CHECKLIST FOR VIRTUAL PARTICIPATION

✓ If you know you have less than optimal internet connection, we urge you to join through both a phone (for audio) and your computer (for video). You may do so by joining the online meeting via the Zoom link and opting to join via phone audio. When you are dialing in, please be sure to enter your participant ID.

✓ Please mute yourself when you are not speaking. This helps cut down on background noise.

✓ Please check that your video camera is on. We encourage that you also join via video. Seeing each other’s faces makes for a more engaging experience.

✓ Rename yourself after logging into Zoom. We ask that you rename yourself by hovering over your name in the “Participants” tab. Please change your name to be First name Last Name so we can identify and engage each other better.

✓ Bring a learning mindset as we try out new technology to maximize engagement in this online setting!
INTRODUCTION TO ZOOM CONTROLS
AGENDA

1:00 PM  WELCOME AND INTRODUCTIONS
1:10 PM  LOWER AMERICAN RIVER RELATED UPDATES
2:00 PM  BANK PROTECTION RELATED EFFORTS
2:20 PM  MEETING WRAP-UP AND NEXT STEPS
2:30 PM  ADJOURN
MEETING GROUND RULES

GROUND RULES

- Contribute – Share Time – Be Inquisitive – Active Listening
- Invite participants to keep cameras on (it makes virtual life more humane!!!) and please stay on mute when not speaking
Drought, again ...

- Storage levels are lower than 2014-2015
- It’s hot, hot, hot ... good for swimming, not for fish
- We’ll be able to get through this year ...

Some Good News: We’ve learned a lot since the last drought and are better prepared. We are taking action now, but more will be needed.
Drought, again …

- Water Forum works with Reclamation, NMFS, CDFW and others to identify critical issues and model possible solutions (Feb – current)
- Governor Newsom declares drought in 41 counties (5/10)
- Regional Water Authority Board passes resolution for voluntary 10% reduction in use (5/13)
- Reclamation/DWR joint Drought Contingency Plan released (5/28)
- SWRCB issued TUCP (6/1)
- Folsom is projected to maintain minimum storage levels and tolerable temperatures for fish
American River Parkway

Natural Resource Management Plan Update

June 2021
The County, WCB and SAFCA Join Forces . . . The NRMP Task Force Begins!

We are at a unique time where several efforts are coming together, and it makes sense to formalize the necessary collaboration.

This collaboration will be carried out through the Natural Resources Management Plan Task Force.

Regional Parks and the Wildlife Conservation Board are funding preparation of the Natural Resources Management Plan.

SAFCA is funding the Natural Resources Management Plan Task Force in Cooperation with Regional Parks.
NRMP Task Force Member Organizations

Sacramento County Regional Parks
Sacramento Area Flood Control Agency
The Water Forum
U.S. Army Corp of Engineers
Wildlife Conservation Board
Central Valley Flood Protection Board
American River Parkway Stakeholders
Sacramento County Department of Environmental Review
DWR
USFWS
ICF
MIG
Multi Benefit Strategy
NRMP Process

- Data Collection 2018-2019
- Mapping of Resources 2019-2020
- Identification of Potential Management Actions 2018-2020
- Public Outreach 2020-2021
- Task Force Input 2020-2021
- Public Draft NRMP March 2021
- 60-Day Public Review through May 15
- Supplemental EIR Fall 2021
- Incorporate Comments and Finalize NRMP Fall 2021
- Board of Supervisors Approval
NRMP Document Outline

1.0 INTRODUCTION
2.0 NATURAL RESOURCE MANAGEMENT GOALS AND OBJECTIVES
3.0 PARKWAY SETTING
4.0 BIOLOGICAL RESOURCES
5.0 PHYSICAL RESOURCES
6.0 CULTURAL RESOURCES
7.0 HUMAN USE IMPACT REDUCTION
8.0 MANAGEMENT, IMPLEMENTATION AND MONITORING
NRMP GOALS AND OBJECTIVES FRAMEWORK

GOAL AREA 1
Biological Resources

GOAL AREA 2
Physical Resources

GOAL AREA 3
Cultural Resources

GOAL AREA 4
Human Use Impact Reduction

GOAL AREA 5
Agency and Community Coordination

Goal
Objectives
Performance Measures
Lead/Support Roles
Funding
Timeframe
Monitoring Plan

- Will be an appendix to the Final NRMP
- Based on Goals and Objectives
- Produced in conjunction with the data management system*

* A data management system is being developed in concert with the project GIS files
Monitoring Plan Components

- Adaptive Management
- Target species for observation
- Monitoring interval and process
- Data collection protocol, storage, and access
- Accommodation for citizen science
- Responsible parties and partners
- Funding Sources
- Success criteria
- Reporting requirements
Questions and Comments
Habitat Restoration Program Update
Ancil Hoffman Fall 2021 – Next Steps

- Reviewing possible design refinements based on stakeholder feedback
- Onsite work needed to verify soil composition
- Options available for discussion in late June/early July
- Presentations at public meetings and open houses in July
Lower Cordova Creek Planning Project
Project Goals

1. Evaluate Baseline Conditions
2. Engage Stakeholders
3. Plan for Naturalization
4. Plan for Access Improvements
Project Milestones

Stakeholder Design Formulation Meeting
March 2021

Preferred Alternatives Design Workshop
June 2021

30% Design Level Review Meeting*
August 2021

Finish 65% Design
February 2022

Submit data to CEDEN
May 2022

* Include in ARPAC or Commission meeting
Projected Milestones

**May 2022**
- Develop Draft Signage

**June 2022**
- Submit Deliverables

**What’s Next?**
- Funding
- Additional monitoring
- Permitting
- 100% Design
- Implementation
- Adaptive Management (dam levelers, invasive plant and animal management, volunteer base)
Stakeholder Engagement

- Water Forum members
- Sacramento County Regional Parks
- City of Rancho Cordova
- Soil Born Farms
- California Native Plant Society
- California Department of Fish and Wildlife
- US Bureau of Reclamation
- National Marine Fisheries Service
- US Fish and Wildlife Service
- United Auburn Indian Community
- Save the American River Association
- California State University Sacramento
- Sacramento Splash
- Sacramento Area Creeks Council
- American River Parkway Foundation
- Occidental Arts and Ecology Center
- Homeowners’ Associations
How has the project evolved as a result of stakeholder engagement?

• Importance of access and interpretation
• Expanded to include other riparian species
• Vegetation survey
• Aerojet operations
• Exploring other creeks
Stakeholder Design Meeting: Alternative 1

- Enhance and stabilize existing path and add stone steps down bank to provide access to the confluence.
- Grade control/boulder step pool cascade structures downstream of bridge. Twelve 1’ steps, each 16.5’ long.
- New bridge, 80’ long, 20’ wide. Maintain the 12’ bike path width and add a separated pedestrian lane on the north side.
- Include a small pavilion on the bridge, or widen the bridge for creek observation.
- New narrow DG path along creek. Use flagstones at bridge to reduce visibility.
- Lay back west bank to 4:1 max slope. Stabilize bank with vegetated rip rap.
- Slight realignment of bike path and trail may be needed to accommodate longer bridge.
- Tie in to existing alignment upstream of bridge.
- Lay back west bank to 80’ max top width at the bridge. Stabilize the bank with vegetated rip rap.
- Retain existing top of bank alignment upstream and downstream of bridge.
Preferred Alternative – Alternative 2

- Greater opportunity for meaningful habitat enhancement
- Fish Passage: Longer channel = flatter slope
  - Appropriate step size (jumps)
  - Outlet in an eddy—better access for juveniles
  - Discharge location adjacent to a future habitat development project
- Preferred discharge location
  - More accessible at low flows
  - More sustainable
  - Constructable route
- Better opportunity for public access
Lower American River Task Force

June 8, 2021

American River Common Features
Water Resources Development Act of 2016

American River Bank Protection

Contract 1 (Site 2-1)
Contract 2 (Sites 2-2 & 2-3)
Subreach 2 Background

Subreach Description:

- Extends between Paradise Bend and Howe Ave Bridge.
- Contains three bank protection sites (2-1, 2-2, and 2-3).
- Banks generally consist of unconsolidated sandy mining deposits.
Project Background

• Three sites in Subreach 2 (Site 2-1, 2-2, and 2-3) for bank protection.

• Contract 1 (Site 2-1)
  • 100% design anticipated in July 2021,
  • Construction anticipated in 2022.

• Contract 2 (Sites 2-2 and 2-3)
  • 90% design completed in May 2021
  • 100% design anticipated in August 2021,
  • Construction anticipated in 2022.
Contract 1 (Site 2-1) Plan View

- Design generally unchanged: Rock bank protection with planting bench at summer water level.
Contract 1 (Site 2-1) Section Views
Contract 2 (Site 2-2) Plan View

- Still consists of a transverse planting bench similar to Site 5 upstream with end transitions and rock toe.

- Height of protection and bench has been increased to limit potential future O&M and address project risk objectives.

- Added additional rock placed on levee face under Howe Avenue bridge for local scour protection.

- Protecting existing trees.
Contract 2 (Site 2-2) Section Views
Contract 2 (Site 2-3) Plan View

- Still based on graded banks with toe spurs and to rock tie-backs.
- Bank cut now continuous under H Street Bridge.
- Rock revetment added to levee face upstream and downstream of H Street Bridge.
- Parkway bike path realigned at 2 locations.
Contract 2 (Site 2-3) Section Views
### Contracts 1 and 2
#### Construction Phasing and Implementation

<table>
<thead>
<tr>
<th>Date</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 2021-February 2022</td>
<td>Tree Clearing and Elderberry Transplant</td>
</tr>
<tr>
<td>May 2022</td>
<td>Access Roads, Staging Areas, Pedestrian Trail Re-Routes</td>
</tr>
<tr>
<td>June 2022</td>
<td>Levee Rock (Under Bridges), Sites 2-1 and 2-3 Clearing and Grubbing, Site 2-3 Grading</td>
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<tr>
<td>July-October 2022</td>
<td>Bank Protection Construction</td>
</tr>
<tr>
<td>November 2022</td>
<td>Seeding and Erosion Control</td>
</tr>
<tr>
<td>Spring/Summer 2023</td>
<td>Planting</td>
</tr>
<tr>
<td>Spring/Summer 2023</td>
<td>Golf Course Reconstruction</td>
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</tbody>
</table>
Environmental Timeline and Schedule for 2022 Construction

Contract 1 - NEPA/CEQA Document
• CEQA document certified May 2021;
• NEPA FONSI expected early August 2021.

Contract 2 - NEPA/CEQA Document
• Public draft released on June 4, 2021;
• Public Review Period: June 4 – July 19;
• Public Meeting: June 29 (WebEx);
• CEQA document certified expected August 2021;
• NEPA ROD expected October 2021.
  • Supplements - ARCF GRR Final EIS/EIR (2016).
  • Proposed Action - Specific project design details: staging areas, haul routes, project footprint (areas of disturbance, volume of materials), construction methods, vegetation removal, reconstruction of the golf course, and habitat mitigation sites.
Bank Protection: Sites 2-2 and 2-3
Habitat Mitigation: Arden Pond and Rossmoor
Sites 2-2, 2-3, and Arden Pond
Rossmoor Mitigation Sites (RM 15 and RM 16)
Questions?
American River Common Features
Water Resources Development Act of 2016

American River Erosion Protection

Contract 3 Update
June 8, 2021
Lower American River Contract 3

• Contract 3
  • Site 1-1 (left bank at Business 80)
  • Site 3-1 (right bank between Watt Ave & Howe Ave)
  • Site 4-1 (left bank upstream and downstream of Watt Ave)

• Environmental Compliance Documentation will be prepared for public release - 2022

• Mitigation sites will be identified once impacts are better defined
Lower American River
Contract 3 – Sites 1-1, 3-1, 4-1

- 2.8 mi Protection
Contract 3 Design Process

• TRAC developed 10% conceptual designs and delivered to USACE March 2020.
• 10% Conceptual Designs presented to LAR Task Force March 6, 2020
• USACE building on TRAC conceptual designs and will carry them into construction:
  • 35% - We Are Here: Presented to TRAC April 2021
  • 65%
  • 90%
  • 100%/Final
  • Construction
Design Process Current Status

- USACE has transitioned the TRAC 10% Designs into 35% Designs
- Basic concepts remain the same, but some substantive changes in the details.
- TRAC has provided feedback and USACE is considering those comments, with substantial meetings between USACE, CVFPB, and SAFCA. Resource Agencies are also involved in the process.
- The process of engagement and resolution of issues among technical experts is in full swing, and there is still progress to be made.
Lower American River
Contract 3 – Sites 1-1, 3-1, 4-1

- 2.8 mi Protection
- May 2021: 35% Designs
- Jan 2022: 65% Designs
- 2023: Primary Construction Season
Example Issues – Site 1-1

• TRAC Concept: rock/planting bench, upper bank cut and bench (downstream segment)
• Includes Bus 80 bridge with CalTrans project to widen the bridge, requires coordination
• Examples of Issues Identified and Changes Made
  • Additional rock/soil mix added to upper bank behind planting bench
  • Increased complexity of planting bench, including modified elevations
Example Issues – Site 3-1

- TRAC Concept: Island Cut and Bank Fill in downstream segment; existing Site 5 in middle segment – no changes; rock/planting bench in upstream segment; SRA Bench Cut on left bank

- Examples of Issues Identified and Changes Made
  - Geotechnical quality of island material, addition of rock tie-backs to help stabilize
  - Additional rock along levee face at downstream end
  - Considering treatment of upper bank at “Site 5”
  - Increased complexity of planting bench, reduced width in upstream portion
Example Issues – Site 4-1

• TRAC Concept: long site; some portions treated with buried rock on berm; some treated with rock toe/planting bench and levee armoring; some areas treated with both buried rock on berm and rock toe/planting bench. Essentially varying the treatments based on site-specific conditions, trying to balance flood risk reduction with resource protection.

• Examples of Issues Identified and Changes Made
  • Hydraulic stage effects within the reach
  • Reliability of existing “Erosion Resistant Material” (Fair Oaks Formation)
  • Constructability, fit, and performance of buried rock trench
  • Modified buried rock trench to be continuous rather than intermittent
  • Impacts to Parkway resources (habitat, recreation)
Design Process and Technical Deliberations are underway and a more technical update, reporting on the details of current deliberations and progress made will be provided at an upcoming Task Force meeting.
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