

**Final Meeting Minutes - INDP Interagency Coordination Meeting**  
August 2, 1995

Attendance List:

Ray McDowell	DWR	(916)	653-9499
Chuching Wang	MWDSC	(213)	217-6188
Laurie Briden	DFG	(209)	942-6171
Frank Wernette	DFG	(209)	948-7800
Stein Buer	DWR-DOP	(916)	653-6628
Shawn Mayr	DWR-ESO		227-1310
Joseph Royer	DWR-D&C		654-6813
Claire LeFlore	DWR-Legal		653-8826
Ted Sommer	DWR-ESO		227-7537
Jim Starr	DFG-Bay/Delta	(209)	942-6070
Jo Turner	DWR-DOP	(916)	653-5016
Scott Cantrell	DFG-ESD		653-8341
Guy Masier	DWR-O&M		653-6313
Tam Doduc	SWRCB-Bay/Delta		657-2041
Ali Ghorbanzadeh	DWR-Delta Modeling		653-9697
Al Candlish	BOR-CCAO		989-7255
Francis Chung	DWR		653-5601
Michelle Wong	DWR-DOP		653-6059
Marco Bell	DWR-DOP		653-9981

Stein Buer opened the meeting asking for introductions from the meeting attendees. Stein mentioned that Jim Monroe of the Corps of Engineers was not able to attend the meeting but copies of an e-mail message Jim sent to Stein were available.

Stein requested any changes or comments on the July 5, 1995 meeting minutes. The minutes were approved as is.

Stein reviewed Deputy Director Potter's comments made at the June Interagency meeting regarding our intent to not release the Draft EIR/EIS for the INDP ahead of the CAL-FED Solution-Finding Process but that current environmental and engineering studies would continue.

Francis Chung made a general presentation on flow and flow splits in the North Delta and how the DWR Delta Simulation Model (DSM) was used to help assess the potential effects of the Interim North Delta Program on water supply, fisheries, and water quality. He talked about some of the assumptions that go into the modeling and the comparison of actual physical measurements and model predictions.

To improve flow data collection in the Sacramento River, the USGS has installed two new Acoustic Doppler Current Profilers: one downstream of Georgiana Slough and one upstream of the Delta Cross Channel. Francis used some recent examples of flow data to discuss flow reversal in the Delta and some relationships between

tidal cycle and flow. For example, the tidal fluctuation in the Sacramento River is "washed out" above 30,000 cfs.

Francis went on to talk about DAYFLOW and the strong correlation between Sacramento River flows at Freeport and Sacramento River flows just above the Delta Cross Channel. In addition, Francis described the impact of opening and closing the Delta Cross Channel on flow splits in Steamboat and Sutter Sloughs. Francis described the DWRDSM in more detail and talked about recent improvements in the model. It was noted that the average annual consumptive use in the Delta is 1.5 million AF, and peaks at about 8,000 AF/day during the summer growing season. Several hypothetical simulations were run to look at possible effects of the INDP. Two channel geometries were simulated. One was the existing condition, and the second was with the lower Mokelumne River channels dredged. Also, various scenarios were run with some combination of the Delta Cross Channel and proposed Hood Diversion open or closed. The simulations show that the flows through Steamboat and Sutter Sloughs increase when both the Delta Cross Channel and proposed Hood diversion are closed.

Frank Wernette asked whether the data and assumptions from the modeling work would be available for those who could not attend this meeting. Stein replied that he would attach them to the minutes from the meeting (please find them attached).

Stein asked Francis to briefly discuss the linkage between DWRDSM and particle tracking modeling. Francis described some of the work DWR is doing to look at particles (e.g., neutrally-buoyant fish larvae) relative to flow splits. Francis acknowledged the uncertainty over the distribution of particles vertically and horizontally in the river channel and noted that the model can simulate both distributions to match field data, if available. Particle tracking will be discussed at length at the next meeting.

Jim Starr indicated that some minor changes needed to be made in the fisheries impact analysis done for the proposed Hood Diversion. Stein requested that Jim discuss the fisheries modeling work and preliminary results in some detail at the next meeting. Jim Starr agreed to do this, and mentioned that he would be using Jo Turner's Status and Trends report for some of the baseline fisheries write-up.

Frank Wernette recommended that the group start looking at impacts in different ways, given the limitations of the current models. For example, we should look at the Jones and Stokes Associates modifications to the USFWS model and follow the "trail" to perhaps make some of the future modeling more useful.

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Laurie Briden discussed the status of the INDP HEP study. Most of the habitat suitability models have been peer-reviewed and the HEP study team has nearly come to agreement on the models for seasonal wetland, grain and row crop, and orchard and vineyard cover types. The team needs to finalize the models and assumptions that go into the models. Stein requested that Laurie discuss in detail at the next Interagency meeting the HEP study process. Laurie agreed to present this information at the meeting.

Ted Sommer mentioned that a meeting with DFG, USFWS and Jones & Stokes Associates staff was conducted last week to discuss the merits of Ted's proposed shallow water habitat modeling effort. There was general agreement from the fish and wildlife agencies that there was sufficient merit in the modeling effort and that Ted should run some tests using a couple of cross sections that represented the habitats of most concern, and a couple of critical low flow months of hydrology.

Scott Cantrell asked for some clarification on whether the Draft EIS/EIS would be released before or after the CAL-FED process and the INDP were synchronized. Stein indicated that he was going to be meeting with DWR managers and Lester Snow on August 3, 1995, to discuss the relationship between the INDP work and long-term solution-finding process. He was uncertain when, and if, he could clearly answer Scott's question.

Scott also asked about the status of the JSA contract. Stein indicated that we were getting close to bringing the 9-month RFQ process to a close with a signed contract. The contract has been at the Department of General Services for more than a week now. Scott felt that it would be nice to have JSA run the Interagency meetings later on for the sake of continuity.

Claire LeFlore mentioned that she would like to see the USFWS, EPA and NMFS at these coordination meetings because her experience in the Interim South Delta Program coordination meetings was that the federal agencies need to be comfortable with the data assumptions, and methods that were used in DWR's analyses before decisions could be made. These meetings are an excellent forum for building the necessary understanding.

Meeting was adjourned at approximately 3:30 p.m.