Pursuing Rural Disaster Resilience

Upper Sandy River Clackamas County, Oregon

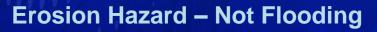


Jay Wilson Resilience Coordinator Clackamas County Emergency Management

History Repeats – Channel Migration Hazard

1964

2011

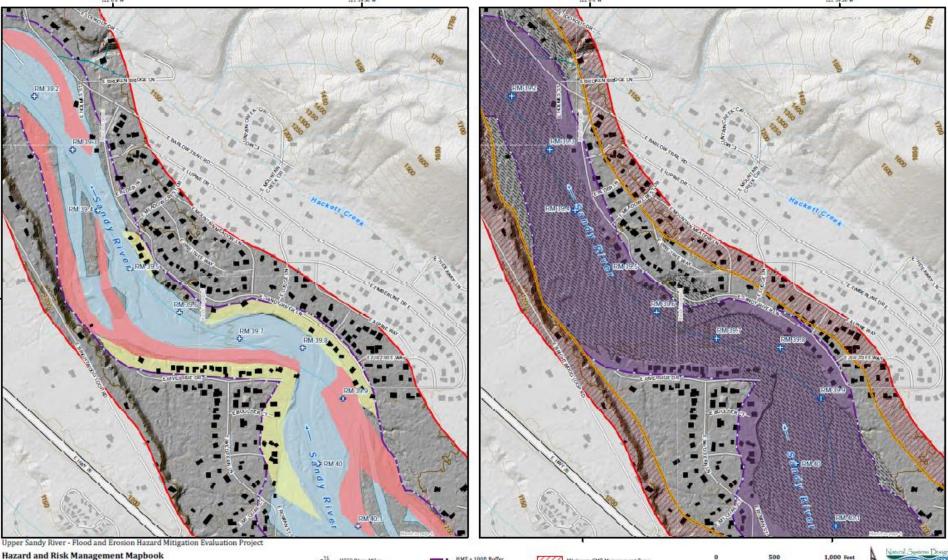


- Flood Maps become obsolete
- No hazard disclosure
- Community need for facts
- Regulatory framework?

Basis of Risk = Volcanic Landscape Living inside of an INCISED LAHAR



Channel Migration Zone Mapping

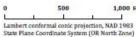


Page 4 of 14











Public Involvement Project Flood Risk Management Committee Need for stakeholder and community engagement



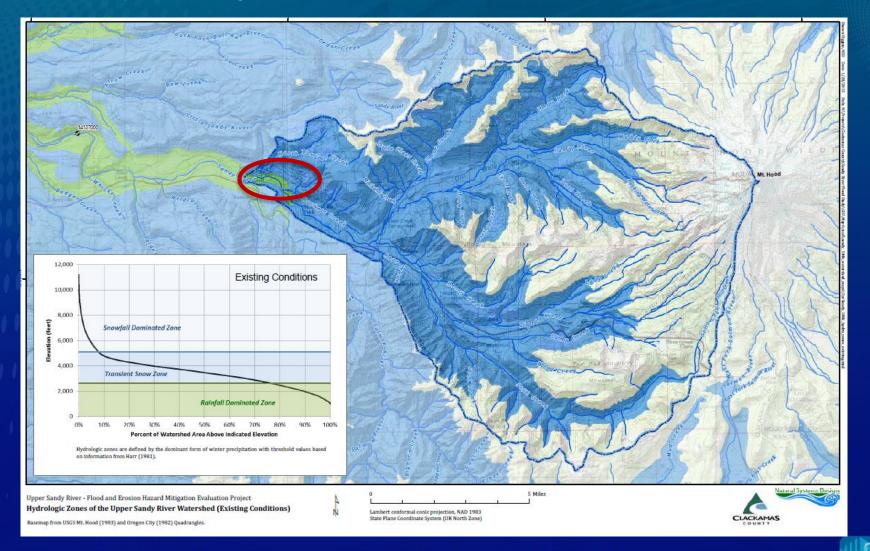
January 22, 2011, Town Hall Meeting - Welches Middle School



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Currently – Snow Dominated Zone

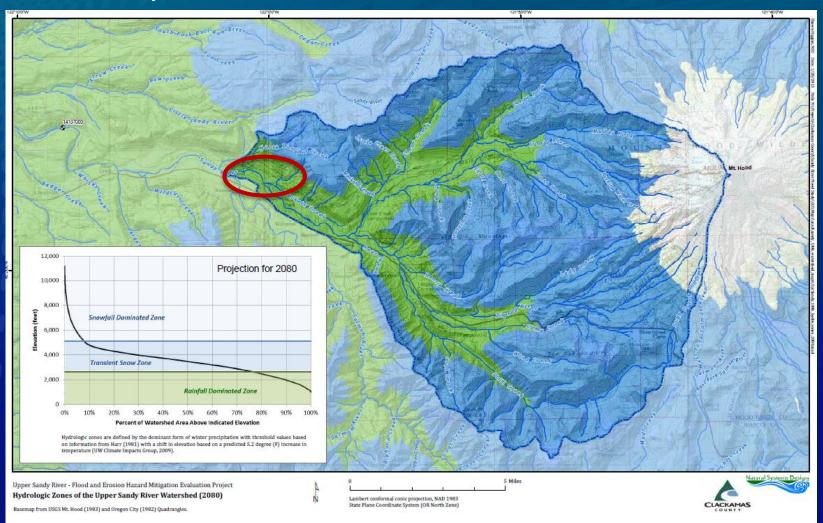
Capacity for Storage of Precipation



engineering laboratory

Future Conditions - More Rain, Less Snow

Climate Projection for 2080





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Pursuit of Disaster Resilience

Planning and Policies for Future Recovery

Current Mitigation

- Hazard ID and Risk Assessment Mapping
- No Adverse Impacts
- Limited Growth Moratorium
- Emphasis on Flood Insurance
- Willing Sellers
- Acquisitions, Land Swaps, Conservation Easements
- Relocation of Infrastructure Roads, Bridges, Sewer
- Watershed wide approach
- USACE Pilot Public Involvement