



MEMORANDUM

TO: FRANCES MIZUNO, INTERIM EXECUTIVE DIRECTOR

FROM: GRIFFIN HILL, BIOLOGIST (SCIENCE INTERN)

SUBJECT: SEPTEMBER SCIENCE PROGRAM UPDATE

DATE: SEPTEMBER 27, 2018

As the Water Authority's staff scientist, I regularly provide decision support, literature review, and scientific synthesis reports to the Authority's legal and management staff. Additionally, I am responsible for tracking and engaging with scientific efforts across the Delta. Updates on the activities of these efforts and groups include:

- Tracked the CAMT/CSAMP collaborative science and management effort for which I attend meetings, review reports, and coordinate approaches with collaborating Public Water Agencies (PWAs).
 - Joined the CAMT Salmon Subcommittee and contributed to the synthesis of findings from the CAMT Salmon Workshop.
 - Attended meetings concerning the development of a salmon science plan through the engagement of CAMT, stakeholders, and outside consultants.
- Represented SLDMWA in the Bureau of Reclamation's Structured Decision Making effort as led by Jim Peterson and the Delta Stewardship Council.
 - Participated in a workshop designed to incorporate elements of the Science Integration Team's modeling efforts into the SDM process.
 - Emphasis on tracking bearing to SLDMWA, pushing for the efficient development of decision support tools that improve the decision making process in the Delta.
- Attended the 2018 Bay-Delta Science Conference Sep. 10-12 and provided updates to Authority staff on ongoing and emerging scientific efforts. Also provided recommendations of issues and techniques that may be worth tracking or engaging in directly.
- Engaged the PIs of SFCWA-inherited projects to track progress and solicit products associated with 2018 deliverables.
- Provided research support for a new inter-agency Delta science funding initiative led by Randy Fiorini of the Delta Stewardship Council. Currently working to ensure the priorities of the SLDMWA and other stakeholders are adequately represented in this process. Collaborating with the State Water Contractors in this pursuit.
 - Provided comments on a draft white paper concerning science funding in the Delta. Specifically called attention to the need for an assessment of spending efficiency prior to the allocation of increased resources for Delta science.
 - Secured the involvement of SCVWD (a SLDMWA member) in the process as an important stakeholder voice.

Summary – Technical Budget – As of 10/1/18

1. DIRECT FUNDING – TOTAL – \$400,000				
Direct Funding – Budgeted - \$200,000				
Contract	Budgeted Amount	Committed Amount	Actual to Date	Remaining Uncommitted
SJVIA	\$50,000	\$50,000		
Los Vaqueros	\$50,000	\$0		
Rice fields fish food study	\$100,000	\$50,000		
BUDGET TOTALS	\$200,000	\$100,000		\$100,000
Direct Funding – Contingency - \$200,000				
Shasta Operations / Egg Mortality Model		\$25,000		
Shasta Operations / Egg Mortality Model		\$5,000		
eDNA		\$63,000		
SJVIA – Additional Quarterly Fee		\$9,000		
MBK Modeling - COA		\$60,000		
CONTINGENCY TOTALS	\$200,000	\$162,000		\$38,000
DIRECT FUNDING TOTALS	\$400,000	\$262,000		\$138,000

2. COORDINATED SCIENCE – TOTAL – \$500,000				
Coordinated Science – Budgeted - \$150,000				
Contract	Budgeted Amount	Committed Amount	Actual to Date	Remaining Uncommitted
Delta Following Pilot Program	\$150,000	\$150,000		
BUDGET TOTALS	\$150,000	\$150,000		\$0
Coordinated Science – Contingency - \$350,000				
Delta Smelt Science Plan – Tasks 1/2		\$55,000		
Tule Red Mudflat Study		\$166,712		
Interior Delta Export Effects Study		\$100,000		
Delta Smelt Science Plan – Task 3		\$10,000		
CONTINGENCY TOTALS	\$350,000	\$331,712		\$18,288
COORDINATED SCIENCE TOTALS	\$500,000	\$481,712		\$18,288

3. CAMT – TOTAL – \$105,000				
Contract	Budgeted Amount	Committed Amount	Actual to Date	Remaining Uncommitted
Essex	\$52,500	\$52,500		
Hansen	\$52,500	\$52,500		
CAMT TOTALS	\$105,000	\$105,000		\$0
ALL TECHNICAL - TOTALS	\$1,005,000	\$848,712		\$156,288

4. TECHNICAL – SFCWA BUDGET – NO SLDMWA BUDGET IMPACT			
Contract	SFCWA Funds Transferred	Committed Amount	Actual to Date
2016/17 Blooms analysis		\$66,062	
Yellow starthistle study		\$160,140	
Rice fields fish food study		\$300,000	
SFCWA - TOTALS		\$526,202	