

**Draft Meeting Minutes
Interim North Delta Program
Agency Review Meeting
October 5, 1995, 1:30 PM
Rm 210, Resources Building**

Participants

Stein Buer	DWR, Planning	(916) 653-6628
Sina Darabzand	DWR, Planning	(916) 653-9648
Mark Meeks	DWR, Planning	(916) 653-8515
Jim Martin	DWR, Planning	(916) 653-9715
Rich Bruer	DWR, Planning	(916) 653-3531
Ali Ghorbanzadeh	DWR, Planning	(916) 653-9697
Francis Chung	DWR, Planning	(916) 653-5601
Kathy Kelly	DWR, Executive	(916) 653-5243
Claire LeFlore	DWR, Legal	(916) 653-8826
Frank Wernette	DFG, Bay-Delta Div.	(209) 948-7800
James Starr	DFG, Bay-Delta Div.	(209) 942-6070
Laurie Briden	DFG, Bay-Delta Div.	(209) 942-6071
Scott Cantrell	DFG, Env. Services	(916) 653-8341
Nick Wilcox	SWRCB	(916) 657-0446
Mark Littlefield	USFWS	(916) 979-2113
Al Candlish	USBR	(916) 989-7255
Bruce Herbold	EPA	(415) 744-1992
Pete Rawlings	Jones and Stokes, Assoc.	(916) 737-3000
Tom Cannon	Jones and Stokes, Assoc.	(916) 737-3000

Minutes of August 2, 1995 meeting were approved as written.

Jim Starr described the features of the USFWS Sacramento River salmon survival model. He presented a map showing the three reaches of the model and discussed the empirical equations that estimated the mortality index in every reach as a function of water temperature at Freeport. He also distributed the results of the recent modeling runs for the INDP alternatives (Handouts attached). **Bruce Herbold** pointed out that in reality the closure of the Delta Cross Channel was more beneficial to the fish than was indicated by the model results.

Stein Buer noted that a screened Hood diversion would be an improvement over base conditions. Compared to base conditions with the Delta Cross Channel open, a screened

diversion at Hood combined with closure of the Delta Cross Channel would improve the salmon survival index by 7 percent. Compared to base conditions with the Delta Cross Channel closed, a screened diversion at Hood would improve Delta water quality without reducing the salmon survival index.

Francis Chung gave a presentation on the DWR Particle Tracking Model. He emphasized that the DWRPTM was a physically based model, and therefore, as long as the physical processes were described correctly and parameters were calibrated with reliable and sufficient field data, this model was a better tool for simulating future conditions and making comparative alternative analysis. He described the Delta Modeling Section's future plans to improve features of the DWRPTM to better simulate behavioral patterns of the smolts, such as reaction to tide and temperature. He also said that the Section will be making future versions of the model more user-friendly and more accessible to other agencies. **Ali Ghorbanzadeh** presented the results of the DWRPTM application to study the impacts of the head of Old River Barrier on entrainment at the CVP and SWP pumping facilities (Handouts attached).

Laurie Briden briefed the participants on the progress of the HEP model development for the INDP study area. She said that 50% of the INDP HEP tasks were complete, and that the HEP team was close to agreement on key assumptions for the INDP HEP model. She presented an example of how the model would be applied in the study (Handouts attached).

Stein Buer asked the participants if they felt that regular monthly meetings were useful in view of the state of the INDP program in relation to the CALFED process. All participants agreed instead of continuing with regular meetings, the inter-agency team should meet as progress on the technical studies warrant. DWR will mail announcements prior to the next meeting, which is not expected to occur before January 1996.

Meeting was adjourned at 3:30 P.M.