Water Quality Monitoring in WRIA 23 for 2015

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Ecology’s water quality tasks to support evaluation of flood control structures/activities in the Upper Chehalis Watershed
Monitoring Objectives

• Evaluate water quality effects of the proposed dam
• Gage 6 currently unmeasured tributaries to the Upper Chehalis River
• Collect continuous WQ data at gages
• Continuous Temperature monitoring at 15 additional stations
• WQ Model of Chehalis River from proposed dam structure to Porter
Proposed Ecology Streamflow Gages for Chehalis Flood Workgroup.
Stream Gage Locations

1. South Fork Chehalis River at Hwy 6
2. Bunker Creek at Ceres Hill Road
3. Stearns Creek at Twin Oaks Road
4. Dillenbaugh Creek at Riverside Drive
5. Salzer Creek at Airport Road
6. Black River at Hwy12
Streamflow Gages

- Telemetry style gages
- Real-time data available on the web
- Hoping for reasonable level of accuracy (not great, but not terrible)
Water Quality Data Collection

- WQ Sondes co-located with streamflow gages
- Parameters include:
  - Dissolved Oxygen
  - Temperature
  - pH
  - Conductivity
Current Status

• Funding is in all 3 legislative budget proposals; this task will move forward.
• Shoreline Permitting with Lewis County is complete and permissions have been obtained for multiple sites so far.
• Installations slated to begin week of June 22.
Continuous Water Temperature

- Ecology Monitoring ~15 sites
- WDFW Monitoring ~30 sites
- Temperature Measurements every 30 minutes.