

**Lake Mendocino Forecast-Informed Reservoir Operations (FIRO)  
Viability Assessment  
Workshop Agenda**

**Monday June 27 – Wednesday June 29, 2016**

**MEETING LOCATION:**

Scripps Institution of Oceanography (UC San Diego)  
Southwest Fisheries Service Center (NOAA NMFS)  
8901 La Jolla Shores Drive La Jolla, CA 92037  
<https://swfsc.noaa.gov/>

**MEETING PURPOSE:**

- Share recent updates on Lake Mendocino FIRO activities, including a summary of reservoir conditions during WY 2016.
- Discuss progress to date, identify major issues and suggest resolution of key issues towards development of the Lake Mendocino FIRO preliminary viability assessment.
- Present and discuss progress on FIRO science including analyses and preliminary results of ongoing projects/research.
- Present and discuss priority activities and progress to date on Lake Mendocino FIRO outreach/communications strategy.
- Determine next steps and schedule for moving forward.

**LAKE MENDOCINO FIRO STEERING COMMITTEE:**

Marty Ralph – Co-chair (UCSD/Scripps/CW3E)  
Jay Jasperse – Co-chair (SCWA)  
Mike Anderson (CA DWR)  
Levi Brekke (US BOR)  
Mike Dettinger (USGS)  
Mike Dillabough (USACE)  
Joe Forbis (USACE)  
Rob Hartman (NOAA CNRFC)  
Pat Rutten (NOAA/NMFS)  
Cary Talbot (USACE – ERDC)  
Robin Webb (NOAA OAR)

**COMMITTEE SUPPORT**

Arleen O'Donnell, ERG (Facilitator)  
Ann DuBay, SCWA (Communications)  
David Ford, Ford Consulting

**LOGISTICS:**

Directions and parking info available in the link above and here: <https://swfsc.noaa.gov/>.

Lunch is provided on Monday; Coffee/lunch will be provided on Tuesday, Coffee provided on Wednesday.

**MONDAY, JUNE 27<sup>TH</sup>**

**11:30-Noon Arrival and Registration**

**Noon Working Lunch**

- Introductions and Opening Remarks
- Workshop Objectives and Agenda (Arleen)
- Opening Remarks  
(Marty Ralph, Scripps CW3E and Jay Jasperse, Co-Chairs)
  - Where we are, where we're going
  - FIRO task groups

**12:15-1:30 FIRO Updates and Information Sharing (10 min each)**

- Jay Jasperse: Current Lake Mendocino water supply conditions - summary of WY 2016 and considerations for WY 2017
- Pat Rutten: Ecosystem perspectives from WY 2015 and looking toward WY 2017: Russian River Habitat Blueprint updates
- Rob Hartman: Review of Winter 2015/16 Forecasts CNRFC
- Rob Cifelli: Overview of NOAA OAR FIRO Science activities
- Cary Talbot: Overview of USACE FIRO Science activities

**1:30-2:00 Break**

**2:00-4:45 FIRO Preliminary Viability Assessment (David Ford, Jay Jasperse)**

- Introduction (Jay and David)
- Presentations by Chris Delaney and Matt McPherson
- Report Outline and Review Schedule

**4:45-5:00 Wrap Up, Preview Day 2**

**5:30-6:30 Happy Hour La Jolla Shores Lounge**

**TUESDAY, JUNE 28<sup>TH</sup>**

**8:30-8:45 Arrival and Coffee/Bagels**

**8:45-9:00 Opening Remarks and Agenda Preview**

**9:00-10:15 FIRO Transferability: Joe Forbis (USACE) and Katherine Dahm (US BOR)**

- Katherine Dahm - BOR FIRO pilot projects (15 min)
- Joe Forbis – FIRO Transferability (60 min)
  - Matrix of SAC reservoirs
  - Other reservoirs that have “bands”
  - Brief out on Folsom – progress and lessons learned

**10:15-10:45 Facilitated Discussion on Transferability Parameters: Challenges and Opportunities**

**10:45-11:00 Break**

**11:00-12:15 Science Presentations & Discussion – Part I (Marty Ralph, Cary Talbot Co-Chairs, Science Task Group)**

- Introduction - Marty and Cary
- Forecast Verification Analysis - Scott Sellars
- Requirements and Options for FIRO Decision Support Tools – Benefits and Challenges Ahead - Dave Reynolds

**12:15-1:15 Lunch**

**1:15 -2:30 Science Presentations & Discussion – Part II**

- Verification of West-WRF During AR Conditions at Lake Mendocino- Andy Martin
- AR airborne Reconnaissance and Meso-scale Frontal Wave Analysis – Marty Ralph
- Discussion

**2:30-3:30 Lake Mendocino Storage and FIRO: Meeting Water Quality Objectives for Salmonids (Patrick Rutten and Josh Fuller, NOAA NMFS)**

**Using life-cycle modeling to think about response of Chinook salmon to FIRO (David Boughton, NOAA, NMFS)**

**3:30-3:45 Break**

**3:45-4:45 FIRO Outreach and Communications (Ann DuBay, Arleen O'Donnell)**

- Report out on Outreach/Communications Task Group Action Items
  - Updated FIRO information sheets
  - New shared blog post/calendar

- Shared talking points/power point slides
- Priorities Moving Forward

**4:45-5:00 Wrap-up and Review Day 3**

**5:30-6:30 Happy Hour La Jolla Shores Lounge**

**WEDNESDAY, JUNE 29<sup>TH</sup>**

**8:30-9:00 Arrival and Coffee/Pastries**

**9:00-10:30 Concurrent Working Sessions for Task Groups (In Break-Out Areas)**

- Preliminary Viability Assessment (Jay Jasperse and David Ford)
  - Preliminary viability assessment review plan and commitments
  - Follow-up discussion items from Monday session
- Science (Marty Ralph and Cary Talbot)
  - Science to support next steps of the viability assessment
  - Science needed to assess FIRO transferability
  - Completing inventory of FIRO science summaries/how to get this done/how to use the information
- Communications/Outreach (Ann DuBay and Arleen O'Donnell)
  - Preliminary viability assessment "launch"
    - Who? Key audiences
    - How? Tools, media, briefings, etc.
    - When? Schedule and opportunities to engage
  - Follow-up on communications plan - integrating workshop feedback

**10:30-10:45 Break**

**10:45-11:45 Task Groups Report on Action Items Going Forward (15 min each)**

**11:45-Noon Closing Remarks**

**12:00-1:00 Steering Committee Debrief Session**