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Call to Order

Board of Directors Workshop - Engineering
Thursday, June 16, 2022

Chairperson – Director Harrison
Vice-Chair – Director Hayes

Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.

Public Comment

Any person may address the Board on matters within its jurisdiction.

- *Please use the chat feature on the Zoom toolbar or digitally raise your hand to let the moderator know you would like to make a comment.*



Summary of Previous Meeting (Pg. 3)

Board of Directors' Workshop - Engineering – May 10, 2022

Discussion Item 4.1 (Pg. 11)

Joanna Gibson, MS – Executive Director Upper SAR Habitat Conservation Program

HCP and Tributaries Update

Staff Recommendation

Receive and file.

HCP Document

- Revisions to species models
- Revisions to Covered Activities
 - Several large-impact projects removed/footprints revised
- Impact clarifications
 - Ongoing Maintenance v Impacts within Existing Facilities v New Impacts**
- Added new mitigation areas acquired late 2021/early 2022:
 - Lytle Creek (RHWC)
 - Tres Lagos
- Revisions to mitigation acreages

NEPA & CEQA

- Historically joint documents
- Rule change mid-2020:
 - Time and page limits (1 year, 75 pages)
 - Documents separated
- Being Prepared for HCP (a federal document)

➤ CEQA

- EIR Comments - HCP edits
- HCP Comments – EIR edits

➤ NEPA

- USFWS document
- Regular meetings (bi-monthly) + USACE
- Impact and mitigation acreage clarifications – important for NEPA

NEPA – CEQA – HCP Consistency

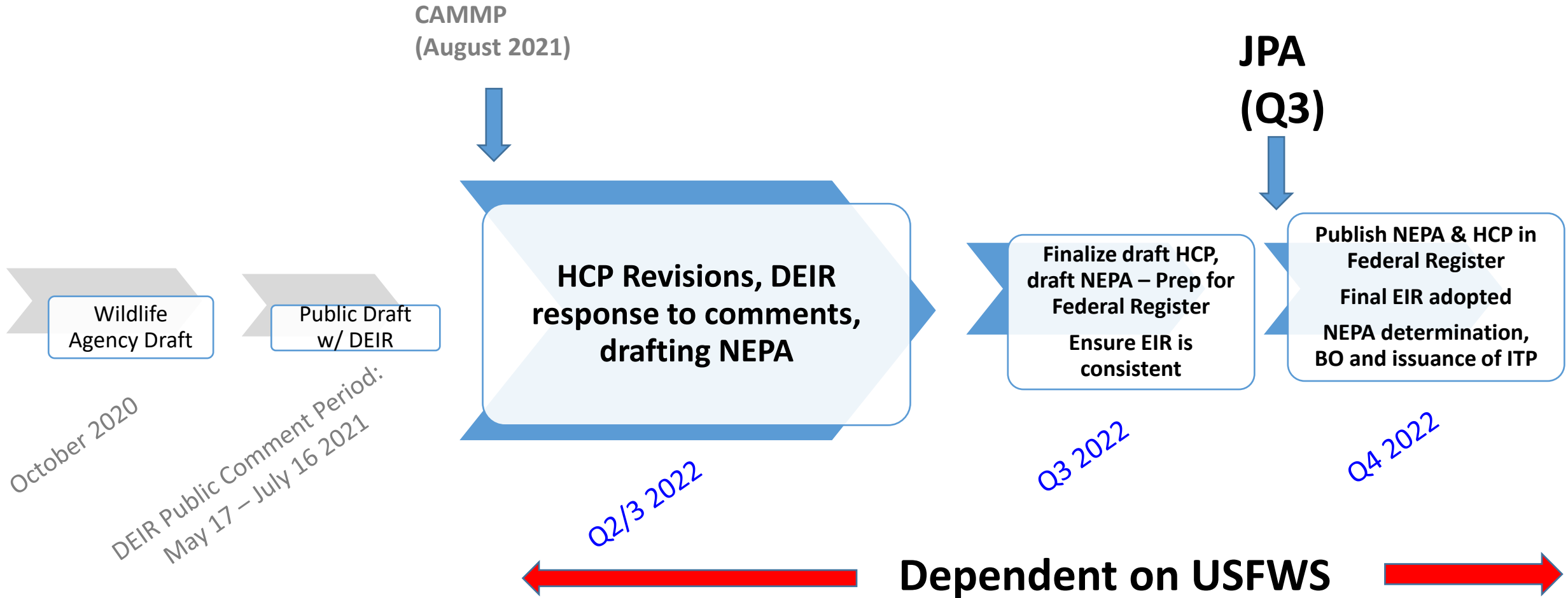
HCP

- Financial calculations for mitigation strategy
[USFWS concurrence]

JPA

- In progress through 2021
- Participation and financing agreement

HCP UPDATE





UPPER SAR HCP MITIGATION

CREATE MORE
HABITAT

PROTECT &
ENHANCE
EXISTING
HABITAT

REDUCE
THREATS

Tributary Restoration Sites

- USACE-related permitting delays
- Significant cost increases (200% +)
- Hidden Valley & Anza – 100% design
- Lower Hole & Old Ranch – close to 60% design



Tributary Restoration Sites

ANZA

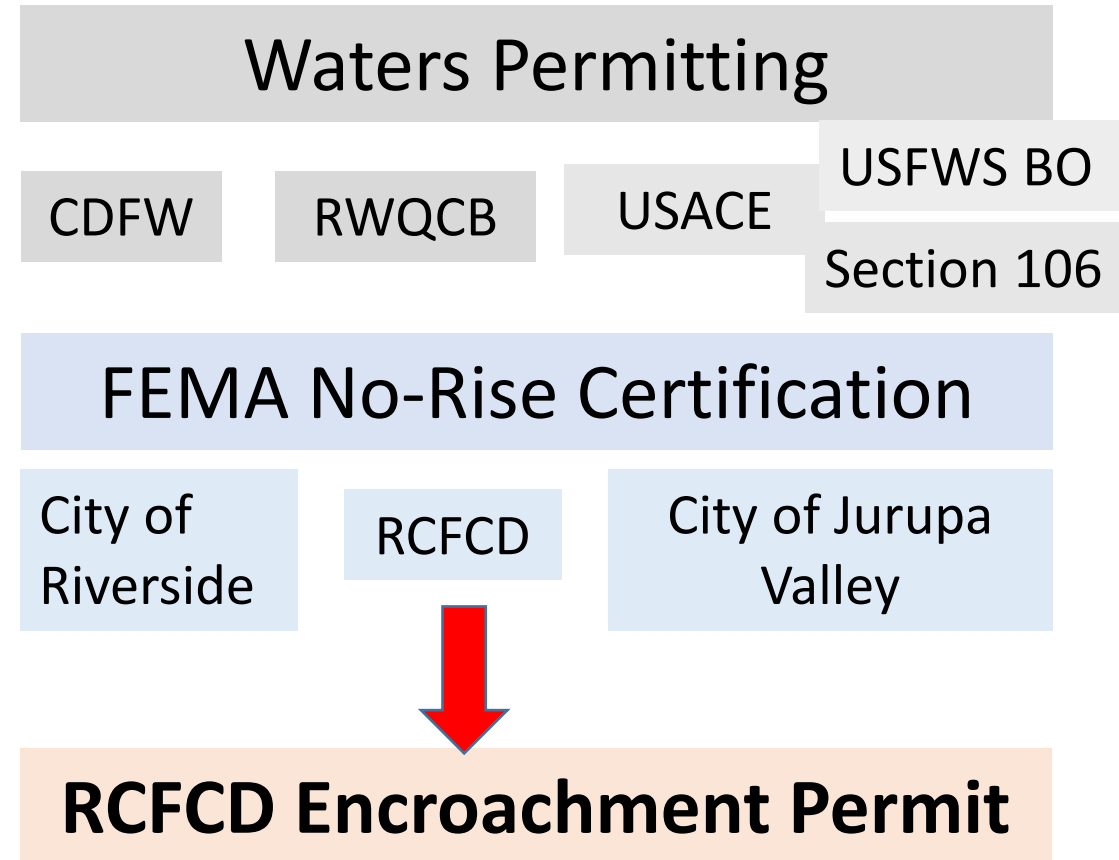
- Work projected to commence late 2022
 - Final stages of securing permits/permissions

HIDDEN VALLEY

- Work projected to commence late 2022
 - Secured final permits May 19, 2022

OLD RANCH, LOWER HOLE

- Plans near 60%
- Lower Hole – landfill
- Permitting will start shortly
- Work projected to commence late 2022



STRATEGY

- Start nonnative management ASAP (no USACE permit needed)
 - Benefits:
 - Cost - County Parks Contract, reduced contracting fees, encampments
 - Safety – Encampments
- Finalize USACE permitting in parallel

SARCCUP Grant

- Pursuing amendment (+ OCWD, WMWD)
 - Time extension (construction): September 2023 to March 2025
 - Benefit Adjustment
 - 3.5 stream miles reduced to 2.8 stream miles
 - 40 acres riparian habitat increased to 60 acres riparian habitat



Evans Lake Tributary Restoration and Camp Evans Wilderness Park

- Prop 1 grant: \$6 million (\$2 million in grant funds, \$4 million in cost share)
- Partner: City of Riverside Parks and Recreation
- Grant requirements:
 - 1.4 miles of stream
 - 100 acres of aquatic, riparian, upland habitat
 - 65 acres – high-quality riparian habitat
 - Conservation easement
- CEQA & Permitting to be completed by October 2022
 - Not yet added to the Agreement with DWR



-  HABITAT RESTORATION AREA
-  LEAST BELL'S VIREO OCCUPIED TERRITORY
-  EXISTING EPHEMERAL STREAM
-  PERENNIAL HABITAT CHANNEL
-  STORMWATER TREATMENT WETLAND
-  GROUNDWATER DEPENDENT WETLAND

Mission Inn Avenue
Carlson Park

Loring Park

Lake Evans



400 FT



City-owned land

BUT

- Flood Control Easement
- USACE levee
- Recreation components, fire requirements
- Habitat enhancement, stream habitat - increase in T&E species
- Conservation easement language strict, cannot accommodate incompatible activities

Evans Lake Tributary Restoration and Camp Evans Wilderness Park

- Without mitigation credit from Wildlife Agencies, cannot justify \$4 million in cost share
- Unable to meet the grant objectives
- Proposing to withdraw project from Prop 1
 - Accomplished via a letter (no agreement in place)

Continued Collaboration / Opportunities with City

- Finish CEQA
- Additional funding sources



SNRC Conservation Actions

- Nonnative aquatic species control plan
- Cooling water - Rialto Channel
- Translocation of Santa Ana sucker
- Mainstem microhabitat:
 - Less intensive (HREA program)
 - Intensive – 3 locations selected, designs in preparation.
 - ❖ Potential partnership with USACE on largest project



SANTA ANA SUCKER

- Larval surveys in progress
- Section 6 Grant application: Development of alternative sampling methodologies for year-round Santa Ana sucker monitoring. ~\$118,000

PURPLE PIPE PROJECT

- Water supply to tributaries
- RFP released
- WIFIA
- Grants: Prop 1, Round 2
Wildlife Conservation Board

ALLUVIAL SCRUB AREAS

- Started habitat management at three sites
- Section 6 funding for land acquisition
- Acquisition of two parcels in Lytle Creek
- Received willing seller letters
- \$3 M from USFWS
- \$1 M from WCB



SUNNYSLOPE

- Riparian Habitat Conservation Program: \$392,500
- Awarded May 26, 2022
- RFP released

Hidden Valley Wetlands or Ponds





Evans Lake Tributary Restoration and Camp Evans Wilderness Park

- Unable to meet the grant objectives
- Proposing to withdraw project
 - Requesting direction

Director Comments and Discussion



Paul Kielhold
President



June Hayes
Vice President



**T. Milford
Harrison**
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

Receive and file.

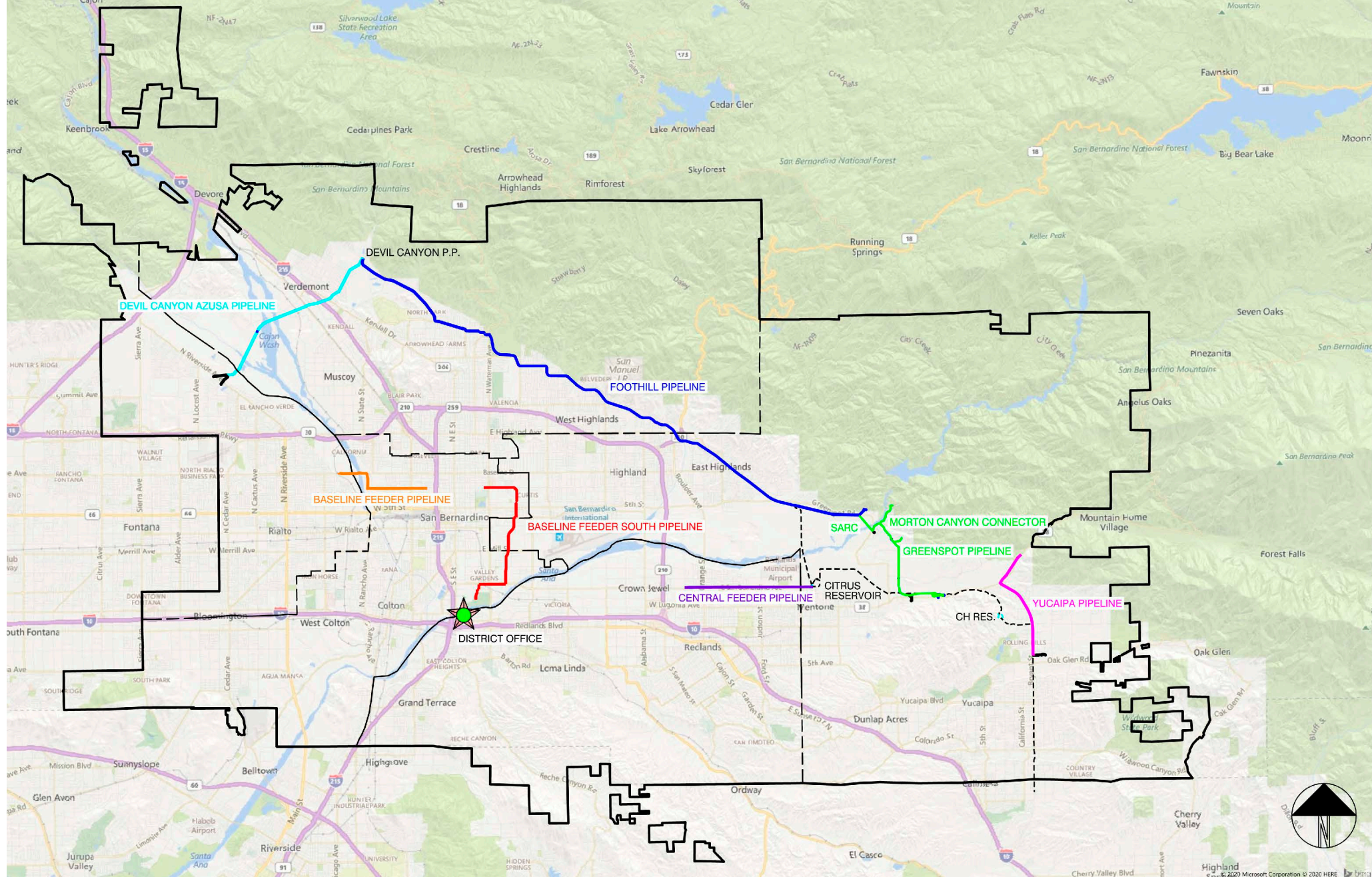
Discussion Item 4.2 (Pg. 15)

Wen B. Huang, PE, MS – Deputy General Manager/Chief Engineer
Brent Adair – Project Manager II

Consider the 2022 Cathodic Testing Survey Program of District Pipelines

Staff Recommendation

Staff recommends that the 2022 Cathodic Testing Survey Program (CTSP) of the District Pipelines with an estimated cost of \$63,272 be forwarded to the next Board of Directors' Meeting for consideration.



Director Comments and Discussion



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President



June Hayes
Vice President



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Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

Staff recommends that the 2022 Cathodic Testing Survey Program (CTSP) of the District Pipelines with an estimated cost of \$63,272 be forwarded to the next Board of Directors' Meeting for consideration.

Discussion Item 4.3 (Pg. 17)

Wen B. Huang, PE, MS – Deputy General Manager/Chief Engineer
Joanna Gibson, MS – Executive Director Upper SAR HCP Program

Consider Scope of Services with Scheevel Engineering for
Professional Engineering Services and Engineering Staff
Augmentation

Staff Recommendation

Consider forwarding a Professional Services Agreement with Scheevel Engineering for Engineering Consulting and Project Management Services up to an estimated fee of \$250,000 to the next Board of Directors' meeting for consideration.

Background and Scope

Background:

- District: small staff
- Rely on consultants to supplement staffing needs
- Multiple construction projects planned in near future
- Need to supplement Engineering staff

Upcoming Projects:

- Engineering/Design services: Cactus Basin Connector Pipeline, Central Feeder-EBX Intertie, Enhanced Recharge Phase I-a, Active Recharge Projects, other support
- Support SAR HCP: Planning & review - SAR Tributary Restoration Projects

Background and Scope

Scheevel Engineering

- Unique expertise and qualifications
- Known and proven experience:
 - General design/engineering/operations on recharge basins
 - Feasibility/planning for facilities for habitat development

FY21-22 work performed by Scheevel

Design and Engineering:

- Waterman Basin Cleanup - completed engineering design plans
- Active Recharge Transfer Projects - collaborated with SBVWCD on design concepts
- Weaver Basins - collaborated with EVWD Design-Build Team on design
- Redlands Pump Station - assisted in pumping tests with MWDSC
- Devil Basins - completed conceptual design for stormwater capture

Habitat Restoration:

- SAR Tributary Restoration Project - evaluation of chlorine removal, review of design plans
- Hidden Valley Ponds Habitat Restoration Project - preliminary evaluations
- SAS Microhabitat Enhancement - completed Pilot Project, performed preliminary evaluation and development of enhancement locations

Director Comments and Discussion



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Harrison**
Treasurer



Gil J. Botello
Director



Susan Longville
Director

Staff Recommendation

Consider forwarding a Professional Services Agreement with Scheevel Engineering for Engineering Consulting and Project Management Services up to an estimated fee of \$250,000 to the next Board of Directors' meeting for consideration.

Discussion Item 4.4 (Pg. 33)

Heather Dyer, MS, MBA – Chief Executive Officer/General Manager

Discuss Tres Lagos Property Master Plan and Real Property Objectives

Staff Recommendation

Staff recommends the Board of Directors provide feedback regarding the goals and objectives of the real property ownership related to the Tres Lagos Property parcels.

Tres Lagos Property





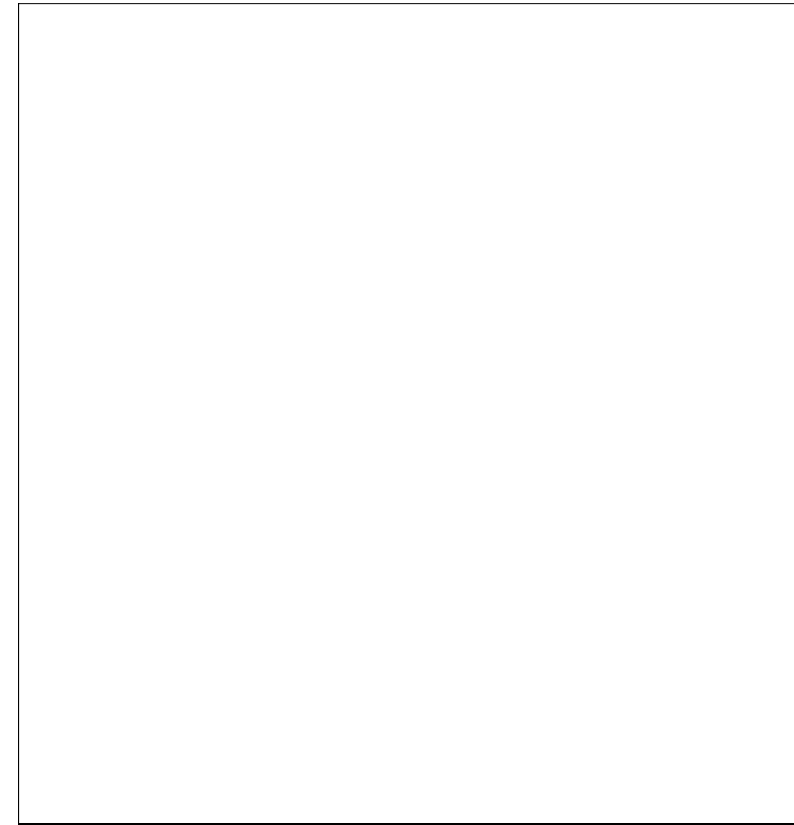
Location

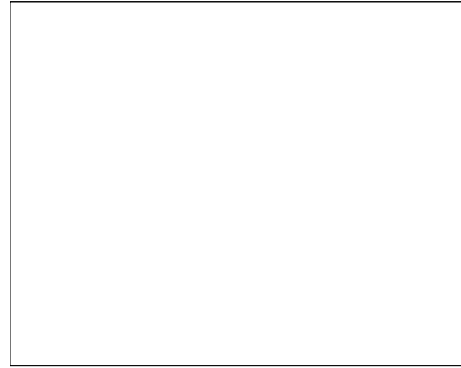
- City of Highland, northeast of Redlands and Mentone
- Adjacent to the confluence of Mill Creek and the Santa Ana River (Seven Oaks Dam is to the north)
- Adjacent to San Bernardino National Forest
- Approximately 1,650 acres
- Purchased via Auction from OC Flood



Adjacent Open Space

- Contiguous with large blocks open space
- Corridor between SBNF and Crafton Hills





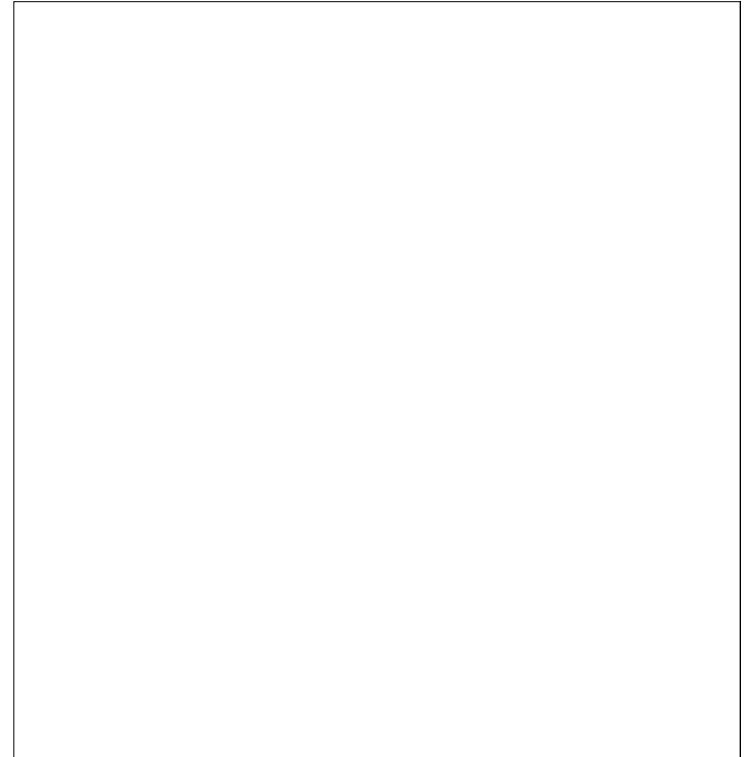
Existing Water Infrastructure

- Pipelines owned and operated by SBVMWD
- Tres Lagos Mutual Water Company pipelines and appurtenances (tank, wells)
- Bear Valley Mutual Water Company pipeline (a.k.a. Bear Valley Highline)



Habitat

- Multiple habitat types
- Currently in degraded condition
- U.S. Fish and Wildlife Service designated critical habitat for San Bernardino kangaroo rat



Next Steps

- ❑ Perimeter Controls
 - ❑ Illegal Trespassing
 - ❑ State of Utilities and Easements
- ❑ Develop Master Plan for the Site
 - ❑ Infrastructure and Uses
 - ❑ Valley District Water System Master Plan
 - ❑ Biological Resources Opportunity & Constraint Analysis
- ❑ Potential Partnering Opportunities
 - ❑ Other Public Agencies
 - ❑ Conservation Organizations
 - ❑ Community Groups
 - ❑ Non-profit organizations
- ❑ Tres Lagos Mutual Water Company

Board Input Requested:

- 1) Goals and Objectives for ownership of the property
- 2) Specific components to include in Master Plan RFP
- 3) Other suggestions



Director Comments and Discussion



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President



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Staff Recommendation

Staff recommends the Board of Directors provide feedback regarding the goals and objectives of the real property ownership related to the Tres Lagos Property parcels.

Future Business

Adjournment
