Stream Channels of the Central Willamette Valley, Benton, Linn, Marion, and Polk Counties, Oregon

The map shows a detailed view of the Central Willamette Valley with various color gradients indicating the depth and size of the stream channels. The color gradient emphasizes smaller stream drainages in the valley, as well as the highly interconnected stream networks of the Willamette River southeast of Corvallis and seasonal channels, oxbow lakes, and the pattern of movement the river has taken over the past 12,000 years. The Santiam, South Santiam, Luckiamute, Marys, and Calapooia rivers and to the Muddy, Crabtree, and Thomas Valley after the floods ended, a blue gradient was applied to the floodplains of the Willamette, Santiam, North Valley.

Historically, the floodplains, flood channels, and seasonal drainages within the Willamette Valley have been filled with alluvial deposits. These deposits vary depending on the geographic position of the drainage channel. The most recent floods have created channels that are filled with a combination of alluvium and deposit from the glacial-age floods. The map indicates the extent of the 100-year flood modeled by the Federal Emergency Management Agency (FEMA) in 1937.

The map uses various data sources including DOGAMI Lidar Data Quadrangles and other digital datasets to create this map. The detailed information is provided for educational and research purposes. For official flood maps or other geologic, flood, or transportation data, please consult the primary data and information sources.