

Development of a

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

(a multi-phased approach)

October 22, 2020
Laura Klasner Shira
Yakama Nation Fisheries





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** (Oct 2021- Sept 2022) - 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
 - EPA grant: \$188,378 (\$251,764 with matching funds)
- **Phase 2** (~2yrs) - Implement Monitoring Framework & Long-term Funding, Outreach, and Administration Planning
 - Develop work plan
 - Pilot scale sampling
 - Outreach
- **Phase 3** (long-term) - Implement Monitoring Program and Adaptive Management



HONOR. PROTECT. RESTORE.