

# Geologic Map of the Coquille 7.5' Quadrangle, Coos County, Oregon

2015

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Geologic Map of the Southern Oregon Coast  
Between Bandon, Coquille, and Sunset Bay,  
Coos County, Oregon  
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PLATE 2

## EXPLANATION OF MAP UNITS

See Explanation of Map Units in the accompanying pamphlet for complete unit descriptions.

NOTE: Geology was mapped at a maximum scale of 1:8,000; 1:34,000-scale plates cannot show all the detail of 1:8,000-scale geologic mapping. Please use the original digital source data contained in the accompanying Eri ArcGIS® geodatabase to explore the geology and structure in full detail.

### UPPER CENOZOIC SURFICIAL DEPOSITS

#### ANTHROPOCENE SURFICIAL DEPOSITS

Al	modern fill and construction material (Anthropocene)
Aa	alluvium (Anthropocene) - divided to show:
Aac	channel deposits (Anthropocene)

#### HOLOCENE SURFICIAL DEPOSITS

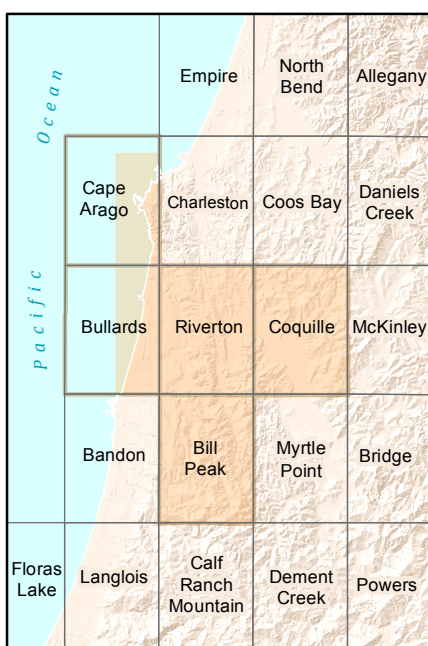
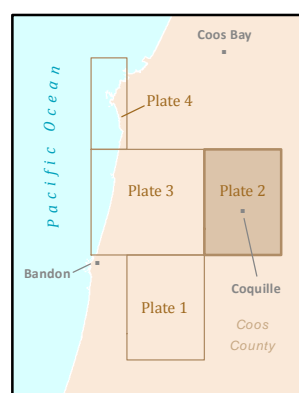
Ha	alluvium (Holocene)
Haf	alluvial fan deposits (Holocene)
Hdf	debris fan deposits (Holocene)
Hls	landslide deposits (Holocene)

#### QUATERNARY SURFICIAL DEPOSITS

Qa	alluvium (Holocene(?) and upper Pleistocene(?))
Qls	landslide deposits (Holocene(?) and upper Pleistocene(?))

Fluvial terrace deposits and strath terraces (upper Pleistocene) divided to show:

Qn1	fluvial terrace sediments 1 (upper Pleistocene)
Qn2	fluvial terrace sediments 2 (upper Pleistocene)
Qn3	fluvial terrace sediments 3 (upper Pleistocene)
Qn4	fluvial terrace sediments 4 (upper Pleistocene)
Qn5	fluvial terrace sediments 5 (upper Pleistocene)



Clockwise starting at top left:  
1. Location map.  
2. Project area with U.S. Geological Survey 7.5-minute quadrangles outlined in brown and map plate extent shown with a filled semi-opaque orange polygon.  
3. Map plate extent shown with a filled semi-opaque dark brown polygon.

#### Unconformity

### LOWER CENOZOIC AND MESOZOIC ROCKS

#### PALEOGENE OVERLAP SEQUENCE

Tab	Bastendorff Shale (upper Eocene)
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Coaledo Formation (middle Eocene) - divided to show:

Tecu	Upper Member (middle Eocene)
Tecm	Middle Member (middle Eocene)
Tecd	Lower Member (middle Eocene)

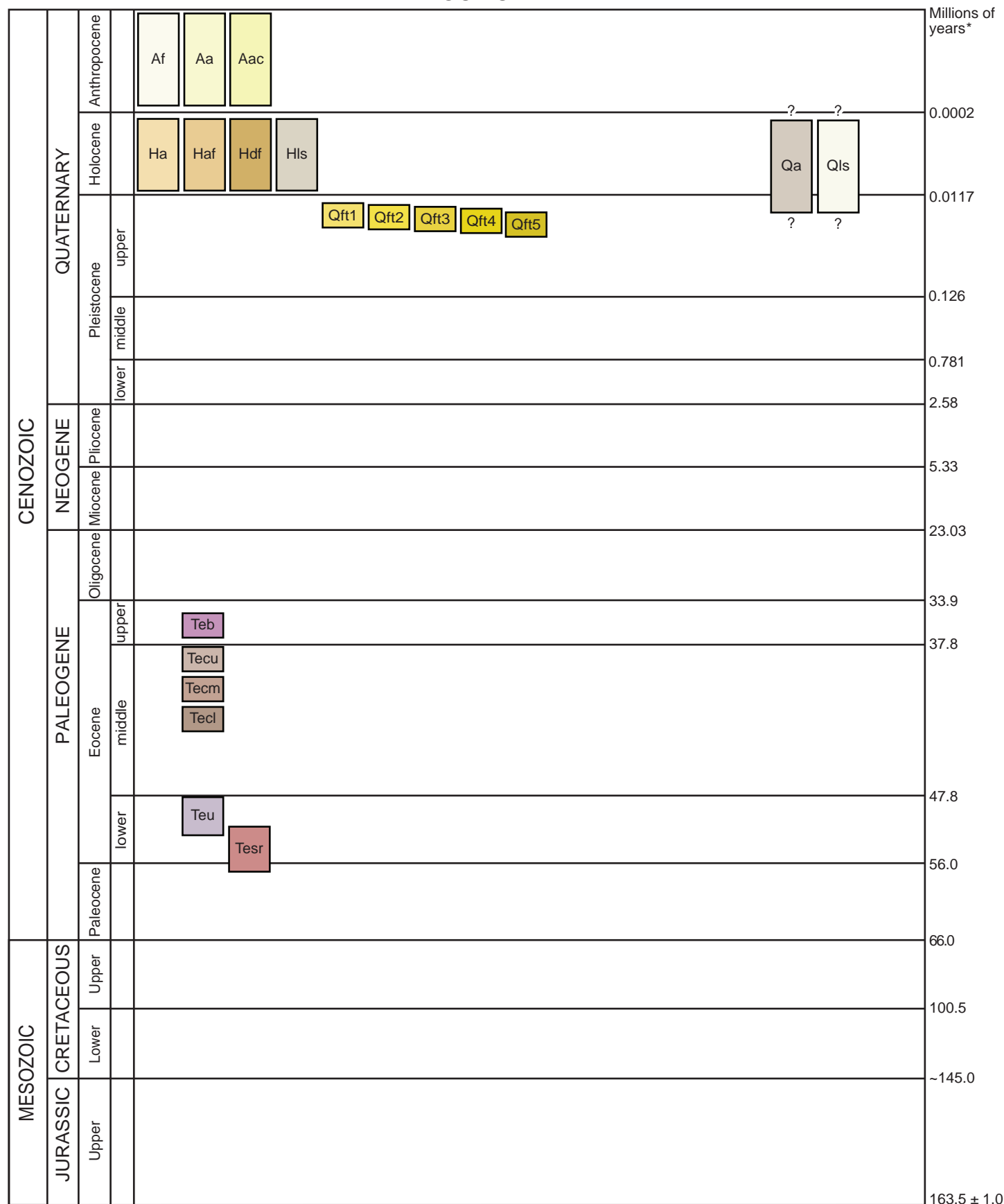
Tsu	Umpqua Group (lower Eocene)
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#### Unconformity

#### SILETZ TERRANE

Tscr	Siletz River Volcanics (Paleocene to lower Eocene)
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## TIME-ROCK CHART



\*International Chronostratigraphic Chart, International Stratigraphic Commission, 2015V1. Time scale after Gradstein and others (2004), Ogg and others (2008), and Cohen and others (2013). <http://www.stratigraphy.org/index.php/ics-chart-timescale>

## EXPLANATION OF SYMBOLS

	Waterbody		Lidar-derived elevation		Contact — solid line where accurately located, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried where uncertain.
	Stream		Horizontal bedding		Fault — solid line where accurately located, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried where uncertain.
	Road		Inclined bedding showing strike and dip		Normal fault — ball and bar on downthrown block. Solid line where accurately located, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried where uncertain.
	State Highway		Inclined bedding showing lidar-derived strike and dip		Thrust fault — Solid line where accurately located, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried where uncertain.
	Cross Section		Overturned bedding showing strike and dip		Anticline — solid line where accurately located, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried where uncertain.
					Syncline — solid line where accurately located, long-dashed where approximate, short-dashed where inferred, dotted where concealed, queried where uncertain.

Source Data: DOGAMI Lidar Data Quadrangle LDQ-2009-43124-B2-Coquille. Geologic data and water features are from Oregon Department of Geology and Mineral Industries (2014). Transportation data are from Coos County (2010) and were edited by DOGAMI to improve spatial accuracy of features or to add newly constructed features not present in the original data layer.

Projection: Oregon Statewide Lambert Conformal Conic. Unit: International Feet  
Horizontal Datum: NAD 1983 HARN. UTM Coordinates: Zone10N, NAD83.

Software: Eri ArcGIS® 10.1 and Adobe® Illustrator® CS6

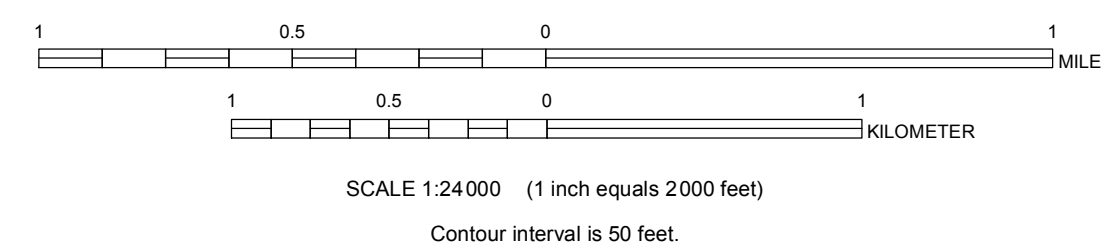
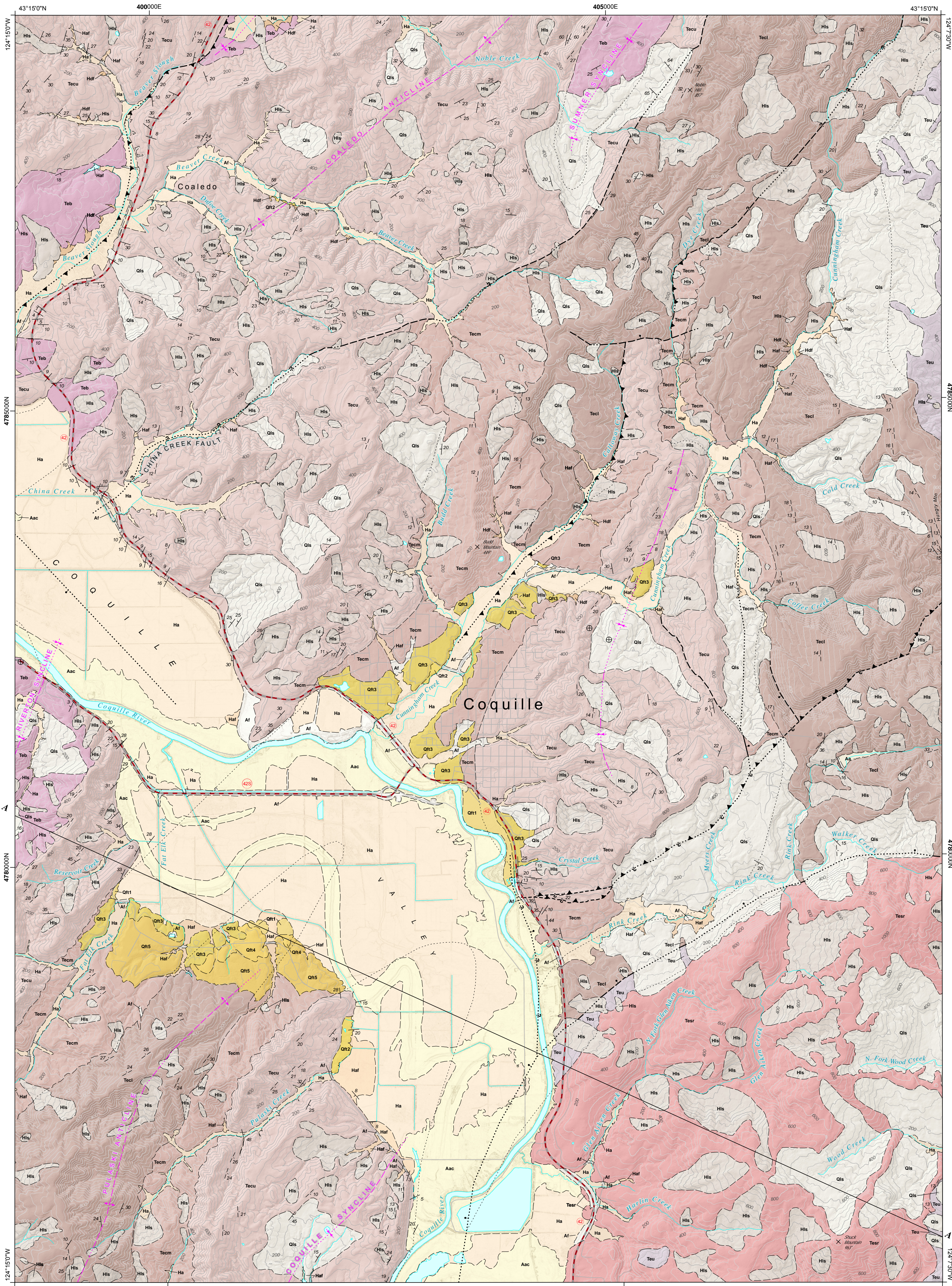
Time-Rock Chart References: Gradstein, F. M., Ogg, J. G., and Smith, A. G., eds., 2004, A geologic time scale 2004: Cambridge, U.K., Cambridge University Press, 589 p.  
Ogg, J. G., Ogg, G., and Gradstein, F. M., 2008, The concise geologic time scale: New York, Cambridge University Press, 177 p.  
Cohen, K. M., Finney, S. C., Gibbard, P. L., and Fan, J.-X., 2013 (updated 2015), The ICS International Chronostratigraphic Chart: Episodes 36, p. 199-204.

Field Work: Conducted in 2014 and 2015 by Thomas J. Wiley, DOGAMI

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NOTICE: This map cannot serve as a substitute for site-specific investigations by qualified practitioners. Site-specific data may give results that differ from those shown on the map. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. government.



## GEOLOGIC CROSS SECTION

Selected Quaternary units not shown in cross section.

