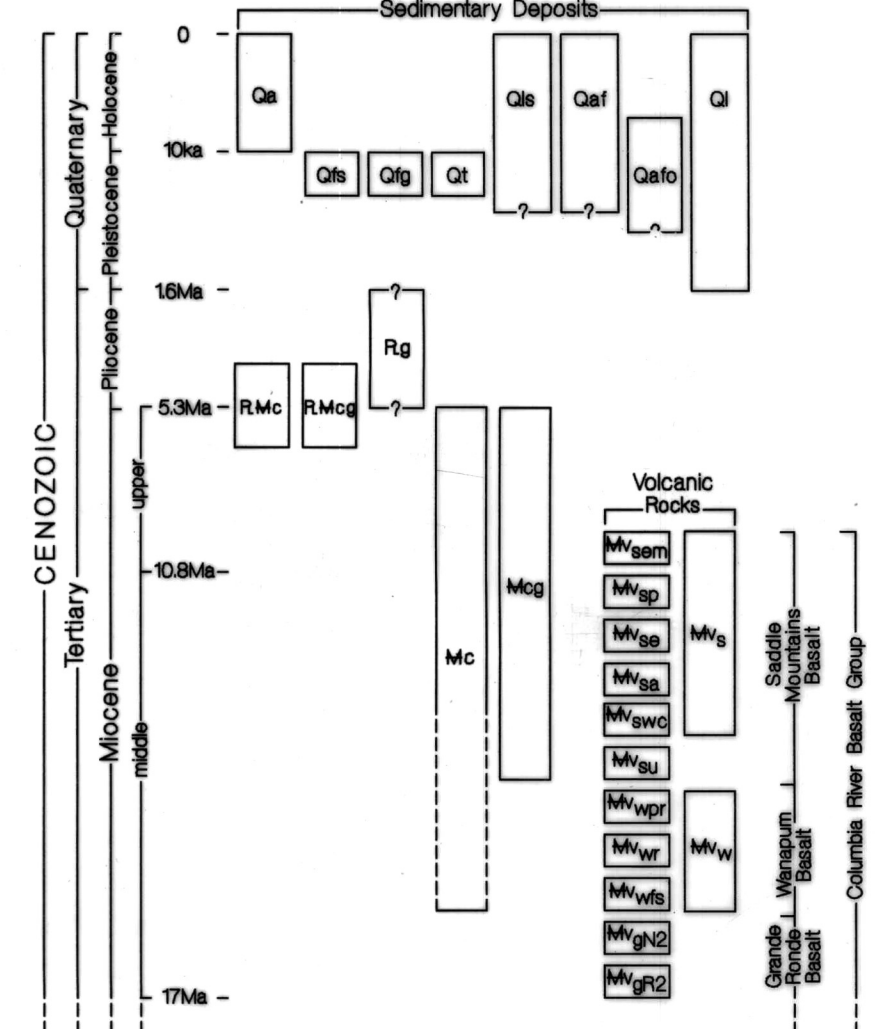




WASHINGTON STATE DEPARTMENT OF  
**Natural Resources**  
Jennifer M. Belcher - Commissioner of Public Lands  
Kaleen Cottingham - Supervisor

### CORRELATION DIAGRAM



### GEOLOGIC UNITS

#### SEDIMENTARY DEPOSITS AND ROCKS

##### QUATERNARY SEDIMENTARY DEPOSITS

- Qa Alluvium (Holocene)
- Qls Mass-wasting deposits (Holocene to Pleistocene)
- Ql Loess (Holocene to Pleistocene)
- Qaf Alluvial fans (Holocene to Pleistocene)
- Qfo Older alluvial fans (Holocene to Pleistocene)
- Qfs Outburst flood deposits, silt and sand (Pleistocene)
- Qfg Outburst flood deposits, gravel (Pleistocene)
- Qt Terrace deposits (Pleistocene)

##### TERTIARY SEDIMENTARY DEPOSITS AND ROCKS

- Rg Gravels (Pliocene)
- Rmc Continental sand, silt, and clay beds (Pliocene to upper Miocene)
- Rmcg Conglomerate (Pliocene to upper Miocene)
- Mc Continental sedimentary deposits (upper and middle Miocene)
- Mcg Continental sedimentary deposits, conglomerate (upper Miocene)

##### TERTIARY VOLCANIC ROCKS

##### COLUMBIA RIVER BASALT GROUP

##### SADDLE MOUNTAINS BASALT

- MVs Saddle Mountains Basalt, undivided (upper and/or middle Miocene)
- MVsem Elephant Mountain Member (upper Miocene)
- MVsp Pomona Member (middle Miocene)
- MVse Esquatzel Member (middle Miocene)
- MVsa Astin Member (middle Miocene)
- MVswc Wilbur Creek Member (middle Miocene)
- MVsu Umatilla Member (middle Miocene)

##### WANAPUM BASALT (MIDDLE MIOCENE)

- MVw Wanapum Basalt, undivided
- MVwpr Priest Rapids Member
- MVwr Roza Member
- MVws Frenchman Springs Member

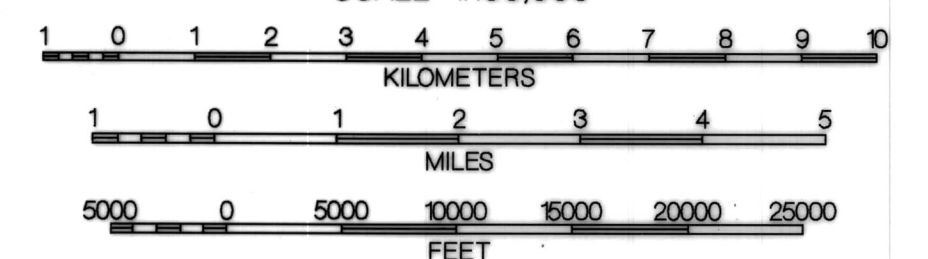
##### GRANDE RONDE BASALT (MIDDLE MIOCENE)

- MVgn2 Upper flows of normal magnetic polarity
- MVgr2 Upper flows of reversed magnetic polarity

### EXPLANATION

- ?— contact, queried where uncertain
- - - - - scratch boundary (indicates unreconciled differences between source maps)
- . . . - fault, dotted where concealed
- . . . ? - normal fault, dotted where concealed, queried where uncertain, bar and ball on downthrown side
- . . . ? - thrust fault, dotted where concealed, queried where uncertain, teeth on upper plate
- . . . ? - strike-slip fault, dotted where concealed, queried where uncertain, arrows show relative movement
- . . . - anticline, dotted where concealed, showing plunge direction
- . . . - syncline, dotted where concealed, showing plunge direction
- . . . - monocline, dotted where concealed, arrow on steeper limb
- 6/ strike and dip of inclined beds
- ← same geologic unit

SCALE 1:100,000



CONTOUR INTERVAL 20 AND 50 METERS

NATIONAL GEODETIC VERTICAL DATUM OF 1929

PROJECTION AND 10,000-METER GRID, ZONE 10:

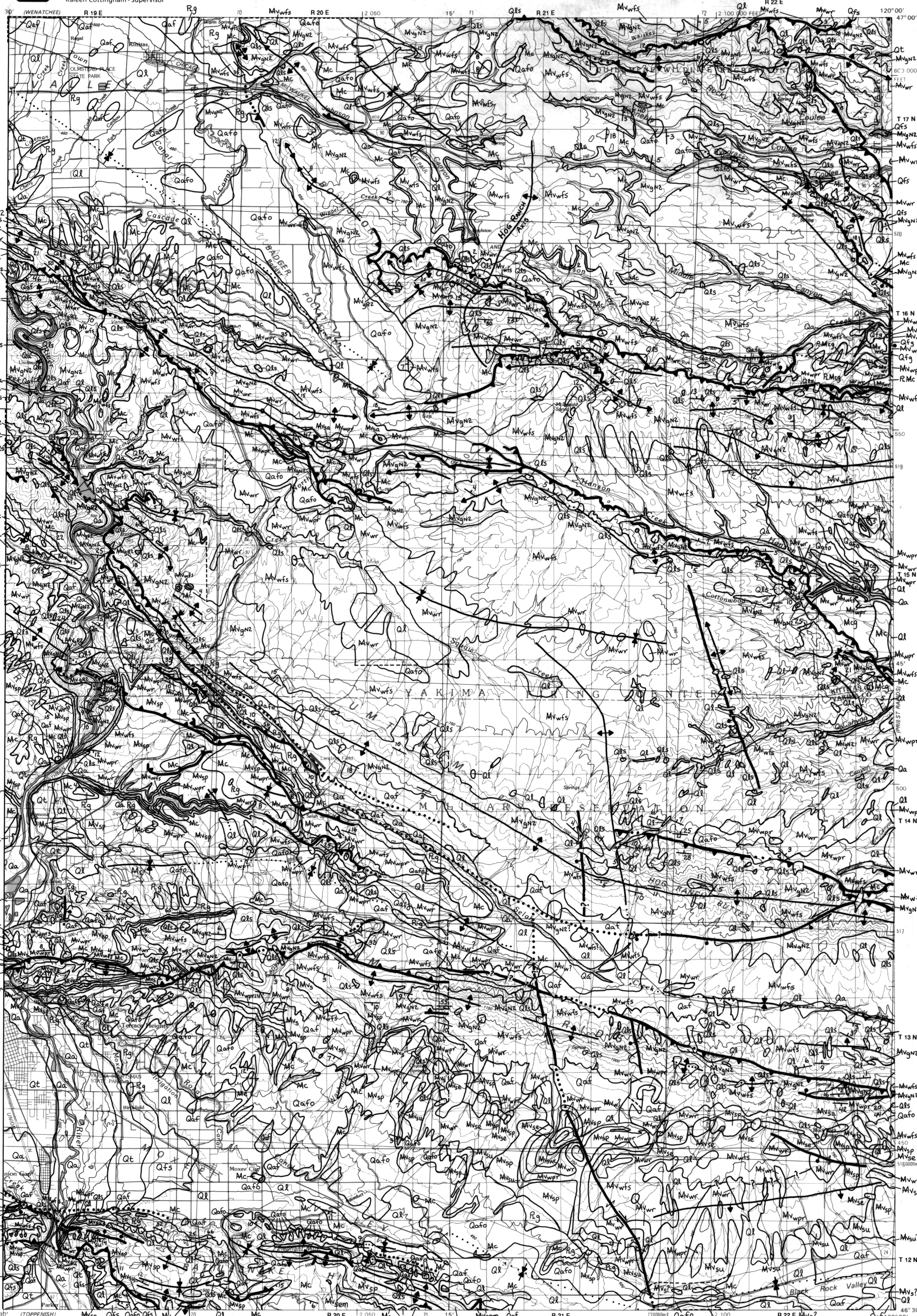
UNIVERSAL TRANSVERSE MERCATOR

50,000-FOOT GRID TICKS BASED ON WASHINGTON COORDINATE SYSTEM, SOUTH ZONE

1927 NORTH AMERICAN DATUM

BASE MAP BY USGS

EDITED - 1978



## GEOLOGIC MAP OF THE EAST HALF OF THE YAKIMA 1:100,000 QUADRANGLE, WASHINGTON



MAP AREA LOCATION

Compiled by

J. ERIC SCHUSTER

JUNE 1994

UTM GRID AND 1978 MAGNETIC NORTH  
DECLINATION AT CENTER OF PUBLISHED QUADRANGLE