

## STREAMKEEPERS' WORK PLAN FOR 2019

### REVIEW OF PROGRAM PRIORITIES FROM PRIOR YEAR:

- **Study correlation of ProDSS data with Streamkeepers' old equipment; share turbidity findings with Ecology.**
  - *We've shared preliminary data with Ecology, along for a rationale for Ecology accepting ProDSS turbidity data; Ecology's initial response has been to say no, but they haven't answered Ed's questions about their rationale.*
- **Complete migration of pre-summer-2010 data into new database.**
  - *Work proceeded on this project through May 2018, when Ed got too busy; he hopes to resume in Feb. 2019.*
- **Secure funding to resume bug sampling in the summer.**
  - *Funding was provided by the Clallam County Road Dept., in consultation with the Dept. of Community Development. Working with the Quileute Tribe and the City of Sequim, we collected 29 samples. We were also able to put together all the B-IBI data gathered by Streamkeepers or Ecology from 1997-2017 and produce a summary map and table.*
- **Install stream gages in Peabody, Valley, and Tumwater Creeks and construct rating curves for these streams as well as possibly others nearby. Assess the value of calibrated gages for Streamkeepers and other partners. As appropriate, expand the program and write a Quality Assurance Project Plan.**
  - *We re-installed the gage at Peabody 0.2 and installed new gages at Peabody 0.4, Valley 0.4, and Tumwater 0.1. A special flow team plans to take flow-vs-stage readings at these sites during the 2018-19 wet season, and the quarterly stream teams are taking side-by-side readings as well.*
- **Explore ways to improve sharing of data findings with a variety of audiences.**
  - *No progress; this item depends on volunteer initiative.*
- **Continue to seek greater integration with regional monitoring, protection, and recovery efforts.**
  - *We continue to work with partners across the North Olympic Peninsula and are part of several Near-Term Action proposals submitted to the Strait Ecosystem Recovery Network of the Puget Sound Partnership, including a proposal to revise and adopt a Comprehensive Stormwater Management Plan for Clallam County.*

### PROPOSED PRIORITIES FOR NEXT YEAR:

- **Resolve the issue of Ecology accepting ProDSS turbidity data.**
- **Complete migration of pre-summer-2010 data into new database, and convert the database to SQL Server.**
- **Devise a long-term bug sampling plan.**
- **Construct rating curves for stream gages on Peabody, Valley, and Tumwater Creeks as well as for other sites on these and nearby streams as possible. Assess the value of calibrated gages for Streamkeepers and other partners (e.g., calculating bacterial loading for the City of PA). Consider expanding and writing a QAPP.**
- **Explore ways to improve sharing of data findings with a variety of audiences.**
- **Continue to seek greater integration with regional monitoring, protection, and recovery efforts.**
- **Make a smooth transition as Ed retires (projected for 7/1/19).**

**REGULAR MONITORING ACTIVITIES:** *See WQ Sampling Plan and other special-project plans*

**SPECIAL PROJECTS:**

<u>Status</u>	<u>Project</u>	<u>Description</u>	<u>Sponsor</u>	<u>Timing</u>	<u>Time Commitment</u>	<u>Requires New Protocol?</u>	<u>Funding included?</u>	<u>Staff Requirements</u>	<u>Comments</u>
Active	PIC Trends Monitoring	Long-term monitoring for bacteria & nutrients in east WRIA 18 (Clean Water District)	Clean Water Work Group (DRMT)	Monthly/ Quarterly	1-2 days per month	PIC QAPP	Grant pass-through	Recruitment, training, management of team + data	Funded through March 2019
Active	Port Angeles WQ Monitoring	Sites in the PA area	City of PA	Monthly grab samples, plus macroinverts?	1 field team	No	Lab work + staff time	Recruitment, management of team & data	Funded through 2021
Active	NPDES response	Respond to Ecology proposal to include County in stormwater permit for City of PA	Clallam County Road & Com Dev. Depts.	Varies	Varies	No	Yes (Road Dept.)	Research and data analysis as needed	Decision will be made in 2019
Active	Quileute bug collection	Bug sampling at West End sites	Quileute Tribe	Summer	Sampling, sort-ing, data entry	No	?	Training, oversight	# of sites vary from year to year
Active	Sequim bug collection	Bug sampling at Sequim sites	City of Sequim	Summer	Sampling, sort-ing, data entry	No	Yes	Training, oversight	# of sites vary from year to year
Active	Bug Sorting	Pre-sort of benthic macroinvertebrate samples	Volunteers	Weekly	One half-day per week or as needed	Provided by taxonomist	No	Minimal	Work load depends on # of samples collected
Active	Hoko River	Monitoring of lower Hoko River	Citizens	Monthly	One half-day per month	No	None needed	Data management, QC oversight	
Active	Research Team	Various projects	Volunteers	As possible	As possible	No	No	Direction & liaison with SK advisors, Ecology, others	Staff has limited capacity to direct this
Active	Public education & outreach	Presentations at schools, community groups & events	Volunteers	Throughout year, esp. spring/summer	Depends on volunteer interest	No	No	Provide support to volunteers	Depends on volunteer initiative
Complete	Culverts	Inventory of all Clallam County road culverts	NOP Lead Entity	1-2 times per month	1-3 volunteers per day	Provided by sponsor	No expenses for SK	Minimal	Field work completed June 2018