

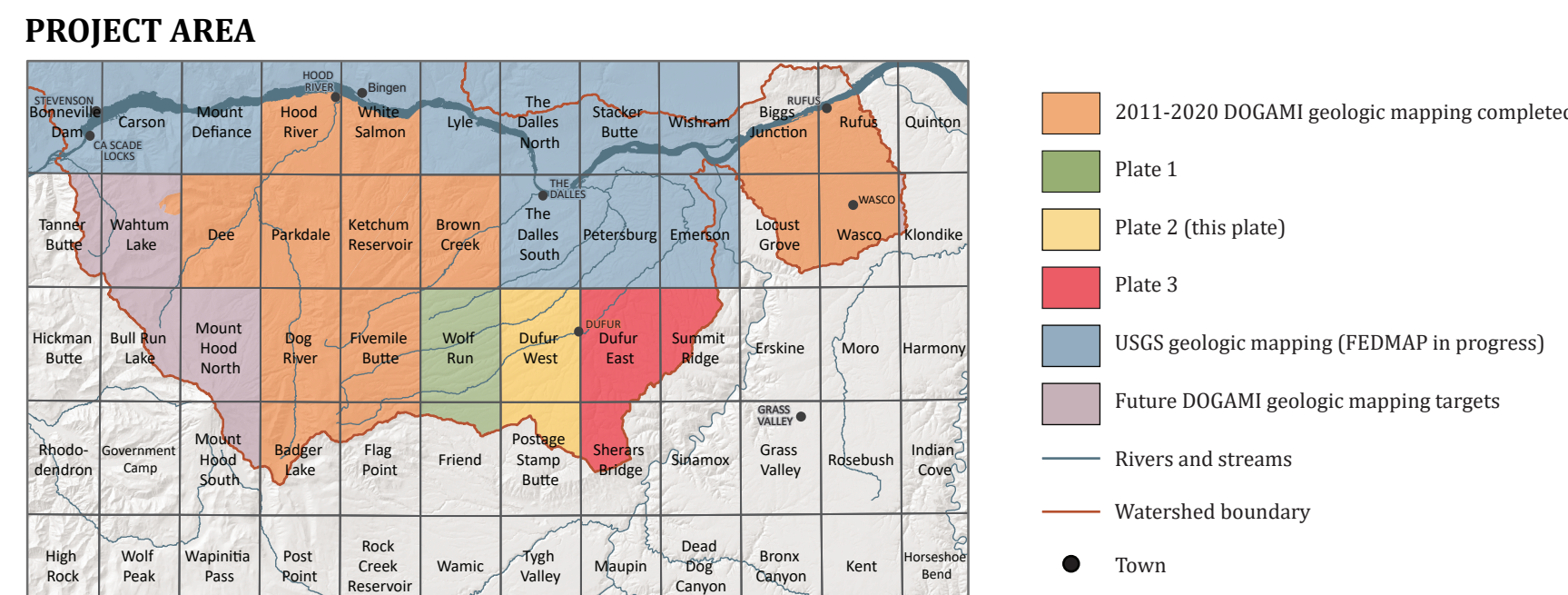
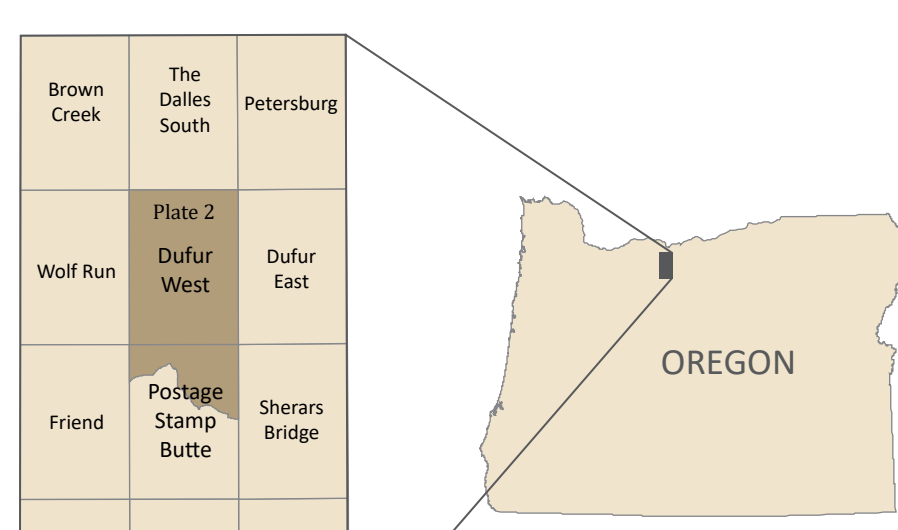
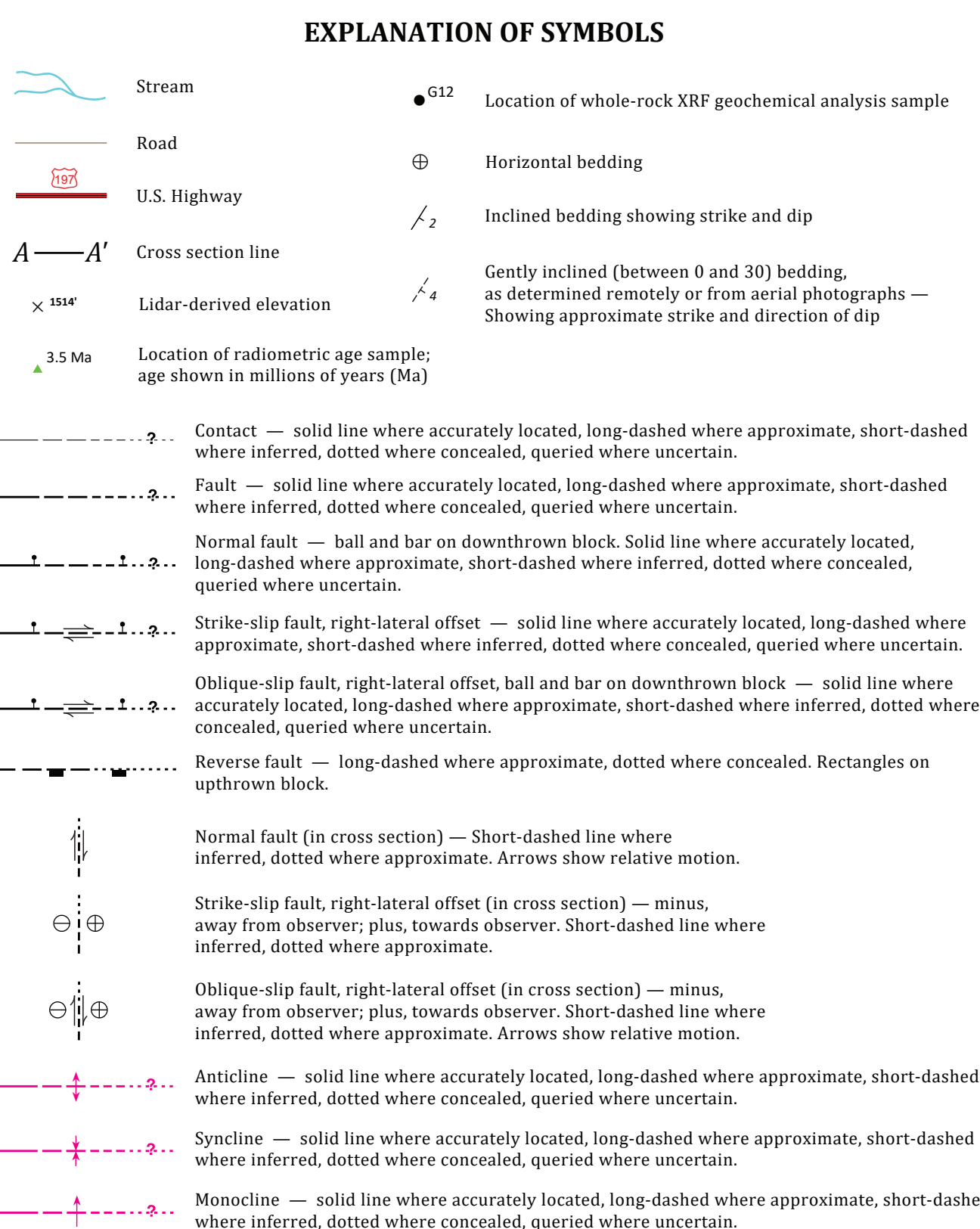
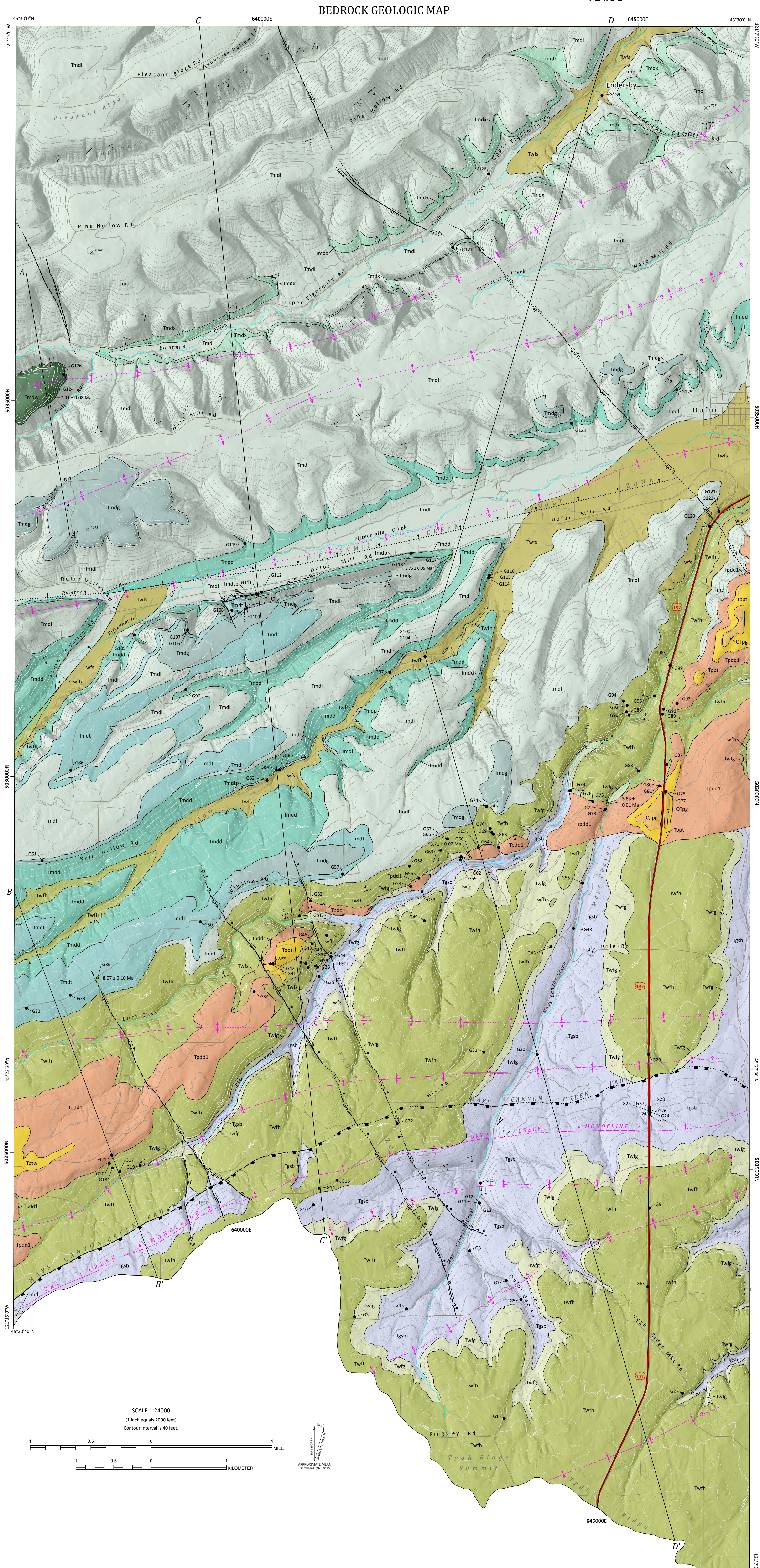
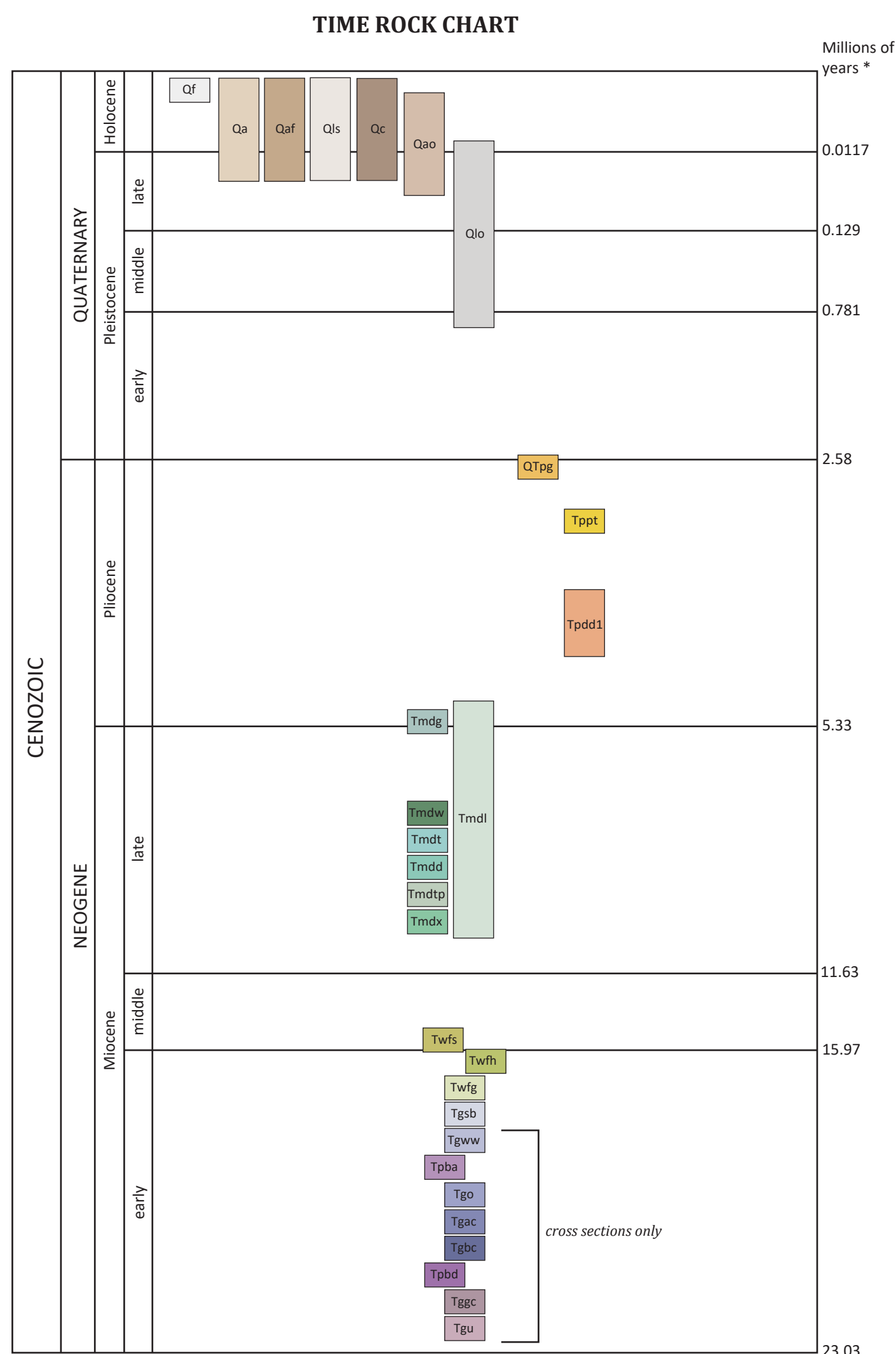
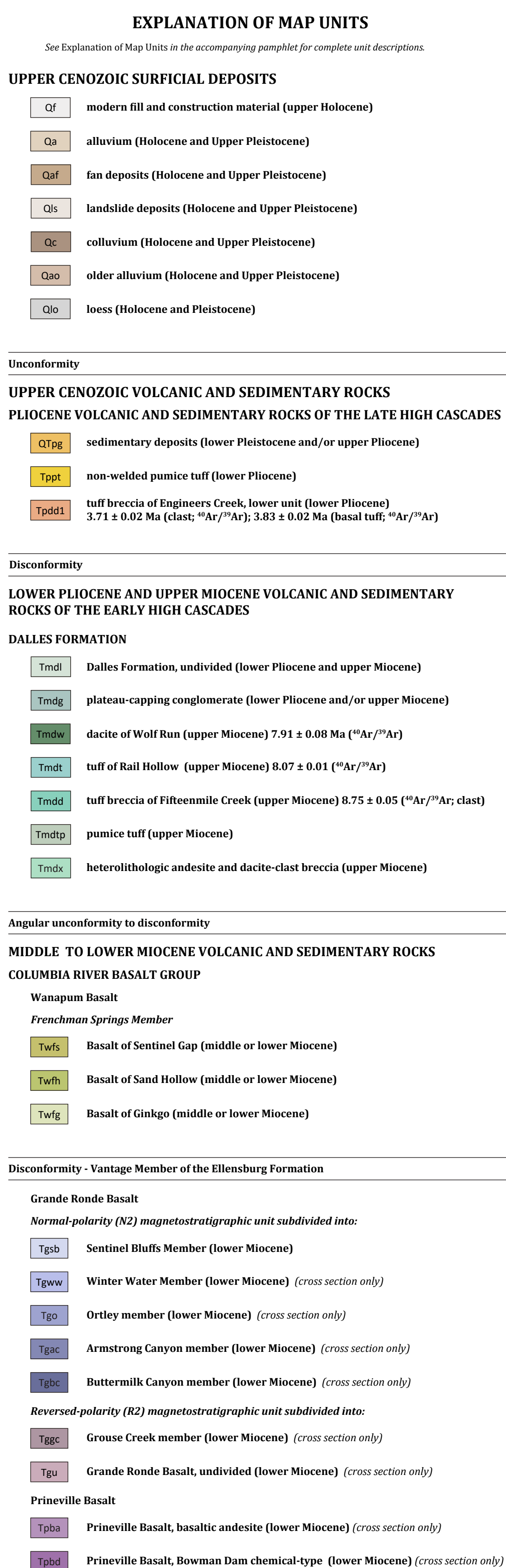
2021

GMS-127

Geologic Map of the Dufur Area, Wasco County, Oregon
By Jason D. McClaughry, Heather H. Herinckx, Clark A. Niewendorf,
Cedric M. Azzonardi, and Joshua A. Hackert

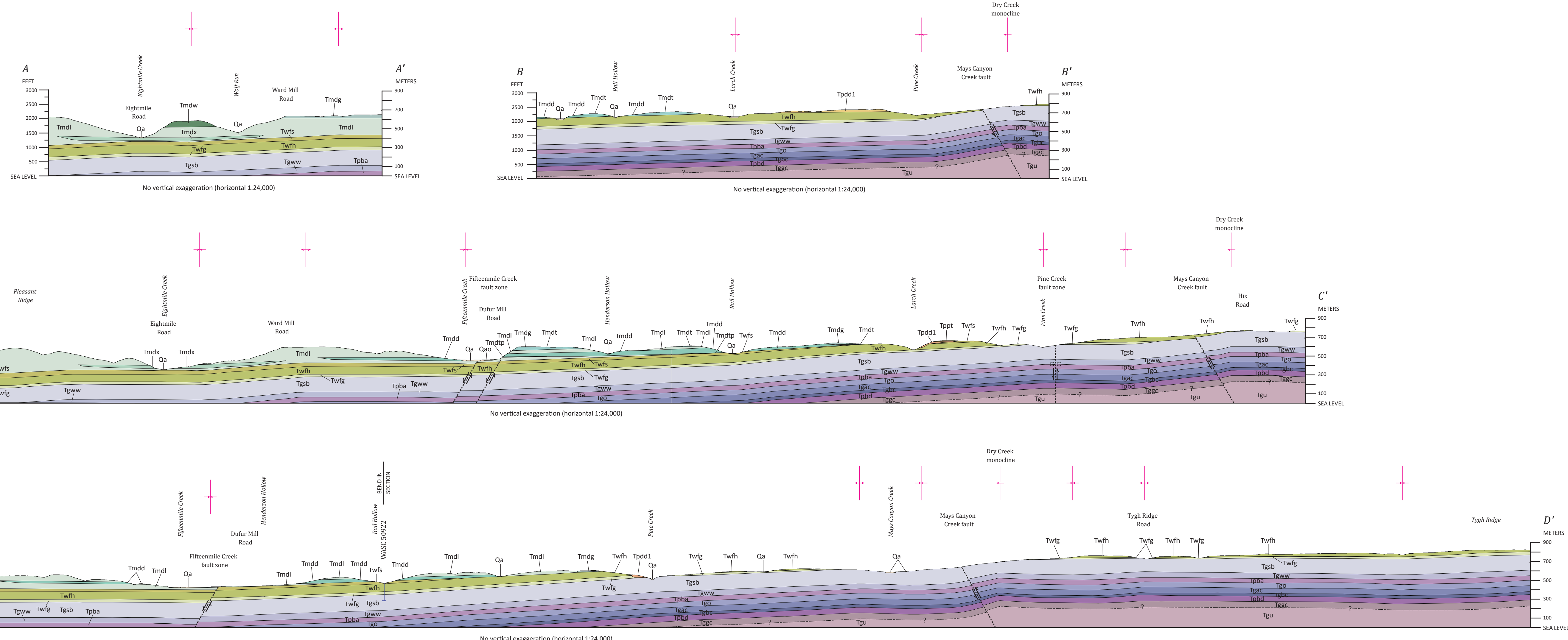
Geologic mapping in the Dufur area was supported through the STATEMAP component of the National Cooperative Geologic Mapping Program under cooperative agreement numbers G15AC00180 (2015) and G20AC00202 (2020), and by the Oregon Water Resources Department (OWRD).

PLATE 2



GEOLOGIC CROSS SECTIONS

Note: Depth of exposure in the area of Plate 2 does not extend beneath the Sentinel Bluffs Member (unit Tg3b). Subsurface interpretation of map units displayed in geologic cross sections beneath unit Tg3b is interpreted on the basis of unpublished geologic mapping and measured stratigraphic sections provided by M.J. Sawlan and J.F. Hagstrum (written communication, 2015) in Butler Canyon (south of Plate 2). The precise northern limit of some ORBG units shown in the subsurface in the geologic cross sections is not known.



Source Data: Oregon Lidar Consortium, 2015. 3-foot, bare earth digital elevation model (DEM) for Postage Stamp Data (45121-42) and Deer Woot (45121-02) quadrangles. Water data from USGS High Resolution National Hydrography Dataset (NHD). *Agisoft*, 2019. *Agisoft* Reference Information System (ARMS) (2017). Road features from Oregon Department of Transportation (ODOT) (2015).

Projection: Oregon Statewide Lambert Conformal Conic, U.S. International Feet. Horizontal datums: NAD 1983 HARN. UTM Coordinate Zone 10N, NAD83.

Software: Esri ArcGIS® 10.7.1 and Adobe® Illustrator® 2019 v23.1

Field Work: Field work conducted by Jason D. McLaughry, Heather H. Herincick, and Joshua A. Hurdick in 2014 and 2015.

References:
Cohen, K. M., Finney, S. C., Gibbard, P. L. and Fox, J.-X., 2013, The KS International Concentration Chart: *Estimates 96*, n. 199/2014.

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