

OROVILLE DAM CITIZENS ADVISORY COMMISSION

Hosted by the California Natural Resources Agency



ROLL CALL

- Supervisor Gary Bradford
- Lieutenant Steve Collins
- Supervisor Mat Conant
- Supervisor Bill Connelly
- Deputy Director Ted Craddock
- Secretary Wade Crowfoot
- Deputy Director Christina Curry
- Supervisor Dan Flores
- Assemblyman James Gallagher
- Supervisor Steve Lambert
- Deputy Andre Licon
- Supervisor Doug Lofton
- Lieutenant Joe Million
- Senator Jim Nielsen
- Councilmember David Pittman
- Mayor Chuck Reynolds
- Lieutenant Marc Stokes
- Superintendent Matt Teague
- Genoa Widener

ITEM 1:

WELCOME AND INTRODUCTIONS

ITEM 2:

**COMPREHENSIVE NEEDS
ASSESSMENT UPDATE**

Oroville Dam Safety Comprehensive Needs Assessment

Oroville Dam Citizen's Advisory Commission Meeting
August 21, 2020



Multiple Sources of Oroville Activities and Projects

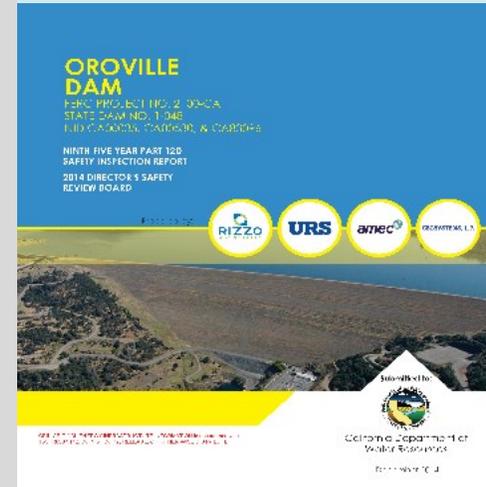
Capital Improvement Program



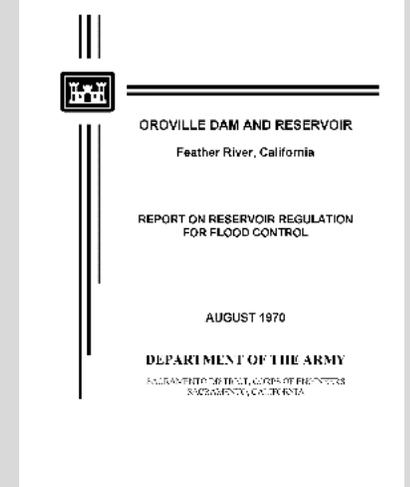
Comprehensive Needs Assessment



Level 2 Risk Assessment and Part 12D



Update Water Control Manual



CNA Purpose

The CNA is a planning study tasked with completing the following:

- Identify and prioritize dam safety and operational needs.
- Identify measures to improve the safety and reliability of Oroville Dam and its related structures.
- Identify potential plans (combinations of measures) for DWR to consider for future implementation and prioritization through normal practices and procedures.

Comprehensive Needs Assessment



Scope and Scale of the CNA

The CNA was organized into six technical focus areas, which were referred to as “tasks” in the CNA. Each of these tasks focused on a different aspect of the Oroville Dam facilities:

- Task 1 – Emergency spillway
- Task 2 – Operations
- Task 3 – Flood Control Outlet headworks and chute
- Task 4 – Low-level outlets (Hyatt Powerplant, River Valve Outlet System, and Palermo Tunnel Outlet)
- Task 5 – Embankments (Main Dam, Bidwell Bar Canyon Saddle Dam, and Parish Camp Saddle Dam)
- Task 6 – Monitoring and instrumentation



Independent Review Board

DWR has convened an Independent Review Board (IRB) to conduct independent technical reviews of key deliverables and document its review of DWR's work products

- Bruce C. Muller, Jr. (Chair), Independent Consultant; retired from US Bureau of Reclamation in 2018 as the Director of Security Safety and Law Enforcement.
- Elizabeth Andrews, PE, Vice President and Principal Engineer, Environmental Science Associates.
- Lelio Mejia, PhD, PE, GE, Senior Principal, Geosyntec Consultants, Inc.
- Paul G. Schweiger, PE, CFM, Vice President, Dams and Hydraulics Section Manager, Gannett Fleming, Inc.
- Daniel L. Wade, PE, GE, Director of San Francisco Public Utility Commission's Water Capital Programs (Mr. Wade resigned from the IRB in December 2019).



CNA Ad Hoc Group

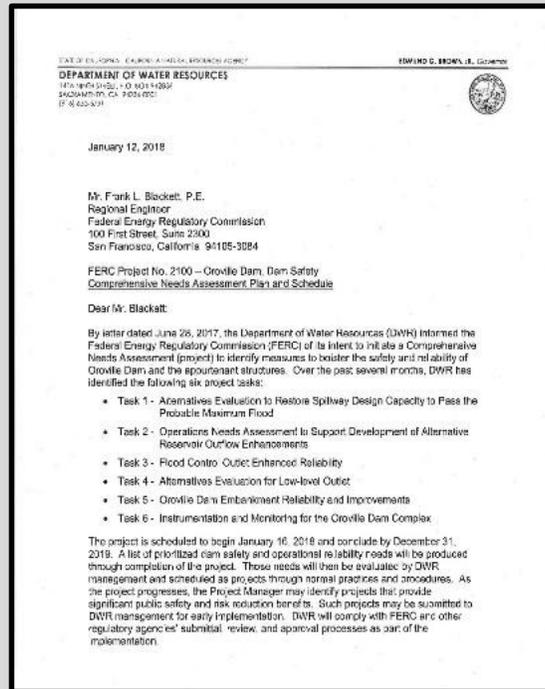
Senator Jim Nielsen and Assemblyman James Gallagher appointed a group of community members to represent the community during the CNA.

- Senator Jim Nielsen (Co-Chair)
- Assemblymember James Gallagher (Co-Chair)
- DWR Representative John Yarbrough (Co-Chair)
- U.S. Representative Doug La Malfa
- Butte County Sheriff Kory Honea
- Butte County Supervisor Bill Connelly
- Matt Mentink
- Ron Stork
- Michael Bessette
- Mark Spannagel
- Genoa Widener
- Sean Earley
- Rune Storesund

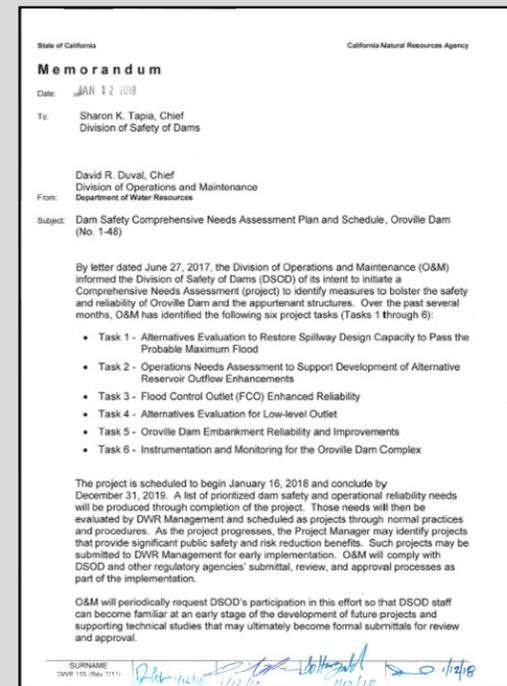


DWR Commitment to FERC and DSOD

January 12, 2018 Letter from DWR to FERC



January 12, 2018 Letter from DWR to DSOD



General Approach

- Assess the condition of the facilities through a risk analysis
 - Identify any immediate dam safety concerns
 - Identify areas needing further investigation
 - Identify risks that warrant the development of measures
- Compare the risk analysis results with the parallel Level 2 Risk Assessment
- Identify potential risk-reduction measures and plans (combinations of measures)
- Identify any measures for immediate or near-term implementation
- Consider the remaining measures and plans in DWR's ongoing long-term planning of projects



Preliminary Results

- No dam safety issues were identified that had a need for immediate risk-reduction actions
- Several areas identified where additional information is needed
- Several measures identified for near-term implementation
- Additional measures identified for further consideration



What Comes Next for the CNA

- Complete and file the full CNA report with FERC by August 31, 2020
- Final meeting of the Ad Hoc group to review the draft Public CNA Report in September 2020
- Completion of the Public CNA Report in October 2020
- Present findings more thoroughly at the next OCAC



ITEM 3:

OROVILLE RECREATION UPDATE

LAKE OROVILLE STATE RECREATION AREA

RECREATION FACILITY OVERVIEW

Day Use

- 7 Main Developed Day Use / Boat Launch Areas
- 5 Primitive Day Use / Car-Top Boat Launch Areas
- Visitor Center Museum
- 3 Concessions
 - Bidwell Canyon Marina
 - Lake Oroville Marina at Lime Saddle
 - North Forebay Aquatic Center
- 88 Miles of Trails
 - 38 Miles Multi-Use
 - 22 Miles Equestrian / Hiking
 - 22 Miles Bicycle / Hiking
 - 6 Miles Hiking only

Camping

- 3 Developed RV/Tent Campgrounds containing a total of:
 - 255 Individual Family Campsites (8 person max)
 - 8 Group Campsites (25 person max)
 - 10 Equestrian campsites
- 5 Boat-In Campgrounds
- 10 Floating Campsites

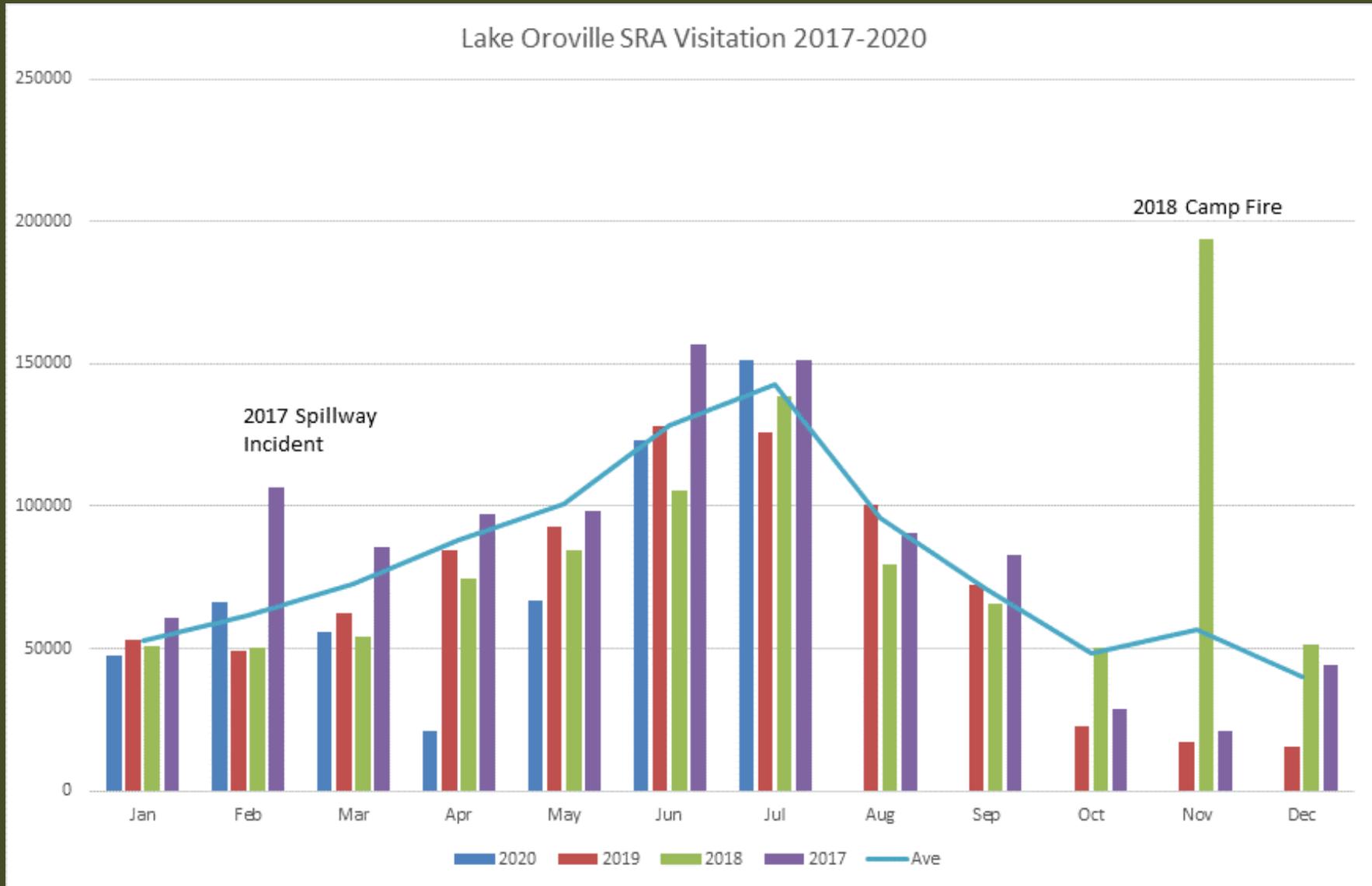


COVID-19 IMPACTS

- **March 13, 2020:** Closure of LOSRA Visitor Center and cancellation of tours and school programs and all special events.
- **March 28, 2020:** Closure to all vehicular traffic in all locations. Pedestrian and non-motorized access allowed for Day Use recreation only. Concession operations closed.
- **May 15, 2020:** LOSRA re-opened for Day Use only. Campgrounds and Visitor Center remained closed.
- **June 22, 2020:** LOSRA Campgrounds re-opened to individual family camping only. All group and floating campsites remain closed.
- **Currently:** Visitor Center all museum tours and programming remains closed. Group and floating campsites remain closed.



ATTENDANCE



Status of Recreation Projects - Oroville Spillways Reconstruction

Project Name	Status
1. Boat Ramp Shuttle Service	Complete
2. Lime Saddle Parking Expansion	Complete
3. Bidwell Canyon Marina Parking Expansion	Complete
4. Bidwell Canyon Stage 1 Boat Ramp Expansion	Complete
5. Loafer Creek Parking Expansion	Complete
6. Bidwell Saddle Dam Trailhead Improvements	Complete
7. New Loafer Point Boat Ramp Stage 1	Complete
8. Bidwell Canyon Stage 2 Expansion	80% Complete (to be completed fall 2020)
9. Low Water Marina Access at Lime Saddle	~60% Complete (on hold due to Lake Elev.)
10. New Loafer Point Boat Ramp Stage 2	Constr. to begin during fall 2020
11. Enterprise Boat Ramp Extension	Design at 65%. (Est. Construction in 2023)
12. Low Water Marina Access Bidwell Canyon	Design in progress (requires low Lake Elev.)
Total Estimated Cost for Program:	\$43 Million

Boat Ramp Shuttle Service



Bidwell Canyon Marina Parking Lot Expansion



Bidwell Saddle Dam Trailhead Improvements



Lime Saddle Parking Lot Expansion





May 24, 2018

**Accessibility
Improvements
(a noteworthy
side benefit!)**





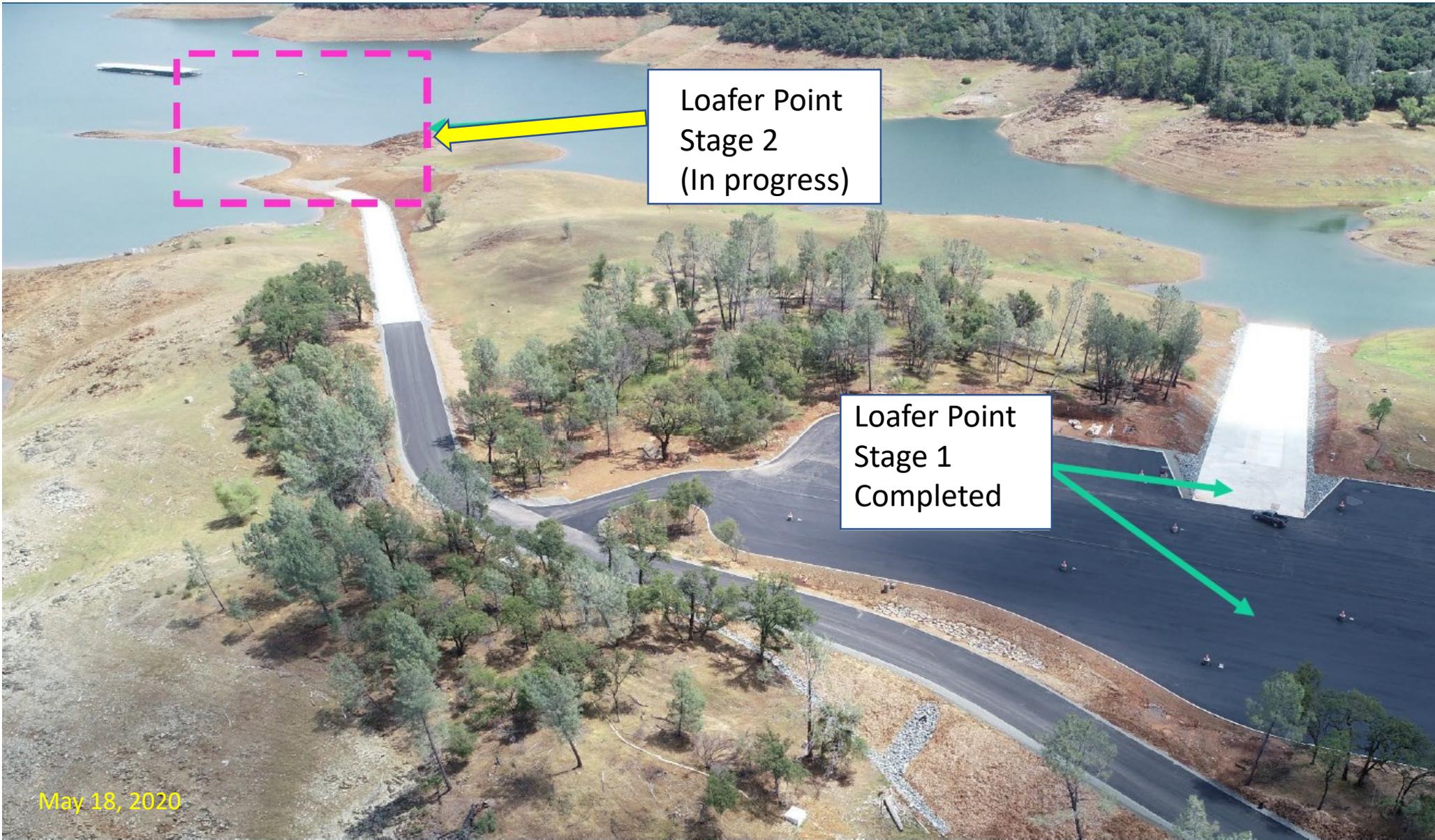
Upcoming Work (Fall 2020)

Bidwell Canyon Stage 2 Improvements



February 11, 2019

Upcoming Work (Fall 2020) - New Loafer Point Boat Ramp



May 18, 2020

Facilities:

- 2 Stage Boat Ramp (upper & lower)
- 2 Parking Lots
- Restrooms
- Stage 1 Completed
- Stage 2 (construction to begin fall 2020)

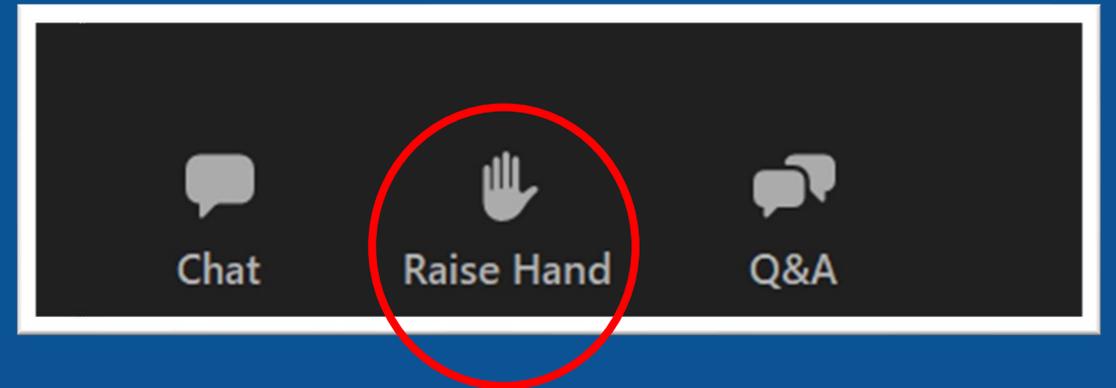


Questions?



ITEM 4: PUBLIC COMMENT

- **To comment, join queue by:**
 - Phone only: Dial “#2”
 - Browser or Desktop App: Click “raise hand” button within the Participants tab as shown



- **The operator will call on participants in the order that requests are received by announcing your name and unmuting you.**

ITEM 5: ADJOURN

Thank you all for joining us today, our next Oroville Dam Citizens Advisory Commission meeting will be in November 13, 2020.

An audio record and transcription of this meeting will be posted on the CAC webpage.

