

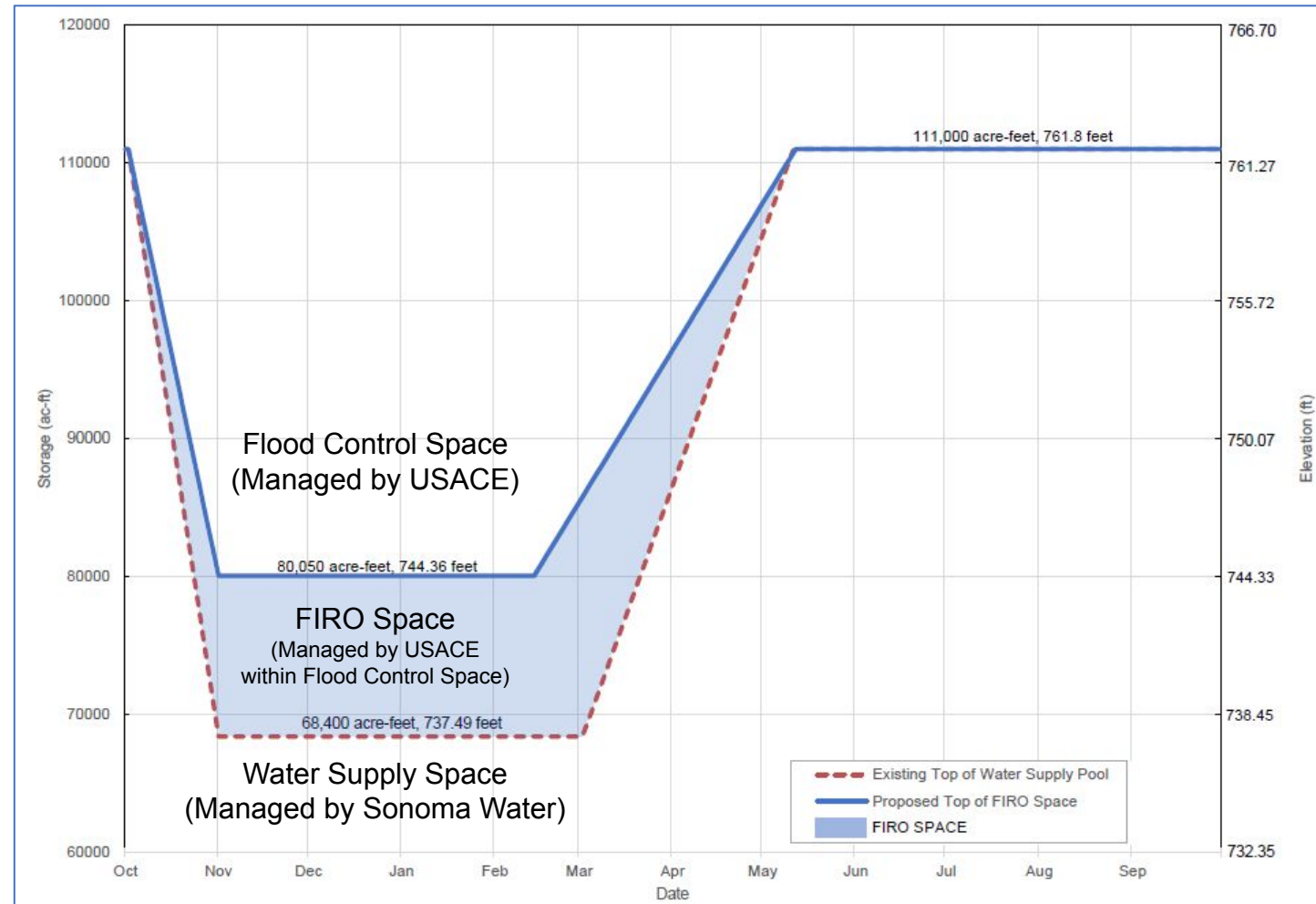
Forecast Informed Reservoir Operations (FIRO) Lake Mendocino WCM Update and Beyond

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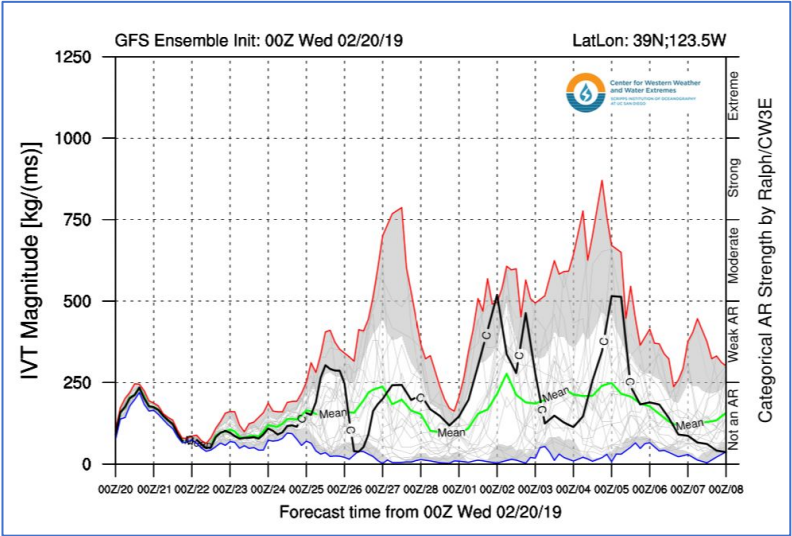
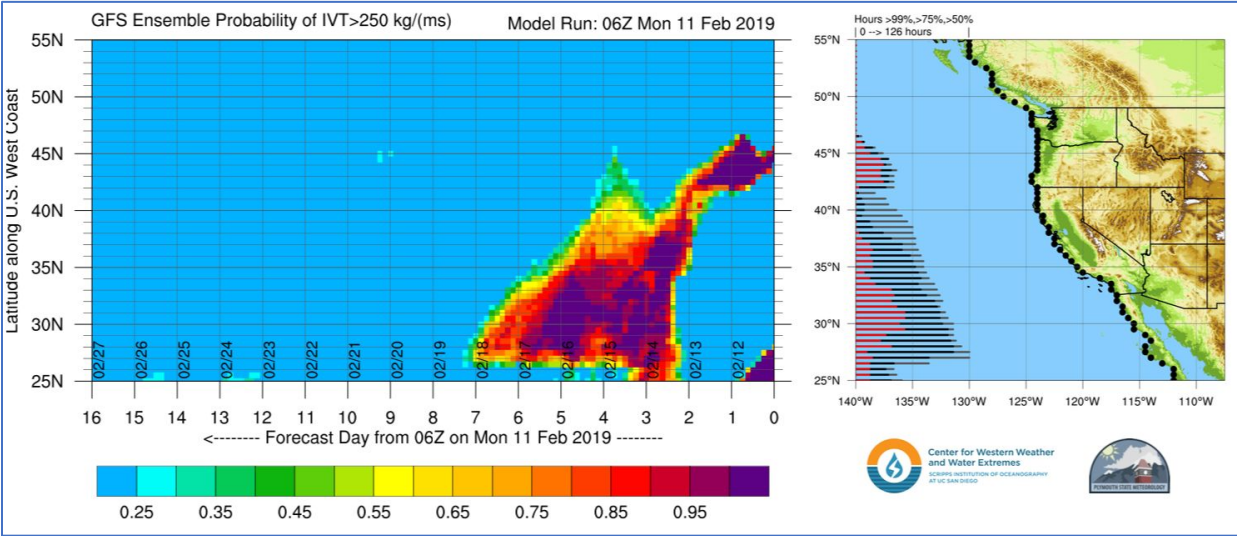
August 2022

Physical Realities of FIRO at Lake Mendocino

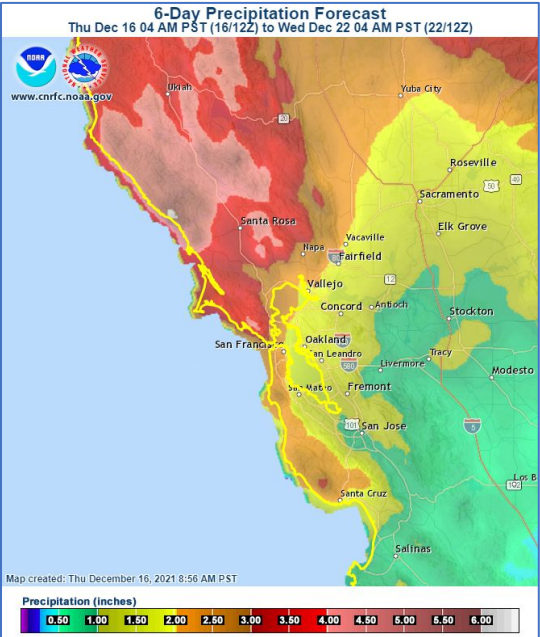
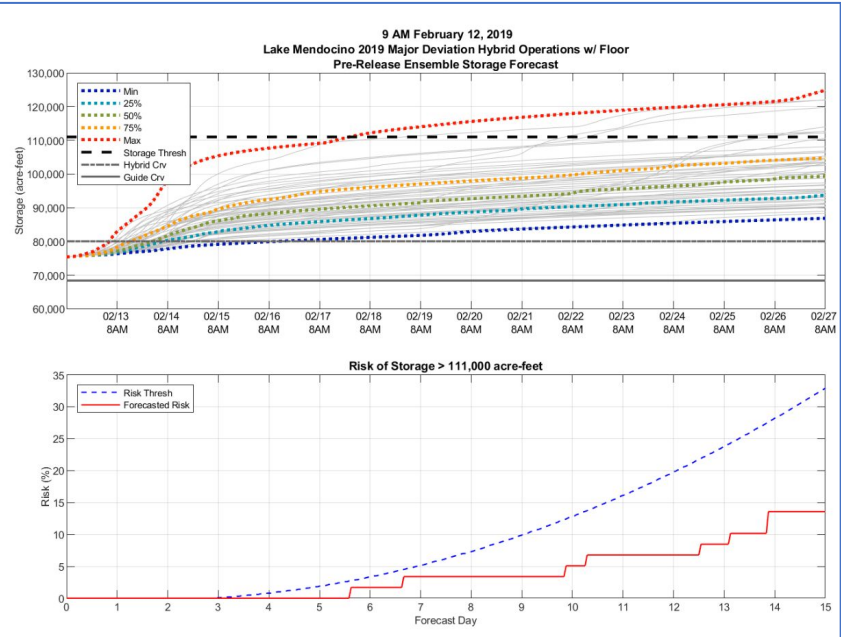
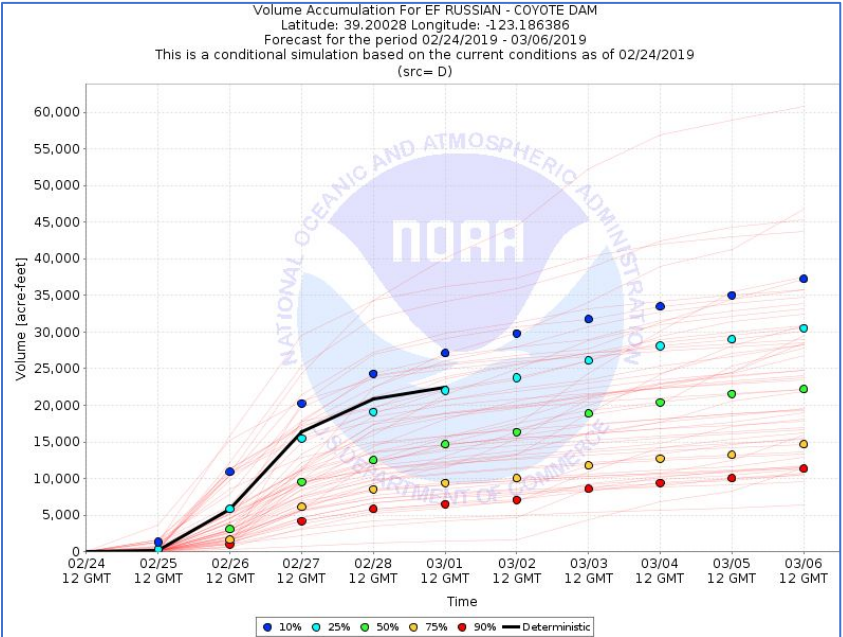
- Multit-use authorities
 - Flood Control Space (above elevation 737.5 ft), managed by USACE
 - Indefinite storage allowed in Water Supply Space (below elevation 737.5 ft), managed by Sonoma Water
- Emergency spillway activation at elevation 764.8 ft
- Experience of the last five years
 - 754 ft – Spring 2017
 - 690 ft – October 2021



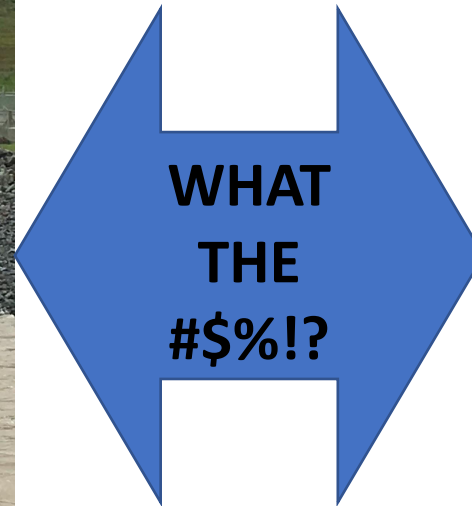
Operational FIRO at Lake Mendocino



Non-USACE products:
CW3E,
National Weather Service,
Sonoma Water



Perceived Realities FIRO at Lake Mendocino



Lake Mendocino Water Control Manual Update and Beyond

Words that come to mind for Water Control Manual Updates –

Expensive, tedious, contentious, **linear**

Words that come to mind for Forecast Informed Reservoir Operations –

Expensive, collaborative, partnership, **dynamic**

How does research and development appropriately persist in an operational framework?

