

## Meeting Record

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<b>To:</b>		<b>From:</b>	
<b>Name:</b>	Tony Danna, Earl Nelson and meeting attendees	<b>Name:</b>	Elizabeth Boyd
<b>Firm:</b>	DWR - DFM	<b>Firm:</b>	AECOM
<b>Fax number:</b>		<b>Date Sent:</b>	June 28, 2011
<b>Meeting Date:</b>	June 16, 2011		
<b>Project Name:</b>	Lower Feather River Corridor Management Strategy		
<b>Project Number:</b>	60217656		
<b>List of Attendees:</b>	See last page for attendee list		

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**Subject:** Lower Feather River Corridor Management Strategy Meeting DRAFT Summary

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**Distribution:** Attendees

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The following is a summary of the meeting held on June 16, 2011.

ITEM	Description	ACTION ITEMS
<b>Regular Business Items</b>	<p>Tony Danna shared with the group about the possibility of getting a sharepoint/coordination site for use by the CMP group. He is working on getting a site approved and working.</p> <p>Tony asked for input on the agenda. There were no comments or suggestions.</p>	
<b>Task Order #33 Review</b>	<p>Tony introduced the Task Order discussion and reviewed the Phase 1 deliverables. Earl explained the schedule for the Task Order using the PPT.</p> <p>Lisa Mangione introduced the AECOM project team for the TO 33.</p> <p>Earl stated that there are some products that are not specified in the TO, but are needed, including a conceptual recreation opportunity discussion, discussion on agriculture (where and how it fits, compatibility), and information about restoration opportunities and maintaining the habitat that is there currently. DWR would like to focus on how the 1,600 acre TRLIA setback site could be restored. This is not named as a deliverable, but there is some discussion that AECOM would come up with a conceptual plan.</p> <p>NOTE: The CMP will include a conceptual habitat restoration plan and a conceptual recreation plan.</p> <p>Steve Chainey said that, until there is consensus on restoration opportunities, it's hard to know how to</p>	

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	<p>model the hydraulics.</p> <p>Earl clarified that not all activities will be able to be permitted in advance.</p> <p>There needs to be some consensus on the footprint of agriculture and restoration and anything affecting roughness in the corridor.</p> <p>Earl reminded attendees that the agenda includes some time to start drawing lines on the map as to where roughness and high flow channel will be. Later in the process the plan will need more specifics about where wetlands will occur. The TRLIA setback area was modeled as a riparian jungle, and passes the flows with plenty of freeboard in that area.</p>	
<p><b>Field Tour Review</b></p>	<p>Tony presented on the field tour and reviewed how many people attended and the general discussion topics.</p>	
<p><b>Restoration Opportunity Analysis</b></p>	<p>See PPT presentation provided by Stacy Cepello.</p> <p>Eco-FIP (Ecological Floodplain Inundation Profile) is the tool using to identify those areas that are significant for ecosystem restoration.</p> <p>There has been some preliminary modeling with HEC-EFM.</p> <p>John Carlon: What is the difference between the HAR and a simple topo map?</p> <p>Stacy Cepello: Topographical data was the starting point for the Eco-FIP tool. Stacy said this tool will be useful for planning setback levees throughout the Central Valley.</p> <p>HEC EFM is still in process.</p> <p>John: Could you talk about the assumptions. This identifies what gets wet. Biologically, what does that mean?</p> <p>Stacy: This is where we started. And looking to advance our knowledge from the topography, to what gets wet (looking at how often something gets wet and how frequently). Separating out those areas that don't flood frequently and those that do.</p> <p>Earl: Clarified that we are looking at frequently activated floodplain. There has to be a number of days that the area is "activated"/flooded to accommodate species.</p> <p>Stacy: This is known as FAF (frequently activated floodplain) and assumes FAF to be a 2 week/10 day minimum residence time.</p> <p>Earl: There are opportunities to dig out some area and use that soil to create high-ground refuges for mammals during flood events.</p> <p>Ron Unger asked if CVFPP emphasizes having a meander zone for the rivers.</p> <p>Stacy: This process is leading to a discussion of what is possible. This is a tool to identify physical suitability of</p>	<p>Earl to check into Eric Larsen's work and how well it could be included under our schedule.</p> <p>Tony will send the map of Nelson Slough to AECOM.</p>

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	<p>floodplain; water elevation, flows. When you discuss meander, it really is a different question that you would superimpose on this analysis.</p> <p>Sean Bechta asked whether this tool is a first brush to look at this area and then you would have to look at more detailed study.</p> <p>Stacy: Yes. The next analysis would be HEC-EFM and then the meander zone is another analysis. This process shows if you have the space to do something like that.</p> <p>Earl: We had included a meander study in the TO 33 but we were told we could talk to Eric Larson. We need to get his research for the CMP.</p> <p>Stacy: Eric's next task is to work with this group to identify the existing problems and issues.</p> <p>Earl: There is a scope for \$60k worth of effort.</p> <p>Stacy: We'll look into that scope.</p> <p>Kelley Barker: When will the status and trends report be available?</p> <p>Stacy: It would be made available to agencies sometime in July</p> <p>There was further discussion on how the TRLIA levee is affecting the area and clarification on how the lower areas outside of the original levee are working for fish/wetlands.</p> <p>Paul Brunner: Clarified how TRLIA went about choosing the area for the setback. The old levee was put on sand and was in the floodplain. The farmers building the original levee tried to capture as much land as possible and keep the river constrained.</p> <p>John: This has great information for long-term operations and maintenance. And helps to discern where the lower roughness could be and where land should remain in farmland, etc.</p>	
<p><b>Project Description</b></p>	<p>Tony introduced the area showing a broad overview map.</p> <p>Maps don't show TRLIA setback area or show the Scheiber ranch area as wildlife</p> <p>Lisa presented what was discussed during the permitting subcommittee and what is the project description for the permitting strategy.</p> <p>Earl expanded on the discussion. He clarified that they are looking at short-term and long-term permitting needs. It turns out the short-term needs are project specific and don't need anything from this group/project.</p> <p>For programmatic permits, we are looking for something that is repeated at different locations or at one or more locations over a long period of time.</p> <p>Paul added that it's important for individual applications to obtain group approval so even though this group may not lead the individual projects, the projects are</p>	<p>AECOM will send aerial maps to Kelley so that Sutter Yard could mark up the maps.</p> <p>Steve said AECOM will take a stab at "site-selection criteria" and treat is as a work in progress.</p>

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	<p>consistent.</p> <p>Elizabeth: Clarified that the CMP will cover actions and areas that would be desirable in the corridor, not just activities that would be permitted.</p> <p>Susan asked for clarification on the criteria for what projects would be included.</p> <p>Earl clarified that short term applies for what is needed before long-term is in place.</p> <p>Kelley clarified that we are moving away from the short-term strategy. There isn't anything for this group to handle. The RMSAA only covers DWR maintenance yards.</p> <p>Tony: There are many studies that may help us identify the areas that lend themselves to the listed activities.</p> <p>Earl asked about restoration of Nelson Slough.</p> <p>Tina Bartlett: The application for a flood encroachment permit is in for Nelson Slough. They will also be pursuing a permit for planting and would be included in Safe Harbor.</p> <p>Helen: The area and planting has already been designed.</p> <p>Tony: There is a map of the Nelson Slough area.</p> <p>Ron: Will it be useful to include minor alterations to the streambed or channel?</p> <p>Some discussion ensued that this may be covered under the same activities as sediment removal, etc. We don't want to have to do a separate analysis for bank hard points. Add to the list that requires permits?</p> <p>Earl: We are hoping to incorporate the SERP as a method to deal with these issues.</p> <p>Sean Bechta asked whether the plan would address small or large scale utility operations.</p> <p>Steve Chainey agreed and said that we need to make sure that we don't restore in areas that block utility access.</p> <p>Tina: Add fishing access and handicapped fishing access to the list.</p> <p>-----</p> <p>In starting the mapping exercise, Elizabeth clarified that we want to have information on projects with a way to get more specifics.</p> <p>Earl told the group, we want to map the following items:</p> <ul style="list-style-type: none"> <li>• Low Roughness Channel</li> <li>• Sediment Removal Locations</li> <li>• Sediment Placement Locations</li> <li>• Recreational Facilities</li> <li>• Agricultural Locations</li> <li>• Habitat Restoration Opportunities.</li> </ul>	

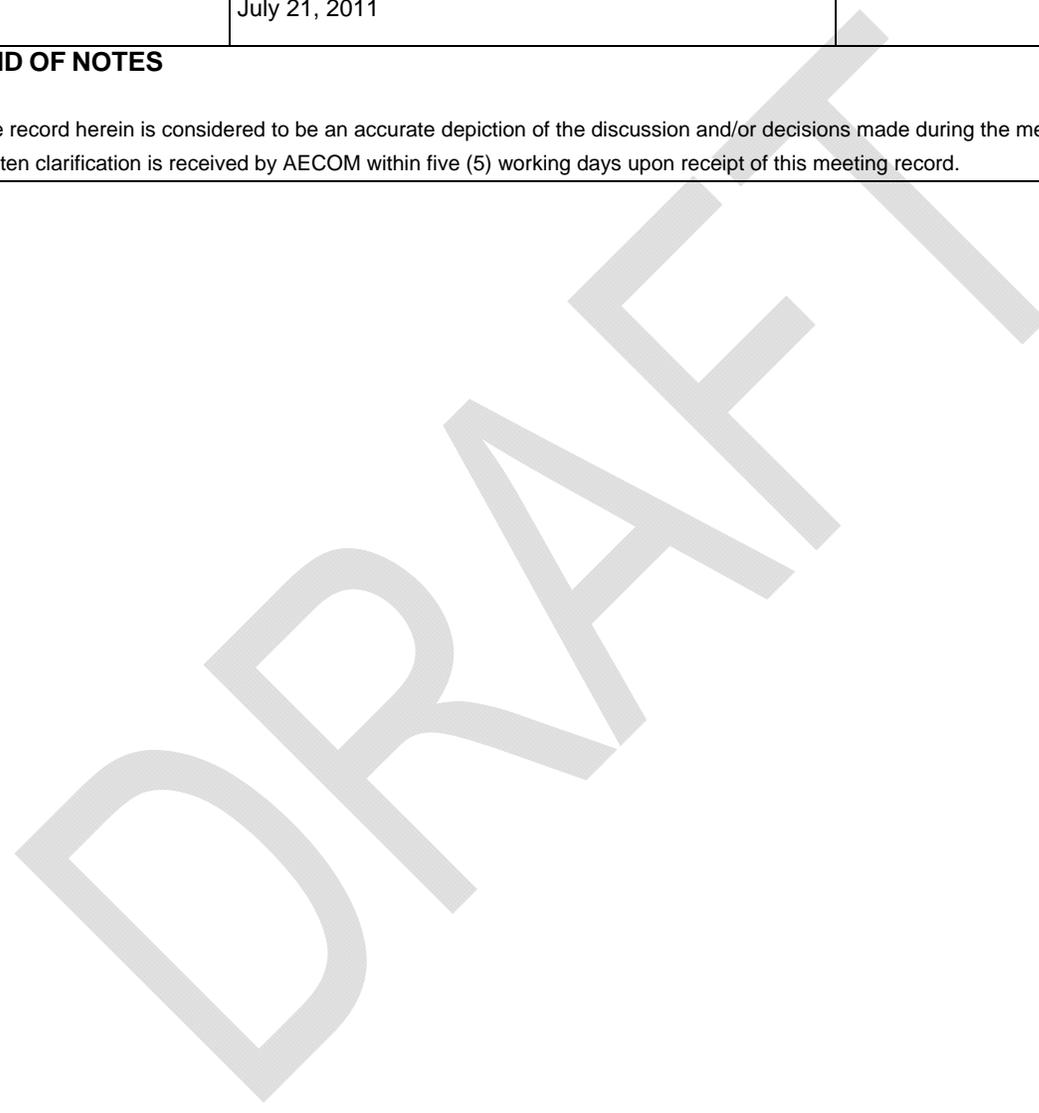
ITEM	Description	ACTION ITEMS
	<p>Some of the comments discussed regarding the maps, included:</p> <ul style="list-style-type: none"> <li>• At area around 16.25 mile mark, it is expensive to keep the area clear (marked on map). Figure out where the low roughness channel should be and plant something that would lower the long-term roughness/ maintenance. It was asked whether AECOM could work with modelers to determine width of low roughness channel.</li> <li>• Kelley wants to get her fisheries staff to be able to look at the maps and give their input.</li> <li>• Paul: spoke that the roughness at 16.25 actually helps to slow the flow down. Look at how much more water would be passing through the Sutter bypass.</li> <li>• Earl suggested looking at increasing the roughness at Nelson Slough when decreasing roughness around 16.25... maybe this would help?</li> <li>• Steve: The modelers need to be able to respond to the suggestions of this group for what the future conditions should be.</li> <li>• Earl: We want to maintain habitat, diverse habitat, allow flow, and as much freeboard as possible and as much habitat as possible.</li> <li>• Lisa: At what time are we going to consider constraints? Like cultural resource sites? Or certain habitat areas.</li> <li>• Earl: This needs to be factored in the planning effort.</li> <li>• Paul asked that we consider hard points.</li> <li>• Steve: Looking at the LIDAR model that Stacy had presented, it provides some more information on where certain areas would be appropriate for habitat, where vegetation may increase whether you want it or not. He suggested that we add criteria for "what is a safe place for where agriculture can occur over the long term?"</li> <li>• Show grassland area in Nelson Slough where the sediment could be removed and it could be made grassland or where riparian habitat could be planted.</li> <li>• John said the opportunity is to look at where the plan could address the river function as a whole.</li> <li>• Look at velocity in relation to roughness.</li> <li>• Do we know where sediment seems to accumulate?</li> <li>• There are two sediment build up locations (Nelson Slough and the area just north of 16.25-mile area.)</li> </ul>	

ITEM	Description	ACTION ITEMS
	<ul style="list-style-type: none"> <li>• Agriculture should be based on modeling and historic uses.</li> <li>• Earl asked for AECOM to come back with suggestions.</li> </ul>	
<b>New Action Items</b>	There were no additional action items.	
<b>Next Meeting</b>	The next meeting will occur on: July 21, 2011	

**END OF NOTES**

The record herein is considered to be an accurate depiction of the discussion and/or decisions made during the meeting unless written clarification is received by AECOM within five (5) working days upon receipt of this meeting record.

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# Lower Feather River Corridor Management Plan

## Thursday, June 16, 2011 Meeting

### Work Group Member Attendance

Participant	Affiliation	Telephone #
Earl Nelson	FPCP Department of Water Resources	916-574-1244
Tony Danna	FESSRO Department of Water Resources	916-574-2738
Kelley Barker	Department of Fish & Game – Northern Central Region	916-358-4353
Paul Brunner	Three Rivers Levee Improvement Authority	530-749-5679
Erin Brehmer	FPCP Department of Water Resources	906-574-2236
Jim Cornelius	Sutter Co. Resource Conservation District	530-674-1461
Jennifer Hobbs	U.S. Fish and Wildlife Service	916-414-6541
Ryan Larson	U.S. Army Corps of Engineers	916-557-7568
Elizabeth Boyd	AECOM	916-414-5852
Sean Bechta	AECOM	916-414-5876
Lisa Mangione	AECOM	916-414-1605
Helen Swagerty	River Partners	530-894-5401 x227
Tina Bartlett	Department of Fish and Game	916-358-2898
Lisa A. Grudzinski (on the phone)	USACE	530-223-9538
Michael Hendrick (on the phone)	NOAA	916-930-3605
Susan Sanders	AECOM	916.266.4921
Stacy Cepello	DWR FESSRO	916-698-5287
Scott Rice	Department of Water Resources	916-837-6415
John Carlon	River Partners	530-894-5401 x224
Gail Kuenster	Department of Water Resources	916-376-9780
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Matt Wacker	H.T. Harvey	530-753-3733 x105
Ron Unger	DWR-FPO	
Steve Chainey	AECOM	