

PNAMP Objective 5 Coordinate Pacific Northwest <u>Monitoring</u> Data Management Efforts							
Outcome (from Strategy)	Action Item (from Strategy)	FY06 Tasks	Priority	Product & Completion date	FY06 Resource s Needed	Lead entity/ person	Cross cut for other WGs
<b>Outcome A.</b> Develop a consistent data management methodology within and across each of the PNAMP Workgroups. Provide leadership and coordination between the various workgroups. Establish similar approaches to information management across the various PNAMP workgroups to ensure consistency.	<b>Action Item #1</b> Recommend a common data management methodology for use within and across each PNAMP workgroup.	COMPLETE 2005		Complete			
	<b>Action Item #2</b> Develop a detailed PNAMP Data Management Coordination Plan that follows the methodology and sets out a time frame for deliverables.	Data management coordination plan (this table)				No cost to PNAMP, Task currently supported by NED, StreamNet and Wa State IAC	WG leads

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<b>Outcome B.</b> Establish a close working relationship for data consistency across the Workgroups. Consistent communication of information management approaches across all PNAMP Workgroups.	<b>Action Item #1</b> Develop and share materials, plans and solutions across the work groups and develop common solutions to common data problems.	Continue efforts to establish consistent information management approached for PNAMP workgroups; convene Data Management focused meetings for WG leads <u>minimum every 6 months</u>	High		Not known	SC to reach consensus	All
<b>Outcome C.</b> Identify and document the specific data needs of the <del>for</del> PNAMP and for Watershed Condition Monitoring, Fish Population Monitoring, and Effectiveness Monitoring Workgroups, and other technical workgroups as they are formed.	<b>Action Item #1</b> Assist each technical workgroup to assess and identify their business information needs in order to support each work group's requirements.			A formal needs assessment is not being completed. Needs will be identified on a case by case basis <u>by each group</u> . See for example, alternative action below	See alternative action below		All
	Action Item #2 Document the metrics, sampling designs, and data collection protocols that will be used.			.			All
	Action Item #3 Assess needs and gather user			Partial assessment can			All

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	requirements and preferences of workgroups.			be made when alternative action Step one below is complete...but this will all be iterative			
	<p>PROPOSED ALTERNATIVE TO ACTION ITEMS 1-3 ABOVE: Alternative: (see Appendix B below)</p> <p><b>Step One:</b> complete an inventory assessment of monitoring projects: who is doing monitoring work, where they are doing it and what the monitoring is.</p> <p><u>Follow on steps could be:</u></p> <p><b>Step two:</b> Detailed identification of data that must be shared in the projects identified in the inventory need to share that they cannot already share.</p> <p><b>Step Three:</b> Develop a plan for sharing data identified in Step Two above using existing</p>	<p><u>Alternative: (see Appendix ? below)</u></p> <p><b>Step One:</b> <u>PNAMP SC will</u> complete an inventory assessment of monitoring projects: who is doing monitoring work, where they are doing it and what the monitoring is.</p> <p><u>Step two: to be determined</u></p> <p><u>Step three: to be determined</u></p>	<b>High</b>	<p>The WG leads will provide <u>some</u> technical oversight for Step One, <del>and have prepared a draft Statement of work. Attached as Appendix ? below.</del></p>	TBD	Data WG leads to provide input.	All

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	programs.						

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<p><b>Outcome D.</b> <u>Adopt</u> <u>Develop and</u> <u>recommend</u> data collection <u>and sharing</u> standards <u>for and</u> information to be shared across the various monitoring programs. <u>Validate that</u> <u>data standards are</u> <u>consistent and</u> <u>compliant to the</u> <u>maximum extent</u> <u>possible with any state,</u> <u>regional or national</u> <u>requirements for data</u> <u>collection and</u> <u>management.</u> <u>Document all agreed</u> <u>upon standards and</u> <u>procedures.</u> <u>NOTE from Stewart</u> <u>Toshach: APART</u> <u>FROM DATA</u> <u>MANAGEMENT AND</u> <u>DATA SHARING</u> <u>TOPICS MOST OF</u></p>	<p><b>Action Item #1</b> Leverage existing data collection/reporting standards by engaging in collaborative activities with other data standardization efforts, for example, FGDC, the State Federal Framework effort, the OR/WA Hydrology clearinghouses, Federal PNW Information Coordinating Council (previously IRRIC), NED, and possibly others.</p>	<p><u>PNMAP will</u> <u>Continue</u> collaboration with other data standardization efforts</p>	<p><b>High</b></p>	<p>NED <u>has is</u> <u>developing</u> a set of draft minimum spatial/tempor al definitions for location of projects and sites. <u>The</u> <u>definitions</u> <u>have been</u> <u>circulated to</u> <u>PNAMOP</u> <u>members for</u> <u>comment.</u> <u>Development</u> <u>of other</u> <u>standards is</u> <u>anticipated-It</u> <u>will circulate</u> <u>these</u> <u>definitions to</u> <u>PNAMP for</u> <u>comment.</u> <u>Other</u> <u>standards are</u> <u>anticipated</u></p>	<p>In-kind (time)</p>	<p><u>WG</u> <u>leads PNM</u> <u>AP SC</u> <u>needs to</u> <u>make a</u> <u>decision</u> <u>on</u> <u>adopting</u> <u>these</u> <u>definitions</u></p>	<p>All</p>

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<del>THIS OUTCOME IS NOT A DATA MANAGEMENT OUTCOME.</del>	<b>Action Item #2</b> Interact with NED, IRICC and other regional data entities to ensure that PNAMP monitoring data collection and management complies to the maximum extent possible, with National, State or regional data collection and management standards.	Continue collaboration with other data entities	<b>High</b>	Cross coordination work is continuing with Co Leads involved in PNAMP, PNW-RGIC, NSGIC and various state activities (Forum, OWEB, etc)	In-kind (time)	WG leads	All
	<b>Action Item #3.</b> Review data issues, such as:  Link data collected at the sampling reach with PNW Hydro Clearinghouse data or the best available hydrography layer.	Continue collaboration with regional activities	<b>High</b>	OR & WA Framework groups are working with PNW Clearinghouse to migrate & crosswalk unique identifiers for LLID's with NDH. Oregon hydro data will be completed by Oct. 2005 and WA data will be completed by Feb. 2006.	In-kind (time)	WG leads	All
	Identify a list of needed GIS	Continue		The PNW-	In-kind	WG leads	All

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	layers needed by region, sub-basins, and ESU's, and ensure that GIS data has FGDC compliant metadata The PNAMP watershed group has identified the need for preparation of base spatial data sets The watershed group should finalize this list and forward it to PNW-RGIC	collaboration with regional activities		RGIC is compiling a list of regional Framework GIS layers for development and funding. This list will be built from the FGDC list of 8 layers.	(time)		
	Develop needs regarding monitoring data, including; storage of raw data, data sharing standards and metrics, and access and work with NED, to identify networking solutions.	Provide input into what is needed from other regional efforts			In-kind (time)		All

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<p><b>Outcome E.</b> Share PNAMP requirements and results with regional data networking entities to ensure sharing of monitoring data. Promote a systematic approach to meeting regional data needs through more consistent use of database designs, data protocols, data dictionaries, and data sharing, among PNW participants.</p>	<p><b>Action Item # 1.</b> Interact with and support existing data coordination efforts, for example the Northwest Environmental Data Network (NED) and the Federal PNW Information Coordinating Council (previously IRICC) and others. <a href="#">Responsibility for recommending share data across PNAMP partners is with the PNAMP SC</a></p>	Ongoing	High		In-kind (time)		All
<p><b>Outcome F.</b> Test the collection protocols, sampling methods and data sharing mechanisms. Develop and use verification and testing procedures of PNAMP standards to validate that they work.</p>	<p><a href="#">This is not a data management task. It should however be completed within each of the PNAMP work groups.</a></p>						All

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<b>Outcome G</b> Implement coordinated solutions within PNAMP members programs. Recommend and work to include final workgroup standards into each PNAMP partner organization's information management business operations.	<b>Action Item #1.</b> Interact with regional data programs to provide outreach, education and training <a href="#">to PNAMP partners</a> to support the use of PNAMP data protocols and standards. <a href="#">This action requires the development of coordinated solutions by the workgroups</a>						All
	<b>Action Item #2</b> Advocate that PNAMP monitoring data is collected and shared using PNAMP data protocols and standards.						All
	<b>Action Item #3.</b> Maintain, test, update and correct data collection standards as needed throughout the life of the PNAMP coordination effort.						All