



**Ad Hoc Adaptive Management Plan Committee**

**Meeting #2 Summary – DRAFT**

**June 15, 2021 2:00 p.m. to 5:00 p.m.**

<b>Adaptive Management Plan Committee Members</b>	
<b>Present</b>	<b>Not Present</b>
Stephen Rider (Chair)	Tom Broz
Jerry Busch (Vice-Chair)	Frank Shields
Bob Culbertson	
Joel Casagrande	
Jessie Maxfield	
Adam French	
John Diffenbaugh	
Dawn Reis	
Jonathan Pilch	
John Pritchard	
Christi Suchil	
<b>Staff and Other Attendees</b>	
Brian Lockwood, General Manager	Mike Guth, Sierra Club
Casey Meusel, Associate Hydrologist	Chris Hammersmark, Ph.D., cbec eco engineering
Marcus Mendiola, Water Conservation and Outreach Specialist	Gary Kittleson, Wildlife Biologist, Kittleson Environmental Consulting
Marino Hernandez, Water Resource Technician	Mike Podlech, Aquatic Ecologist, Independent Consultant
Laura Taay, Administrative Analyst/Board Secretary	Reyn Akiona
John Hunter, Ph.D., ESA	Alena Maudru, ESA

**1. INTRODUCTIONS/ROLE CALL/MEETING OBJECTIVES**

Meeting called to order at 2:04 p.m. Ms. Maudru welcomed attendees and called the roll of Committee members (attendance presented in the above table).

**2. CONSIDER CORRECTIONS TO APRIL 29, 2021 MEETING SUMMARY**

The draft meeting summary was revised based on Committee member input as noted below (~~strikethrough~~ indicates deleted text and underlining indicates added text):

- a. Item 6.b.iv.1: A suggestion to add “that would not conflict with the other objectives” to the end of the objective (meaning that farming should be done in a way that controls nutrient runoff, plastic, etc., and promotes wetland vegetation).



- b. Item 6.b.v.2: A suggestion to revise the objective to state “Preserve and enhance and/or improve with the use of native vegetation waterfowl habitat quality.”

### 3. RECEIVE SUMMARY OF MONITORING PROGRAMS

Dr. Hammersmark, Mr. Meusel, Mr. Podlech, and Mr. Kittleson presented summaries of College Lake hydrology, water quality, fisheries resources, and ornithological monitoring programs, respectively. Presentations focused on data collected over the last decade. The presentations are available online: <https://www.pvwater.org/adaptive-management-plan>.

- a. Committee members asked questions regarding agricultural impacts on water quality, turbidity and water quality standards, sedimentation rates, steelhead food, avian species community composition, and the willow forest on the PV Water parcel.

### 4. DISCUSS DRAFT AMP OBJECTIVES

Dr. Hunter continued the presentation and discussion about draft Adaptive Management Plan objectives from where the Committee left off on April 29, 2021. Roundtable discussion ensued, and key points are noted below following each respective preliminary objective.

- a. **Waterfowl Habitat Preliminary Objective:** Consider vegetation management, especially with respect to native and wetland vegetation, and cultural resources management.
- b. **Water Quality Preliminary Objective:** Minimize and/or address conditions that can contribute to algal blooms.
- c. **Invasive Species Preliminary Objective:** The regulatory purpose of the Invasive Species Plan was discussed, as well as how it pertains to fish, animal, and plants. Staff and consultants specified that animal and plant monitoring plans should be prepared separately because one is a permitting requirement (animals, esp. steelhead) and one may be a recommendation of the AMP Committee (plants).
- d. **Research Preliminary Objective:** Support research and community science focused on key uncertainties affecting management.

### 5. DISCUSS DRAFT AMP MONITORING METRICS AND MONITORING-BASED MANAGEMENT TRIGGERS

Dr. Hunter summarized the use of monitoring metrics and monitoring-based management triggers in adaptive management plans in general.

- a. **Fish Passage Metrics and Action Triggers:** NMFS has a requirement that the metrics link back to the objective (e.g. need to consider bypass flows)
- b. **Flooding Metrics and Action Triggers:** Staff noted that during the first few years of operation, the weir height may be tested at different heights to be able to accept a precipitation event.



- 6. NEXT STEPS:** Staff will prepare and circulate a poll to schedule a meeting in late August/early September.

**Meeting adjourned at 4:59 p.m.**