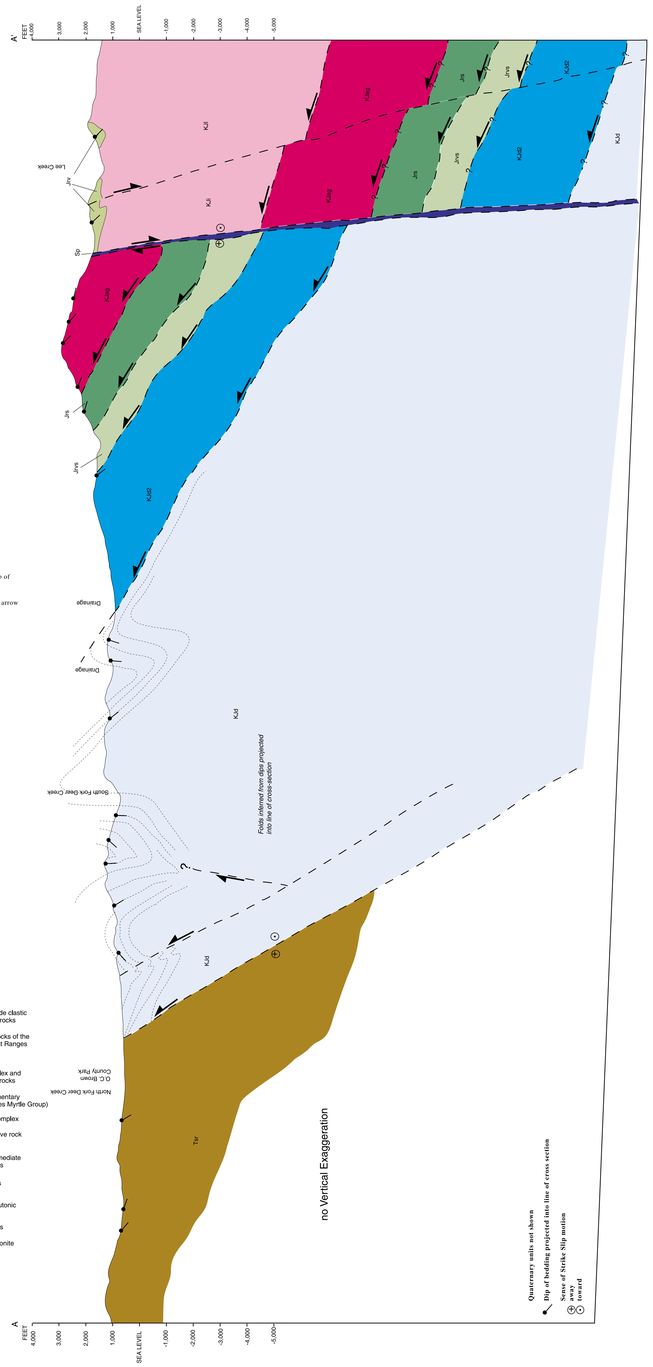


Figure 2. Generalized tectonic map of the Lane Mountain, White Rock, Dixonville, Dodson Butte, and Myrtle Creek 1:24,000 quadrangles



RECONNAISSANCE GEOLOGIC MAP OF THE DIXONVILLE 7.5 MINUTE QUADRANGLE, SOUTHWEST OREGON

By
A. S. Jayko and R. E. Wells

2001

This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

For sale by U.S. Geological Survey, Denver, Colorado 80225 or Reston, Virginia 22092