



San Bernardino Valley Water Conservation District

Helping Nature Store Our Water

BOARD OF DIRECTORS MEETING AGENDA

Wednesday, March 9, 2022 – 1:30 p.m.

In accordance with Government Code 54953 (as amended by A.B. 361 signed September 16, 2021 and effective February 9, 2022 via Governor Newsome’s Executive Order N-15-21), and Resolution No. 596 adopted by the Board on February 9, 2022, this meeting is being conducted in a hybrid fashion, via Zoom, or with an option to attend in person, subject to heightened COVID-19 safety protocols.

Anyone wishing to listen to or participate in the meeting can join via Zoom:

Call in (669) 900-6833, Meeting ID: 828 2351 1711

To join the Zoom Meeting on <https://us02web.zoom.us/j/82823511711>

Members of the public participating via remote teleconferencing will have the opportunity to comment on any item within the jurisdiction of the District during the public comment period on the agenda, and to address the Board on individual agenda items as they are called and considered. Public comments submitted in advance are encouraged, but not required. Remote participants will be asked to identify themselves and on which item they wish to address the Board, and will be instructed at the outset of the meeting how to make their wish to address the Board known during the meeting.

Members of the Board, staff, or members of the public who may wish to attend in person will be required to self-certify their vaccinated status, or that they have received a COVID-19 negative test which remains valid as of the meeting date. All in-person attendees shall be required to wear masks covering both their nose and mouths at all times within the meeting room, at all times that social distance spacing requirements cannot be met. Masks will be made available for in-person attendees who do not have them. The District’s meeting facilities have limited space, and in-person attendees may be requested to leave the room, or participate via internet or telephone, until the number of any unmasked attendees at the District’s facility can be accommodated consistent with social distancing guidelines.

While the District makes every attempt to follow all guidance re COVID-19 safety protocols, the District cannot assure in-person attendees that they will not be exposed to COVID-19 or persons who have been so exposed, and attendees are advised to exercise caution in limiting their own incidences of exposure, particularly those who may be in groups at higher risk of infection, or serious symptoms of COVID-19 if infected.

Note: Copies of staff reports and other documents relating to the items on this agenda are on file at the District office and are available for public review during normal District business hours. New information relating to agenda topics listed, received, or generated by the District after the posting of this agenda, but before the meeting, will be made available upon request at the District office and in the Agenda Package on the District’s website. It is the intention of the San Bernardino Valley Water Conservation District to comply with the Americans with Disabilities Act (ADA) in all respects. If you need special assistance with respect to the agenda or other written materials forwarded to the members of the Board for consideration at the public meeting, or if as a participant at this meeting you will need special assistance, the District will attempt to accommodate you

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BOARD OF DIRECTORS

Division 1:
Richard Corneille

Division 2:
David E. Raley

Division 3:
Robert Stewart

Division 4:
John Longville

Division 5:
Melody McDonald

GENERAL MANAGER

Daniel B. Cozad

in every reasonable manner. Please contact Athena Lokelani at (909) 793-2503 at least 48 hours prior to the meeting to inform her of your particular needs and to determine if accommodation is feasible. Please advise us at that time if you will need accommodations to attend or participate in meetings on a regular basis.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL

1. PUBLIC PARTICIPATION

Members of the public may address the Board of Directors on any item that is within the jurisdiction of the Board; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) Section 54954.2 of the Government Code.

2. ADDITIONS/DELETIONS TO AGENDA

Section 54954.2 provides that a legislative body may take action on items of business not appearing on the posted agenda under the following conditions: (1) an emergency situation exists, as defined in Section 54956.5; (2) a need to take immediate action and the need for action came to the attention of the District subsequent to the agenda being posted; and (3) the item was posted for a prior meeting occurring not more than five calendar days prior to the date action is taken on the item, and at the prior meeting the item was continued to the meeting at which action is being taken.

3. AD HOC COMMITTEE APPOINTMENTS

A. AUDIT COMMITTEE

4. GUEST RECOGNITION/SELF INTRODUCTIONS

5. PUBLIC HEARING RELATED TO REDISTRICTING

The District is required under Elections Code section 22000 to review division boundaries after the decennial US Census. Elections Code section 22001 requires two (2) public hearings in connection with any adjustment to the District’s division boundaries, as a result of the census. The goal of division boundary review is to ensure each Division of District is fairly distributed as to population, and otherwise compliant with the Federal and California Voting Rights Acts. In adjusting the boundaries of the district, the board may give consideration to the following factors: (1) topography, (2) geography, (3) cohesiveness, contiguity, integrity, and compactness of territory, and (4) community of interests of the district. A public hearing will be held to take public comment, and to discuss, review and after both hearings, approve the potential redrawing of the District’s five (5) divisions.

- *Open Public Hearing*
- *Realignment of Component District Division (M#1843) 7*
- *Resolution No. 597 21*
- *Receive Public Comments or Testimony*
- *Close Public Hearing*

6. CONSENT CALENDAR

- A. Approval of Special Board Minutes, February 2, 2022 22
- B. Approval of Board Minutes, February 9, 2022 24
- C. Approval of Expenditure Report, February 2022 36
- D. Resolution No. 598 Remote Meetings per AB 361 45

7. COMMITTEE REPORTS /ACTION ITEMS

Action Items

- A. UNAUDITED FINANCIAL REPORTS, February 2022 - 5 minutes (M#1844).....47
Presenter: Betsy Miller
Recommendation: Review and approve the unaudited financials for February 2022.

- B. GROUNDWATER LATE PAYER, NON-RESPONDENTS AND INVESTIGATION LIST FOR GWA #57 – 5 minutes (M#1845).....53
Presenter: Daniel Cozad
Recommendation: Review, discuss and direct staff to investigate late payers and non-respondents for the period of July 1, 2021-December 31, 2021.

- C. FINAL 2022 ENGINEERING INVESTIGATION REPORT– 10 Minutes (M#1846)55
Presenter: Katelyn Scholte
Recommendation: Provide comments or changes to the Engineering Investigation (EI Report); receive and file staff’s presentation.

- D. AMENDMENT 2 TO THE MILL CREEK GROUNDWATER RECHARGE FACILITY OPERATIONS & MAINTENANCE PERMITTING PROFESSIONAL SERVICES CONTRACT AWARD – 5 Minutes (M#1847)..... 70
Presenter: Betsy Miller
Recommendation: Staff recommends that the Board amend the Mill Creek Groundwater Recharge Facility Operations and Maintenance Permitting Professional Services Contract with AECOM to authorize 1) Optional Task 1c, San Bernardino Kangaroo Rat Survey, 2) Optional Task 1d, Least Bell’s Vireo Survey, and 3) New Task 11, Permitting Support for the Mill Creek Flow Meter Installation Project, for a total cost of \$63,282.50.

- E. MILL, BLEDSOE AND COOK CREEK PRELIMINARY ENGINEERING AND FEASIBILITY STUDY SUPPORT PROFESSIONAL SERVICES AWARD OF CONTRACT - 10 Minutes (M#1848)..... 75
Presenter: Erwin Fogerson/Katelyn Scholte
Recommendation: 1) Find the contract to be categorically exempt from CEQA under Title 14, California Code of Regulations Sections 15306 and statutorily exempt under Section 15262 and 2) Accept the proposal from Q3 Consulting and authorize the General Manager to complete the negotiation of services and fees and execute a professional consultant services agreement not to exceed \$2,190,644.

- F. FOGERSON RETIRED ANNUITANT POSITION – 5 Minutes (M#1849)..... 111
Presenter: David Cosgrove
Recommendation: Approve Resolution No. 599, and the Agreement For Employment Of Active Recharge Transfer Project (ARTP) Engineer As Retired Annuitant attached thereto.

- G. ANNUAL REPORT ON THE STATUS OF THE SAN BERNARDINO VALLEY CONSERVATION TRUST – 5 minutes (M#1850)..... 118
Presenter: Daniel Cozad
Recommendation: Receive and file the report on the State of the San Bernardino Valley Conservation Trust.

- H. March 21, 2022 Association of the San Bernardino County Special Districts, 6:00 p.m. at Centro Basco Restaurant, Chino
- I. March 22, 2022 Big Bear Watermaster Committee, 10:00 a.m.
(Zoom Meeting ID: 870 0089 4033)
- J. March 23, 2022 USAR WIFA Technical Advisory Committee, 8:30 a.m.
(teleconference only)
- K. April 4, 2022 Operations Committee, 9:00 a.m.
(Zoom Meeting ID: 810 0638 7743)
- L. April 4, 2022 Basin Technical Advisory Committee, 1:30 p.m. at Valley Municipal
- M. April 5, 2022 San Bernardino Valley Municipal Water District Board Meeting, 2:00 p.m. at Valley Municipal
- N. April 13, 2022 Board of Directors Meeting/Groundwater Public Meeting, 1:30 p.m. at District
(Zoom Meeting ID: 828 2351 1711)
- O. April 25, 2022 ARTP Policy Committee, 9:00 a.m.
(Zoom Meeting ID: 889 5274 0760)
- P. April 27, 2022 Board of Directors Meeting/Groundwater Public Hearing, 1:30 p.m.
(Zoom Meeting ID: 825 8484 4364)
- Q. April 27, 2022 Budget Workshop, 3:00 p.m. (or immediately following Board meeting)
(Zoom Meeting ID: 825 8484 4364)
- R. May 3-May 6, 2022 ACWA Spring Conference, Sacramento
(Board Approval Required)

11. **CLOSED SESSION**

1. The Board will meet in Closed Session under authority of Government Code §54956.9 (a), in order to discuss existing litigation, Endangered Habitats League et al. vs. U.S. Army Corps of Engineers, Central District Court Case no. Case No.: 2:16-cv-09178-MWF-E.
2. The Board will meet in Closed Session under authority of Government Code §54956.9 (a), in order to discuss existing litigation, San Bernardino Valley Water Conservation District v. Mark J. Bacher dba Red Dragonfly Spa, SBCSC Case No. LLTVA 2103055.
3. The Board may convene in Closed Session for Conference to discuss Real Property Negotiations pursuant to Government Code §54956.8; Owner: Southern California Edison East End Hydroelectric Generation Plant property located on various parcels and easements in Mill Creek and Santa Ana River Canyons, Negotiator: Daniel Cozad and David Cosgrove Owner: Southern California Edison Negotiators Allison, Bahen, Property Manager and Steven Powell, Vice President.
4. The Board may convene in Closed Session for Conference to discuss Real Property Negotiations pursuant to Government Code §54956.8; Owner: First American Title, relating to property generally described as Cook Creek Highland Hills property located at parcels 119934118, 119934119, 119934120, 119934125, 028815108 Negotiators: Daniel Cozad, David Cosgrove, and Heather Dyer

5. The Board may convene in closed Session under authority of Government Code section 54957 (b) to consider the performance evaluation of the General Manager.

12. **ADJOURN MEETING.** The next regularly scheduled Board of Directors Meeting will be on April 13, 2022 at 1:30 p.m., at District Headquarters, 1630 W. Redlands Blvd., Redlands, CA and via Zoom/teleconference.



San Bernardino Valley Water Conservation District

Helping Nature Store Our Water

Memorandum No. 1843

To: Board of Directors
From: David B. Cosgrove, General Counsel
Date: March 9, 2022
Subject: Realignment of Component District Divisions

RECOMMENDATION

Conduct the second of two (2) public hearings regarding proposed realignment of the District's five (5) component division boundaries, including a new Scenario (denominated Scenario 7) as directed by the Board of Directors at its regular meeting of February 9, 2022. Depending on any revisions from any public or additional Board member comments that may be received, consider and adopt Resolution No. 597, approving the decennial realignment of District division boundaries, consistent with the requirements of Elections Code sections 22000-20002.

BACKGROUND AND DISCUSSION

Since September of last year, staff has periodically given presentations to the Board regarding the legal requirements, and timing, for the realignment of the voting division boundaries for the District. Redistricting scenarios were presented to the Board in January, and directions were given to staff regarding various directed revisions, largely based on communities of interest and neighborhood identity issues.

Public notice of the hearings on February 9 and March 9 of this year was posted at the District, on the District's website, and by publication. On February 9, 2022, the Board conducted a public hearing on three (3) proposed redrawn boundary scenarios, denominated scenarios 4, 5, and 6. Comments were made by the Board members relating to historical dimensions of the divisions, appropriate sub-communities and neighborhoods located near the boundaries of new divisions, and the overall goal (and legal requirement) for rough equality in population among the proposed divisions. No public comment was received.

This month, the Board will conduct the second of its required public hearings on the division realignment and, assuming a majority of the Board so agrees, will consider and adopt a resolution realigning the five (5) constituent division boundaries.

As a review of the legal context, Elections Code section 22000 requires the District, after each decennial census, and using that census as a basis, to adjust the boundaries of any component divisions so that the divisions are, as far as practicable, equal in population and in accord with requirements of 52 U.S.C. Section 10301. That section prohibits any voting qualification, prerequisite, standard, practice, or procedure which results in the denial or abridgement of the right to vote, based on race or color.

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Effectively, this means that the District must review and analyze any demographic changes in population indicated by the 2020 census, and redraw its division boundaries in such a way as to evenly distribute its population (generally, variances under five (5%) percent are permissible), and to assure that standards of the Federal And California Voting Rights Act are not violated.

As the Board is aware, our divisions were last drawn in connection with the passage of Senate Bill 235 in 2011, reducing the number of divisions of the District from seven (7) to five (5). This was accomplished by way of Resolution No. 481, passed in September, 2012.

The release of the 2020 census data was delayed due to impacts of the COVID-19 pandemic. For special districts, statutes call for a period of no less than 180 days between adjustment of any division boundary, and the regular election date. (Elections Code sec. 22000(d).) The next regularly scheduled election for our District is November 8, 2022, and 180 days preceding that is May 12, 2022 (practically May 11, 2022, given the Board's regular meeting schedule). Two public hearings are required before a resolution adopting the new division boundaries can be finalized. (Elections Code sec. 22001.)

That said, recently passed legislation has accelerated that date, to make sure redistricting is complete in time for the June 2022 primary. SB 594 (Glazer) was signed by the Governor on September 27, 2021, as an urgency measure, and requires any resolution adjusting boundaries to be passed on or before April 17, 2022. Given our regular Board meeting schedule, our practical resolution deadline would be April 13, 2022. Because the District has been diligent in its efforts on this initiative, and the Board has been responsive to requests for input and direction, staff is now proposing that we finalize that process at today's meeting.

On January 12, 2022, staff presented the current alignment of divisions, showing the shifts in population reflected in the most recent census, which indicated material realignment will be required to meet legal requirements. Staff also presented realignment based upon zip code areas, as the Board requested, but that resulted in substantial disparity of population, beyond legal tolerances. The Board directed Staff not to pursue that scenario further. Finally, Staff offered a scenario based on City boundaries. This scenario permitted population equality among divisions well below the five (5%) percent rule of thumb. Staff was directed to refine that scenario further, and did so resulting in three (3) additional scenarios presented for review on February 9, 2022.

To recap those scenarios:

Scenario 3 focused on City boundaries, and was reviewed on January 12, 2022.

Scenario 4: Moved Division 5 somewhat easterly, and Division 4 includes more territory northerly, where Division 5 was previously. Division 1 moved westerly, and bit more to the south.

Scenario 5: Division 5 again moved easterly, and Division 4 moved north. Division 3 includes the industrial area above Loma Linda near San Bernardino Avenue and Mountainview Avenue.

Scenario 6: Took Division 5 even further east, with Division 4 again moving northerly, and District 2 moving southerly, and Division 1 westerly, to adjust populations.

The Board directed staff to generate an additional Scenario 7, asking for changes to move Division 5 as easterly as possible, and having Division 3 encompass as much of Loma Linda, with Scenario 7 including as population equality tolerances would permit. In response, staff has prepared Scenario 7, which shifts Division 5 to the east and incorporates 93.3% of the portion of Loma Linda located within the District boundary within Division 3, for consideration by the Board.

Demographic and population information regarding each of the proposed division alignment scenarios is attached hereto, along with a bar graph depicting a comparison of demographics between each scenario. These have been reviewed by District Counsel, and it does not appear that any present any problems with either population disparity, or issues under the Federal or California Voting Rights Act.

The Board is reminded that the overriding criteria for division boundary drawing is equality of population. Each of the additional scenarios fits well within legal tolerances. Given this, the additional criteria for evaluation, under Elections Code section 22000, are: (1) topography, (2) geography, (3) cohesiveness, contiguity, integrity, and compactness of territory, and (4) community of interests of the division. The Board's discussion should be directed towards these criteria. The public is also free to provide its own suggested scenarios, for the Board's consideration, at the public hearings attending this process. Staff recommends the Board open the public hearing and begin accepting public comment or, if there is no further input from the Board, approve the submitted resolution.

FISCAL IMPACT

None.

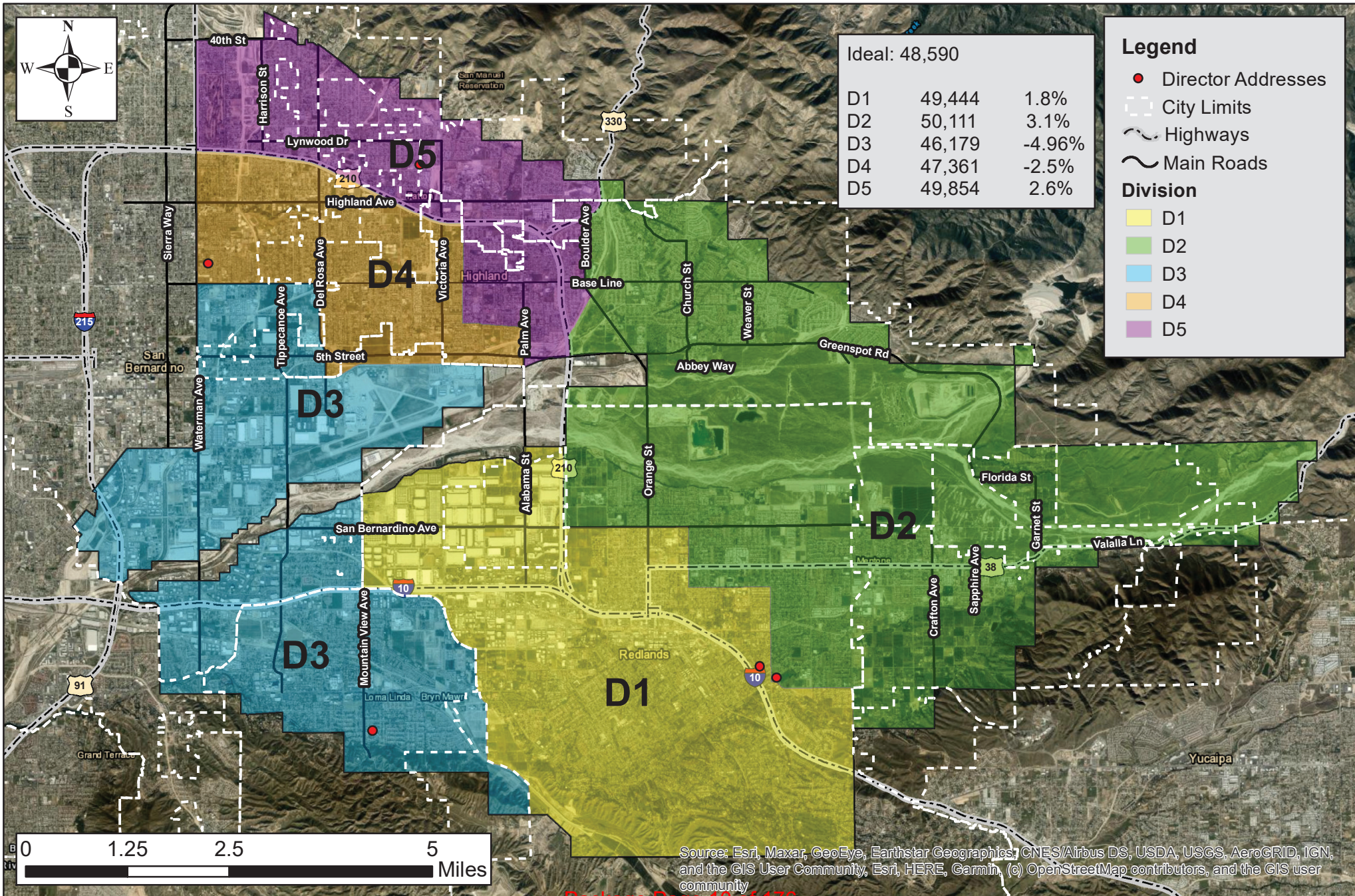
POTENTIAL MOTIONS

1. After conducting the appropriate public hearing, approve Resolution No. 597, adopting Scenario 7 (as may be further modified by public or Board member comment) as the realigned division boundaries for the November 2022 election.
2. Continue the matter to April 13, 2022, with any additional direction to staff.
3. Provide other direction to staff.

Redistricting Scenario 3

Consideration of City Boundaries

Coordinate System:
 NAD 1983 StatePlane California V FIPS 0405 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Source: SBVWCD, CASIL, SBVMWD
 GIS Contact: Anna Frey
 M:\Boundary Redistricting\2020\Maps
 January 26, 2022



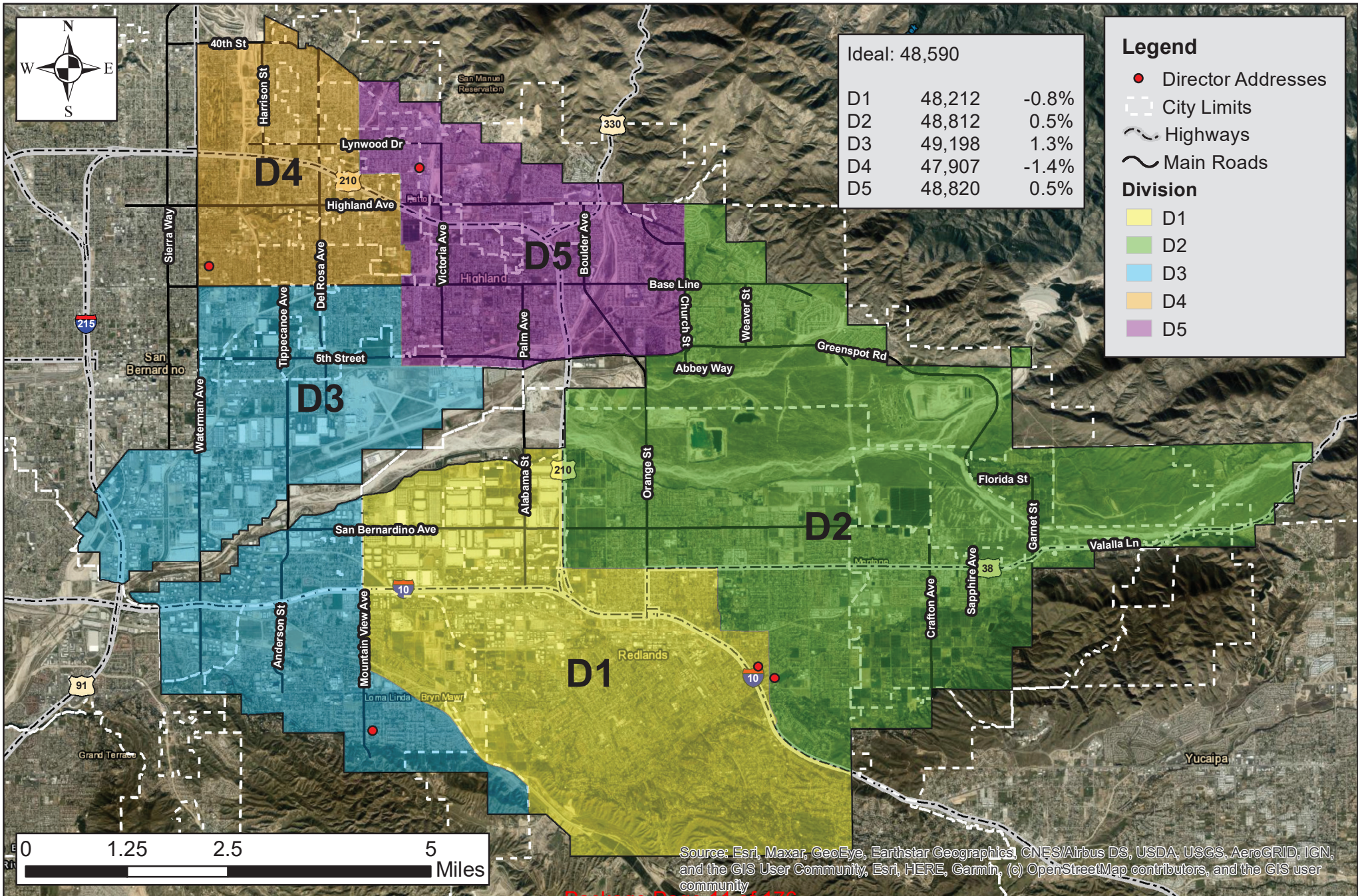
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

Redistricting Scenario 4

Coordinate System:
 NAD 1983 StatePlane California V FIPS 0405 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Source: SBVWCD, CASIL, SBVMWD
 GIS Contact: Anna Frey
 M:\Boundary Redistricting\2020\Maps
 January 20, 2022



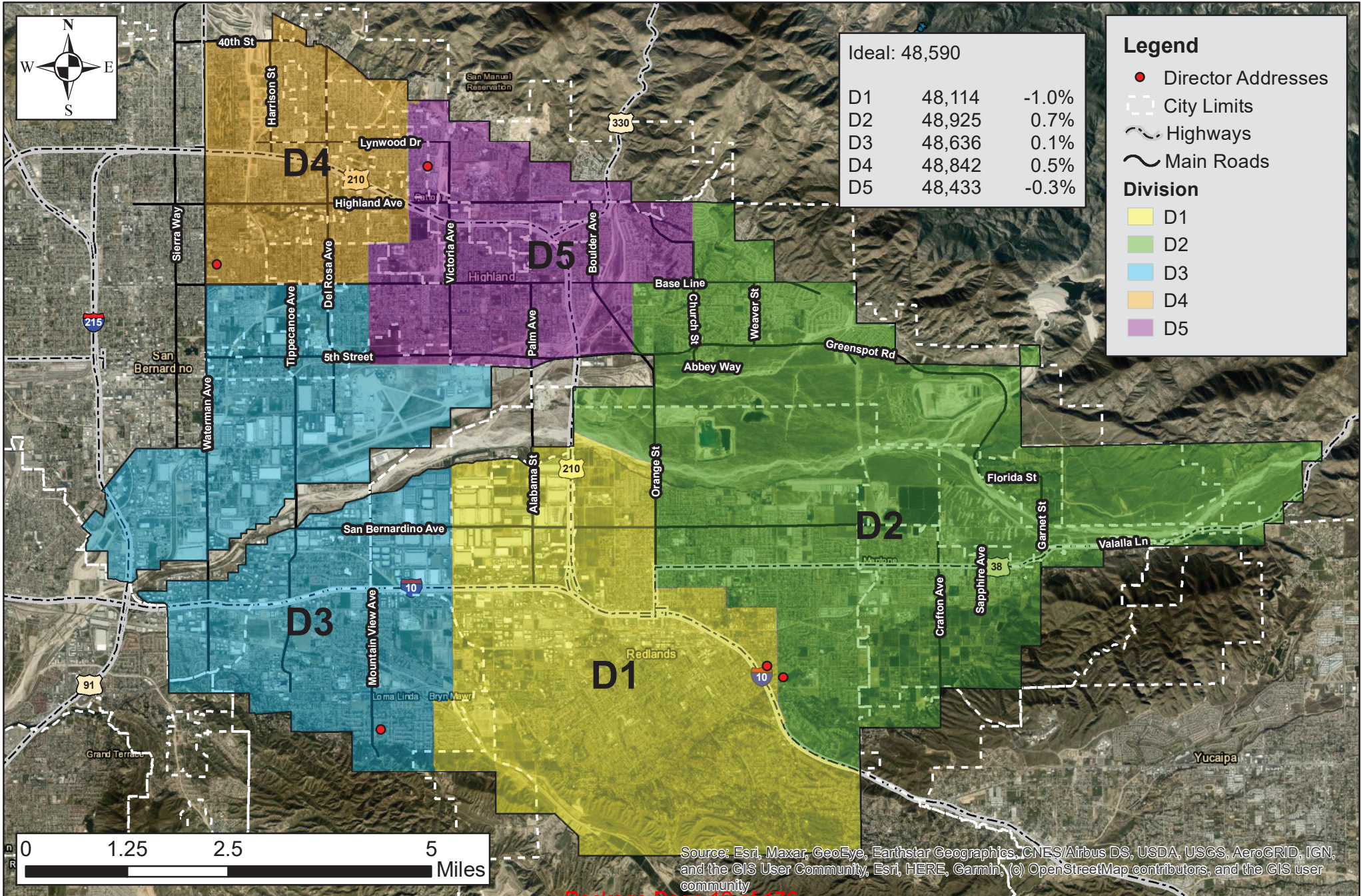
**San Bernardino Valley
 Water Conservation District**
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Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

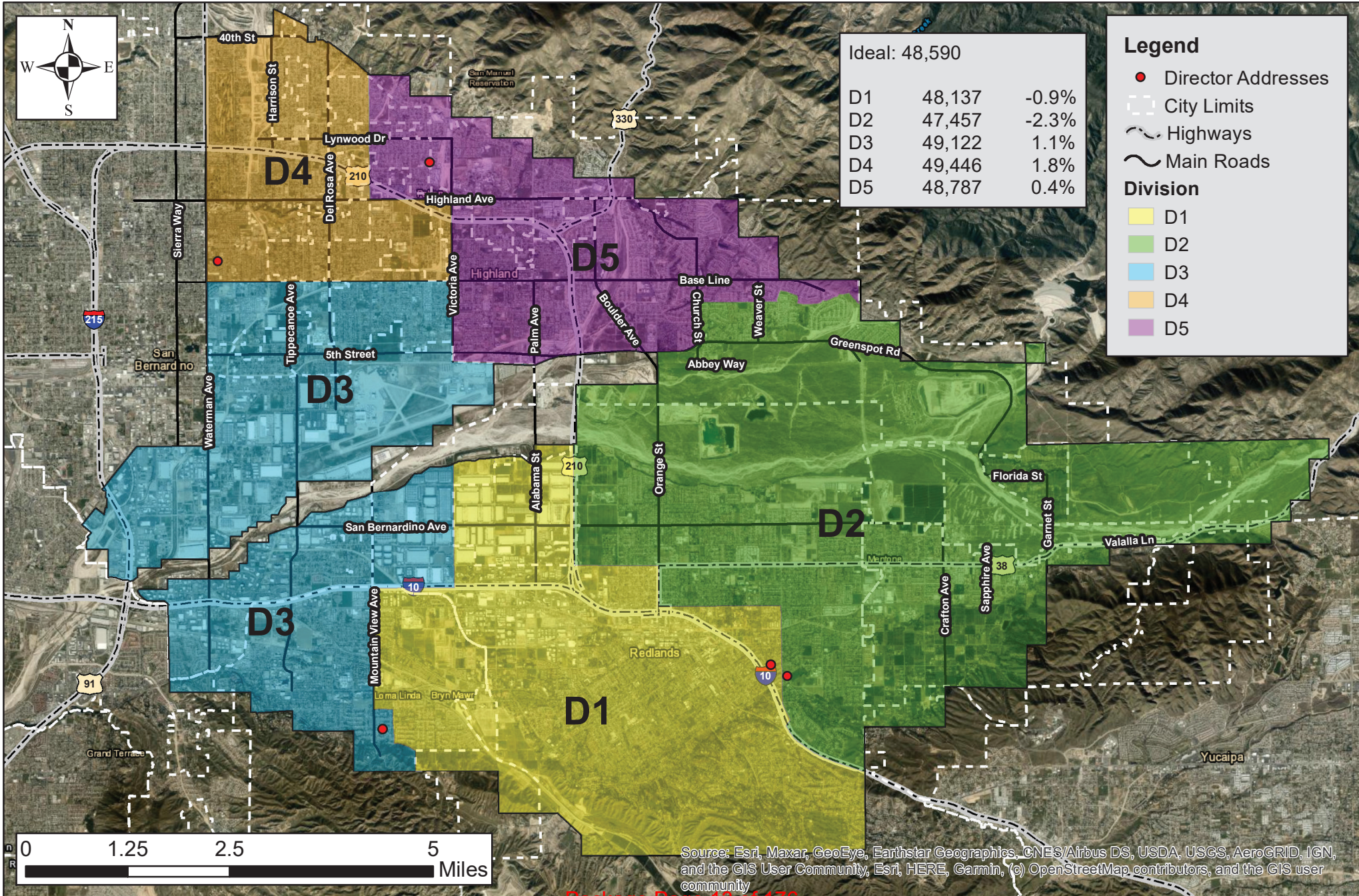
Redistricting Scenario 5

Coordinate System:
 NAD 1983 StatePlane California V FIPS 0405 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Source: SBVWCD, CASIL, SBVMWD
 GIS Contact: Anna Frey
 M:\Boundary Redistricting\2020\Maps
 January 20, 2022



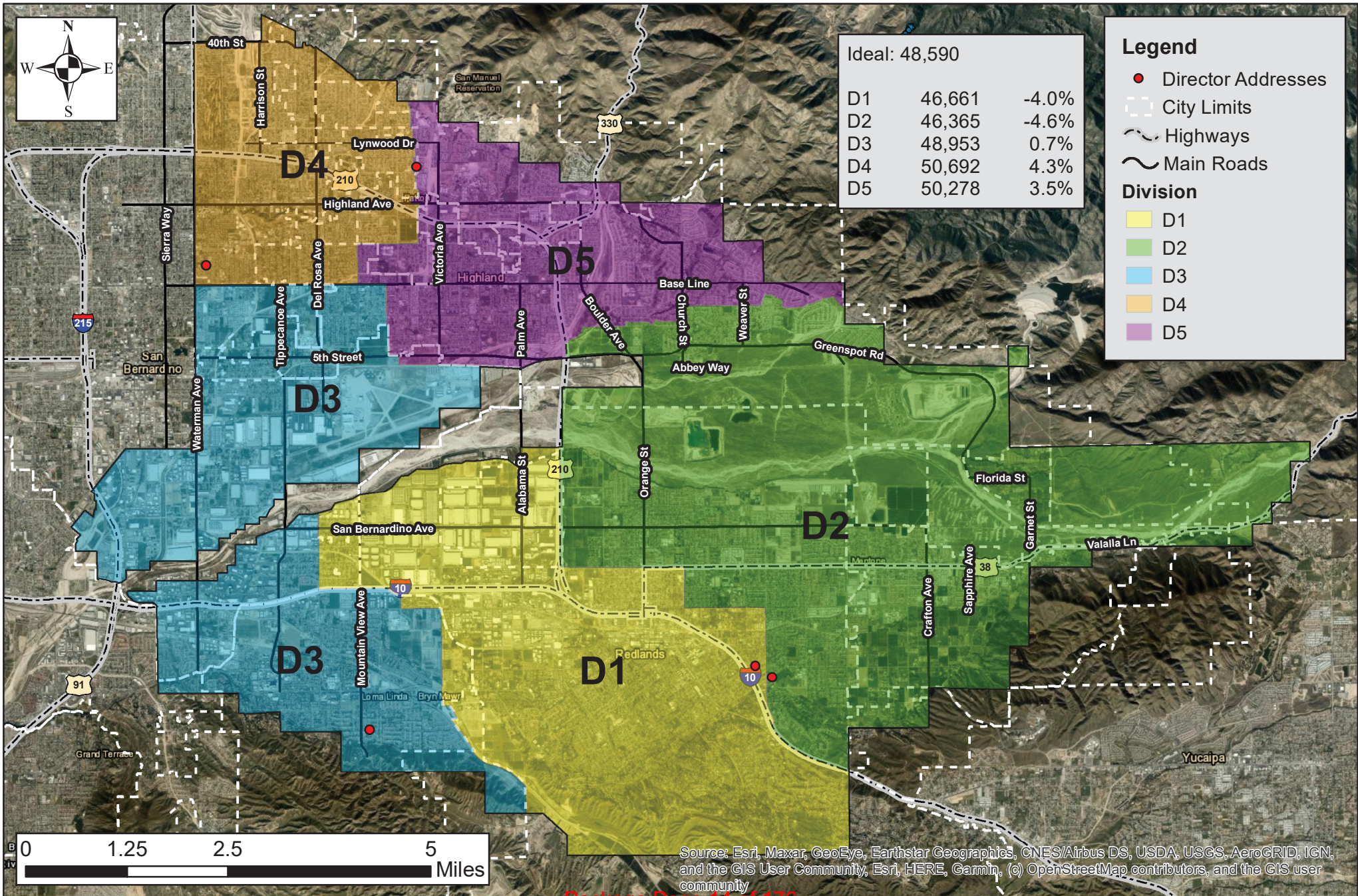
Redistricting Scenario 6

Coordinate System:
 NAD 1983 StatePlane California V FIPS 0405 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Source: SBVWCD, CASIL, SBVMWD
 GIS Contact: Anna Frey
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 January 26, 2022



Redistricting Scenario 7

Coordinate System:
 NAD 1983 StatePlane California V FIPS 0405 Feet
 Projection: Lambert Conformal Conic
 Datum: North American 1983
 Source: SBVWCD, CASIL, SBVMWD
 GIS Contact: Anna Frey
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 Feb. 23, 2022



Population Summary Report, Scenario 3: City Boundaries

		District	D1	D2	D3	D4	D5							
		Total Pop	242,949	49,444	50,111	46,179	47,361	49,854						
		Deviation from ideal	Ideal:48,590	855	1521	-2411	-1229	1264						
		% Deviation		1.8%	3.1%	-4.96%	-2.5%	2.6%						
		Counts						% District Total	% Division Total					
		District	D1	D2	D3	D4	D5	District	D1	D2	D3	D4	D5	
Total Population	Total Pop	242,949	49,444	50,111	46,179	47,361	49,854							
	Hispanic	118,062	17,266	18,523	20,546	33,371	28,357	48.6	34.9	37.0	44.5	70.5	56.9	
	Not Hispanic	124,887	32,179	31,588	25,633	13,990	21,498	51.4	65.1	63.0	55.5	29.5	43.1	
	Population of one Race	116,015	29,836	29,250	23,996	12,936	19,997	47.8	60.3	58.4	52.0	27.3	40.1	
	NH White	68,801	22,582	21,016	9,219	5,134	10,849	28.3	45.7	41.9	20.0	10.8	21.8	
	NH Black	21,501	2,586	2,493	4,653	5,576	6,193	8.8	5.2	5.0	10.1	11.8	12.4	
	NH American Indian and Alaska Native	841	177	160	124	175	205	0.3	0.4	0.3	0.3	0.4	0.4	
	NH Asian	22,874	4,129	5,199	9,613	1,675	2,258	9.4	8.4	10.4	20.8	3.5	4.5	
	NH Hawaiian or Other Pacific Islander	774	118	139	136	190	190	0.3	0.2	0.3	0.3	0.4	0.4	
	Some Other Race	1,224	243	242	249	186	303	0.5	0.5	0.5	0.5	0.4	0.6	
	Population of Two or More Races	8,871	2,342	2,338	1,637	1,054	1,500	3.7	4.7	4.7	3.5	2.2	3.0	
Citizen Voting Age Population	Total Pop	182,592	38,912	38,595	35,190	32,840	37,056							
	Hispanic	80,634	12,197	13,057	14,110	21,913	19,357	44.2	31.3	33.8	40.1	66.7	52.2	
	Not Hispanic	101,958	26,714	25,538	21,080	10,927	17,698	55.8	68.7	66.2	59.9	33.3	47.8	
	Population of one Race	96,168	25,160	24,021	20,008	10,276	16,703	52.7	64.7	62.2	56.9	31.3	45.1	
	NH White	59,001	19,436	17,463	8,036	4,479	9,587	32.3	49.9	45.2	22.8	13.6	25.9	
	NH Black	16,128	1,892	1,978	3,538	4,032	4,688	8.8	4.9	5.1	10.1	12.3	12.6	
	NH American Indian and Alaska Native	688	141	140	106	137	163	0.4	0.4	0.4	0.3	0.4	0.4	
	NH Asian	18,929	3,402	4,170	8,053	1,376	1,927	10.4	8.7	10.8	22.9	4.2	5.2	
	NH Hawaiian or Other Pacific Islander	590	94	105	112	139	140	0.3	0.2	0.3	0.3	0.4	0.4	
	Some Other Race	833	195	165	162	113	198	0.5	0.5	0.4	0.5	0.3	0.5	
	Population of Two or More Races	5,790	1,555	1,516	1,073	651	995	3.2	4.0	3.9	3.0	2.0	2.7	

Population Summary Report, Scenario 4

		District	D1	D2	D3	D4	D5							
		Total Pop	242,949	48,212	48,812	49,198	47,907	48,820						
		Deviation from ideal	Ideal:48,590	-378	222	608	683	230						
		% Deviation		-0.8%	0.5%	1.3%	-1.4%	0.5%						
		Counts						% District Total	% Division Total					
		District	D1	D2	D3	D4	D5	District	D1	D2	D3	D4	D5	
Total Population	Total Pop	242,949	48,212	48,812	49,198	47,907	48,820							
	Hispanic	118,062	15,774	18,878	25,348	31,845	26,216	48.6	32.7	38.7	51.5	66.5	53.7	
	Not Hispanic	124,887	32,439	29,933	23,850	16,062	22,604	51.4	67.3	61.3	48.5	33.5	46.3	
	Population of one Race	116,015	30,127	27,705	22,251	14,870	21,062	47.8	62.5	56.8	45.2	31.0	43.1	
	NH White	68,801	21,845	19,856	8,395	6,935	11,769	28.3	45.3	40.7	17.1	14.5	24.1	
	NH Black	21,501	2,680	2,319	5,094	6,122	5,285	8.8	5.6	4.8	10.4	12.8	10.8	
	NH American Indian and Alaska Native	841	162	173	119	202	185	0.3	0.3	0.4	0.2	0.4	0.4	
	NH Asian	22,874	5,105	4,968	8,260	1,121	3,420	9.4	10.6	10.2	16.8	2.3	7.0	
	NH Hawaiian or Other Pacific Islander	774	92	145	141	217	178	0.3	0.2	0.3	0.3	0.5	0.4	
	Some Other Race	1,224	242	242	240	274	225	0.5	0.5	0.5	0.5	0.6	0.5	
	Population of Two or More Races	8,871	2,311	2,228	1,599	1,191	1,542	3.7	4.8	4.6	3.2	2.5	3.2	
Citizen Voting Age Population	Total Pop	182,592	37,897	37,663	36,572	33,855	36,606							
	Hispanic	80,634	11,138	13,362	17,090	21,135	17,909	44.2	29.4	35.5	46.7	62.4	48.9	
	Not Hispanic	101,958	26,758	24,301	19,482	12,720	18,696	55.8	70.6	64.5	53.3	37.6	51.1	
	Population of one Race	96,168	25,251	22,807	18,455	11,931	17,724	52.7	66.6	60.6	50.5	35.2	48.4	
	NH White	59,001	18,686	16,564	7,355	6,093	10,303	32.3	49.3	44.0	20.1	18.0	28.1	
	NH Black	16,128	1,994	1,796	3,769	4,422	4,146	8.8	5.3	4.8	10.3	13.1	11.3	
	NH American Indian and Alaska Native	688	130	158	97	158	144	0.4	0.3	0.4	0.3	0.5	0.4	
	NH Asian	18,929	4,168	4,020	6,968	940	2,832	10.4	11.0	10.7	19.1	2.8	7.7	
	NH Hawaiian or Other Pacific Islander	590	79	104	117	145	145	0.3	0.2	0.3	0.3	0.4	0.4	
	Some Other Race	833	194	165	148	173	153	0.5	0.5	0.4	0.4	0.5	0.4	
	Population of Two or More Races	5,790	1,508	1,494	1,028	789	972	3.2	4.0	4.0	2.8	2.3	2.7	

Population Summary Report, Scenario 5

		District	D1	D2	D3	D4	D5							
		Total Pop	242,949	48,114	48,925	48,636	48,842	48,433						
		Deviation from ideal	Ideal:48,590	-476	335	46	252	-157						
		% Deviation		-1.0%	0.7%	0.1%	0.5%	-0.3%						
		Counts						% District Total	% Division Total					
		District	D1	D2	D3	D4	D5	District	D1	D2	D3	D4	D5	
Total Population	Total Pop	242,949	48,114	48,925	48,636	48,842	48,433							
	Hispanic	118,062	16,201	18,460	23,484	32,269	27,648	48.6	33.7	37.7	48.3	66.1	57.1	
	Not Hispanic	124,887	31,912	30,465	25,152	16,573	20,784	51.4	66.3	62.3	51.7	33.9	42.9	
	Population of one Race	116,015	29,637	28,176	23,503	15,384	19,314	47.8	61.6	57.6	48.3	31.5	39.9	
	NH White	68,801	21,891	20,400	9,012	7,556	9,941	28.3	45.5	41.7	18.5	15.5	20.5	
	NH Black	21,501	2,334	2,604	4,866	5,926	5,772	8.8	4.9	5.3	10.0	12.1	11.9	
	NH American Indian and Alaska Native	841	171	150	134	206	180	0.3	0.4	0.3	0.3	0.4	0.4	
	NH Asian	22,874	4,886	4,647	9,104	1,186	3,051	9.4	10.2	9.5	18.7	2.4	6.3	
	NH Hawaiian or Other Pacific Islander	774	109	138	136	227	163	0.3	0.2	0.3	0.3	0.5	0.3	
	Some Other Race	1,224	246	237	250	283	207	0.5	0.5	0.5	0.5	0.6	0.4	
	Population of Two or More Races	8,871	2,275	2,288	1,649	1,189	1,470	3.7	4.7	4.7	3.4	2.4	3.0	
Citizen Voting Age Population	Total Pop	182,592	37,961	37,478	36,696	34,723	35,734							
	Hispanic	80,634	11,490	12,927	16,054	21,503	18,660	44.2	30.3	34.5	43.7	61.9	52.2	
	Not Hispanic	101,958	26,471	24,551	20,642	13,220	17,074	55.8	69.7	65.5	56.3	38.1	47.8	
	Population of one Race	96,168	24,977	23,073	19,562	12,444	16,112	52.7	65.8	61.6	53.3	35.8	45.1	
	NH White	59,001	18,772	16,947	7,859	6,632	8,791	32.3	49.5	45.2	21.4	19.1	24.6	
	NH Black	16,128	1,753	2,000	3,685	4,317	4,372	8.8	4.6	5.3	10.0	12.4	12.2	
	NH American Indian and Alaska Native	688	139	133	112	163	140	0.4	0.4	0.4	0.3	0.5	0.4	
	NH Asian	18,929	4,035	3,727	7,628	995	2,543	10.4	10.6	9.9	20.8	2.9	7.1	
	NH Hawaiian or Other Pacific Islander	590	87	104	113	157	129	0.3	0.2	0.3	0.3	0.5	0.4	
	Some Other Race	833	191	161	164	180	137	0.5	0.5	0.4	0.4	0.5	0.4	
	Population of Two or More Races	5,790	1,494	1,478	1,081	776	961	3.2	3.9	3.9	2.9	2.2	2.7	

Population Summary Report, Scenario 6

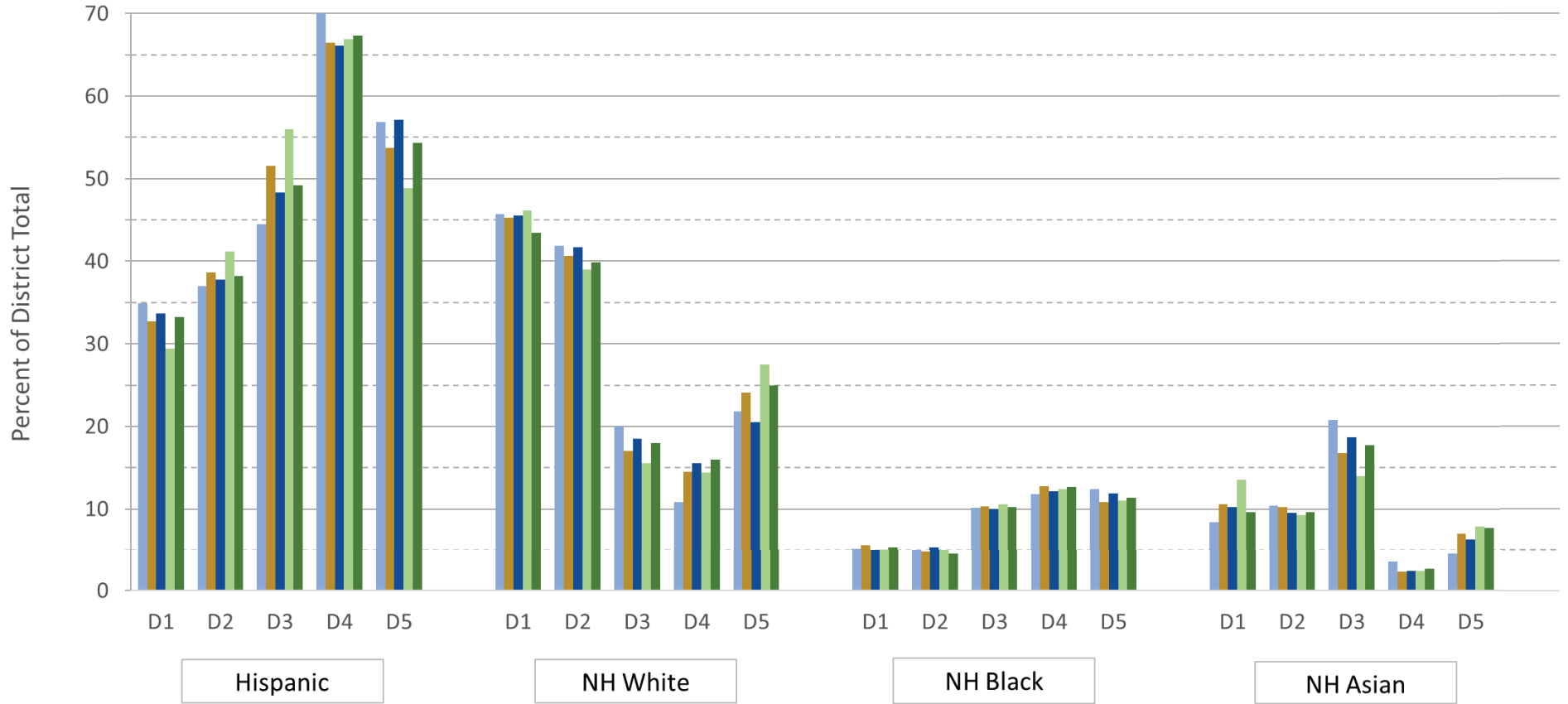
		District	D1	D2	D3	D4	D5							
		Total Pop	242,949	48,137	47,457	49,122	49,446	48,787						
		Deviation from ideal	Ideal:48,590	-453	-1133	532	856	197						
		% Deviation		-0.9%	-2.3%	1.1%	1.8%	0.4%						
		Counts						% District Total	% Division Total					
		District	D1	D2	D3	D4	D5	District	D1	D2	D3	D4	D5	
Total Population	Total Pop	242,949	48,137	47,457	49,122	49,446	48,787							
	Hispanic	118,062	14,156	19,533	27,494	33,068	23,811	48.6	29.4	41.2	56.0	66.9	48.8	
	Not Hispanic	124,887	33,981	27,924	21,628	16,378	24,976	51.4	70.6	58.8	44.0	33.1	51.2	
	Population of one Race	116,015	31,629	25,794	20,194	15,144	23,253	47.8	65.7	54.4	41.1	30.6	47.7	
	NH White	68,801	22,167	18,509	7,610	7,121	13,394	28.3	46.1	39.0	15.5	14.4	27.5	
	NH Black	21,501	2,463	2,319	5,212	6,142	5,365	8.8	5.1	4.9	10.6	12.4	11.0	
	NH American Indian and Alaska Native	841	158	166	126	213	177	0.3	0.3	0.4	0.3	0.4	0.4	
	NH Asian	22,874	6,521	4,409	6,886	1,194	3,865	9.4	13.5	9.3	14.0	2.4	7.9	
	NH Hawaiian or Other Pacific Islander	774	74	162	137	223	177	0.3	0.2	0.3	0.3	0.5	0.4	
	Some Other Race	1,224	245	229	223	252	274	0.5	0.5	0.5	0.5	0.5	0.6	
	Population of Two or More Races	8,871	2,353	2,129	1,434	1,233	1,723	3.7	4.9	4.5	2.9	2.5	3.5	
Citizen Voting Age Population	Total Pop	182,592	38,247	36,326	36,089	34,952	36,979							
	Hispanic	80,634	10,107	13,702	18,449	21,925	16,452	44.2	26.4	37.7	51.1	62.7	44.5	
	Not Hispanic	101,958	28,140	22,624	17,640	13,027	20,527	55.8	73.6	62.3	48.9	37.3	55.5	
	Population of one Race	96,168	26,614	21,200	16,714	12,201	19,440	52.7	69.6	58.4	46.3	34.9	52.6	
	NH White	59,001	18,959	15,484	6,706	6,269	11,582	32.3	49.6	42.6	18.6	17.9	31.3	
	NH Black	16,128	1,883	1,726	3,846	4,456	4,216	8.8	4.9	4.8	10.7	12.7	11.4	
	NH American Indian and Alaska Native	688	128	154	104	169	132	0.4	0.3	0.4	0.3	0.5	0.4	
	NH Asian	18,929	5,394	3,556	5,800	999	3,180	10.4	14.1	9.8	16.1	2.9	8.6	
	NH Hawaiian or Other Pacific Islander	590	64	120	113	152	141	0.3	0.2	0.3	0.3	0.4	0.4	
	Some Other Race	833	186	160	144	156	188	0.5	0.5	0.4	0.4	0.4	0.5	
	Population of Two or More Races	5,790	1,526	1,424	927	826	1,088	3.2	4.0	3.9	2.6	2.4	2.9	

Population Summary Report, Scenario 7

		District	D1	D2	D3	D4	D5							
		Total Pop	242,949	46,661	46,365	48,953	50,692	50,278						
		Deviation from ideal	Ideal:48,590	-1928	-2225	363	2102	1688						
		% Deviation		-4.0%	-4.6%	0.7%	4.3%	3.5%						
		Counts						% District Total	% Division Total					
		District	D1	D2	D3	D4	D5	District	D1	D2	D3	D4	D5	
Total Population	Total Pop	242,949	46,661	46,365	48,953	50,692	50,278							
	Hispanic	118,062	15,977	18,137	24,190	33,266	26,492	48.6	33.2	38.2	49.2	67.3	54.3	
	Not Hispanic	124,887	30,685	28,228	24,763	17,426	23,786	51.4	63.7	59.5	50.4	35.2	48.8	
	Population of one Race	116,015	28,506	26,129	23,103	16,174	22,103	47.8	59.2	55.1	47.0	32.7	45.3	
	NH White	68,801	20,913	18,931	8,854	7,896	12,206	28.3	43.4	39.9	18.0	16.0	25.0	
	NH Black	21,501	2,554	2,119	5,025	6,259	5,544	8.8	5.3	4.5	10.2	12.7	11.4	
	NH American Indian and Alaska Native	841	143	162	134	211	190	0.3	0.3	0.3	0.3	0.4	0.4	
	NH Asian	22,874	4,599	4,535	8,695	1,283	3,762	9.4	9.6	9.6	17.7	2.6	7.7	
	NH Hawaiian or Other Pacific Islander	774	87	149	140	236	161	0.3	0.2	0.3	0.3	0.5	0.3	
	Some Other Race	1,224	209	233	253	289	239	0.5	0.4	0.5	0.5	0.6	0.5	
	Population of Two or More Races	8,871	2,178	2,098	1,660	1,252	1,683	3.7	4.5	4.4	3.4	2.5	3.5	
Citizen Voting Age Population	Total Pop	182,592	36,684	35,693	36,558	36,133	37,525							
	Hispanic	80,634	11,281	12,786	16,360	22,230	17,977	44.2	29.5	35.2	45.3	63.6	48.6	
	Not Hispanic	101,958	25,402	22,907	20,198	13,903	19,548	55.8	66.4	63.1	56.0	39.8	52.9	
	Population of one Race	96,168	24,013	21,508	19,114	13,081	18,453	52.7	62.8	59.2	53.0	37.4	49.9	
	NH White	59,001	17,969	15,796	7,685	6,922	10,630	32.3	47.0	43.5	21.3	19.8	28.7	
	NH Black	16,128	1,876	1,629	3,774	4,570	4,278	8.8	4.9	4.5	10.5	13.1	11.6	
	NH American Indian and Alaska Native	688	110	152	112	168	145	0.4	0.3	0.4	0.3	0.5	0.4	
	NH Asian	18,929	3,816	3,665	7,265	1,072	3,110	10.4	10.0	10.1	20.1	3.1	8.4	
	NH Hawaiian or Other Pacific Islander	590	76	106	116	163	129	0.3	0.2	0.3	0.3	0.5	0.3	
	Some Other Race	833	166	160	161	186	161	0.5	0.4	0.4	0.4	0.5	0.4	
	Population of Two or More Races	5,790	1,390	1,399	1,085	822	1,095	3.2	3.6	3.9	3.0	2.4	3.0	

Demographic Scenario Comparison

Scenario 3 Scenario 4 Scenario 5 Scenario 6 Scenario 7



RESOLUTION NO. 597

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT ADJUSTING THE BOUNDARIES OF THE DISTRICT'S CONSTITUENT DIVISIONS AS A RESULT OF THE 2020 CENSUS

WHEREAS, Elections Code section 22000 requires the Board of Directors to examine division boundaries after each federal decennial census using that census to adjust the boundaries so that the divisions are as equal as possible in population and in compliance with Section 10301 of Title 52 of the United States Code, as amended; and

WHEREAS, Elections Code section 22000 further authorizes the Board of Directors to give consideration to topography, geography, cohesiveness, contiguity, integrity and compactness of territory as well as communities of interest in fixing appropriate division boundaries; and

WHEREAS, The Board of Directors has conducted duly noticed public hearings with published notice on February 9, 2022, and on March 9, 2022, seeking public input on this process, after draft maps had been drawn and published, and solicited public input beginning in September of 2021, prior to the time any proposed maps had been drawn or published; and

WHEREAS, after deliberation and consideration of public comment, the Board of Directors has determined that the draft map denominated as Scenario 7 adjusts the division boundaries to be as equal as possible in population considering the factors provided in Elections Code section 22000 and that Scenario 7 complies with Section 10301 of Title 52 of the United States Code, as amended.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Adoption of Scenario 7 as Realigned Division Boundary. The Board of Directors adopts the map identified as Scenario 7, attached hereto as Exhibit "1" and incorporated herein by this reference, as the map setting forth the adjusted Director Divisions to be used commencing with the regularly-scheduled election of November, 2022, for the election of members of the Board of Directors. The staff and General Manager of the District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution, including coordinating with the San Bernardino County Registrar of Voters to assure the November 2022 election proceeds with the realigned division boundaries in place, and to take any ministerial actions necessary to implement this resolution.

Section 3. Future Division Boundary Realignment. Pursuant to Elections Code section 22000, the Board of Directors will consider adjustments of the Division boundaries following each decennial federal census to assure compliance with all applicable provisions of law.

Section 4. Minor Adjustments. If necessary to facilitate the implementation of this resolution as determined by the San Bernardino County Registrar of Voters, the General Manager, or his or her designee, is authorized to make technical adjustments to Division boundaries that do not substantially affect the population in the Divisions, the eligibility of candidates, or the residence of any elected Director within any Division.

PASSED AND ADOPTED by the Board of Directors of the San Bernardino Valley Water Conservation District this 9th day of March 2022, by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Melody McDonald, President

ATTEST:

Daniel B. Cozad, Secretary

SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT
SPECIAL BOARD OF DIRECTORS MEETING

MINUTES OF February 2, 2022
1:00 p.m.

President McDonald called the meeting of the Board of Directors to order at 1:00 p.m.

ROLL CALL:

BOARD MEMBERS PRESENT:

Melody McDonald, President
Richard Corneille, Vice President
David E. Raley, Director
Robert Stewart, Director
John Longville, Director (Arrival 1:20 p.m.)

BOARD MEMBERS ABSENT:

None

GENERAL COUNSEL PRESENT:

David Cosgrove, Rutan & Tucker

STAFF PRESENT:

None

GUESTS PRESENT:

None

1. PUBLIC PARTICIPATION

President Corneille announced that any person present, who so desired, may make an oral presentation to the Board of Directors. There being none, the meeting continued with the posted agenda items.

2. ADDITIONS/DELETIONS TO AGENDA

There were none.

3. CLOSED SESSION

It was moved by Director Stewart and seconded by Director Longville to adjourn to Closed Session. The motion carried 4-0, with all Directors present voting in the affirmative, and Director Longville noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes**

Director Stewart: Yes

General Counsel announced that the meeting would adjourn to a closed session under the posted agenda items.

4. ADJOURN MEETING

It was moved by Vice President Corneille and seconded by Director Stewart to adjourn. The motion carried 5-0 with all Directors present voting in the affirmative.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes**

At 2:19 p.m., the meeting adjourned to the regular Board meeting scheduled for 1:30 p.m. on February 9, 2022, via Zoom.

Daniel B. Cozad
General Manager

SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT
BOARD OF DIRECTORS MEETING

MINUTES OF FEBRUARY 9, 2022
1:30 p.m.

President McDonald called the Board of Directors meeting to order at 1:33 p.m. by in-person, teleconference, and Zoom meeting. Mr. Cosgrove reviewed the procedures in which the hybrid meeting would proceed and noted that President McDonald is attending via Zoom, and that the location she is attending from is the secondary location listed on the agenda, which has been made publicly accessible. All those in attendance stood for the pledge of allegiance led by President McDonald.

ROLL CALL:

BOARD MEMBERS PRESENT:

Melody McDonald, President
Richard Corneille, Vice President
Robert Stewart, Director
David E. Raley, Director (Arrival 1:30 p.m.)
John Longville, Director (Arrival 3:13 p.m.)

BOARD MEMBERS ABSENT:

None

GENERAL COUNSEL PRESENT:

David Cosgrove, District Counsel

STAFF PRESENT:

Daniel Cozad, General Manager
Betsy Miller, Land Resources Manager/Assistant General Manager
Erwin Fogerson, Senior Engineer/Project Manager
Katelyn Scholte, Assistant Engineer
Athena Lokelani, Administrative Specialist
Angie Quiroga, Administrative Analyst
Anna Frey, Intern

GUESTS PRESENT:

Liz Skrzat, Chino Basin Water Conservation District
T. Milford Harrison, San Bernardino Valley Municipal Water District
Willow Green, Tetra Tech
David E. Smith, East Valley Water District

1. PUBLIC PARTICIPATION

President McDonald announced that any persons present, who so desired, may make an oral presentation to the Board of Directors. Liz Skrzat, General Manager of Chino Basin Water Conservation District, made an oral presentation to the Board. She promoted their Inland Valley Garden Planner website and invited the Board and staff to their Landscape Design launch party to be held on March 17th from 10:30 a.m. to 1:30 p.m. at their headquarters in Montclair. Lunch will be provided along with a garden tour. There is a limit of two attendees per agency due to pandemic restrictions. Ms. Skrzat stated that there will also be a panel titled Home Owner's Association (HOA) Conservation Connections, including best practices and opportunities for water agencies to partner with HOAs on outdoor water savings. The Board thanked Ms. Skrzat for the presentation and invitation. There was no additional public participation.

2. ADDITIONS/DELETIONS TO AGENDA

There were none.

3. GUEST RECOGNITIONS/SELF INTRODUCTIONS

The guests listed above introduced themselves.

4. PUBLIC HEARING RELATED TO REDISTRICTING

Mr. Cosgrove indicated that the District has been reviewing the 2020 census, per Election Code section 22001 in order to realign the Districts' division boundaries based on data from the 2020 census. In January, the Board reviewed various division scenarios updated to reflect population changes, and provided direction to staff to provide additional scenarios with certain refinements. Today's presentation included an additional three scenarios for public review and comment. The associated Board memo and updated scenarios on package page 6 were reviewed and discussed. Mr. Cosgrove reviewed the criteria defined by the statute that must be considered during the redistricting process. He stated that the Board will hold another public hearing on redistricting on March 9, where scenarios will also be made available for public review and comment. A resolution will be presented at that time to adopt a final scenario. All scenarios and information have been posted on the District website for public review. At this time, staff has not received any public comment for consideration.

President McDonald opened the public hearing. She asked if any public wished to comment on the scenarios presented and information provided, and thanked Ms. Frey for her efforts on the redistricting project. Mr. Cosgrove noted that no public comment was received. There being no public comment or testimony, President McDonald closed the public hearing.

Vice President Corneille spoke in support of Scenario 4, particularly in regards to its alternative for Division 3. Director Stewart spoke in support of Scenario 4 and 5. He stated that there have been significant changes in areas that have become industrial, resulting in a loss of voters. Director Raley spoke in support of Scenario 4. President McDonald spoke in support of Scenario 6, particularly in regards to the inclusion of portions of Highland within Division 5. Director Stewart spoke of expected future changes to demographics due to in-process housing developments. President McDonald asked for information on the percentage of Loma Linda that is included in Division 1 in Scenario 6. Director Stewart suggested that staff meet with Director Longville individually to obtain feedback due to his absence during this item's discussion. Staff will bring back additional statistical information and scenarios to the Board.

It was moved by Vice President Corneille and seconded by Director Stewart to continue this matter and direct staff to create a new scenario based on Board feedback for review at the March 9 Public Hearing. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was absent from the vote.

President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes

5. CONSENT CALENDAR

President McDonald introduced this item for discussion. Vice President Corneille requested to pull Item C: Amendment 1 to the Mill Creek Groundwater Recharge Facility Operations & Maintenance Permitting Professional Services Contract with AECOM.

It was moved by Vice President Corneille and seconded by Director Stewart to approve the Consent Calendar: Item A: Board Minutes, January 12, 2022; Item B: Expenditure Report, January 2022; Item D: Resolution No. 595 Board Policy Manual Revisions; Item E: Resolution No. 596 Remote Meetings Per AB 361; Item F: Groundwater Assessment Report for July 1, 2021-December 31, 2021; and Item G: District Board Priorities for 2022. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was absent from the vote.

President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes

Vice President Corneille requested details on potential consequences for the District's permitting effort if the Mill Creek basins are determined to be wetlands. Mr. Cozad noted that there is some uncertainty given that Regional Board has not issued a permit under the current regulations; however, he indicated that if the basins are not classified as wetlands, then they will likely be considered as Water of the State, which will result in the requirement for additional permitting and mitigation.

It was moved by Vice President Corneille and seconded by Director Raley to approve the Consent Calendar: Item C: Amendment 1 to Mill Creek Groundwater Recharge Facility Operations & Maintenance Permitting Professional Services Contract with AECOM. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was absent from the vote.

President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes

6. COMMITTEE REPORTS/ACTION ITEMS

A. OPERATIONS COMMITTEE VERBAL REPORT

Vice President Corneille introduced this item for discussion. The Operations Committee meeting was held on February 4, 2022, and included a PowerPoint presentation by Manuel Colunga, Field Supervisor, on current field operations and maintenance activities. The design and construction of the new Mentone shop was sent out for a design/build bid; staff is negotiating with second lowest bidder, based on qualifications. He noted that the hoist has arrived and will be installed at the Mentone shop Friday. The Committee received an update on permitting for the Mill Creek Diversion project: staff is responding to comments from the regulatory agencies. Based on the permitting status, staff anticipates this project will be out to bid by this summer. Following major stormflows, maintenance on the Plunge Creek Conservation Project is proposed to restore additional habitat and repair the berm. Large equipment is needed to conduct some of the proposed maintenance, so the work period is planned for outside of the wet season. The Mill Creek Flow Meter project is delayed due to permitting. Agreement revisions are underway for the Exchange Plan. Engineering and staffing positions were mentioned and will be discussed in detail later in this agenda. Vice President Corneille complimented staff on the information provided to the Committee.

B. FINANCE & ADMINISTRATION COMMITTEE VERBAL UPDATE

Mr. Cozad provided a verbal report on the Finance & Administration Committee held on January 26, 2022. The Committee reviewed quarterly financial and investment reports, and discussed changes in yields. He discussed the CERBT Trust and possibilities for higher yields. The groundwater rate setting process was discussed at the Committee and the feedback received has been incorporated into the groundwater item included on today's agenda. Mr. Cozad discussed the Covid relief grant received by the District that will pay for the majority of the Redlands Plaza tenant arrearages. These funds were received directly by the District and have been allocated to the appropriate tenant accounts to reduce the amount of deferred rent due.

C. 2ND QUARTER ANNUAL UNAUDITED FINANCIALS FOR 2021-2022

It was moved by Director Raley and seconded by Vice President Corneille to approve the 2nd Quarter Unaudited Financial Reports for Fiscal Year 2021-2022. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes**

D. UNAUDITED FINANCIAL REPORT, JANUARY 2022

Mr. Cozad introduced this item for discussion, noting its inclusion on package page 48.

It was moved by Vice President Corneille and seconded by Director Stewart to approve the Unaudited Financial Reports from January 2022. The motion

carried 4-0, with all Board members present voting in the affirmative. Director Longville was noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes**

E. 2022 BOARD CALENDAR REVISIONS

This item was included on package page 55.

It was moved by Vice President Corneille and seconded by Director Raley. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes**

F. LAFCO SPECIAL DISTRICTS SELECTION COMMITTEE

Mr. Cozad introduced this item for discussion, noting its inclusion beginning package page 56. He noted that current special districts representative Mr. Curatalo will not be running for reelection this year. He asked if any Board member was interested in running for the Committee. Director Raley expressed interest in running for the alternate seat. The nomination paperwork must be submitted to LAFCO by February 14, 2022, at 5:00 p.m.

It was moved by Vice President Corneille and seconded by Director Stewart to nominate Director Raley for the LAFCO Special Districts Selection Committee alternate. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes**

G. PLUNGE AND OAK CREEK DIVERSION AND BASIN FEASIBILITY STUDY SUPPORT PROFESSIONAL SERVICES AWARD OF CONTRACT

Mr. Fogerson introduced this item for discussion, noting its inclusion beginning on package page 65. He said that the District received five proposals in response to its Request for Proposal for Plunge and Oak Creek Diversions and Basins Feasibility Study Support. Staff evaluated the proposals along with partner agencies and recommend CASC Engineering and Consulting, Inc. (CASC). The Operations Committee recommends CASC and supports approval of this contract.

It was moved by Vice President Corneille and second by Director Stewart to accept the proposal of CASC Engineering and Consulting, Inc., and authorize the General Manager to complete the negotiation of services and fees and execute a professional services agreement not to exceed \$786,880. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes**

H. DRAFT ENGINEERING INVESTIGATION REPORT FOR 2022

Ms. Scholte presented a PowerPoint presentation on the Draft 2022 Engineering Investigation (EI). This item is included in the package beginning on page 86. The annual change in storage for the Bunker Hill Basin decreased by 91,218 acre feet (AF) from last year. The accumulated change in storage is 577,403 AF down from full (in 1993). A comparison of water elevations from 2020 and 2021 was included. The estimated groundwater production for the previous water year (2020-2021) is 169,910 AF, and the estimated annual change in storage for the current water year (2021-2022) is a decrease of 79,611 AF based on the precipitation being 56% of normal. The estimated average annual change in storage for the upcoming water year (2022-2023) is a decrease of 5,862 AF. The estimated production for the upcoming water year (2022-2023) from within District boundaries is 9,708 AF for historically agricultural water use and 97,478 AF for non-agricultural water use. The estimated surface diversion for the upcoming water year (2022-2023) is 77,251 AF for the basin and 54,552 for the District, including water recharged by the Groundwater Council. The estimated replenishment required to maintain constant storage for the ensuing water year (2022-2023) is 131,182 AF for the basin and 113,048 AF for District. The total replenishment required to reach the 1993 full level is 788,196 AF for the upcoming water year. The Board thanked Ms. Scholte for her presentation and her work to develop the report.

It was moved by Director Raley and seconded by Director Stewart to receive and file the Draft Engineering Investigation Report for 2022. The motion carried 4-0, with all Board members present voting in the affirmative. Director Longville was noted absent from the vote.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Absent
Director Raley: Yes
Director Stewart: Yes**

I. BUDGET PLANNING FOR GROUNDWATER ENTERPRISE FOR 2022-2023, PROPOSED GROUNDWATER COUNCIL OPERATIONS & MAINTENANCE FEE AND ADVERTISED GROUNDWATER CHARGE

This item was included on package pages 107 to 118. Mr. Cozad stated that, following a review of operational costs, staff recommends the District advertise a five percent rate increase for Fiscal Year 2022-2023. The budget analysis is shown on package page 108 and the expenses and revenue are shown on package pages 114 to 117. Vice President Corneille inquired about mining revenue, and the need to adjust projections based on market conditions. Mr. Cozad said that he does not anticipate that

the current increase in production reflects a long-term trend, and therefore suggested that the District maintain its conservative mining revenue estimate. He said that District staff can request information from the mining companies regarding anticipated production for next year. Mr. Cozad continued his review of the budget, noting that the CPI-U for December 2021 is 7.1%; because the District included an additional 1% in last year's COLA to address anticipated inflation, the proposed budget for Fiscal Year 2022-2023 is 6.1%. The actual annualized wage growth between September and January was 8% for non-governmental entities, with staffing costs increasing due to limited availability. Based on these factors, Mr. Cozad noted that an analysis of the year-to-date financials shows an estimated cost increase for the groundwater charge rate and Groundwater Council revenue of 5%. He reviewed the preliminary groundwater charge revenue estimates on package page 118. He stated that there is currently approximately \$60,000 in the rate stabilization reserve currently, and that if there is no increase to the groundwater charge the District will be expected to utilize \$32,000 of that reserve in the upcoming fiscal year to cover operating expenses. President McDonald spoke in support of the recommended 5% increase.

It was moved by Director Raley and seconded by Vice President Corneille to advertise a 5% increase to the groundwater charge for 2022-2023. The motion carried 5-0, with all Board members present voting in the affirmative.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes**

Director Raley requested a status update of the sustainability charge collection from producers outside the District's boundaries that are not in the Groundwater Council, and therefore could benefit from the sustainability charge paid by others while not paying it themselves. Mr. Cozad reviewed the sustainability component of the groundwater charge and the Board's previous decision to phase in the sustainability charge over a five-year period. Director Raley expressed concern over the potential of overfunding the sustainability component. Discussion ensued regarding sustainability component of the groundwater charge. Director Longville stated that the District needs to be cautious about capping the amount of the sustainability charge that will be held in savings until water becomes available, which could result in the District incurring unpredictable costs in the future. Mr. Cozad indicated that the feedback from groundwater producers was that the District remain consistent with rate increases rather than have a large increase. He indicated that staff is working with partner agencies to identify a method for addressing Director Raley's concern over those that are benefiting from the sustainability component but not contributing.

It was moved by Vice President Corneille and seconded by Director Longville to approve an increase in the groundwater sustainability/replenishment rate to \$8 per acre foot for 2022-2023, representing the second phase of a five-year phase in implementation towards a rate of \$20 per acre foot. The motion carried 5-0, with all Board members present voting in the affirmative.

**President McDonald: Yes
Vice President Corneille: Yes**

Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes

J. STAFFING AND SUCCESSION PLAN STAFF CHANGES

Mr. Cozad introduced this item for discussion, noting its inclusion on package page 119. He stated that these staffing and transition changes were initially developed at the Board workshop held in October 2021. Mr. Cozad will retire in May 2022, and Ms. Miller is anticipated to assume the General Manager role at that time. Milan Mitrovich has been hired to fill Ms. Miller's position as she transitions to General Manager. Mr. Mitrovich will not have the additional duties of Assistant General Manager. His resume was provided to the Board for review. Erwin Fogerson will retire in March 2022; at this time, Katelyn Scholte will transition to a new Principal Engineer position. The District anticipates hiring two Assistant Engineers: one to replace Ms. Scholte and one of support additional Active Recharge Transfer Project (ARTP) tasks. The active positions and salaries were updated to reflect these proposed changes, with associated fiscal impacts shown on package page 122. Ultimately, these changes will result in a savings of \$6,500 to the District.

Mr. Cosgrove reviewed the retired annuitant position for Mr. Fogerson, who serves as the District's Senior Engineer/Project Manager. Mr. Fogerson will be retiring in March and will return as a retired annuitant working no more than 960 hours per fiscal year. Staff recommends that the Board make the appropriate findings to waive the standard 180-day waiting period required by CalPERS because the position is critical to success of the ARTPs. Mr. Cosgrove reviewed Mr. Fogerson's unique qualifications for this position. The retired annuitant position is temporary in nature, and will cease to exist once ARTP obligations are fulfilled and the Principal Engineer is fully trained. The additional Assistant Engineers will be hired to support ARTP tasks and Ms. Scholte's transition to Principal Engineer. Vice President Corneille said that the second Assistant Engineer position is premature. Mr. Cozad said that staff believes they have more than enough work to justify an additional Assistant Engineer.

It was moved by Director Raley and seconded by Director Longville to approve the Senior Engineer/Project Manager position transition to part time temporary retired annuitant position with reduced hours waiving the 180-day waiting period required by CalPERS; revise the Land Resource Manager II position to exclude the Assistant General Manager responsibilities; create a Principal Engineer position for District support; and add one Assistant Engineer position for ARTP needs. The motion carried 5-0, with all Board members present voting in the affirmative.

President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes

Vice President Corneille asked for details of the anticipated workload to justify hiring a second Assistant Engineer. He spoke in support of hiring this position next fiscal year, rather than immediately filling the role. Ms. Scholte said that one Assistant Engineer would focus on supporting ARTP and construction projects such as the Mill Creek diversion, Mill Creek flow meter, and the Mentone shop improvements. The second Assistant Engineer would be utilized for the Engineering Investigation Report, Groundwater Council, Salt and Nutrient Management Plan, and on-going support for biological staff such as GIS and CAD mapping. These tasks reflect the current workload that is expected to increase with the upcoming

ARTP feasibility studies. Director Raley spoke in support of adding an additional Assistant Engineer position, noting that the District would spend approximately the same amount while getting additional support for staff.

It was moved by Director Raley and seconded by Director Stewart to approve the second Assistant Engineer position for ARTP needs effective July 1. Director Longville moved to amend the motion for the second Assistant Engineer position to be effective May 1 and it was seconded by President McDonald. The amendment to the motion failed 2-3, with Vice President Corneille, Director Stewart and Raley in opposition.

**President McDonald: Yes
Vice President Corneille: No
Director Longville: Yes
Director Raley: No
Director Stewart: No**

It was moved by Director Raley and seconded by Director Stewart to approve the second Assistant Engineer position for ARTP needs effective July 1. The motion carried 4-1, with Vice President Corneille in opposition.

**President McDonald: Yes
Vice President Corneille: No
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes**

K. GENERAL MANAGER RETIREMENT DATE APPROVAL

Mr. Cosgrove introduced this item for discussion, noting its inclusion on package page 124. Mr. Cozad's retirement date is set for May 18, 2022.

It was moved by Director Longville and seconded by Director Raley to accept the General Manager's Retirement Date of May 18, 2022. The motion carried 5-0 with all present voting in the affirmative.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes**

L. BETSY MILLER GENERAL MANAGER EMPLOYMENT AGREEMENT

Mr. Cosgrove introduced this item for discussion, with the recommendation of the Ad Hoc Committee to approve Ms. Miller's transition into the General Manager position effective May 19, 2022. The item begins on package page 126, with the contract included on package page 128 to 137. President McDonald spoke in support of Ms. Miller. Director Longville expressed his high regard for staff and noted his support for the recommendation.

It was moved by Vice President Corneille and seconded by Director Longville to approve Betsy Miller's contract for the General Manager

position effective May 19, 2022, and to approve the General Manager agreement as presented. The motion carried 5-0 with all present voting in the affirmative.

President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes

7. INFORMATION ITEMS

A. WASH PLAN IMPLEMENTATION

Ms. Miller provided a verbal update. The second draft of our maintenance SAA that incorporates comments from the District on the initial draft permit provided in November was received from CDFW. Staff continues to have significant concerns related to the mitigation requirements and has requested a meeting with CDFW management. Staff will be meeting with the COE to discuss the public notice timing related to issuing their permits. Staff has responded to CDFW regarding their response related to the construction permit. CDFW has issued a letter to the District stating that its 2081 application has been deemed complete. A draft permit should be received by April 18, 2022. Ms. Miller said that Mr. Mitrovich will begin February 16. Mr. Cosgrove said that the BLM land appraisal process is stalled following the identification of an issue with the scope of work by the appraisal directorate. He has responded to questions and concerns and is waiting to hear back. Staff hopes to have the appraiser review completed by the end of March. This item was received and filed.

B. WASH PLAN TRAILS STATUS REPORT

Mr. Cozad introduced this item for discussion, noting its inclusion on page 138. He said that the trails MOU is anticipated to be on the Redlands City Council agenda for March.

C. ACTIVE RECHARGE TRANSFER PROJECTS STATUS REPORT NO. 9

This item was included on package page 140. Mr. Fogerson said that the second payment installment of approximately \$16,000,000 has been received from Valley Municipal.

D. MENTONE SHOP IMPROVEMENT STATUS REPORT

The written report for this item is included on package page 144. Mr. Fogerson said that the crane will be installed this Friday. He is working with the second lowest bidder to negotiate a contract and indicated that the majority of the bids received were incomplete. This item was received and filed.

E. GENERAL MANAGER'S REPORT AND MONTHLY RECHARGE REPORT

Mr. Cozad indicated that the written General Manager's Report was included in the Board package on pages 144 through 148. The Covid grant relief breakdown is included on package page 149. The Monthly Recharge Report was included on package page 150. This item was received and filed.

F. FUTURE AGENDA ITEMS AND STAFF TASKS

Director Raley requested an update on the River HCP.

8. MONTHLY BOARD MEMBER MEETING REPORTS AND/OR BOARD MEMBER COMMENTS

Director Stewart attended the Basin Technical Advisory Committee (BTAC) on February 7, the Operations Committee on February 4 and Special Board Meeting on February 2. He attended the Finance & Administration Committee on January 26, Big Bear Watermaster Committee on January 18 and Replenish Big Bear Meeting on January 17 where they discussed cloud seeding.

Vice President Corneille chaired the Operations Committee on February 4 and attended the Special Board Meeting on February 2. He also attended the ASBCSD dinner meeting on January 24th.

Director Raley attended the BTAC on February 7, Valley Municipal Board meeting on January 18 and February 1. He attended the Valley Municipal Engineering Workshop on February 8, Valley Municipal Resources Workshop on February 3, Valley Municipal Policy Workshop on January 13 and Finance & Administration Committee on January 26. He attended the Special Board Meeting on February 2 and signed District expenditures on January 18.

Director Longville attended the Special Board Meeting on February 2, Finance & Administration Committee on January 26 and legislative meeting on January 19. He attended the Ad Hoc Succession & Transition Planning Committee meeting on January 18 and memorial service for Margaret Hill on January 22.

President McDonald Valley Municipal Engineering Workshop on February 8, the BTAC on February 7, Valley Municipal Resources Workshop on February 3 and Special Board Meeting on February 2. She attended the Valley Municipal Board meeting on January 18 and February 1, ACWA State Legislative Committee on January 28, Association of San Bernardino County Special Districts Dinner (ASBCSD) on January 24 and ASBCSD Board meeting on January 17. She attended the Valley Municipal Policy Workshop on January 13.

9. UPCOMING MEETINGS

There were none discussed.

10. CLOSED SESSION

It was moved by Director Stewart and seconded by Director Longville to adjourn to Closed Session. The motion carried 5-0, with all Directors present voting in the affirmative.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes**

General Counsel announced that the meeting would adjourn to a closed session to discuss posted agenda items two and three.

At 4:53 p.m. the meeting reconvened into open session. Mr. Cosgrove noted that there was no reportable action during closed session.

11. ADJOURN MEETING

It was moved by Vice President Corneille and seconded by Director Stewart to adjourn. The motion carried 5-0, with all Directors present voting in the affirmative.

**President McDonald: Yes
Vice President Corneille: Yes
Director Longville: Yes
Director Raley: Yes
Director Stewart: Yes**

At 4:56 p.m. the meeting adjourned to the Board meeting scheduled for 1:30 p.m. on March 9, 2022, in-person, teleconference, and Zoom meeting.

Daniel B. Cozad
General Manager

San Bernardino Valley Water Conservation District Expenditure Report February 2022

Num	Date	Name	Account	Class	Original Amount
PD By Phone	02/14/2022	Citizens Business Bank	1012 · Citizens Busine...		-5,500.00
			6027 · Computer Softw...	4-General Fund Ent.	116.23
			6027 · Computer Softw...	1-Groundwater Ent.	7.75
			6027 · Computer Softw...	2-Redlands Plaza/...	15.50
			6027 · Computer Softw...	3-Land Resources	15.50
			6060 · Outreach	4-General Fund Ent.	4.41
			6060 · Outreach	1-Groundwater Ent.	3.53
			6060 · Outreach	3-Land Resources	5.86
			6060 · Outreach	5-Wash Plan	1.19
			6060 · Outreach	6-Active Recharge ...	2.65
			6430 · Lodging	4-General Fund Ent.	1,177.38
			6435 · Conf/Seminar R...	4-General Fund Ent.	2,250.00
			6535 · Conf/Seminar R...	4-General Fund Ent.	855.00
			6535 · Conf/Seminar R...	1-Groundwater Ent.	665.00
			6535 · Conf/Seminar R...	3-Land Resources	380.00
TOTAL					5,500.00
PC 02.09.22	02/09/2022	Paychex	1012 · Citizens Busine...		-125.26
			6042 · Payroll Processing	4-General Fund Ent.	125.26
TOTAL					125.26
PC 02.23.22	02/23/2022	Paychex	1012 · Citizens Busine...		-123.66
			6042 · Payroll Processing	4-General Fund Ent.	123.66
TOTAL					123.66
ACH0227	02/08/2022	Melody McDonald	1012 · Citizens Busine...		-28.08
			6410 · Mileage	4-General Fund Ent.	28.08
TOTAL					28.08
23302	02/01/2022	AAA Alarm Systems, Inc.	1012 · Citizens Busine...		-258.00
	02/01/2022		5410 · Alarm Service	4-General Fund Ent.	129.00
			5410 · Alarm Service	1-Groundwater Ent.	129.00
TOTAL					258.00
23303	02/01/2022	Aaron Pederson	1012 · Citizens Busine...		-35.00
	01/28/2022		6018 · Janitorial Services	4-General Fund Ent.	35.00
TOTAL					35.00
23304	02/01/2022	Advanced Engineering ...	1012 · Citizens Busine...		-600.00
	01/18/2022		6027 · Computer Softw...	6-Active Recharge ...	600.00
TOTAL					600.00
23305	02/01/2022	Assoc. San Bernardino...	1012 · Citizens Busine...		-70.00
	01/25/2022		6425 · Meals	4-General Fund Ent.	70.00
TOTAL					70.00

San Bernardino Valley Water Conservation District Expenditure Report February 2022

Num	Date	Name	Account	Class	Original Amount
23306	02/01/2022	Citizens Business Bank	1012 · Citizens Busine...		-1,067.64
	01/12/2022		5215 · Property Mainte...	1-Groundwater Ent.	50.00
			5310 · Vehicle Mainten...	1-Groundwater Ent.	122.62
			6001 · General Adminis...	4-General Fund Ent.	117.53
			6001 · General Adminis...	1-Groundwater Ent.	117.53
			6002 · Website Adminis...	4-General Fund Ent.	365.00
			6027 · Computer Softw...	4-General Fund Ent.	116.24
			6027 · Computer Softw...	1-Groundwater Ent.	7.75
			6027 · Computer Softw...	2-Redlands Plaza/...	15.50
			6027 · Computer Softw...	3-Land Resources	15.50
			6030 · Office Supplies	4-General Fund Ent.	53.18
			6030 · Office Supplies	1-Groundwater Ent.	3.32
			6030 · Office Supplies	2-Redlands Plaza/...	6.65
			6030 · Office Supplies	3-Land Resources	3.32
			6039 · Postage and Ov...	4-General Fund Ent.	8.50
			6425 · Meals	4-General Fund Ent.	65.00
TOTAL					1,067.64
23307	02/01/2022	David Cosgrove	1012 · Citizens Busine...		-577.08
	01/26/2022		6001 · General Adminis...	4-General Fund Ent.	288.54
			6001 · General Adminis...	1-Groundwater Ent.	288.54
TOTAL					577.08
23308	02/01/2022	David Ollis Landscape ...	1012 · Citizens Busine...		-3,100.00
	12/17/2021		6026 · Redlands Plaza ...	2-Redlands Plaza/...	3,100.00
TOTAL					3,100.00
23309	02/01/2022	Day Lite Maintenance, I...	1012 · Citizens Busine...		-26.99
	01/24/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	26.99
TOTAL					26.99
23310	02/01/2022	Echelon Chem, Inc.	1012 · Citizens Busine...		-390.58
	01/31/2022		5215 · Property Mainte...	1-Groundwater Ent.	312.46
			5215 · Property Mainte...	3-Land Resources	78.12
TOTAL					390.58
23311	02/01/2022	Frontier-7275	1012 · Citizens Busine...		-117.55
	01/19/2022		5440 · Telephone	4-General Fund Ent.	29.79
			5440 · Telephone	1-Groundwater Ent.	12.77
			5470 · Internet Services	4-General Fund Ent.	37.50
			5470 · Internet Services	1-Groundwater Ent.	22.50
			5470 · Internet Services	2-Redlands Plaza/...	3.75
			5470 · Internet Services	3-Land Resources	11.24
TOTAL					117.55
23312	02/01/2022	JAN-PRO Cleaning Sys...	1012 · Citizens Busine...		-700.00
	02/01/2022		6018 · Janitorial Services	4-General Fund Ent.	700.00
TOTAL					700.00

San Bernardino Valley Water Conservation District
Expenditure Report
February 2022

03/01/22

<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Class</u>	<u>Original Amount</u>
23313	02/01/2022	Lowe's Companies, Inc.	1012 · Citizens Busine...		-108.74
	01/25/2022		5210 · Equipment Maint...	1-Groundwater Ent.	21.98
			5215 · Property Mainte...	1-Groundwater Ent.	19.62
			6012 · Office Maintenan...	2-Redlands Plaza/...	67.14
TOTAL					108.74
23314	02/01/2022	Netsteller	1012 · Citizens Busine...		-207.25
	02/01/2022		6027 · Computer Softw...	4-General Fund Ent.	155.44
			6027 · Computer Softw...	2-Redlands Plaza/...	20.73
			6027 · Computer Softw...	3-Land Resources	20.73
			6027 · Computer Softw...	1-Groundwater Ent.	10.35
TOTAL					207.25
23315	02/01/2022	Quill Corporation	1012 · Citizens Busine...		-151.70
	01/28/2022		6030 · Office Supplies	4-General Fund Ent.	121.35
			6030 · Office Supplies	1-Groundwater Ent.	7.59
			6030 · Office Supplies	2-Redlands Plaza/...	15.17
			6030 · Office Supplies	3-Land Resources	7.59
TOTAL					151.70
23316	02/01/2022	ReadyRefresh by Nestle	1012 · Citizens Busine...		-35.93
	01/25/2022		5460 · Water / Trash / ...	4-General Fund Ent.	17.97
			5460 · Water / Trash / ...	1-Groundwater Ent.	14.37
			5460 · Water / Trash / ...	3-Land Resources	3.59
TOTAL					35.93
23317	02/01/2022	Redlands Plumbing, Inc.	1012 · Citizens Busine...		-6,200.00
	01/20/2022		6016 · Redlands Plaza ...	2-Redlands Plaza/...	6,200.00
TOTAL					6,200.00
23318	02/01/2022	Redlands Tire Pros & S...	1012 · Citizens Busine...		-787.61
	12/21/2021		5310 · Vehicle Mainten...	1-Groundwater Ent.	787.61
TOTAL					787.61
23319	02/01/2022	Smart & Final	1012 · Citizens Busine...		-130.97
	01/27/2022		6019 · Janitorial Supplies	4-General Fund Ent.	30.32
			6019 · Janitorial Supplies	1-Groundwater Ent.	20.22
			6004 · Meeting Expenses	4-General Fund Ent.	40.21
			6004 · Meeting Expenses	3-Land Resources	40.22
TOTAL					130.97
23320	02/01/2022	Stanley Convergent Se...	1012 · Citizens Busine...		-425.28
	01/10/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	425.28
TOTAL					425.28

San Bernardino Valley Water Conservation District Expenditure Report February 2022

Num	Date	Name	Account	Class	Original Amount
23321	02/01/2022	The Alarm and Sprinkle...	1012 · Citizens Busine...		-490.00
	12/15/2021		6016 · Redlands Plaza ...	2-Redlands Plaza/...	490.00
TOTAL					490.00
23322	02/01/2022	The Gas Company	1012 · Citizens Busine...		-378.17
	01/18/2022		5450 · Natural Gas	4-General Fund Ent.	226.90
			5450 · Natural Gas	1-Groundwater Ent.	151.27
TOTAL					378.17
23323	02/01/2022	Water Systems Consult...	1012 · Citizens Busine...		-5,160.00
	12/31/2021		5120 · Misc. Profession...	1-Groundwater Ent.	5,160.00
TOTAL					5,160.00
23324	02/01/2022	WEX Bank-Valero	1012 · Citizens Busine...		-166.79
	01/23/2022		5320 · Fuel	1-Groundwater Ent.	166.79
TOTAL					166.79
23325	02/10/2022	Amped Electric	1012 · Citizens Busine...		-575.00
	02/02/2022		7140 · Mentone Propert...	1-Groundwater Ent.	575.00
TOTAL					575.00
23326	02/15/2022	ACWA/JPIA-Health	1012 · Citizens Busine...		-19,557.94
	02/04/2022		6110 · Vision Insurance	4-General Fund Ent.	30.76
			6110 · Vision Insurance	1-Groundwater Ent.	106.47
			6110 · Vision Insurance	2-Redlands Plaza/...	9.46
			6110 · Vision Insurance	3-Land Resources	23.66
			6110 · Vision Insurance	5-Wash Plan	16.56
			6110 · Vision Insurance	6-Active Recharge ...	49.69
			6130 · Dental Insurance	4-General Fund Ent.	110.42
			6130 · Dental Insurance	1-Groundwater Ent.	382.23
			6130 · Dental Insurance	2-Redlands Plaza/...	33.98
			6130 · Dental Insurance	3-Land Resources	84.94
			6130 · Dental Insurance	5-Wash Plan	59.46
			6130 · Dental Insurance	6-Active Recharge ...	178.37
			6150 · Medical Insurance	4-General Fund Ent.	2,401.35
			6150 · Medical Insurance	1-Groundwater Ent.	8,312.37
			6150 · Medical Insurance	2-Redlands Plaza/...	738.88
			6150 · Medical Insurance	3-Land Resources	1,847.19
			6150 · Medical Insurance	5-Wash Plan	1,293.04
			6150 · Medical Insurance	6-Active Recharge ...	3,879.11
TOTAL					19,557.94
23327	02/15/2022	AECOM Technical Serv...	1012 · Citizens Busine...		-15,746.25
	02/01/2022		5122 · Wash Plan Profe...	5-Wash Plan	15,746.25
TOTAL					15,746.25

San Bernardino Valley Water Conservation District Expenditure Report February 2022

Num	Date	Name	Account	Class	Original Amount
23328	02/15/2022	American Power Security	1012 · Citizens Busine...		-2,610.00
	11/30/2021		6026 · Redlands Plaza ...	2-Redlands Plaza/...	820.00
	01/05/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	820.00
	02/06/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	970.00
TOTAL					2,610.00
23329	02/15/2022	Beach Boyz Auto Service	1012 · Citizens Busine...		-1,365.81
	01/28/2022		5310 · Vehicle Mainten...	1-Groundwater Ent.	283.86
	02/03/2022		5310 · Vehicle Mainten...	1-Groundwater Ent.	160.64
	02/08/2022		5310 · Vehicle Mainten...	1-Groundwater Ent.	921.31
TOTAL					1,365.81
23330	02/15/2022	Burgeson's Heating & ...	1012 · Citizens Busine...		-420.00
	02/02/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	420.00
TOTAL					420.00
23331	02/15/2022	Castro Landscaping Se...	1012 · Citizens Busine...		-250.00
	01/30/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	250.00
TOTAL					250.00
23332	02/15/2022	City of Redlands -Muni...	1012 · Citizens Busine...		-2,275.84
	02/03/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	2,275.84
TOTAL					2,275.84
23333	02/15/2022	Corneille, Richard	1012 · Citizens Busine...		-32.18
	01/31/2022		6410 · Mileage	4-General Fund Ent.	32.18
TOTAL					32.18
23334	02/15/2022	Diamond Environment...	1012 · Citizens Busine...		-88.78
	01/31/2022		5460 · Water / Trash / ...	4-General Fund Ent.	44.39
			5460 · Water / Trash / ...	1-Groundwater Ent.	35.51
			5460 · Water / Trash / ...	3-Land Resources	8.88
TOTAL					88.78
23335	02/15/2022	Edison - 6256 (Redland...	1012 · Citizens Busine...		-206.08
	01/31/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	206.08
TOTAL					206.08
23336	02/15/2022	Edison - 6493	1012 · Citizens Busine...		-56.97
	02/09/2022		5420 · Electricity	4-General Fund Ent.	15.96
			5420 · Electricity	1-Groundwater Ent.	11.39
			5420 · Electricity	2-Redlands Plaza/...	29.62
TOTAL					56.97

San Bernardino Valley Water Conservation District
Expenditure Report
February 2022

03/01/22

<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Class</u>	<u>Original Amount</u>
23337	02/15/2022	Edison - 8958	1012 · Citizens Busine...		-309.29
	02/07/2022		5420 · Electricity	4-General Fund Ent.	86.60
			5420 · Electricity	1-Groundwater Ent.	61.86
			5420 · Electricity	2-Redlands Plaza/...	160.83
TOTAL					309.29
23338	02/15/2022	Edison - 9779	1012 · Citizens Busine...		-253.36
	01/31/2022		5420 · Electricity	4-General Fund Ent.	70.94
			5420 · Electricity	1-Groundwater Ent.	50.67
			5420 · Electricity	2-Redlands Plaza/...	131.75
TOTAL					253.36
23339	02/15/2022	Empire Disposal	1012 · Citizens Busine...		-173.39
	01/31/2022		5460 · Water / Trash / ...	4-General Fund Ent.	86.70
			5460 · Water / Trash / ...	1-Groundwater Ent.	69.35
			5460 · Water / Trash / ...	3-Land Resources	17.34
TOTAL					173.39
23340	02/15/2022	Frontier-4860	1012 · Citizens Busine...		-429.40
	01/28/2022		5440 · Telephone	4-General Fund Ent.	234.09
			5440 · Telephone	1-Groundwater Ent.	100.33
			5470 · Internet Services	4-General Fund Ent.	47.49
			5470 · Internet Services	1-Groundwater Ent.	28.49
			5470 · Internet Services	2-Redlands Plaza/...	4.75
			5470 · Internet Services	3-Land Resources	14.25
TOTAL					429.40
23341	02/15/2022	Home Depot Credit Ser...	1012 · Citizens Busine...		-210.25
	01/28/2022		5210 · Equipment Maint...	1-Groundwater Ent.	210.25
TOTAL					210.25
23342	02/15/2022	Nationwide Legal, LLC	1012 · Citizens Busine...		-579.85
	01/31/2022		5120 · Misc. Profession...	2-Redlands Plaza/...	579.85
TOTAL					579.85
23343	02/15/2022	Sonoma County Water ...	1012 · Citizens Busine...		-500.00
	01/31/2022		6060 · Outreach	4-General Fund Ent.	175.00
			6060 · Outreach	1-Groundwater Ent.	125.00
			6060 · Outreach	3-Land Resources	166.25
			6060 · Outreach	5-Wash Plan	33.75
TOTAL					500.00
23344	02/15/2022	Terminix	1012 · Citizens Busine...		-86.00
	01/31/2022		6026 · Redlands Plaza ...	2-Redlands Plaza/...	86.00
TOTAL					86.00

San Bernardino Valley Water Conservation District
Expenditure Report
February 2022

<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Class</u>	<u>Original Amount</u>
23345	02/15/2022	United Site Services	1012 · Citizens Busine...		-345.06
	02/07/2022		5223 · Temp. Field Labor	1-Groundwater Ent.	345.06
TOTAL					345.06
23346	02/15/2022	Water Education Foun...	1012 · Citizens Busine...		-2,000.00
	02/04/2022		6093 · Memberships	4-General Fund Ent.	2,000.00
TOTAL					2,000.00
23347	02/15/2022	Water Systems Consult...	1012 · Citizens Busine...		-1,411.25
	01/31/2022		5120 · Misc. Profession...	1-Groundwater Ent.	1,411.25
TOTAL					1,411.25
23348	02/15/2022	Watermaster Support S...	1012 · Citizens Busine...		-2,100.00
	02/07/2022		5120 · Misc. Profession...	4-General Fund Ent.	630.00
			5120 · Misc. Profession...	1-Groundwater Ent.	441.00
			5120 · Misc. Profession...	3-Land Resources	1,029.00
TOTAL					2,100.00
23349	02/15/2022	WEX Bank-Shell	1012 · Citizens Busine...		-426.76
	02/06/2022		5320 · Fuel	1-Groundwater Ent.	426.76
TOTAL					426.76
23350	02/15/2022	Wilbur's	1012 · Citizens Busine...		-332.02
	01/31/2022		5215 · Property Mainte...	1-Groundwater Ent.	211.79
			5215 · Property Mainte...	3-Land Resources	52.95
	02/02/2022		5210 · Equipment Maint...	1-Groundwater Ent.	67.28
TOTAL					332.02
23351	02/15/2022	Xerox Financial Services	1012 · Citizens Busine...		-337.44
	02/02/2022		6033 · Office Equipmen...	4-General Fund Ent.	253.08
			6033 · Office Equipmen...	1-Groundwater Ent.	16.87
			6033 · Office Equipmen...	2-Redlands Plaza/...	50.62
			6033 · Office Equipmen...	3-Land Resources	16.87
TOTAL					337.44
23352	02/15/2022	The Readmond Compa...	1012 · Citizens Busine...		-850.00
	02/15/2022		5120 · Misc. Profession...	1-Groundwater Ent.	425.00
			5120 · Misc. Profession...	3-Land Resources	425.00
TOTAL					850.00
23353	02/17/2022	Best Buy	1012 · Citizens Busine...		-4,841.21
			6024 · Computer Equip ...	4-General Fund Ent.	4,841.21
TOTAL					4,841.21

San Bernardino Valley Water Conservation District
Expenditure Report
February 2022

03/01/22

<u>Num</u>	<u>Date</u>	<u>Name</u>	<u>Account</u>	<u>Class</u>	<u>Original Amount</u>
23367	02/10/2022	City of Loma Linda	1012 · Citizens Busine...		-1,592.00
45	06/03/2021		4024 · Groundwater Co...	1-Groundwater Ent.	1,592.00
TOTAL					1,592.00
100295N	02/09/2022	PERS	1012 · Citizens Busine...		-13,051.99
			6170 · PERS Retirement	4-General Fund Ent.	1,696.75
			6170 · PERS Retirement	1-Groundwater Ent.	5,873.40
			6170 · PERS Retirement	2-Redlands Plaza/...	522.08
			6170 · PERS Retirement	3-Land Resources	1,305.20
			6170 · PERS Retirement	5-Wash Plan	913.64
			6170 · PERS Retirement	6-Active Recharge ...	2,740.92
TOTAL					13,051.99
100296N	02/14/2022	PERS	1012 · Citizens Busine...		-12,059.88
			6170 · PERS Retirement	4-General Fund Ent.	1,567.78
			6170 · PERS Retirement	1-Groundwater Ent.	5,426.95
			6170 · PERS Retirement	2-Redlands Plaza/...	482.40
			6170 · PERS Retirement	3-Land Resources	1,205.99
			6170 · PERS Retirement	5-Wash Plan	844.19
			6170 · PERS Retirement	6-Active Recharge ...	2,532.57
TOTAL					12,059.88
100297N	02/24/2022	PERS	1012 · Citizens Busine...		-19,414.45
			6170 · PERS Retirement	4-General Fund Ent.	2,523.88
			6170 · PERS Retirement	1-Groundwater Ent.	8,736.50
			6170 · PERS Retirement	2-Redlands Plaza/...	776.58
			6170 · PERS Retirement	3-Land Resources	1,941.45
			6170 · PERS Retirement	5-Wash Plan	1,359.01
			6170 · PERS Retirement	6-Active Recharge ...	4,077.03
TOTAL					19,414.45

San Bernardino Valley Water Conservation District
Director Fees Expenditure Payroll Report
 February 2022

Pay Date	Name	For Period	Director Fees	Taxes Withheld	Check Amt
2/9/2022	Corneille, R	Jan-22	\$ 738.00	\$ 64.58	\$ 673.42
2/9/2022	McDonald, M	Jan, Feb 2022	\$ 984.00	\$ 86.11	\$ 897.89
2/9/2022	Longville, J	Jul-Dec 2021	\$ 3,760.00	\$ 1,747.92	\$ 2,012.08
2/23/2022	Stewart, B	Dec 21, Jan 22	\$ 2,181.00	\$ 412.79	\$ 1,768.21

RESOLUTION NO. 598

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT REGARDING A STATE OF EMERGENCY AND AUTHORIZING REMOTE TELECONFERENCE MEETINGS OF THE DISTRICT'S BOARD OF DIRECTORS FOR THE THIRTY DAY PERIOD BEGINNING MARCH 11, 2022, PURSUANT TO BROWN ACT PROVISIONS.

WHEREAS, the San Bernardino Valley Water Conservation District ("District") is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of the District's Board of Directors are open and public, as required by the Ralph M. Brown Act (Cal. Gov. Code secs. 54950 et seq.), so that any member of the public may attend, participate, and watch the District's Board conduct its business; and

WHEREAS, the Brown Act, Government Code section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency exists caused by conditions as described in Government Code section 8558; and

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the District's boundaries, caused by natural, technological, or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions now exist in the District, specifically, the District remains in an emergency state with respect to COVID-19, particularly given the impact of the highly contagious Omicron variant. As of February 22, 2022, 2021, the San Bernardino County Public Health Administration has reported 563,301 confirmed cases of COVID-19, resulting in 6364 deaths. Statewide, the total cases were 4,476,388, and deaths totaled 68,387. That same agency reports the percentage of eligible persons to receive the vaccine who are fully vaccinated is only 57%, and continues to recommend social distancing measures to prevent the spread of the infectious virus, particularly among unvaccinated persons.

WHEREAS, the Board of Directors does hereby find that ongoing threats of infection from COVID-19, particularly given the complicating factors of the highly contagious omicron variant, and the impact of it and all other COVID-19 virus strains upon segments of the population, especially the unvaccinated, has caused, and will continue to cause, conditions of peril to the safety of persons within the District that are likely to be beyond the control of services, personnel, equipment, and facilities of the District; and

WHEREAS, as a consequence of the emergency, the Board of Directors does hereby find that it shall conduct its meetings without compliance with paragraph (3) of subdivision (b) of Government Code section 54953, as authorized by subdivision (e) of section 54953, and that the District shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of section 54953; and

WHEREAS, the District is making its meetings open and accessible to the public through Zoom telephonic and internet-based remote participation vehicles, and in the conduct of its meetings, will comply with the restrictions upon same set out in the newly-enacted A.B. 361, and its amendments to Government Code section 54953;

NOW, THEREFORE, THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Proclamation of Local Emergency. The Board hereby finds that a local emergency now exists throughout the District in connection with COVID-19 and its continuing risk of infection transmission, particularly in indoor spaces among unvaccinated persons; and

Section 3. Remote Teleconference Meetings. The staff and General Manager of the District are hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution,

including conducting open and public meetings in accordance with Government Code section 54953(e) and other applicable provisions of the Brown Act

Section 4. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until the earlier of April 11, 2022, or such time the Board of Directors adopts a subsequent resolution in accordance with Government Code section 54953(e)(3) to extend the time during which the Board may continue to teleconference without compliance with paragraph (3) of subdivision (b) of section 54953.

PASSED AND ADOPTED by the Board of Directors of the San Bernardino Valley Water Conservation District this 9th day of March 2022, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Melody McDonald, President

ATTEST:

Daniel B. Cozad, Secretary



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1844

To: Board of Directors
From: Betsy Miller, Assistant General Manager
Date: March 9, 2022
Subject: Unaudited Financial Reports for February 2022

RECOMMENDATION

Review and approve the unaudited financial report for February 2022.

BACKGROUND

Staff provides a monthly presentation of the District's unaudited financial reports. The reports presented today are as of February 28, 2022.

DISCUSSION

Interest income continues to be below budgeted levels due to uncertainty in the market. The majority of Groundwater production has been reported, with approximately \$6,000 expected from remaining producers. A large portion of GL 4025 Wash Plan Revenue includes expenses to complete the land exchange as well as state permitting fees, some of which will be reimbursed. Wash Plan revenue in the form of District loans includes state permitting fees. GL 6006-Permits includes the District's portion of WP state permitting fees. Reimbursed expenses include payments from the Conservation Trust for District staff time to work on Community Mitigation projects. GL 6026 CAM expenses are higher than expected in part due to increased vendor pricing. General Administration expenses are slightly higher due to needs of new staff. All other expenses are as expected.

FISCAL IMPACT

There is no fiscal impact from reporting the financial status of the District.

POTENTIAL MOTIONS

1. Move approval of the Unaudited Financials for February 2022 as presented.
2. Move to request this item be tabled and referred to Finance & Administration Committee for reconsideration of specific issues discussed.

ATTACHMENTS OR MATERIALS

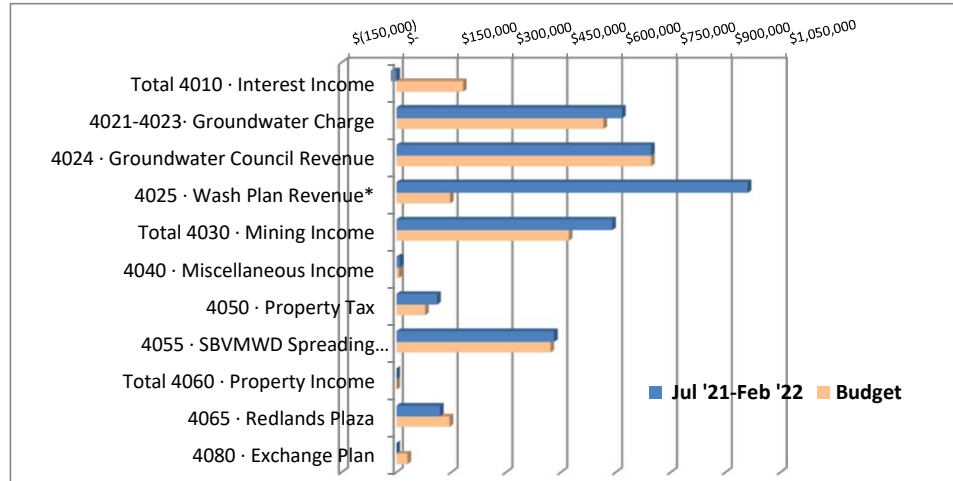
Graph Financials for February 2022
Profit & Loss to Date vs. Annual Budget

SBVWCD - All Enterprises Budget and Actual

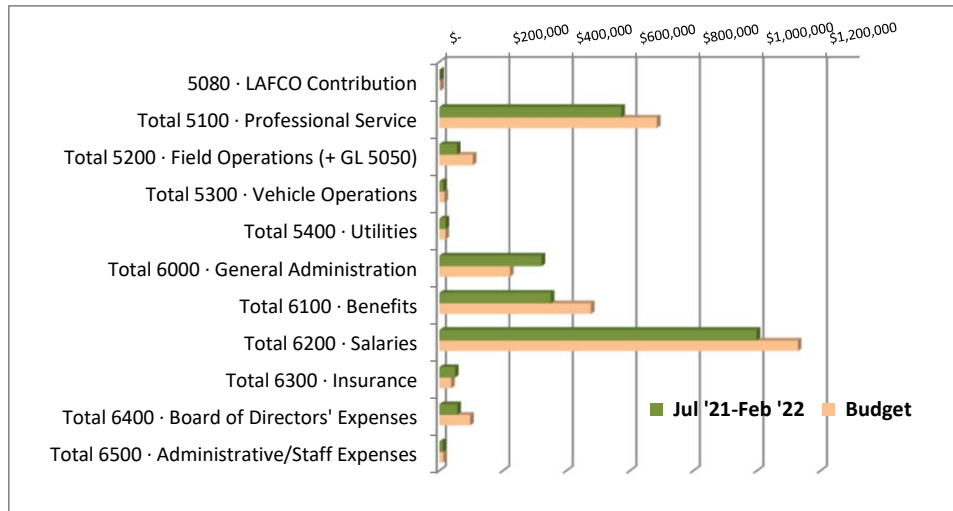
February 2022

REVENUE	Jul '21-Feb '22	Budget
Total 4010 · Interest Income	\$ (15,129)	\$ 182,307
4021-4023· Groundwater Charge	\$ 617,332	\$ 566,495
4024 · Groundwater Council Revenue	\$ 696,802	\$ 696,800
4025 · Wash Plan Revenue*	\$ 960,944	\$ 146,667
Total 4030 · Mining Income	\$ 590,701	\$ 472,000
4040 · Miscellaneous Income	\$ 9,406	\$ 6,667
4050 · Property Tax	\$ 111,463	\$ 78,491
4055 · SBVMWD Spreading Agreement	\$ 431,811	\$ 421,846
Total 4060 · Property Income	\$ 100	\$ 100
4065 · Redlands Plaza	\$ 119,070	\$ 145,358
4080 · Exchange Plan	\$ -	\$ 30,000
Total Revenue	\$ 3,522,500	\$ 2,746,729

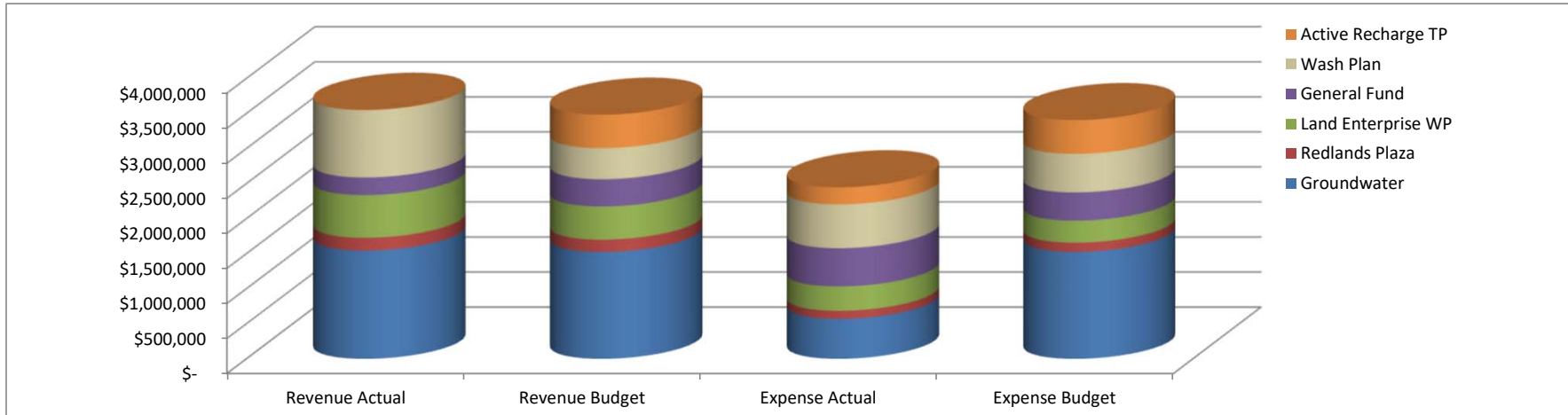
*District loans to the WP & State Permitting payments



EXPENSES Operating and Capital	Jul '21-Feb '22	Budget
5080 · LAFCO Contribution	\$ 2,419	\$ 2,419
Total 5100 · Professional Service	\$ 572,811	\$ 684,867
Total 5200 · Field Operations (+ GL 5050)	\$ 55,090	\$ 104,801
Total 5300 · Vehicle Operations	\$ 12,141	\$ 15,419
Total 5400 · Utilities	\$ 19,134	\$ 18,662
Total 6000 · General Administration	\$ 321,693	\$ 221,739
Total 6100 · Benefits	\$ 350,411	\$ 477,219
Total 6200 · Salaries	\$ 998,867	\$ 1,128,480
Total 6300 · Insurance	\$ 48,992	\$ 36,803
Total 6400 · Board of Directors' Expenses	\$ 56,432	\$ 96,601
Total 6500 · Administrative/Staff Expenses	\$ 10,539	\$ 12,189
Total Expense	\$ 2,448,529	\$ 2,799,199



Enterprises to Date (February 2022)



Enterprise	Actual	Budget	% of Budget
Groundwater Revenue	\$ 1,544,929	\$ 1,525,310	101%
Groundwater Expense	\$ 570,815	\$ 950,012	60%
Revenue -Expense	\$ 974,114	\$ 575,299	
Redlands Plaza Revenue	\$ 182,418	\$ 175,395	104%
Redlands Plaza Expense	\$ 114,982	\$ 132,135	87%
Revenue -Expense	\$ 67,437	\$ 43,260	
Land Enterprise Revenue	\$ 608,664	\$ 473,667	129%
Land Enterprise Expense	\$ 347,673	\$ 314,001	111%
Revenue -Expense	\$ 260,991	\$ 159,665	
General Fund Revenue *	\$ 251,663	\$ 388,628	65%
General Fund Expense	\$ 545,290	\$ 403,598	135%
Revenue -Expense	\$ (293,627)	\$ (14,970)	
Wash Plan Revenue	\$ 960,944	\$ 442,917	217%
Wash Plan Expense	\$ 624,606	\$ 548,879	114%
Revenue-Expense	336,338	(105,963)	
Active Recharge TP Revenue	\$ 4,884	\$ 477,000	1%
Active Recharge TP Expense	\$ 243,786	\$ 482,241	51%
Revenue-Expense	\$ (238,902)	\$ (5,241)	
Total All Revenue - Expense	\$ 1,106,351	\$ 652,051	

Cash Status	As of 7/1/2021	As of 02/28/2022
LAIF	\$ 430,623.48	\$ 18,868,485.76
Cal Trust	\$ 3,222,408.78	\$ 3,213,114.35
Citizens Bank	\$ 2,306,531.33	\$ 2,385,569.45
UBS Financial Services	\$ 500,681.82	\$ 987,823.73
US Bank-CAMP	\$ 18,754,702.89	\$ 18,761,215.44
Total Cash	\$ 25,214,948.30	\$ 44,216,208.73
Less Prepaid Royalty	\$ (5,000,000.00)	\$ (5,000,000.00)
Less ARTP Obligation	\$ (18,437,500.00)	\$ (36,579,332.52)
Cash Position	\$ 1,777,448.30	\$ 2,636,876.21

Increase (decrease) of \$859,427.91
Percent Increase 48.4%

* General Fund Revenue shown here does not include overhead

San Bernardino Valley Water Conservation District
Profit & Loss To Date vs. Annual Budget

	<u>Jul '21 - Feb 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense				
Income				
4010 · Interest Income				
4012 · LAIF	510.69	4,000.00	-3,489.31	12.77%
4013 · Caltrust Investment Income	-9,294.43	25,600.00	-34,894.43	-36.31%
4015 · UBS Interest Income	-12,858.09	27,860.00	-40,718.09	-46.15%
4016 · Interest Income ARTP	6,512.55	216,000.00	-209,487.45	3.02%
4010 · Interest Income - Other	0.00	0.00	0.00	0.0%
Total 4010 · Interest Income	-15,129.28	273,460.00	-288,589.28	-5.53%
4017 · ARTP Capital Income	0.00	615,000.00	-615,000.00	0.0%
4020 · Groundwater Charge				
4021 · Assessments - Ag	57,376.62	0.00	57,376.62	100.0%
4022 · Groundwater Charge	328,032.80	549,681.07	-221,648.27	59.68%
4023 · Assessments - Non-Ag	218,675.96	0.00	218,675.96	100.0%
4024 · Groundwater Council Revenue	696,802.00	696,800.00	2.00	100.0%
4026 · GW Sustainability/Replenishment	13,246.33	16,814.00	-3,567.67	78.78%
Total 4020 · Groundwater Charge	1,314,133.71	1,263,295.07	50,838.64	104.02%
4025 · Wash Plan Revenue	960,943.89	220,000.00	740,943.89	436.79%
4030 · Mining Income				
4031 · Plant Site - CEMEX	24,000.00	48,000.00	-24,000.00	50.0%
4032 · Cemex - Royalty / Lease	509,714.45	600,000.00	-90,285.55	84.95%
4036 · Aggregate Maintenance	56,986.69	60,000.00	-3,013.31	94.98%
Total 4030 · Mining Income	590,701.14	708,000.00	-117,298.86	83.43%
4040 · Miscellaneous Income				
4041 · Reimbursed Expenses	4,916.52	0.00	4,916.52	100.0%
4040 · Miscellaneous Income - Other	4,489.89	10,000.00	-5,510.11	44.9%
Total 4040 · Miscellaneous Income	9,406.41	10,000.00	-593.59	94.06%
4043 · Project Salary Reimbursement	5,486.67			
4050 · Property Tax	111,463.39	130,817.65	-19,354.26	85.21%
4055 · SBVMWD Spreading Agreement Reim	431,810.98	421,846.11	9,964.87	102.36%
4060 · Property Income				
4062 · Mentone Property	100.00	100.00	0.00	100.0%
Total 4060 · Property Income	100.00	100.00	0.00	100.0%
4065 · Redlands Plaza	119,069.72	218,036.34	-98,966.62	54.61%
4066 · Redlands Plaza CAM	25,515.32	44,906.35	-19,391.03	56.82%
4080 · Exchange Plan	0.00	30,000.00	-30,000.00	0.0%
4999 · Trust Reimbursement-Wash Plan	0.00	592,500.00	-592,500.00	0.0%
Total Income	3,553,501.95	4,527,961.52	-974,459.57	78.48%
Gross Profit	3,553,501.95	4,527,961.52	-974,459.57	78.48%
Expense				
5040 · Regional Programs				
5080 · LAFCO Contribution	2,418.94	2,418.94	0.00	100.0%
Total 5040 · Regional Programs	2,418.94	2,418.94	0.00	100.0%
5050 · Basin Cleaning	0.00	50,000.00	-50,000.00	0.0%
5100 · Professional Service				
5120 · Misc. Professional Services	63,053.30	300,000.00	-236,946.70	21.02%
5122 · Wash Plan Professional Services				
5122 · Wash Plan Professional Services - Other	402,687.15	245,000.00	157,687.15	164.36%
Total 5122 · Wash Plan Professional Services	402,687.15	245,000.00	157,687.15	164.36%
5123 · Habitat Management-WP	64,332.92	346,250.00	-281,917.08	18.58%
5125 · Engineering Services	0.00	30,000.00	-30,000.00	0.0%
5130 · Aerial Photography & Surveying	0.00	2,200.00	-2,200.00	0.0%
5155 · WP Trails Professional Services	0.00	25,000.00	-25,000.00	0.0%
5160 · IT Support	2,700.00	8,500.00	-5,800.00	31.77%
5170 · Audit	24,500.00	26,900.00	-2,400.00	91.08%
5175 · Legal - Wash Plan	13,387.50	5,000.00	8,387.50	267.75%
5180 · Legal	2,150.00	25,000.00	-22,850.00	8.6%
Total 5100 · Professional Service	572,810.87	1,013,850.00	-441,039.13	56.5%
5133 · Regional River HCP Contribution	0.00	25,000.00	-25,000.00	0.0%
5200 · Field Operations				
5210 · Equipment Maintenance	5,769.88	7,200.00	-1,430.12	80.14%
5215 · Property Maintenance	2,889.07	40,000.00	-37,110.93	7.22%
5225 · Field Clean Up-Illegal dumping	46,430.81	60,000.00	-13,569.19	77.39%
Total 5200 · Field Operations	55,089.76	107,200.00	-52,110.24	51.39%
5223 · Temp. Field Labor	822.60	10,000.00	-9,177.40	8.23%
5300 · Vehicle Operations				
5310 · Vehicle Maintenance	3,171.46	8,000.00	-4,828.54	39.64%
5320 · Fuel	8,969.25	15,125.00	-6,155.75	59.3%
Total 5300 · Vehicle Operations	12,140.71	23,125.00	-10,984.29	52.5%

San Bernardino Valley Water Conservation District
Profit & Loss To Date vs. Annual Budget

	<u>Jul '21 - Feb 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
5400 · Utilities				
5410 · Alarm Service	1,468.50	1,545.00	-76.50	95.05%
5420 · Electricity	6,770.70	7,563.42	-792.72	89.52%
5430 · Mobile Phone	3,580.00	5,370.31	-1,790.31	66.66%
5440 · Telephone	2,820.15	6,000.00	-3,179.85	47.0%
5450 · Natural Gas	740.43	1,155.00	-414.57	64.11%
5460 · Water / Trash / Sewer	2,394.39	3,609.90	-1,215.51	66.33%
5470 · Internet Services	1,359.76	2,750.00	-1,390.24	49.45%
Total 5400 · Utilities	19,133.93	27,993.63	-8,859.70	68.35%
6000 · General Administration				
6001 · General Administration - Other	2,331.11	4,500.00	-2,168.89	51.8%
6002 · Website Administration	3,096.94	6,000.00	-2,903.06	51.62%
6004 · Meeting Expenses	1,487.12	2,060.00	-572.88	72.19%
6006 · Permits	170,421.33	45,000.00	125,421.33	378.71%
6007 · Inter District Costs	0.00	10,000.00	-10,000.00	0.0%
6009 · Licenses	1,627.62	1,712.06	-84.44	95.07%
6010 · Surety Bond	3,025.00	1,900.00	1,125.00	159.21%
6012 · Office Maintenance	151.73	2,550.80	-2,399.07	5.95%
6013 · Office Lease Payment	33,333.36	50,000.00	-16,666.64	66.67%
6015 · Mentone House Maintenance	408.00	3,500.00	-3,092.00	11.66%
6016 · Redlands Plaza Maintenance	10,690.73	35,000.00	-24,309.27	30.55%
6018 · Janitorial Services	5,845.00	10,400.00	-4,555.00	56.2%
6019 · Janitorial Supplies	204.24	515.00	-310.76	39.66%
6020 · Vacancy Marketing-Redlands Plaz	0.00	5,000.00	-5,000.00	0.0%
6024 · Computer Equip Maint.	4,841.21			
6026 · Redlands Plaza CAM expenses	31,615.46	32,936.31	-1,320.85	95.99%
6027 · Computer Software	3,201.87	2,000.00	1,201.87	160.09%
6030 · Office Supplies	4,923.88	3,500.00	1,423.88	140.68%
6033 · Office Equipment Rental	3,430.09	9,500.00	-6,069.91	36.11%
6036 · Printing	1,848.75	2,000.00	-151.25	92.44%
6039 · Postage and Overnight Delivery	583.12	1,200.00	-616.88	48.59%
6042 · Payroll Processing	2,275.67	2,859.13	-583.46	79.59%
6045 · Bank Service Charges	0.00	1,000.00	-1,000.00	0.0%
6051 · Uniforms	1,423.59	3,025.00	-1,601.41	47.06%
6060 · Outreach	531.99	63,000.00	-62,468.01	0.84%
6087 · Educational Reimbursement	0.00	5,000.00	-5,000.00	0.0%
6090 · Subscriptions/Publications	2,355.04	1,355.20	999.84	173.78%
6091 · Public Notices	0.00	3,200.00	-3,200.00	0.0%
6093 · Memberships	32,040.33	25,289.23	6,751.10	126.7%
Total 6000 · General Administration	321,693.18	334,002.73	-12,309.55	96.32%
6100 · Benefits				
6110 · Vision Insurance	2,153.06	3,433.34	-1,280.28	62.71%
6120 · Workers' Comp. Insurance	8,780.02	19,735.34	-10,955.32	44.49%
6130 · Dental Insurance	8,040.32	12,567.32	-4,527.00	63.98%
6150 · Medical Insurance				
6150.01 · Medical Employee Contribution	-18,618.86	-31,135.80	12,516.94	59.8%
6150 · Medical Insurance - Other	172,588.96	285,106.20	-112,517.24	60.54%
Total 6150 · Medical Insurance	153,970.10	253,970.40	-100,000.30	60.63%
6160 · Payroll Taxes-Employer	62,269.19	122,654.27	-60,385.08	50.77%
6170 · PERS Retirement				
6170.01 · PERS Employee Contributions	-139,696.49	-45,326.72	-94,369.77	308.2%
6170 · PERS Retirement - Other	254,894.60	353,223.42	-98,328.82	72.16%
Total 6170 · PERS Retirement	115,198.11	307,896.70	-192,698.59	37.42%
6186 · Actuarial Expense-OPEB	0.00	0.00	0.00	0.0%
6200 · Salaries				
6200 · Salaries - Other	0.00	0.00	0.00	0.0%
Total 6200 · Salaries	998,866.80	1,692,720.61	-693,853.81	59.01%
6300 · Insurance				
6310 · Property/ Auto Insurance	4,828.74	4,420.14	408.60	109.24%
6320 · General Liability Insurance	44,163.41	33,651.74	10,511.67	131.24%
Total 6300 · Insurance	48,992.15	38,071.88	10,920.27	128.68%
6400 · Board of Directors' Expenses				
6401 · Directors' Fees				
6401.5 · Payroll Taxes-Directors	6,642.61	0.00	6,642.61	100.0%
6401 · Directors' Fees - Other	42,307.00	87,901.20	-45,594.20	48.13%
Total 6401 · Directors' Fees	48,949.61	87,901.20	-38,951.59	55.69%

San Bernardino Valley Water Conservation District
Profit & Loss To Date vs. Annual Budget

	<u>Jul '21 - Feb 22</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
6410 · Mileage	351.91	4,000.00	-3,648.09	8.8%
6415 · Air Fare	0.00	2,500.00	-2,500.00	0.0%
6420 · Other Travel	0.00	500.00	-500.00	0.0%
6425 · Meals	1,764.61	3,500.00	-1,735.39	50.42%
6430 · Lodging	1,766.07	4,000.00	-2,233.93	44.15%
6435 · Conf/Seminar Registrations	3,600.00	5,000.00	-1,400.00	72.0%
6440 · Election Fees / Re-Districting	0.00	25,000.00	-25,000.00	0.0%
Total 6400 · Board of Directors' Expenses	56,432.20	132,401.20	-75,969.00	42.62%
6500 · Administrative/Staff Expenses				
6510 · Mileage	820.40	2,500.00	-1,679.60	32.82%
6515 · Air Fare	369.17	4,500.00	-4,130.83	8.2%
6525 · Meals	3,055.34	2,035.00	1,020.34	150.14%
6530 · Lodging	2,675.56	3,750.00	-1,074.44	71.35%
6535 · Conf/Seminar Registrations	3,235.00	4,000.00	-765.00	80.88%
Total 6500 · Administrative/Staff Expenses	10,539.26	18,285.00	-7,745.74	57.64%
6700 · Depreciation Expense	0.00	0.00	0.00	0.0%
9999 · Contribution to Capital Maint.	0.00	278,621.92	-278,621.92	0.0%
Total Expense	2,449,351.20	4,473,948.28	-2,024,597.08	54.75%
Other Income/Expense				
Other Expense				
7000 · Construction				
7010 · Materials	0.00	12,000.00	-12,000.00	0.0%
7055 · Plunge Creek Expansion	0.00	0.00	0.00	0.0%
Total 7000 · Construction	0.00	12,000.00	-12,000.00	0.0%
7100 · Land & Buildings				
7110 · Property Capital Repairs	0.00	511,971.00	-511,971.00	0.0%
7120 · Property-Land Purchase	0.00	0.00	0.00	0.0%
7126 · ARTP Engr/Prof Services	0.00	600,000.00	-600,000.00	0.0%
7130 · Mentone Property (House)-CapRep	0.00	25,000.00	-25,000.00	0.0%
7140 · Mentone Property (Shop)-CapRep	19,100.13	375,000.00	-355,899.87	5.09%
7150 · Mill Creek Diversion	0.00	1,100,000.00	-1,100,000.00	0.0%
7160 · Mendoza Property	0.00	137,000.00	-137,000.00	0.0%
Total 7100 · Land & Buildings	19,100.13	2,748,971.00	-2,729,870.87	0.7%
7200 · Equipment & Vehicles				
7210 · Computer Hardware-Capital Purch	16,419.69	5,000.00	11,419.69	328.39%
7220 · Computer Software	18,448.21	10,000.00	8,448.21	184.48%
7230 · Field Equipment / Vehicles	0.00	1,604.44	-1,604.44	0.0%
7240 · Office Equipment	3,265.38	1,500.00	1,765.38	217.69%
Total 7200 · Equipment & Vehicles	38,133.28	18,104.44	20,028.84	210.63%
7400 · Professional Services Capital				
7438 · Engineering Services-Other	0.00	125,000.00	-125,000.00	0.0%
Total 7400 · Professional Services Capital	0.00	125,000.00	-125,000.00	0.0%
Total Other Expense	57,233.41	2,904,075.44	-2,846,842.03	1.97%
Net Other Income	-57,233.41	-2,904,075.44	2,846,842.03	1.97%
Net Income	1,046,917.34	-2,850,062.20	3,896,979.54	-36.73%



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1845

To: Board of Directors
From: Daniel Cozad, General Manager
Date: March 9, 2022
Subject: Groundwater Late Payer, Non-Respondents, and Investigation List for GWA #57

RECOMMENDATION

Review, discuss, and direct staff to continue to investigate late payers and non-respondents for the period of July 1, 2021 – December 31, 2021.

BACKGROUND

The District sent notices to all producers as it does every six months. GWA 57 covers the period from July 1 to December 31, 2021. After each assessment period's payment deadline, staff follows the Board-approved procedure: sending late notices, calling and attempting to assist any producer who has filed incorrect statements, or has failed to file or pay, or both. Each groundwater assessment cycle has both late-payers or non-paying producers. Staff makes several attempts to contact producers who have not paid and find owners for wells with new owners or managers.

DISCUSSION

District staff has made contact with all unreported producers except for Lucky Farms. The previous party who reported for Lucky Farms claims they no longer have responsibility and don't know who does. A field visit may be needed. Payment and reporting are expected to be received soon from all remaining producers.

FISCAL IMPACT

Staff time to prepare the report and follow up with late-payers and non-respondents.

ATTACHMENTS OR MATERIALS

Past Due GW #57 Producers Investigation List

1630 W. Redlands Blvd, Suite A
Redlands, CA 92373
Phone: 909.793.2503
Fax: 909.793.0188
www.sbvwd.org Email: info@sbvwd.org

**BOARD OF
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Division 2:
David E. Raley

Division 3:
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Division 4:
John Longville

Division 5:
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**GENERAL
MANAGER**

Daniel B. Cozad

PAST DUE GW #57 PRODUCERS INVESTIGATION LIST

PAST DUE GW #57 PRODUCERS INVESTIGATION LIST				Expect Pymt/Report	Late Reporters	Field Visit Needed
PRODUCERS	WELL CODE	RECORDATION	LAST PAYMENT/REPORTING			
1. Arrowhead Country Club	1N4W23E	3601925	\$3,594.08/GW #56 (Jan-Jun 2021)	X		
2. Doug Guyette	1N4W36M01S	3600458	\$0/GW #56 (Jan-Jun 2021)	X		
		3610007	\$0/GW #56 (Jan-Jun 2021)	X		
3. Cram Patterson	1S2W16C	3600118	\$872.88/GW #56 (Jan-Jun 2021)		X	
4. Greenspot Mutual	1S2W16C01S	3600266	\$766.57/GW #56 (Jan-Jun 2021)		X	
5. IVDA	1S4W12B	86	\$0/GW #56 (Jan-Jun 2021)		X	
	1S4W12C	87	\$0/GW #56 (Jan-Jun 2021)		X	
	1S4W12F	89	\$0/GW #56 (Jan-Jun 2021)		X	
	1S4W12Q	91	\$0/GW #56 (Jan-Jun 2021)		X	
6. Mroland Mgmt	1S2W30H	3601126	\$313.34/GW #56 (Jan-Jun 2021)		X	
7. Solono Well Co.	1S2W16C	3602003	\$352.51/GW #56 (Jan-Jun 2021)		X	
8. Lucky Farms	1S3W19A01S	3603554	\$0/GW #55 (Jul-Dec 2020)			X



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1846

To: Board of Directors

From: Katelyn Scholte, Assistant Engineer

Date: March 9, 2022

Subject: Final 2022 Engineering Investigation Report

RECOMMENDATION

Provide comments or changes to the Engineering Investigation (EI Report); receive and file staff's presentation.

BACKGROUND

Over five years ago, staff prepared the first EI Report after engaging in discussion with the BTAC and receiving considerable input from other parties in the Bunker Hill Groundwater Basin (Basin). In addition, staff has updated the plan template to incorporate changes to improve the document that were identified in the 2021 EI Report.

Staff developed the 2022 EI Report in accordance with the updated EI plan approved by the Board last year. Staff posted the final EI Report to the District's website on March 1, 2022, and will present the final EI Report at the March 9 Board meeting. In addition, staff will also present this report at the April BTAC and Groundwater Council meetings as requested.

DISCUSSION

Generally, the process to develop the 2022 EI Report was very similar to previous years. Data for well location was requested from the groundwater producers, and Christiana Kent and Katelyn Scholte verified locations, basins and wells to improve accuracy and mapping quality. In 2022, we obtained data locations for more than 200 wells, which allows for increased accuracy in representing groundwater elevations. Staff has not received any comments or revisions to data since posting the final EI Report; however, comments may be received in the future. Virtually all requested well levels were reported. SBVMWD will utilize their model to produce the Change in Storage Report which will be compared with the EI Report to provide a crosscheck of the results.

The 2022 EI Report notes that precipitation was lower than average for the water year and for the calendar year. This year precipitation was approximately 56% of average for the water year. Almost no State Project Water was available for recharge in the basin in 2021. The EI shows a general drop in basin water levels from the elevations estimated for the prior year. Throughout the majority of the basin, water elevations declined

BOARD OF DIRECTORS

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Division 3:
Robert Stewart

Division 4:
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Division 5:
Melody McDonald

GENERAL MANAGER

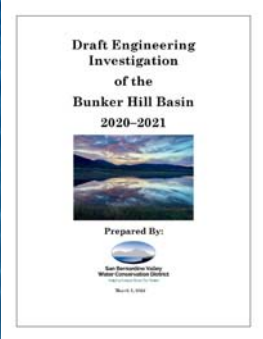
Daniel B. Cozad

between five and 30 feet due to a limited supply of native and State Water Project water available for recharge. The combined decrease in average precipitation and availability of imported water for groundwater recharge resulted in a decline in water levels of approximately 94,000 AF for the Basin. Groundwater production was generally equivalent to the previous period with 90,000 AF withdrawn within SBVWCD boundaries and 173,000 AF within the greater Basin boundary.

The Final EI Report with appendices is available on the District's website <http://www.sbvwd.org/reports-and-data/engineering-investigation.html>. Limited copies of the EI Report will be produced with primary distribution by Adobe Acrobat file. Board members may request a printed copy of the 2022 EI Report from staff.

FISCAL IMPACT

The preparation of the 2022 EI Report resulted in costs of approximately \$6,000 for staff time. The primary purpose of the report is to provide the basis for the Groundwater Charge in compliance with Water Code §75523, and therefore the preparation of the EI Report is included in the budget for the Groundwater Enterprise.



Draft Engineering Investigation of the Bunker Hill Basin 2020-2021

Prepared By:
San Bernardino Valley Water Conservation District
March 9, 2022

Engineering Investigation of the Bunker Hill Basin

2020 – 2021
March 9, 2022

Presentation of Findings
SBVWCD Board of Directors & BTAC

Based on Data Received through March 1, 2022

1

1

Purpose of EI

Article 1, Section 75560 of the California Water Code requires that a Water Conservation District proposing to levy a ground water charge “...shall annually cause to be made an engineering investigation and report upon ground water conditions of the District.”

Beyond this it has value as an independent statement of the status of the basin

2

2

Planning and Production

- Plan approved by the SBVWCD Board
- Requested data from entities and other data sources
- Prepared report analysis with the 2005 basis as we did in 2021
- Calculated values and produced charts, maps graphics and report
- Review comments will be incorporated into final report

3

3

Who Worked on the EI

- Christiana Kent, Anna Frey, & Katelyn Scholte: Data Management, Calculations, Draft Report, Maps, and Draft Preparation
- Erwin Fogerson and Daniel Cozad: Project Management and Review
- Basin Producers: Well Elevation and Production

4

4

Collaborators and Data Needs

Agencies Involved :

- City of Colton
- City of Loma Linda
- City of Redlands
- City of Rialto
- City of Riverside
- City of San Bernardino
- Cooperative Well Program
- East Valley Water District
- Fontana Water Company
- Loma Linda University
- Meeks and Daley Water Company
- Riverside Highland Water Company
- San Bernardino Valley Municipal Water District
- Southern California Edison
- United States Geological Survey
- West Valley Water District

Data Provided:

- Well Elevations
- Well Production
- Water Quality Data
- GIS Locations
- Precipitation Data
- Gaging Station Data
- Diversion Data

5

5

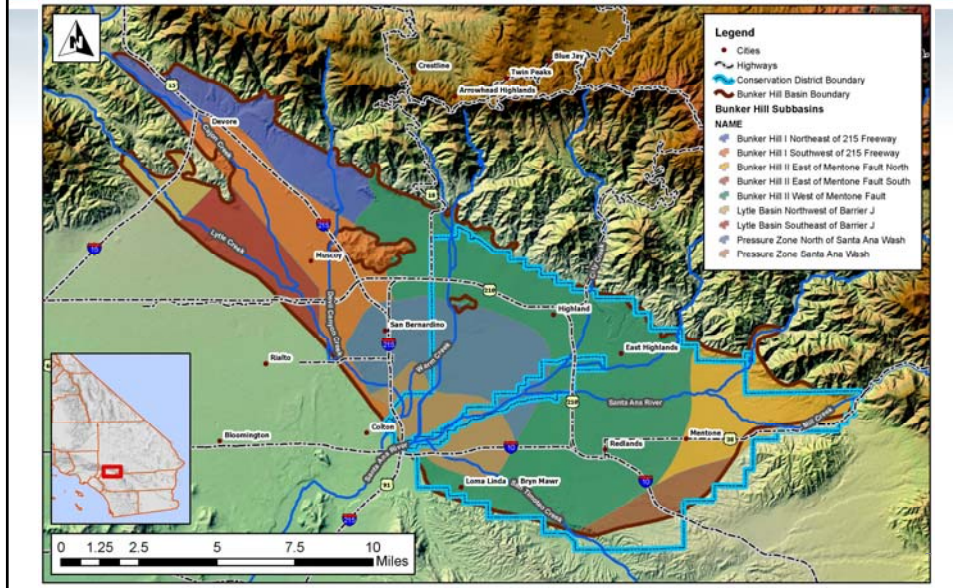
Steps Involved to Creating the EI

- **Request Production and Water Level Data**
- **Enter Data into Database and Appendices**
- **Perform Quality Control and cross checks**
- **Perform Analysis by Groundwater Basin**
- **Calculate Task answers**
- **Generate maps**
- **Prepare or update report text**
- **Present to Board and Basin Producers**

6

6

Bunker Hill Sub-Basins



7

Task 1: Analysis Methodology

- Current Year's Level From The Previous Water Elevation Levels' Values Yielded A Negative Value.

$$\text{Groundwater Levels in 2021} - \text{Groundwater Level 2020} = \text{Change in storage}$$


**-93,846 acre-ft
(decrease)**

Year	Task 1	Year	Task 1	Year	Task 1	Year	Task 1
05-06	-62,400	09-10	56,977	13-14	-91,555	17-18	-47,788
06-07	-113,900	10-11	116,020	14-15	-47,570	18-19	152,408
07-08	-2,600	11-12	-89,775	15-16	16,820	19-20	-67,875
08-09	-35,600	12-13	-129,945	16-17	43,625	20-21	-93,846

8

8

Task 1: Annual Change in Storage

-93,846 acre-ft (decrease)

"storage properties"

Sub-area	[1] Annual Change in Water Level 2020 [ft]	[2] Area [acres]	[3] Storativity (S)	[4] Annual Change in Storage** [acre-ft]
Bunker Hill I - Northeast of 215 Freeway	-14.6	7,795	0.11	-12,560
Bunker Hill I - Southwest of 215 Freeway	-10.1	11,714	0.09	-10,670
Bunker Hill II - West of Mentone Fault	-14.7	35,206	0.06	-31,049
Bunker Hill II - East of Mentone Fault, North	-31.1	8,584	0.13	-34,744
Bunker Hill II - East of Mentone Fault, South	2.7	2,507	0.13	885
Lytle Basin - Northwest of Barrier J	-3.7	1,924	0.13	-917
Lytle Basin - Southeast of Barrier J	-10.2	5,237	0.07	-3,752
Pressure Zone - North of Santa Ana Wash	-4.8	11,920	0.02	-1,147
Pressure Zone - Santa Ana Wash	0.8	6,686	0.02	108

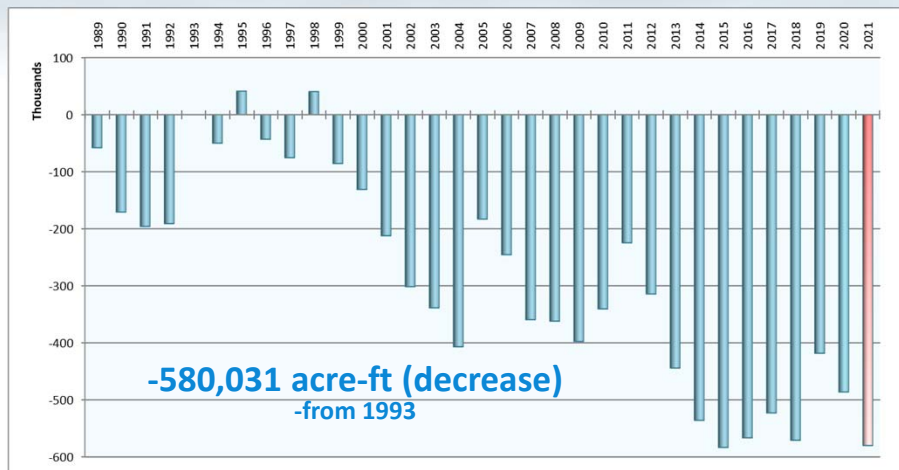
From Appendix A

Total = -93,846

9

9

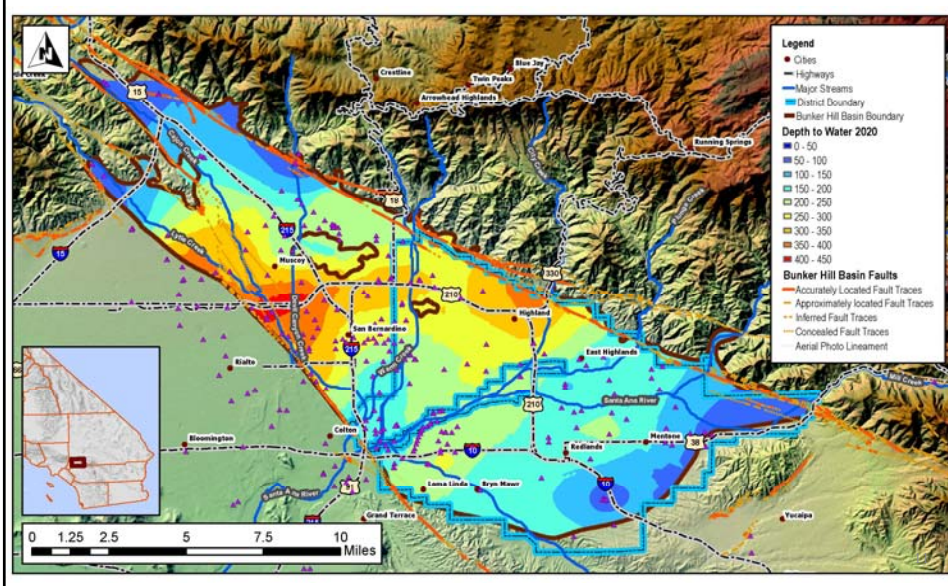
Task 2: Accumulated Change in Storage in the Bunker Hill Basin



10

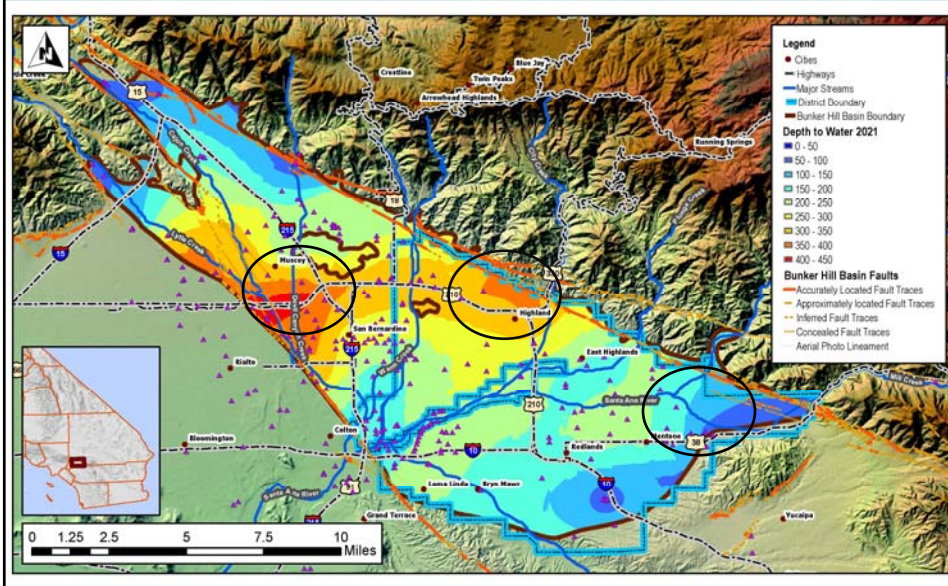
10

Water Elevations 2020



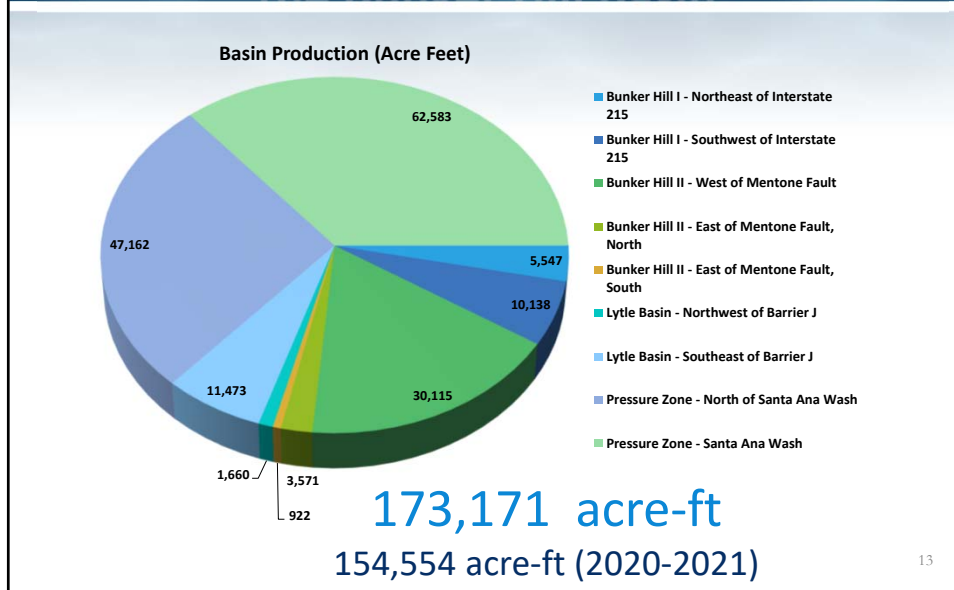
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Water Elevations 2021



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Task 3: Groundwater Production from the Bunker Hill Basin



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Task 4: Estimated Annual Change in Storage

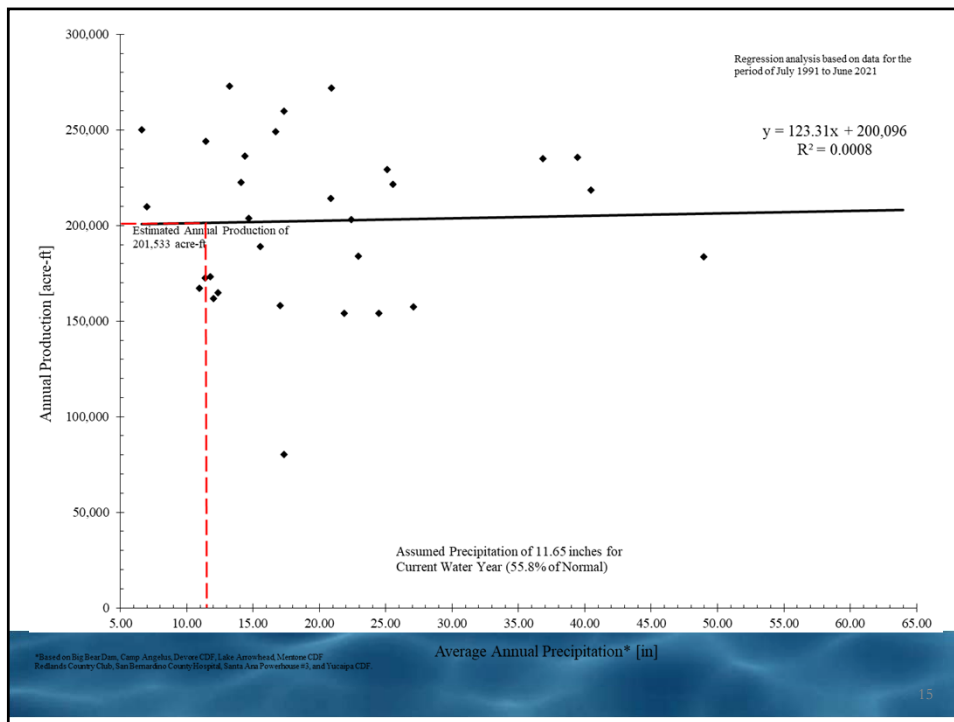
Current Year (July 1, 2021- June 30, 2022)

-79,759 acre-ft (decrease)

-5,623 acre-ft (2020-2021)

14

14



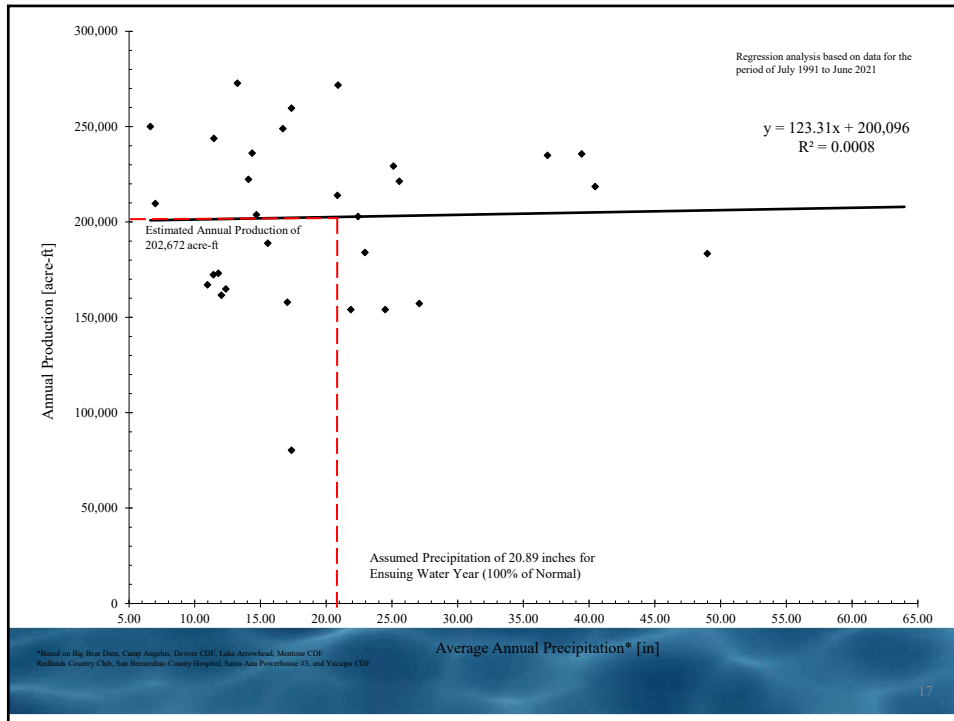
15

Task 5: Estimated Annual Change in Storage

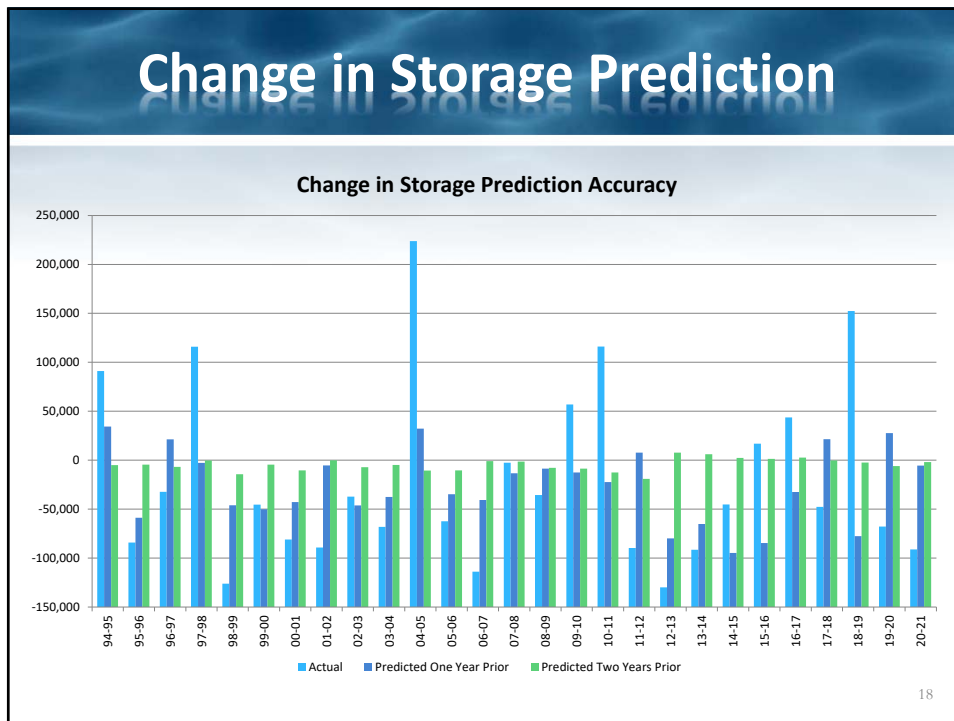
**Ensuing Water Year
(July 1, 2022 – June 2023)**

- 100% of Average**
- 5,943 acre-ft (decrease)**
- 5,973 acre-ft (2019-2020)
- 50% of Average**
- 89,411 acre-ft (decrease)**
- 150% of Average**
- +77,525 acre-ft (increase)**

16

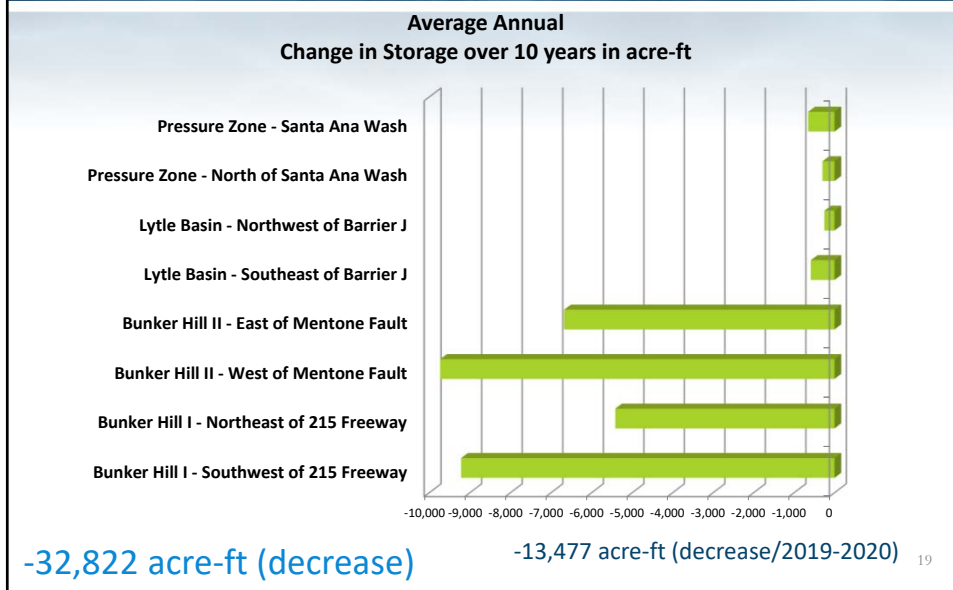


17



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Task 6: Average Annual Change in Storage



19

Task 7: Estimated Production from District Boundaries

Ensuing Water Year (2022-2023)

9,530 acre-ft (historically agricultural)

11,569 acre-ft (ag, previous)

95,690 acre-ft (non-agricultural)

91,135 acre-ft (non-ag, previous)

20

20

Task 8: Estimated Surface Diversion from Basin and District

Ensuing Water Year (2022-2023)

77,235 acre-ft (Basin)

79,655 acre-ft (Basin/2019-2020)

54,552 acre-ft (District)

56,307 acre-ft (District/2019-2020)

21

21

Task 9: Estimated Replenishment Required for Constant Storage

(Ensuing Water Year)

- Indicates the groundwater replenishment from all sources, including natural recharge, required so that **no net change occurs in groundwater storage for the ensuing water year.**
- Replenishment = Production – Surface Diversions + Change in Storage

22

22

Task 9: Estimated Replenishment Required for Constant Storage

July 1, 2022 – June 30, 2023
(Ensuing Water Year)

131,181 acre-ft (Basin)

128,173 acre-ft (Basin/2019-2020)

111,163 acre-ft (District)

106,923 acre-ft (District/2019-2020)

23

23

Task 9: Replenishment Required to Reach the 1993 “Full” Level

(Ensuing Water Year)

791,171 acre-ft

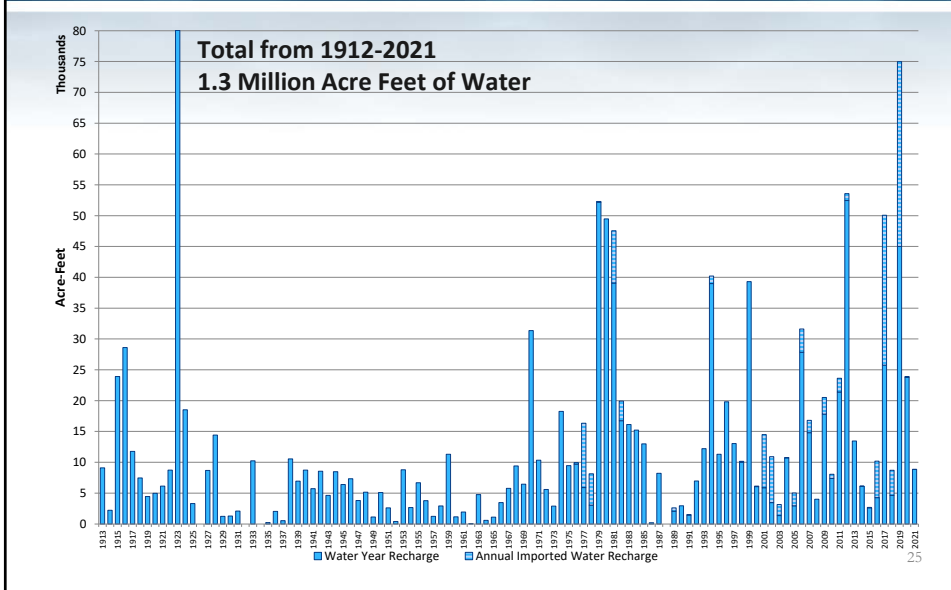
518,114 acre-ft (2019-2020)

Sum of the preceding year accumulated change in storage (Task 2), the current year annual change in storage (Task 4), and the ensuing year replenishment figure (Task 9).

24

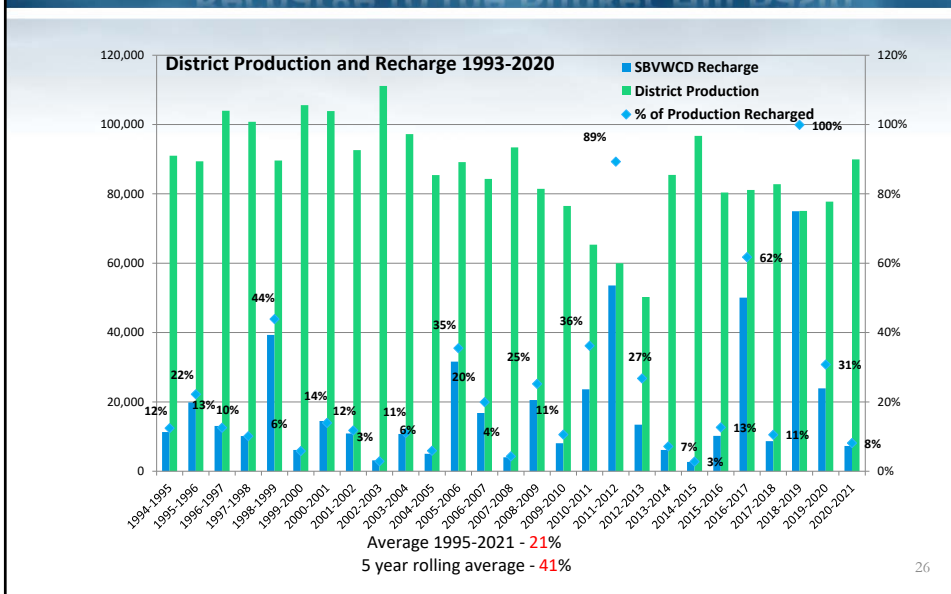
24

Acre Feet of Native and Imported Water Recharged to the Bunker Hill Basin by the District



25

Acre Feet of Conserved Water Recharge to the Bunker Hill Basin



26



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1847

To: Board of Directors

From: Betsy Miller, Assistant General Manager

Date: March 9, 2022

Subject: Amendment 2 to the Mill Creek Groundwater Recharge Facility Operations & Maintenance Permitting Professional Services Contract Award

RECOMMENDATION

Staff recommends that the Board amend the Mill Creek Groundwater Recharge Facility Operations and Maintenance Permitting Professional Services Contract with AECOM to authorize 1) Optional Task 1c, San Bernardino Kangaroo Rat Survey, 2) Optional Task 1d, Least Bell's Vireo Survey, and 3) New Task 11, Permitting Support for the Mill Creek Flow Meter Installation Project, for a total cost of \$63,282.50.

BACKGROUND

On November 10, 2021, the Board approved the Mill Creek Groundwater Recharge Facility Operations and Maintenance Permitting Professional Services Contract with AECOM to evaluate the need for and obtain, where necessary, permits from the Regional Water Quality Control Board (RWQCB), California Department of Fish and Wildlife (CDFW), U.S. Army Corps of Engineers (USACE), and U.S. Fish and Wildlife Service (USFWS) for continued operation and maintenance of these facilities. During presentation of the item, staff noted that several optional tasks were included in the project proposal which would only be authorized if necessary to respond to specific information requests from the permitting agencies. Today's item represents the second of such additional authorizations, based on feedback received from the permitting agencies.

On February 9, 2022, the Board approved Amendment 1 to this contract to authorize Optional Task 3f to conduct a long-term wetland study at the Mill Creek spreading grounds in order to respond to comments received from the Santa Ana Regional Water Quality Control Board regarding to our ability to utilize a permitting exemption for groundwater recharge facilities.

DISCUSSION

On February 9-10, the AECOM team conducted an in-depth site assessment of the Mill Creek Groundwater Recharge Facility project area in order to evaluate 1) the potential for regulated species to occur within the project area and 2) the ability to utilize historic data for the permitting process.

Suitable habitat for several regulated species was determined not to be present within the project area, and thus additional surveys for those species were not recommended. In addition, existing historic data were determined to be sufficient for permitting other species.

Based on this evaluation, and on a meeting with U.S. Fish and Wildlife Service and California Department of Fish and Game on February 23, 2022, AECOM and District staff recommends that surveys for San Bernardino kangaroo rat (Optional Task 1c) and Least Bell's vireo (Optional Task 1d) be authorized for Spring 2022. Completion of these surveys will allow the permit to analyze the specific areas occupied by these species, rather than assuming occupancy across a larger area of potential habitat. At the February 23 meeting, the permitting agencies noted that they would like additional time to review the materials, which will be provided in a 2022 Biological Baseline Report Mill Creek Operations Study Areas by March 18, 2022. If any additional surveys are required by the permitting agencies following their review, an additional amendment may be brought before the Board in April.

Finally, staff recommends the Board authorize New Task 11 to provide permitting support for the Mill Creek Flow Meter Installation Project. The consulting firm that the District had initially sought to contract with for this support in Fall 2021 has disbanded, and utilizing AECOM at this time provides a cost savings due to the fact that they have already surveyed the areas in question under the Mill Creek Groundwater Recharge Facility Operations and Maintenance Permitting Professional Services Contract. This new task will add preparation and submittal of permit application materials for the Mill Creek Flow Meter Installation Project, using data already collected, including, as determined to be necessary to meet regulatory requirements:

- Aquatic Resources Delineation Report (ARDR) Memorandum
- Biological Resources Memorandum
- Notice of Intent (i.e., application form) for General Waste Discharge Requirements (WDR)
- CDFW Streambed Alteration Agreement

FISCAL IMPACT

The recommended action would result in the expenditure of up to \$63,282.50, funded through the Groundwater Charge and associated Reserves and Land Resources enterprise:

- Optional Task 1c – San Bernardino Kangaroo Rat Survey = \$28,738.24
- Optional Task 1d – Least Bell's Vireo Survey = \$9,544.26
- New Task 11 – Permitting Support for the Mill Creek Flow Meter Installation Project = \$25,000.00

In accordance with the existing contract, all work will be performed on a time-and-materials basis. Altogether, this action would bring the total expenditure for this project to \$326,020.50.

POTENTIAL MOTIONS

1. Authorize the General Manager to amend the Mill Creek Groundwater Recharge Facility Operations and Maintenance Permitting Professional Services Contract to include Optional Task 1c, Optional Task 1d, and New Task 11, at a cost of \$63,282.50.
2. Move to table the items to a future meeting of the Board or the Operations Committee, noting potential permitting delays.

ATTACHMENTS OR MATERIALS

Attachment A: Scope of Work, Schedule, and Cost for Optional Task 1c and Optional Task 1d in AECOM's Proposal for Mill Creek Groundwater Recharge Facility Operations & Maintenance Permitting, and AECOM's Scope of Services for Contract Amendment dated February 1, 2022.

ATTACHMENT A

Scope of Work for Optional Task 1c – San Bernardino Kangaroo Rat Survey

Live trapping surveys for SBKR will be conducted according to protocols established for SBKR, which is five consecutive nights of trapping, conducted when the species are active, when air temperature lows are above 50°F (degrees Fahrenheit), and not during inclement weather (rain, heavy ground fog, extreme wind). In general, trapping will focus on impact areas where some SBKR suitability exists to determine if SBKR are present and could therefore be subject to potential harm or take. Traps would typically be placed between 5-15 meters apart. Some trapping areas may also be chosen based on a review of previous trapping data and habitat suitability mapping to get a representative sample of data that will allow inferences to be made as to the density of SBKR within various categories of habitat quality (i.e., high, moderate, and low). The surveys will cover approximately 13 acres of suitable SBKR habitat present within the project area, including three 5-night trapping sessions of up to 175 traps per session.

Each trap is baited with either birdseed, opened at dusk each night, checked once at around midnight, and checked and closed at dawn each morning. This process will be repeated for five consecutive nights. Animals will be identified and released at the point of capture. Captures SBKR will be temporarily marked with ink to help determine recaptures within a trapping session. Individuals will not be permanently marked (e.g., toe clipping, ear clipping, PIT tagging).

This task includes preparation of a draft report to be provided to Conservation District staff for review, and a final report incorporating comments from Conservation District staff.

Schedule

Actions related to Optional Task 1c will be conducted from March 2022 through July 2022.

Cost

The cost for Optional Task 1c is \$28,738.24.

Scope of Work for Optional Task 1d – Least Bell's Vireo Survey

Surveys will follow the current USFWS survey protocol for the species, dated January 19, 2001 (USFWS 2001[1]). The surveys will consist of walking meandering transects through potential least Bell's vireo habitat within Maintenance Project site and up to a 500-foot buffer. The Maintenance Project site has limited habitat suitable to least Bell's vireo so each survey it assumed to last one half-day. Ornithologists will conduct passive surveillance (i.e., listening and looking for the species) in habitats with potential to support least Bell's vireo. Per the current USFWS protocol, suitable habitat will be surveyed eight times during the breeding season (April 10 through July 31) and each survey will be conducted at least 10 days apart. The surveys will occur between dawn and 11:00 a.m. Surveys will

not be conducted during periods of inclement weather such as extreme wind or during a rain event. The location of least Bell's vireo detections will be recorded using a GPS unit.

This task includes preparation of a draft report to be provided to Conservation District staff for review, and a final report incorporating comments from Conservation District staff.

Schedule

Actions related to Optional Task 1c will be conducted from April 2022 through August 2022.

Cost

The cost for Optional Task 1d is \$9,544.26.

Scope of Work for New Task 11 – Permitting Support for the Mill Creek Flow Meter Installation Project

Subtask 1 – Technical Studies

Subtask 1A – Aquatic Resources Delineation Report (ARDR) Memorandum

Based on fieldwork already planned to be conducted at the Mill Creek Basins, AECOM will prepare an ARDR Technical Memorandum for the purpose of supporting the permit process for the two state agencies.

This task includes preparation of a draft memorandum to be provided to Conservation District staff for review, and a final memorandum incorporating comments from Conservation District staff.

Subtask 1B - Biological Resources Memorandum

Based on fieldwork already planned to be conducted at the Mill Creek Basins, AECOM will prepare a Biological Resources Technical Memorandum for the purpose of supporting the permit process for the two state agencies.

This task includes preparation of a draft memorandum to be provided to Conservation District staff for review, and a draft memorandum incorporating comments from Conservation District staff.

Subtask 2 – Regulatory Permitting

Subtask 2A – Waste Discharge Requirements (WDR)

AECOM will prepare the Notice of Intent (i.e., application form) for the General WDR1, applicable to waters that are outside of USACE jurisdiction and causing only minimal impacts. AECOM will be available on a time and materials basis to assist Conservation District staff with pre-application, as well as post-application, agency coordination.

Subtask 2B - CDFW Streambed Alteration Agreement

AECOM will prepare the Notification (i.e., application form) for the CDFW Streambed Alteration Agreement. AECOM will be available on a time and materials basis to assist Conservation District staff with pre-application, as well as post-application, agency coordination.

Schedule

Actions related to New Task 11 will be conducted from March 2022 through February 2023.

Cost

The cost for New Task 11 is \$25,000.00.



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1848

To: Board of Directors

From: Erwin Fogerson, Senior Engineer/Project Manager, and Katelyn Scholte,
Assistant Engineer

Date: March 9, 2022

Subject: Mill, Bledsoe and Cook Creek Preliminary Design and Feasibility Study Support
Professional Services Award of Contract

RECOMMENDATION

1. Find the contract to be categorically exempt from CEQA under Title 14, California Code of Regulations Sections 15306 and statutorily exempt under Section 15262, and
2. Accept the proposal from Q3 Consulting and authorize the General Manager to complete the negotiation of services and fees and execute a professional consultant services agreement not to exceed of \$2,190,644.

BACKGROUND

On November 14, 2018, the Board approved a Partnership Agreement for Joint Active Recharge Project Development under the Upper Santa Ana River Habitat Conservation Plan (HCP) with San Bernardino Valley Municipal Water District. This agreement created an important partnership between these agencies, providing conservation easements on Conservation District-owned lands to satisfy anticipated habitat mitigation requirements for the HCP in exchange for funds dedicated to increasing groundwater recharge in accordance with the Conservation District's mission. The agreement specified certain planned active recharge projects to be transferred from Valley District to the Conservation District for analysis, design, and construction. These projects were referred to as the Transfer Projects. In addition, the Agreement recognized the ability of the Conservation District to utilize the conservation easement funds for related land acquisitions, water quality or supply facilities development, and other related projects with similar benefits, provided that the projects are located within the jurisdictional boundaries of at least one of the two parties. These Agreement Transfer Projects have become known as the Active Recharge Transfer Projects (ARTP).

On December 9, 2020, the Board approved and executed a Planning Memorandum of Understanding (MOU) with the San Bernardino County Flood Control District (SBCFCD) to cooperatively plan and evaluate the practical, environmental, and financial feasibility of utilizing existing SBCFCD's facilities to support groundwater recharge goals through the ARTP. A major focus of the MOU is preparing feasibility studies for each candidate project site in order to allow SBCFCD to evaluate and, if

appropriate, approve proposed recharge activities within their facilities. Under the MOU, the Conservation District is required to “submit to SBCFCD a preliminary report that includes the anticipated amount of storm water to be captured and diverted to that facility and an assessment of the secondary impacts such recharge might have on groundwater levels, migration of contaminant plumes, sand and gravel extraction or other land uses in the vicinity, subsidence protection, endangered and sensitive species habitat preservation, and related concerns.” Conservation District staff have titled this preliminary report “Feasibility Study”.

Although the two potential projects within this contract within SBVWCD facilities are not included in the existing MOU, the project sites will be evaluated in the same manner so that all of the sites can be equally evaluated and then prioritized. If warranted, the Bledsoe Creek and Cook Creek projects may be added to the MOU at a later date based upon feedback from SBCFCD. The third site, the Mill Creek project, is located primarily on Conservation District land (and any portions of the project that occur on SBCFCD land are anticipated to be built under a permit from SBCFCD), so this site is not included in the MOU as well.

Conservation District staff will author the Feasibility Study, with support from a consulting firm to complete the required analysis for each project. The analyses to be completed by the consulting firm include:

- Preliminary Design
- Hydrology Studies
- Hydraulic Studies
- Sediment Transport Analysis
- Geotechnical Site Investigation
- Field Surveys
- Basin Routing
- Recharge Estimates
- Verification of resultant analyses compliance to SBCFCD and United States Army Corps of Engineers (USACE) design standards and FEMA Levee Certification requirements (where applicable)
- Quantity Calculations (District staff will estimate costs)
- Value Engineering
- New focused Groundwater Model based upon the Upper Santa Ana River Integrated (SAR) Model and the estimated recharge amounts
- Preparation of exhibits and compilation of data for use in the Feasibility Study

DISCUSSION

The Feasibility Studies for the ARTP were divided into three separate Requests for Proposals (RFPs) based on the following criteria: 1) inclusion of projects in the Planning MOU with SBCFCD, 2) the presence/absence of USACE constructed levees, and 3) FEMA levee certifications. The RFP for the Mill Creek and City Creek sites was released on November 13, 2021. The scope of work was later modified, following a tentative award of contract, to remove the City Creek site based on feedback from SBVMWD. To evaluate alternatives to the original City Creek site, a proposed basin within the City Creek floodplain that diverts and holds stormwater from Bledsoe Creek was added to the scope as well as proposed basins at Cook Creek.

Two (2) firms submitted proposals in response to the RFP: Dudek and Q3. District staff recommend award based on an extensive review of the proposals; further negotiation of the scope of work, fee and schedule; and consensus feedback from SBVMWD, WMWD, and RPU staff on the proposals and associated modeling methodologies. Based on these factors, staff recommends Q3 Consulting.

In addition to the analyses described above, the proposed contract also includes preliminary engineering for these sites. Due to conducting preliminary engineering, the consultant selected for this contract will not be allowed to propose or perform final engineering services under the District's interpretation of Government Code 1090.

Unlike the previous two ARTP Feasibility Study contracts approved by this Board, this contract 1) includes preliminary design as a task and the Cook Creek site is currently not included in the River HCP. As such, it is recommended that the Board find that the services that are to be performed under this contract are exempt from the California Environmental Quality Act (CEQA) requirements. Work within this contract is consistent with the CEQA exemptions stated below:

Within Title 14, California Code of Regulations Section 15262, "Feasibility and Planning Studies" it states that this activity is statutorily exempt if the activity is as described; "A project involving only feasibility or planning studies for possible future actions which the agency, board, or commission has not approved, adopted, or funded does not require the preparation of an EIR or negative declaration but does require consideration of environmental factors. This section does not apply to the adoption of a plan that will have a legally binding effect on later activities."

Within Title 14, California Code of Regulations Section 15306, "Information Collection" it states that this activity is categorically exempt if the activity is as described; "Class 6 consists of basic data collection, research, experimental management, and resource evaluation activities which do not result in a serious or major disturbance to an environmental resource. These may be strictly for information gathering purposes, or as part of a study leading to an action which a public agency has not yet approved, adopted, or funded."

FISCAL IMPACT

The base contract includes the Mill Creek site only, with a cost of \$1,374,343. Cook Creek and Bledsoe Creek are currently preliminary sites and initial findings of these sites will be coordinated through the Operations Committee and Active Recharge Transfer Policy Committee before determining if notice to proceed will be issued for these site; therefore, the scope of work identifies Cook Creek and Bledsoe Creek as optional items of work. The proposed fee for Bledsoe is \$332,514 and for Cook Creek is \$483,787. The proposed total fee for all three sites is \$2,190,644. These costs will be funded through the ARTP budget, and no additional project implementation costs are obligated by the Agreement.

POTENTIAL MOTIONS

1. Find the contract to be categorically exempt from CEQA under Title 14, California Code of Regulations Sections 15306 and statutorily exempt under Section 15262, accept the Q3 proposal of , and authorize the General Manager and General Counsel to complete the negotiation of services and fees and execute a professional consultant services agreement not to exceed \$2,190,644that amount.

2. Move to table the items to a future meeting of the Board or the Operations Committee.
3. Table the items to a future meeting for consideration, noting the project delays.

ATTACHMENTS OR MATERIALS

Q3 Consulting Proposal

Draft Professional Services Contract with Q3 Consulting for Mill, Bledsoe and Cook Creek Preliminary Engineering and Feasibility Study Support Professional Services.

APPROVALS

District Counsel



Attachment A

SCOPE OF SERVICES

The Scope below includes work for the Mill Creek improvements, with work for Bledsoe Creek and Cook Creek as optional tasks.

Task 1: Project Management

The Q3 Team Project Manager/Task Manager, Tom Ryan, PE and Principal-in-charge, John McCarthy, PE will be responsible for project administration and execution of all services required for the Project. Mr. Ryan and Mr. McCarthy will work together to monitor the progress of all tasks schedule. Project management includes tracking budgets and task progress, updating schedule when required, coordination and conducting internal Team meetings, invoicing and providing oversight and QAQC for each of the Project task deliverables.

Approach

Task 1.1 Project management and Administration

Meetings will include both virtual or in person monthly project status reports and team meetings, schedule updates, invoicing and project closure. Monthly invoices will be prepared and submitted along with a percent complete for each task to be compared against expenditures.

Internal Team meetings via video or in-person will be conducted throughout the duration of the Project. A standing bi-weekly (once every 2 weeks) meeting will be scheduled for the active tasks within the project to discuss and keep updated with progress and to keep ahead of any potential issues that may arise.

Task 1.2 Project kickoff Meeting

The meeting will be held after the Project work is authorized by the Conservation District and attended by the Q3 Team key personnel. The meeting will include discussing and confirming project goals and objectives. Scope of work will be discussed, internal and external communication protocols will be established, schedule reviewed, and project risks and mitigation strategies will be discussed. Project site survey access and geotechnical permit needs will also be discussed.

Task 1.3 Conservation District Project Meetings

Meetings will be as necessary (up to 30) to keep the Conservation District up to speed with the progress of the project. These meetings can include other stakeholders such as SBCFCD. The Q3 Team will coordinate through SBVWCD with regards to other agencies. The Q3 team will develop agendas, and provide meeting minutes for key decisions and major elements discussed.

Task 1.3a Field Inspection with Operations Staff (Mill Creek)

Members of the Q3 Team will accompany the SBVWCD Operations staff in a two-day field inspection of Mill Creek. During this site visit, the staff will demonstrate the facilities within the creek and basin sites.

Task 1 Deliverables:

- Monthly project progress reports and schedule updates*
- Meeting agendas and minutes.*

Task 2: Hydrology

The Project includes two main tributaries. The Mill Creek basins accept flows from Mill Creek. The Bledsoe Creek (Optional) basin location is proposed to accept flows from Bledsoe Creek.

Approach

The Team will prepare all design hydrology per the guidelines established in the San Bernardino County Hydrology Manual (and subsequent addenda) for the 100-year design storm. Inflow hydrographs for the 100-year design storm will be developed for both project sites (all tributaries) as input for the hydraulic analyses.



Each project tributary area will be evaluated and compared to previous hydrology studies to ensure appropriate extents are used. Drainage area boundaries will be identified using either the County LiDAR data or the Cal Fires USGS 2018 LiDAR data. Both data sets cover all watersheds in this RFP.

Design hydrology will be prepared using Advanced Engineering Software's (AES) model for the 100-year design storm models. Lag times will be calculated based on guidelines established in the County Hydrology Manual.

As part of the hydrology scope, the Q3 Team will also develop the Average Annual storm event for each of the project sites and compare the results to those found in the "Upper Santa Ana River Integrated Model Summary Report", prepared by Team member Geoscience in 2020.

Annual average runoff flows and volumes as well as flow duration curves can be determined using available streamflow gage recordings of daily mean flows using simple statistical methods. Alternatively, annual average values for flow and volume can be determined using a range of frequency flows or volumes from 50-percent to 1-percent annual chance occurrence. Flows estimations will include the areas of development downstream from gages used to synthesize average annual flows data tributary to each project site.

There are active streamflow gages on City Creek (19.6 sq-mi) and Plunge Creek (16.9-sq-mi tributary) near Highland, which have available recordings of annual maximum and daily mean flows (water years 1920-2021) as well as instantaneous flows (water years 1989-2021).

There is a streamflow gage on Mill Creek near Mentone (49.1-sq-mi tributary), which has available recordings of annual maximum and daily mean flows active (water years 1939-1965). There is an additional gage located further upstream (42.4-sq-mi tributary), which has available recordings of similar data while active (water years 1916-1986). The Mill Creek gage records can be extended to present day based on a hydrologic correlation using watershed modeling in conjunction with the available gage records associated with Plunge Creek, City Creek, and Santa Ana River (prior to the completion of Seven Oaks Dam).

For in stream flows derived from the annual average runoff estimations, the Q3 Team will be able to establish, with a rough order of magnitude, an estimated single-event-frequency for the 2-year, 5-year, and 10-year storm events. Using the historical data from the stream gage, and correlations to each of the main creeks, these values will be used for reference only. Design of diversions and basins (function) will be established using the more robust historical records.

Standard Project Flood (SPF) flows will be needed to evaluate the Mill Creek channel system. This will be performed for both existing and proposed diversion conditions. Although the flows from the SPF are not necessary to route through the Mill Creek Basins, the Team will perform the diversion calculations including the SPF, to ensure the proposed new diversion system does not hydraulically impact the channel system. It is anticipated that the SPF flowrates will be given to the Team by the SBCFCD. No SPF hydrology is anticipated as part of this scope.

Task 2.1 Mill Creek Diversions

The Mill Creek basins are proposed to acquire flows from Mill Creek (as they do today) and State Water Project flows. For Mill Creek, a unit hydrograph (Q100) will be developed for the area tributary to the diversion per the methods mentioned above. The upper two (2) diversion structures will route flows (to be determined via hydraulic analysis) into a new diversion channel or into two desilting basins. A total of three (3) diversion structure locations will introduce flows into the network of basins. From these basins, flows will continue into multiple additional basins metered by low flow outlet pipes and a diversion channel. The remainder of flows not diverted continue downstream and eventually discharge downstream in Mill Creek. Since the diversion structures requires a full hydraulic analysis, these two tasks will be conducted simultaneously.

The average annual storm event will be developed based on available stream gage data for Mill Creek. This data and analysis will be compared to the data prepared in the "Upper Santa Ana River Integrated Model Summary Report", prepared by Team member Geoscience in 2020.

The area immediately tributary to the basins (approximately 520 acres) will be evaluated using a rain-on-grid approach with HEC-RAS 2D for the Q100 and an estimated precipitation to conform to the average annual runoff (from Mill Creek). Rain-on-grid will more accurately identify true flow patterns and resulting flows to each basin.



The Q100 will be used to design the spillway structures. The average annual model will be used to supplement the diverted flows from Mill Creek.

Task 2.2 Bledsoe Creek Basin (Optional)

One inflow location is proposed for the Bledsoe Creek basin site. Along Bledsoe Creek, a unit hydrograph (Q100) will be developed for the area tributary to the proposed diversion per the methods mentioned above. The diversion structure will route flows (to be determined via hydraulic analysis) into the basin. The remainder of flows will flow eventually to City Creek (as they do currently) downstream of the proposed basin site.

The average annual storm event will be developed based on available stream gage data for City Creek and used to correlate to Bledsoe Creek. This data and analysis will be compared to the data prepared in the "Upper Santa Ana River Integrated Model Summary Report", prepared by Team member Geoscience in 2020.

Task 2.3 City Creek Hydrology (Optional)

A unit hydrograph (Q100) will be developed for the City Creek area tributary to the confluence of Bledsoe Creek for the purpose of evaluating the impacts of the Bledsoe Basin within the City Creek floodplain. If needed, this hydrology can be used to prepare the Conditional Letter of Map Revision (CLOMR) along City Creek with the implementation of the Bledsoe Creek basin.

Task 2.4 Cook Creek Basin (Optional)

One diversion (inflow location) is proposed within the Cook Creek basin site. Along Cook Creek, a unit hydrograph (Q100) will be developed for the area tributary to the proposed diversion per the methods mentioned above. The diversion structure will route flows (to be determined via hydraulic analysis) into the basin. The remainder of flows will flow eventually to City Creek (as they do currently) downstream of the proposed basin site. Hydrology will also be developed for the subareas' tributary to the proposed basin footprint(s).

The developed area south of Cook Creek will be evaluated to identify if runoff from areas can be diverted into the proposed basin footprints. Hydrology for this area will be developed and could indicate a need for a second diversion into the proposed basins. A small tributary just north of the proposed basin site, currently includes a desilting basin, will also be evaluated as an additional source of flow.

The average annual storm event will be developed based on available stream gage data for City Creek and used to correlate to Cook Creek. This data and analysis will be compared to the data prepared in the "Upper Santa Ana River Integrated Model Summary Report", prepared by Team member Geoscience in 2020.

Task 2 Deliverables:

- Hydrology Maps & Summary of Calculations & Assumptions
- 2D Maximum Depth Maps for Local Mill Creek Area Rain-on-Grid Model
- Digital Model Files

Task 3: Hydraulics

The hydraulic analyses for each project site will utilize a more advanced approach than in prior assessments due to the in-stream diversions, interconnected basins, and sediment management requirements for this project. The Conservation District requested that the project be analyzed using a Free Domain software. For the level of detail required to assess these Project sites adequately, the two most suitable programs are either SWMM5, developed by EPA, or HEC-RAS 6.1 developed by the USACE. SWMM5 is a 1-dimensional (1D) program capable of modeling multiple interconnected basins using a Dynamic Wave modeling routing, which identifies surcharge or reversal of flow. HEC-RAS 6.1 can be used for 1D channels in addition to interconnected basins with the 2-dimensional (2D) option. The basins are linked using 1D culverts.

With respect to the uses of HEC-RAS 2D, interconnected basins analysis is relatively new and has not been thoroughly vetted by the engineering community. For the Mill Creek basins, the Q3 Team proposes to check the final results of either SWMM5 or HEC-RAS 2D with XPStorm (a proprietary software that links 1D and 2D using advanced modeling techniques).



The XPStorm model, owned by Autodesk will only be used to validate the selected mode used for the Mill Creek basins area. Once calibrated, the selected program can be used to evaluate all proposed alternative basin, diversion, canal options.

Approach

Hydraulics for this project include the evaluation of the existing and proposed diversions, evaluation of the canals, routing between and through the basins, and outlet structures. All of these structures are linked in one way or another. The approach for evaluating the diversions, the canals, and the basins (for Mill Creek site) will be an iterative approach. For example, maximizing the basin sizes first will help identify the optimum flow to divert from the creek with respect to volume. Peak flowrate will be based on the in-stream diversion sizes. These peak flowrates will then be used to size the proposed canals and greatly impact the sizing of the Mill Creek basins outlet facilities. Higher peak flows will also contain more sediment, unless otherwise treated. Consequently, each of the Project sites will be evaluated using a single, comprehensive hydraulic model to provide a better tracking of how any changes in the input parameters might have on the entire system. An individual model will yield an effective and feasible solution much quicker than an evaluation using several separate modeling systems.

The Q3 Team plans to check this model against other individual models, including both advanced models and traditional models. This form of checking the calculations provides another layer of assurance that the modeled results are correct. For example, diversion structures and basin outlet pipes will be checked using standard FHWA Culvert equations or Manning's Equation (incl. orifice and weir equations). Even though FHWA equations use zero velocity at headwaters, it provides useful information in how it the results relate to the advanced model run results.

Task 3.1 Mill Creek Diversions

The Mill Creek diversion analysis will consist of two systems; the in-stream diversions (where soft plugs exist today), and the in-line diversions (structural diversions near and through the levee). In stream diversions will be evaluated using HEC-RAS 2D. One option to be evaluated is a subsurface diversion. This structure would include a buried pipe, and a buried support wall behind the pipe to protect against erosion and sedimentation. New topography (LiDAR) will be flown as part of the survey scope and used to develop a 3D surface of Mill Creek. This surface will be compared to other LiDAR from SBCFCD "County" LiDAR (flown in 2013), and the Cal Fires USGS LiDAR (flown in 2018) to identify how much the low flow channel "braids" have moved over the years. This will also be correlated with historical aerial photographs. This is important in identify how active the low flow braids are within the stream when identifying a potential permanent solution. As part of this research, the Q3 Team will question maintenance crews to understand the frequency of soft plug repair.

Major Storm Existing Condition Channel Models -An existing condition model will be developed for the 100-year peak storm and the Standard Project Flood (SPF) for the reach limits identified in the RFP. Both 1D and 2D will be used and results compared. The purpose of these analyses is to set a baseline to understand potential impacts for the proposed improvements, during large flow events.

Minor Storm Existing/Proposed Condition Diversion Structure Analyses - The Q3 Team will perform an incremental "step" analysis using a series of flow rates to identify the existing capacity of the soft plug system based on the current surveyed conditions. Analyses will also be performed on varying flowrates and proposed condition diversion heights to establish a range of flowrates (capacities) to use in the Mill Creek basin evaluations. Evaluations of the basin capacities will be performed at same time to help establish the desired target flowrates. 24-hour duration hydrographs will be developed for the target range of flows to use in the basin analyses.

In addition to the "step" analyses, Q3 will perform hydraulics using the average annual storm event prepared in Task 2.

Per the RFP SOW (Scope of Work), up to three candidate locations for the new through levee diversion in addition to three (3) candidate design alternatives.

Major Storm Proposed Condition Channel Models – The proposed in-stream diversion alternatives will be evaluated for the 100-year and SPF to identify potential fluvial impacts compared to the existing condition models. These evaluations will provide insight as to how large-scale storms are impacted by the proposed diversions.



Modifications to proposed diversion will be made with the goal of minimizing the hydraulic impacts to the Mill Creek system.

Existing Diversions Through Levee Analyses. Hydraulic calculations for the existing structures will be set up using SWMM5. The two existing structures will be evaluated for maximum potential capacity and operation during lower flow events.

Proposed Diversions Through Levee. Hydraulic calculations for improved structures will be set up using SWMM5. Modified structures include the existing two gate locations that allow flows currently through the levee and the proposed third location. The third location consists of an existing outlet into the creek from the levee interior. It is proposed by the Conservation District to evaluate this facility as a higher flow inlet that would be connected to a canal that feeds the basins. The feasibility of this system will be evaluated to identify estimate maximum flows and at what stages they occur. Proposed modifications will be identified that minimize the integrity of the levee itself.

Task 3.2 Mill Creek Basins & Canals

The Mill Creek basin analysis will occur at the same time as the diversion analyses, as both designs are inter-dependent. It is anticipated that the basin analyses will be performed using HEC-RAS 6.1 (2D + pseudo 1D). It is anticipated the XPStorm will be used to help develop the basin rating curves (if necessary). It will also be used to vet the HEC-RAS results.

A 3D surface will be developed based on the newly flown LiDAR and field survey. Each of the individual basin outlets will be identified and input as 1D elements into the models.

The project will be evaluated in an incremental approach. First, the existing system will be evaluated. Next, a proposed condition model will include the first new diversion. Another model will be created with the inclusion of the two proposed desilting basins. Another model will include the distribution canal from basin 2 to the remaining basins. This model then will be performed maximizing the existing basin footprints/depths. Final models will be completed with the addition of the newly proposed basins. Below is a breakdown of these calculations.

Environmental Basin Footprint Evaluations. Q3 will take this map showing all basin locations and create an exhibit for discussion with the Conservation District's environmental team. The goal of this meeting will be to identify the environmental constraints between the existing basins and better understand the extents at which the basin footprints can be extended. This will set one of the requirements for the sizing of how large the basins can become.

Mounding Evaluation for Basin Sizing. The Q3 Team will then evaluate the potential for groundwater mounding, which will help set the minimum distance and maximum depths the basins can be from one another. Team members Geoscience will provide this information (Scope per separate Task) and with the approval of the Conservation District, guidelines will be established.

Existing Condition Model (Basins, Diversions, Baseline). For comparative and validation purposes, an existing condition model will be prepared using the existing maximum diversion flows (approximately 400 cfs). If needed, an actual storm event can be used that mimic a peak flow of 400 cfs (at the diversions) to see if the basins fill similar to what was observed. This would require some recorded measurements or photographs.

Proposed Desilting Basin Evaluations. A model will be performed routing the (first diversion) flows into the two desilting basins to identify their effectiveness. The proposed canal will be modeled to be able to shut off certain basins (or sections of basins) and modeled to ensure correct functionality. The remainder of the model will be based on the existing facility layout.

Proposed Distribution Channel. A new model will be developed adding the proposed distribution canal from desilting basin 2 and routing flows downstream, where it can distribute flows into each of the basin identified in the RFP. New distribution locations can be identified during this analysis. The existing basin footprints will be used in this model.

Proposed Condition Basins Models. With the results of the maximized basin configurations (from environmental and mounding research), a new surface will be created using the larger footprints and deeper basins. The diversion canal will be implemented into the plan and any new basin connections. It is anticipated that new connections will be identified that will make the system more efficient. The Team will utilize the proposed configurations identified



in the RFP as a starting point. Modifications will be made based on available land and hydraulic efficiency. Flows for the proposed new basins will be increased (volume and peak) over a 24-hour duration until the maximum flow is obtained or when all basins are filled. This will most likely involve modification to the interconnected pipe and canal system to ensure all basins are functioning to their capacity. Once this “design flow” has been established, the creek diversions will be sized to route this flow.

Proposed New Basins Model. A new model will be developed based on the Proposed Condition Basins Model by adding the newly proposed additional basins. This model will include the sizing of the basins, and the functionality and location of the canal inflows.

The goal of the basins model is to identify a configuration of basins, weir structures, and diverted flow to maximize the volume of storage and recharge for the average annual storm flow event. Up to three alternative configurations of canal and basins (and how they are interlinked) will be evaluated. Within these three alternatives, slightly different variations could be made within the basins themselves such as the addition of new basins, deepening of existing basins, or combining of existing basins.

The 100-year storm event will also be performed for the maximum diverted flows from the diversion structures in addition to the onsite 100-year runoff. This analysis will be performed with the gates closed to identify flows over spillways. Hydrology will be derived from the on-site analysis and include the potential surcharged diversion flows.

Task 3.3 Bledsoe Creek Diversion (Optional)

The Bledsoe Creek diversion will be evaluated simultaneously with the sizing of the proposed Basin. Similar to the Mill Creek system, the goal is to maximize the capture efficiency and recharge of the proposed basin site. HEC-RAS 2D will be used to evaluate the proposed creek diversion alternatives. Using available County or Cal Fire (USGS) LiDAR data supplemented with ground survey, several structural and natural types of alternatives will be evaluated.

Major Storm Existing Condition Models. A 100-year and SPF storm model will be run for Bledsoe Creek to set the baseline for comparison in proposed conditions. The 100-year will help delineate the boundaries of the 100-year floodplain, which will be used to locate the basin. The basin should be located outside of the 100-year storm high water mark. The proposed site is currently located within a FEMA Special Flood Hazard Area, Zone A.

Bledsoe Creek runs immediately adjacent to the proposed basin footprint. Upstream from Boulder Avenue, the creek consists of a concrete lined channel that terminates into a culvert under Boulder Avenue. This location could be beneficial to propose a diversion since it is already engineered. Coordination will be necessary with the City of Highland as a proposed development is planned just north of Boulder Avenue.

Minor Storm Existing/Proposed Condition Diversion Structure Analyses - The Q3 Team will perform an incremental “step” analysis using a series of flow rates to identify the existing capacity of the in-channel diversion system based on the proposed alternatives. Analyses will also be performed on varying flowrates and proposed condition diversion heights to establish a range of flowrates (capacities) to use in the basin evaluations. Evaluations of the basin’s capacity will be performed at same time to help establish the desired target flowrates. 24-hour duration hydrographs will be developed for the target range of flows to use in the basin analyses.

In addition to the “step” analyses, Q3 will perform hydraulics using the average annual storm event prepared in Task 2.

For Bledsoe diversion, a total of three (3) alternative locations for the diversion (3 in addition to three (3) candidate design alternatives will be evaluated.

Task 3.4 Bledsoe Creek Basin Analysis (Optional)

Based on the 100-year hydraulic models of Bledsoe Creek, an approximate footprint of the basin should be apparent.

Environmental Basin Footprint Evaluations. Prior to finalizing the potential extents of available “basin area”, the Q3 Team will work with the Conservation District’s environmental team to understand the areas potential for habitat restoration and how that could change the available space. Once an agreed upon area and purpose has been developed, up to three alternative basin configurations will be evaluated using the inflow hydrographs from the Bledsoe Creek diversion.



Propose Basin Models. It is anticipated that either SWMM5 or HECRAS 2D could be used to develop the alternatives. Most likely, HEC-RAS 2D would be used since it is more accepted at the County and there is no foreseen potential for surcharged conduits. Up to three alternative basin configurations will be analyzed as part of this Task.

The 100-year storm event will also be performed for the maximum diverted flows from the diversion structures in addition to the onsite 100-year runoff. This analysis will be performed with the gates closed to identify flows over spillways.

Bledsoe Levee Evaluation (Optional). During the basin evaluation process, the Q3 Team will evaluate the possible recommendation to move and rebuild the existing levee along the eastern edge of Bledsoe Creek.

Task 3.5 City Creek Hydraulic Analyses (Optional)

The current proposed Bledsoe Basin location resides within the City Creek FEMA Special Flood Hazard Area (Zone A). Consequently, the proposed basin site may impact the existing floodplain and should be evaluated.

Major Storm Existing Condition Channel Model -An existing condition model will be developed for the 100-year storm for the reach limits identified in the RFP to establish a baseline. A steady-state 1D HEC-RAS analysis will be prepared to identify the existing floodplain and how it could impact the potential basin location.

Major Storm Project Conditions Channel Model -A proposed condition model will be developed for the 100-year peak storm for the reach limits identified in the RFP including the proposed (basin including any potential fill grading). A steady-state 1D HEC-RAS analysis will be prepared to identify the potential impacts to the existing floodplain. Results from this analysis may include moving the proposed basin alignment (or lowering) to not adversely impact the City Creek floodplain.

Task 3.6 Cook Creek Widening & Diversion(s) Analyses (Optional)

The Cook Creek diversion will be evaluated simultaneously with the sizing of the proposed Basin. Similar to the Mill Creek system, the goal is to maximize the capture efficiency and recharge of the proposed basin site. HEC-RAS 2D will be used to evaluate the proposed City Creek and Cook Creek diversion alternatives. Using available County or Cal Fire (USGS) LiDAR data supplemented with ground survey, several structural and natural types of alternatives will be evaluated. Three locations for diversion will be evaluated; 1) within Cook Creek near the proposed creek widening, 2) further downstream where the urban runoff enters Cook Creek, and 3) within City Creek.

Major Storm Existing & Proposed Condition Models. A 100-year storm model will be run for Cook Creek to set the baseline for comparison in proposed conditions. The 100-year will help delineate the boundaries of the 100-year floodplain, which will be used to locate the basin. The basin should be located outside of the 100-year storm high water mark. The proposed site is assumed to be located within a FEMA Special Flood Hazard Area, Zone D (Undetermined Flood Hazard Zone).

Cook Creek runs immediately adjacent to the potential basin footprints. Currently, the entire reach adjacent and upstream of the proposed basin site consists mostly of natural channel. Some minor engineered channel improvements were completed upstream by the County.

Part of the Major Storm models will include extending the existing right channel bank to spread flows prior to diversion. The purpose of this is to reduce the flow velocity and maximize (benefits) wetted perimeter for environmental mitigation purposes.

Minor Storm Existing/Proposed Condition Diversion Structure Analyses - The Q3 Team will perform an incremental “step” analysis using a series of flow rates to identify the existing capacity of the in-channel diversion system based on the proposed alternatives. Analyses will also be performed on varying flowrates and proposed condition diversion heights to establish a range of flowrates (capacities) to use in the basin evaluations. Evaluations of the basin’s capacity will be performed at same time to help establish the desired target flowrates. 24-hour duration hydrographs will be developed for the target range of flows to use in the basin analyses.

In addition to the “step” analyses, Q3 will perform hydraulics using the average annual storm event prepared in Task 2.



For the Cook Creek diversion, a total of two (2) alternative locations will be evaluated for the diversion in addition to two (2) candidate design alternatives each will be evaluated (4 total).

Task 3.7 Cook Creek Basin Analysis (Optional)

Based on the 100-year hydraulic models of Cook Creek, an approximate footprint of the basin should be apparent. The Q3 Team will evaluate the Conservation District's concept in addition to up to two additional basin configurations.

Environmental Basin and Channel Footprint Evaluations. Prior to finalizing the potential extents of available "basin area", the Q3 Team will work with the Conservation District's environmental team to understand the areas potential for habitat restoration and how that could change the available space. This includes the potential for extending the right overbank area of Cook Creek to reduce the project footprint impacts area and decrease stream velocities. Once an agreed upon area and purpose has been developed, up to three alternative basin configurations will be evaluated using the inflow hydrographs from the Cook Creek diversion.

Proposed Basin Models. It is anticipated that HECRAS 2D could be used to develop the alternatives as it is more accepted at the County and there is no foreseen potential for surcharged conduits. Up to three alternative basin configurations will be analyzed as part of this Task.

The 100-year storm event will also be performed for the maximum diverted flows from the diversion structures in addition to the onsite 100-year runoff. This analysis will be performed with the gates closed to identify flows over spillway(s).

Task 3.8 Cook Creek Levee Analysis (Optional)

The Q3 Team will evaluate the possible recommendation to add a levee along the southern edge of Cook Creek adjacent to Highland Avenue. Hydraulic calculations will be prepared to the Q100 to identify maximum WSE and velocities along the bank. These calculations will be used to develop a preliminary alignment for the levee. It will be assumed that this levee will tie-into the proposed graded pad between Cook Creek and Highland Avenue. The results of this analysis will set the elevation of the levee per the requirements of FEMA.

Task 3 Deliverables:

- Summary of Diversion Calculations and Proposed Alternatives Exhibits
- Summary of Basin Analyses Including Design Criteria (All Alternatives)
- Summary of City Creek 100-Year floodplain
- Digital Files

Task 4: Drain Time and Recharge Analysis

Drain time and recharge analysis consists of two, separate but connected, evaluations. Hydraulic drain time consists of calculating time to drain all basins through the low flow structures. SBCFCD typically uses 24-hour drain time criteria (post-storm). Recharge calculations will be completed for each basin using the refined reservoir spreadsheet model for an average annual storm event based on storage volume, identified percolation rates, and identified clogging factors.

All Drain Time and Recharge Analysis scope items are identified in the RFP unless otherwise stated.

Approach

Task 4.1 Mill Creek Basins Drain Time

The drain time analysis for the Mill Creek basins will be conducted using HEC-RAS 2D (or SWMM5) depending on discussions with the Conservation District. Similar to the hydraulic calculations, the analysis will assume all basins will be filled to the respective spillways prior to initiating the drain time calculations. It will be assumed that all basins must be drained within 24-hours (or time to be determined by the Conservation District). Consequently, the upper basins will drain more rapidly than the lower basins, since the lower basins will be accepting flows from the upper basins. This condition assumes all low flow structures/weirs are in full open position, which may or may not be the usual position to capture and hold flows under normal operating conditions. Drain time calculations will be prepared for all proposed basin configurations.



The Team will estimate recharge quantities using the refined reservoir spreadsheet model for an average annual storm event (per Task 8.1) using the storage volume determined previously, infiltration test results (Task 7), and clogging factors determined from the sediment transport analysis (Task 5). Infiltration decay rate will also be included per Task 8.1. It is assumed that recharge quantities will be estimated for no clogging and clogging scenarios for the average annual storm events.

Task 4.2 Bledsoe Creek Basin Drain Time (Optional)

The drain time analysis for the Bledsoe Creek basin will be conducted using HEC-RAS 2D (or SWMM5) depending on discussions with the Conservation District. Similar to the hydraulic calculations, the analysis will assume all basin(s) will be filled to the respective spillways prior to initiating the drain time calculations. It will be assumed that all basins (if in series) must be drained within 24-hours (or time to be determined by the Conservation District). Consequently, the upper basins will drain more rapidly than the lower basins, since the lower basins will be accepting flows from the upper basins. This condition assumes all low flow structures/weirs are in full open position, which may or may not be the usual position to capture and hold flows under normal operating conditions. Drain time calculations will be prepared for all proposed basin configurations. This analysis will be conducted for all three (3) basin configurations.

The Team will estimate recharge quantities for each of the three (3) configurations using the refined reservoir spreadsheet model for an average annual storm event (Task 8.1) using the storage volume determined previously, infiltration test results (Task 7), and estimated clogging factors. Infiltration decay rate will also be included per Task 8.1. It is assumed that recharge quantities will be estimated for no clogging and clogging scenarios for the average annual storm events.

Task 4.3 Cook Creek Basin Drain Time (Optional)

The drain time analysis for the Cook Creek basin will be conducted using HEC-RAS 2D (or SWMM5) depending on discussions with the Conservation District. Similar to the hydraulic calculations, the analysis will assume all basin(s) will be filled to the respective spillways prior to initiating the drain time calculations. It will be assumed that all basins (if in series) must be drained within 24-hours (or time to be determined by the Conservation District). Consequently, the upper basins will drain more rapidly than the lower basins, since the lower basins will be accepting flows from the upper basins. This condition assumes all low flow structures/weirs are in full open position, which may or may not be the usual position to capture and hold flows under normal operating conditions. Drain time calculations will be prepared for all proposed basin configurations. This analysis will be conducted for all three (3) basin configurations.

The Team will estimate recharge quantities for each of the three (3) configurations using the refined reservoir spreadsheet model for an average annual storm event (Task 8.1) using the storage volume determined previously, infiltration test results (Task 7), and estimated clogging factors. Infiltration decay rate will also be included per Task 8.1. It is assumed that recharge quantities will be estimated for no clogging and clogging scenarios for the average annual storm events.

Task 4 Deliverables:

- Summary Exhibit of Basin Drain Time Results for All Alternatives
- Digital Files for Drain Time Calculations

Task 5: Sediment Transport Analyses

Sediment transport modeling provides the best available means to understand the bed profile behavior of the channels, identify and resolve critical design issues, and ultimately determine a long-term cost-effective solution for both in-stream diversions and downstream basin configurations. Sediment transport model simulations can be successfully used in the evaluation of event-based and long-term general scour and sedimentation design constraints as they relate to the establishing adequate bank heights and scour toe-down protection, quantifying sediment volumes to support the determination of bulking factors, and formulating operations and maintenance requirements related to sediment management. Both event-based and long-term hydrologic regimes (flow records) should be analyzed to capture the influence of extreme events as well as the accumulative consequences of smaller, more frequent floods over time.



For the Optional Cook Creek site, a review was performed for the existing sediment transport study performed by Chang. It was found that this study was only performed for individual design storm events. It is our recommendation that a continuous simulation be performed to identify the true nature of the channel bed erosion/sedimentation properties. Where possible, data from the existing study will be pulled for this analysis.

All sediment transport scope items are identified in the RFP unless otherwise stated.

Approach

Task 5.1 Mill Creek Baseline Event Long Term Model, Sensitivity Analyses

The models will employ event-based and long-term hydrologic regimes based on the available streamflow gage records. Model processes and parameters to be considered for sensitivity analysis include, flow regime, transport relationships, bed sorting methods and iterations, sediment inflow, hydraulic roughness, bed-material gradation, time duration and intervals, and cross-section spacing. The bed sediment size distribution will be determined from sediment samples collected from Mill Creek for use in sedimentation analyses will be obtained during the geotechnical investigation. Given the characteristics of the source watershed and flood environment of Mill Creek, the likelihood of large debris impairing the function of diversion structures will be evaluated to assist in the determination of a successful design solution.

At this time, it is not anticipated that Bledsoe Creek will require a sediment transport model. Based on historical photographs over the last 20 years, the engineered trapezoidal channel upstream of Boulder Avenue appears clear of sediment and debris, which suggests sediment moves through system assuming no maintenance removal of sediment deposits occur.

Task 5.2 Mill Creek Sediment Transport Alternative Analyses

The Q3 Team proposes to prepare a HEC-RAS or HEC-6T sediment transport model to evaluate each of the proposed in-stream alternative diversions (up to 3) to evaluate the associated long-term maintenance requirements and overall stream impacts.

Task 5.3 Sediment Grab Samples and Cobble Count

To best identify a true representation of the material within Mill Creek, a Cobble Count will be completed to supplement the sieve analyses. Sieve analyses only account for smaller material within a streambed, as Cobble Counts account for larger material. This analysis provides a more complete and accurate depiction of actual gradation within the stream. For a given cross section, surface and subsurface samples will be taken in thalweg and approximately mean bed and a pebble count across the active channel extending 50' upstream and downstream of the cross section. Mill Creek will have 10 subsurface samples, and 10 surface samples taken, with 5 pebble counts.

Task 5.4 Cook Creek Baseline Event Long Term Model, Sensitivity Analyses (Optional)

The models will employ event-based and long-term hydrologic regimes based on the available streamflow gage records. Model processes and parameters to be considered for sensitivity analysis include, flow regime, transport relationships, bed sorting methods and iterations, sediment inflow, hydraulic roughness, bed-material gradation, time duration and intervals, and cross-section spacing. The bed sediment size distribution will be determined from sediment samples collected from Mill Creek for use in sedimentation analyses will be obtained during the geotechnical investigation. Given the characteristics of the source watershed and flood environment of Cook Creek, the likelihood of large debris impairing the function of diversion structures will be evaluated to assist in the determination of a successful design solution.

At this time, it is not anticipated that Bledsoe Creek will require a sediment transport model. Based on historical photographs over the last 20 years, the engineered trapezoidal channel upstream of Boulder Avenue appears clear of sediment and debris, which suggests sediment moves through system assuming no maintenance removal of sediment deposits occur.

Task 5 Deliverables:

- *Summary and Sediment Transport Model Results & Digital Files (Mill Creek)*
- *Summary Plot of Results of Stream Bed Profiles*



Task 6: Field Survey and Topographic Mapping

Approach

Task 6.1 Aerial Topography for Mill Creek Site

Q3 Team member Guida will field establish control based upon the California Coordinate System and local county/city benchmarks (unless otherwise directed by the client). Eight (8) Aerial Targets will be set for the new 1" = 100' scale aerial topography with 1' contours, planimetric data, topographic base mapping & GT-1000 LiDAR. Topography will be prepared in AutoCAD Civil 3D and will include a DTM surface, and Digital Orthographic Photo.

Task 6.2 Ground Survey for Basins and Diversions

Ground survey will be performed for each of the existing basin sites in the Mill Creek area (estimated 66) to identify their respective conduit characteristics such as type, size, and inverts. Ground survey will also cover the two existing diversion structures and the potential third location, currently an outlet into Mill Creek.

Task 6.3 Ground Survey for Cook Creek (Optional)

Ground survey will be performed for the existing Cook Creek outlet structure (culvert and apron) to supplement the available LiDAR topographic information. As part of the Cook Creek project, up to eleven surveyed cross sections through the creek will be performed at locations near the proposed Cook Creek widening, and proposed diversion location.

Task 6 Deliverables:

- AutoCAD Civil 3D dwg Aerial topography & LiDAR and Field Survey
- Field Sketches of Basin and Diversion Structures

Task 7: Geotechnical Site Investigation

Geotechnical input will inform multiple components of the project, including infiltration rates, sediment transport analyses, foundations for diversion structures, canal design, levee stability, creation of new and retrofit of existing recharge basins, and impacts of recharge on surrounding areas. Geotechnical engineering evaluations for Mill Creek, Bledsoe Creek (Optional) and Cook Creek (Optional) will rely on a substantial historical data review program that will be supplemented by a field exploration and laboratory testing program (at Mill Creek and Cook Creek as Optional). It is understood that the field exploration program will require permitting support prior to being accomplished; a task to be performed by the Conservation District with support from the Team.

Approach

Our geotechnical engineering approach is to perform sufficient data review to provide meaningful input into engineering analyses. For Bledsoe Creek (Optional), the data review will form the basis for all subsequent engineering analyses, since the RFP states that intrusive field exploration is not allowed. For Mill Creek, data review will support the engineering analyses, but more importantly, will be tailored to identify environmental concerns associated with former use of the site (rocket test facility). Though we understand that the groundwater plume is not expected to be negatively impacted by the proposed project improvements, it is important to understand whether there any deed or other restrictions that may limit the Conservation District's ability to perform the grading contemplated for the project. For Cook Creek (Optional), data review will include evaluation of the origin of the stockpiled cobbles and boulders, the makeup of the large stockpile to the west of the boulder stockpile, and the readily available historic geotechnical reports that have been prepared for the treatment plant and other adjacent developments.

Given the high density of cobbles and boulders observed within Mill Creek and strewn across the property, it is our opinion that investigation of the site using traditional drilling techniques will not yield reliable data for design. Use of drilling techniques suitable for on-site materials, such as air-rotary casing hammer (ARCH), roto-sonic, or Becker hammer, is possible, but are not cost-effective means of collecting the shallow subsurface information needed for this project. Our team therefore proposes to perform the field investigation at Mill Creek using an excavator with a 15-foot reach. The field explorations at the Mill Creek site may require support from a dozer to create access for



the field equipment. Further, modified borehole infiltration tests (referred to herein as standpipe infiltration tests (SITs)) will be performed within select test pits.

At the Cook creek site, it is unclear whether the cobbles/boulders present at the site were stockpiled from excavations within the City Creek Channel or from the site itself. Based on a cursory review of geologic reports, the bedrock at the site consists of the Potato Sandstone, which locally contains cobble-sized material, substantially smaller in dimension than the stockpiled boulders on the property. Therefore, we have budgeted to perform the field investigation at the Cook Creek site using a combination of test pits as described above and hollow-stem auger (HSA) borings. If the HSA borings are successful, we intend to perform borehole infiltration tests (BITs) in two borings. If the HSA drill rig cannot reach target depths due to oversize material, we intend to terminate the HSA borings and replace them with test pits and the BITs with SITs.

Task 7.1 Pre-Field Services.

Our pre-field services will include gathering and evaluating readily available existing geotechnical data for the three sites from a variety of sources and developing a list of references to be obtained by the Conservation District from Flood Control. In addition, we will obtain and review available environmental documentation regarding potential for soil contamination due to the historic activities at the former Grand Central Rocket Company/Lockheed Propulsion Company site (Mill Creek). This historical information may identify locations at the site that should not be disturbed.

Following our data review, and a two-day reconnaissance of the Mill Creek site with Conservation District Operations staff, we will develop field investigation plans (Mill Creek and Cook Creek only) showing the planned location of test pits, borings, SITs, BITs, and spoils piles to be investigated and submit them to the Conservation District for concurrence and for regulatory agency permitting (by the Conservation District). Since we are planning no backhoe test pits or other intrusive investigations within Mill Creek or Cook Creek, we do not expect any coordination with USACE will be necessary, however resource agency permits may be required within Conservation District property. We will obtain an encroachment permit as needed to drill within Highland Avenue (Cook Creek) to support levee design and excavation permits if required by the County. We will mark the exploration locations in the field and notify Dig-Alert of our intent to excavate. In addition, we will perform a seismic hazard evaluation for each site to establish seismic parameters for use in our engineering analyses.

Task 7.2 Sediment Transport Sampling (Mill Creek and Cook Creek [Optional])

To support sediment transport analyses, we will perform sieve analysis testing on soil samples collected by the team from the channel of Mill Creek and Cook Creek. We have assumed a total of 20 samples will be tested from Mill Creek and 10 samples from Cook Creek (Optional).

Task 7.3 Test Pits and Borings (Mill Creek and Cook Creek [Optional])

The Conservation District’s proposed improvements at Mill Creek include expansion of existing basins and construction of new basins, a conveyance canal, and a new diversion structure. To evaluate soil conditions in the vicinity of the proposed improvements, we intend to excavate test pits with a track-mounted excavator to depths ranging from approximately 8 to 15 feet below ground surface (bgs) as shown in the adjacent Test Pit Location table. A geologist or engineer will observe the stratigraphy during excavation, log the soils removed by the excavator, collect samples for laboratory testing, and photograph each excavation. Our staff will not enter any excavation deeper than four feet in accordance with OSHA guidelines. No excavations are currently planned within Mill Creek. Once the location and type of diversion structure has been established, the project team will confer with the Conservation District as to whether any investigation is needed within Mill Creek. This supplemental field investigation is not included in this scope of work. The excavator will also be used to sample existing stockpiles. We will perform gradation testing on select samples and provide input to the Conservation District as to the potential for use of the material for construction or other purposes. As noted previously, no intrusive field

Location of Test Pits (Mill)	Quantity	Depth (ft)
South of levee (diversions)	4	15
New canal	10	8
New basins	5	15
Expanded basins	8	8 to 15
Spoils piles	6	N/A



exploration is planned for Bledsoe Creek.

The Conservation District’s proposed improvements at Cook Creek (Optional) include a proposed diversion from Cook Creek, new infiltration basins, a desilting/water quality basin within Cook Creek upstream of the proposed diversion, a new approximately 850-foot-long levee along Highland Avenue and armoring or revetment along a yet-to-be-constructed development pad on the south side of Cook Creek. To evaluate soil conditions in the vicinity of the proposed improvements, including the stability of the slope forming the north side of the basins located on the north side of Cook Creek, we intend to excavate test pits with a track-mounted excavator to depths ranging from about 10 to 15 feet below ground surface (bgs) as well as drill HSA soil borings to target depths of about 30 to 50 feet bgs as shown in the adjacent Exploration Location table. As noted previously, test pits and borings will be logged by a geologist or engineer, photographed, and samples collected for subsequent laboratory testing. We will also observe the cobbles and boulders stockpiled at the site, collect representative samples, and return them to our laboratory for compression testing.

Location of Explorations (Cook)	Quantity	Depth (ft)
Test pits on stockpile	5	15
Test pits for basins	5 8	15 10
Test pits for levee	4	15
HSA borings for levee	5 1	30 50
Test pits for water quality basin	4	10

Task 7.4 Infiltration Testing (Mill Creek and Cook Creek (Optional))

Short term (unclogged) infiltration rates for existing and proposed basins at Mill Creek and proposed basins at Cook Creek will be evaluated by performing SITs within test pit excavations. The SITs will be performed at or near the proposed basin bottoms (depths ranging from 4 to 10 feet bgs depending on the test location) as summarized in the adjacent SIT and BIT Location Table. For the

Location of SITs and BITs	Quantity	Depth (ft)
Unmodified Basins (Mill) - SIT	8	4
Expanded Basins (Mill) - SIT	12	10
New Basins (Mill) - SIT	7	10
New Basins (Cook) - SIT	3	10
New Levee (Cook) - BIT	2	5 to 10

proposed levee at the Cook Creek site, short-term infiltration rates will be evaluated by performing BITs within two HSA borings drilled for the levee investigation. The BITs will be performed at depths of 5 to 10 feet bgs as the borings are advanced. At the target test depth, the drilling will be halted, the testing apparatus will be installed, and the test performed, the apparatus will be removed, and the drilling will be continued to the target depth.

The tests will be performed in general accordance with the County Stormwater Program’s Technical Guidance Document for Water Quality Management Plans, Appendix D. These short-term infiltration rates will be compared to established correlations between hydraulic conductivity and grain size distribution tests performed on samples collected from the test pits. Clogging factors (factors of safety) will be developed based on the results of sediment transport modeling to establish long-term infiltration rates. Infiltration rates for the Bledsoe Creek site will be estimated based on available subsurface information collected during the data review.

Task 7.5 Levee Evaluation (Optional)

The existing uncertified Bledsoe Creek levee located south/southeast of the proposed Bledsoe Creek basins will be evaluated based solely on information that can be gained from the data review. The team will perform an inspection of the levee, generally following the Flood Damage Reduction Segment/System Inspection Report for levee embankments. Using data collected from this inspection, available geotechnical information, and engineering parameters developed in Task 7.6, we will develop two cross-sections and evaluate the seepage and stability of the levee under flood conditions. It should be clearly understood that this analysis will not constitute an evaluation sufficient for levee certification but should provide a qualitative evaluation of the suitability of the levee for flood control purposes, and subsequent field exploration, laboratory testing, and engineering analyses will be needed in order to certify the levee. As an optional task, we can develop a new levee cross-section and recommended minimum levee strength parameters (based on use of on-site materials) that would result in a stable levee configuration considering transient seepage conditions.



For the Cook Creek site, we will evaluate the results of the field and laboratory testing programs, perform geotechnical engineering analyses including seepage and slope stability, and provide geotechnical recommendations for the preliminary design and construction of the proposed levee to meet FEMA accreditation guidelines. We will also complete the necessary geotechnical components of the application for a Conditional Letter of Map Revision (CLOMR).

For the Mill Creek site, we will evaluate the geotechnical aspects of the penetration through the existing levee and/or floodwall created by the new diversion. Our analyses will provide due consideration of the following USACE engineering standards, considering that field investigation and laboratory testing cannot be performed for the Bledsoe Creek levee:

- EM 1110-2-1913 “Design and Construction of Levees”, dated 30 April 2000
- ETL 1110-2-569 “Design Guidance for Levee Underseepage”, dated 1 May 2005
- Engineer Research and Development Center (ERDC) TR-16-8, Transient Seepage Analyses in Levee Engineering Practice, July 2016.
- EM 1110-2-1902, Slope Stability, October 31, 2003.

Task 7.6 Engineering Analyses for Basins, Canals, and Diversion Structures

Using the information gained from the data review and the results of the field and laboratory testing, as applicable, we will evaluate the stability of new basin slopes at all three sites and canal slopes at Mill Creek and estimate seepage through existing and proposed slopes. Though existing embankments at Mill Creek are not being investigated, we will evaluate slope stability and seepage through select embankments under static, static + seepage, and earthquake loading conditions. For Mill Creek, embankments for expanded basins are expected to match the elevation of existing embankments. New basins at Mill Creek are expected to be incised to the extent possible and be no higher than existing embankments. For the proposed Bledsoe Creek basins, we will assimilate the existing geotechnical data obtained through the data review process, develop conservative shear strength parameters and hydraulic conductivity values, and evaluate allowable slope heights and inclinations based on these assumed values. Our seepage and slope stability evaluations for the sites will be performed using the computer programs SEEP/W and SLOPE/W from Geo-Slope. In addition, we will perform engineering analyses to support shallow foundation design and temporary excavations (earth pressures and shoring) for diversion structures.

Task 7.7 Reporting

Results of the data review, field and laboratory test programs, and engineering analyses will be summarized in three separate technical memoranda, one for each site. Draft technical memoranda will be circulated to the Conservation District for review, and following receipt and resolution of comments, the final technical memoranda will be prepared to incorporate those comments.

Task 7.8 Liquefaction (Optional)

In order to evaluate the effect that additional groundwater infiltration at the site could have on liquefaction potential, Kleinfelder will drill three borings at the Mill Creek site, perform laboratory grain-size distribution testing, and evaluate the potential for liquefaction triggering. The borings will be drilled to a maximum depth of 50 feet below ground surface (bgs) near the southwest, south central, and southeast portions of the Conservation District property using a truck-mounted CME-95 drill rig equipped with hollow-stem augers. Standard Penetration Test (SPT) samples will be taken at approximately 5-foot intervals within each boring. Soil samples obtained from the SPT split-spoon sampler will be returned to Kleinfelder’s laboratory for grain-size distribution testing. Using the results of the background data review, the field and laboratory testing programs, and the earthquake parameters obtained from our seismic hazard analysis, we will evaluate the potential for liquefaction under groundwater scenarios provided by Geosciences. Similar analyses will be performed for the Cook Creek site based on one boring that will be extended to a depth of 50 feet bgs.

Given the coarse-grained nature of the soils expected to be encountered at the site (sand, gravel, cobbles, and boulders), it is likely that difficult drilling conditions will be encountered, and calculated SPT blow counts may be



affected by the coarse-grained materials. Drilling refusal short of the target depth of 50 feet bgs may occur, and we have allowed time in our budget to relocate/redrill borings in these instances to attempt to reach the target depth. We also intend to record SPT blow counts per inch of penetration (instead of the more routine 6 inches of penetration) to try to observe the effects of coarse material on the blow counts. However, drilling conditions may be such that planned depths may not be reached. If this is the case, qualitative conclusions will be provided regarding the potential for liquefaction at these sites.

The results of liquefaction evaluations will be incorporated into the geotechnical reports.

Task 7 Deliverables:

- *Geotechnical Study for Mill Creek Site*
- *Geotechnical Study for Bledsoe Creek Site (Optional)*
- *Geotechnical Study for Cook Creek Site (Optional)*
- *Liquefaction Analysis (Optional)*

Task 8: Groundwater Analysis

The groundwater analysis will be performed in concert with the surface hydraulic calculations. The impacts of mounding will be established based on the existing conditions groundwater models and set initial guidelines as to how deep and proximity each basin. Once basin criteria are established, alternatives for basin sizes and depths will be developed and analyzed from a surface modeling perspective. These findings will be refined by further groundwater modeling until an optimized solution is identified.

Approach

Task 8.1 Recharge Analysis Mill Creek Basins (Bledsoe & Cook Creek Basins Optional)

Our Team will refine and utilize a reservoir spreadsheet model developed for the Valley District to manage recharge operations for stormwater capture, imported water recharge, and recycled water recharge to calculate the amount of groundwater recharge. The reservoir spreadsheet model refinement will include updating the model with the newly collected geohydrologic data including basin storage-area depth relationships, infiltration rates, decay of infiltration rates, and stormwater inflow. For each of the recharge site configurations (e.g., diversion structures, pipe sizes, routing, and gate open and close), groundwater recharge will be computed for the average annual storm. This model will be performed for the average annual storm event using the storage volume determined, infiltration test results, and clogging factors determined from the sediment transport analysis. Recharge will be performed for “no clogging and clogging scenarios for up to three alternatives for both Mill Creek basins and Bledsoe Creek (Optional) basin. A comparison will be performed for the existing versus proposed condition for the selected options.

Task 8.2 Groundwater Modeling Mill Creek Basins (Bledsoe and Cook Creek Basins Optional)

The main objective of this task is to predict groundwater recharge volume for different hydrologic scenarios and to provide necessary information for the assessment of levee and basin berm stability and liquefaction potential for the surrounding area. The groundwater model will also be used simulate the groundwater mounding accurately to assist the design of the Mill Creek spreading grounds to optimize the amount of groundwater recharge.

Development of Focused Groundwater Model. A new focused groundwater model will be developed using data from the existing Integrated Santa Ana River Model as well as newly collected geohydrologic data from this Project (e.g., land surface surveys) to simulate groundwater levels for the analysis of slope stability, potential liquefaction, and recharge capacity (e.g., any rejected recharge). This new focused model will be recalibrated to ensure that the calibration performance in the Mill Creek Basins, Bledsoe Creek (Optional) and Cook Creek (Optional) Basins area meets industry standards. The computer code used for the groundwater model is the MODFLOW developed by the US Geological Survey.

Groundwater Model Scenarios. Model scenarios will be performed for Mill Creek Basins, Bledsoe (Optional), and Cook Creek (Optional) basins based on results of the recharge volume analysis discussed above. If the maximum estimated groundwater recharge is projected cause negative impacts on slope stability or exceeds the potential



liquefaction threshold, an evaluation using the second-highest estimated amount of groundwater recharge will be made. This iterative process will continue until no negative impacts from the groundwater recharge are anticipated. The groundwater model will also be used to help the design of the Mill Creek spreading grounds to optimize the amount of groundwater recharge. It is expected that Mill Creek basins will include up to 5 model scenarios. For the optional Bledsoe and Cook sites, it is expected that only two (2) model scenarios will be needed.

Task 8 Deliverables:

- *Summary of Results for Recharge Analysis*
- *Digital files for Reservoir Spreadsheet (Excel)*
- *Summary of Results for Groundwater Modeling for Each Alternative*

Task 9: Preliminary Design Plans

This task includes the preparation of preliminary plans for each site showing the variations of alternatives. Concept plans will be priced based on the defined task for 30% concept plans identified in the RFP. The goal of this task is to prepare exhibits to detail the efforts and results of the supporting tasks. *In an effort to reduce costs, Q3 believes this can be achieved using fewer “sheets” and more exhibit-based graphics to depict the alternatives.*

Once the 30% design plans (exhibits) are complete, a presentation will be given to the Conservation District to go over the alternatives and the advantages/disadvantages of each. Once reviewed by the Conservation District and a plan recommended, a 65% plan set will be developed for each recommended alternative.

Approach

Task 9.1 Mill Creek Concept Design Plans (30%)

Mill Creek Diversions Preliminary Plans (3). Preliminary designs will include three (3) diversion structure candidate alternatives, one of which will be modeled after the Conservation District’s current diversion improvement project within Mill Creek. Plans will be prepared with consideration of standard SBCFCD, FEMA and USACE design requirements, where they govern. For the through-levee diversion(s) or modifications to the existing diversions, potential impacts to the USACE levee and floodwall will be evaluated and identified. The scale of the plans of the diversions will be completed per the RFP. It is estimated that a total of 5 sheets (1”=20”) will be required for the diversions. One sheet at each of the two existing through levee locations, one sheet at the new proposed diversion, and two (2) for the in-stream diversions (soft plug). With up to three (3) alternatives at each location, the number of sheets is estimated to be 15.

Mill Creek Basins Preliminary Plans. Concept exhibits (30% plans) will be prepared per the requirements set forth in the RFP. It is anticipated that multiple basins can be shown on a single sheet using a 1”= 100’ scale. Using a standard 24x36 sheet, this could cover approximately 2,000 x 2,400 linear feet. To cover all basins and proposed canal, it is anticipated that 10 sheets will be required. For three alternatives it is anticipated that subsequent alternatives will only require a few sheets additional. It is estimated that total of 20 sheets will be required, showing plan view improvements with depth call outs. These plans will include grading contours, structure callouts, general slopes, maximum depths, structure inverts, maximum flooded extents, with tables showing annual average flows and volumes for each basin.

Task 9.2a Bledsoe Creek Concept Design Plans (30%) (Optional)

Bledsoe Creek Diversion Plans. Concept exhibits will be prepared for three candidate concept plans for Bledsoe Creek based on the requirements identified in the RFP. A scale of 1”=20’ will be used to show three different Bledsoe Creek diversion structures and associated conduits into the basin. One plan sheet with three alternatives assumes six (3) sheets.

Bledsoe Creek Basin Preliminary Plans. Concept plans will be prepared for three alternative configurations of Bledsoe Creek. One single sheet at 1”=100’ scale per alternative will total an estimated three (3) sheets.

Task 9.2b Cook Creek Concept Design Plans (30%) (Optional)

Cook Creek Site Diversion Concepts. Concept exhibits will be prepared for three candidate concept exhibits for Cook Creek basins. The recommended concept will be developed for the 30% Design Plans.



Cook Creek Site 30% Design Plans: A scale of 1"= 20' will be used to show two different Cook Creek diversion structures and one City Creek diversion structure. One plan sheet for each alternatives & location assumes three (3) sheets.

Cook Creek Basins Preliminary Concepts. Concept exhibits will be prepared for three alternative configurations of Cook Creek. The recommended concept will be developed for the 30% Design Plans.

Cook Creek Basins Preliminary Plans. Concept plans will be prepared for the recommended alternative configuration of Cook Creek. One single sheet at 1"=100' scale per alternative will total an estimated three (3) sheets.

Cook Creek Channel Improvement Plan. Improvement plans will be developed for the upstream section of channel to be widened. Improvements will be applied to the right overbank area, and the channel invert. Improvements along the invert include grade stabilization for approximately 1,000 linear feet. It is expected that the recommended alternative will be developed with grade stabilization. A total sheet count is estimated to be two (2).

Cook Creek Levee Plan. Along the southern bank, adjacent to Highland Avenue, Q3 will develop concept plans for a proposed levee, based on the hydraulics and geotechnical data. It is estimated that the level will be approximately 950 linear feet. It is estimated that two (2) sheets will be required.

Task 9.3 Alternatives Summary Presentation

The Team will produce a summary technical memorandum (TM) of the alternative results, including the concept plan exhibits. A presentation will be provided to the Conservation District highlighting each alternative and their results. The goal of this TM and associated presentation is to help garner a recommended alternative for both Mill Creek, Bledsoe Creek, and Cook Creek systems.

Task 9.4 Mill Creek Recommended Preliminary Plans (65%)

Based on a thorough review of the 30% design alternatives, the Q3 Team will prepare a recommended alternative 65% plan set for both the diversion structures and the recharge basin system. Per the RFP, the new design plans will include an overall site demolition plan, Canal Plan and Profile Sheets at 1"=100' horizontal to 1"=10' vertical maximum scale. Spillways, diversion structures, energy dissipators and low flow conduits will be detailed a 1"=20' scale. An estimated sheet count for the 65% design is included below for a total of 34 Sheets.

- Title Sheet (1)
- Overall Site Plan (1)
- Site Demolition Plan (5)
- Grading Plan (10)
- Canal Plan and Profile (8)
- Spillway Detail Sheets (4)
- Diversion Structure Detail Sheets (5)

Task 9.5 Bledsoe Creek Recommended Preliminary Plans (65%) (Optional)

Similar to Mill Creek, the recommended City Creek and Bledsoe Creek diversions and basin design will be prepared to 65%. The new design plans will include an overall site demolition plan, and Profile Sheets at 1"=100' horizontal to 1"=10' vertical maximum scale. Spillways, diversion structures, energy dissipators and low flow conduits will be detailed a 1"=20' scale. The estimated sheet count for the 65% design is included below for a total of 8 Sheets.

- Title Sheet (1)
- Overall Site Plan (1)
- Site Demolition Plan (1)
- Grading Plan (1)
- Spillway Details (2)
- Diversion Structure Detail (2)

Task 9.6 Cook Creek Recommended Preliminary Plans (65%) (Optional)



Similar to Mill Creek, the recommended Cook Creek and diversions and basin design will be prepared to 65%. The new design plans will include an overall site demolition plan, and Profile Sheets at 1"=100' horizontal to 1"=10' vertical maximum scale. Spillways, diversion structures, levee, energy dissipators and low flow conduits will be detailed a 1"=20' scale. The estimated sheet count for the 65% design is included below for a total of 8 Sheets.

- Title Sheet (1)
- Overall Site Plan (1)
- Site Demolition Plan (1)
- Basin Grading Plan (2)
- Channel Improvement Plan/Profile (2)
- Levee Grading Plan (2)
- Spillway Details (1)
- Diversion Structure Detail (2)
- Rough Grading Pad & Slope Protection (1)

Task 9 Deliverables:

- Mill Creek: 30% Concept Plan Exhibits for 3 Diversions & 3 Basin Alternatives & Canal(s)
- Bledsoe Creek: 30% Concept Plan Exhibits for 3 Diversions & 3 Basin Alternatives (Optional)
- Cook Creek: 30% Concept Plan Exhibits for 2 Diversions & 3 Basin Alternatives (Optional)
- Summary TM & Presentation
- Mill Creek 65% Plans for Recommended Alternative Basins, Diversions, and Canal
- Bledsoe Creek 65% Plans for Recommended Alternative Basin, Diversion (Optional)
- Cook Creek 65% Plans for Recommended Alternative Basin, Diversion. Levee (Optional)
- CADD Files

Task 10: Evaluation of Preliminary Design Results

Task 10.1 – Final Technical Memorandum (Basis of Design)

After completion of the 65% plan sets for both sites, the Q3 Team will prepare a Final Technical Memorandum discussing in more detail each of the recommended alternatives. The information will support the design of the recommended alternatives and include summary of all tasks and preliminary quantities estimate. Information will also include final exhibits and calculations supporting the proposed designs of each facility, including hydrology, hydraulics, and groundwater modeling.

The report will also address the compliance of each alternative to SBCFCD and USACE design standards in addition to FEMA levee certification requirements where applicable. This report will serve as a basis of design for each of the recommended alternatives. This report will include the Final Geotechnical Reports and Final Groundwater Study.

Task 10.2 – Quantity Estimates

Quantity estimates will be prepared for both 30-percent design and updated during the 65-percent design. Preliminary estimates will include grading quantities for all basins in the Mill Creek and City/Bledsoe Creek (Optional) sites for each of the alternatives. Options for fill placement will be evaluated and identified as part of this task.

Task 10 Deliverables:

- Final Project Report for Mill, City/Bledsoe (Optional), and Cook Creek (Optional) Sites
 - o Recommended Alternative Final Hydrology & Hydraulics & Groundwater Analyses
 - o Final Project(s) Exhibits
- Quantity Estimates for 30- and 65-Percent Concepts

Task 11: Conditional Letter of Map Revision – City Creek (Optional)

Task 11.1 – FEMA Data Request and FIS Review

The Q3 Team will provide engineering services to submit a data request to FEMA to acquire available data to support the current City Creek DFIRM. Once received, the data will be reviewed to better understand that establishment of the current Zone A designation within the project area. Request will include the Flood Insurance Study (FIS) and any digital HEC-RAS files that may be available and help us tie-into the FEMA models upstream and downstream.



FEMA will charge a processing fee of \$300 - \$500, which will be billed as a reimbursable.

Task 11.2 – Floodplain Mapping and Analysis

Services will be provided to modify the project model to prepare HEC-RAS hydraulic models for the study reach based on the DFIRM (including cross sections and stations) and the 100-year flowrate identified in the effective FIS.

It is expected that FEMA will not have any existing models to develop new models from. A corrected effective model will need to be developed for the existing (baseline) conditions. Q3 will use current “Existing Condition” models (prepared as part of this project) to develop corrected effective. Using the corrected effective model, Q3 will develop a project condition model that will form the basis for the revised floodplain mapping. The model will extend from just downstream of Base Line Street to the 210 Freeway.

Currently, not floodway has been mapped within the project reach. It is anticipated FEMA will not request a floodway analysis within the project reach.

Q3 will establish a Base Flood Elevation along the channel reach using the FEMA accepted flowrate of the channel. An exhibit will be developed showing the preliminary result to use as an estimate for maximum water surface elevation and to assist in grading of the site. It is anticipated that the newly developed 100-year flow will be used to establish the floodplain. IF, the FEMA flowrate is less than the newly calculated Q100, Q3 could (with the District’s approval) the lower flowrate to evaluate the project impacts.

Task 11.3 – CLOMR Application Package

Q3 will prepare a Conditional Letter of Map Revision (CLOMR) submittal package to FEMA for improvements at the project site. The submittal package will include the related FEMA MT-2 application forms and appropriate data outlined in the *Application/Certification Forms and Instructions for Conditional Letters of Map Revision, Letter of Map Revision, and Physical Map Revisions* prepared by FEMA. A formal cover letter and technical report will be developed describing the submittal package and the documentation for the map revisions.

The District shall assist in obtaining the Property Owners and City signatures required on the MT-2 form. Q3 will provided the completed form for signature.

Q3 shall prepare exhibits for the floodplain analysis that are digitally based using both CAD and GIS which shall include:

- (1) Detailed “work-map” which provides the flood model information along with the extent of the existing or “effective” floodplain limits,
- (2) Proposed condition 100-year floodplain and floodway map, and
- (3) Annotated FIRM with the revised calculated limits of the floodplain and floodway boundaries.

The work maps shall illustrate the geometric data used in the analysis, proposed improvement information within the floodplain, and the limits of the floodplain and floodway revisions. Q3 shall prepare an annotated Flood Insurance Rate Map (FIRM) for the panel or DFIRM containing the project, indicating the extent or limits of the hazard mapping revision.

Task 11.4 – FEMA CLOMR Processing and Additional Information Requests

Q3 will provide engineering services for the processing of the CLOMR submittal package with the County and FEMA staff, including FEMA’s reviewing consultant. Processing will include correspondences with FEMA and their reviewing consultant. Additional Information Requests from FEMA will be addressed during the review process which may require additional technical analysis to be submitted to satisfy the reviewer questions during this process. 24 man-hours were budgeted since it is difficult to estimate the type or nature of additional information requests that FEMA may initiate, since each project is generally unique in this respect.

Task 12: Preliminary CLOMR Study – Cook Creek (Optional)

The current Cook Creek and the project site resides in a Zone D, or “areas of undetermined flood hazard”. City Creek, upstream of Highland Avenue is also mapped as Zone D, where south of Highland Avenue, City Creek is mapped as Zone A. At this time, it is not understood if FEMA will require an existing condition mapping of City



Creek, north of Highland Avenue to supplement the mapping of Cook Creek at the confluence. Below, an optional task is given if FEMA requires this to be completed as part of the demarcation.

Task 12.1 – Floodplain Mapping and Analysis (Cook Creek)

Services will be provided to modify the project model to prepare HEC-RAS hydraulic models for the study reach from the confluence of City Creek/Cook Creek to approximately 2,000 linear feet upstream (along Cook Creek). This model will be based on the project identified 100-year flowrate.

It is expected that FEMA will not have any existing information or models to develop new models from. No corrected effective model will be needed, since this section of channel is unmapped, but a the existing (baseline) conditions will be prepared based on both the existing conditions and the project (recommended) alternative. Q3 will use current “Existing Condition” models (prepared as part of this project). The project condition model will form the basis for the revised floodplain mapping. It is anticipated FEMA will not request a floodway analysis within the project reach.

Q3 will establish a Base Flood Elevation along the channel reach using the FEMA accepted flowrate (Q100) of the channel for both Existing and Project conditions. An exhibit will be developed showing the preliminary result to use as an estimate for maximum water surface elevation and to assist in grading of the site. It is anticipated that the newly developed 100-year flow will be used to establish the floodplain.

Task 12.2 – Floodplain Mapping and Analysis City Creek (Optional)

If necessary, Q3 will provide services to develop and prepare HEC-RAS models for City Creek from Highland Avenue, to approximately 1,700 linear feet upstream. The purpose of this mapping is to identify the floodplain within the proposed project site from City Creek. The results of this model will be combined with the results of the Cook Creek models.

It is expected that FEMA will not have any existing information or models to develop new models from. No corrected effective model will be needed, since this section of channel is unmapped, but a the existing (baseline) conditions will be prepared based on both the existing conditions and the project (recommended) alternative. Q3 will develop an “Existing Condition” model based on available LiDAR data and County hydrology. The project condition model will be evaluated assuming the Cook Creek recommended basins and potential Levee are in place. It is anticipated FEMA will not request a floodway analysis within the project reach, as no floodway is identified downstream.

Q3 will establish a Base Flood Elevation along the channel reach using the FEMA accepted flowrate (Q100) of the channel for both Existing and Project conditions. An exhibit will be developed showing the preliminary result to use as an estimate for maximum water surface elevation and to assist in grading of the site. It is anticipated that the newly developed 100-year flow will be used to establish the floodplain.

Attachment B

FEE PROPOSAL

ARTP Mill Creek and City/Bledsoe Creek (Optional) Diversion and Basin(s) Preliminary Design and Feasibility Study Support

March 1, 2022

Q3 Consulting		Labor Category:	Labor Hours and Rates						Q3 TOTAL HOURS	Q3 CONSULTING LABOR FEE	Subconsultants						TOTAL HOURS	OTHER DIRECT COSTS (ODC's)	TOTAL FEE
			Project Director	Project Manager/Task Manager	Senior Engineer	Project Engineer	Design Engineer	CADD/GIS			KLIENFELDER		GEOSCIENCE		GUIDA				
											Hours	Fee	Hours	Fee	Hours	Fee			
Task No.	Task	\$240	\$208	\$208	\$170	\$154	\$118												
1	Project Management and Meetings	83	164	18	36	18		319	\$66,668.00	138	\$27,520.00	76	\$20,661.00	3	690	536		\$115,539.00	
1	Project Management & Administration	30	72					102	\$22,176.00	35	\$5,875.00	28	\$7,448.00					\$35,499.00	
2	Kick-off meeting	3	12	6	6	6		33	\$6,408.00	8	\$2,120.00	6	\$1,636.00	3	\$690.00			\$10,854.00	
3	Conservation District Status Meetings (30)	30	60	12	30	12		144	\$29,124.00	55	\$9,325.00	42	\$11,577.00					\$50,026.00	
3a	Field Meeting w/ Operations Staff (Mill Creek) - 2 Days	20	20					40	\$8,960.00	40	\$10,200.00							\$19,160.00	
2	Hydrology	2	11	64	76	32		185	\$33,928.00							185		\$33,928.00	
	Hydrology/Hydraulics Data Research & Review	2	3	24	24			53	\$10,176.00									\$10,176.00	
1	Mill Creek Hydrology (Q100, Annual Average)		4	24	32	24		84	\$14,960.00									\$14,960.00	
	Rain on Grid Local Hydrology (2D)		4	16	20	8		48	\$8,792.00									\$8,792.00	
2	Bledsoe Creek Hydrology (Q100, Annual Average)		4	24	32	24		84	\$14,960.00									\$14,960.00	
3	City Creek Hydrology (Q100) Hydrograph Development		1	6	8	4		19	\$3,432.00									\$3,432.00	
4	Cook Creek Hydrology (Q100, Annual Average)		1	24	40	40		105	\$18,160.00									\$18,160.00	
3	Hydraulics	7	87	216	312	224		846	\$152,240.00							846		\$152,240.00	
1	Mill Creek Diversions																		
	Field Site Inspection		8		8	8		24	\$4,256.00									\$4,256.00	
	Data Research & Review		2	16	24	8		50	\$9,056.00									\$9,056.00	
	Major Storm Existing Condition Channel Hydraulics (Q100 & SPF)		8	24	40	16		88	\$15,920.00									\$15,920.00	
	Minor Storm Existing/Proposed Condition Diversion Structure Analyses	1	4	8	8	8		29	\$5,328.00									\$5,328.00	
	Major Storm Proposed Condition Channel Models	1	2	16	16	8		43	\$7,936.00									\$7,936.00	
	Existing Diversions Through Levee Analyses		2	8	8	16		34	\$5,904.00									\$5,904.00	
	Proposed Diversions Through Levee Hydraulics		4	16	20	8		48	\$8,792.00									\$8,792.00	
2	Mill Creek Basins & Canal Hydraulics (3 Alternatives)																		
	Envirometnal Review of Available Basin Footprints		8		8	16		32	\$5,488.00									\$5,488.00	
	Existing Condition Model (Basins/Diversions - Baseline)	1	8	24	40	16		89	\$16,160.00									\$16,160.00	
	Proposed Desilting Basins Model		1	16	16	8		41	\$7,488.00									\$7,488.00	
	Proposed Distribution Channel Model	2	8	24	24	8		66	\$12,448.00									\$12,448.00	
	Proposed Conditions Basins Models	2	24	40	60	80		206	\$36,312.00									\$36,312.00	
	Proposed New Basins Models		4	16	24	8		52	\$9,472.00									\$9,472.00	
	Spillway Sizing Q100		4	8	16	16		44	\$7,680.00									\$7,680.00	
3	Bledsoe Creek Diversions Hydraulics																		
	Field Site Inspection		8		8	8		24	\$4,256.00									\$4,256.00	
	Data Research & Review		2	12	16	8		38	\$6,864.00									\$6,864.00	
	Existing & Proposed Conditions Channel Hydraulics (Q100 & SPF)		8	24	40	16		88	\$15,920.00									\$15,920.00	
	Existing & Proposed Condition Average Annual Flow	1	4	16	16	8		45	\$8,352.00									\$8,352.00	
	Proposed Diversion Hydraulics (3 Alternatives)	1	2	8	16	12		39	\$6,888.00									\$6,888.00	
4	Bledsoe Creek Basin Analysis																		
	Comprehensive Model with Diversions (3 Alternatives)	1	8	16	40	24		89	\$15,728.00									\$15,728.00	
	Envirometnal Review of Available Basin Footprints		8		8	8		24	\$4,256.00									\$4,256.00	
	Spillway Sizing Q100		2	6	16	16		40	\$6,848.00									\$6,848.00	
5	City Creek Hydraulics																		
	Existing & Project Condition Channel Hydraulics (Q100)		4	8	40	32		84	\$14,224.00									\$14,224.00	
6	Cook Creek Channel & Diversions Analyses																		
	Major Storm Existing Condition Channel Hydraulics (Q100)		4	12	32	24		72	\$12,464.00									\$12,464.00	
	Minor Storm Existing/Proposed Condition Diversion Structure Analyses	1	8	20	16	16		61	\$11,248.00									\$11,248.00	
	Major Storm Proposed Condition Channel Models (Includes Channel Overbank Analyses)		4	16	40	40		100	\$17,120.00									\$17,120.00	
7	Cook Creek Basin Analysis																		
	Environmental Basin and Channel Footprint Evaluations		4		8	8		20	\$3,424.00									\$3,424.00	
	Proposed Basin Models (Comprehensive)	1	12	20	48	32		113	\$19,984.00									\$19,984.00	
	Spillway Sizing Q100		2	6	16	16		40	\$6,848.00									\$6,848.00	
8	Cook Creek Levee Analysis																		
	Left Bank Levee Alternative Models (Q100)	1	4	4	20	16		45	\$7,768.00									\$7,768.00	
4	Drain Time and Recharge Analysis		4		16	16		36	\$6,016.00							36		\$6,016.00	
1	Mill Creek Basins Drain Time and Recharge Analyses		4		16	16		36	\$6,016.00									\$6,016.00	
2	Bledsoe Creek Basin Drain Time & Recharge Analyses		2		4	2		8	\$1,404.00									\$1,404.00	
3	Cook Creek Basin Drain Time & Recharge Analyses		2		8	8		18	\$3,008.00									\$3,008.00	
5	Sediment Transport and Sedimentation Analyses	3	5	132	144			284	\$53,696.00							284	\$200.00	\$53,896.00	
1	Mill Creek Baseline Event Long Term Model, Sensitivity Analyses	1	2	80	80			163	\$30,896.00									\$30,896.00	
2	Mill Creek Sediment Transport Alternative Analyses	2	2	24	40			68	\$12,688.00									\$12,688.00	
3	Sediment Grab Samples and Cobble Count (Mill Creek)		1	28	24			53	\$10,112.00								\$200.00	\$10,312.00	
4	Cook Creek Baseline Event Long term Model, Sensitivity Analyses	1	2	64	72			139	\$26,208.00									\$26,208.00	
5	Cook Creek Sediment Transport Alternative Analyses	2	2	24	40			68	\$12,688.00									\$12,688.00	
6	Sediment Grab Samples and Cobble County (Cook Creek)		1	20	20			41	\$7,768.00								\$200.00	\$7,968.00	
6	Survey		6		8			14	\$2,608.00					382	\$122,365.00	396		\$124,973.00	
1	Aerial Topograhry for Mill Creek Site		2		4			6	\$1,096.00					40	\$29,705.00			\$30,801.00	
2	Ground Survey for Mill Creek Site		4		4			8	\$1,512.00					342	\$92,660.00			\$94,172.00	
3	Ground Survey for Cook Creek Site		2		4			6	\$1,096.00					103	\$22,210.00			\$23,306.00	
7	Geotechnical Investigations	2	14	1				17	\$3,600.00	1220	\$461,539.00					1237		\$465,139.00	
1	Pre-Field Services (Review/Available Data/Explorations/Seismic Hazard/Permitting Support for Borings)																		
	Mill Creek - Data compilation/review		1					1	\$208.00	130	\$24,790.00							\$24,998.00	

Attachment B

FEE PROPOSAL

ARTP Mill Creek and City/Bledsoe Creek (Optional) Diversion and Basin(s) Preliminary Design and Feasibility Study Support

March 1, 2022

Q3 Consulting		Labor Category:	Labor Hours and Rates						Q3 TOTAL HOURS	Q3 CONSULTING LABOR FEE	Subconsultants				TOTAL HOURS	OTHER DIRECT COSTS (ODC's)	TOTAL FEE		
			Project Director	Project Manager/Task Manager	Senior Engineer	Project Engineer	Design Engineer	CADD/GIS			KLIENFELDER		GEOSCIENCE					GUIDA	
											Hours	Fee	Hours	Fee				Hours	Fee
Task No.	Task	\$240	\$208	\$208	\$170	\$154	\$118												
	Mill Creek - Field investigation plan, permit support									42	\$7,110.00					\$7,110.00			
	Mill Creek - Seismic hazard evaluation									30	\$6,250.00					\$6,250.00			
	Bledsoe Creek - Data compilation/review		1					1	\$208.00	40	\$7,320.00					\$7,528.00			
	Bledsoe Creek - Seismic hazard evaluation									30	\$6,250.00					\$6,250.00			
	Cook Creek - Data compilation/review									40	\$8,280.00					\$8,280.00			
	Cook Creek - Field investigatin plan, permit support									24	\$4,440.00					\$4,440.00			
	Cook Creek - Seismic hazard evaluation									30	\$6,250.00					\$6,250.00			
2	Sediment Transport Testing																		
	Mill Creek - Lab Testing			1				1	\$208.00	4	\$620.00					\$828.00			
	Cook Creek - Lab Testing			1				1	\$208.00	4	\$620.00					\$828.00			
3	Test Pits (Mark locations, coordination, preparation, excavating, sampling, backfilling)																		
	Mill Creek Site		1					1	\$208.00	190	\$30,150.00					\$30,358.00			
	Cook Creek Site		1					1	\$208.00	219	\$35,365.00					\$35,573.00			
4	Infiltration Testing -(Mark locations, excavate pits, testing, analyze data)																		
	Mill Creek Site		1					1	\$208.00	361	\$58,515.00					\$58,723.00			
	Cook Creek Site		1					1	\$208.00	56	\$9,420.00					\$9,628.00			
5	Levee Evaluations																		
	Mill Creek Levee/Floodwall Penetratinon	1	1					2	\$448.00	70	\$13,650.00					\$14,098.00			
	Bledsoe Creek (Inspection, develop strengths/X-sections, seepage/slope stability/deformation analyses)							2	\$416.00	78	\$15,810.00					\$16,226.00			
	Optional - Recommendations for New Levee (Bledsoe)							1	\$208.00	80	\$15,440.00					\$15,648.00			
	Cook Creek (Review, Snthesize data, X-section, seepage, slope stability, deformation)							1	\$208.00	74	\$14,470.00					\$14,678.00			
	Cook Creek CLOMR Input/Review							2	\$416.00	24	\$5,800.00					\$6,216.00			
6	Engineering Analysis for Basins, Canals, and Diverisons																		
	Mill Creek (Assign lab, review, develop strength parmeters/X-sections, seepage, slope stability, diversion foundations)	1	2					3	\$656.00	148	\$27,180.00					\$27,836.00			
	Bledsoe Creek (X-Section, Seepage, Slope Stability)	1	1					2	\$448.00	62	\$11,930.00					\$12,378.00			
	Cook Creek (X-Section, seepage, slope stability, diversion foudations, synthesize data)	1	1					2	\$448.00	66	\$11,910.00					\$12,358.00			
	Cook Creek (liquefaction analysis)									6	\$1,210.00					\$1,210.00			
7	Reporting																		
	Draft TM - Geotechnical Study-Mill Creek							1	\$208.00	132	\$23,220.00					\$23,428.00			
	Final TM - Geotechnical Study-Mill Creek							1	\$208.00	36	\$6,260.00					\$6,468.00			
	Draft TM - Geotechnical Study-Bledsoe Creek							1	\$208.00	60	\$10,940.00					\$11,148.00			
	Final TM - Geotechnical Study-Bledsoe Creek							1	\$208.00	26	\$4,770.00					\$4,978.00			
	Optional - Draft TM Levee Evaluation (New Bledsoe Levee Alt.)							1	\$208.00	22	\$4,010.00					\$4,218.00			
	Optional - Final TM Levee Evaluation (New Bledsoe Levee Alt.)							1	\$208.00	12	\$2,180.00					\$2,388.00			
	Draft TM - Geotechnical Study-Cook Creek							1	\$208.00	82	\$14,950.00					\$15,158.00			
	Final TM - Geotechnical Study-Cook Creek							1	\$208.00	38	\$6,950.00					\$7,158.00			
8	Liquifaction Analysis - Mill Creek (Optional) ²																		
	Field Exploration (Mark locations, coordination, drilling, sampling, logging, and backfilling)							1	\$208.00	47	\$7,625.00					\$7,833.00			
	Engineering Analysis (Assign lab, review, synthesize data, develop x-section, liquifaction, settlement analysis)									13	\$2,315.00					\$2,315.00			
	Reporting - Draft & Final Tech memo							1	\$208.00	17	\$2,915.00					\$3,123.00			
	Geotechnical Site Investigation Reimbursables (w/ Optional)							4	\$832.00		\$250,939.00					\$251,771.00			
8	Groundwater Analyses		6		14			20	\$3,628.00			439	\$101,383.00		459	\$105,011.00			
	1 Recharge Analyses Mill Creek				6			9	\$1,644.00			76	\$17,170.00			\$18,814.00			
	1.b Recharge Analyses Bledsoe Creek (Optional)				2			3	\$548.00			34	\$7,541.00			\$8,089.00			
	1.c Recharge Analyses Cook Creek (Optional)				2			3	\$548.00			34	\$7,541.00			\$8,089.00			
	2 Groundwater Modeling Mill Creek				8			11	\$1,984.00			363	\$84,213.00			\$86,197.00			
	2.b Groundwater Modeling Bledsoe Creek (Optional)				4			5	\$888.00			82	\$18,886.00			\$19,774.00			
	2.c Groundwater Modeling Cook Creek (Optional)				4			5	\$888.00			82	\$18,886.00			\$19,774.00			
9	Concept Design Plans	46	120	48	552	396	252	1414	\$230,544.00			55	\$11,271.00		1469	\$241,815.00			
	1 30% Plans - Mill Creek (3 Sets)																		
	Title Sheet (1)	1	2		4	4		11	\$1,952.00							\$1,952.00			
	Overall Site Plan (1)	1	2		8	8		19	\$3,248.00							\$3,248.00			
	Conceptual Grading Plan (20)	12	40	24	120	80	80	356	\$58,352.00							\$58,352.00			
	Diversion Structure Details (15)	4	24	16	100	40	40	224	\$37,160.00							\$37,160.00			
	2a 30% Plans - Bledsoe Creek (3 Sets)																		
	Title Sheet (1)	1	1		4	4		10	\$1,744.00							\$1,744.00			
	Overall Site Plan (1)	1	1		8	8		18	\$3,040.00							\$3,040.00			
	Conceptual Grading Plan (3)	6	8	4	40	16	16	90	\$15,088.00							\$15,088.00			
	Diversion Structure Details (6)	4	8		40	24	16	92	\$15,008.00							\$15,008.00			
	2b 30% Plans - Cook Creek (3 Sets)																		
	Title Sheet (1)	1	1		4	4		10	\$1,744.00							\$1,744.00			
	Overall Site Plan (1)	1	1		8	8		18	\$3,040.00							\$3,040.00			
	Conceptual Grading Plan Basins (3)	2	4	2	36	16	16	76	\$12,200.00							\$12,200.00			
	Diversion Structure Details (3)	2	4	4	36	24	16	86	\$13,848.00							\$13,848.00			
	Channel Improvement Plan (Grade Stabilization & Overgank Extension) (2)	4	4	4	36	28	16	92	\$14,944.00							\$14,944.00			
	Levee Plan (2)	4	4		16	16		48	\$7,920.00							\$7,920.00			
	3 Summary Technical Memorandum & Presentation	4	24	8	40	40		116	\$20,576.00			55	\$11,271.00			\$31,847.00			
4	65% Plans - Mill Creek																		
	Title Sheet (1)	1	1		4	4		10	\$1,744.00							\$1,744.00			
	Overall Site Plan (1)	1	1		4	4		10	\$1,744.00							\$1,744.00			

Attachment B

FEE PROPOSAL

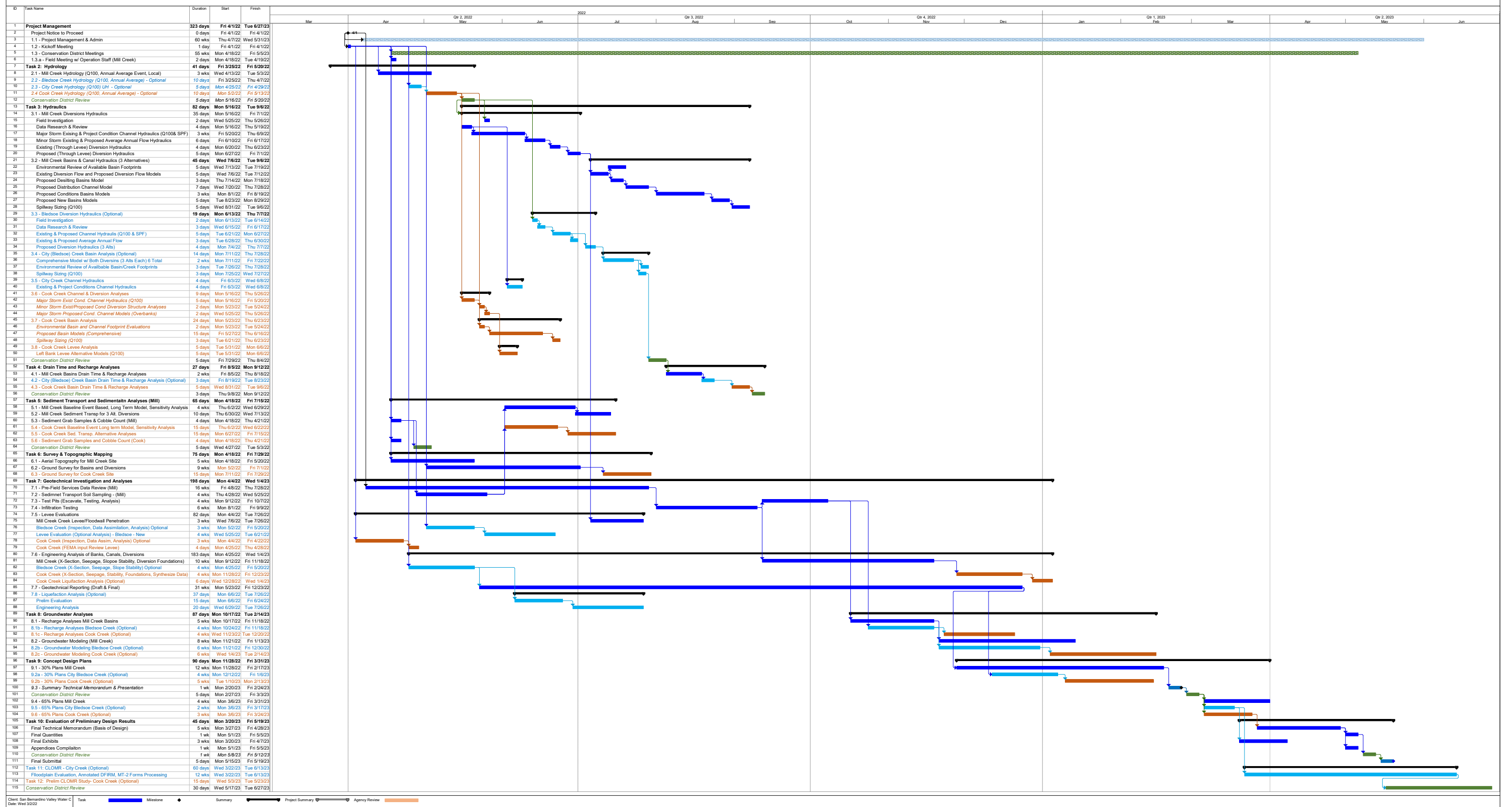
ARTP Mill Creek and City/Bledsoe Creek (Optional) Diversion and Basin(s) Preliminary Design and Feasibility Study Support

March 1, 2022

Q3 Consulting		Labor Category:	Labor Hours and Rates						Q3 TOTAL HOURS	Q3 CONSULTING LABOR FEE	Subconsultants						TOTAL HOURS	OTHER DIRECT COSTS (ODC's)	TOTAL FEE
			Project Director	Project Manager/Task Manager	Senior Engineer	Project Engineer	Design Engineer	CADD/GIS			KLIENFELDER		GEOSCIENCE		GUIDA				
											Hours	Fee	Hours	Fee	Hours	Fee			
Task No.	Task	\$240	\$208	\$208	\$170	\$154	\$118												
	Demolition Plan (5)	4	2		24	24	8	62	\$10,096.00								\$10,096.00		
	Basin Grading Plan (10)	6	4		80	40	40	170	\$26,752.00								\$26,752.00		
	Canal Plan and Profile (8)	6	12		80	80	40	218	\$34,576.00								\$34,576.00		
	Spillway/Energy Dissipator Details (4)	2	4		40	40	24	110	\$17,104.00								\$17,104.00		
	Diversion structure Details (5)	4	4		48	32	20	108	\$17,240.00								\$17,240.00		
5	65% Plans - Bledsoe Creek																		
	Title Sheet (1)	1	1		4	4		10	\$1,744.00								\$1,744.00		
	Overall Site Plan (1)	1	1		4	4		9	\$1,504.00								\$1,504.00		
	Demolition Plan (1)	1	1		20	8		30	\$5,080.00								\$5,080.00		
	Basin Grading Plan (1)	1	1		24	8	8	41	\$6,464.00								\$6,464.00		
	Spillway/Energy Dissipator Details (2)	2	4		16	16	12	50	\$7,912.00								\$7,912.00		
	Diversion structure Details & Profile (1)	1	1		20	8	8	38	\$6,024.00								\$6,024.00		
6	65% Plans - Cook Creek																		
	Title Sheet (1)	1	1		4	4		10	\$1,744.00								\$1,744.00		
	Overall Site Plan (1)	1	1		4	4		9	\$1,504.00								\$1,504.00		
	Demolition Plan (1)	1	1		8	4		14	\$2,424.00								\$2,424.00		
	Basin Grading Plan (2)	1	1		24	24	8	57	\$8,928.00								\$8,928.00		
	Channel Improvement Plan/Profile (4)	4	4		24	24	16	72	\$11,456.00								\$11,456.00		
	Levee Grading Plan (2)	6	8		16	16	8	54	\$9,232.00								\$9,232.00		
	Spillway Details (1)	1	1		16	24	8	50	\$7,808.00								\$7,808.00		
	Diversion Structure Details (2)	2	2		24	20	16	64	\$9,944.00								\$9,944.00		
	Rough Grading Pad & Slope Protection (2)	2	1		24	32	16	75	\$11,584.00								\$11,584.00		
10	Evaluation of Preliminary Design Results	3	37	28	84	108	32	292	\$48,928.00			88	\$15,949.00			380	\$64,877.00		
1	Final Technical Memorandum (Basis of Design), Final Exhibits, and Appendice Compilation (Mill Creek)	2	36	28	60	90	32	248	\$41,628.00			88	\$15,949.00				\$57,577.00		
1.b	Final Technical Memorandum (Basis of Design), Final Exhibits, and Appendice Compilation (Bledsoe Creek)	1	12	4	20	30	8	75	\$12,532.00			30	\$8,249.00				\$20,781.00		
1.c	Final Technical Memorandum (Basis of Design), Final Exhibits, and Appendice Compilation (Cook Creek)	2	16	8	24	32	12	94	\$15,896.00								\$15,896.00		
2	Quantities Estimates (Mill Creek)	1	1		24	18		44	\$7,300.00								\$7,300.00		
2.b	Quantities Estimates (Bledsoe Creek)		1		8	6		15	\$2,492.00								\$2,492.00		
2.c	Quantities Estimates (Cook Creek)	1	1		12	12		26	\$4,336.00								\$4,336.00		
11	Conditional Letter of Map Revision - City Creek (Optional)																		
1	FEMA Data Request and FIS Review		2	2	4			8	\$1,512.00								\$500.00		
2	Floodplain Mapping and Analysis		2	10	40	4	4	60	\$10,384.00								\$10,384.00		
3	CLOMR Application Package		3	2	60	8		73	\$12,472.00								\$12,472.00		
4	FEMA CLOMR Processing and Additional Info Requests	1	3	6	16	8		34	\$6,064.00								\$6,064.00		
12	Preliminary CLOMR Study - Cook Creek (Optional)																		
1	Floodplain Mapping and Analysis		2	10	16	4		32	\$5,832.00								\$5,832.00		
4	Floodplain Mapping and Analysis (w/ City Creek)	1	4	16	32	32		85	\$14,768.00								\$14,768.00		
	Subtotal Hours (Mill Creek)	146	454	507	1242	794	284	3427		1358		658		385	5828				
	Subtotal Cost (Mill Creek)	\$35,040	\$94,432	\$105,456	\$211,140	\$122,276	\$33,512		\$601,856		\$489,059		\$149,264		\$123,055		\$1,363,434.00		
	Miscellaneous Reimbursable Budget								\$6,018.56		\$4,890.59						\$10,909.15		
	Total Professional Fee (Mill Creek)																\$1,374,343		
	Subtotal Hours (Bledsoe Creek) Optional	23	114	148	578	318	72	1253		410		146			1809				
	Subtotal Cost (Bledsoe Creek) Optional	\$5,520	\$23,712	\$30,784	\$98,260	\$48,972	\$8,496		\$215,744		\$78,650		\$34,676				\$329,570		
	Miscellaneous Reimbursable Budget								\$2,157		\$787						\$2,944		
	Total Professional Fee (City/Bledsoe Creek)																\$332,514		
	Subtotal Hours (Bledsoe Creek) Optional	42	119	255	734	528	140	1818		663		116		103	2700				
	Subtotal Cost (Bledsoe Creek) Optional	\$10,080	\$24,752	\$53,040	\$124,780	\$81,312	\$16,520		\$310,484		\$119,665		\$26,427		\$22,210		\$479,486		
	Miscellaneous Reimbursable Budget								\$3,105		\$1,197						\$4,301		
	Total Professional Fee (Cook Creek)																\$483,787		

Notes: 1 See Subconsultant "Assumptions and Notes" for additional information for each subconsultant.
2 Optional Task fee has been included in Mill Creek Fee.

Attachment C
 ARTP Preliminary Schedule
 Mill, Bledsoe, & Cook Creeks
 Diversion & Basin(s) Prelim Design and Feasibility Study RFP



**CONTRACT SERVICES AGREEMENT
FOR PROFESSIONAL SERVICES
FOR FEASIBILITY STUDY SUPPORT**

THIS CONTRACT SERVICES AGREEMENT FOR PROFESSIONAL SERVICES FOR THE ACTIVE RECHARGE TRANSFER PROJECTS (ARTP) MILL, BLEDSOE AND COOK CREEK PRELIMINARY DESIGN AND FEASIBILITY STUDY SUPPORT (“Agreement”) is entered into by and between the **SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT**, a special district (“District”), and **Q3 CONSULTING**, a California corporation (“Consultant”), is effective upon signature by District and Consultant (“Effective Date”).

NOW THEREFORE, the parties hereto agree as follows:

1.0 SERVICES OF CONSULTANT

1.1 Scope of Services. In compliance with all of the terms and conditions of this Agreement, the Consultant shall provide and assist the District with providing expert technical assistance by analyzing potential impacts of certain proposed Active Recharge Transfer Project (ARTP) sites. Services to be performed include hydrological analyses, survey, geotechnical investigations, groundwater analyses, and constructability review. The scope does not include design-related tasks. Consultant shall perform all work according to the contract Scope of Work, schedule of performance, and schedule of compensation shown as Attachments A, B, and C to this Agreement, all of which are incorporated herein by reference.

1.2 Authorization to Begin and Schedule of Performance. Consultant's term to begin work or services, shall initiate upon receipt of a Notice to Proceed by District. Further, no work or services other than that described in the Scope of Work shall be initiated by the Consultant without express authorization of the District and documented as a Change Order to this Agreement. Consultant shall complete the Tasks specified in the Scope of Work in the time frames indicated in Attachment B, the Schedule of Performance.

1.3 Compliance With Law and Professional Competency. All work and services rendered hereunder shall be provided in accordance with applicable ordinances, resolutions, statutes, rules, and regulations of the District and any Federal, State, or local governmental agency of competent jurisdiction, and to a standard of care and professionalism consistent with no less than the level of skill and care ordinarily exercised by professionals in Consultant's field performing permitting assistance consulting work such as covered by this Agreement.

1.4 Licenses, Permits, Fees and Assessments. Consultant shall obtain at its sole cost and expense such licenses, permits, and approvals as may be required by law for the performance of the services required by this Agreement, unless otherwise noted in the Scope of Work.

2.0 COMPENSATION

2.1 Contract Sum. For the services rendered pursuant to this Agreement, the Consultant shall be paid pursuant to the pricing specified in the Fee Schedule specified in Attachment C, for completion of each Task specified in the Scope of Work. Consultant shall invoice for work done to accomplish such tasks monthly, at the “Billable Rate” specified for Team Members performing the work, as set forth in Attachment C. Total compensation for each Task specified in the Scope of Work shall not exceed the fee specified for such Task in Attachment C, without prior written approval of the District. District may, in its sole discretion, authorize the transfer of portions of compensation from one Task to another, to account for variability in costs incurred to accomplish such Tasks, but in no event shall the total sum to be paid to Consultant for completion of all Tasks in the Scope of Work exceed \$2,190,644 (inclusive of all optional items of work).

2.2 Method of Payment. Provided that Consultant is not in default under the terms of the Agreement, the Consultant shall be paid upon receipt of a detailed record of services performed and time spent. Prior to payment of the final invoice, all work authorized by the District shall be completed. No later than the 15th of each month Consultant shall furnish to District an original invoice for all work performed and expenses incurred during the preceding month, which may be at the hourly rates specified in the “Schedule of Fees” appended to Attachment C. Notwithstanding footnote 1 of Attachment “C,” the hourly rates provided in Attachment “C” shall not increase for a period of two (2) years following the Effective Date. The invoice shall detail charges with reference to the Tasks specified in the Scope of Work, specifying the work performed, the person or team member performing the work, hourly rates, and a detailed description of the services performed. District shall independently review each invoice submitted by the Consultant to determine whether the work performed, and expenses incurred, comply with the provisions of this Agreement. If no charges or expenses are disputed, District will cause Consultant to be paid within thirty (30) days of receipt of Consultant’s invoice. Payment to Consultant for work performed pursuant to this Agreement shall not be deemed to waive any defects in work performed by Consultant, nor to constitute any waiver of any type of relief or remedy, legal or equitable, arising out of any breach or nonperformance of any aspect of the Agreement by Consultant.

3.0 COORDINATION OF WORK

3.1 Representative of Consultant. John McCarthy is hereby designated as the principal-in-charge and Project Manager by the Consultant, authorized to act in its behalf with respect to the work and services specified herein and to make all decisions in connection therewith. Tom Ryan has been designated by the Consultant as the Task Manager for the Project. Any substitution of these designated representatives must be approved in advance and in writing by the District.

3.2 Contract Officer. The Assistant General Manager, Betsy Miller, is hereby designated as the representative of the District, authorized to act in its behalf with respect to the work and services specified herein and make all decisions in connection therewith (“Contract Officer”). The District also designates Erwin Fogerson, PE, as Project Manager, who is authorized

to direct work of the Consultant.

3.3 Prohibition Against Subcontracting or Assignment. Consultant shall not contract with any entity to perform in whole or in part the work and services required of Consultant herein without the prior express written approval of the District. Neither this Agreement nor any interest herein may be assigned or transferred, voluntarily or by operation of law, without the prior written approval of the District. Any such prohibited assignment or transfer shall be void. Notwithstanding the foregoing, the District approves in advance Kleinfelder, Guida Surveying Inc., and Geoscience, as subcontractors for the provision of work under various tasks as listed in Attachment A, Scope of Work. Additional subcontractors maybe required for field exploration, drilling, and other activities required to complete the scope of work, qualifications for these consultants will be submitted prior to the use for District approval.

3.4 Independent Consultant. Consultant shall perform all work and services required herein as an independent contractor of the District and shall remain under only such obligations as are consistent with that role. Consultant shall not at any time or in any manner represent that it or any of its agents or employees are agents or employees of the District.

4.0 INSURANCE AND INDEMNIFICATION

4.1 Insurance. The Consultant shall procure and maintain, at its sole cost and expense, in a form and content satisfactory to District, during the entire term of this Agreement including any extension thereof, the following policies of insurance:

4.1-01 Workers' Compensation Insurance. By signature hereunder, Consultant certifies that Consultant is aware of the provisions of Section 3700 of the Labor Code, which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and Consultant will Agreement.

4.1-02 Workers' Compensation and Employer's Liability Insurance. Consultant and all sub-consultants shall cover or insure under the applicable laws relating to workers' compensation insurance, all of their employees employed directly by them or through sub-consultants in carrying out the work contemplated under this Agreement, all in accordance with the Workers' Compensation and Insurance Act, Division IV of the Labor Code of the State of California and any Acts amendatory thereof. Consultant shall provide employer's liability insurance in the amount of, at least, \$1,000,000 per accident for bodily injury and disease.

4.1-03 Liability Insurance. The Consultant shall provide and maintain at all times during the performance of this Agreement, the following commercial general liability insurance:

4.1-03.01 Coverage. Coverage shall be at least as broad as the following:

Commercial General Liability. Commercial General Liability coverage (Occurrence Form CG 0001) in the amount of one million dollars (\$1,000,000) per occurrence

for bodily injury, personal injury, and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the project/location (with the ISO CG 2501 or insurer's equivalent endorsement provided to the District) or the general aggregate limit shall be twice the required occurrence limit.

Professional Liability. Professional Liability appropriate to the Consultant's profession covering Consultant's wrongful acts, negligent actions, errors or omissions in the amount of one million dollars (\$1,000,000) per claim and annual aggregate.

4.1-03.02 Required Provisions. The policies specified in Section 4.1-03.01 are to state or be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days (10 days for nonpayment of premium) prior written notice by U.S. mail has been given to the District.

4.1-03.03 Required Format. All of the liability insurance shall be provided on policy forms satisfactory to the District. All insurance correspondence, notations, certificates, or other documents from the insurance carrier or agent/broker shall each separately reference the District project number.

4.1-03.04 Deductibles and Self-Insured Retention. Any deductible or self-insurance retention must be declared to and approved by the District. At the option of the District, the insurer shall reduce or eliminate such deductibles or self-insured retention.

4.1-03.05 Acceptability of Insurers. Insurance is to be placed with insurers having a current A.M. Best's rating of no less than A-:VII or equivalent or as otherwise approved by the District.

4.1-03.06 Evidences and Cancellation of Insurance. Prior to execution of this Agreement, the Consultants shall file with the District evidence of insurance satisfactory to the District. The insurer will give by U.S. mail written notice to the District at least thirty (30) days prior to the effective date of any cancellation, except for nonpayment of premium for which ten (10) days prior written notice will be given. The Consultant shall, upon demand of the District, make available to the District all such policy or policies of insurance and the receipts for payment of premiums thereon, redacted to remove any proprietary or confidential information.

4.1-03.07 Errors and Omissions/Professional Negligence. Consultant shall procure and maintain errors and omissions insurance, or professional liability insurance, at all times this Agreement is in effect, covering the services to be provided hereunder in the amount of one million dollars per claim and annual aggregate.

4.1-03.08 Sub-Consultants. In the event that the Consultant employs other consultants as part of the services covered by this Agreement, consistent with Section 3.3 above, it shall be the Consultant's responsibility to confirm that each sub-consultant meets the minimum insurance requirements specified above.

4.2 Indemnification. To the fullest extent permitted by law, Consultant shall indemnify and hold harmless the District, and defend its directors, officers, employees or designated volunteers, and each of them from and against:

4.2-01 Any and all claims, demands, causes of action, damages, costs, expenses, losses, or liabilities, in law or in equity, of every kind of nature whatsoever for, but not limited to, injury to or death of any person including District and/or Consultant, or any directors, officers, employees or designated volunteers of District or Consultant, and damages to or destruction of property of any person, including but not limited to, District and/or Consultant and their directors, officers, employees or designated volunteers, arising out of or in any manner directly or indirectly connected with the work to be performed under this Agreement, due to the Consultant's negligent acts, errors, or omissions committed or alleged to have been committed, except in those cases where the District is liable.

4.2-02 Any and all actions, proceedings, damages, costs, expenses, penalties or liabilities, in law or equity, of every kind of nature whatsoever, arising out of, resulting from,

or on account of the violation of any governmental law or regulation, compliance with which is the responsibility of Consultant, except in those cases where the District is liable.

4.2-03 Consultant shall defend, at its own cost, expense and risk, with Counsel of District's choice, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against District or District's directors, officers, employees or designated volunteers.

4.2-04 Consultant shall pay and satisfy any judgment, award or decree that may be rendered against District or its directors, officers, employees or designated volunteers, in any and all such aforesaid suits, actions or other legal proceeding.

4.2-05 Consultant shall reimburse District and its directors, officers, employees or designated volunteers, for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided.

4.2-06 Consultant's obligation to indemnify shall not be restricted to insurance proceeds, if any, received by the District, or its directors, officers, employees or designated volunteers.

4.3 Laws, Regulations and Permits. The Consultant shall give all notices required by law and comply with all laws, ordinances, rules, and regulations pertaining to the conduct of the work. The Consultant shall be liable for all violations of the law in connection with work furnished by the Consultant.

4.4 Safety. The Consultant shall execute and maintain Consultant's work so as to avoid injury or damage to any person or property. In carrying out the work, the Consultant shall at all times, exercise all necessary precautions for the safety of employees appropriate to the nature of the work and the conditions under which the work is to be performed, and be in

compliance with all federal, state and local statutory and regulatory requirements including State of California, Division of Industrial Safety (Cal/OSHA) regulations, and the U.S. Department of Transportation Omnibus Transportation Employee Testing Act (as applicable).

5.0 TERM OF AGREEMENT

5.1 Term. This Agreement shall be effective from date of signature of both parties and shall continue in full force and effect until completion and approval of the work and services described hereunder, unless extended by mutual consent, or until otherwise terminated under Section 6.11 below.

6.0 MISCELLANEOUS

6.1 Covenant Against Discrimination. The Consultant covenants that, by and for itself, its heirs, executors, assigns and all persons claiming under or through them, that there shall be no discrimination against, or segregation of, any person or group of persons on account of race, color, creed, religion, sex, marital status, national origin, or ancestry in the performance of this Agreement.

6.2 Non-liability of District Officers and Employees. No officer or employee of the District shall be personally liable to the Consultant, or any successor in interest, in the event of any default or breach by the District or for any amount that may become due to the Consultant or to its successor, or for breach of any obligation of the terms of this Agreement.

6.3 Conflict of Interest. No officer or employee of the District shall have any financial interest, direct or indirect, in this Agreement, nor shall any such officer or employee participate in any decision relating to the Agreement which affects his or her financial interest or the financial interest of any corporation, partnership or association in which he or she is, directly or indirectly, interested, in violation of any State statute or regulation. The Consultant warrants that it has not paid or given and will not pay or give, any third party any money or other consideration for obtaining this Agreement.

6.4 Notice. Any notice, demand, request, document, consent, approval, or communication either party desires or is required to give to the other party or any other person shall be in writing and either served personally or sent by prepaid, first-class mail, in the case of the District, to the General Manager and to the attention of the Contract Officer, San Bernardino Valley Water Conservation District, 1630 W. Redlands Boulevard, Suite A, Redlands, CA 92373-0581, and in the case of the Consultant, to the person at the address designated on the execution page of this Agreement.

6.5 Interpretation. The terms of this Agreement shall be construed in accordance with the meaning of the language used and shall not be construed for or against either party by reason of the authorship of this Agreement.

6.6 Integration; Amendment. It is understood that there are no oral agreements between the parties hereto affecting this Agreement and this Agreement supersedes and cancels any and all previous negotiations, arrangements, agreements and

understandings, if any, between the parties, and none shall be used to interpret this Agreement. This Agreement may be amended at any time only by the mutual consent of the parties and only by an instrument in writing.

6.7 Severability. In the event that part of this Agreement shall be declared invalid or unenforceable by a valid judgment or decree of a court of competent jurisdiction, such invalidity or inability to enforce shall not affect any of the remaining portions of this Agreement which are hereby declared as severable and shall be interpreted to carry out the intent of the parties hereunder unless the invalid provision is so material that its invalidity deprives either party of the basic benefit of their bargain or renders this Agreement meaningless.

6.8 Waiver. No delay or omission in the exercise of any right or remedy by a non-defaulting party on any default shall impair such right or remedy or be construed as a waiver. A party's consent to or approval of any act by the other party requiring the party's consent or approval shall not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and shall not be a waiver of any other default concerning the same or any other provision of this Agreement.

6.9 Attorney's Fees. If either party to this Agreement is required to initiate or defend or made a party to any action or proceeding in any way connected with this Agreement, the prevailing party in such action or proceeding, in addition to any other relief which may be granted, whether legal or equitable, shall be entitled to reasonable attorney's fees, whether or not the matter proceeds to judgment.

6.10 Ownership of Work. All work performed and all work product generated by the Consultant hereunder shall be the exclusive property of the District. The Consultant shall provide to the District all notes, maps, graphs, worksheets, reports, computer databases and programs, or any other analysis or analytical tools created or produced by the Consultant in connection with its work performed hereunder ("work"), no later than the time of the completion of the Consultant's work or earlier termination of this Agreement under Section 6.11 below. The Consultant shall not disclose or utilize its work under this Contract in any other assignment or for any other purpose, or otherwise disclose or utilize such work, without the prior written consent of the District, which consent shall not be unreasonably withheld.

6.11 Termination. This Agreement may be terminated by either party giving ninety (90) days' notice in writing to the other party and sent by registered mail to the principal place of business that such notice is addressed. The right, duties, and responsibilities of the Consultant shall continue in full force during the period of this 90-day notice, unless otherwise directed by District. After the expiration of the 90-day interval following notice, no rights or liabilities shall arise out of this relationship, except that the indemnification provisions of Section 4.2 above shall survive termination, and any task undertaken by Consultant on written District authorization, and still uncompleted at the expiration of the notice period, shall be carried to completion by Consultant and paid for by District at rates provided hereunder, unless mutually agreed in writing to the contrary, in accordance with the provisions herein.

6.12 Mediation. In the event of disagreement arising under this Agreement, the Consultant and District shall meet and confer in an attempt to resolve the issue. If the meet and confer process fails to resolve any controversy or claim arising out of or related to work performed under this Agreement, within 10 business days after written notice by one party to the other identifying the nature of the dispute and requesting a meet and confer conference, such claim or controversy shall be submitted to non-binding mediation unless the parties mutually agree otherwise. The submission to non-binding mediation shall be upon such terms, conditions, and procedures as the parties might mutually agree, and shall not preclude the initiation or exercise of any other remedy, legal, equitable, or otherwise, available to any party. The mediation proceedings shall take place in San Bernardino County, California.

6.13 Corporate Authority. The persons executing this Agreement on behalf of the parties hereto warrant that (i) such party is duly organized and existing, (ii) they are duly authorized to execute and deliver this Agreement on behalf of said party, (iii) by so executing this Agreement, such party is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which said party is bound.

IN WITNESS WHEREOF, the parties have executed and entered into this Agreement and affirm same by signature below:

CONSULTANT
Q3 CONSULTING,

27042 Towne Centre Dr Suite 110,
Foothill Ranch, CA 92610
jmccarthy@q3consulting.net

DISTRICT
SAN BERNARDINO VALLEY WATER
CONSERVATION DISTRICT

1630 West Redlands Blvd
Redlands, CA 92373
dcozad@sbywcd.org

By: _____

John McCarthy, P.E.
Principal, Program Manager

By: _____

Daniel B. Cozad
General Manager

Date: _____

Date: _____



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1849

To: Board of Directors

From: David B. Cosgrove, General Counsel

Date: March 9, 2022

Subject: Fogerson Retired Annuitant Position

RECOMMENDATION

Approve Resolution No. 600, and the Agreement For Employment Of Active Recharge Transfer Project (ARTP) Engineer As Retired Annuitant attached thereto.

BACKGROUND AND DISCUSSION

At its February meeting, the Board reviewed and approved the creation of a retired annuitant position for Mr. Erwin Ferguson, who will be retiring effective March 31, 2022. In February, the Board also approved having Mr. Fogerson assume this position effective immediately upon his retirement, instead of waiting the standard one hundred eighty-day period specified under Government Code sections 7522.56 and 21224. Findings supporting the immediate need for having Mr. Fogerson assume this position were included in the February 9, 2022, staff report, and to avoid duplication, are incorporated herein by reference.

To memorialize this action, and to comply with CalPERS documentation requirements, Staff returns this month with a resolution documenting and further explaining the grounds upon which Mr. Fogerson will be hired, effective April 1, 2022, as a retired annuitant to the position of ARTP Engineer. In addition, the resolution will memorialize the Board's approval of the Agreement For Employment Of Active Recharge Transfer Project (ARTP) Engineer As Retired Annuitant, attached thereto.

FISCAL IMPACT

Maximum of 960 hours of salary, at Eighty-Seven dollars per hour at present rates, for a total of \$83,520.00.

POTENTIAL MOTIONS

1. Approve Resolution No. 600, which includes approval of the ARTP Engineer Retired Annuitant Employment Agreement.
2. Continue the matter to April 13, 2022, with any additional direction to staff.
3. Provide other direction to Staff.

ATTACHMENTS

Resolution No. 600
ARTP Engineer Retired Annuitant Employment Agreement

RESOLUTION NO. 600

A RESOLUTION OF THE BOARD OF DIRECTORS OF THE SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT CERTIFYING THE CREATION OF A RETIRED ANNUITANT POSITION OF ACTIVE RECHARGE TRANSFER PROJECT (ARTP) ENGINEER, AND APPROVING AN EMPLOYMENT CONTRACT FOR SAME

WHEREAS, in compliance with Government (Gov.) Code section 7522.56 of the Public Employees' Retirement Law, the Board of Directors of the San Bernardino Valley Water Conservation District must provide CalPERS this certification resolution when hiring a retiree before 180 days has passed since their retirement date; and

WHEREAS, Erwin Raymond Fogerson is retiring from the San Bernardino Valley Water Conservation District in the position of Senior Engineer/Project Manager effective March 31, 2022; and

WHEREAS, Gov. Code section 7522.56 requires that post-retirement employment commence no earlier than 180 days after the retirement date, which is September 28, 2022, without this certification resolution; and

WHEREAS, Gov. Code section 7522.56 provides that this exception to the 180-day wait period shall not apply if the retiree accepts any retirement-related incentive; and

WHEREAS, the Board of Directors of the San Bernardino Valley Water Conservation District, the San Bernardino Valley Water Conservation District, and Mr. Fogerson certify that Mr. Fogerson has not and will not receive a Golden Handshake or any other retirement-related incentive; and

WHEREAS, the Board of Directors of the San Bernardino Valley Water Conservation District hereby appoints Erwin Fogerson as an extra help retired annuitant to perform the duties of the ARTP Engineer for the San Bernardino Valley Water Conservation District under Gov. Code section 21224, effective April 1, 2022; and

WHEREAS, the entire employment agreement, contract or appointment document between Mr. Fogerson and the of the San Bernardino Valley Water Conservation District has been reviewed by this body and is attached hereto; and

WHEREAS, no matters, issues, terms or conditions related to this employment and appointment have been or will be placed on a consent calendar; and

WHEREAS, the employment shall be limited to 960 hours per fiscal year for all CalPERS employers; and

WHEREAS, the compensation paid to retirees cannot be less than the minimum nor exceed the maximum monthly base salary paid to other employees performing comparable duties, divided by 173.333 to equal the hourly rate; and

WHEREAS, the maximum base salary for this position is \$181,415 annually, or \$15,118 monthly and the hourly equivalent is \$87, and the minimum base salary for this position is \$137,463 annually, or \$11,455 and the hourly equivalent is \$66; and

WHEREAS, the hourly rate paid to Mr. Fogerson will be \$87; and

WHEREAS, as provided in Government Code section 21224(a), Mr. Fogerson has not and will not receive any other benefit, incentive, compensation in lieu of benefit or other form of compensation in addition to this hourly pay rate;

NOW THEREFORE, BE IT RESOLVED THAT the Board of Directors of the San Bernardino Valley Water Conservation District hereby certifies the nature of the appointment of Erwin Fogerson as described herein and detailed in the attached employment contract and that this appointment is necessary to fill the critically needed position of ARTP Engineer for the San Bernardino Valley Water Conservation District by April 1 because of the needs of the District's ARTPs. This critical initiative is at a crucial stage and will require continuity of staffing for a limited time in order to maintain consistency in the oversight/evaluation of feasibility studies which are now being undertaken, and which will be undertaken in the near future. These studies will assess the practicability of utilizing San Bernardino County Flood Control District properties and facilities for dual use, serving both flood control and groundwater recharge purposes. Mr. Fogerson is uniquely qualified for this limited duration, special project task, given his decades of experience with Flood Control's design and operational requirements, and his knowledge of how water recharge activities may operate compatibly with Flood Control's properties and facilities, consistent with their overriding flood control purposes. Mr. Fogerson has overseen the formulation of scopes of work for

feasibility studies on a series of potential ARTP facilities, and the District wishes to continue to utilize that institutional knowledge as ARTP moves from feasibility to design and ultimately implementation.

BE IT FURTHER RESOLVED THAT the Board of Directors of the San Bernardino Valley Water Conservation District hereby approved the Employment Agreement for the retired annuitant position, in the form attached as Exhibit A hereto.

PASSED AND ADOPTED by the Board of Directors of the San Bernardino Valley Water Conservation District this 9th day of March, 2022, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

AGREEMENT FOR EMPLOYMENT OF
ACTIVE RECHARGE TRANSFER PROJECT (ARTP) ENGINEER
AS RETIRED ANNUITANT

This AGREEMENT FOR EMPLOYMENT OF ARTP ENGINEER AS RETIRED ANNUITANT (“Agreement”) is entered into effective on the 1ST day of April, 2022, (“Effective Date”) by and between the SAN BERNARDINO VALLEY WATER CONSERVATION DISTRICT, a public agency and water conservation district duly formed and existing under the Water Conservation Act, California Water Code sections 74000 *et seq.* (“District”) and Erwin Fogerson (“Employee”) on the terms and conditions stated herein.

1. Duties of Employee

A. District hereby agrees to employ Employee, and Employee hereby accepts employment with District, as District’s ARTP Engineer, in the capacity as a retired annuitant, under authority of Government Code sections 7522.56 and 21224, beginning on the Effective Date. The ARTP Engineer position is an extra help, temporary position, whose duties include the formulation and oversight of feasibility studies, design, construction bidding and award processes, including formulation of contract specifications therefor, and initial operation and maintenance of facilities contemplated as part of the District’s ARTP. The ARTP is a regional water conservation and groundwater storage enhancement project, under which the District is investigating the possibility of joint use of properties and facilities of the San Bernardino County Flood Control District (“Flood”) for both flood control and water storage and groundwater recharge activities. Employee has peculiar expertise in issues critical to the ARTP Project, in that Employee has decades of experience working with Flood, and understands its physical facilities criteria and operational demands for flood control purposes, and how such demands might compatibly be integrated with water storage and groundwater recharge activities. Employee has overseen the formulation and original consulting contracting on feasibility studies for certain candidate sites for such ARTP joint operations, and District wishes to capitalize on Employee’s experience and maintain continuity in such processes, through feasibility phases, to ultimate construction of facilities on candidate sites feasibility analyses indicate are appropriate. District and Employee agree that the likely time horizon for such special ARTP needs is no more than four (4) years. Employee may perform other tasks or duties, or contribute to other efforts or projects undertaken by the District and fitting within Employee’s experience and expertise, as may be directed by District’s General Manager.

B. It is expressly understood that Employee shall be required to work no more than nine hundred sixty (960) hours cumulatively in any given fiscal year of the District, which is between July 1 and June 30 of each year. It shall be Employee’s responsibility to track his cumulative number of hours worked, and to advise the District’s General Manager when his cumulative hours worked in any given fiscal year exceed eight hundred (800) hours, to permit the General Manager or other personnel at the District to manage assignments or workload so as to assure Employee does not exceed nine hundred sixty (960) hours cumulative of work within any given District fiscal year.

C. Employee represents and warrants to District, and both parties recognize that District is relying materially on the truth of such representations and warranties as of the Effective Date, and such representations and warranties are a substantial inducement for the District to enter into this Agreement, that Employee meets the following eligibility criteria for assuming a retired annuitant position:

1. Employee is over the normal retirement age for the District under its agreement with CalPERS.

2. Employee has not received unemployment insurance payments for prior retired annuitant work for any CalPERS employer within 12 months prior to the Effective Date.

2. Term of Agreement and At-Will Status

A. Employee is specifically employed on an “at-will” basis. Employee’s employment hereunder may be terminated at any time by the District’s General Manager, with or without cause. District shall use its best efforts to provide Employee no less than sixty (60) days’ notice prior to terminating Employee’s employment.

B. This Agreement shall commence as of April 1, 2022, and shall remain in effect until April 1, 2026, unless terminated earlier in accordance with the provisions of this Agreement.

3. Termination and Severance

This Agreement may be terminated by District at any time, with or without cause, consistent with Employee’s at will status. This Agreement may be terminated by Employee upon no less than sixty (60) days written notice to the District’s General Manager of the intent to resign, or otherwise separate from employment with the District. In the event of termination by Employee, Employee’s employment shall be terminated at the end of the sixty (60) day period, Employee and District may, by mutual agreement, extend Employee’s termination date beyond the sixty (60) day notice period, or provide for an earlier termination date, before expiration of the sixty-day notice period.

4. Compensation

Employee shall be paid as determined by the Board of Directors, in accordance with District’s standard payroll procedures. Employee’s hourly rate of salary for the term of this contract shall be Eighty-Seven Dollars (\$87.00). Beginning at the start of the first fiscal following the Effective Date, Employee shall be eligible to receive a Cost of Living (“COLA”) adjustment to his base hourly salary amount, in the same percentage as the COLA adjustment granted to other COLA-eligible employees of the District, to be effective at the same time such other employees’ COLA adjustments are effective, provided, however, that no such COLA adjustment may increase Employee’s hourly rate above the maximum hourly rate paid to other employees performing comparable duties as listed in the District’s publicly available pay schedule, so as to remain compliant with Government code section 21224(a).

5. Uniqueness of Services

Employee represents and agrees that the services to be performed by this Agreement are special, unique, unusual, extraordinary, and of an intellectual character, that gives him a peculiar value to the District, the loss of which cannot be reasonably or adequately compensated for monetary damages.

6. Expense Reimbursement

Employee shall be reimbursed for actual mileage travelled in Employee's own automobile, for such meetings and other events outside of the District's main offices as District reasonably requires Employee to attend. Mileage for commuting to and from employee's residence to the District offices shall not be eligible for reimbursement. Reimbursement shall be at the IRS forced mileage rate then in effect. Employee shall maintain collision and liability insurance on any automobile Employee uses for any District business, at Employee's own expense, with coverage no less than \$100,000 per occurrence, \$300,000 per incident. Employee may be reimbursed other expenses reasonably incurred in the course of his duties for the District, and otherwise reimbursable under the District's Personnel Manual, pursuant to the policies and procedures provided thereunder. Consistent with Government Code section 21224(a), Employee shall not receive any benefit, incentive, compensation in lieu of benefits, or other form of compensation in addition to the hourly pay rate.

7. Integration

This Agreement contains the entire agreement between the District and Employee, and supersedes any and all prior negotiations, representations, or agreements, oral, written or otherwise. This Agreement may only be modified by an instrument in writing signed by both parties, and approved by District's Board of Directors.

8. Waiver

The failure of either party to insist on strict compliance with any of the terms, covenants, or conditions of this Agreement by any other party shall not be deemed the waiver of that term, covenant, or condition, nor shall waiver or relinquishment of any right or power at any one time or times be deemed a waiver or relinquishment of that right or power for all or any other times.

9. Governing Law

This Agreement is entered into, and is to be governed by, the laws of the State of California.

[The remainder of this page is intentionally left blank.]

10. Severance

If any provision of this Agreement is held by a court of competent jurisdiction to be invalid, void, unconstitutional or unenforceable, the remaining provision shall continue in full force and effect without being impaired or invalidated in any way.

Dated: March 9, 2022

SAN BERNARDINO VALLEY WATER
CONSERVATION DISTRICT

By:
Melody McDonald, President
“District”

Dated: March 9, 2022

Erwin Fogerson
“Employee”



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1850

To: Board of Directors
From: Daniel Cozad, General Manager
Date: March 9, 2022
Subject: Annual Report on the Status of the San Bernardino Valley Conservation Trust

RECOMMENDATION

Receive and file the report on the State of the San Bernardino Valley Conservation Trust.

BACKGROUND

The San Bernardino Valley Conservation Trust was formed in March 2016 for the direct protection and/or stewardship of land, water, and natural resources. In particular, at this time the Trust invests endowment funds for the Upper Santa Ana River Wash Plan Habitat Conservation Plan and holds mitigation easements; in the future, the Trust may receive and utilize grant funds, hire consultants to implement habitat restoration and management, be contracted to provide support to other local and regional HCPs, and hold fee title to conserved lands. Members of the SBVWCD Board requested staff provide a presentation on the status of the Conservation Trust.

DISCUSSION

The District is the lead agency for obtaining the required permits for approval of the Wash Plan covered activities and created the Conservation Trust to support permit compliance. District employees act as the staff of the Trust, managing Wash Plan implementation requirements and agreements with the Trust. Staff also manages investments, finances, and day-to-day operations. While the Trust has its own Board of Directors, staff prepared this presentation to provide the SBVWCD Board with detailed information on the Trust's financial status, activities, agreements, accomplishments, and upcoming requirements.

FISCAL IMPACT

There are no fiscal impacts related to this status report with the exception of limited staff time to prepare the presentation.

ATTACHMENTS

Presentation on Status of the San Bernardino Valley Conservation Trust

San Bernardino Valley Conservation Trust

A Special Purpose Land Trust

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PURPOSE

- The direct protection or stewardship of land, water, and natural resources, including, but not limited to, agricultural lands, wildlife habitat, wetlands, endangered species habitat, open-space areas, and outdoor recreational areas.
- Specific activities include implementation of the Santa Ana River Wash Plan, which is a Habitat Conservation Plan approved by the US Fish and Wildlife Service and the CA Department of Fish and Wildlife.
- Implementation activities include the collection and investment of endowment funds for the purposes described above. Additionally, this nonprofit corporation would hold mitigation easements and/or fee title to land being conserved for the purposes described above.
- Finally, this nonprofit corporation anticipates working with cities and San Bernardino County for open space trails access and other public benefit programs for education, water related outreach, natural resource awareness and related activities.

APPROVALS

- IRS: Recognition of Exemption under Section 501(c)(3)
- California Department of Fish and Wildlife: Granted authorization to hold and manage mitigation lands*
- California State Treasurer: Tax Exempt Status
- State of California Department of Justice: Registration with Attorney General's Registry of Charitable Trusts
- Land Trust Accreditation Commission: Land Trust Accreditation

**CDFW now reviews trusts for each transaction*

CURRENT POLICIES

Investment

Reserve

Conflicts of Interest

Records

Endowment Spending

Conservation Easement Amendment



BOARD OF DIRECTORS



President
David Raley, SBVWCD



Vice President
John Longville, SBVWCD



Director
Jim Earsom, IERCD



Director
T. Milford Harrison, SBVMWD

SPECIAL RELATIONSHIP

Important Differences

- Trust Board includes two District Board members
- District employees staff the Trust
- Trust supports the District in implementing the Wash Plan HCP
 - Holding and Investing Endowment Funds
 - Holding and Enforcing (if needed) Conservation Easements
- Responsible to:
 - The Trust Board of Directors
 - The California Department of Fish and Wildlife
 - The IRS for maintenance of non-profit status
 - The public as a Public Benefit non-profit

TRUST ROLES

Wash Plan implementation
Independent third party in
Conservation Easements



INVESTMENT DIFFERENCES

SIP-Systematic Investment Plan (Used)

- Benefits:
 - a) Set payments are placed into an investment vehicle (i.e., mutual funds, commingled trusts, separate accounts, etc.) on a regularly scheduled basis
 - b) Dollar-Cost-Averaging -Shares bought consistently even on down market brings average cost lower
 - c) Provides funding anticipated withdrawals on a continuing basis for spending policy needs and reasonable expenses for operation of the Fund

FD-Fixed Deposit

- Disadvantages
 - a) Lump-sum investment
 - b) Relatively low investment returns with potential for wealth erosion
 - c) No flexibility to access funds

CE HOLDER/ENFORCEMENT

Third party beneficiary in Conservation Easements

- Required by state and federal mitigation requirements

- Legal standing to enforce Conservation Easement restrictions

Able to implement Conservation Easement requirements via endowment

- Biological monitoring

- Conserved land management



**COMMUNITY
MITIGATION
PROGRAM
DEPOSIT
AGREEMENTS
WITH PRIVATE
DEVELOPERS**

- **S-P Deerfield, LLC (Blossom Trails Project)**

Scope: To assist in obtaining required mitigation for the San Bernardino Kangaroo Rat (SBKR) in the form of dedication of preserved land, restoration, or other habitat management activities.

Initial Deposit: \$10,000

Total Deposits: \$36,763.59

Available Balance: \$1,848.16

- **Highland-Fifth Orange Partners, LLC (Woodbridge Project)**

Scope: To assist in providing mitigation needs for the potential taking of 36 acres of SBKR habitat in the form of dedication of preserved land, conservation easements, endowment, and habitat management.

Initial Deposit: \$10,000

Total Deposits: \$10,000

Available Balance: \$4,906.12

OTHER DEPOSIT AGREEMENTS

- **SB County Transportation Authority (210 FWY Expansion Project)**

Scope: To assist in obtaining CESA ITP No. 2081-2017-062-06 by performing all necessary capturing, tracking, releasing and monitoring of SBKR, developing start-up costs for 4.2 acres of land conserved via Conservation Easement to meet project mitigation requirements, obtain Conservation Easement approval and recording, and establish an endowment fund.

Initial Deposit: \$324,491.69

Total Deposits: \$435,255.03

Available Balance: \$222,283.18

- **SB County Flood Control District (Elder Creek Restoration Project)**

Scope: Working to develop a plan and provide assistance with restoring .57 acres of created low-flow channel with cattail marsh, restore .06 acres of existing cattail marsh, and restore .08 acres of arroyo willow scrub.

Initial Deposit: \$0 (\$5,000 in process)

Total Deposits: \$0

Available Balance: \$0

**FY 2020-2021
AUDIT
STATEMENT**

**San Bernardino Valley Conservation Trust
Statement of Financial Position
June 30, 2021**

Assets

Current Assets:

Cash and cash equivalents	\$ 899,332
Investments	3,438,513
Accounts receivable	<u>7,988,873</u>
Total current assets	<u>12,326,718</u>
Total assets	<u>\$ 12,326,718</u>

Liabilities

Current Liabilities:

Due to San Bernardino Valley Water Conservation District	\$ 1,941,550
Unearned revenue	<u>8,189,672</u>
Total current liabilities	<u>10,131,222</u>
Total liabilities	<u>10,131,222</u>

Net assets (deficit)

Without donor restrictions	(486,087)
With donor restrictions	<u>2,681,583</u>
Total net assets	<u>2,195,496</u>
Total liabilities and net assets	<u>\$ 12,326,718</u>

**FY 2019-2020
AUDIT
STATEMENT**

**San Bernardino Valley Conservation Trust
Statement of Activities
For the year ended June 30, 2021**

	Without donor restrictions	With donor restrictions	Total
Revenues			
Contributions	\$ 360,475	\$ -	\$ 360,475
Realized gain on investments	89,737	159,533	249,270
Unrealized gain on investments	181,687	322,999	504,686
Interest and dividends, net	14,873	26,440	41,313
Total revenues	646,772	508,972	1,155,744
Expenses			
Wash Plan	559,668	-	559,668
Insurance	1,351	-	1,351
Bank fees	3,500	-	3,500
Other expenses	3,104	-	3,104
Total expenses	567,623	-	567,623
Total change in net assets	79,149	508,972	588,121
Net assets (deficit)			
Beginning of year	(565,236)	2,172,611	1,607,375
End of year	\$ (486,087)	\$ 2,681,583	\$ 2,195,496

Main Investment Objective

- Minimize risk of principal loss and maintain the ability of the portfolio to meet current and long-term spending policies, net of inflation. Long-term growth of the assets in excess of inflation is secondary.

Authority

- The Board will have the authority to implement the investment policy and guidelines in the best interest and to best satisfy the purpose of the Fund.

Objectives (simplified)

- All transactions must be for sole interest of Fund beneficiaries and assets diversified to minimize impact of large losses
- To provide withdrawals for spending policy needs and reasonable expenses
- To enhance value of Fund long-term while maintaining a reasonable risk profile
- Minimize principal fluctuations
- To achieve a long-term return commensurate with economic conditions equal to or exceeding the investment objective

Asset Allocation (simplified)

- To create the greatest likelihood of meeting the Fund's investment objectives and the best balance between risk and return for optimal diversification, the Board directed assets to be invested in a 70% Growth/30% Income Portfolio

INVESTMENT POLICY

As of 12/31/2021

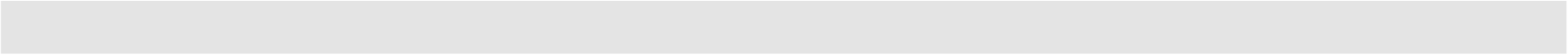
Assets:	\$ 928,231.20 California Credit Union (cash)
	<u>\$3,602,250.68 US Bank (investments)</u>
	\$4,530,481.88
Accounts Receivable:	\$7,843,563.00 Wash Plan MOU
Liabilities:	\$2,198,380.57 SBVWCD for WP
	\$ 4,025.02 SBVWCD Earned Mitigation Credits
	<u>\$ 229,037.45 Unearned Mitigation Deposits Balance</u>
	\$2,431,443.04
Net Position	\$9,425,159.23

FINANCIAL STATUS

Investments

FUNDING FOR ANNUAL WASH PLAN IMPLEMENTATION

Wash Plan Year 2 Requirement	Resources	Direct Cost	Admin Cost	Approved FY21 Budget	Projected Annual Costs	Draft FY22 Budget
1) Conserve 200 acres of Jump Start land				\$ 69,500.00	-	\$ 29,500.00
Platt and legal description on portions of APN 029113101, 029114108, and 029707110	Consultant	\$ 10,000.00	\$ 4,500.00			
Title Report	Consultant	\$ 1,000.00	\$ 1,000.00			
Legal review	Legal Counsel	\$ 9,000.00	\$ 2,000.00			
Record Conservation Easement on portions of APN 029113101, 029114108, and 029707110	Staff	\$ 2,000.00	\$ -			
2) Initial clean-up on Jump Start land				\$ 8,000.00	\$ -	\$ 8,000.00
Dump and trash removal on portions of APN 029113101, 029114108, and 029707110	Staff	\$ 8,000.00	\$ -			
3) Invasive grass treatments at spineflower sites				\$ 29,000.00	\$ 30,000.00	\$ 25,000.00
Invasive grass treatment on 20 acres	IERCD	\$ 22,500.00	\$ 2,500.00			
4) Monitor Slender-horned spineflower				\$ -	\$ 4,000.00	\$ 4,000.00
SHSF baseline monitoring - Year 2	Consultant	\$ 3,000.00	\$ 1,000.00			
5) Monitor California gnatcatcher				\$ 7,500.00	\$ 7,500.00	\$ 7,500.00
CAGN baseline monitoring - Year 2	Consultant	\$ 6,500.00	\$ 1,000.00			
6) Monitor San Bernardino kangaroo rat				\$ 28,500.00	\$ 50,000.00	\$ 115,000.00
SBKR baseline monitoring - Year 1	Consultant	\$ 90,000.00	\$ 7,500.00			
Data analysis	Consultant	\$ 15,000.00	\$ 2,500.00			
7) Preserve natural resource management plan				\$ -	\$ -	\$ 34,000.00
Draft natural resource management plan	Staff	\$ 30,000.00	\$ -			
Present to PMC/incorporate comments	Staff	\$ 4,000.00	\$ -			
8) Slender-horned Spineflower Restoration Program				\$ -	\$ -	\$ 94,000.00
Literature review	Consultant	\$ 2,250.00	\$ 500.00			
Comprehensive SHSF survey on Preserve lands	Consultant	\$ 34,750.00	\$ 2,000.00			
Track environmental factors at occupied sites	Consultant	\$ 3,500.00	\$ -			
Pollination study	Consultant	\$ 22,250.00	\$ 500.00			
Seed collection	Consultant	\$ 14,500.00	\$ 500.00			
Germination trials	Consultant	\$ 9,000.00	\$ -			
Seed-bulking	Consultant	\$ 4,250.00	\$ -			
9) Annual report				\$ -	\$ 16,250.00	\$ 16,250.00
Data management and annual reporting	Staff	\$ 16,250.00	\$ -			
10) Vegetation classification				\$ -	\$ -	\$ 30,000.00
Develop Manual of Ca Vegetation classification	Consultant	\$ 25,000.00	\$ 5,000.00			
11) Monitor cactus wren				\$ -	\$ 7,500.00	\$ 15,000.00
Participate in grant-funded TNC project	Staff	\$ -	\$ 15,000.00			
		\$ 332,750.00	\$ 45,500.00			\$ 378,250.00
			\$ 378,250.00			



Collaborative Partner and Enabler





**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1851

To: Board of Directors

From: Daniel Cozad, General Manager

Date: March 9, 2022

Subject: LAFCO Special Districts Selection Committee Nominations

RECOMMENDATION

Review and provide direction to staff to prepare a nomination resolution for any selected candidate(s).

BACKGROUND AND DISCUSSION

The term of seated LAFCO Special District regular member James Curatalo will expire in May 2022, and nominations were sought in February to fill the staggered four-year term. Staff seeks direction from the Board on whether to prepare resolution(s) for support for candidates who have requested District recommendations for LAFCO's Special Districts Selection Committee. The Board took action at its February meeting to support Director Raley for the position of alternate on the Special Districts Selection Committee for LAFCO. Additional information is attached.

The District is in receipt of the list of Special District members who were nominated to serve as Regular and Alternate LAFCO members (see attachment) for review, discussion, and action, if desired.

FISCAL IMPACT

There is no fiscal impact beyond minimal staff costs for materials preparation and submittal.

POTENTIAL MOTIONS

1. Move to authorize staff to prepare recommendation documents for one or both candidates and submit them for the selected requestor(s).
2. Move to request this item be tabled and referred to the Finance & Administration Committee for reconsideration of specific issues discussed.
3. Take no action on the item.

ATTACHMENTS OR MATERIALS

Special Districts Election for Regular LAFCO Member and Alternate LAFCO Member Memo



LAFCO

Local Agency Formation Commission for San Bernardino County

1170 West 3rd Street, Unit 150
San Bernardino, CA 92415-0490
909.388.0440 | Fax: 909.388.0481
lafco@lafco.sbcounty.gov
www.sbolfco.org

COMMISSIONERS

JOE BACA, Jr.
Board of Supervisors

JIM BAGLEY, Chair
Public Member

DR. KIMBERLY COX
Special District

JAMES V. CURATALO
Special District

CURT HAGMAN
Board of Supervisors

LARRY McCALLON
City Member

ACQUANETTA WARREN, Vice Chair
City Member

ALTERNATES

DIETER C. DAMMEIER
Public Member

RICK DENISON
City Member

STEVEN FARRELL
Special District

DAWN ROWE
Board of Supervisors

EXECUTIVE OFFICER

SAMUEL MARTINEZ

LEGAL COUNSEL

PAULA DE SOUSA

February 28, 2022

TO: Presidents of the Boards of Directors of the Independent Special Districts in San Bernardino County

SUBJECT: Special Districts Election for Regular LAFCO Member and Alternate LAFCO Member

The nomination period for the Regular and Alternate Special District Members of the Local Agency Formation Commission (LAFCO or Commission) ended on February 14, 2022. During the nomination period, LAFCO received the following nominations for the Regular Special District Member position:

- Jim Curatalo, Cucamonga Valley Water District (Incumbent) *(Mr. Curatalo received a nomination for the regular member position but has declined to seek another term on the Commission; therefore, his nomination for the Regular Special District member position has been revoked and his name will be removed from the list of nominees for the regular member ballot)*
- Steven Farrell, Crestline Village Water District
- Kelly Gregg, Hesperia Recreation and Park District

Likewise, during the nomination period, LAFCO received the following nominations for the Alternate Special District Member position:

- Craig Dicht, Bighorn-Desert View Water Agency
- Steven Farrell, Crestline Village Water District (Incumbent) *(Mr. Farrell received nominations not only for the alternate member position but also for the regular member position. Mr. Farrell has opted to run for the Regular Special District position instead; therefore, his nomination for the Alternate Special District member position has been revoked and his name will be removed from the list of nominees for the alternate member ballot)*
- Kevin Kenley, Cucamonga Valley Water District
- David Raley, San Bernardino Valley Water Conservation District
- James Roberts, Hesperia Recreation and Park District

By distribution of this letter, the official voting process for the Regular Special District Member and Alternate Special District Member of LAFCO shall commence. Pursuant to the provisions of Government Code Section 56332, the voting period will commence as of today's date and ending on Monday, **April 18, 2022**.

SPECIAL DISTRICT ELECTION LETTER
Regular and Alternate LAFCO Members
February 28, 2022

The voting instructions for these selections are as follows:

1. Each District may vote for one candidate for each position. A copy of the information provided by the candidates is included for your information.
2. The original ballot for each position:
 - Requires a board vote, with the name of each voting Board Member outlined;
 - Must be signed by either the Board President, General Manager, or Designee; and,
 - Must be received in the LAFCO office by 5:00 p.m. on **April 18, 2022**, via mail, fax, or email scan.
 - If a copy of the ballot is provided by fax or email by the April 18 deadline, LAFCO must receive the original signed copy by 5:00 p.m. on **April 25**, or the ballot will be declared invalid.
3. Twenty-six (26) ballots are required to be received to establish a quorum for selection of either the Regular or Alternate Special District Member position.

The completed ballot(s) is/are to be mailed to:

**Samuel Martinez, Executive Officer
Local Agency Formation Commission
1170 West Third Street, Unit 150
San Bernardino, CA 92415-0490**

Please let me know if you have any questions concerning this selection process. You may contact me at the address listed above, by e-mail at smartinez@lafco.sbcounty.gov, or by phone at (909) 388-0480.

Sincerely,


SAMUEL MARTINEZ
Executive Officer

Enclosures: Regular Member Ballot
Information on Regular Member Candidates
Alternate Member Ballot
Information on Alternate Member Candidates

2022 BALLOT

**REGULAR SPECIAL DISTRICT MEMBER
OF THE LOCAL AGENCY FORMATION COMMISSION
FOR SAN BERNARDINO COUNTY**

The _____
(Name of District)

hereby votes for the marked candidate as indicated below:

REGULAR SPECIAL DISTRICT MEMBER OF LAFCO:

_____ **STEVEN FARRELL (Member of the Board of Directors
of the Crestline Village Water District)**

_____ **KELLY GREGG (Member of the Board of Directors
of the Hesperia Recreation and Park District)**

I, _____, do hereby certify that at its scheduled meeting
of _____, the Board of Directors voted to elect the
above-marked candidate as the Regular Special District Member of the Local Agency
Formation Commission for San Bernardino County, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Board President, General Manager or Designee

Dated: _____



PO Box 3347, 777 Cottonwood Drive, Crestline, CA 92325-3347
Telephone: (909) 338-1727 «» FAX: (909) 338-4080

Special District Members,

Feb 21, 2022

I ask for your vote for Regular Special District Commissioner; for your support of my continuing service on LAFCO; for my ongoing interest and commitment to effective, functioning governance in our County; and for the importance of having geographic and size diversity on the Commission.

When I was elected Alternate Special District to the Commission eight years ago, I was pleased to be one of the rare Commissioners from the County's mountain region, in conformity with LAFCO's policy of encouraging balanced geographic representation. I've seen LAFCO decisions and policies affect all kinds of districts, big and small, rural and urban, in ways that are often not obvious or anticipated. Mountain districts, all districts, are wise to be actively engaged and knowledgeable about LAFCO.

Commissioner James Curatalo's decision this term to "retire" from LAFCO, after 20 years of exemplary leadership, knowledge, and energy is a significant loss to all local governments here in the County; and he will certainly be missed. I will miss him. Yet, with his encouragement, and the endorsement of his board at Cucamonga Valley Water District, I now have the opportunity to run for his Regular District seat.

I also appreciate my nomination by the Mojave Water Agency, and in particular, Special District Commissioner Kimberly Cox's support. I'm proud to have their confidence.

I've been participating in local government service issues now for well over 15 years.

As a 12-year director at Crestline Village Water District (currently President), I've attended ACWA (the Association of California Water Districts) twice each year. There, among other subject tracks, I consistently attend the Local Government Committee meetings and seminars paying close attention to state and local topics that pertain to Special Districts. For ten years I've also been my district's ACWA/JPIA (insurance) director. I've also been an ACWA Region 9 board member.

I've completed the Special District Leadership Foundation curriculum.

I serve on the County's Regional Parks Advisory Commission.

Eight years ago, as a new Commissioner, I was offered some sobering advice, "Steve, it takes about 5 years or more being on the Commission before one really begins to understand or appreciate what LAFCO's all about." Though that could be an understatement, I'm confident today I can serve capably.

If elected, I recommit to the best interests of the entire County and its residents. I will consider and respect the special concerns and perspectives of all, using the analytical skills I practiced in my 25-year career in IT (UCLA, the Pacific Stock exchange, and international management and consulting for private software firms.) I ask questions when I don't understand an issue, and I speak out when I perceive an incongruity or problem.

I strive for excellence and will always act and represent Special Districts fairly, thoughtfully and honorably.

Thank you,

Steven Farrell
President, Crestline Village Water District



Kelly J Gregg, Director
Hesperia Recreation and Park District

February 11, 2021

Letter of interest for: LAFCO, Special District Commissioner; Regular Member

Committee Members,

It has come to my attention that there is an open vacancy for LAFCO, Special District Commissioner; Regular Member.

After speaking with our Board President and General Manager, I would like to be considered as a candidate and team member for this opportunity to serve our area. Below is a brief summary of my current and past political contributions.

I have been a lifelong resident of Hesperia since 1971. I served/serve as the voice of the community, and taxpayers on the HRPD Governing Board from 2010-2014 and 2016-current.

- Serves as Director of the Hesperia Recreation and Park District and on several committees: Finance (chair), Tri-Agency (chair), Personnel (v-chair), City Ad Hoc (chair).
- Served as President of the Hesperia Recreation and Park District and on several committees: Budget (chair), Safety and Security (chair), Foundation, and Golf Course.
- Serves on Hesperia City Council Safety Committee (chair).
- Serves as Director of the ASBCSD special districts board.
- Fiscal responsibility and transparency are two main platform goals that take priority when making decisions for any agency or civic organization.

Kelly J Gregg is available to you at (760)985.1193 or by email directorgregg@hesperiaparks.com

Thank you for your consideration,

A handwritten signature in cursive script that reads "Kelly J Gregg".

Kelly J Gregg
District Director
Hesperia Recreation and Park District

2022 BALLOT

ALTERNATE SPECIAL DISTRICT MEMBER OF THE LOCAL AGENCY FORMATION COMMISSION FOR SAN BERNARDINO COUNTY

The _____
(Name of District)

hereby votes for the marked candidate as indicated below:

ALTERNATE SPECIAL DISTRICT MEMBER OF LAFCO:

_____ **CRAIG DIGHT (Member of the Board of Directors
of the Bighorn-Desert View Water Agency)**

_____ **KEVIN KENLEY (Member of the Board of Directors
of the Cucamonga Valley Water District)**

_____ **DAVID RALEY (Member of the Board of Directors
of the San Bernardino Valley Water Conservation District)**

_____ **JAMES ROBERTS (Member of the Board of Directors
of the Hesperia Recreation and Park District)**

I, _____, do hereby certify that at its scheduled meeting
of _____, the Board of Directors voted to elect the
above-marked candidate as the Alternate Special District Member of the Local Agency
Formation Commission for San Bernardino County, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

Board President, General Manager or Designee

Dated: _____

CRAIG DICHT

56822 Lilac Lane, Landers, CA, 92285

(760) 368-5441 craig.dicht@gmail.com <http://www.linkedin.com/in/craigdicht>

SAN BERNARDINO COUNTY LAFCO - COMMISSIONER

Provide competent judgment and support on planning, regulation, and special studies within the commission's purview

EDUCATION	WEATHERHEAD SCHOOL OF MANAGEMENT Case Western Reserve University Master of Business Administration , May 2015 <ul style="list-style-type: none">• Focus on overlap in business issues and public policy• Concentrated coursework in accounting, finance, operations, and marketing	Cleveland, OH
	UNIVERSITY OF PITTSBURGH Bachelor of Arts, Religious Studies & English Writing , 2004	Pittsburgh, PA
EXPERIENCE	BIGHORN-DESERT VIEW WATER AGENCY Member, Board of Directors <ul style="list-style-type: none">• Serve on Finance/Public Relations committee• Chair of Water Consumption Trends/Cannabis and Legal Counsel Search committees	Landers, CA
02/2021-Present		
07/2020 – 10/2020	UNITED STATES CENSUS BUREAU <ul style="list-style-type: none">• Top 3 in region at engaging previous non-respondents to complete the decennial census• High success rate navigating rough roads to remote desert locations to meet reluctant residents	High Desert Areas, CA
06/2007 – 6/2019	STUDENT CONSERVATION ASSOCIATION Work Skills Instructor , 06/2010 – 06/2019 (occasional/seasonal) <ul style="list-style-type: none">• Trained over 150 adults to lead crews of high school students in conservation service projects Project Leader , 06/2007 – 8/2010; 08/2016 – 11/2016 <ul style="list-style-type: none">• Leader for 40+ sustainability and natural resource conservation projects, including restoration, community outreach, wilderness monitoring, trail work, and invasive plant management• On the ground lead for pilot tree-planting program in Cleveland parks, coordinating with multiple project partners• Successfully advocated adjusting tree project budget to pay crew members a living wage	Various Locations NJ, CA Desert, OH
08/2013 – 5/2015	FOWLER CENTER FOR SUSTAINABLE VALUE Fowler Fellow <ul style="list-style-type: none">• Authored "Food Donation Connection: Profitably Scaling Food Waste Reduction" case study• Coordinated logistics for CEO sessions at the Flourish & Prosper Global Forum• Served on editorial board for the Business as an Agent of World Benefit database	Cleveland, OH
05/2014 – 08/2014	ENTREPRENEUR'S EDGE Consulting Fellow <ul style="list-style-type: none">• Conducted market feasibility studies for a new water monitoring technology• Proved client's initial market focus lacked potential and identified more attractive segments• Created report and presentation with an action plan and valuable contacts for the client to pursue development in a \$200 million segment	Cleveland, OH
10/2010 – 12/2010	UNITED STATES BUREAU OF LAND MANAGEMENT Park Ranger Tech GS-7 <ul style="list-style-type: none">• Provided support to Americorps conservation crews: organized orientation; advised on projects; instructed in proper data collection and management• Recorded, organized, and catalogued reports, maps, and equipment associated with BLM wilderness management efforts	Moreno Valley, CA

CRAIG DICHT

56822 Lilac Lane, Landers, CA, 92285

(760) 368-5441 craig.dicht@gmail.com <http://www.linkedin.com/in/craigdicht>

- MBA PROJECTS**
- DESIGN IN MANAGEMENT: RITTMAN ORCHARDS**
- Developed strategy for a local orchard to identify the best distributor for its new hard cider
 - Created decision-making resources based on market research, interviews with distributors and retailers, and synthesis of knowledge from other management disciplines
- URBAN LAND INSTITUTE HINES CASE COMPETITION**
- Designed proposal for development in an economically disadvantaged part of New Orleans
 - Planned financing strategy for development including pro forma financial statements
- POLITICS, POLICY & THE GLOBAL ENVIRONMENT**
- Term paper for Political Science elective focused on regulation, financing, and effectiveness of various payments for environment services (PES) initiatives
- SERVICE EXPERIENCE**
- 08/2010 – 12/2012 **THE LIVINGSCHOOL LEARNING COOPERATIVE** Joshua Tree, CA
Treasurer/ Administrative Facilitator/ Educator
- Oversaw budget and fulfilled school accounting, contracting, and payment responsibilities
 - Created and implemented decision-making model for cooperative meetings
 - Established definitions of roles and increased accountability in school administration
 - Planned and taught outdoor education and hands-on science classes
- 11/2011 – 04/2012 **THRIVING IN A CHANGING WORLD SUMMIT** Joshua Tree, CA
Planning Committee Chairperson / Event Facilitator
- Led 15 person committee to organize and execute a community-building event focused on the creation of new sustainable community groups
 - Served as summit facilitator using Open Space principles
- 08/2006 – 12/2006 **UNITED STATES FISH AND WILDLIFE SERVICE** Fremont, CA
Environmental Education Intern
- Created, revised, and presented interactive lessons on wetland habitat and coastal marine environments to over 1000 K-6 students
 - Administered and supported educator-led on-site field trips for large student groups
- 09/2005 – 07/2006 **WEST VIRGINIA SUSTAINABLE COMMUNITIES PROJECT** Summersville, WV
AmeriCorps Member
- One of six founding members of the sustainable communities project
 - Built relationships with local government, non-profits, radio stations, newspapers, businesses, schools, and families to promote our initiatives and leverage resources
 - Created pollution prevention education materials including interactive games, press releases, pamphlets, and Powerpoint presentations
 - Conducted over 30 free home energy audits and provided basic weatherization for families enrolled in the Low Income Housing Energy Assistance Program
- TRAININGS AND CERTIFICATIONS**
- 08/2011 Emergency Medical Technician-Basic (expired 04/2013)
04/2011 Wilderness First Responder – National Outdoor Leadership School (expired 04/2013)
09/2007 Leave No Trace Trainer

Dear San Bernardino County Special District Members:

My name is Kevin Kenley and I am currently seeking to serve as your Alternate Special District Member for the San Bernardino LAFCO. I was elected to the Cucamonga Valley Water District (CVWD) Board of Directors in November 2019 to represent Division 1, which covers portions of southern Rancho Cucamonga and northeastern Ontario. I have lived in southern Rancho Cucamonga since 2001, with my wife and children, where I am also an active member of my community through



church activities, and serving as an Assistant Scout Master for my son's Boy Scout troop. I have worked at UPS for over nineteen years, fifteen years of which have been in management, and am currently appointed to represent the company in their government outreach program.

Since being elected to the CVWD Board of Directors, I have worked hard to learn as much as possible about the workings and dynamics of the local and regional water systems, and the unique role that Special Districts play in local governance. I currently serve on CVWD's Engineering and Government & Public Affairs Committees where I oversee the investments in our infrastructure, as well as our legislative and government engagement. In my ongoing endeavor to learn more about local government, special districts and the critical services they provide, I completed the Special District Leadership Academy Governance Foundations course through the California Special Districts Association last year, which provided me with even greater insight into what my responsibilities as an elected Special District representative are.

I am excited at the prospect of representing special districts and being an effective voice for all of our agencies on critical issues facing us in the region and state. My drive for serving my community and ensuring its ability to flourish has been a long-standing passion that has kept me engaged at the local and regional government levels. I have witnessed the importance and need for effective representation of special districts not only in the Inland Empire but also throughout California. I ask that you entrust me with the opportunity to be that effective voice for you and the special districts in San Bernardino County. Please feel free to reach out to me at (909) 489-1202 should you have questions or concerns.

David E. Raley

1350 E. Highland Avenue
Redlands, CA 92374

Phone: 909.437.9003
Fax: 909.798.9248
E-mail: mustangder@aol.com

Objective

To become the alternate Local Agency Formation Commission for San Bernardino County LAFCO Special Districts Representative

Qualifications

I have a keen interest in ensuring the fair and equitable treatment of Special District interests and concerns are handled by the Local Agency Formation Commission for San Bernardino County (LAFCO) at functions, meetings and activities. I believe I clearly understand the needs and interests of a significant number of the Special Districts and it will be my mission to learn of others. When elected I plan to attend all of the LAFCO meetings, as the alternate, and provide ALL Special Districts with summaries of events and/or decisions which directly or indirectly affect Special Districts.

Work History

Director, San Bernardino Valley Water Conservation District — 2010 to Present. I am Chairman of the Finance and Administration Committee and through the efforts of a superior Board lead by President McDonald and a truly outstanding General Manager, Mr. Daniel Cozad the District has developed and maintained an outstanding financial status while keeping our rates at or below the economic growth rates.

Director, Crafton Hills College Foundation — 2000 to Present. I have severed several terms as President and through the work of the Board and Foundation Staff the number of Scholarships and Other Student Support increased by 25 fold or more.

CEO and Manager of the Norton (now Alta Vista) Credit Union — 1984 to 1998. When I joined this military Credit Union assets were \$25 million and when I left they were over \$125 million. Our mission was to help and support both the military and civilian population. I was honored by the California Credit Union League for my outstanding support of Small Credit Unions.

Vice President of Bierly and Associates Worker's Compensation Administrators. — 1980 to 1984. As a Safety Consultant I assisted several Special Districts with Loss Prevention and Workers Compensation Issues.

Officer and Pilot in the United States Air Force — 1955 to 1980 — Enlisted as an Aviation Cadet and Retired as a Full Colonel.

Education

Masters Degree in Business Administration, Arizona State University
Bachelor of Science Degree, University of Maryland

References

Richard Corneille, 834 Eastwood Street, Redlands, CA 92374
Donald Singer, 15585 Mallory Drive, Redlands, CA 92373

February 16, 2022
Letter of Interest

Dear Special District Agency Representatives,

I appreciate the opportunity in placing my name in the hat of well qualified candidates for the Local Agency Formation Commission (LAFCO) as an Alternate. I have received the support from the Hesperia Recreation and Park Districts' Board of Directors to submit my name for your consideration.

My background includes currently holding the position of Hesperia Recreation and Park District Board of Director, an elected position. In addition to more than 20 years of combined service in the public service arena. Ranging areas include Law Enforcement, business development and Hesperia City appointed committees to name a few.

Please feel free to contact me at 760-486-1914 should you have any questions about this letter of interest.

Thank you for your consideration.

Kind regards,

James W Roberts III
Board Member
Cell: 760-486-1914
Email: Jroberts@hesperiaparks.com



RECEIVED
FEB 09 2022
LAFCO
San Bernardino County

BOARD OF DIRECTORS

Steven C. Farrell, President
Cory W. Hubbell, Vice President
William R. Barrera
Leslie G. Brister
Kenneth L. Stone

February 9, 2022

Special Districts Selection Committee
c/o Samuel Martinez
LAFCO Executive Officer

Mr. Martinez,

With this letter I confirm my candidacy and desire to serve as a Regular Special District Commissioner, as nominated by the Cucamonga Valley Water District on Feb 8.

I'm very appreciative of their nomination, giving me the opportunity to progress from an alternate to a regular commissioner.

Hopefully our represented Districts will choose to allow me to continue my LAFCO participation for a new term.

Thank you,

A handwritten signature in blue ink that reads "Steven Farrell".

Steven Farrell
President
Crestline Village Water District

Athena Lokelani

From: Taya Victorino <tayav@cvwdwater.com>
Sent: Thursday, February 10, 2022 10:44 AM
To: Taya Victorino
Cc: Kevin Kenley; Kevin Kenley (kckenley@gmail.com)
Subject: Request for Support- Kenley for LAFCO Alternate Special District Member
Attachments: Kenley for LAFCO Alternate 2022-2026.pdf

My Fellow Special District Member:

I would be honored to have your support and vote for the Alternate Special District Member of LAFCO. If elected I will work diligently to contribute constructively and represent our special district perspective on the Commission. Attached is my letter of interest and a support letter from James V. Curatalo, Jr. who currently serves on the Commission.

Thank you for your consideration,
Kevin Kenley
Board of Directors



10440 Ashford Street
Rancho Cucamonga, CA 91730
(909) 987-2591
www.CVWDWater.com

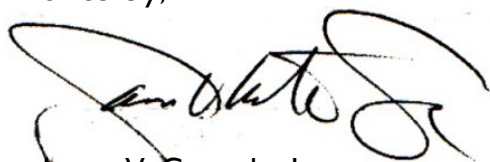
February 9, 2022

My Fellow San Bernardino County Special District Members:

It is my pleasure to inform you that the Cucamonga Valley Water District took action at our February 8, 2022 board meeting to nominate Director Kevin Kenley as the Alternate Special District Member for the Local Agency Formation Commission for San Bernardino County. I have had the opportunity to work alongside Director Kenley for several years. His passion and commitment to special districts is tireless and admirable. Director Kenley is an active member of his community and is a devoted advocate for its direction and purpose. I know that as a member of the Commission he will contribute constructively and represent our special district perspective diligently.

I am contacting you to request your agency's support of Director Kenley in his endeavor for election to LAFCO. A statement of his experience and qualifications is attached for your reference. Thank you for your consideration. Should you have any questions, please feel free to reach out to me at (909) 987-2591.

Sincerely,

A handwritten signature in black ink, appearing to read "James V. Curatalo, Jr.", written in a cursive style.

James V. Curatalo, Jr.
Regular Special District Member, LAFCO



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Memorandum No. 1852

To: Board of Directors
From: Daniel Cozad, General Manager
Date: March 9, 2022
Subject: CSDA Call for Nominations for Seat B, Southern Network

RECOMMENDATION

Provide direction to staff to nominate a Board member, if desired, to the CSDA Board of Directors, Seat A, Southern Network, for the 2023-2025 term.

BACKGROUND

The leadership of CSDA is elected from its six geographical regions, with each region holding three seats on the Board filled in staggered, 3-year terms. Candidates must be affiliated with an independent special district that is a member of CSDA, such as the SBVWCD.

CSDA Board members are expected to attend all board meetings held on alternate months at CSDA's office in Sacramento, participate in at least one CSDA Board Committee, and attend two annual events such as the Special District's' Legislative Days. CSDA reimburses directors for their expenses related to Board and Committee meetings. Expenses for the two required annual events are not reimbursed by CSDA. CSDA Board members who have not already completed all four modules of CSDA's Special District Leadership Academy are expected to do so within two years of election.

The deadline for filing a nomination is March 31, 2022. Additional information is included in package.

FISCAL IMPACT

District would be responsible for paying expenses for at least the two annual events and the cost for all four modules of CSDA's Special District Leadership Academy, plus associated travel and per diem, which is estimated at \$5,417.32 annually. Other regular board and committee meeting costs would be reimbursed by CSDA.

**BOARD OF
DIRECTORS**

Division 1:
Richard Corneille

Division 2:
David E. Raley

Division 3:
Robert Stewart

Division 4:
John Longville

Division 5:
Melody McDonald

**GENERAL
MANAGER**

Daniel B. Cozad

	Per Diem/Travel	
CSDA Annual Conference	\$ 3,224.88	
<i>CSDA Board Meetings</i>	<i>\$ 3,380.00</i>	<i>Reimbursable</i>
CSDA Leadership Academy	\$ 2,192.44	
<i>CSDA Committee Meetings</i>	<i>\$ 3,230.00</i>	<i>Reimbursable</i>
CSDA Legislative Days	\$ 1,417.00	
Fiscal Impact Annually	\$ 12,027.32	
<i>Total Less Reimbursable Expenses</i>	<i>\$ 5,417.32</i>	

POTENTIAL MOTIONS

1. Move approval of Board member selected for nomination and direct staff to prepare necessary documents for submittal to CSDA.
2. Move to request this item be tabled and referred to Finance & Administration Committee for reconsideration of specific issues discussed.
3. Take no action on the item.

ATTACHMENTS OR MATERIALS

CSDA Letter with Nomination Form



California Special Districts Association
Districts Stronger Together

CONTACT US JOIN SUPPORT



LOGIN

CSDA Board of Directors Call for Nominations - Seat B

By Vanessa Gonzales posted 20 hours ago

0 LIKE



Deadline: Coastal Network April 11, 2022. All Other Networks March 31, 2022.

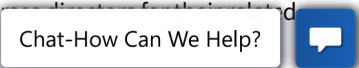
The California Special Districts Association Elections and Bylaws Committee is looking for independent special district board members or their general managers who are interested in leading the direction of CSDA for the 2023 - 2025 term.

The leadership of CSDA is elected from its six geographical networks. Each of the six networks has three seats on the board with staggered 3-year terms. Candidates must be affiliated with an independent special district that is a CSDA Regular Member in good standing and located within the geographic network they seek to represent (see the [CSDA network map](#)).

The CSDA Board of Directors is the governing body responsible for all policy decisions related to CSDA's member services, legislative advocacy, education, and resources. The CSDA Board of Directors is crucial to the operation of the association and to the representation of the common interests of all California's special districts before the Legislature and the State Administration. Serving on the board requires one's interest in the issues confronting special districts statewide.

Commitment and Expectations:

- Attend all board meetings, usually 4-5 meetings annually, at the CSDA office in Sacramento.
- Participate on at least one committee, meets 3-5 times a year at the CSDA office in Sacramento. (CSDA reimburses direct expenses for board and committee meetings as outlined in board policy.)



- Attend, at minimum, the following CSDA annual events: Special Districts Legislative Days - held in the spring, and the CSDA Annual Conference - held in the summer/fall. (CSDA does not reimburse travel related expenses for the two conferences even if a board or committee meeting is held in conjunction with the event; however, does comp registration for the two events.)
- Complete all four modules of CSDA’s Special District Leadership Academy within 2 years of being elected. (CSDA does not reimburse expenses for the academy classes even if a board or committee meeting is held in conjunction with the event.)
- Complete Annual Chief Executive Officer Evaluation.

Please review the [CSDA Board Policy 2.16 Board Commitments & Responsibilities](#).

NOMINATION PROCEDURES

Any Regular Member in good standing is eligible to nominate one person, a board member or managerial employee (as defined by that district’s Board of Directors), for election to the CSDA Board of Directors. **A copy of the member district’s resolution or minute action and Candidate Information Sheet must accompany the Nomination Form. The deadline for receiving nominations for the Northern, Sierra, Bay Area, Central and Southern Networks is March 31, 2022. Due to the current vacancy in the Coastal Network, the deadline for receiving nominations for the Coastal Network is April 11, 2022. Nominations and supporting documentation may be mailed or emailed.**

Mail: 1112 I Street, Suite 200, Sacramento, CA 95814

Fax: 916.442.7889

Email: amberp@csda.net

Once received, nominees will receive a candidate’s letter. The letter will serve as confirmation that CSDA has received the nomination and will also include campaign guidelines.

CSDA will begin electronic voting on June 2, 2022. All votes must be received through the system no later than 5:00 p.m. July 8, 2022. The successful candidates will be notified no later than July 12, 2022. All selected CSDA Board Members will be introduced at the CSDA Annual Conference & Exhibitor Showcase in Palm Desert, CA in August 2022.

EXPIRING TERMS

Northern Network Seat B – Kim Seney, Director, Gold Mountain Community Services District*

Sierra Network Seat B – Jerry Gilmore, Director, Truckee Sanitary District*

Bay Area Network Seat B – Ryan Clausnitzer, GM, Alameda County Mosquito Abatement District*

Central Network Seat B – Lorenzo Rios, GM, Clovis Veterans Memorial District*

Coastal Network Seat B – **Vacant**

Southern Network Seat B – Don Bartz, GM, Phelan Pinon Hills Community Services District*

(* = Incumbent is running for re-election)

CSDA will be using a web-based online voting system allowing your district to cast your vote easily and securely. *Electronic Ballots will be emailed to the main contact in your district June 2, 2022.* All votes must be received through the system no later than 5:00 p.m. July 8, 2022.

*Districts can opt to cast a paper ballot instead; but you must contact Amber Phelen by e-mail amberp@csda.net **by March 31, 2022** in order to ensure that you will receive a paper ballot on time.*

CSDA will mail paper ballots on June 2, 2022 per district request only.

If you have any questions, please contact Amber Phelen at amberp@csda.net.



Policy 2.16: Board Commitments & Responsibilities

Overview:

The Board of Directors is responsible for ensuring the Association's long-term financial stability and integrity. Directors ensure the Association fulfills its mission to promote good governance and improved core local services through professional development, advocacy and other services for all types of independent special districts. In order to foster the Association's continued viability and growth, effective member engagement and sufficient revenue are essential. Accordingly, Directors pledge to be active participants and promote the Association and its services.

Core Commitments:

1. Support the approved CSDA mission statement, vision statement, and Board beliefs.
2. Advocate for the Association and its members.
3. Serve as a part of a unified governing body.
4. Govern within Board policies, standards and ethics.
5. Dedicate the time and energy necessary to be effective.
6. Represent and make policy decisions based on the impact to the entire special districts community.
7. Respect the individual views of Directors, then collectively support Board decisions.
8. Communicate as a cohesive Board of Directors with a common vision and voice.
9. Operate with the highest standards of integrity and trust.

Duties & Responsibilities:

General Participation

1. Regularly attend Board meetings – a Board member may be dismissed after three unexcused absences.
2. Actively participate in decision-making by being familiar with issues and prepared to address all agenda items.
3. Participate in setting CSDA policy, budget approval and establishing the direction for the Association through the Strategic Plan.
4. Actively participate as a member of at least one and no more than two CSDA committees – Board Officers may participate in more than two committees as required in the CSDA Bylaws and Board Policy Manual.
5. Attend the Association's annual conference and legislative days and participate in other meetings/events.

Governance & Training

1. Complete all four modules of CSDA's Special District Leadership Academy (SDLA) within 2 years of being elected/appointed to the CSDA Board of Directors prior to the expiration of a CSDA Board Member's full-term of office. If not completed by the end of the full-term, the CSDA Board Member shall be ineligible to run for re-election on the CSDA Board of Directors unless they are registered to attend the next available SDLA event.
2. Attend Board member orientation training provided by CSDA.
3. Provide CSDA electronic certificates for posting on the CSDA website indicating current and successful completion of AB1234 (Ethics Training), AB1825 (Harassment Prevention Training), and graduation from the CSDA Special District Leadership Academy (SDLA).

Association Programs

1. Actively understand and encourage participation in CSDA partner programs (SDRMA, CSDA Finance Corporation, SDLF) as well as other CSDA endorsed services within your district, chapter, Network service area and statewide.

CEO Performance Evaluation

1. Complete and submit the annual Chief Executive Officer (CEO) performance evaluation form by the designated due date. A written request to be excused from submitting the CEO evaluation form may be submitted to the CSDA President for consideration. The CSDA President shall determine if the request is approved or denied using Board Policy: 2.17-Excused Absences as guidance. If the CEO evaluation is not completed by a CSDA Board Member that has not been excused, that individual shall be ineligible to run for re-election on the CSDA Board of Directors upon completion of their term.

Advocacy, Recruitment & Retention

1. Encourage timely responses from your district and service area to CSDA legislative calls to action and other grassroots efforts. Play an active grassroots role within your service area and participate in grassroots campaigns coordinated by CSDA.
2. Advocate for CSDA with an emphasis on building relationships and furthering the understanding/awareness of special districts and the Association within your service area, chapter and statewide.
3. Promote CSDA membership and engagement opportunities in ways appropriate within your service area (i.e. sponsorships, advertisers, exhibitors, speakers, professional development opportunities, services, programs, etc.).

Finance

1. Read and understand CSDA financial statements and otherwise assist the Board in fulfilling its fiduciary responsibility.

2022 BOARD OF DIRECTORS NOMINATION FORM

Name of Candidate: _____

District: _____

Mailing Address: _____

Network: _____ (see map)

Telephone: _____

(PLEASE BE SURE THE PHONE NUMBER IS ONE WHERE WE CAN REACH THE CANDIDATE)

Fax: _____

E-mail: _____

Nominated by (optional): _____

Return this form, a Board resolution/minute action supporting the candidate, and Candidate Information Sheet by mail or email to:

CSDA
Attn: Amber Phelen
1112 I Street, Suite 200
Sacramento, CA 95814
(877) 924-2732

amberp@csda.net

DEADLINE FOR RECEIVING NOMINATIONS:

March 31, 2022 at 5:00 p.m.

2022 CSDA BOARD CANDIDATE INFORMATION SHEET

The following information **MUST** accompany your nomination form and Resolution/minute order:

Name: _____

District/Company: _____

Title: _____

Elected/Appointed/Staff: _____

Length of Service with District: _____

1. Do you have current involvement with CSDA (such as committees, events, workshops, conferences, Governance Academy, etc.):

2. Have you ever been associated with any other state-wide associations (CSAC, ACWA, League, etc.):

3. List local government involvement (such as LAFCo, Association of Governments, etc.):

4. List civic organization involvement:

****Candidate Statement** – Although it is not required, each candidate is requested to submit a candidate statement of no more than 300 words in length. **Any statements received in the CSDA office after March 31, 2022 will not be included with the ballot.**

Wash Plan Trails Status Report

March 2022



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

Project Management Approach / Work Plan

- a. Develop/obtain support from Cities on trails MOU
- b. Complete trail permitting, including 1) Wash Plan HCP Certificate of Inclusion and 2) State/waters permits
- c. Record public access easements, if necessary
- d. Install signs/fencing
- e. Open trail(s) that do not require ancillary facilities such as trailheads or parking lots
- f. Obtain grant funding for ancillary trail facilities such as trailheads and parking lots
- g. Bid construction of/build ancillary trail facilities



Current Status

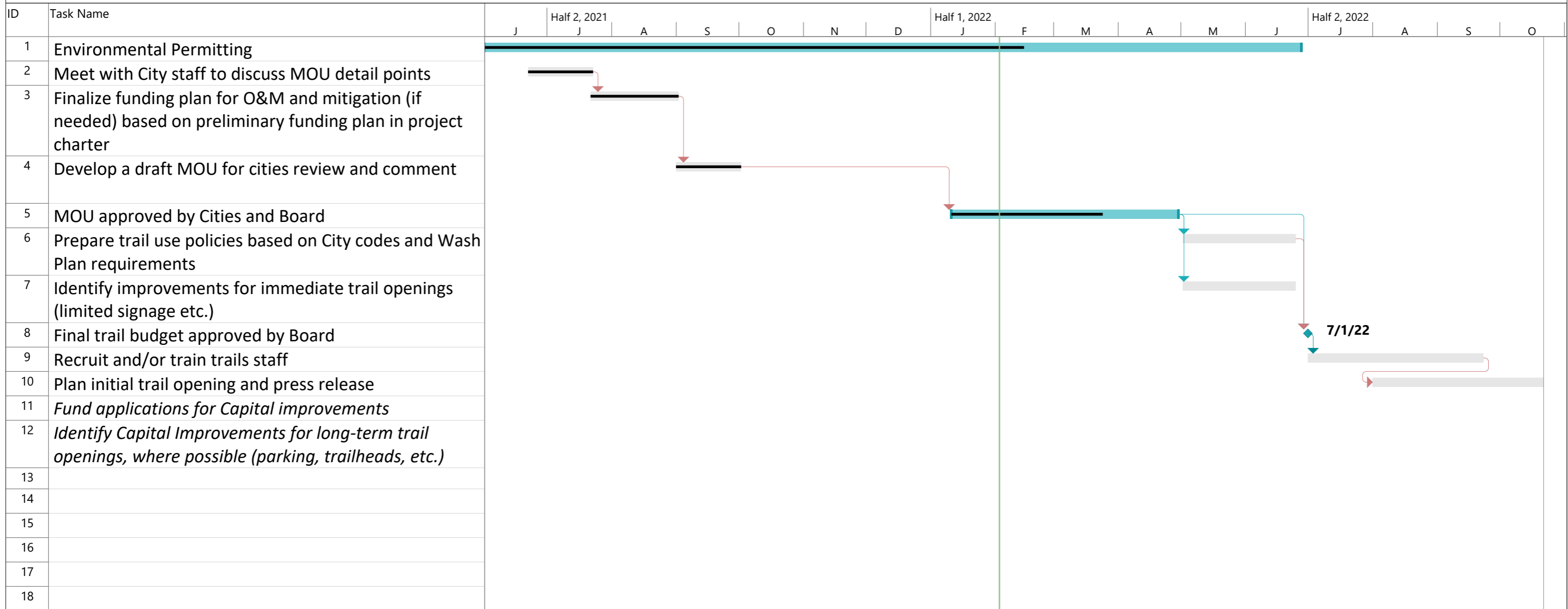
District staff continue to work with the City of Redlands, who has requested a five-party agreement between the Cities, District, and miners to accommodate collection of payments, etc. Both Highland and Redlands have indicated that they would like the District to collect trail payments from the miners directly. It is intended that this agreement would tier off of the MOU, which has been approved by the District and Highland. District staff expects that Redlands will agendaize the MOU for their March or April Council meeting.

Trails were included in the Wash Plan state and waters permitting applications which were submitted to the regulatory agencies in 2021. Trail opening will be dependent upon receipt of these permits, as well as final approval from USFWS, which included conditional approval in the Wash Plan HCP.



TRAILS MASTER PLAN

PROJECT SCHEDULE



Mentone Shop Design / Build Bid Summary

				United Carports Riverside CA		CBC Steel Building (H E Hammer Const) Lathrop CA(Yucaipa, CA)		Western Steel Building (CSNK Const) Park City, Utah (Yucaipa, Ca)		Facility Buildings and Erectors Anaheim CA		Butler Buildings Visalia, CA		FCP Barns Inc. Wildomar, CA		Other	
ITEM NO.	BASE BID DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
1	Preliminary & Final Engineering	1	LS	\$4,500	\$4,500			\$30,000	\$30,000	\$55,000	\$55,000						
2	Permitting	1	LS	\$15,000	\$15,000			\$5,000	\$5,000	\$12,000	\$12,000						
3	Clearing and Grubbing	1	LS		\$0			\$8,932	\$8,932	\$4,000	\$4,000						
4	Grading / Subgrade Prep / BMP's (incl over-ex and re-compaction)	1	LS		\$0			\$19,128	\$19,128	\$31,000	\$31,000						
5	Foundation (including footings)	1	LS	\$37,600	\$37,600			\$29,366	\$29,366	\$87,000	\$87,000						
6	Plumbing and Electrical stub outs	1	LS	\$6,200	\$6,200			\$16,809	\$16,809	\$45,000	\$45,000						
7	Pre-Engineered Metal Building w/ Rollup Doors	1	LS	\$108,015	\$108,015			\$122,162	\$122,162	\$328,000	\$328,000						
8	Pre-Engineered Metal Building Insulation	1	LS		\$0			\$10,775	\$10,775	\$10,000	\$10,000						
	Total Base Items				\$171,315				\$242,172		\$572,000						
	ADD / DEDUCT ITEMS (NOT REQUIRED)																
1	Interior Walls	1	LS		\$0			\$11,343	\$11,343	\$28,000	\$28,000						
1.1	Doors and windows (other than rollup Doors) (see schedule)	1	LS	\$11,525	\$11,525			\$2,404	\$2,404	\$9,000	\$9,000						
1.2	Plumbing (complete schedule next sheet)	1	LS		\$0			\$4,075	\$4,075	\$36,000	\$36,000						
1.3	Electrical	1	LS		\$0			\$14,255	\$14,255	\$38,000	\$38,000						
1.4	Fixtures (complete schedule next sheet)	1	LS		\$0			\$2,789	\$2,789	\$6,000	\$6,000						
1.5	Perimeter Walls Interior Lining	1	LS		\$0			\$7,843	\$7,843	\$9,000	\$9,000						
1.6	*Items for identified in project plans or specifications. Contractor to submit detailed description with bid	1	LS		\$0			\$3,551	\$3,551	\$0	\$0						
	other cost not listed in bid or cost that cannot be attached to a single bid item	1	LS		\$0			\$5,633	\$5,633	\$0	\$0						
	Total Add / Deduct Items				\$11,525				\$51,893		\$126,000						
	TOTAL BID				\$182,840		no bid received		\$294,065		\$698,000		no bid received		no bid received		no bid received

Mentone Yard Shop Project Summary & Status Report No. 9



**San Bernardino Valley
Water Conservation District**
Helping Nature Store Our Water

March 2022

Project Management Approach / Work Plan

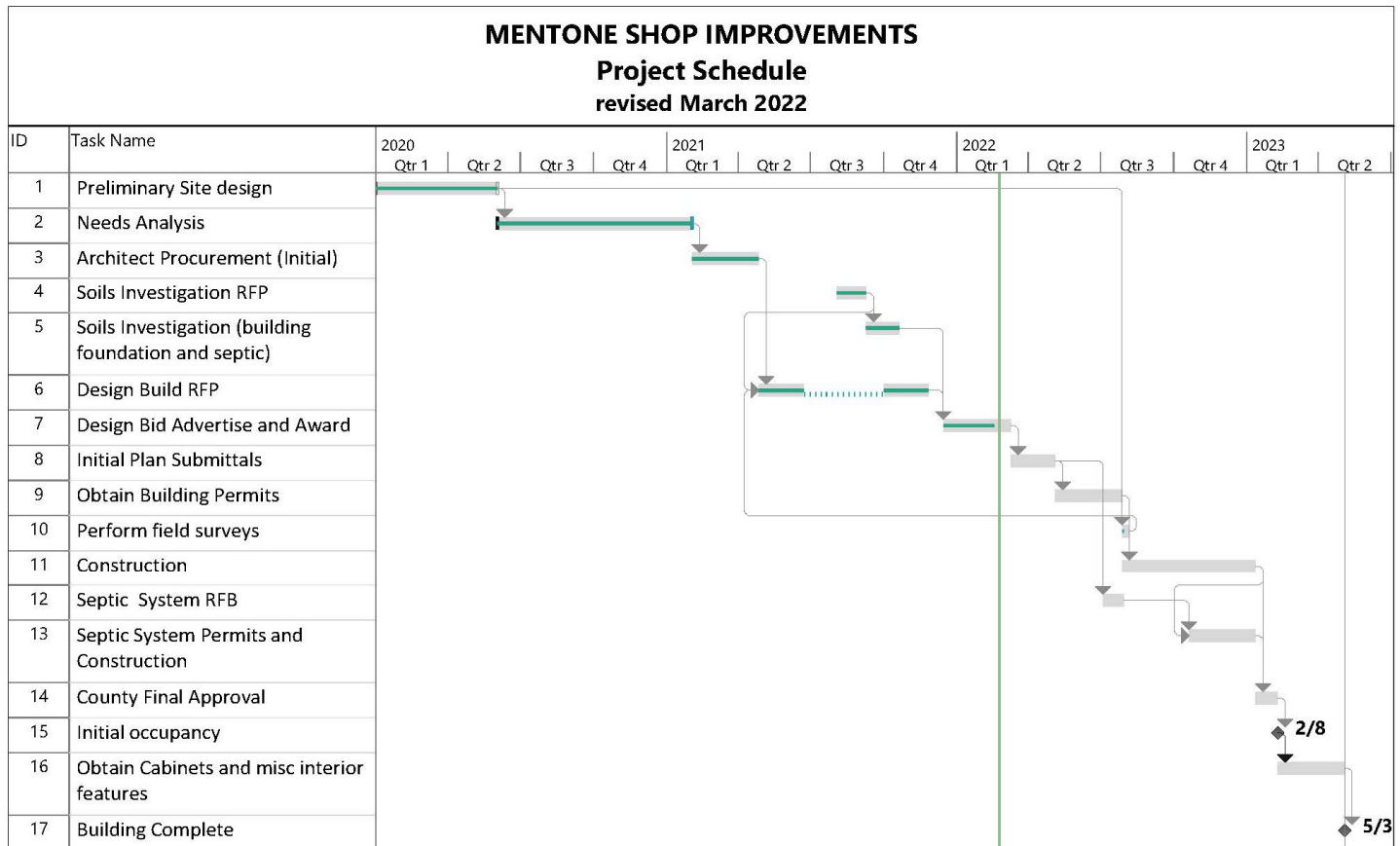
- a. District prepared initial site plan, needs analysis and preliminary design - COMPLETE
- b. Bid out building as a Design / Build contract - COMPLETE
- c. Bid out septic improvements as a separate design / build contract
- d. District staff to perform construction management and oversee permitting
- e. Bid out storage cabinets / install including hazardous material cabinets separately (portion may be done by Operations staff)



Current Status

Design/Build bid package was issued and bids received (see attached bid summary). Results of bids were presented to the Operations Committee. Negotiations with the apparent low selected bidder is on-going. Award of the design / build contract is anticipated to be brought to Board next month; a draft Board memo is attached that includes a total of estimated costs.

Project Schedule



RECOMMENDATION

1. Accept the bid of CSNK Construction in the amount of \$294,065 for the design/build project.
2. Authorize a contingency fund of \$7,000 for the design phases of the design build contract.
3. Authorize the General Manager to approve the expenditure of the contingency fund of \$29,406 for verified quantity overruns for this unit priced design build contract and order any necessary changes or additions in work performed under the contract with CSNK Construction for the construction phase.
4. Authorize the General Manager to spend up to \$70,000 to obtain permits, a septic system, water and electrical service, property fencing, general cabinetry and shelving, fuel and pesticide storage, and field testing.
5. Authorize the General Manager to accept the work when completed and execute and file the Notice of Completion.

BACKGROUND AND DISCUSSION

The Mentone shop is located at 2181 Mentone Blvd. in Mentone, California. This location serves as the main office for the field staff, and typically houses all the smaller equipment and light duty vehicles. This location also includes an open lot and a rental home. It is made up of one main building and five auxiliary sheds in various conditions. The Mentone shop has power and running water but does not have permanent restroom facilities; the shop is currently serviced by a port-a-potty.

The District Board requested staff to install a permanent restroom at the Mentone Shop. In the process of estimating costs to install a restroom facility with shower and septic system, it was determined that it may be more cost effective to re-build or add on to the existing Mentone shop than to build a standalone restroom. A needs analysis was requested by the Board to determine the facility type(s) and location to best support our field staff's current and future needs. The needs assessment concluded that additional equipment storage was needed in addition to a restroom facility with shower due to the use of herbicides. Four of the five auxiliary sheds are in a state of disrepair and should be removed to better protect the equipment they house.

Architectural services were sought to develop the project plans, specifications, and estimates; however, it was determined that a design/build approach was more appropriate for this type of project. Hilltop Geotechnical was hired to complete a geotechnical analysis of the site. Due to the large amount of fill found on site, the building was relocated to the north end of the property to decrease the required excavation at the original location. The design/build RFB was developed by staff and reviewed by the Operations Committee. The RFB included base bid items such as engineering, permitting, grading, foundation, stub-outs, and the metal building with doors and insulation as well as additional optional items such as interior walls, plumbing, electrical, and fixtures.

Staff received three bids as summarized in the attached bid summary, two of which included all required items and thus were deemed to be complete bids. With direction from the Board, staff negotiated with CSNK Construction to refine their bid to include all the necessary items of work.

Additional work outside of the design/build contract will be needed in order to have a fully functional new building. A separate contract for the installation of a septic system will be required. Extension of the electrical and water service from either the existing shop or house to the new building will have to be completed. Some of the work related to the extension of utilities is anticipated to be

negotiated with the contractor and some initial site work could be completed by District staff. Fencing will need to be relocated prior to the installation of the new building both on the north end of the property and on the back of the house. Construction permits from the County of San Bernardino will be obtained. Staff will demolish four of the auxiliary sheds currently in disrepair and the openings on the existing shop will be closed. Importation of base material will be performed by staff. Installation of cabinetry and shelving the new building will be completed by staff on an as-needed basis. Proper fuel and chemical storage containers will need to be obtained and installed. A summary of the anticipated cost related to items outside the contract is shown in the table below.

Estimated total project costs:

Building design build contract	\$294,065
Building contract contingency	\$29,406
Design phase contingency	\$7,000
Permits	\$6,000
Septic system	\$10,000
Water and electrical service	\$10,000
Property fencing	\$15,000
Imported base material	\$3,000 (to be performed by Operations staff)
Building demo (not including carport)	\$3,000 (to be performed by Operations staff)
General cabinetry and shelving	\$10,000
Fuel and pesticide storage	\$3,000
<u>Field testing</u>	<u>\$10,000</u>
Total project costs:	\$400,500 (rounded)

FISCAL IMPACT

The total anticipated cost to complete the construction of a new shop building is \$400,500 (see table above). These costs will be funded through the Groundwater Enterprise budget, and no additional project implementation costs are obligated by the Contract. The current CIP budget for this project is \$350,000.

POTENTIAL MOTIONS

1. Accept the bid of CSNK Construction and authorize the General Manager and General Counsel to complete the negotiation of services and fees and execute a design build agreement in an amount not to exceed \$294,065. Authorize the General Manager to approve the expenditure of the contingency fund of \$36,406 for verified quantity overruns for this unit priced design build contract and order any necessary changes or additions in work performed under the contract with CSNK Construction. Authorize the General Manager to spend up to \$70,000 to obtain permits, a septic system, water and electrical service, property fencing, and field testing. Authorize the General Manager to accept the work when completed and execute and file the Notice of Completion
2. Move to table the items to a future meeting of the Board or the Operations Committee.
3. Table the items to a future meeting for consideration, noting the project delays.

ATTACHMENTS OR MATERIALS

1 - Mentone Shop Design/Build Bid Summary

2 - Draft Design Build Contract with CSNK Construction for the Mentone Shop Improvement

Note that Attachment 2 will be included with the Board action item, but is not attached to this draft memo.

APPROVALS

District Counsel

General Manager's Report

From February 5, 2022, to March 4, 2022
Daniel B. Cozad



**San Bernardino Valley
Water Conservation District**

Helping Nature Store Our Water

The District currently remains at Phase 2 COVID 19 response level; however, some staff are working from home after testing positive or having potential contacts. CalOSHA Standards for COVID require masks by unvaccinated or undocumented staff in the office's common areas. CDC and State Health guidelines recommend or require masks by all staff in common areas. San Bernardino County and California cases and transmission rates have fallen from peak levels in January. Staff will notice all Board meetings as in-person/hybrid as allowed by the Brown Act or health guidance allows.

The following report covers the weeks between meetings and the efforts and activities during the reporting period.

- 1. Water Conservation – Plan Goal 1** – Santa Ana River, Mill, and Plunge Creeks were dry for several months. December storms added significant flow and some fire-related sediment; however, January and February were primarily dry. Mill Creek's total recharge for the Water Year is over 1100 AF. The Santa Ana River recharge is projected to be nearly 5750 AF for the Water year beginning in October. Plunge Creek recharge is still showing good recharge at about 820 AF. The total recharge is just over 7,650 AF.
- 2. Facility Maintenance and Cleanout – Plan Goal 1** – Normal winter water operations are underway, and all facilities are in operation.
- 3. Aggregate Management – Plan Goal 1** – Upland Rock continues screening and selling sand and rock from District basin cleaning efforts and supporting land management efforts and costs.
- 4. Personnel/Administration/Staff** – Staff continues to monitor and implement the District Extreme Flu/COVID19 plan. Staff is using the modified work program to increase effectiveness and maintain office occupation limits.
- 5. Finance/Budget/Audit** – Support for the Board's financial reporting and standard accounting efforts were completed. Staff was implementing the annual budget and reviewed it compared to Second Quarter operating results. Staff developed the 2022-2023 budget for groundwater and related revenue and expenses. Staff received four proposals for the auditor RFP in February. The Board will select the new District auditor selection in April.
- 6. Mill Creek Diversion Engineering – Plan Goals 1/4** – Erwin reports on the engineering and construction projects at meetings when updates are not included in agenda items. Staff continues to provide the additional requested information for environmental and engineering questions in the hopes of having permits in time to construct in 2022.

7. **Plunge Creek Conservation Project** – *Plan Goals 1/4* – Both operations and habitat management and monitoring efforts are ongoing. December storms made significant changes in the project and expanded the footprint of the waters area by more than eight acres. Recharge for this water year has been good, about 825 AF.
8. **Enhanced Recharge Project** – *Plan Goal 1* – The Enhanced Recharge Phase 1A is completed. Engineering design is nearing completion for the new basins scheduled for construction in 2022. State and Waters permitting are needed to proceed and being processed by SBVMWD.
9. **Active Recharge Transfer Project Partnership** – *Plan Goals 1, 2, and 4* – The Committee met on January 10, 2022. Staff has negotiated proposals for design support, and these agreements are on the agenda for Board consideration again this month. An additional contract will be on a future agenda.
10. **Edison Divestiture to Water Users** – *Plan Goals 1/4* – The Committee held a meeting on January 6, 2022, updating the group on SCE feedback.
11. **Groundwater Council** – *Plan Goal 1* – The Groundwater Council met on February 14, 2022, and approved the draft budget, water credits, and other issues.
12. **Shop Facilities for Field Staff** – *Plan Goals - 1* – Erwin provides a separate report for the Board.
13. **Wildland Trails** – *Plan Goal 3* – Developing and opening Wildland Trails on District property is a Board priority and now has a separate report listed on the agenda. The Highland City Council approved the Agreement on January 11, 2022, and the Board approved it on January 12, 2022. Staff has been working on several comments from Redlands to get the agreement on the Council agenda for consideration in March 2022.
14. **Wash Plan** – *Plan Goal 4* – The Wash Plan has a separate report listed on the agenda. Staff continues to work with AECOM on permitting, and staff working with CDFW staff on the 1602 permit and with the Regional Board to review the permits and negotiate terms. Staff submitted the second revised 2081 application in December, deemed complete, and Staff will be working on the permit terms in February. First-year reporting is underway.
15. **Santa Ana River Wash Plan Land Exchange Act Implementation** – *Plan Goal 4* – S.-47 was passed and signed by the President, becoming PL 119-6. Staff, District Counsel, answered questions for the Appraiser and Reviewing Appraiser assisting BLM. Staff and the BLM are working on the description of work needed in the Right of Way to support the District's activities under the land transferred to BLM. Staff and Dudek developed a fast-track EA supporting the ROW issuance for BLM.
16. **Conservation Trust** – *Plan Goal 4* – The Conservation Trust Board of Directors met on January 5, and staff has met with entities with which a deposit agreement is on file. The District and Trust have been reimbursed for services and funding for conservation easements and contributions to the endowment. Most projects continue to move forward slowly with the SBCTA efforts in the lead.

17. Property/Redlands Plaza – Staff continues to manage Redlands Plaza tenants and maintenance issues. All units are now fully leased, with the church is working with the City on permitting the changes needed for the CUP. District Counsel is working with Red Dragonfly Spa to vacate the suite as their lease has expired.

18. Mining – Mining efforts by CEMEX contractors continue at the Plant Site quarry. Mining above the guaranteed minimum continues resulting in additional revenue to the Land Enterprise and large stockpiles for ongoing freeway and construction projects.

19. Public Outreach and Legislative – *Plan Goal 5* Staff worked with consultants to coordinate outreach and award applications. They have supported HCP funding requests and meetings with legislators including Senator Ochoa-Bogh and coordinated with the press on State endangered species listing for SBKR. Staff and consultants have worked on the 90th Anniversary celebration of the District's founding on May 12, 2022.

20. Current Board Action Implementation – Many priority efforts have separate sections of the General Manager's Report or independent Board requested reports. Staff and District Counsel worked closely on EHL/CBD v. USACOE settlement-related studies. Trails MOU with Redlands is a priority and support for Redistricting scenarios. The Watershed Connect Program prepared a nice application brochure for the ACWA Innovation Award attached.

21. Future Board Activities – Expected short-term items for consideration or note

- Exchange Plan Amendment – the Task Force reviewed in provided legal and other comments, and after the resolution, Board consideration is planned for early 2022.
- BLM Land MOU/ROW working with regional manager to complete in early/mid-2022
- Alliance JPA for River HCP when completed

22. District Successes

- Staff hosted a well-attended ARTP project tour for District Board members and staff and Board members of SBVMWD and EVWD.
- Staff hosted LA Times Reporter Louis Sahagun and a photographer working on a story about the State listing of the San Bernardino Kangaroo Rat. Showing new habitat in Plunge Creek and compatible use in the spreading grounds.
- Local storms provided pretty snow and a little rain but did not significantly increase streamflow for recharge in an otherwise dry year. Still, they make for stunning sunsets.



San Bernardino Valley Water Conservation District

Monthly Recharge Report

From: 2/1/2022
To: 2/28/2022



	February				
	Avg Daily Recharge	Monthly Recharge	Recharge WYTD	10yr Avg Recharge*	BTAC Max**
Santa Ana River	42.8	1,199	5,959	10,018	176,625
Mill Creek	2.8	78	859	3,354	105,975
Plunge Creek	0.0	-	815	107	#N/A
State Water Project	0.0	-	9	6,681	#N/A
In River Channel Recharge***	0.0	-	384	#N/A	#N/A
Total	46	1277	8,025	20,160	282,600

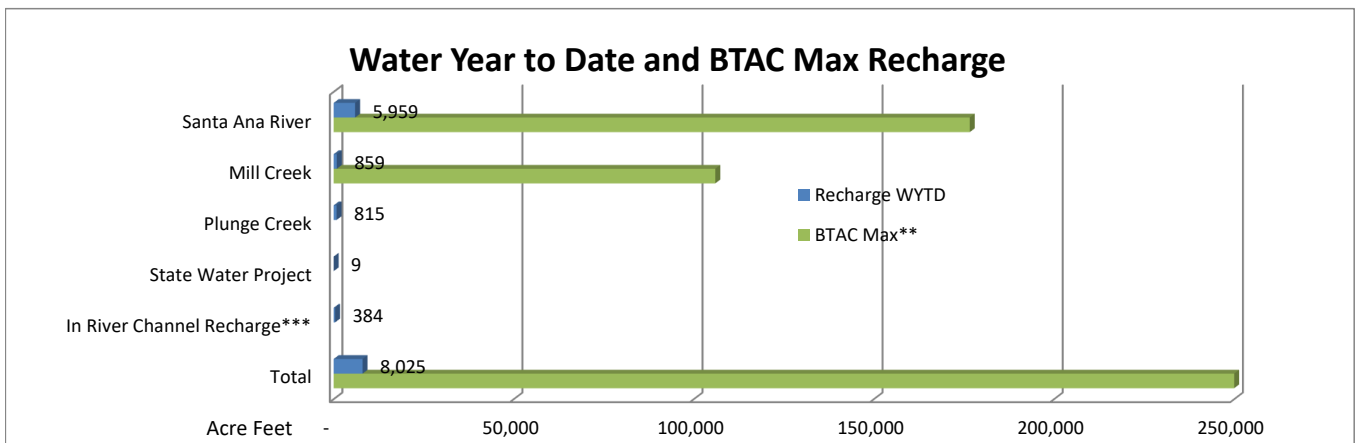
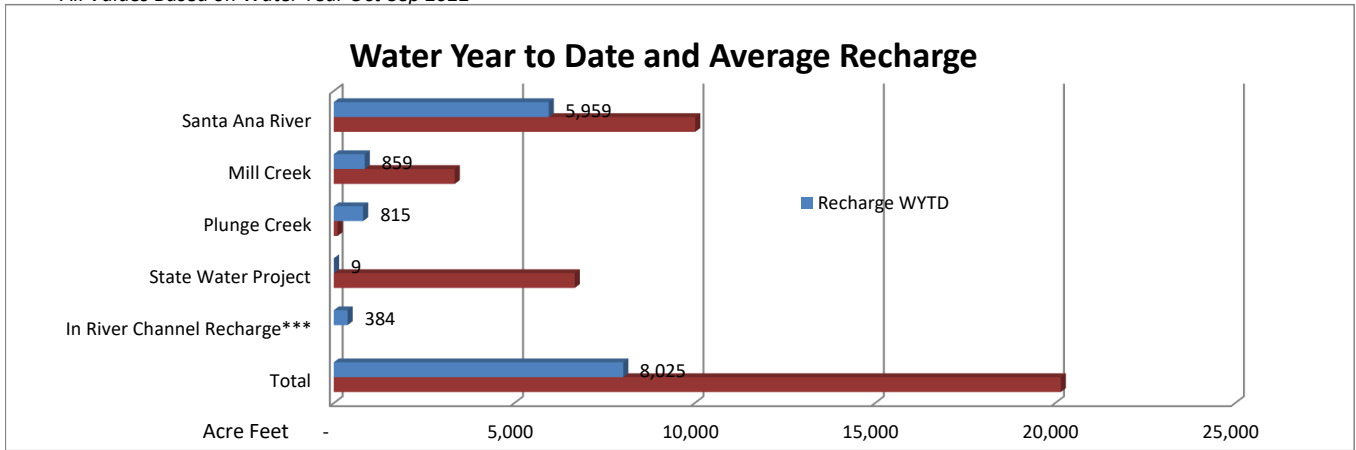
Values in Acre Feet

* Plunge Creek only has 1 year of available data

**BTAC Revised Max in December 2021

***Monitoring began in Mid-April 2011

**** All Values Based on Water Year Oct-Sep 2022



Watershed *Connect*



CLAIR A. HILL AGENCY AWARD FOR EXCELLENCE

Watershed Connect: Achieving Resilience Through Integrated Infrastructure

ASSOCIATION OF CALIFORNIA WATER AGENCIES
2022



Background

The Upper Santa Ana River (Upper SAR) Watershed, spanning more than 850 square miles in San Bernardino and Riverside counties in Southern California, is a highly connected system of surface water, groundwater, and rich habitat that the region depends on for its local water supply.

For many years, the San Bernardino Valley has been challenged by prolonged drought, increased wildfires, and climate uncertainty. In response, the region is investing in collaborative solutions to diversify its water supply portfolio, recharge its groundwater basins, restore critical habitat and secure a sustainable water future.

A COLLABORATIVE AND INNOVATIVE SOLUTION

WATERSHED CONNECT is a regional infrastructure program, a network of forward-looking projects designed to achieve water supply reliability, climate resilience, and long-term ecological health of the Upper SAR Watershed.

This multiphase program includes interconnected water capture, recharge, storage, treatment, and conveyance projects.

WATERSHED CONNECT will collectively maximize the use and reuse of local water resources, while attaining a healthy, functional river ecosystem that supports 22 federally- and state-protected species. **WATERSHED CONNECT**'s innovative approach maximizes program value and offers synergistic benefits to the watershed and its people

WATERSHED CONNECT is governed by the Upper Santa Ana River Watershed Infrastructure Financing Authority (USAR WIFA), a Joint Powers Authority (JPA) representing San Bernardino Valley Municipal Water District, San Bernardino Valley Water Conservation District, City of San Bernardino Municipal Water Department, and Yucaipa Valley Water District. The participants, all of whom rely upon the highly connected tributaries, groundwater basins, and natural ecosystems of the Santa Ana River, have come together as stewards of the watershed to ensure funding is available to secure a reliable and sustainable water future for nearly 1 million people in the San Bernardino and Riverside Counties.

Program Benefits

WATERSHED CONNECT will capture more than **38,000 AFY** of stormwater runoff, produce and distribute over **25,000 AFY** of recycled water for groundwater recharge, restore over **870 acres** of habitat, create **830 acres** of open space, and generate over **1,300 kW** of renewable energy within the Upper SAR Watershed.

This integrated program offers the following benefits to the region:

IMPROVED WATER QUALITY

Advanced treatment upgrades will improve regional water quality by reducing the amount of salt, nutrients, and emerging contaminants introduced to surface waters and groundwater basins. Proposed stormwater capture and treatments projects will produce high-quality water for blending with groundwater supplies high in total dissolved solids.

ECOLOGICAL HEALTH

Planned habitat mitigation and restoration initiatives will holistically enhance the ecological health of the Upper SAR Watershed, supporting the region's urban, environmental, recreational, and economic needs.

RESILIENCY IN THE FACE OF CLIMATE CHANGE

The collection of forward-looking restoration projects will improve water supply security for the region. Investments in alternative water supplies, emergency storage, and system redundancies enhance the regions' resilience to climate threats.

INFRASTRUCTURE ENHANCEMENTS

Modernization of existing infrastructure combined with new water movement systems are planned to create enhanced water resources. Upgrades, including pipeline protection initiatives and solar energy projects, will reduce climate-related vulnerabilities and ensure reliable services during natural disasters.

DROUGHT RESILIENCY

The program's ambitious stormwater capture, groundwater recharge, and water reuse projects position the region to sustain short and long-term droughts.

JOB CREATION

It is estimated that program will create 1,523 direct jobs. The program will require heavy site construction and involve all types of trades, including but not limited to site construction, concrete work, masonry, plumbing, HVAC, electrical, controls, and others.



Community Support

WATERSHED CONNECT was championed by Congressman Pete Aguilar (CA-31), a Member of the House Committee on Appropriations. Mr. Aguilar developed a bipartisan letter of support signed by Congressman Raul Ruiz (CA-36), Congressman Mark Takano (CA-41), Congresswoman Norma Torres (CA-35), Congressman Ken Calvert (CA-42), and Congressman Jay Obernolte (CA-8).

Along with Congressional support, the program has received over 35 letters of support from a diverse group of stakeholders, ranging from unions to environmental advocates to local business and development interests.

“National CORE is the fifth largest nonprofit affordable housing developer in the nation headquartered in Rancho Cucamonga with deep roots in the Inland Empire region of Southern California. We support regional infrastructure programs that target healthy communities that thrive and prosper for many generations to come.”

STEVE PONTELL

President and CEO,
National Community Renaissance



“Investments in infrastructure and water resource management result in significant economic benefit for the region. San Bernardino Valley College is a long-standing partner for water and wastewater job training and workforce development.”

DIANA Z. RODRIGUEZ

Former President,
San Bernardino Valley College





Fiscal Responsibility

WATERSHED CONNECT was recently invited to apply for up to \$177 million in federal funding from the Water Infrastructure Finance and Innovation Act (WIFIA) through the U.S. Environmental Protection Agency (EPA). The program was one of only 39 new projects invited to apply for the competitive low-interest loan program.

WATERSHED CONNECT was developed in the Summer of 2021 following the EPA’s announcement of additional funding. While agencies often spend a year or more preparing to apply for WIFIA funding, **WATERSHED CONNECT** came together in just under 10 weeks, as partners recognized the value of collaboration.



“The fact that we were able to generate so much support throughout the region in such a short period of time, tells us that this program is the right approach” shared Heather Dyer, CEO/General Manager of the San Bernardino Valley Municipal Water District. “We’ve done the planning and designed the projects – now we are working on the smartest and most advantageous way to pay for them.”

Program administrators are currently pursuing additional state and federal funding through programs such as the Clean Water State Revolving Fund (CWSRF), Department of Water Resources Integrated Regional Water Management program, USBR WaterSmart Grants, Title XVI Water Reclamation and Reuse program and more.

TRAVEL AND EXPENSES COST ESTIMATE

Name of Event:	ACWA Spring Conference
Event Dates:	05/03/2022-05/05/2022
Conference Location:	Sacramento, CA
Requested by:	Richard Corneille

GL	GL Name	Cost	Notes
	6401 Directors Fees (\$246)	\$ 984.00	4 days
	6410 Mileage (.585)	\$ 555.75	Roundtrip
	6415 Air Fare	\$ -	
	6420 Other Travel	\$ -	
	6425 Meals	\$ 100.00	
	6430 Lodging	\$ 757.11	
	6435 Conference Registration (Full)	\$ 775.00	
	Estimated Total	\$ 3,171.86	