



CENTRAL VALLEY FLOOD PROTECTION BOARD EXECUTIVE OFFICER'S REPORT

March 24, 2017

Board Administration

Ongoing Operations

- Five Delta Subvention Program Agreements have been signed by EO Gallagher, including work at Grand Island, Rough and Ready, Ryer Island, Stark Tract, and Mandeville Island.
- EO Gallagher signed an FSRP, agreement number: 2016-FSRP-RD2035-01 for the RD 2035 Levee Patrol Road Repair.
- March 2, 2017, EO Gallagher and Acting Chief Engineer Emami attended the monthly oversight management group at the USACE Sacramento District headquarters aligning USACE/DWR/CVFPB and local agencies SAFCA and WSAFCA on levee improvement projects authorized in recent Water Resources Development Acts.
- March 3, 2017, EO Gallagher attended the CVFPP Investment Strategy meeting with President Edgar and Board member Clyde MacDonald. DWR will present a more detailed look at the finance document at the Board's March 24 meeting.
- A revised Certification Package for Sac Bank Site 71.3 Right was signed by EO Gallagher on March 7, 2017.
- March 8, 2017 Geodetic Branch briefing from Dan Mardoch and Tom O'Neil– SSJDD Property Inventory is moving faster than projected, with 500 SSJDD properties already mapped and about 2,500 properties in process. Update to the Board will be provided in the near future.
- EO Gallagher, Counsel Dua and Acting Chief Engineer Emami continue to meet weekly with DFM Acting Division Chief Koch and the office chiefs. The goal is better communication and collaboration between the Division of Flood Management and the Board.
- EO Gallagher and Acting Chief Engineer Emami participated on Yuba-Feather LMA Conference Calls to discuss the Oroville Dam, and relevant information about reservoir operations to support flood preparedness. The calls also included any outcomes from the Yuba-Feather Forecast-Coordinated Operations (F-CO) conference call, including the Oroville Dam Spillway Updates.
- Participated in the San Joaquin Basin flood coordinating conference call; emergency issues and hydrology updates were discussed.
- March 13, 2017 – Board President Edgar and EO Gallagher attended by phone a pre-2017 DPIIC Meeting with Delta Stewardship Council Chair Fiorini and staff. Draft

agenda for the April 17 meeting includes 2017 Agency priorities, ecosystem restoration progress update, and update on collaborative science activities.

- EO Gallagher attended the California Valley Flood Control Association, 2017 Flood Forum was held on March 15, 2017 with President Edgar, Vice-President Suarez and Board Member Macdonald.
- The March 22 Coordinating Committee topics included a presentation on the draft CVFPP Investment Strategy, the Feather River HCP and a Flood System Status Report overview (attached).
- On March 23, the Executive Committee meeting was held. Topics included a download on the Plan public hearing process, a discussion on the proposed topics and process for the Plan Update workshops, a Title 23 update, inspection fee program presentation, a DLIS 3 x 2 update, and budget and staffing updates.

Recent Developments

- The Senate Budget and Fiscal Review Subcommittee #2 held a hearing on March 16, 2017 including the Board's Permitting and Enforcement Budget Change Proposal included in the Governor's 2017 budget. After presentation and discussion, the Subcommittee voted 4-0 to approve the Board's proposal.
- The Assembly Budget Committee #3 held a hearing on March 22, 2017 including the same proposal. After presentation by EO Gallagher, and a recommendation of approval by the Legislative Analyst's Office, the Committee held all DWR requests open, including the Board's BCP.
- On March 23, the Legislative Analyst published a report entitled Managing Floods In California. A link to the report can be found here:
<http://www.lao.ca.gov/notifications>.

Board News

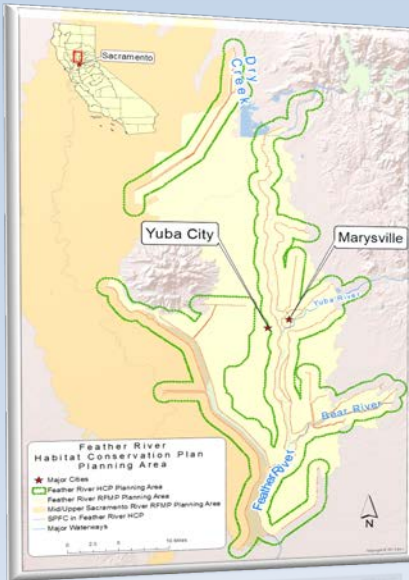
- The Senior Engineer position in the Plan Implementation branch has been filled. Greg Harvey, formerly from DWR's Division of Flood Management's Hydrology and Flood Operations Office, started work with the Board on March 20, 2017.
- The Board is currently recruiting for a senior engineer to backfill the Enforcement Section supervisor position recently vacated by Michael Wright's promotion to Supervising Engineer.
- Plan Update news and related content is currently up and active on the Board's website.

Feather River Regional Permitting Program & Pilot Habitat Conservation Plan

Ray McDowell

Department of Water Resources
Division of Flood Management
Floodway Ecosystem Sustainability
Office

Central Valley Flood Protection Board
Coordinating Committee
March 22, 2017



Overview

- Environmental Permitting for O&M (EPOM) and Feather River Regional Permitting Program (FRRPP)
 - Geographic Footprints
 - Partners
 - Permits
- FRRPP and Pilot Habitat Conservation Plan (HCP) Background and Status

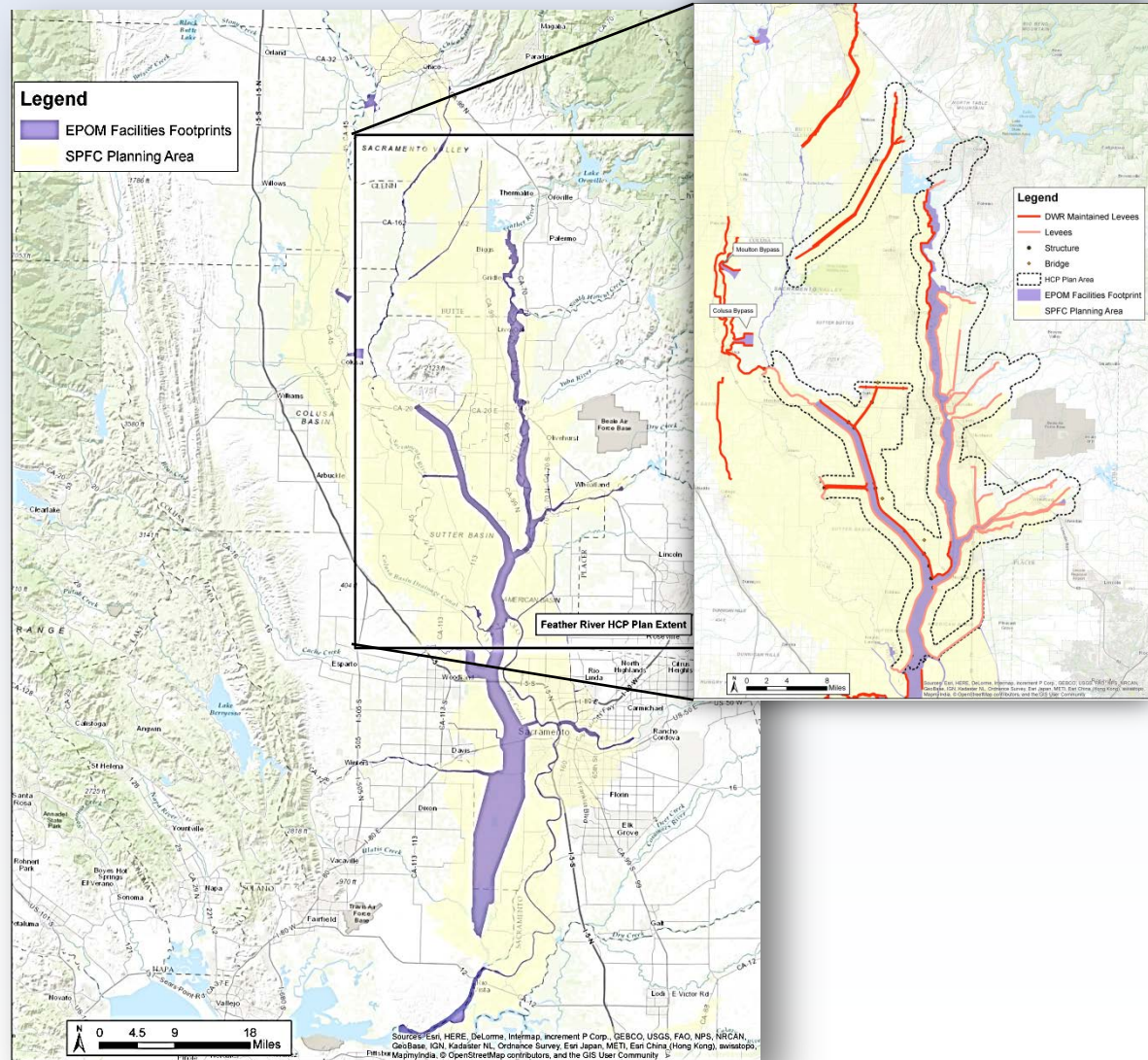


EPOM

- Footprint & Covered Activities:
 - Sacramento River Flood Control Project and Middle Creek Project (Lake County) areas
 - Covers DWR O&M activities (levees, structures and channels) in Sutter and Sacramento Maintenance Yards
- Permittee: DWR only
- Permits Being Pursued – *See Table (slide #5)*



EPOM Footprint and Feather River Pilot HCP Plan Area



Programmatic Permitting & Approval Efforts

Program or Activity	Permit Term	Species Covered (Federal/ State)	Environmental Regulations Compliance								Permit Holder	Covered Actions
			CEQA	NEPA	CESA (2081)	ESA	F&GC 1600	CWA	NHPA	RHA (408)		
System Wide Improvement Framework (SWIF) ¹	Short-Term	Total: 3 (3/0) ²		■		■		TBD	TBD	TBD	DWR or LMA	O&M
Environmental Permitting for O&M (EPOM)	TBD: Short- to Long-Term	Total: 20 (3/17) ²	■		■	TBD	■				DWR	O&M
Collecting Canals	Short-Term	TBD	■	■	■	■	■	■	■		DWR	O&M
Small Erosion Repair Program (SERP)	Short-Term	TBD	■	■	■	■	■	■	■		DWR	O&M
Feather River Regional Permitting Program	Long-Term	Total: 18 (10/14)	■	■	■	■	■	■	■	TBD	DWR or LMA	O&M, Improvements

¹Tied to EPOM, federal ESA coverage where CWA 404 doesn't cover; ²May cover additional species

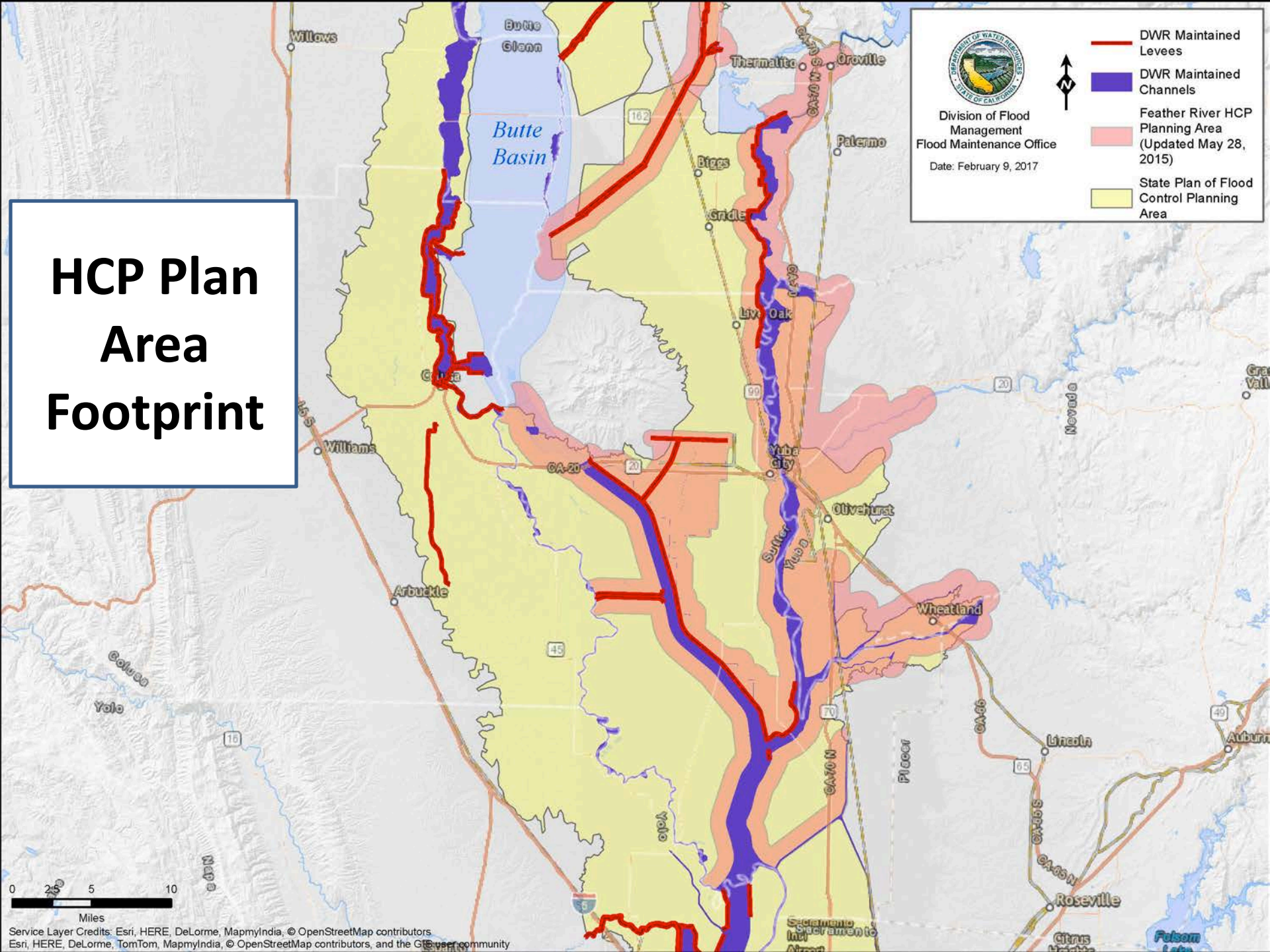


FRRPP

- Footprint & Covered Activities:
 - Covers the Feather River Region of SPFC
 - Includes O&M and CVFPP/RFMP Improvement Projects
- Permittees:
 - DWR
 - May include (Non-State) Local Maintaining Agencies
- Permits - *See Table (on slide #9)*



HCP Plan Area Footprint



Programmatic Permitting & Approval Efforts

Program or Activity	Permit Term	Species Covered (Federal/ State)	Environmental Regulations Compliance								Permit Holder	Covered Actions
			CEQA	NEPA	CESA (2081)	ESA	F&GC 1600	CWA	NHPA	RHA (408)		
System Wide Improvement Framework (SWIF) ¹	Short-Term	Total: 3 (3/0) ²		■		■		TBD	TBD	TBD	DWR or LMA	O&M
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Laws & Regulatory Approvals Sought by FRRPP

- **Endangered Species Act (ESA)**
- **California Endangered Species Act (CESA)**
- **Clean Water Act (Section 404) and Rivers and Harbors Act (Section 10)**
- **Clean Water Act Section 401**
- **California Fish and Game Code Section 1600**
- **National Historic Preservation Act Section 106**
- **California Environmental Quality Act and National Environmental Policy Act**



EPOM & FRRPP

In Overlapping Areas:

- EPOM **bridges the gap** between when DWR's current permits expire & when FRRPP permits are in place
- FRRPP will supersede EPOM permits
- FRRPP will provide more comprehensive coverage



FRRPP Background

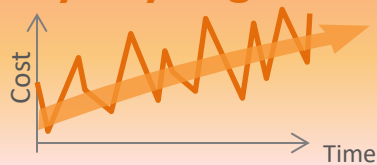
- Presented HCP concept to the CVFPB Coordinating Committee in July 2013
- Lower Feather River Corridor Management Plan recommended complying with ESA/CESA via HCP/2081 process ~ 2014
- HCP document development - includes key state and federal natural resource & regulatory agencies in cooperative/advisory capacity
- Section 6 grant (USFWS) to develop Feather River Pilot HCP



Why a Feather River HCP?

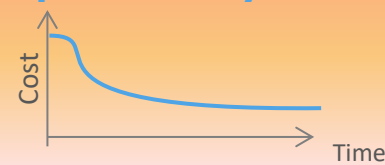
- Provides **longer permit terms** (30 years)
- **Consolidates** mitigation efforts
- **Reduces timelines** for project delivery
- **Improves overall efficiency** and should reduce long-term cost

Pay as you go...



PROJECT-BY-PROJECT PERMITTING costs vary from project to project, and have been steadily increasing

...or plan what you will pay.



REGIONAL HCPs have higher initial costs, but provide predictable outcomes and lower long-term cost.



Why a Feather River HCP? (2)

- Takes a **regional approach to conservation**; can contribute to listed species recovery
- Incorporates **multiple projects/activities** and O&M
- Incorporates **multiple partners** (DWR, Resources Agencies, LMA's)



Feather River HCP

Development Participants:

- Fish and wildlife agencies (NMFS, USFWS, and CDFW)
- DWR, CVFPB (LMA's are welcome; a couple have shown interest)
- Also includes USACE and Water Boards



HCP Project Area

Main Water Bodies :

- Feather River
- Bear River
- Yuba River
- Sutter Bypass
- Tisdale Bypass

Facilities:

- Channels
- Levees
- Structures



Production Date: October 2015

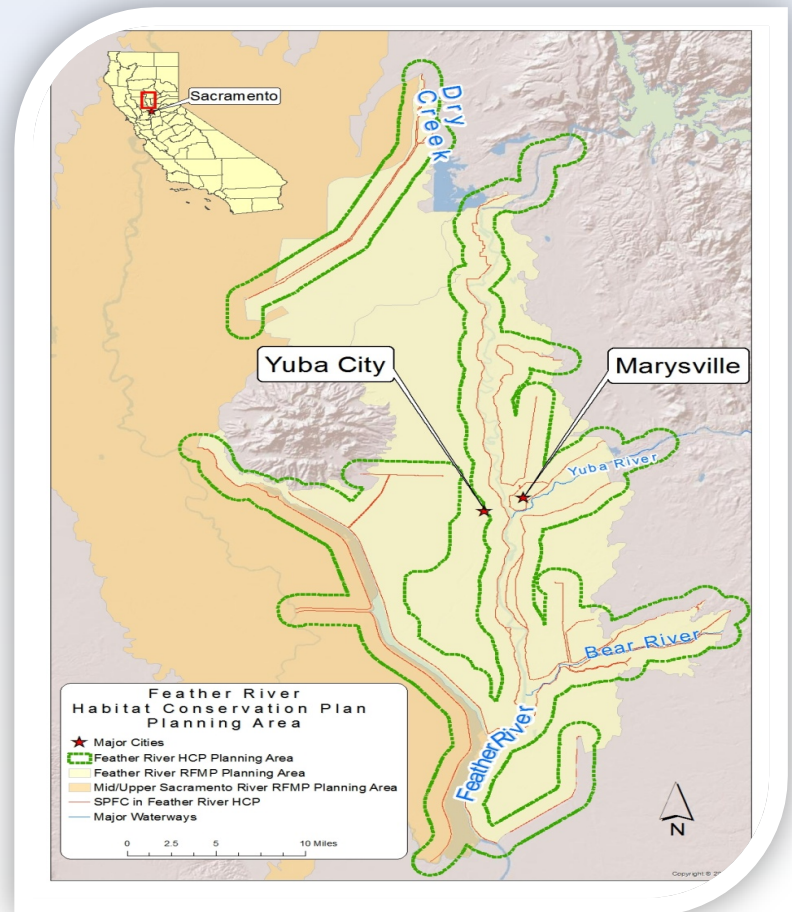


HCP Covered Activities

- CVFPP (and RFMP) Improvements
- O&M
- Data Collection

For . . .

- Levees
- Channels
- Structures



18 Sensitive Species Proposed for Coverage

- Vernal pool fairy shrimp
- Vernal pool tadpole shrimp
- Chinook salmon—Central Valley fall/late fall–run ESU
- Chinook salmon—Central Valley spring-run ESU
- Chinook salmon—Sacramento River winter-run ESU
- North American green sturgeon— southern DPS
- Steelhead—California Central Valley DPS
- Valley elderberry long-horn beetle
- Giant garter snake
- Western spadefoot
- Western pond turtle
- Bank swallow
- Least Bell's vireo
- Swainson's hawk
- Tricolored blackbird
- Western yellow-billed cuckoo
- Western burrowing owl
- Western red bat



HCP Conservation Program

Overall Approach

- Comprehensive effort to cover a broad suite of activities and species
- Improve resources over baseline
- Working landscape
- Mechanism to facilitate outcome-based planning
- Model for compliance for other DWR regions and LMAs



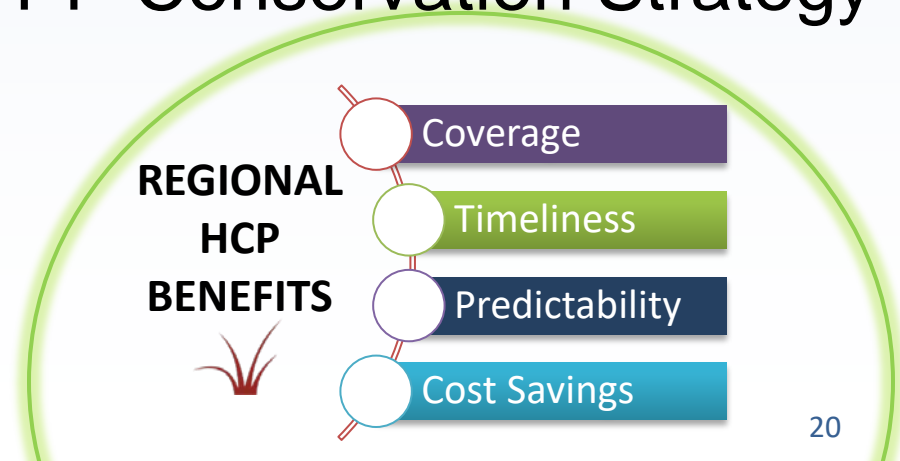
Feather River HCP Current Status and Next Steps

- Working Draft Document released to resources agencies in early March
- Continuing communication & engagement to encourage LMAs to participate
- Starting work soon on scoping and Draft EIS/EIR
- Goal: Permits in Spring/Summer 2019



Summary – FRRPP and HCP

- Provide DWR (and participating LMAs) an **efficient permitting process** for flood management activities
- Contribute to **implementation of CVFPP**
- Contribute to sustaining and **improving conditions for species and habitats** in accordance with CVFPP Conservation Strategy guidance



Thank You!

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Photo: Brian Hansen, USFWS



Photo: Feather River Program, DWR



Photo: Dave Boegner, DWR

