

# 2016 Drinking Water Highlights

2016-01-13  
Water System Advisory Committee  
meeting

# 2016

- **Detailed Water Line of Business workplan available upon request**
- **Discussing priorities for WSAC workplan today**
  - Items of interest, for WSAC information
    - Do we need a refresher on any particular subjects?
  - Items for WSAC feedback/input

# Planning/Policy Highlights

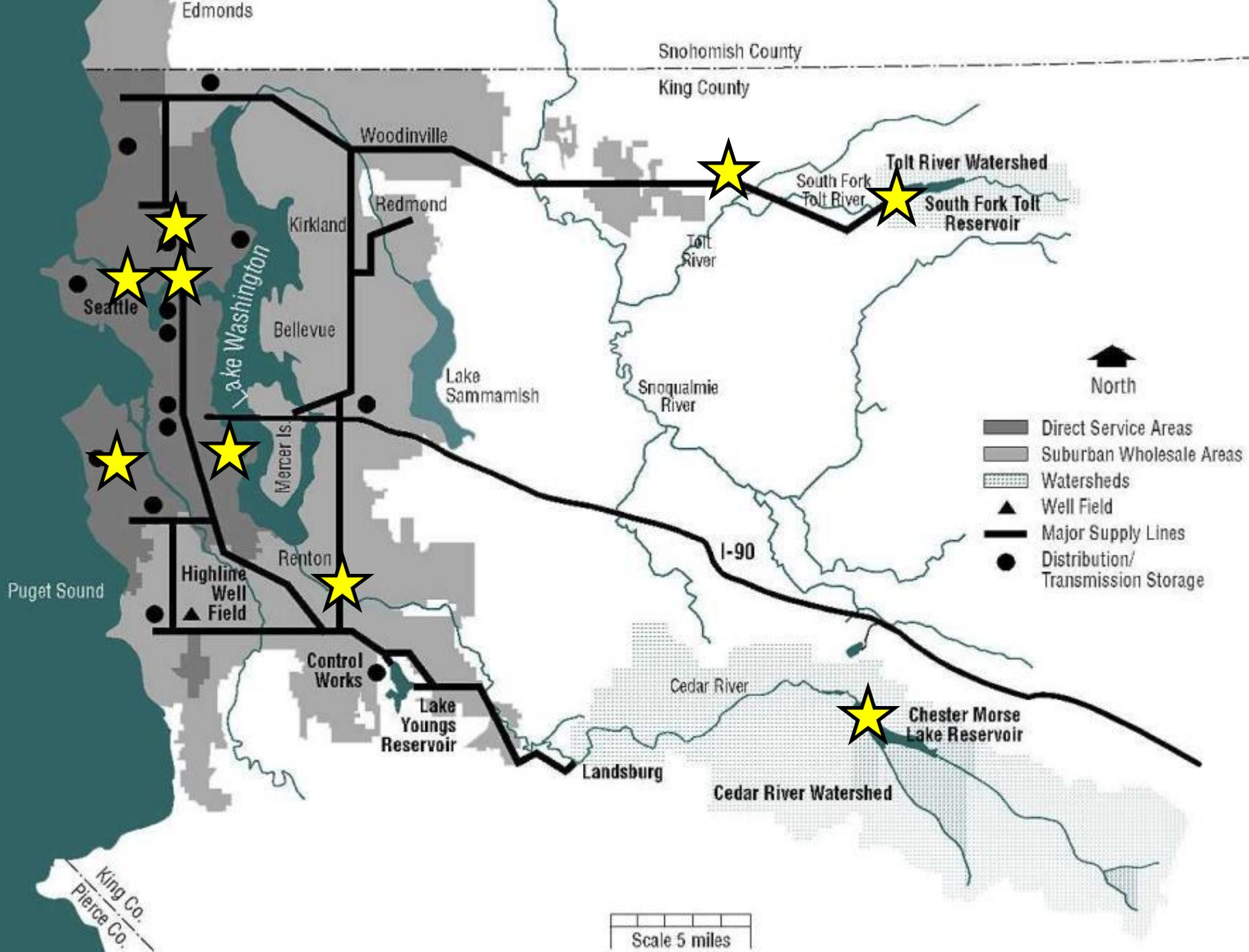
- **Development Services Office (SPU-wide)**
- **Customer policies**
- **Drought / curtailment planning**
- **Water conservation goal setting (early discussion?)**
- **Water rate design study**

# Planning/Policy Highlights

- **3-County resiliency study (drought, climate change, seismic, water quality)**
- **Seismic study**
- **Climate change analysis**
- **Watershed wildfire risk assessment**
- **Corrosion control**
- **Annual water quality report**

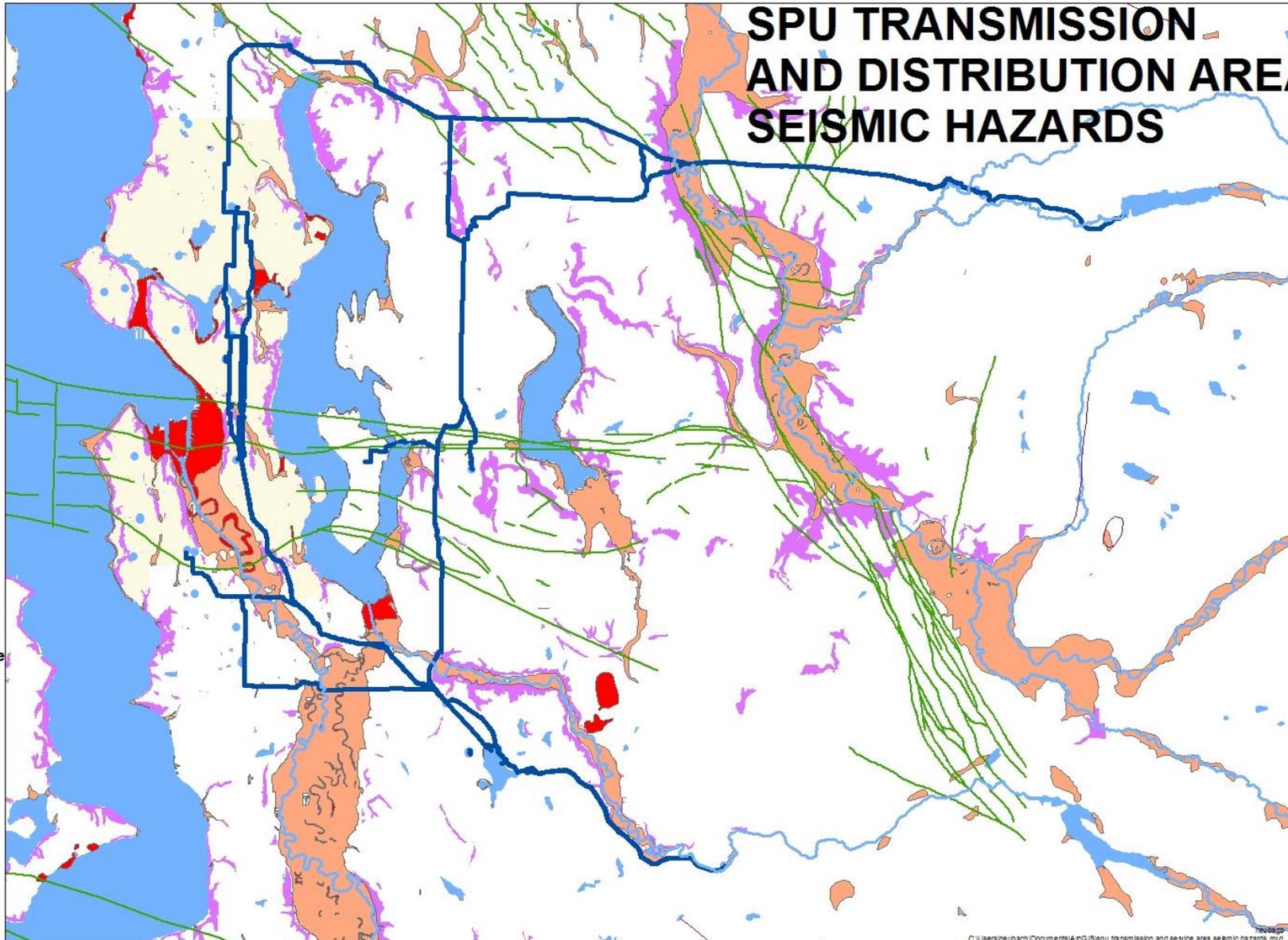
# Project Highlights

- **Watersheds**
  - Morse Lake Pump Plant
  - Dam safety projects
  - Sockeye broodstock weir replacement
- **Water Quality & Treatment**
  - Water quality in the distribution system (including main breaks)
- **Transmission**
  - Tolt pipeline slope instability
  - 430 zone pipe
- **Distribution**
  - 3<sup>rd</sup> Ave W pipeline
  - Reservoir seismic retrofits
  - Transportation projects



# Seismic Study

## SPU TRANSMISSION AND DISTRIBUTION AREA SEISMIC HAZARDS

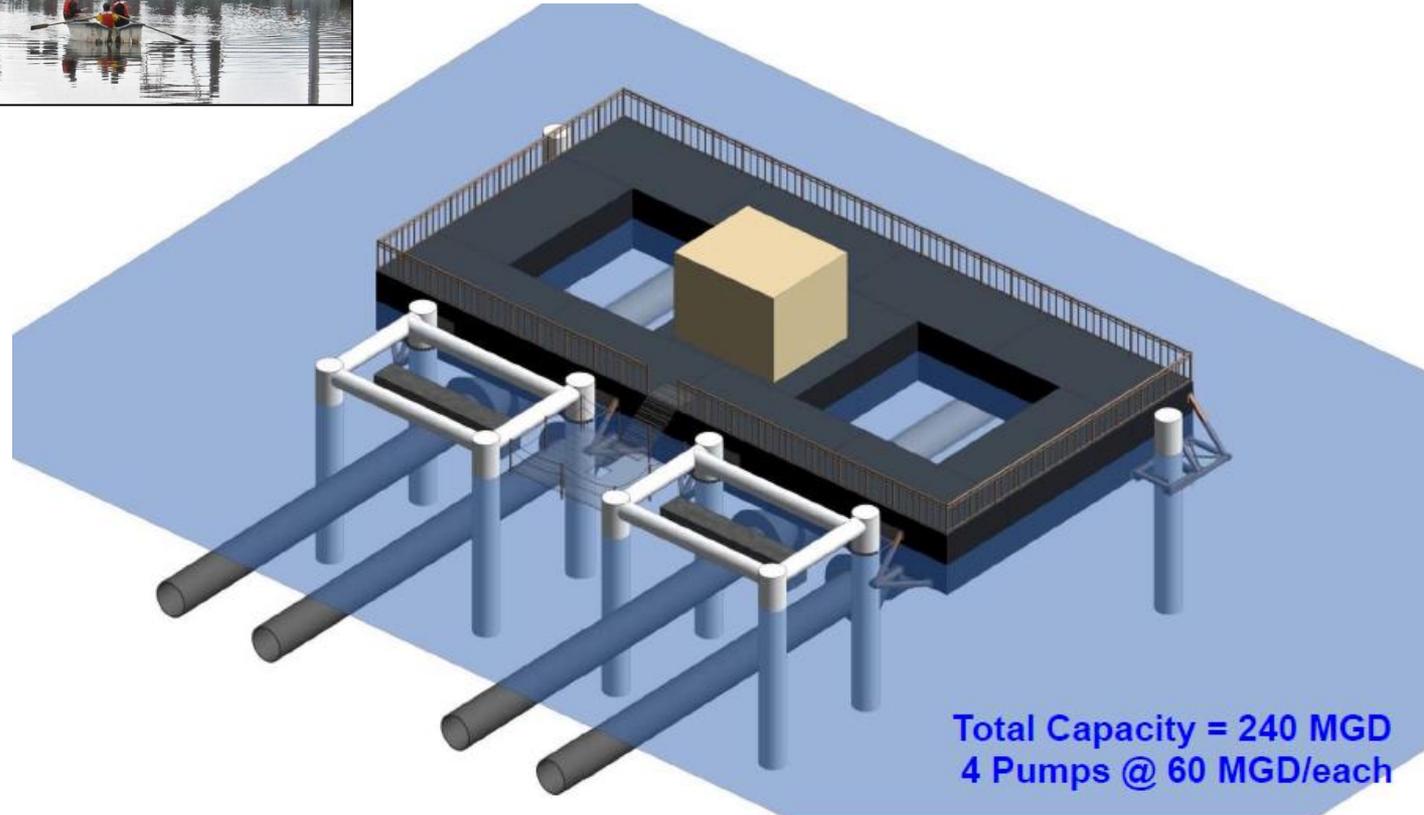


- LEGEND**
- Supply Mains
  - Active Faults
  - Known or Potential Landslide
  - Reservoirs/Tanks
  - Liquefaction Susceptibility
    - High
    - Moderate to High

0 1 2 3 4 5  
Miles

12/30/2014  
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Coordinate System: State Plane, NAD83-91, Washington North Zone

# Morse Lake Pump Plant



**Total Capacity = 240 MGD  
4 Pumps @ 60 MGD/each**

Morse Lake Pump Plant

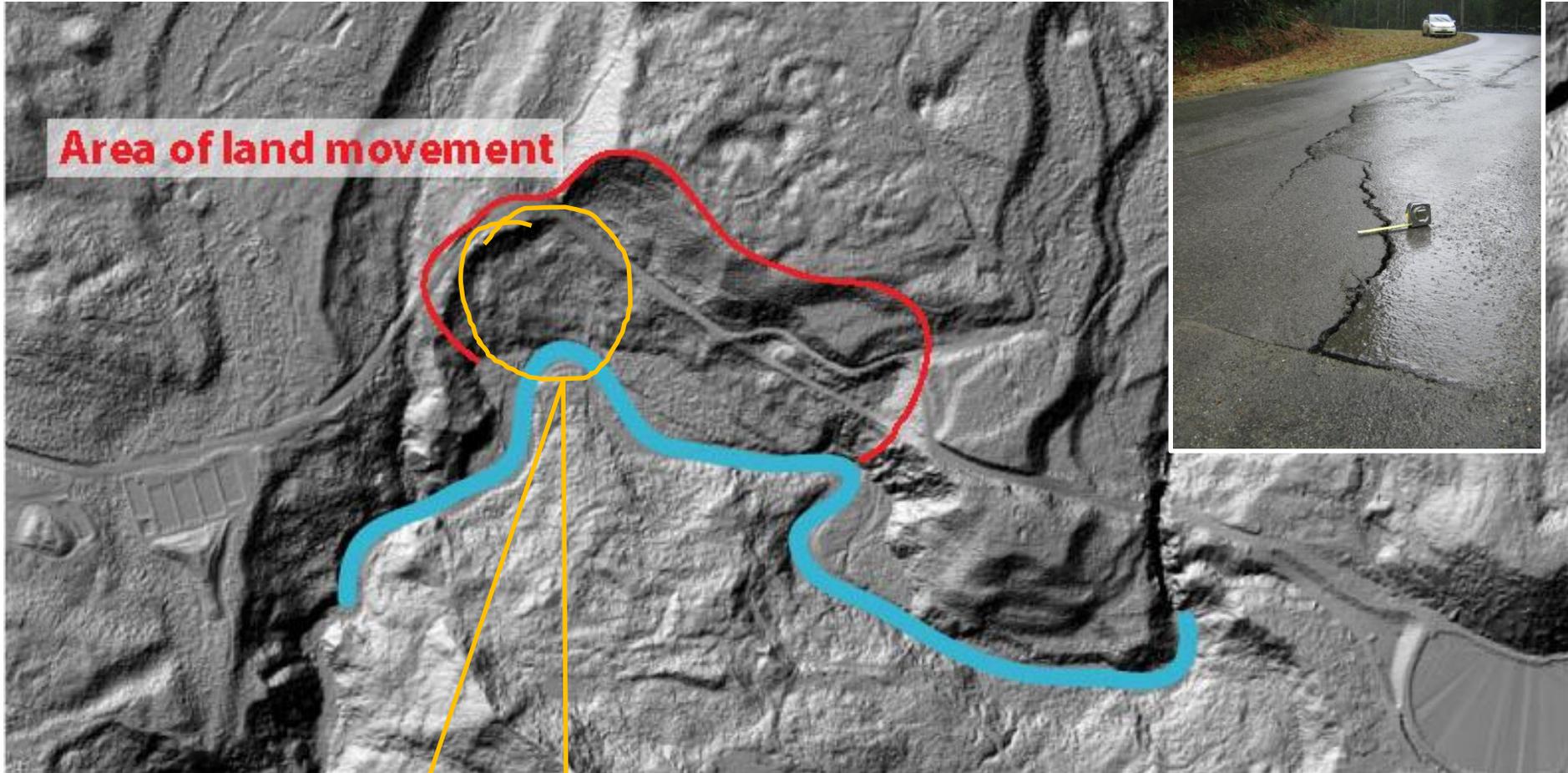
# Tolt Reservoir Ring Gate



# Salmon Broodstock Weir Replacement



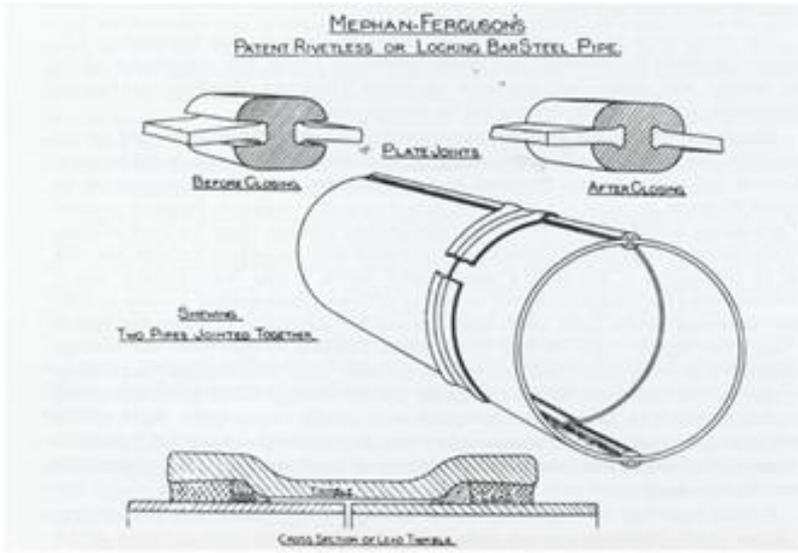
# Tolt Pipeline Slope Instability



Area of land movement

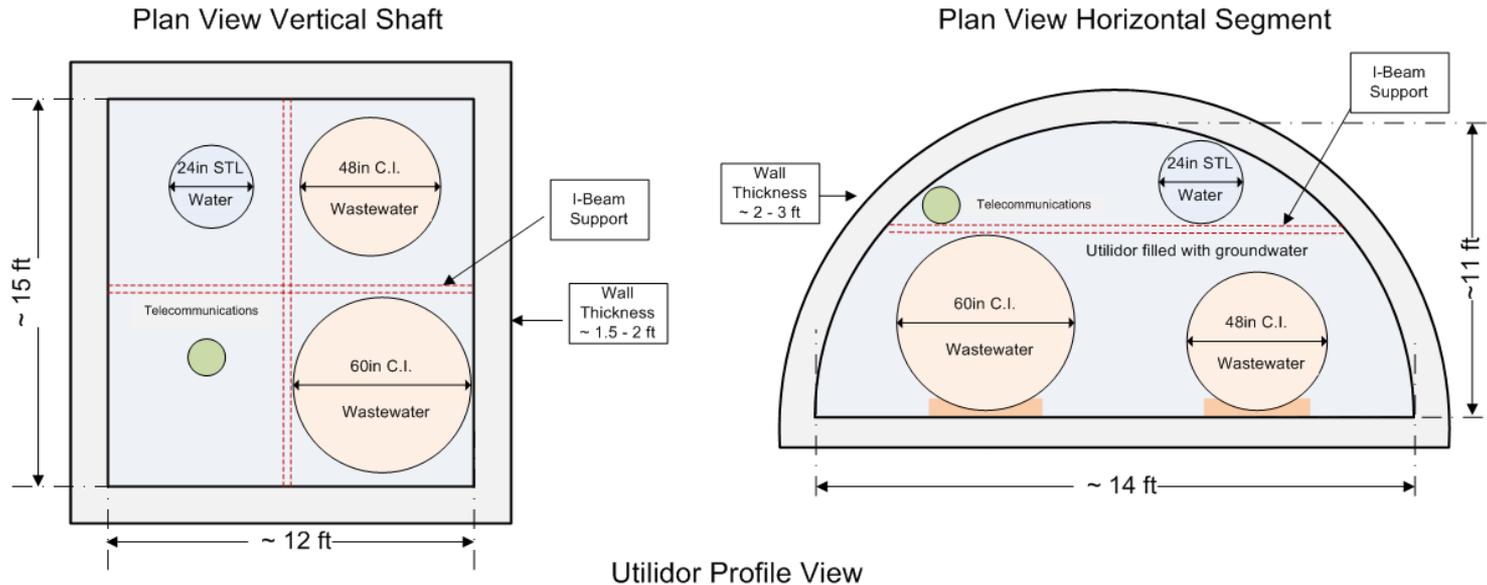
Area of most significant movement

# 430 Zone Pipeline

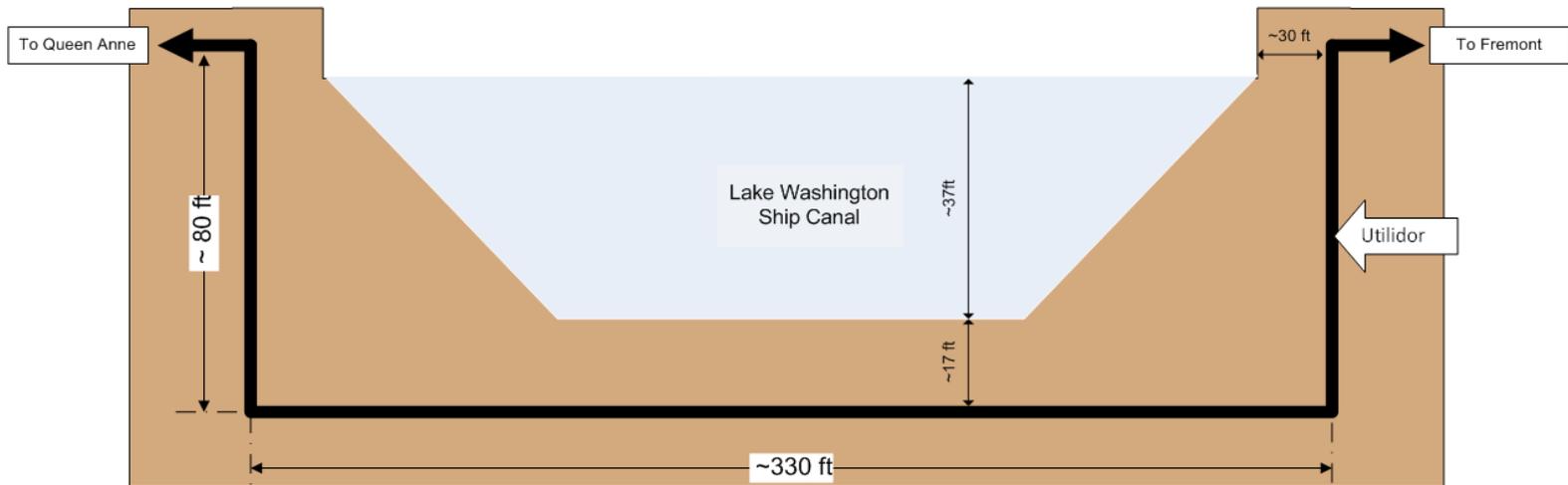


# 3<sup>rd</sup> Ave West Pipe

## 3<sup>rd</sup> Ave West Utilidor Schematic (Existing Conditions)



Utilidor Profile View



# Reservoir Seismic Retrofits



# Move Seattle

...Think about Seattle,  
today and tomorrow

page 1

...Organize our actions  
around our core values

page 6

...Integrate our  
modal plans

page 30

...Prioritize projects

page 38

# Next Steps

- **Review draft WSAC workplan**
- **Discuss any changes based on today's information**