

TASK FORCE ON
DROUGHT EMERGENCY RESPONSE
HB 4113(2016)



**Agenda Item II: State Hazard Mitigation Plan
August 1, 2016 Meeting**

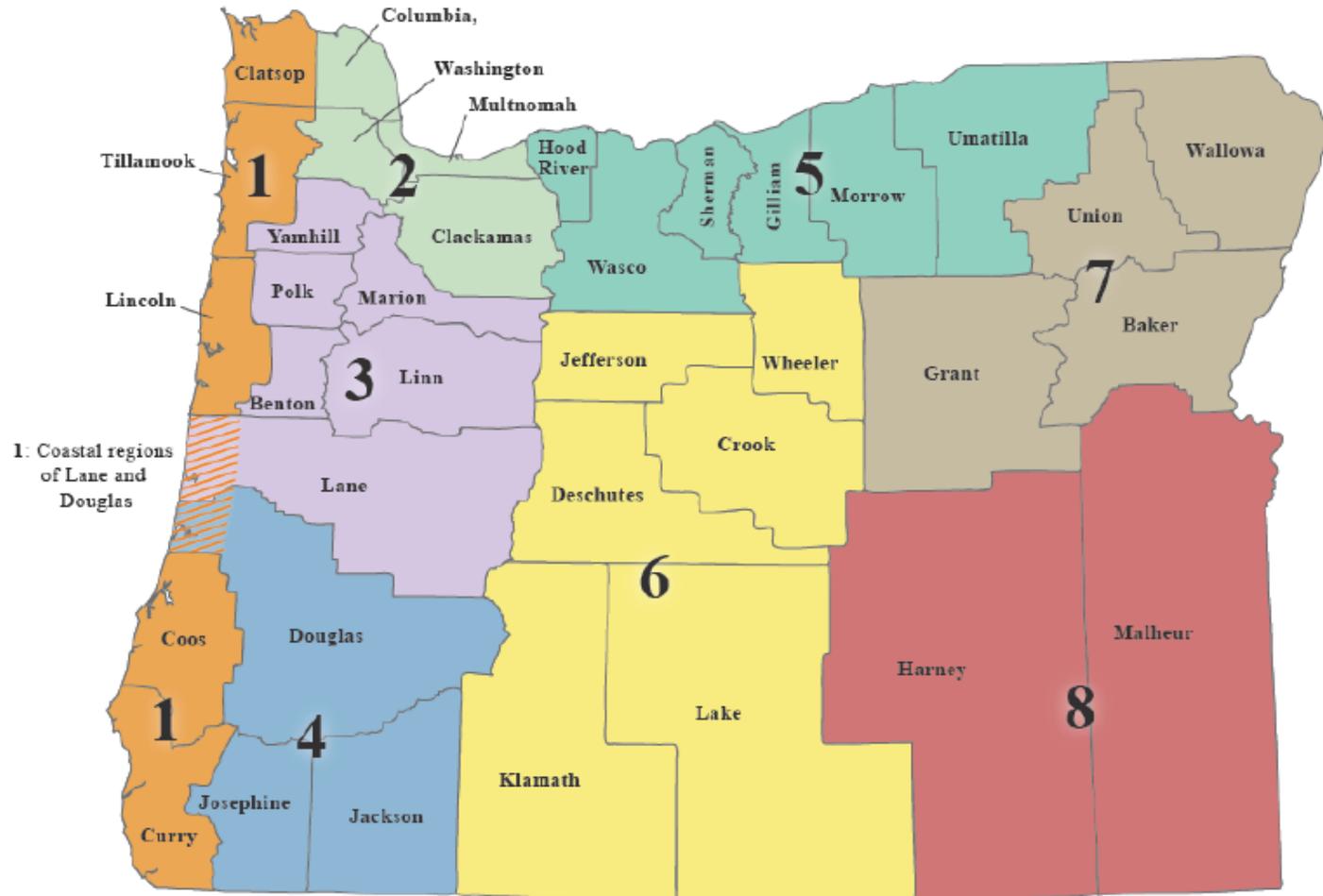
Oregon's Natural Hazard Mitigation Plan

- Led by Dept. of Land Conservation & Development
- All hazards - all agencies framework
 - Climate change, coastal hazards, droughts, dust storms, earthquakes, floods, landslides, tsunamis, volcanic hazards, wildfires, windstorms, and winter storms
- Plans are voluntary, but a pre-requisite for assistance
- Promulgated by Governor Brown in July 2015
- Next state plan due in 2020



Planning Regions

Figure ES-1. Oregon NHMP Natural Hazard Regions



Plan Requirements

- Risk Assessment
 - Characterize drought for Oregon
 - Past events and future probability
 - Vulnerability
 - Who is most impacted by drought? What communities and what sectors?
 - Losses resulting from the drought (impacts)
 - Mitigation strategy
 - What steps can we take to reduce potential losses
 - Discuss what state funding is available
 - Evaluate state laws, regulations, and policies related to drought mitigation
 - Develop and discuss strategies that are cost-effective, environmentally sound, and technically feasible

Oregon's Mitigation Actions

Water Resources Department Actions (lead):

- #23 Peak flow estimation program (update USGS Bulletin 17B)
- #39 Add real-time telemetry @ existing gaging stations
- #77 & 105 Develop an improved method for identifying most vulnerable communities to drought and related impacts
- #79 Continue to refine the hazard description
- #80 Continue to refine exposure, vulnerability, and losses
- #81 Continue to refine priorities, and those at greatest risk
- #82 Build long-term resiliency strategies
- #94 Assist with inter-tie projects (technical & funding)
- #92 Adopt industry specific standards/best practices
- #97 Expand stream gages
- #122 Develop emergency action plans for dams (flood)

Gaps

“Although we know that areas in Oregon have suffered from drought, there has not been a coordinated effort to systematically characterize how frequently droughts have occurred, or the impact on Oregonians and ecosystems. Communities are beginning to plan for worst case drought scenarios and need better information about the frequency, duration, and intensity of previous droughts in order to assess the appropriate response. Comprehensive information is not currently available by region, or statewide.”

~ Excerpt from Table 3-2, 2015 Oregon NHMP

In Closing

- New funding available through FEMA for drought and climate resiliency or adaptation projects (e.g., Aquifer Storage and Recovery)
 - Must have a mitigation plan in place!
- Local governments cannot adequately use the state's plan to gather needed information
- Cannot answer the question: which areas (and/or systems) are most vulnerable to drought?
- Positive - state's drought response plan recently updated