

Development of a

Long-Term Contaminant Monitoring Program - Fish Tissue & Water Quality Parameters, Columbia River Mainstem

(a multi-phased approach)



Monitoring Program Vision

- Study Area: Canadian border to Bonneville Dam, ~600 miles
- Media: fish, water, sediments, invertebrates
- Contaminants: PCBs, dioxins, furans, arsenic, mercury, and DDE
- Frequency: ex. 5-10 yr intervals
- Funded: fully, long-term, codified



PHASES



- **Phase 1** (~2yrs) - Engage Stakeholders and Develop a Monitoring Framework
 - Identify & evaluate existing data and studies – database, document repository, technical memo(s)
 - Develop monitoring program framework – white paper
 - Develop community engagement & outreach plan – draft plan
 - Collaboration
- **Phase 2** (~4yrs) - Implement Monitoring Framework & Long-term Funding, Outreach, and Administration Planning
 - Refine Short/Long Term Budget Needs
 - GIS analyses for study design, identification of database housing and management
 - Develop work plan, QAPPs, SOPs
 - Pilot scale sampling
- **Phase 3** (long-term) - Implement Monitoring Program and Adaptive Management

