Summary of Current Columbia River Basin Toxics Reduction Workgroup Grantee Monitoring Work	
Nez Perce Tribe in partnership with the University of Idaho and U.S. Fish and Wildlife Service	**Work to be completed:** Monitor current ***Clearwater River (Idaho) watershed*** conditions for toxics/pollutants, including several Columbia River Basin priority Tier I and II toxics in biota (i.e. fish, mussel, lamprey ammocoetes), water, and sediment. **Objectives:** 1) Supplement Clearwater River watershed data 2) Fill data gaps for middle-upper Columbia River Basin 3) Provide baseline data for the Clearwater River watershed to inform future monitoring and trend evaluation
Regents of the University of Idaho	**Work to be completed:** Monitor mercury in crayfish, in two sub-water sheds, the ***Spokane River and Boise River basins.*** Local citizens affiliated community group members will collect the organisms. Communicate results to local communities. **Objectives:** Support the following Columbia River Basin Research Priorities: 1) Increase monitoring data available for mercury, a priority pollutant in the Columbia River Basin, to support status and trends evaluation. 2) Facilitate community engagement and education regarding mercury's environmental health risks via community participation in monitoring mercury levels in crayfish, a charismatic invertebrate
University of Washington Tacoma at the Center for Urban Waters	**Work to be completed:** Characterize endocrine disrupting chemicals in ***Columbia River waters*** using non-targeted analysis based on liquid chromatography and high resolution mass spectrometry. Where chemicals are identified and adverse toxicity thresholds are available, compare water concentrations of identified chemicals with threshold levels causing adverse effects. **Objectives:** Support the following Columbia River Basin Research Priorities: 1) Characterize the occurrence of priority chemicals in the Columbia River through a focused monitoring program 2) Evaluate the occurrence based on their potential to cause harm to important species 3) Communicate the results to stakeholders.

City of Vancouver	**Work to be completed:** Conduct water quality monitoring in the ***Columbia Slope sub-watershed within Vancouver city limits***. **Objectives:** Support the following Columbia River Basin Research Priorities: 1) Eliminate or reduce pollution by investigation and data collection to identify and prioritize stormwater retrofit project locations to reduce toxic discharges into streams of the Columbia River Basin. 2) Monitoring to evaluate trends by establishing current water quality conditions to identify stormwater impacts and establish a baseline for future trend analysis.
Washington State Department of Agriculture	**Work to be completed:** Expand existing pesticide surface water and sediment monitoring program into ***dryland areas in Eastern WA***. Continue surface water monitoring in the Yakima valley. Educate individuals using pesticides about safety and use procedures that will protect the environment. Collect unused pesticides that are no longer appropriate for application. **Objectives:** 1) Collect data to identify the potential for adverse pesticide effects in agricultural regions. 2) Target pesticide safety and use education efforts based on pesticide detections 3) Promote waste pesticide collection events and remove unusable pesticides safely from areas to protect watersheds.
Confederated Tribes and Bands of the Yakama Nation in partnership with the Washington State Department of Ecology, U.S. Geological Survey, Columbia River Intertribal Fish Commission	**Work to be completed:** Develop a Monitoring Framework and Community Engagement and Outreach Plan to establish a long-term Monitoring Program aimed a tracking the status and trends of toxics in fish, water, sediements, and invertebrates in the ***Middle and Upper Columbia River mainstem***. **Objectives:** 1) Phase 1 – Develop a Monitoring Framework (white paper) with recommendations for a long-term monitoring program (ex. sampling methods, analysis, cost estimates, priorities) & a Draft Outreach Plan. 2) Long-Term – Implement long-term sampling program, periodically assess status and trends of contaminants, provide estimates of risks to human and ecological receptors, implement outreach program.

University of Montana, Confederated Salish Kootenai Tribes, and Salish Kootenai College	**Work to be completed:** Determine baseline bioaccumulation of mercury in the ***Flathead Lake*** food web and evaluate impacts of culling 75% of adult trout on mercury bioaccumulation. Specifically, characterize mercury levels in mountain whitefish. Evaluate current Flathead Lake lake trout consumption for fish obtained from local food pantries as well as awareness of relevant fish consumption advice. Utilize information from mercury bioaccumulation studies to inform CSKT natural resource managers who may decide to re-evaluate their current mountain whitefish consumption advice, engage with community to discuss results and develop a community engagement plan. **Objectives:** 1) Evaluate the impacts of Lake Trout culling on mercury bioaccumulation in the Flathead Lake food web, specifically characterizing levels in food species (i.e. mountain white fish and lake trout). 2) Ascertain current consumption of lake trout distributed to food pantry patrons 3) Ascertain current awareness of fish consumption advice for food pantry patrons. 4) Present on mercury monitoring results and social science survey via meetings involving relevant decision makers, natural resource managers, and public health staff. 5) Use meeting to develop potential approaches to educate the community.