

# Condit Dam

## Update on Decommissioning

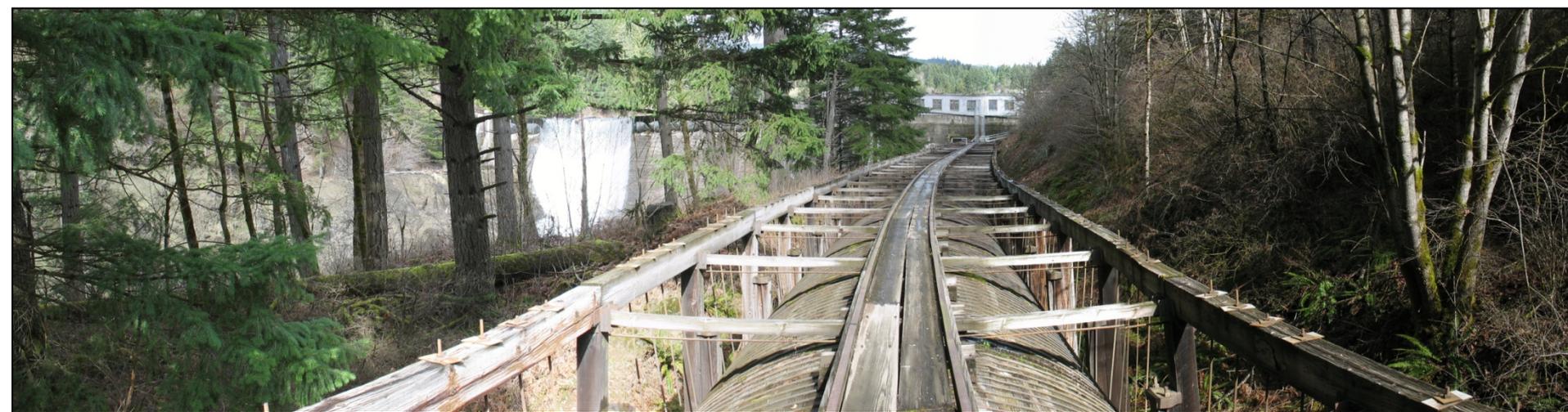
Presentation to Klickitat & White Salmon Rivers  
Fisheries and Watershed Science Conference

March 19, 2013



# Presentation Agenda

- Dam removal
- Project site restoration
- Remaining activities
  - Lessons identified



# Breach day – October 26, 2011

## Reservoir After



# Post Breach



# Post Breach



# Post Breach



# Post Breach



# Old Cofferdam Removal



# Old Cofferdam Removal



# Old Cofferdam Removal



# Old Cofferdam Removal



# Old Cofferdam Removal



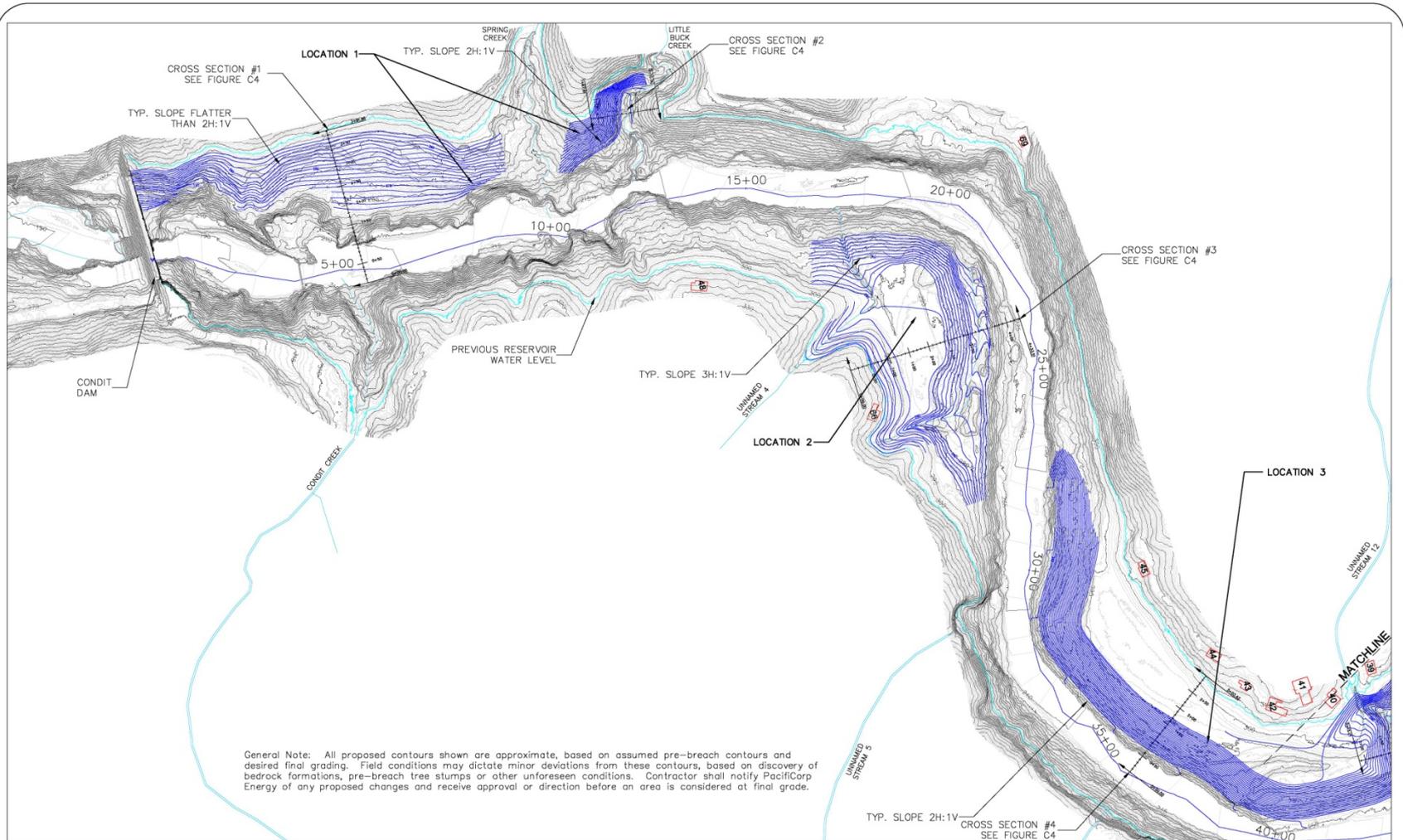
# Old Cofferdam – Removed Allowing Fish Passage



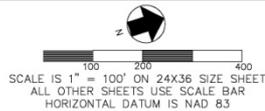
# Old Cofferdam – Removed



# Grading



- # EXISTING CABINS
- 12.21.2011 LIDAR CONTOURS (1 FT CONTOUR INTERVALS)
- PROPOSED CONTOURS (2 FT. CONTOUR INTERVALS)



**JR MERIT**  
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**PACIFICORP ENERGY**  
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CONDIT DAM DECOMMISSIONING	
<b>FIGURE C1</b>	
<b>PROPOSED GRADING PLAN</b>	
<b>SOUTH SECTION</b>	
Scale: 1" = 100 ft	2/20/2012

# Post Breach Activities

## Sediment Management – the Former Reservoir



# Post Breach Activities

## Sediment Management – the Former Reservoir



# Post Breach Activities

## Sediment Management – the Former Reservoir



# Erosion Control Measure

## Large Woody Structure



# Erosion Control Measure

## Large Woody Structure



# Tackifier



# Hydroseeding



# Hydroseeding



# Hydroseeding



# Post Breach Activities

## Sediment Management – the Former Reservoir



# Post Breach Activities

## Sediment Management – the Former Reservoir



# Northwestern Lake Bridge



# Northwestern Lake Bridge



West Bank Rip Rap



East Bank Rip Rap

# Northwestern Lake Bridge



# Northwestern Lake Bridge



# Boater Takeout



# Boater Takeout



# Post Breach Activities

## Demolition - Flowline



# Post Breach Activities

## Demolition – Surge Tank



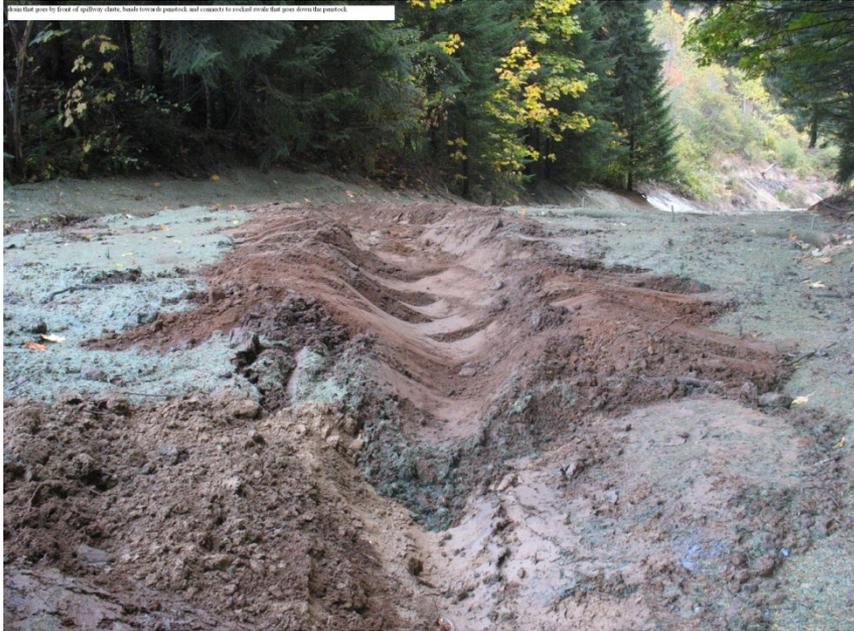
# Post Breach Activities

## Demolition – Surge Tank



# Post Breach Activities

## Demolition – Surge Tank



# Post Breach Activities

## Demolition – Penstock



# Post Breach Activities

## Demolition – Penstock



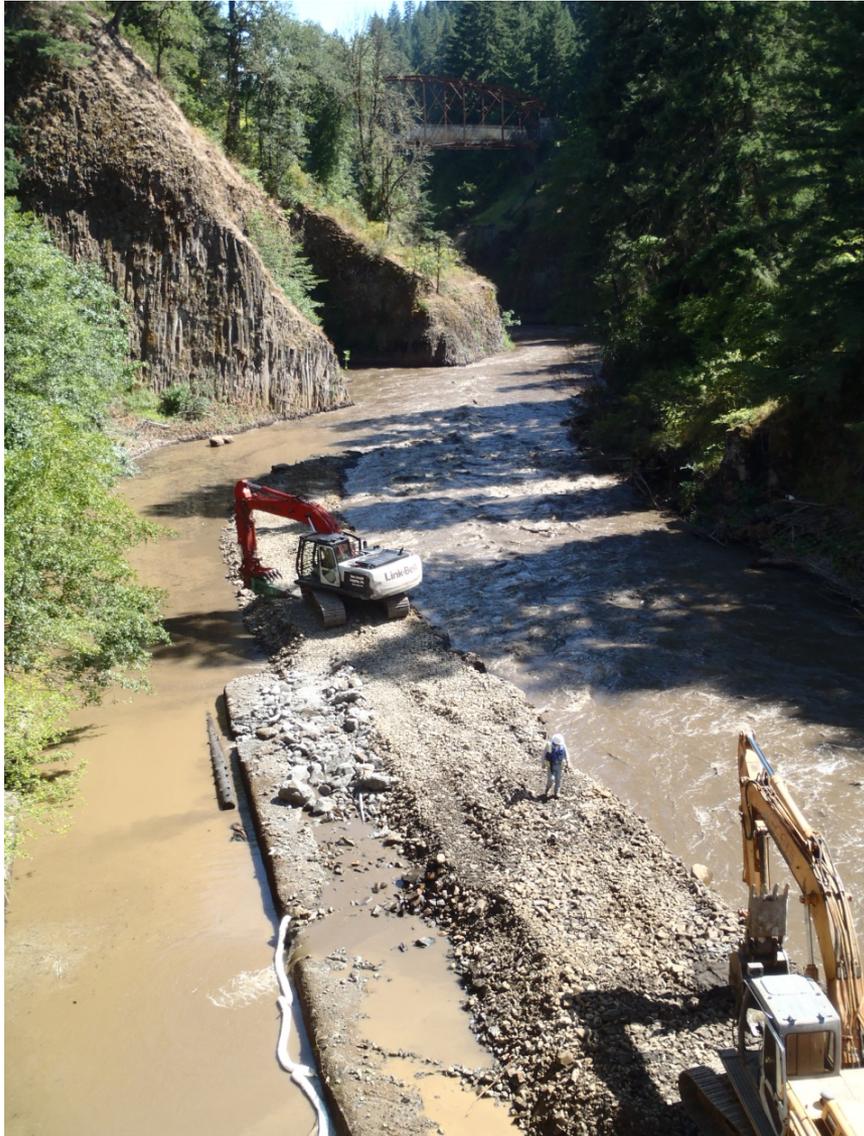
# Post Breach Activities

## Demolition – Penstock Capping



# Post Breach Activities

## Demolition – Tailrace



# Post Breach Activities

## Powerhouse Security



# Post Breach Activities

## Demolition - Dam



# Post Breach Activities

## Demolition - Dam



# Post Breach Activities

## Demolition - Dam



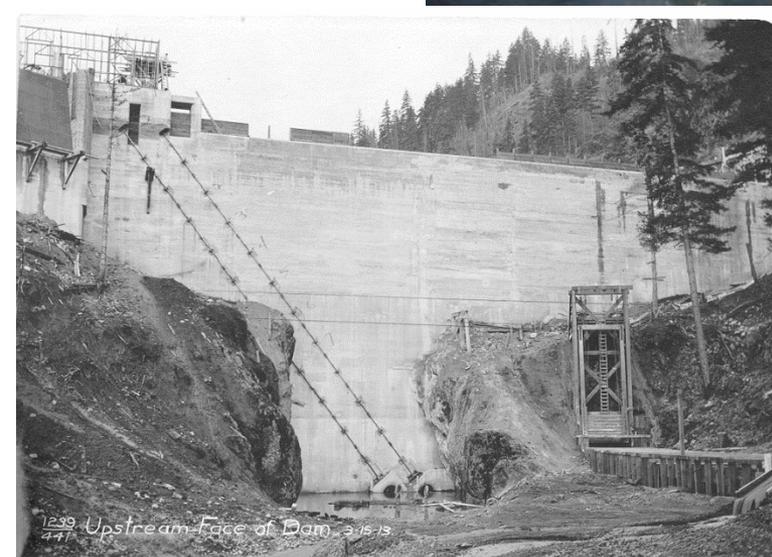
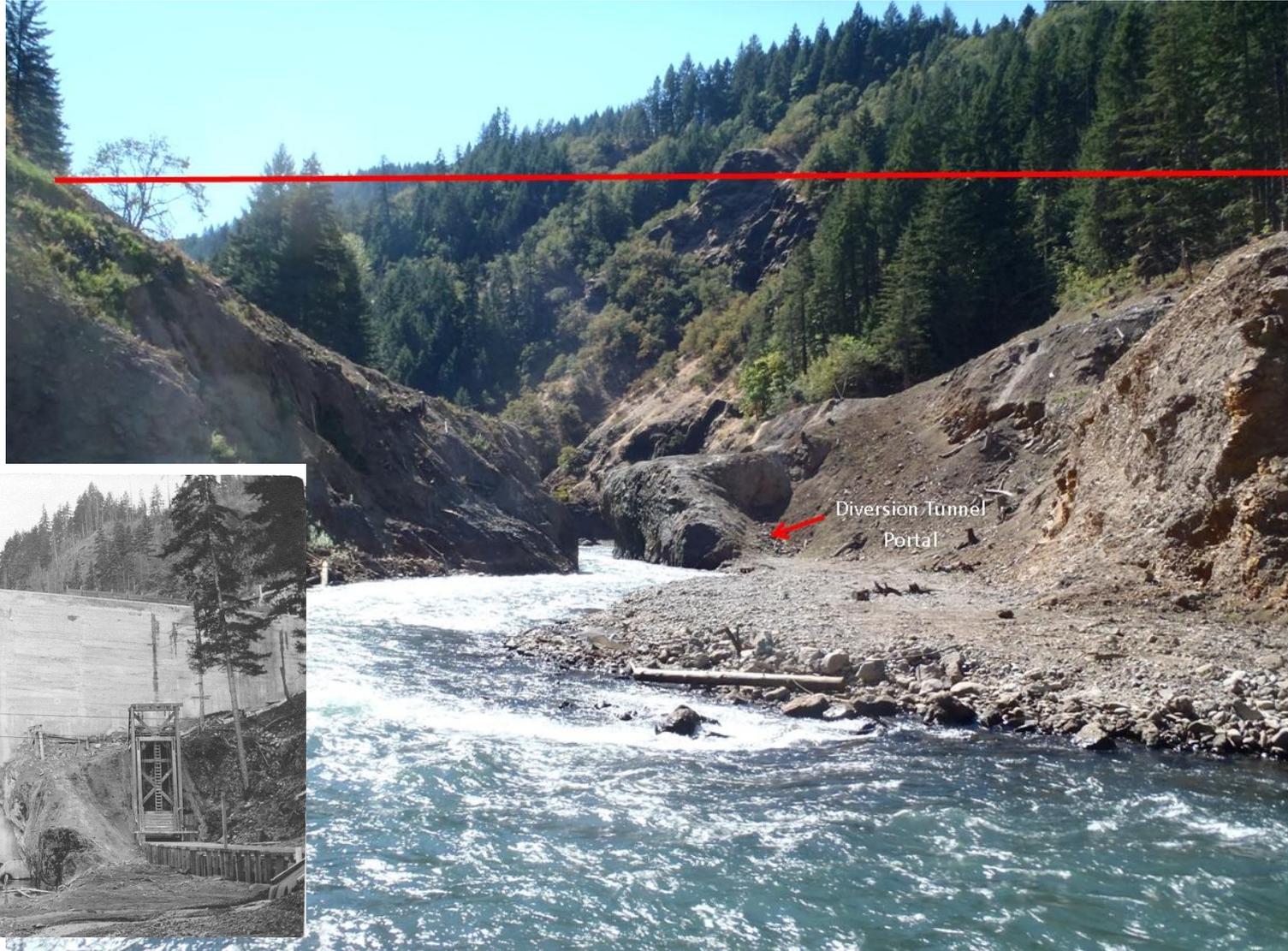
# Post Breach Activities

## Demolition - Dam



# Post Breach Activities

## Demolition – Dam Removed





# Post Breach Activities

Demolition – Dam  
Removed

# Post Breach Activities

## The Narrows Log Jam Removal



# Post Breach Activities

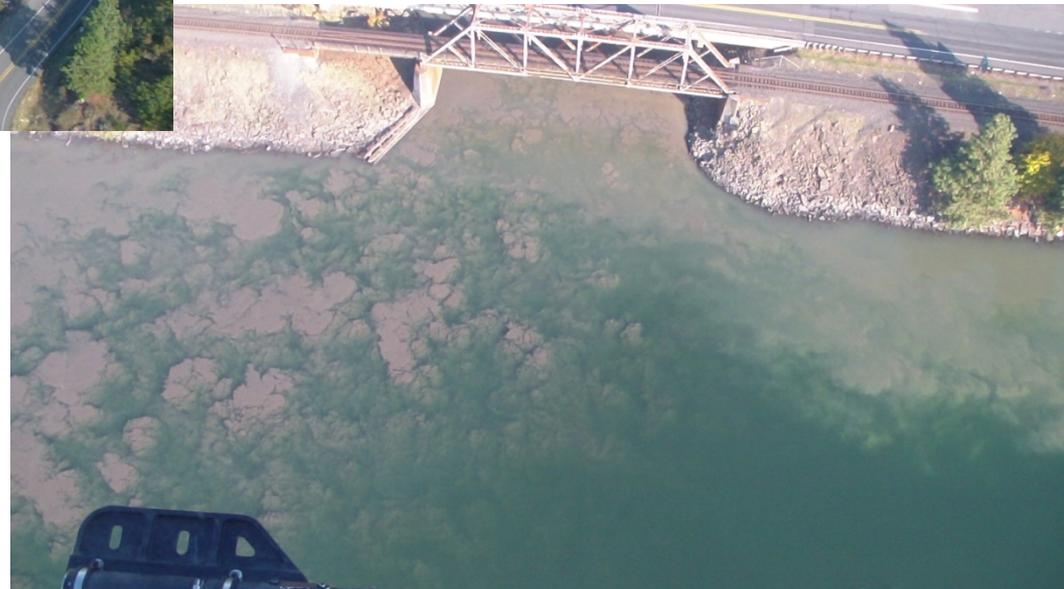
## The Narrows Log Jam Removal



# Post Breach Activities

## Sediment Monitoring and Assessment

### Mouth of White Salmon River



# Post Breach Activities

## Sediment Monitoring - February 2, 2012

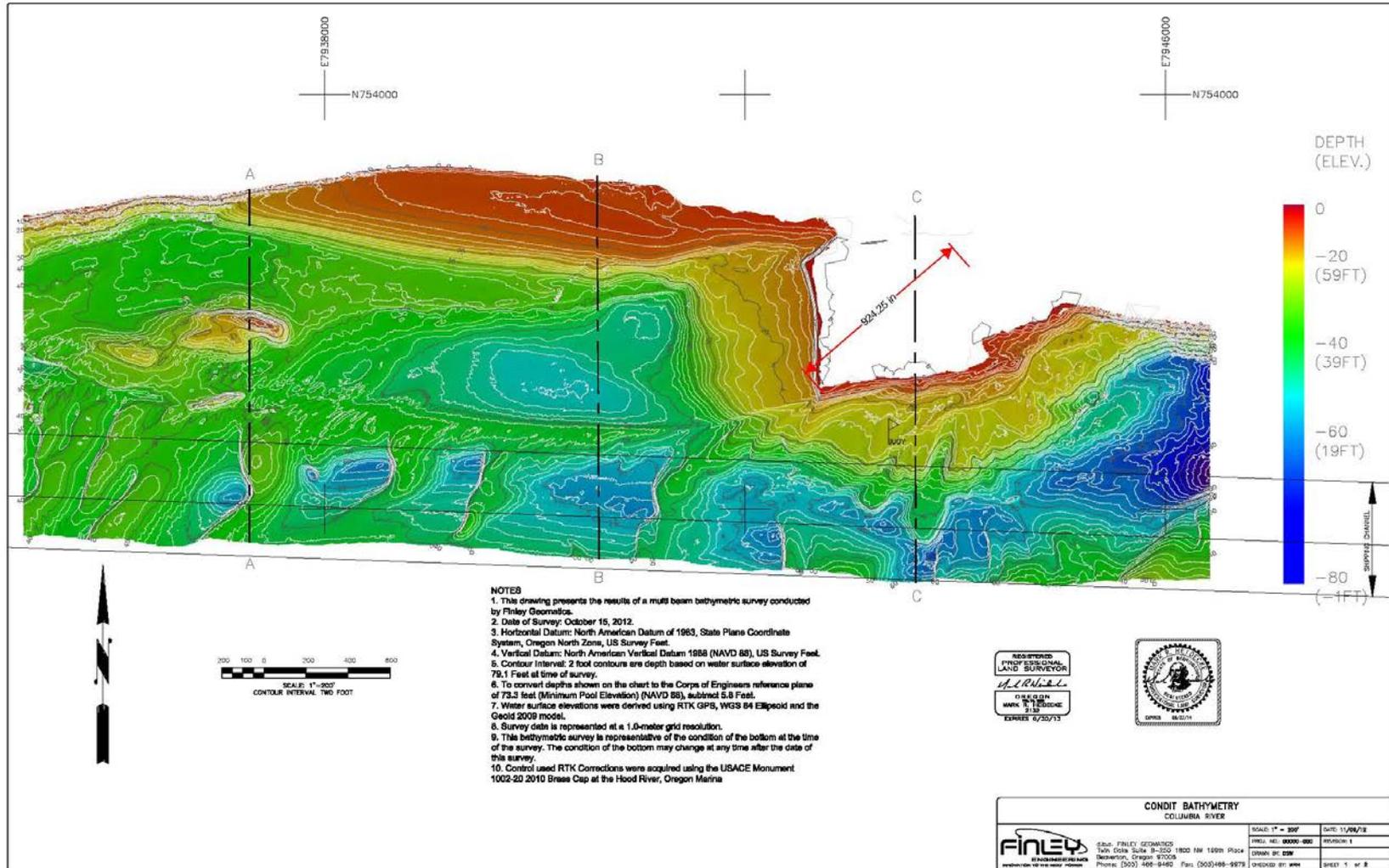
### Mouth of White Salmon River



# Post Breach Activities

## Sediment Monitoring - October 2012

### Mouth of White Salmon River



# Tree Planting



# Tree Planting



# Remaining Activities

- Ongoing monitoring of vegetation establishment
- Water quality monitoring
- Site monitoring for slope stability
- Monitoring delta at mouth of White Salmon River

# Lessons Learned

- Focus on safety
- Open communication
  - Contractors
  - Management
  - Regulatory Agencies
  - Public
- Workflow
  - Staff the project with expertise
  - Assign appropriate level of manpower
  - Correct tools for the job (and have backup source)
  - Weekly review of project schedule
- Identify your risks and develop response plan

For more information please visit:

[www.pacificorp.com/condit](http://www.pacificorp.com/condit)