

# Proposed Streamflow Gaging for 6 Upper Chehalis Tributaries to occur July 2015- June 2017

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



# Monitoring Objectives

- Fill in existing data gaps to evaluate water quality effects of the proposed dam
- To gage 6 currently unmeasured tributaries to the Upper Chehalis River
- To collect continuous WQ data at those stations





# 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)



## River & Stream Flow Monitoring

[assessment](#) > [flow monitoring](#) > [state network](#) >

[g station](#)  
[outh](#)  
[monitoring station](#)

Station details

ID	25F060
type	<a href="#">Telemetry</a> 
Latitude	46° 11' 26" N
Longitude	123° 10' 43" W
Stream class	A
River mile	0.5
Staff lead	Casey Clishe <a href="mailto:casey.clishe@ecv.wa.gov">casey.clishe@ecv.wa.gov</a>
County	Cowlitz
Ecoregion	Volcanics
Period of record	June 2004 - Present



Water Resource Inventory Area (WRIA)  
25, Grays-Elochoman

5 active stations  show historical

id	station name	type*	coop
25B060	Grays River nr Mouth	T	y
25C060	Elochoman R. @ Monroe Dr	T	y
25D050	Germany Cr. @ mouth	T	
25E060	Abernathy Cr. nr mouth	T	
25F060	Mill Cr. nr mouth	T	

\* T=telemetry SA=stand alone MSH=manual stage height

This station is subject to severe backwater effects when the stage on the Columbia River exceeds 10.50 feet. (USGS stream gage 14144700, Columbia River at Vancouver)

[General](#) | [Flow](#) | [Stage](#) | [Water Temp.](#) | [Air Temp.](#) | [Turbidity](#) | [Diss. Oxygen](#) | [Conductivity](#)

### Station Photo



# 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
- Beginning to work on permitting and permissions for all 6 locations

