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RADIOMETRIC AGE INFORMATION LAYER FOR OREGON, RELEASE 1 (RAILO-1)

2013

DIGITAL DATA SERIES

Radiometric Age Information Layer for Oregon, Release 1
(RAILO-1)

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PLATE 1

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.

MAP AGE EXPLANATION

Map Symbol	Period Name	Age Name	Millions of Years
	Quaternary	Holocene	0.01
		Pleistocene	
	Tertiary	Pliocene	2.6
		Miocene	5.3
		Oligocene	23.0
		Eocene	33.9
		Paleocene	55.8
			65.5
	Cretaceous	145.5	
	Jurassic	201.6	
	Triassic	251.0	
	Permian	299.0	

Time scale after Walker and Gassman (2009).

PROJECT DESCRIPTION

This map depicts the Radiometric Age Information Layer for Oregon, release 1 (RAILO-1) and shows locations and geologic ages of igneous and metamorphic rock samples. RAILO-1 is a compilation of 2,325 radiometric ages from published and unpublished reports by the Oregon Department of Geology and Mineral Industries (DOGAMI), along with additional data compiled from other sources such as the U.S. Geological Survey (USGS) and the journal *Isotopes from West*. The compiled ages range from 0.0005 million years to 291 million years.

RAILO-1 is provided in Microsoft® Excel® spreadsheet and Geographic Information System (GIS) geospatial database formats. The location of each data point shown in this map was not necessarily verified; refer to the original data source for additional information about location and location uncertainty. Duplicate points were removed when found. This map also includes a list of data sources (references) from which the age information was gathered.

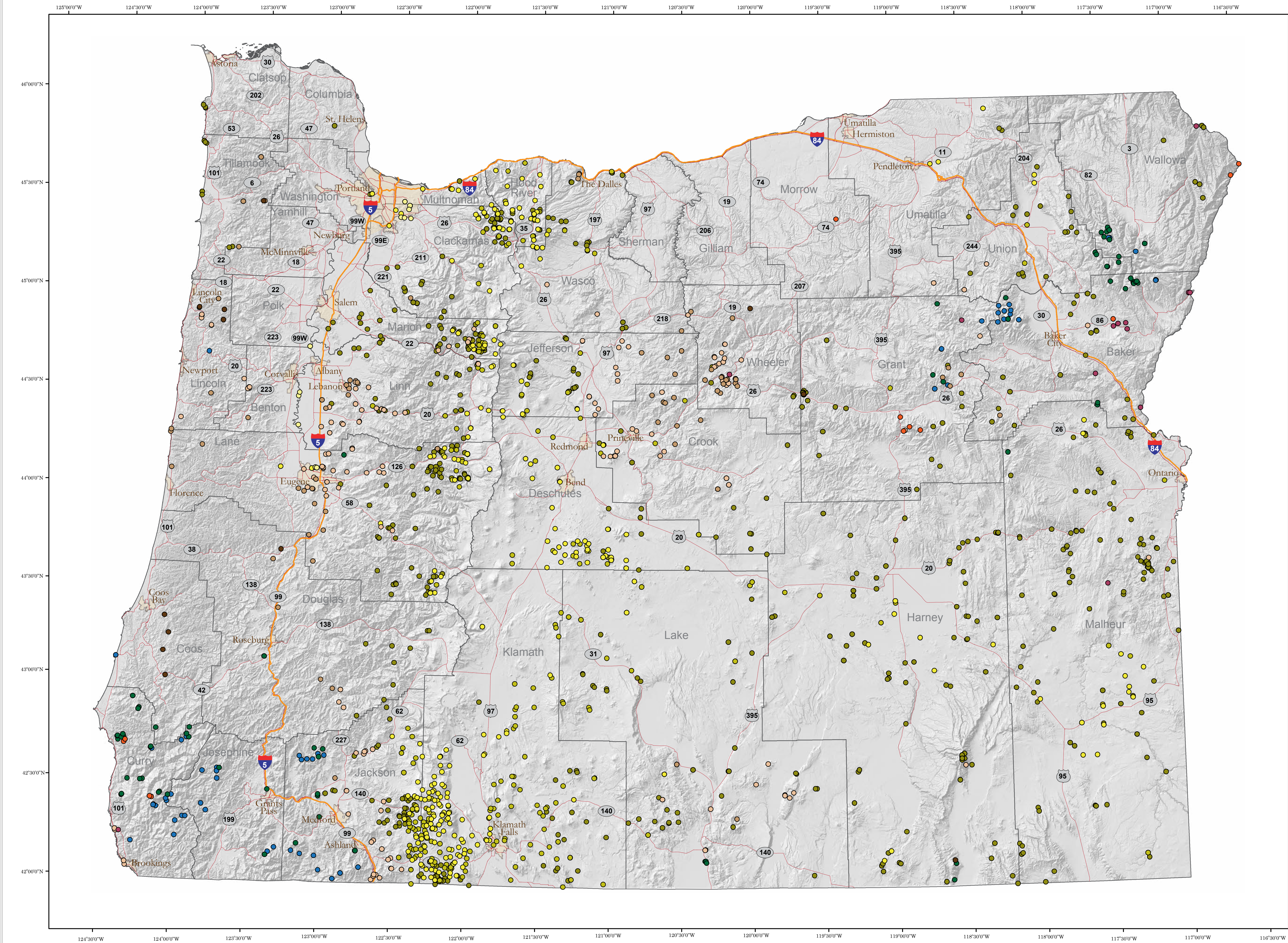
DATA ACCESS

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MAP SYMBOLS

- United States Highway
Oregon State Highway
Interstate Freeway
Counties
Cities

Map Projection Information:
Projection: Lambert Conformal Conic
Units: International Feet
Central Meridian: -121.00
Standard Parallel 1: 43.00
Standard Parallel 2: 45.00
Latitude of Origin: 42.00
Datum: North American 1983

SCALE 1:1,000,000
0 25 50 75 100 MILES
0 25 50 75 100 KILOMETERS

Radiometric Age Information Layer for Oregon, release 1 (RAILO-1)
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