

Summary of Key Points from the CALFED Bay-Delta Program Analytical Tools Work Sessions

Fish Species: Delta Resident Fish - Chinook Salmon (June 21)

General Comments

- Use best available information/data/relationships/models.
- Use balanced approach using narrative, indices, and models.
- Use strong relationships that are well known.
- Do not link relationships to develop indices/models unless the links are well known.
- Goal is not number of fish. Ecosystem integrity is important. Goal of program is to improve natural ecosystem functions and integrity.
- Sensitivity analysis is desirable, and explain rationale for all analyses/assumptions.

Assessment Variables

- Modular and flexible approach is needed. May need daily analyses for flow fluctuations on a particular river. Average monthly flows may be appropriate for other affects. Need to assess specific CALFED components.
- Focus on broad ecological functions.

Modeling Tools

- Do not rely heavily on indices or population models. Do not combine/lump, or multiply indices.
- Need to establish more tools to evaluate habitat restoration actions, design restoration component, and differentiate between alternatives.

Unresolved Issues

- How will modeling outputs be characterized? There is great difficulty in comparing and understanding different types of output.

Attendees

Wendy Halverson Martin - CALFED
Alice Low - CH2M Hill
Tom Taylor - Trihey & Associates
Jim Buell - MWD Consultant
Rick Breitenbach - CALFED
Bruce Herbold - EPA
Phil Dunn - CALFED Consultant
Russ Brown - CALFED Consultant
Jordan Lang - CALFED Consultant
Tom Cannon - CALFED Consultant
Warren Shaul - CALFED Consultant
Frank Wernette - DFG
Pete Chadwick - DFG
Ken Lentz - USBR
Randy Bailey - MWD Consultant
Leo Winternitz - DWR

Liz Howard - USBR
Dick Daniel - CALFED
Phil Unger - Entrix
Steve Ford - DWR
Terry Mills - DFG
Jim White - DFG
Jordan Lang - CALFED Consultant
Rick Soehren - CALFED

Summary of Key Points from the CALFED Bay-Delta Program Analytical Tools Work Sessions

Fish Species: Riverine Fish - Striped Bass (June 21)

General Comments

- Supporting variables are likely more important variables than trying to get to adult fish abundance.
- Look at changing relationships based on science and sound judgment, but do not just throw out historic data.
- Federal/state agencies should be involved in helping CALFED team in developing tools/methods/relationships. A few selected individuals will provide input and keep group small so it can still work effectively.
- See "Summary of Key Points" for chinook salmon. All of these issues that were generic to the general CALFED approach were agreed to by the striped bass group, in general. There were no contradictions between the two groups in terms of approach.

Unresolved Issues

- How will the new facilities be modeled? Many of these facilities may fundamentally change the existing system so that historic relationships may not be valid.

Attendees

Wendy Halverson Martin - CALFED
Alice Low - CH2M Hill *
Tom Taylor - Trihey & Associates
Jim Buell - MWD Consultant
Rick Breitenbach - CALFED
Phil Dunn - CALFED Consultant
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Jordan Lang - CALFED Consultant
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