

**RUSSIAN RIVER WATERSHED ADAPTIVE MANAGEMENT PLAN (WMP)  
ON-GOING DEVELOPMENT**

<b>WHEN</b>	<b>HOW</b>	<b>WHO</b>	<b>WHAT</b>
10/25/02	Meeting	Steering Committee	Discussion of drafting scope of work for watershed management plan. Steering Committee did not want to be directly involved in development of scope of work. A separate committee was identified that needed to be science based.
12/24/02	Meeting	Steering Committee	Steering Committee members volunteered to work on scope of work: Jerome Dix, Richard Miller, Jim Nosera, Chuck Conner, Chuck Vaughn, Scott Barrow, and Joan Kelley. Karen Rippey agreed to present the development of WMP draft scope of work at RRWC meeting.
1/3/2003	Meeting	WMP Committee	Committee requested involvement of key agencies to finalize the scope of work. After meeting, Karen requested involvement of key agencies to clarify scope of work. Agency staff agreed to participate at 4 meetings to clarify scope of work. Key agencies: DFG, NMFS, RWQCB, EPA, CDF, SCWA, etc
1/18/03	Meeting	RRWC	Karen Rippey requested RRWC involvement with scope of work development with on-going involvement of WMP Committee.
1/29/03 2/10/03 2/18/03 2/24/03	Meeting	WMP Committee	Four WMP Committee meetings (with agency involvement) to clarify WMP scope of work.
3/8/03	Meeting	RRWC	Karen Rippey with Bob Anderson presented draft scope of work and responded to questions. RRWC requested that the committee revisit scope of work at <b>ONE</b> additional meeting to address RRWC questions.
4/8/03	Meeting	WMP Committee	A discussion of WMP Committee members' expectation - a range of views and anticipated outputs identified. The committee wanted assurance that there would be tangible results for watershed protection and restoration. Task 1 was edited. During the meeting and after meeting, Karen received emails and spoke with several committee members who expressed concerns for feasibility of outcome and an interest in identifying a consensus approach to represent the diverse interests of the RRWC.
4/10/03	Phone	David Lewis	Karen requests U.C. Cooperative Extension involvement to support/facilitate a "neutral" scientific and technical review panel to ensure the draft scope of work is feasible, consensus building, and represent the diverse interests of the RRWC.

<b>WHEN</b>	<b>HOW</b>	<b>WHO</b>	<b>WHAT</b>
4/17/03	Meeting	WMP Committee	WMP Committee supports U.C. Cooperative Extension Task Paper with several key points raised: 1.) the panel should concentrate on resource management verses academic (practicality verses theoretical) 2) the panel should include a member who has experience in writing RFPs (to ensure we get the product we are seeking) 3) Panel member's resumes should be emailed to WMP Committee before "input" meeting 4) It is not necessary to include RRWC members on the panel to provide feedback, unless their qualifications meet panel needs (do not show favoritism, rather concentrate on qualifications)
8/18/03	meeting	WMP Committee	WMP Committee finalized WMP Scientific and Technical Review Panel members for October 22-24 Workshop and agreed the scope of work incorporates key elements of POA. Committee approved Panel members and final draft of scope of work
10/22-24/03	Workshop	S&T Panel	U.C. Cooperative Extension held the Science and Technical Panel workshop to review and propose updates to the WMP scope of work
12/9/03	Meeting	WMP Committee	Review the updated WMP scope of work and report. WMP scope of work approved with minor changes.
12/17/03	Meeting	Steering Committee	At the request of WMP Committee, scope of work was placed on the January 17, 2004 RRWC meeting agenda
1/17/04	Meeting	RRWC	WMP scope of work approved by RRWC. Member of Science and Technical Review Panel provided an overview of workshop and reasons for changes to scope of work.
3/13/04	Meeting	RRWC	Karen Rippey provided guidance document to RRWC approval for the formation of the WMP Technical Review Committee
4/04-8/04	Email & phone	TRC Members	Karen Rippey request participation of member to WMP Technical Review Committee (TRC)
4/04-1/05	Email & etc	Contracting	Contracting delays due to funding and technical difficulties
1/05-6/05	Email & phone	ERDC	Negotiation with ERDC for time and costs proposal ERDC started work on 6/15/05
6/20/05 7/7/05	Meetings	TRC	TRC meeting to review and approve ERDC Study Plan for Task 1A and 1B and provided on going input to complete tasks.
10/24/05	Meetings	TRC	ERDC presented final report for Task 1A and 1B. Task 1A created a spreadsheet that categorized existing data. Task 1B developed a preliminary list of "criteria" and "indicators" for ranking watershed assessment units.

<b>WHEN</b>	<b>HOW</b>	<b>WHO</b>	<b>WHAT</b>
2/1/06	Meetings	TRC	ERDC presented study plan for Task 1C and 1E. ERDC requested input on modeling program. A wide variety of options are available for evaluating watershed condition and it was determined that the Ecosystem Management Decision Support 3.1 (EMDS) provides the most suitable framework. The Ecosystem Management Decision Support is a mature ArcGIS extension that integrates GIS, knowledge based model development and testing, scenario simulation, and priority analysis into a single framework (Reynolds et. al., 1996, Reynolds et. al., 2000, Reynolds 2002, Reynolds and Hessburg 2005). The Ecosystem Management Decision Support is being utilized by the North Coast Watershed Assessment Program (Bleier et.al. 2003), as well as other watershed based analysis in the Pacific Northwest. More information about EMDS is available at the following web site: <a href="http://www.fsl.orst.edu/emds/index.htm">http://www.fsl.orst.edu/emds/index.htm</a> .
2/06	Prop 50	Mendocino RCD	DWR approved RCD grant application (submitted by Michelle LeBeau, RRWC coordinator) to complete Task 2, Draft WMP. Karen Gaffney was hired by RCD to complete the work as described.
4/26/06	Meetings	TRC	ERDC will present the first round of draft netweaver logic models for assessing scorecard "criteria", and will update progress in filling data gaps
9/06	Meetings	TRC	Task 1 complete, support development of Task 2 with RCD/Karen Gaffney, and start Task 3.

## **RUSSIAN RIVER WATERSHED ADAPTIVE MANAGEMENT PLAN (WMP)**

The WMP will provide essential tools to assist local decision makers and managers minimize impacts and implement watershed improvement projects. The WMP will develop a set of indicators for watershed health to evaluate the effectiveness of management actions. Also the management plan will provide measurable goals and recommendations for necessary watershed restoration, protection, and management.

This project consists of two components: the development of a watershed management plan and extensive research on the health of the watershed.

A summary of the WMP Components is as follows:

- 1) Baseline Watershed Assessment – baseline conditions database criteria and indicators model and rank watersheds.
- 2) Draft Watershed Management Plan – Develop and screen management measures
- 3) Implementation Plan – Demonstration of management measures site designs
- 4) Monitoring Plan – Create watershed conditions scorecard and monitoring methods
- 5) Final Plan – Comply previous information to assist local entities with sustainable watershed management

A summary of the Research Components is as follows:

- 1) Identify representative sub-watersheds – classify watersheds
- 2) Hydrologic Regime – Measure and analyze water quality and quantity, surface and subsurface flows, storage and future conditions of water use.
- 3) Floodplain hydraulics – Identify and recommend practices that manage a flow regime that is appropriate for sustainability in the watersheds, mainstem, and estuary
- 4) Sediment Regime – Quantify watershed sediment production, transport, and deposition.
- 5) Surface and subsurface water quality – Evaluate existing and future point and non-point pollution in the watersheds
- 6) Riparian and upland habitat – Recommend appropriate vegetation management techniques
- 7) Human impact evaluation – Recommend appropriate sustainable land use management techniques based on specific land conditions and human impacts
- 8) Synthesize research results – Extrapolate previous information to characterize and correlate watershed conditions.