FINAL MEETING NOTES
CRCIP AMT Quarterly Meeting
October 3, 2007

The CRCIP Adaptive Management Team held its quarterly meeting from 9:30 am – 3:30 pm on October 3, 2007 at the Robert Duncan Plaza, Summit Room. The following AMT members and technical support personnel participated in person or via telephone:

Laura Hicks, COE	Agnes Lut, ODEQ	Dylan Davis, COE
Kim Larson, COE	Loree` Randall, WDOE	Paula Ehlers, WDOE
Marci Cook, COE	Dianne Perry, Sponsor Ports	Dale Blanton, DLCD
Robert Anderson, NMFS	Steve Bartell, E2 Inc.*	

* participants via telephone

The following topics were addressed by the AMT participants during the meeting:

July 2007 AMT Meeting Notes

The notes from the July 2007 AMT Meeting were approved with minor revisions. The revised and finalized notes will be posted as approved on the new E2 CRCIP web site.

Project Update

A contract was awarded to the Great Lakes for dredging in FY07 on selected areas in CRM 34-91. Construction by The Great Lakes was underway between September 24 and October 29. Using a new dredge, the Great Lakes vessel was able to pump approximately 4 million cubic yards of dredged materials to upland locations.

Plans are to award work in FY08 that will focus on CRM 71-75. Phase III is intended to be completed by June 2008. Work on remaining consolidated rock is planned for February 2008. The removal of rock and sand will cost approximately $10 million per mile. The dredged materials are intended for beneficial uses.

Additional project activities included the removal of hybrid cottonwoods from Chumley and Woodland Bottoms. The restoration of operational tidal gates on Tenasillahe Island is nearly complete. The resulting fish passage structure should be completed by the end of 2007.

Project construction maps were presented as part of this discussion. These maps will be made available at the E2 web site.

Overview of Columbia River Toxics Reduction Workgroup

Agnes Lut described the activities of the Columbia River Toxics Reduction Workgroup, of which Agnes is a member. The workgroup comprises individuals representing relevant

local, state, and federal agencies with an interest in toxic chemicals in the Columbia River. Agnes provided a two-page summary document that outlined a tiered approach to monitoring priority toxic chemicals in the Columbia River. Tier I toxics include DDT (and metabolites), PCBs, mercury (including methyl mercury), and PBDEs. Tiers II and III expand upon this list. It is anticipated that much of the monitoring of toxics will address Tier I.

Results of monitoring performed in support of the Toxics Reduction Workgroup may be of interest to the CRCIP AEM Project, especially in relation to MA-5. In addition, the Workgroup is interested in several bioindicators of the ecological condition of the river, including juvenile salmon and sturgeon. Additional discussion by the AMT addressed the relevance of the AEM Project to other adaptive management programs planned or underway for the Lower Columbia River and estuary (e.g., LCREP). It was recalled that the AEM Plan discusses the possible integration of the CRCIP AEM Project with other similar programs with an overall objective of establishing a comprehensive adaptive management plan for the river and estuary. It is recognized that such a comprehensive plan lies well beyond the authorization or scope of individual agencies.

AEM Workbook 3rd Quarter Review

The AMT reviewed the status of the monitoring actions using available data for the third quarter in 2007.

MA-1 CORIE Analyses

CORIE data were available for the MA-1 stations through the month of July. Examination of the results of the analyses in relation to the decision criteria for temperature demonstrates that temperature values were within the 60th percentile values for the period from May through July, the period since the July AMT meeting. Analysis of the additional MA-1 temperature data normalized to values reported for the woody station further indicates that the additional data are well within the cluster of points that define the correlations for the three sampling stations.

Similar observations resulted from the analysis of salinity data during the May to July period of available data. Salinity values were well within the decision criteria developed for red26. July data were within the 60th percentile criteria for the grays station. Salinity values were zero for the cbnc3 station. The data points added to the normalized salinity plots for these stations further reinforced the previous analyses and suggested no impacts of Project construction in the form of salinity intrusions during the May - July monitoring period.

The red26 station has been out of service and it will not likely be restored. Investigations of other nearby CORIE locations that might serve as a representative replacement suggest that the Desdemona (dsdma) and Tansy (tansy) stations could substitute for red26. Values of temperature and salinity were highly correlated with red26 values at these two stations. However, the dsdma station is used as a reference location in the normalized plots for

salinity. Therefore, a reasonable selection would be to use the tansy station as a surrogate for red26. Decision criteria consistent with the CRCIP AEM Plan will be developed for the tansy station using available pre-construction data. Data collected during Project construction will be evaluated using these criteria.

MA-2 Dredging Summary

The MA-2 dredging summary tables in the AEM Project Workbook will be updated to include recent construction and disposal of dredged materials.

MA-3 Crossline Surveys

No new information was available for MA-3.

MA-4 Habitat Surveys

No new information was available for MA-4.

MA-5 Sediment Contaminants

No new information was presented for sediment contaminants in relation to the AEM Plan. The Corps (Mark Sippola) will be contacting ODEQ to provide sediment toxic chemical information for the base period and optional work that was awarded to the Great Lakes. The AMT also discussed tracking in the decision summary the areas that ODEQ has approved for dredging.

MA-6 Fish Stranding

Fish stranding was not discussed and will not likely be addressed until the post-construction stranding studies are completed.

Sediments

(See separate sediment agenda item below).

Sturgeon, smelt, crab

It is anticipated that the USGS will finalize the sturgeon report in time for the January 2008 AMT meeting. If the report is available in time, the results will be discussed at the meeting.

No new information was available for smelt in relation to the AEM Plan.

Dale Blanton provided the final crab entrainment report to ODFW for review, but has not received any comments. Dale will check with ODFW and report back at the January 2008 AMT meeting. There is a desire to bring the crab issues to closure at the January meeting.

New E2 CRCIP Web Site

E2 has replaced its previous AMT project FTP site with a special link through its web site (www.e2tm.com) using the CRCIP menu selection. The CRCIP project files are working drafts for use by the AMT. The files are therefore password protected. Completed and approved CRCIP AMT documents are posted for general public access on the CRCIP web site hosted by the US Army Corps of Engineers. The E2 site will continue to be developed, e.g., only the most recent versions of AMT working documents will be retained for AMT access (previous versions will be deleted or archived at E2). Modifications to documents will be uploaded to the web site through E2 to minimize confusion. Additional modifications are underway to make the electronic version of the AEM Workbook essentially identical to the hardcopy version used by the AMT. Members of the AMT generally agreed that the web site was easier to access and use than the previous FTP site hosted by E2. The E2 project FTP site will be maintained by E2 until the new web site has been completely brought up to date.

Sediment Management

The AMT requested that at the January 2008 meeting that Doris and Jon Gornick attend to discuss the sediment issues and to work through how Operations & Maintenance (O&M) and MCR are working with sediment requirements in their certifications. The AMT also requested that EPA participate in the discussion of sediment issues. The agenda for the January 2008 AMT meeting will include a significant block of time to address the varied issues associated with sediment management and disposal in relation to the CRCIP and O&M.

Individual agency AMT participants identified issues of concern regarding sediment management in relation to the CRCIP. NOAA expressed interest in the beneficial use of riverine sites for disposal and the relative merits of dredged material disposal in riverine, littoral, and deep ocean locations. The DLCD defined its interests in relation to sediment management and the Coastal Zone Management Act, as well as deep ocean disposal for the CRCIP and O&M work within the river. WDOE identified their 401 related concerns and disposal in the littoral cell. MCR issues regarding ocean disposal will also be a topic of discussion at the January AMT.

In addition, Washington Ecology indicated that the current sediment document should be modified to indicate that the Lower Columbia Solutions Group should not be charged with responsibility for sediment management in the system. It was recommended that the Corps and the AMT should address near-shore projects involving sediment management.