

Proposed Workshops for Coordinating Data Management & Exchange to Support Improved Columbia River Basin Assessments & Reporting

NEED	WORKSHOPS <i>[attendees]</i>	QUESTIONS	DELIVERABLES
<p>Coordinating our Assessments and Reporting, and the Information Flows that Support Them</p>	<p>PRE-WORK for Regional Policy Workshop #1</p>	<ul style="list-style-type: none"> • Distribute Anadromous Monitoring Strategy (AMS) and Sub-Framework document • Underscore that coordinated data management, assessments, and reporting are follow-on tasks to the AMS to which the “Skamania” participants committed to advancing. • Distribute data management workshops strategy/questions/deliverables, “roadmap” document, and relevant appendices • Distribute list of key policy/data management/biologist participants needed for the data management workshops • Distribute list of questions/consideration/implications the state and tribal agencies should consider internally in preparation for the regional and sub-regional data management workshops (see Bruce Schmidt “Implications” document). • Participants should be prepared to discuss: <ul style="list-style-type: none"> ⊕ What are your agency’s assessment and reporting needs? What assessments and reporting do you do now? On what schedule? How is that changing? ⊕ What inputs do you need from others to do your assessments? What do others need from you to do their assessments/reporting? What data flows best support these relationships? ⊕ How should current methods/protocols/ assumptions change to support more coordinated assessments? When should coordinated assessments be performed and who should conduct them? ⊕ What are the challenges/impediments for your agency in engaging in a coordinated data management, assessment, and reporting strategy? 	

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<p>Coordinating our Assessments and Reporting, and the Information Flows that Support Them</p>	<p>Regional Policy Workshop (#1)</p> <p><i>[Policy representatives and lead assessment and reporting staff]</i></p> <p><i>Recommend that we solicit as much of this information before hand as possible</i></p>	<ul style="list-style-type: none"> • Is your agency committed to supporting implementation of the AMS through coordinated data management, assessment and reporting? • At what level (e.g., field data, population-level derived metrics) is your agency prepared to integrate and share data? • Do you agree that the proposed strategy and deliverables for the workshops is an appropriate approach for designing the desirable data management strategies for the Columbia Basin, evaluating the existing gaps, and determining the resources necessary to implement and support coordinated data management, assessment, and reporting systems? • Is your agency prepared to commit the necessary staff to the data management workshops? • Is your agency prepared to consider the key questions and implications that a coordinated data management approach may pose for your agency? (see Bruce Schmidt “Implications” document) 	<p>COMITTMENT TO WORKSHOPS</p> <ul style="list-style-type: none"> • Presentation of proposed workshops strategy and deliverables • Agreement from agency policy representatives that the proposed approach is appropriate and a critical component to advancing implementation of the AMS.

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<p>Coordinated Strategies for Data Management and Exchange to Support Improved Columbia Basin Assessment and Reporting</p>	<p>PRE-WORK for Sub-Regional Technical Workshops (#1)</p>	<ul style="list-style-type: none"> • Distribute proposed data-flow categories for organizing data management strategies and gaps. • Distribute a “strawman” description of the desired regional strategy for Basin-wide coordinated data management and information exchange. • Distribute NWFSC descriptions of existing data flows in recovery domains. • Distribute questionnaire tool for agencies to assess their current level of data management, and the magnitude of the gap for them to “switch” to the desired regional strategy • Participants to provide feedback on description of the desired regional strategy and to complete and return questionnaire. Participants will be provided a PowerPoint template for presenting a summary of their feedback and questionnaire results. 	
	<p>Sub-Regional Technical Workshops (#1) <i>[assessment biologists and data technicians]</i></p>	<ul style="list-style-type: none"> • What sub-regional monitoring data is being, will be, or needs to be collected/managed to support the identified regional assessment and reporting needs? • What is the current data management approach, capacity and infrastructure? Is it sufficient to support the regional strategy? • What is the same and different about this sub region, what are the patterns? 	<p>INVENTORY AND INITIAL GAP ANALYSIS</p> <ul style="list-style-type: none"> • Results of “pre-work” questionnaires will be compiled to provide a coarse inventory of current data management and metadata practices • Participants will outline a sub-regional data flow and process for assessments to support coordinated information exchange, assessments, and reporting. • Participants will estimate the current gap in implementing coordinated data management, assessments, and reporting.

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<p>Coordinated Strategies for Data Management and Exchange to Support Improved Columbia Basin Assessment and Reporting</p>	<p>Regional Technical Workgroups <i>Several regional workgroups are needed to advance products and guidance to assist sub-regions:</i></p> <ul style="list-style-type: none"> • Regional Data Flow and Assessment Strategy • Data Exchange Templates for each data flow category • Data Sharing Agreements • Metadata Standards • Standardized Terminology • Protocol & Method Documentation • Data Quality Assurance and Control • Database Design <p><i>[key assessment biologist and data technicians]</i></p>	<ul style="list-style-type: none"> • Based on information collected in sub-regional groups, the Regional Data Flow and Assessment Strategy Workgroup will evaluate “What are the alternative approaches for coordinating and integrating data management and exchange within and across sub-regions?” <p><u>Individual workgroups to consider:</u></p> <ul style="list-style-type: none"> • What collective tool/standards/guidance are needed to support sub-basin strategies and ensure Basin-wide coordination? 	<p>REGIONAL STRATEGY</p> <ul style="list-style-type: none"> • High level map for CRB data flows supporting target metrics. • Evaluation of alternative Basin-wide data management and information exchange strategies. <p>REGIONAL GUIDANCE AND TOOLS</p> <ul style="list-style-type: none"> • Workgroups will advance recommendations and/or tools for common data management components (e.g., regional standards for terminology, data exchange templates, protocol documentation, and database infrastructure • Workgroups will propose projects and costs for tools necessary to support implementation of coordinated sub-regional data management strategies.

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Coordinated Strategies for Data Management and Exchange to Support Improved Columbia Basin Assessment and Reporting	Sub-Regional Technical Workshops (#2) <i>[data technicians and the biologists]</i>	<ul style="list-style-type: none"> • What are the specific projects (e.g., database development, protocol and metadata documentation) and staff resources are needed to support the sub-regional data management strategy? • What are the costs and relative priorities of the identified project and staff resource needs? 	PRIORITIZED PROJECTS <ul style="list-style-type: none"> • Confirmed sub-regional data management strategy • Confirmed list of gaps to be filled to implement the sub-regional strategy • Prioritized list of discrete projects (e.g., database development, data entry tools, data documentation) and associated costs • Prioritized list of ongoing staff and infrastructural support needs (e.g., data stewards, database administrators) necessary to care and feed sub-regional data management “systems” once developed and implemented
	Regional Policy Workshop (#2) <i>[Policy representatives and lead assessment and reporting staff]</i>		IMPLEMENTATION <ul style="list-style-type: none"> • Policy agreement on consensus data management strategies. • Identification of one-time and ongoing agency resources available to implement the regional/sub-regional data management strategies • Prioritization of regional and sub-regional projects and ongoing needs • Commitment to implement data management strategies through prioritization of available resources and seeking new resources.

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