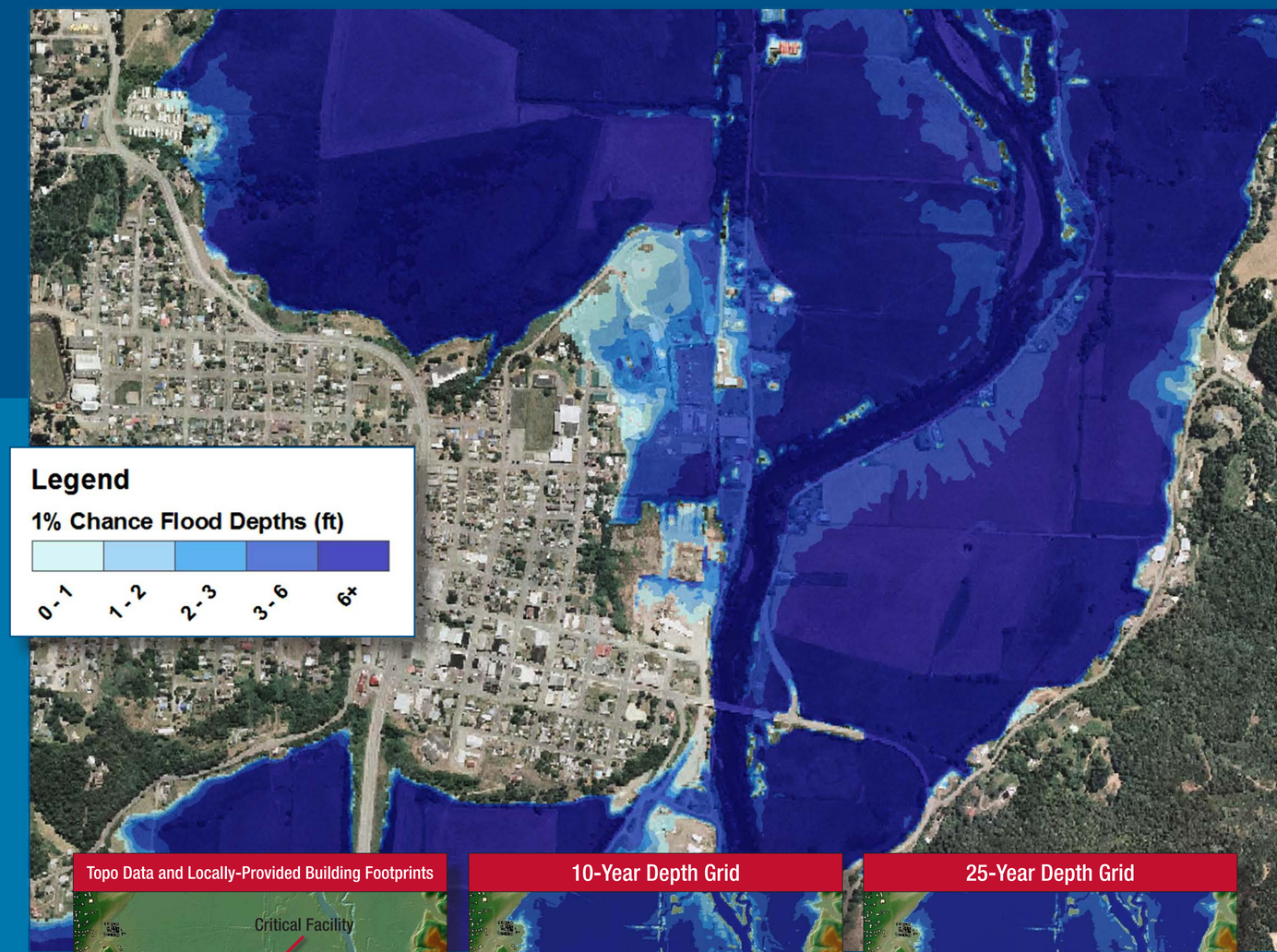
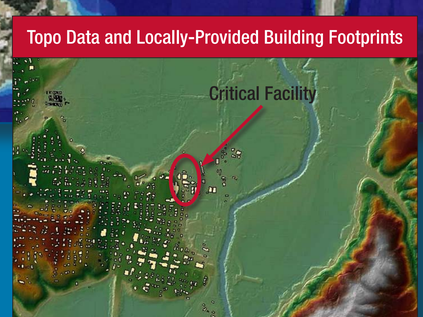
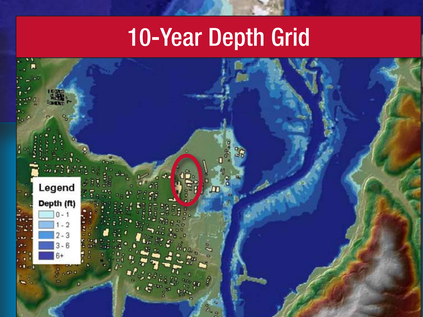
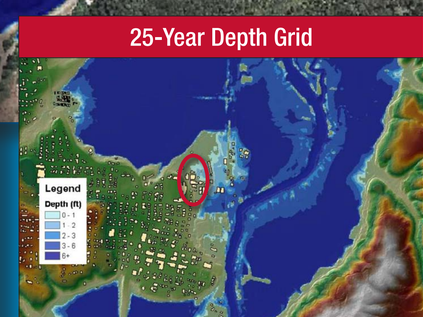
FEMA

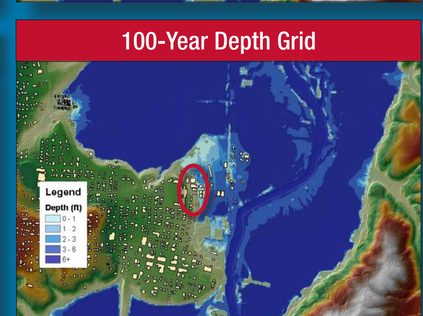
Risk MAP *Learning. Integrating. Collaborating.*

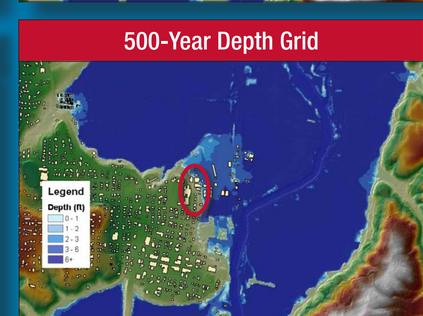












Risk Assessment Product:

Multi-Frequency Depth Grids

The Federal Emergency Management Agency's (FEMA's) Risk Mapping, Assessment, and Planning (Risk MAP) builds on flood hazard data and maps to provide communities, and ultimately individuals, with the information and tools they need to identify, assess, and take action to reduce flood risks.

The *Multi-Frequency Depth Grids* is part of *The Risk Assessment Products Suite* to help communities understand changes to their flood maps and prepare for the upcoming flood map adoption process. This product helps communities better understand their flood hazard risk beyond the 1% annual chance floodplain and provides information in developing a Benefit Cost Analysis.

The main image shows the flood hazard at the 1% annual chance floodplain. Using the Multi-Frequency Depth Grids product, grids will be produced for the 10% (10-year depth), 4% (25-year depth), 2% (50-year depth), 1% (100-year depth), and 0.2% (500-year depth) annual chance flood events. These grids will be used to create additional analyses that depict the percent annual chance of flooding and the percent chance of flooding over a 30-year time period in the floodplain.

Under Risk MAP, FEMA will use Geographic Information Systems (GIS) to provide end users with powerful flood risk information for events beyond the 100-year regulatory flood.

Additional Information:

Risk Mapping, Assessment, and Planning (Risk MAP):
www.fema.gov/plan/prevent/fhm/rm_main.shtm

Floodplain Management:
www.fema.gov/plan/prevent/floodplain/index.shtm

Data Source: Don Lewis, Oregon Department of Geology and Mineral Industries (DOGAMI): www.oregongeology.org