Lidar data acquired (flown) in 2008. Map series and analysis created and performed by the Oregon Department of Geology and Mineral Industries; Deb Schueller, Oregon Department of Geology and Mineral Industries; Dan Seals, Coos County Assessor's Office GIS Coordinator.

The Oregon Department of Geology and Mineral Industries distributed this map, "One Percent Annual Flood Hazard and Exposure Risk Map, City of Coquille, Coos County, Oregon." The map shows the general level of flood risk exposure for each building in a 100-year flood zone (FEMA Zones A and V). The new Digital Flood Insurance Rate Maps (DFIRMs) much more accurately show flood zone boundaries and also allow us to measure flood depth at any point. At the same time, a very detailed map that shows the general level of flood risk exposure for each building in a 100-year flood zone was created from lidar data flown in Coos County in 2008.

Building color codes on the map are therefore to be above grade by at least 6 feet. Building either built or mitigated to be above grade by at least 6 feet. Greater than 6 feet (12) Building either built or mitigated to be above grade by at least 6 feet. Not affected (1 906) Flood depth 0 to 3 ft Flood depth ≥ 6 ft

Analysis of the output data indicates that there are few areas that show a 100 percent chance of flood damage, but very detailed maps show that flood exposure is more complex than is depicted in the new DFIRMs. Site-specific data may give results that differ from those shown on the 100-year flood zone map. The new lidar data have much greater resolution than the existing FEMA 100-year flood zone maps and allow us to measure flood depth at any point. In addition, the lidar data are much more accurate than existing flood zone maps for urban areas. "One Percent Annual Flood Hazard and Exposure Risk Map, City of Coquille, Coos County, Oregon" can be used for urban planning purposes to identify areas of greatest exposure to flood risk.

Table 1. Parcel with buildings where flood depth 0 to 3 ft Parcel with buildings where flood depth ≥ 6 ft Parcel with buildings where flood depth 3 to 6 ft Parcel with buildings where BOTH are flood affected Acreage affected by flood Building color codes on the map are therefore to be above grade by at least 6 feet. Building either built or mitigated to be above grade by at least 6 feet. Greater than 6 feet (12) Building either built or mitigated to be above grade by at least 6 feet. Not affected (1 906) Flood depth 0 to 3 ft Flood depth ≥ 6 ft

This map cannot serve as a substitute for an in-depth investigation by qualified professionals. The map is based on the information that has been collected and processed by the U.S. Geological Survey and others and has not been reviewed by the Federal Emergency Management Agency. The names and conclusions contained in this document are those of the authors and do not necessarily reflect the views of the Federal Emergency Management Agency.