

Lake Mendocino Forecast-Informed Reservoir Operations (FIRO) Viability Assessment Project

Workshop Agenda

July 14-16, 2015

MEETING LOCATION:

Southwest Fisheries Service Center (NOAA NMFS)

8901 La Jolla Shores Drive La Jolla, CA 92037

La Jolla, CA

<https://swfsc.noaa.gov/>

MEETING PURPOSE:

- Review final FIRO work plan, focusing on most recent sections (8,10).
- Share recent FIRO updates and results of ongoing projects/research.
- Discuss and reach consensus on work plan implementation issues.
- Discuss and reach consensus on communications strategy.
- Determine next steps and schedule for moving forward.

LAKE MENDOCINO FIRO STEERING COMMITTEE:

Marty Ralph – Co-lead (UCSD/Scripps/CW3E)

Jay Jasperse – Co-lead (SCWA)

Mike Anderson (CA DWR)

Mike Dillabough (USACE)

Christy Jones (USACE)

Pat Rutten (NOAA/NMFS)

Rob Hartman (NOAA CNRFC HIC)

Robin Webb (NOAA OAR)

Levi Brekke (US BOR)

Mike Dettinger (USGS)

Cary Talbot (USACE – ERDC)

COMMITTEE SUPPORT

Arleen O'Donnell, ERG (Facilitator)

Ann DuBay, SCWA (Communications)

David Ford, Ford Consulting

LOGISTICS:

Directions and parking info are available in the link above (see meeting location).

Lunch will be provided on Tuesday and Wednesday.

Dress is casual.

Tuesday, July 14th

11:30 – Noon

Arrival

Noon- 12:30

Working Lunch

Opening Remarks and Agenda Preview

- Introductions and Opening Remarks (Marty Ralph, Scripps CW3E and Jay Jasperse, Co-Chairs)
- Review Meeting Objectives and Agenda for the Day, Any Suggested Adjustments (Arleen)

12:30-2:30

FIRO Updates and Information Sharing

This time is reserved for updates/presentations/briefings TBD and solicited ahead of time

- 12:30-12:45 –Chris Delaney: Current Lake Mendocino water supply conditions - summary of WY 2015 and considerations for WY 2016
- 12:45-1:00 – Mike Dillabough: Lake Mendocino WY2015 winter operations and deviation request and considerations for WY 2016
- 1:00-1:15 – Pat Rutten: Ecosystem perspectives from WY 2015 and looking toward WY 2016; developments under RR Habitat Blueprint
- 1:15-1:30 – Mike Anderson: Statewide WY 2015 summary and concerns regarding WY 2016.
- 1:30-2:00 – Rob Hartman: Current river forecasting capabilities, developments and near-term needs (to implement FIRO)
- 2:00-2:30 – Marty Ralph and Cary Talbot: Research activities to enable future hydrometeorological forecasting capabilities envisioned to support FIRO (at Lake Mendocino, and potentially other sites), including updates on SB 758 and USACE WOTS

2:30-2:45

Break

2:45-3:15

FIRO Updates and Information Sharing, Continued

- 2:45-3:00 – Robin Webb: HMT, EFREP and AQPI developments relating to FIRO
- 3:00-3:15 – David Ford: FIRO Decision Support Tool requirements and Folsom Spillway project

3:30-4:45

Overview of Final Work Plan (15 min)

Note: Practical Implementation Issues, Group Discussion Part 1 and Subsequent Breakouts

We will wrap up discussion after 50 min and leave last 10 minutes to identify the key issue for more in-depth discussion in the breakout session. The discussion leaders will decide the breakout topic after getting input from the group.

3:34-4:45 Practical Implementation Issues - Group Discussion Part 1

The Coming Year – Preliminary Viability Assessment - Discussion Leader: Jay Jasperse and David Ford

- Evaluations of current forecast skill – meteorology and hydrology
- Hydrological and meteorological information needs
- Preliminary tools and methods to examine for WY 2016
- Proposed timeline for preliminary viability assessment

4:45-5:15 Review Day Two Agenda and Discuss Any Adjustments

5:30-6:30 Happy Hour – Location TBD

Wednesday, July 15th

8:00-8:30 Arrival and Coffee/Continental Breakfast

8:30-9:00 Opening Remarks and Agenda Preview

- Introductions (for new arrivals) and Opening Remarks (Marty Ralph, Scripps CW3E and Jay Jasperse, Co-Chairs)
- Review Objectives and Agenda for the Day (Arleen)

10:00-10:15 Break

Note: Practical Implementation Issues, Group Discussion Parts 2-4 and Subsequent Breakouts

We will wrap up discussion after 50 min and leave last 10 minutes to identify the key issues for more in-depth discussion in the breakout session. The discussion leaders will decide the breakout topics after getting input from the group.

10:15-11:15 Practical Implementation Issues - Group Discussion Part 2

WY 2016 Considerations (who, when, how) – Discussion Leaders: Mike Dillabough/Mike Dettinger

- Deviation request?
- Options for preliminary tools and methods to examine for WY 2016
- Preliminary hydrometeorological outlooks for WY 2016
- Where we see long-term forecasts playing into FIRO (2016, for example)

11:15-12:15 Practical Implementation Issues – Group Discussion Part 3

WY 2017 & 2018 Considerations and Major Test (who, when, how) – Discussion Leaders: Marty Ralph and Cary Talbot

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- Designing a major test, including hypothetical parallel operations
- FIRO DST requirements
- New forecast tools and products
- Evaluation criteria and procedures
- How to measure success

12:15-1:15 Lunch

1:15 -2:15 Practical Implementation Issues – Group Discussion Part 4

If and how to operationalize (who, when, how) – Discussion Leaders: Rob Hartman and Mike Dillabough

- Ongoing deviation requests - Mike
- Water control manual update – Mike
- New forecast methods – Rob
- Science gaps – Marty
- How/where will FIRO DST operate– David Ford

2:15-2:30 Introduce Breakout Topics (Group Discussion Leaders)

2:30-3:30 Breakout session A – for Parts 1 and 2 (Focus on key issues)

Break into 2 or 3 groups

3:30-3:45 Break

3:45-4:45 Breakout session B – for Parts 3 and 4 (Focus on key issues)

Break into 2 or 3 groups

4:45-5:15 Wrap-up and Review Day 3

Thursday, July 16th 8:30AM-Noon

7:30-8:00 Arrival and Coffee/Continental Breakfast

8:00-9:00 Reports from Breakout Groups (10-15 min each)

9:00-9:30 Discussion

9:30-10:00 Communications Plan and Opportunities for Outreach/Engagement – Ann DuBay

10:00-10:30 Next Steps

- Review action items
- Upcoming meeting schedule

10:30 Adjourn Workshop

Post-Workshop De-Brief

11:00 **FIRO Steering Committee Meeting (over lunch)**

1:30 **FIRO Steering Committee Adjourns**