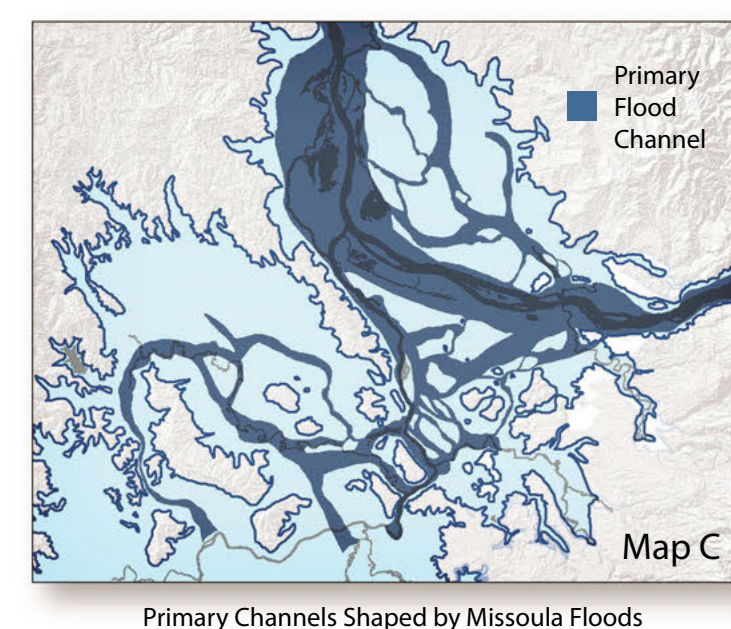
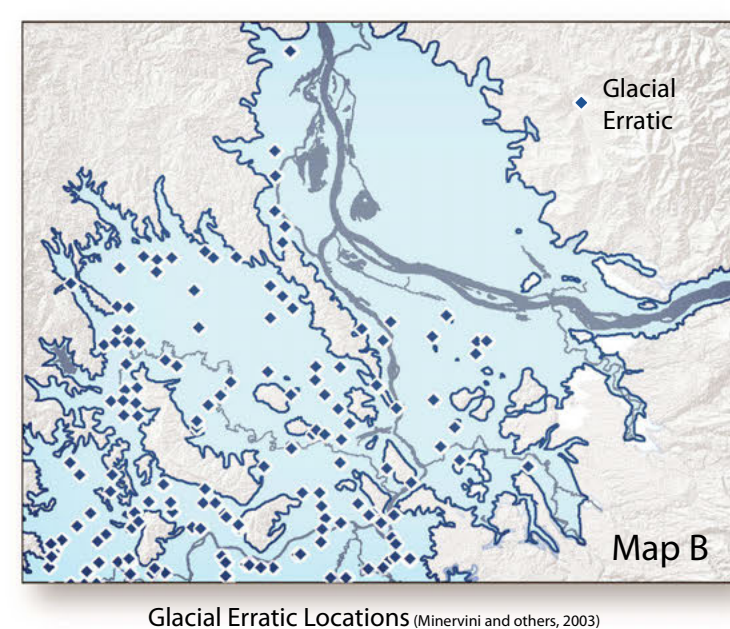
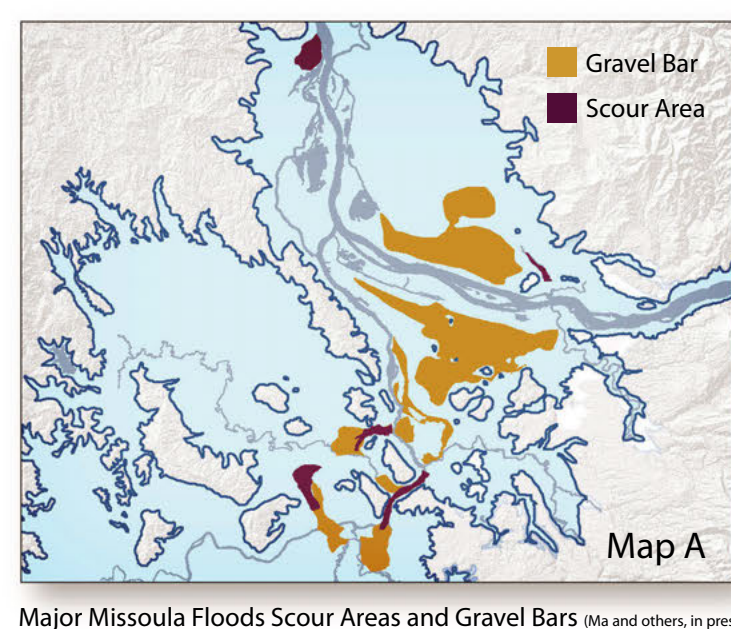


2012

IMS-36
INTERPRETIVE MAP SERIES

Missoula Floods — Inundation Extent and Primary Flood Features in the Portland Metropolitan Area, Clark, Cowlitz, and Skamania Counties, Washington, and Clackamas, Columbia, Marion, Multnomah, Washington, and Yamhill Counties, Oregon


By William J. Burns and Daniel E. Coe
Oregon Department of Geology and Mineral Industries



Water Inundation Area
The line defining the Missoula floods in the datasets in a Geographic Information Systems (GIS) dataset included 1) the lidar DEM; one at the Columbia River Gorge (O'Connor, 2002) with elevation throughout the Willamette Valley; and 2) the Willamette Valley modeling (Minervini et al., 2002) and 3) the Willamette Valley modeling (Minervini et al., 2002) and 4) lidar-DEM-derived fluvial geomorphic features.

[illegible][illegible]

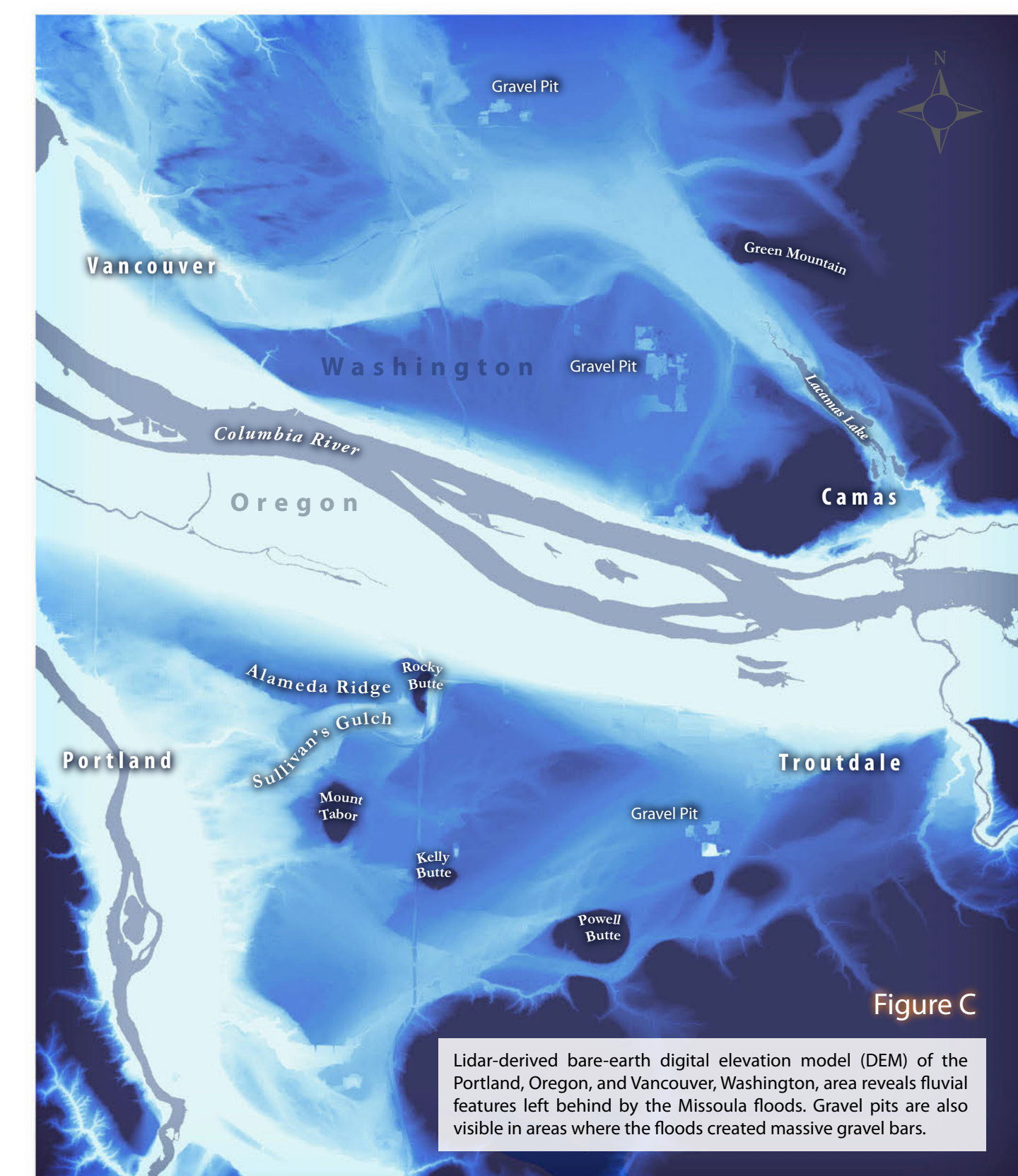
NOTICE: This map cannot serve as a substitute for site-specific investigations by qualified practitioners. *Kleptocarpus* data may give results that differ from those shown on the map. The viruses and bacteria contained in this document are the property of the authors and should not be interpreted as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

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Figure 1

Udon-derived bare-earth model of the area surrounding Osege Lake clearly shows the Wisconsin floods scar pattern.

[illegible]