



# **River Corridor Baseline Risk Assessment (RCBRA) Human Health Risk Assessment (Volume 2)**

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# Status of River Corridor Risk Assessments

- RCBRA Human Health Risk Assessment is final
  - Response provided to HAB advice #246
- RCBRA Ecological Risk Assessment (Draft C) was transmitted to regulators September 27
- Columbia River Component
  - Draft Ecological Screening Level Risk Assessment ready for regulator review
  - Draft Human health risk assessment will be ready for regulator review by end of year



# RCBRA will be used in CERCLA Remedial Investigation/Feasibility Study (RI/FS)

- RCBRA provides “basis for action” to continue waste site remediation on remaining waste sites
- RCBRA findings reaffirms that waste site remediation under Interim Action Records of Decision are mostly protective of human health
  - RI/FS will evaluate any exceptions and waste sites cleaned up (completed) after RCBRA cut off date
- RCBRA provides preliminary remediation goals (PRGs) to support River Corridor RI/FSs
  - PRGs are levels of contamination that would be protective of human health for a set of activities within a scenario
    - PRGs were calculated for multiple scenarios
- RI/FS evaluates “nature and extent” and “fate and transport” for key contaminants (second bullet)
- RI/FS evaluates cleanup alternatives to meet cleanup objectives for key contaminants



# Changes from RCBRA Human Health Risk Assessment Draft C to Rev 0

- Removed the “Forward” which summarized the DOE Completion Framework document
- Clarifications made to the document:
  - RCBRA groundwater risk assessment was a screening level assessment based on 10 years of data.
    - RI/FS provides a baseline groundwater risk assessment based on current data
  - Leaching to groundwater pathway was not addressed in the RCBRA but would be addressed in the RI/FS reports
  - Chemical PRGs proposed in the RCBRA are based on the direct contact pathway
- Recalculated PRGs to correspond with PRG methodology used in the RI/FS reports.



# Lessons Learned from Interaction with River and Plateau and Public Involvement and Communication Committees on RCBRA

- Communicating information from a complex risk assessment is challenging
  - “Sterile” approach to “personal” issue
  - Underlying assumptions and models may simplify complex conditions

