NACIMIENTO PROJECT COMMISSION MEMBERS: *CITY OF PASO ROBLES, TEMPLETON CSD, ATASCADERO MWC, CITY OF SAN LUIS OBISPO, SLO COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT*

Notice of Regular Meeting

NACIMIENTO PROJECT COMMISSION

SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

THURS., MAY 27, 2021 – 4:00 PM

Phone line: +1 (646) 749-3122

Access Code: 565-881-053

Webinar: https://global.gotomeeting.com/join/565881053

Public comments can be submitted to: wthomson@co.slo.ca.us

For more information: https://www.slocounty.ca.gov/Departments/Public-Works/Forms-Documents/Committees-Programs/Nacimiento-Project-Commission.aspx

Chair: Grigger Jones; Vice-Chair: Andy Pease

AGENDA

I. **CALL TO ORDER (**Roll Call, Quorum Count & Flag Salute)

II. **PUBLIC COMMENT** **Non-agenda items within Commission jurisdiction; subject to three-minute limit each.*

III. **MEETING MINUTES** (Recommend Approval)

A. Naci Commission, April 22, 2021

IV. **COMMISSION INFORMATIONAL ITEMS** (No Action Required): None

A. Utilities Division Manager's Report

B. Third Quarter Operations Budget Report – FY 2020-21

C. Report on Board Action Concerning Shandon-San Juan WD's Water Right Applications

V. **PRESENTATIONS** (No Action Required): None

VI. **COMMISSION ACTION ITEMS** (No Subsequent Action by BOS Required): None

VII. **COMMISSION ACTION ITEMS** (Action Subsequently Required by BOS): None

VIII. **FUTURE AGENDA ITEMS DESIRED BY COMMISSION**

Next Commission Meeting: Aug 26, 2021

ATTACHMENTS

1. Naci Commission Minutes – April 22, 2021
2. Item IV.A – Staff Report
3. Item IV.B – Staff Report
4. Item IV.C – Staff Report

CONTACT: *All Americans with Disabilities Act (ADA) accommodations shall be promptly reviewed and resolved.* Persons who require accommodations for any audio, visual or other disability in order to review an agenda, or to participate in the meeting per the ADA, are encouraged to request such accommodation 48 hours in advance of the meeting from Wes Thomson at (805) 781-5252.

NACIMIENTO PROJECT COMMISSION

MEETING MINUTES

April 22, 2021

QUORUM: **YES**
(5/5 Seats & Voting Share > 51%)

COMMISSIONERS PRESENT (Voting Share %)
Atascadero MWC (17%): Grigger Jones (Chair)
City of SLO (28%): Andy Pease (Vice Chair)
District (20%): John Peschong
Paso Robles (33%): John Hamon
Templeton CSD (2%): Wayne Petersen

CLERK (District): Mark Chiaramonte

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1. CALL TO ORDER

The special quarterly meeting of the Nacimiento Project Commission was held on Thursday, April 22, 2021, at 4:00 P.M., with Grigger Jones in the Chair, and Mark Chiaramonte present as the Clerk. Present: Hamon, Petersen, Jones, Pease, and Peschong. Quorum established.

2. PUBLIC COMMENT: *None.*

3. REVIEW OF PREVIOUS MEETING MINUTES

Minutes from February 2021 meeting were presented and approved without changes.
Motion for approval: J. Peschong; Seconded: W. Petersen; All approved.

4. COMMISSION INFORMATIONAL ITEMS: *None.*

5. PRESENTATIONS (NO ACTION REQUIRED): *None.*

6. COMMISSION ACTION ITEMS (NO SUBSEQUENT ACTION BY BOS REQUIRED)**:** *None.*

7. COMMISSION ACTION ITEMS (ACTION SUBSEQUENTLY REQUIRED BY BOS):

FY 2021-22 Operating Fund Proposed Budget

L. O'Neil presented the proposed operating fund budget for FY 2021-22, and the Commission voted unanimously to endorse/approve the final proposed budget as presented.
Motion for approval: J. Hamon; Seconded: A. Pease; All approved.

8. FUTURE AGENDA ITEMS DESIRED BY COMMISSION:

J. Hamon requested an informational report on the recent action by Shandon-San Juan Water District to file water right applications for Nacimiento and Salinas water. J, Peschong said he would report back on Board action planned for May 4, 2021.

The meeting was adjourned by Jones at 4:17 P.M.
Wes Thomson, Secretary

SAN LUIS OBISPO COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
NACIMIENTO WATER PROJECT

TO: **Naci Technical Support Group**

FROM: **Nola Engelskirger, Chris Summers**
Jon Uder, Wes Thomson

DATE: **May 13, 2021**

SUBJECT: **NWP Projects – Monthly Update**

Capital Outlay (CIP) Project Updates

Isolation Valve Install

- Power supply and control panel installation for the 36" butterfly valve & actuator at Wellsona completed; HMI integration of the valve/actuator controls is estimated to be done within the next 2-3 months to complete the overall project.

Non-Routine Maintenance (NRM) Project Updates

SCADA Server Upgrade

- The last of the "new server troubleshooting" and changes to HMI were made successfully; Pump Station HMI computer upgrades completed. Staff anticipates fully removing the old servers alongside the implementation of the Wellsona HMI integration.

Upcoming Projects:

Santa Margarita Creek Bridge Pipeline Relocation (No Change)

- Pipeline relocation onto vehicular bridge crossing Santa Margarita Creek as part of bridge widening and replacement project by the County. PS&E in progress.
- Due to federal grant funding shortfalls, construction of the El Camino Real bridge replacement project (vehicular bridge) is being delayed a year to 2023. Costs likely to bridge FY 22/23 to FY 23/24 budgets.

Completed Projects

North Salinas River Crossing Repair

- The slip line was pressure tested under full head conditions, held pressure for 3 days, and determined to be successful. East and west connections were backfilled, and all field construction activity completed as of April 29.

Air Vacs Repairs and Prevention

- Repairs to the air vacs identified as higher risk/critical completed as of May 7.

O&M Updates – Workplan Focus Areas, April 2021

- Exercised valves.
- Replaced actuator on T11 isolation valve.
- Rechecked soil to pipe potential on "hot spots."
- Completed air vac reinforcement project.

Upcoming Budget Review -- NWP FY 2021-22 Operating Fund Budget

- 4/22 – Commission endorsed/approved the Proposed FY2021-22 budget.
- June 2021 – Final review/approval at the County Board annual budget hearings.

TO: **Nacimiento Project Commission**

FROM: **Katie Franco, Finance Division**
VIA: **Mark Chiaramonte, Utilities Division Manager**

DATE: **May 27, 2021**

SUBJECT: **Agenda Item IV.B – FY 2020-21 Third Quarter Operations Budget Update**

Figures summarizing the Fiscal Year 2020-21 Third Quarterly Operating Fund Budget are provided for your information. With 75% of the year elapsed, total expenditures and purchase order commitments are at 41.7% of budget. This includes Non-Routine projects and Capital Outlay projects that fluctuate during the fiscal year.

More notably, annual Routine Operations and Maintenance efforts are at 36.2% of the budget (highlighted.) Much of the savings variance in this category is because payments to the Monterey County Water Resources Agency associated with the master water contract (budgeted at $414,809) are not made until later in the fiscal year.

FY2020-21 Nacimiento Operating Fund						
		Budget	Expenses & Purchase Orders	Expenses and Purchase Orders as a % of Budget		Balance Available
	Routine O&M	4,204,272	1,520,429	36.2%		2,683,843
	Non Routine O&M Projects	4,955,533	1,953,823	39.4%		3,001,710
	Capital Outlay Projects	790,897	677,076	85.6%		113,821
	Total	9,950,702	4,151,329	41.7%		5,799,373
[a]	Variable Energy	2,483,456	1,157,028	46.6%		1,326,428

[a] PG&E invoices for Variable Energy usage. Costs are billed to participants based upon actual usage and are not included in Participants' Installment Billings or Final Billings.

If you have any questions, please feel free to contact me at (805) 781-5250 or via e-mail at kfranco@co.slo.ca.us. Staff will be available to answer specific questions at the meeting.

Nacimiento Water Operating Fund
Budget Status Report
FY 2020-21

		B	C	D	E	F	G	I	J	K	L	M
	carry fwd		WBS Element	Budget FY 2020-21	Quarter 1 July-Sep	Quarter 2 Oct-Dec	Quarter 3 Jan-March	Total Expenses	Purchase Orders (POs)	Total Expenses and POs	Exps & POs % of Budget	Available Budget
1		**Routine Operation and Maintenance**										
2		**MASTER WATER CONTRACT**	300420.01.03	$ 414,809	$ -		$ -	$ -		-	0.0%	**$ 414,809**
3		**WATER CONSERVATION MANAGEMENT**	300420.04	-	-		-	-		-	0.0%	**-**
4		**WATER QUALITY SUPPORT/ANALYSIS**	300420.05 & 300420.06/.06.01.03/.06.02 /.06.03/.06.04	212,925	22,011	36,707	50,208	108,926	-	**108,926**	51.2%	**103,999**
5		**REGULATORY AGENCY/DPH**	300420.02	9,338	-	-	9,806	9,806		**9,806**	105.0%	**(468)**
6		**INVASIVE SPECIES/QUAGGA MUSSEL**	300420.06.01.01/.06.01.02 / .09.02	109,189	10,717	9,948	14,698	35,363		**35,363**	32.4%	**73,826**
7		**ENVIRONMENTAL MITIGATION**	300420.09/09.01	67,680	1,378	11,826	4,714	17,918		**17,918**	26.5%	**49,762**
8		**UTILITIES OPERATIONS AND OFFICE ENGINEERING**	300420.07	190,714	47,730	98,008	78,290	224,028	2,239	**226,267**	118.6%	**(35,553)**
9		**LAKESIDE CONTRACTS**	300420.01.05	13,950	966	6,277	2,119	9,362		**9,362**	67.1%	**4,588**
10		**WATER RIGHTS**	300420.01.04	108,410	2,712	3,809	39,220	45,741	1	**45,742**	42.2%	**62,668**
11		**GENERAL-ACCOUNTING**	300420.01	226,056	21,038	34,695	26,103	81,836		**81,836**	36.2%	**144,220**
12		**COUNTY WIDE OVERHEAD**	300420.01.01	70,000	28,504	28,504	28,504	85,512		**85,512**	122.2%	**(15,512)**
13		**CONTRIBUTION TO ISF/NEW EQUIP**	300420.01.02	74,755	-	-	-	-		**-**	0.0%	**74,755**
14		**GENERAL UNITS**	300420.10	235,720	18,788	62,476	10,731	91,995	9	**92,005**	39.0%	**143,715**
15		**UNIT A**	300420.10.A	226,938	88,680	43,516	42,063	174,259	1,507	**175,766**	77.5%	**51,172**
16		**UNIT A1**	300420.10.A1	51,087	3,387	19,047	7,600	30,034	73	**30,107**	58.9%	**20,980**
17		**UNIT B**	300420.10.B	171,521	40,470	112,763	37,285	190,518	1,193	**191,711**	111.8%	**(20,190)**
18		**UNIT C**	300420.10.C	30,267	262	959	3,339	4,560		**4,560**	15.1%	**25,707**
19		**UNIT C1**	300420.10.C1	33,209	6,664	7,214	9,669	23,547	-	**23,547**	70.9%	**9,662**
20		**UNIT D**	300420.10.D	19,697	3,322	1,903	4,372	9,597		**9,597**	47.7%	**10,300**
21		**UNIT E**	300420.10.E	18,774	2,490	1,876	3,818	8,184		**8,184**	43.6%	**10,590**
22		**UNIT F**	300420.10.F	18,843	675	13,707	1,613	15,995		**15,995**	84.9%	**2,848**
23		**UNIT F1**	300420.10.F1	17,480	1,767	6,157	3,621	11,545		**11,545**	66.0%	**5,935**
24		**UNIT F2**	300420.10.F2	137,360	36,698	23,738	17,232	77,668	900	**78,568**	57.2%	**58,792**
25		**UNIT G**	300420.10.G	25,713	5,560	4,672	5,682	15,914		**15,914**	61.9%	**9,799**
26		**UNIT G1**	300420.10.G1	26,684	779	2,543	5,381	8,703		**8,703**	32.6%	**17,981**
27		**UNIT G2**	300420.10.G2	17,845	1,012	633	4,390	6,035	140	**6,175**	34.6%	**11,670**
28		**UNIT H**	300420.10.H	3,110	-	378	868	1,246		**1,246**	40.1%	**1,864**
29		**UNIT H1**	300420.10.H1	26,771	21,222	2,495	10,811	34,528		**34,528**	129.0%	**(7,757)**
30		**UNIT T-2**	300420.10.T2	42,717	7,922	1,998	794	10,714		**10,714**	25.1%	**32,003**
31		**UNIT T-4**	300420.10.T4	12,181	1,817	1,207	1,255	4,279		**4,279**	35.1%	**7,902**
32		**UNIT T-6**	300420.10.T6	12,493	1,773	1,892	2,069	5,734		**5,734**	45.9%	**6,759**
33		**UNIT T-9**	300420.10.T9	9,391	1,168	119	478	1,765	-	**1,765**	18.8%	**7,626**
34		**UNIT T-11/11A**	300420.10.T11/T11A	29,348	2,073	3,430	1,984	7,487		**7,487**	25.5%	**21,861**
35		**UNIT T-11B**	300420.10.T11B	-	-		-	-		**-**	0.0%	**-**
36		**REIMBURSABLE BILLINGS**	300420.11	-	1,247	2,073	1,069	4,389		**4,389**	0.0%	**(4,389)**
37		**REIMB BILLINGS: EMERGENCY WTR LINE BREAK MAY 2018**	300420.11.20 / 40163744	-			1,149	1,149		**1,149**	0.0%	**(1,149)**
38	(*)	**NACI WATER SALE PROGRAM**	300420.12	17,689		12,954	-	12,954	83,401	**96,355**	544.7%	**(78,666)**
39	(*)	**SAN ANTONIO SPILLWAY REHAB**	(*) 300420.13	100,000		1,084		1,084	-	**1,084**	1.1%	**98,916**
40	(*)	**LEGAL**	300420.10.A1.01 & .02	1,421,608	9,912	24,555	24,326	58,793	-	**58,793**	4.1%	**1,362,815**
41		**SUBTOTAL: ROUTINE OPERATIONS AND MAINTENANCE**		**$ 4,204,272**	**$ 392,744**	**$ 583,163**	**$ 455,060**	**$ 1,430,967**	**$ 89,463**	**$ 1,520,429**	**36.2%**	**$ 2,683,843**
42		**Non-Routine O&M**										
43		**MISC. FIBER OPTIC REPAIR (rebudget annually) ($6500 MISC FIBER) and ($100K MISC PROJECTS)**	(*) 300420.08.TBD	$ 106,500		$ 299		$ 299		**299**	0.3%	**$ 106,201**
44		**INTERLAKE TUNNEL PLANG (place holder)**	(*) 300420.08.02	-				-		**-**	0.0%	**-**
45	(*)	**NORTH SALINAS RIVER CROSSING REPAIR (MAINT: TYPE 3)**	300641	3,315,631	103,554	340,338	841,891	1,285,783	594,730	**1,880,513**	56.7%	**1,435,118**
45	(*)	**5 YR INTAKE INSPECTION (EVERY 5 YRS. 2022/23)**	(*) 300420.08.03	-				-		**-**	0.0%	**-**
46	(*)	**5 YR PIPELINE CLOSE INTERVAL SURVEY (EVERY 5 YRS) (CLSD)**	(*) 300420.08.04	-				-		**-**	0.0%	**-**
47	(*)	**SANTA MARG CRK BRIDGE PIPE RELOCATION**	(*) 300420.08.05	874,812		17,964		17,964	7,045	**25,009**	2.9%	**849,804**

	carry fwd		WBS Element	Budget FY 2020-21	Quarter 1 July-Sep	Quarter 2 Oct-Dec	Quarter 3 Jan-March	Total Expenses	Purchase Orders (POs)	Total Expenses and POs	Exps & POs % of Budget	Available Budget
48	(*)	INTAKE PUMP SYSTEM IMPROVEMENTS (5 SYSTEMS)	(*) 300420.08.12	37,968				-		-	0.0%	37,968
49	(*)	SYPS RANCH ROAD & GATE REPAIR	(*) 300420.08.13	-		6,525		6,525		6,525	0.0%	(6,525)
49	(*)	INTAKE PS: SLOPE REPAIR AND DRAINAGE WORK (S/B CLSD Q1 20/21)	(*) 300420.08.14	43,534	1,752	4,426	465	6,643		6,643	15.3%	36,891
50	(*)	POWER MONITORING AT INTAKE	(*) 300420.08.15	30,000	478	5,484		5,962		5,962	19.9%	24,038
51	(*)	SCADA EFFORTS AT BOOSTER STN PROJECT	(*) 300420.08.16	324,163	4,592	4,146	3,421	12,159		12,159	3.8%	312,004
52	(*)	SCADA EFFORTS AT BOOSTER STN O&M (REBUDGETED ANNUALLY)	(*) 300420.08.16	102,401				-		-	0.0%	102,401
52	(*)	SYPS EFFICIENCY ALTERNATIVES (CXL)	(*) 300420.08.19	-				-		-	0.0%	-
53	(*)	GENERATOR PAD AT BOOSTER STN INSTALL (33%)	(*) 300420.08.22	-				-		-	0.0%	-
54	(*)	AIR VACS REPAIRS AND PREVENTION	(*) 300420.08.23	88,025			759	759		759	0.9%	87,266
55	(*)	RAISE VALVES ON ROCKY CANYON RD	(*) 300420.08.26	25,000			15,955	15,955		15,955	63.8%	9,045
56	(*)	MATERIALS STORAGE CORRAL	(*) 300420.08.TBD	7,500				-		-	0.0%	7,500
57		SUBTOTAL: NON ROUTINE OPERATION & MAINTENANCE - (NON-CAPITAL ACCOUNTS)		$ 4,955,533	$ 110,376	$ 379,182	$ 862,491	$ 1,352,049	$ 601,774	$ 1,953,823	39.4%	$ 3,001,710
58		Capital Outlay										
59	(*)	ISOLATION VALVES INSTALL (AUC: TYPE 1)	300580	$ 731,510	$ 29,853	$ 111,749	$ 42,226	$ 183,828	456,748	640,576	87.6%	$ 90,934
60	(*)	SHED AT SYPS (AUC: TYPE 1)	300581	42,460	1,615	34,537	348	36,500	-	36,500	86.0%	5,960
61	(*)	NACI RVR XING ULTIMATE CAPACITY (AUC: TYPE 1)	300561	16,927				-		-	0.0%	16,927
62		SUBTOTAL: CAPITAL OUTLAY (CAPITAL ACCOUNTS)		$ 790,897	$ 31,468	$ 146,286	$ 42,574	$ 220,328	$ 456,748	$ 677,076	85.6%	$ 113,821
63		TOTAL BUDGET / INSTALLMENT BILLINGS		$ 9,950,702	$ 534,588	$ 1,108,631	$ 1,360,125	$ 3,003,344	$ 1,147,985	$ 4,151,329	41.7%	$ 5,799,373
64		VARIABLE ENERGY COSTS (NON-CAPITAL ACCOUNT)	300420.03	$ 2,483,456	643,921	460,279	52,828	1,157,028		1,157,028	46.6%	$ 1,326,428
65		BUDGET FOR UNANCITIPATED CAPITAL PROJECT - (CAPITAL ACCT)	n/a	3,750				-		-	0.0%	3,750
66		TOTAL		$ 12,437,908	$ 1,178,509	$ 1,568,910	$ 1,412,953	$ 4,160,372	$ 1,147,985	$ 5,308,357	42.7%	$ 7,129,551

COUNTY OF SAN LUIS OBISPO
BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL

(1) DEPARTMENT	(2) MEETING DATE	(3) CONTACT/PHONE
Public Works	5/4/2021	John Diodati Interim Director of Public Works (805) 788-2832

(4) SUBJECT

Request to authorize the Chair of the Board of Supervisors to sign and send a letter to the State Water Resources Control Board opposing two applications to appropriate water that were submitted by the Shandon-San Juan Water District. Districts 1, 2, 3 and 5.

(5) RECOMMENDED ACTION

It is recommended that the Board, serving as the Paso Basin - County of San Luis Obispo Groundwater Sustainability Agency, authorize the Chair to sign and send a letter to the State Water Resources Control Board that opposes two applications to appropriate water that were submitted to the State Water Resources Control Board by the Shandon-San Juan Water District.

(6) FUNDING SOURCE(S)	(7) CURRENT YEAR FINANCIAL IMPACT	(8) ANNUAL FINANCIAL IMPACT	(9) BUDGETED?
N/A	N/A	N/A	N/A

(10) AGENDA PLACEMENT

{X} Consent **{ }** Presentation **{ }** Hearing (Time Est. _____) **{ }** Board Business (Time Est._____)

(11) EXECUTED DOCUMENTS

{ } Resolutions **{ }** Contracts **{ }** Ordinances **{X}** N/A

(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR)	(13) BUDGET ADJUSTMENT REQUIRED?
N/A	BAR ID Number: N/A **{ }** 4/5th's Vote Required **{X}** N/A

(14) LOCATION MAP	(15) BUSINESS IMPACT STATEMENT?	(16) AGENDA ITEM HISTORY
N/A	No	**{X}** N/A Date _____

(17) ADMINISTRATIVE OFFICE REVIEW

Kristin Eriksson

(18) SUPERVISOR DISTRICT(S)

District 1
District 2
District 3
District 5

Reference: 21.065

COUNTY OF SAN LUIS OBISPO

TO: Board of Supervisors

FROM: Public Works

John Diodati, Interim Director of Public Works

DATE: 5/4/2021

SUBJECT: Request to authorize the Chair of the Board of Supervisors to sign and send a letter to the State Water Resources Control Board opposing two applications to appropriate water that were submitted by the Shandon-San Juan Water District. Districts 1, 2, 3 and 5.

RECOMMENDATION

It is recommended that the Board, serving as the Paso Basin - County of San Luis Obispo Groundwater Sustainability Agency, authorize the Chair to sign and send a letter to the State Water Resources Control Board that opposes two applications to appropriate water that were submitted to the State Water Resources Control Board by the Shandon-San Juan Water District.

DISCUSSION

On April 20, 2021, the Board directed staff to provide a letter for the Board's consideration on May 4, 2021 that indicates opposition to the two applications to appropriate water submitted to the State Water Resources Control Board by the Shandon-San Juan Water District. The draft letter is attached, and the two applications are included as attachments to the letter.

OTHER AGENCY INVOLVEMENT/IMPACT

The Shandon-San Juan Water District submitted two applications for the appropriation of water to the State Water Resources Control Board, the agency under the California Environmental Protection Agency that handles water rights applications.

FINANCIAL CONSIDERATIONS

There are no financial considerations for this item.

RESULTS

Considering whether to authorize the Chair to sign and send the letter opposing the applications to appropriate water will inform all involved thereby contributing to a well-governed community.

ATTACHMENTS

1 Letter Opposing Applications to Appropriate Water
2 Shandon-San Juan Water District Appropriation Applications

File: CF 320.520.06

Reference: 21.065

L:\Management\2021\May\BOS\Letter Item\Board Letter Draft 5.4.21.docxJD.nd

May 4, 2021

Attn: Mr. Erik Ekdahl, Deputy Director
State Water Resources Control Board
Division of Water Rights
P.O Box 2000
Sacramento, CA 95812-2000

Subject: Opposition to Two Applications to Appropriate Water Submitted by the Shandon-San Juan Water District

Dear Mr. Ekdahl,

On behalf of the County of San Luis Obispo, serving as the Paso Basin – County of San Luis Obispo Groundwater Sustainability Agency, I am submitting this letter of opposition to the two applications to appropriate water (enclosed) that were submitted to your agency by the Shandon-San Juan Water District.

Sincerely,

Supervisor Lynn Compton, Chair, District 4
County of San Luis Obispo

Enclosure

TYPE OR PRINT
IN BLACK INK
(For instructions, see booklet: "How to File an Application to Appropriate Water in California")

APPLICATION NO._____

California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
www.waterboards.ca.gov/waterrights

APPLICATION TO APPROPRIATE WATER

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	Shandon-San Juan Water District	Michael Preszler
Mailing Address	P.O. Box 150	169 Parkshore Drive, Suite 110
City, State & Zip	Shandon, CA 93461	Folsom, CA 95630
Telephone	(805) 451-0841	(916) 542-7895
Fax		
E-mail	wcunha@ssjwd.org	michael@zanjero-water.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

_ Sole Owner
_ Limited Liability Company (LLC)
_ General Partnership*
_ Limited Partnership*
_ Business Trust
_ Husband/Wife Co-Ownership
_ Corporation
_ Joint Venture
x Other California Water District

*Please identify the names, addresses and phone numbers of all partners.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.

This project is being undertaken by the Shandon-San Juan Water District. The purpose of the project is to augment groundwater supplies in the Paso Robles Area Subbasin (the "Subbasin") by transporting unappropriated water in Lake Nacimiento through the existing Nacimiento Water Project Pipeline (the "Pipeline") to the Subbasin. Water would be delivered to the Subbasin by direct recharge in groundwater recharge facilities that will be constructed, owned and operated by Applicant. Water would be later recovered for agricultural use in the Subbasin by Applicant, its landowners, or their designees. The need for groundwater recharge facilities is dependent on Applicant acquiring supplemental water supplies, and such facilities have therefore not yet been designed or constructed. The project proposal involves delivery of water starting no sooner than Mid-September, when Pipeline capacity is available and after the Lake's recreation season has concluded. Consequently, the project would provide the incidental benefits of enhancing recreational and aesthetic values and recreational safety during the Lake's recreation season.

x *For continuation, see Attachment No.* 1

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
Agricultural Irrigation	32.8 cfs	1915	Jan 1	Apr 30	12,000	Oct 1	Jun 30
Stockwatering	32.8 cfs	85	Jan 1	Apr 30			
	Total afa	2,000		Total afa	12,000		

x *See Attachment No. 2* * If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be 14,000 acre-feet.

c. Reservoir storage is: x onstream _ offstream x underground (If underground storage, attach Underground Storage Form.)

d. County in which diversion is located: San Luis Obispo

e. County in which water will be used: San Luis Obispo

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

x POD / _ PORD # 1 Lake Nacimiento Dam, Nacimiento River tributary to the Salinas River thence to the Pacific Ocean

x POD / _ PORD # 2 Nacimiento Water Project Pipeline tributary to _____ thence _____

_ POD / _ PORD # _____ tributary to _____ thence _____

_ POD / _ PORD # _____ tributary to _____ thence _____

If needed, attach additional pages, check box below and label attachment

x *See Attachment No. 3*

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN-SHIP	RANGE	BASE AND MERIDIAN
1	North 2,475,554 feet East 5,705,620 feet	5	NE ¼ of NW ¼	15	25S	10E	MD
2	North 2,475,279 feet East 5,704759 feet	5	NE ¼ of NW ¼	15	25S	10E	MD
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

_ *See Attachment No.* _

c. Name of the post office most often used by those living near the proposed point(s) of diversion: San Miguel Post Office

6. WATER AVAILABILITY

a. Have you attached a water availability analysis for this project? _ YES x NO
If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.
Water availability analysis is under development. Findings of a preliminary investigation are attached.
x *See Attachment No. 4*

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?
_ YES x NO

c. In an average year, does the stream dry up at any point downstream of your project? x YES _ NO If YES, during which months? x Jan _ Feb _ Mar _ Apr _ May _ Jun _ Jul _ Aug _ Sep x Oct x Nov x Dec

d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment
Groundwater
_ *See Attachment No. ____*

7. PLACE OF USE

a. See attached maps

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
¼ of ¼						_YES _NO
				Total Acres:		

Please indicate if section is projected with a "(P)" following the section number.

x *See Attachment No. 5* Please provide the Assessor's Parcel Number(s) for the place of use:
Place of use is the Shandon-San Juan Water District

8. PROJECT SCHEDULE

Project is: x proposed, _ partially complete or _ complete (Year completed -_____).

Extent of completion: Project is in its planning phase.

Estimated amount of time in years it will take for construction to be completed: Seven years from issuance of permit.

Estimated amount of time in years it will take for water to be put to full beneficial use: Seven years from issuance of permit.

9. JUSTIFICATION OF AMOUNTS REQUESTED

a. x IRRIGATION: Maximum area to be irrigated in any one year: 26,254 acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
See Attachment		Drip and Sprinkler	13,915	March 1	Nov 30

x *See Attachment No.* 6

b. _ DOMESTIC: Number of residences to be served: _____ Separately owned?

_ YES _ NO Number of people to be served: _____ Estimated daily use per person is: _____ gallons per day Area of domestic lawns and gardens: _____ square feet
Incidental domestic uses:

_____
(dust control area, number and kind of domestic animals, etc.)

c. x STOCKWATERING: Kind of stock: Cattle and Horses Maximum number: 5,000
Describe type of operation: Range and Horse Ranch
(feedlot, dairy, range, etc.)

d. _ RECREATIONAL: Type of recreation: _ Fishing _Swimming _ Boating _ Other _____

e. _ MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)

_ *See Attachment No.* ____

Month of maximum use during year: _____
Month of minimum use during year: _____

f. _ HEAT CONTROL: Area to be heat controlled: _____ net acres
Type of crops protected: _____
Rate at which water is applied to use: _____ gpm per acre
Heat protection season will begin _____ (month and day) and end _____ (month and day).

g. _ FROST PROTECTION: Area to be frost protected: _____ net acres
Type of crops protected: _____
Rate at which water is applied to use: _____ gpm per acre
The frost protection season will begin _____ (month & day) and end _____ (month & day).

h. _ INDUSTRIAL: Type of industry: _____

Basis for determination of amount of water needed: _____

i. _ MINING: Name of the claim:_____D Patented D Unpatented
Nature of the mine:_____Mineral(s) to be mined: ___
_ Type of milling or processing:
_____ After use, the water will be
discharged into_____(watercourse) in
¼ of_____¼ of Section__, T_____, R_____, B. & M.

j. _ POWER: Total head to be utilized:_____feet
Maximum flow through the penstock:_____cfs Maximum theoretical horsepower capable of being generated by the works (cfs x fall ÷ 8.8): _____
Electrical capacity (hp x 0.746 x efficiency):_____kilowatts at:_____% efficiency
After use, the water will be discharged into_____(watercourse)
in_____¼ of_____¼ of Section_____, T_____, R_____,_____B&M. FERC No.:_____

k. _ FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and habitat type that will be preserved or enhanced: _____

l. _ OTHER: Describe use:_____
Basis for determination of amount of water needed: _____

10. DIVERSION AND DISTRIBUTION METHOD

a. Diversion will be by gravity by means of: Inflow into the Lake and subsequently into the Pipeline
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)

b. Diversion will be by pumping from: See Attachment No. 2
(sump, offset well, channel, reservoir, etc)
Pump discharge rate:_____ cfs or _ gpd Horsepower: _____
Pump Efficiency: _____

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	

_ *See Attachment No.* __

d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)

x *See Attachment No.* 7

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet

_ *See Attachment No.* ___

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be_____cfs. Diversion to offstream storage will be made by:
_ Pumping _ Gravity

11. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain.
The Paso Robles Basin Groundwater Sustainability Plan and other water conservation programs are in place in the District where the water will be put to consumptive use, including San Luis Obispo County's Agricultural Offset Ordinance. Typical irrigation methods used within the District include drip irrigation and water users within the District routinely monitor soil moisture content to ensure optimum crop conditions.

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? _ Weir x Meter _ Periodic sampling x Other (describe)
Applicant will rely on existing stream measurement gauges associated with the Pipeline. Applicant will Install, and will require landowners and designees who recover and beneficially use for irrigation the water that is the subject of this Application to install, meters on recovery wells. All users will be required to comply with the Paso Basin GSP and applicable District rules, regulations and policies.

12. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used?
_ YES x NO
If NO, I _ do x do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:
Applicant will acquire fee title or easement rights for its groundwater recharge facilities and related facilities. Applicant Intends to enter into such agreements as are necessary for use of the Pipeline. Water will be used by Applicant and the Applicant's landowners within District boundaries.

x *See Attachment No.* 8

13. EXISTING WATER RIGHTS AND RELATED FILINGS

a. Do you claim an existing right for the use of all or part of the water sought by this application?
_ YES x NO
If YES, please specify: _ Riparian _ Pre-1914 _ Registration _ Permit _ License
_ Percolating groundwater _ Adjudicated _ Other (specify) _____

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.

_ *See Attachment No.* _

c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.
License No. 7543 and Permit No. 21089; Permit No. 19940

_ *See Attachment No.* _

14. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? _ Yes x No If yes, please explain:

15. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at http://topomaps.usgs.gov. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage. See the instruction booklet for more information.

x *See Attachment No. 3 for Item 5*

ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

16. COUNTY PERMITS

a. Contact your county planning or public works department and provide the following information:

Person contacted: _____ Date of contact: _____
Department: Planning and Community Development____ Telephone:_____
County Zoning Designation:

Are any county permits required for your project? x YES _ NO If YES, check appropriate box below:
_ Grading permit _ Use permit _ Watercourse _ Obstruction permit _ Change of zoning
_ General plan change _ Other (explain):

Applicant is not yet aware of which permits will be necessary. Applicant will provide this information as the project proceeds through its planning phase and such information becomes available.

b. Have you obtained any of the required permits described above? _ YES x NO
If YES, provide a complete copy of each permit obtained.
_ *See Attachment No.* ____

17. STATE/FEDERAL PERMITS AND REQUIREMENTS

a. Check any additional state or federal permits required for your project:
_ Federal Energy Regulatory Commission _ U.S. Forest Service _ U.S. Bureau of Land Management _ U.S. Corps of Engineers _ U.S. Natural Res. Conservation Service _ Calif. Dept. of Fish and Game _ State Lands Commission _ Calif. Dept. of Water Resources (Div. of Safety of Dams) _ Calif. Coastal Commission _ State Reclamation Board _ Other (specify)
_ US Fish & Wildlife Service _ State Historic Preservation Office _ Regional Water Quality Control Board
None that Applicant is aware of as of the date of this Application. Applicant will provide this information as the project proceeds through its planning phase and such information becomes available.

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

_ *See Attachment No.* __

c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? _ YES x NO
If YES, explain:

_ *See Attachment No.* _

b. Have you contacted the California Department of Fish and Game concerning your project?
_ YES x NO If YES, name, telephone number and date of contact:

18. ENVIRONMENTAL DOCUMENT

a. Has any California public agency prepared an environmental document for your project?
_ YES x NO

b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:

c. If NO, check the appropriate box and explain below, if necessary:
x The applicant is a California public agency and will be preparing the environmental document.*
_ I expect that the State Water Board will be preparing the environmental document.**
_ I expect that a California public agency other than the State Water Board will be preparing the environmental document.* Public agency: _____
__ *See Attachment No.* _

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the ~~State Water Board,~~ Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

** Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

19. WASTE/WASTEWATER

a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? x YES _ NO
If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):
Potential for construction-related sediment might occur as a result of construction of recharge facilities. Mitigation will be incorporated into the construction methods to reduce impacts.

_ *See Attachment No.* _

b. Will a waste discharge permit be required for your project? _ YES x NO
Person contacted:_____ Date of contact: _____

c. What method of treatment and disposal will be used? _____

Applicant is not aware of the methods and treatment of disposal, or what the extent of the nature of the waste will be. As the project progresses through the planning phase, Applicant will update this information.

_ *See Attachment No.* _

20. ARCHEOLOGY

a. Have any archeological reports been prepared on this project? _ YES x NO
b. Will you be preparing an archeological report to satisfy another public agency? _ YES x NO
c. Do you know of any archeological or historic sites located within the general project area?
_ YES x NO If YES, explain:
Applicant is not aware at this time of any archaeological or historical sites located within the Project area. Applicant will prepare such reports as may be necessary if archaeological or historical sites are identified.

_ *See Attachment No.* _

21. ENVIRONMENTAL SETTING

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:
_ Along the stream channel immediately downstream from the proposed point(s) of diversion.
_ Along the stream channel immediately upstream from the proposed point(s) of diversion.
_ At the place(s) where the water is to be used.
x *See Attachment No. 9*

SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an $850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

Signature of Applicant	Title or Relationship	Date
Willy Cuneo	President of Board SJTUD	1-25-2021
Signature of Co-Applicant (if any)	Title or Relationship	Date

Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.

"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- D **Answer each question completely.**
- D **Number, label and include all necessary attachments.**
- D **Include a legible map that meets the requirements discussed in the instruction booklet.**
- D **Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.**
- D **Include two complete sets of color photographs of the project site.**
- D **Enclose a check for the required fee, payable to the Division of Water Rights.**
- D **Enclose an $850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.**
- D **Sign and date the application.**

Send the original and one copy of the entire application to:

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000

Attachment No. 1 [for Item 3]

The project also includes the direct diversion of up to 2,000 acre feet annually of water available for appropriation that is periodically spilled from Lake Nacimiento during periods of high precipitation. (See Attachment No. 4.)

Attachment No. 2 [for Item 4]

Applicant acknowledges the State Board's instructions that "*Season of Collection* is the period when water actually is collected for storage in the reservoir. It is generally the period of surplus streamflow in the source, such as the winter and spring months. Indicate the collection season with a beginning and ending month and day in the appropriate columns. Note that the time when water is withdrawn from your reservoir for the irrigation of crops is not the collection season but is . . . the season of water use."

Applicant intends to store of up to 12,000 acre feet of available surplus water in the Lake for diversion at a time when such water is accruing in the Lake, and to subsequently convey the stored water through the Pipeline when capacity is available. Availability of Pipeline capacity typically coincides with the conclusion of the Lake's recreation season, about mid-September. Applicant proposes that, no sooner than September 15th of each year, it be authorized to convey the stored water through the Pipeline to the Pipeline's turnout in the Subbasin (subject to an agreement between Applicant and the Pipeline's operating entity), where Applicant would deliver the water to the Subbasin by way of direct recharge in the recharge facility. Water recharged to the Subbasin would be later recovered and put to beneficial use within Applicant's boundaries by Applicant or its landowners, or their designees.

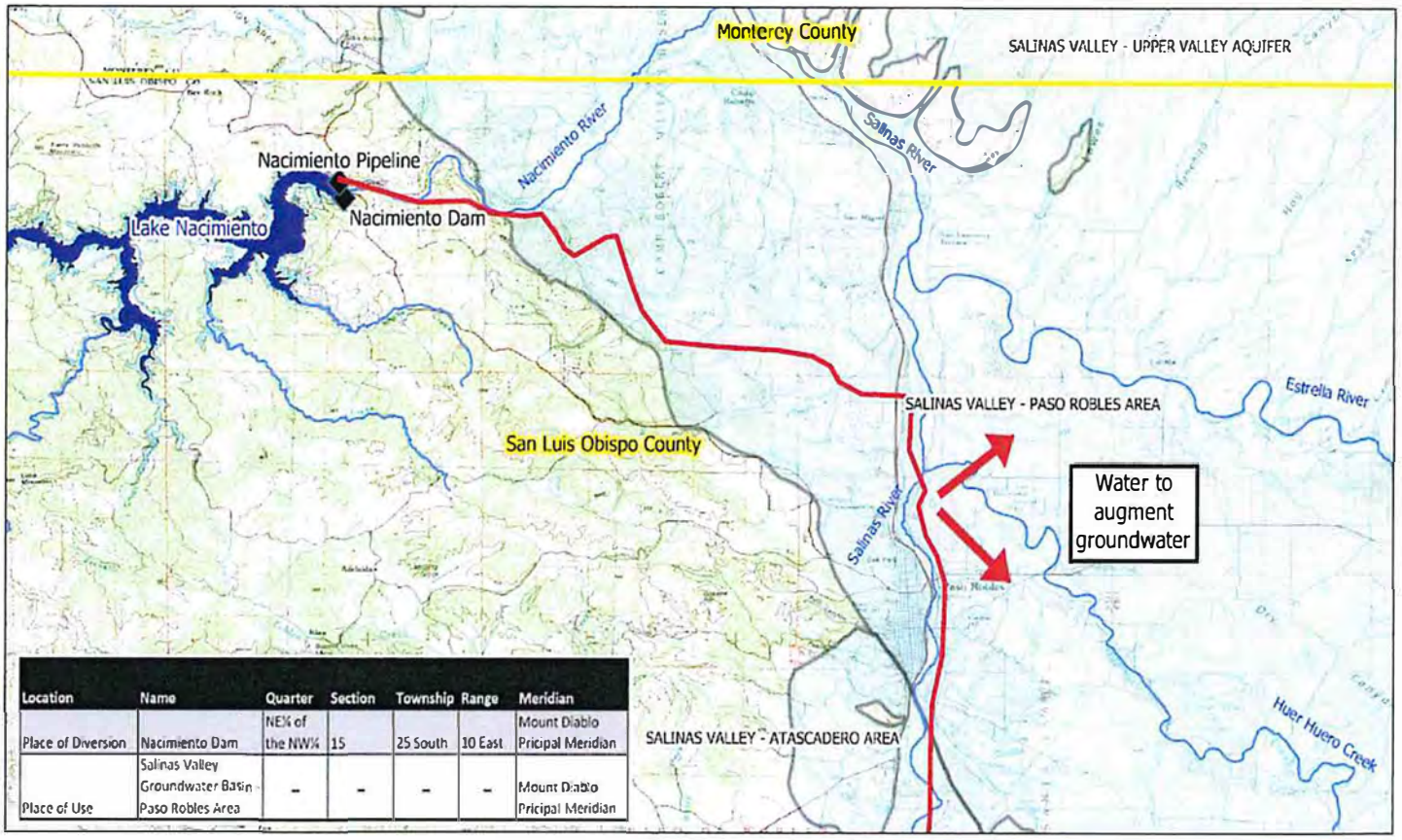
The apparent overlap between portions of the Season of Collection (Item 2) and the Season of Use (Item 9) is the result of the fact that between those two Seasons is the necessary conveyance of the stored water through the Pipeline and delivery to the Subbasin by direct recharge in the recharge facilities. Consequently, by way of illustration only, water stored in the Lake during Season of Collection "A" could conceivably be used during the Season of Use "A", and Season of Use "A" could coincide with Season of Collection "B".

Applicant might determine it will be necessary to construct conveyance and pumping facilities to transport water from the Pipeline turnout to the recharge facilities. The specifics of this portion of the project, including the size of any conveyance facilities and the capacity of any pumping facilities, is not yet known. Applicant will provide this information as this project proceeds through its planning phase and as such information becomes available.

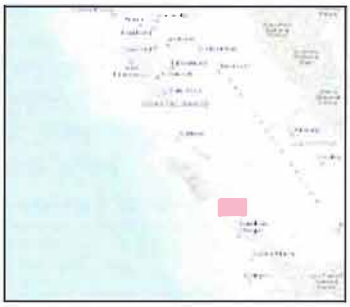
Attachment No. 3 [for Item 5]

POD Map

Map 1: Points of Diversion from Lake Nacimiento



Location	Name	Quarter	Section	Township	Range	Meridian
Place of Diversion	Nacimiento Dam	NE¼ of the NW¼	15	25 South	10 East	Mount Diablo Principal Meridian
Place of Use	Salinas Valley Groundwater Basin - Paso Robles Area	-	-	-	-	Mount Diablo Principal Meridian



0 2.5 5 mi

Legend

- Nacimiento Water Project Pipeline
- Points of Diversion/ Rediversion
- CA Counties
- Streams
- Groundwater Basins

Basemap Source: USGS, Esri

I, Michael J. Preszler, of 169 Parkshore Drive, Suite 110, Folsom, California do hereby certify that this map was prepared by me on Jan 12, 2021 and that it correctly represents the project described in the accompanying application and shows the location of the rivers and streams in the immediate vicinity.

Michael J. Preszler, California Civil Engineer Certificate No. C55133 exp 6/30/22

Attachment No. 4 [for Item 6]

The Monterey County Water Resources Agency (MCWRA) owns and operates Lake Nacimiento located in San Luis Obispo County. The reservoir is operated to provide downstream groundwater recharge, irrigation diversions, and flood protection. The reservoir has a capacity of 377,900 AF and is located on the Nacimiento River, a tributary to the Salinas River. The Nacimiento River at Lake Nacimiento is not deemed fully appropriated seasonally or year-around. However, Dip Creek, a small tributary that flows directly into Lake Nacimiento, is deemed fully appropriated and water from Dip Creek is not the subject of this Application.

A portion of the inflow to Lake Nacimiento is captured and stored (up to 377,900 acre-feet per year under License No. 7543 and Permit No. 21089) for Municipal, Domestic, Industrial, Irrigation, and Recreational uses with a maximum withdrawal from the Lake of 180,000 AF each year. This Application requests the appropriation of additional available Nacimiento River water to be diverted to storage and by direct diversion at Lake Nacimiento, both to be taken and conveyed via the Nacimiento Water Project pipeline to the Paso Subbasin. Rights sought under this Application include both storage and direct diversion rights.

Diversion to Storage: A portion of water that runs off into Lake Nacimiento passes through the lake and does not fall under the MCWRA water right License, as demonstrated by MCWRA's water rights reporting. As this water released from Lake Nacimiento is not previously stored, it does not fall under MCWRA's storage right. MCWRA does not possess a direct diversion water right at Lake Nacimiento. This Application seeks to divert this water to storage in Lake Nacimiento, and then convey it through the Nacimiento Water Project Pipeline to the Paso Robles Subbasin.

Direct Diversion: The direct diversion right sought under this Application will allow diversion of water that would otherwise spill from Lake Nacimiento to be directly diverted into the Nacimiento Water Project Pipeline. When flood releases are being made from Lake Nacimiento, water will simultaneously be directly diverted through the Nacimiento Water Project Pipeline. This will occur during high flow events where flood releases are made from Lake Nacimiento to avoid spill or when the reservoir is spilling. This unappropriated water is currently released (spilled) down the Nacimiento River in high volumes, during high flow events during periods of strong precipitation. This operation will occur during the winter time when maximum Nacimiento Water Project Pipeline capacity is more likely to be available.

Water Availability Evaluation Approach

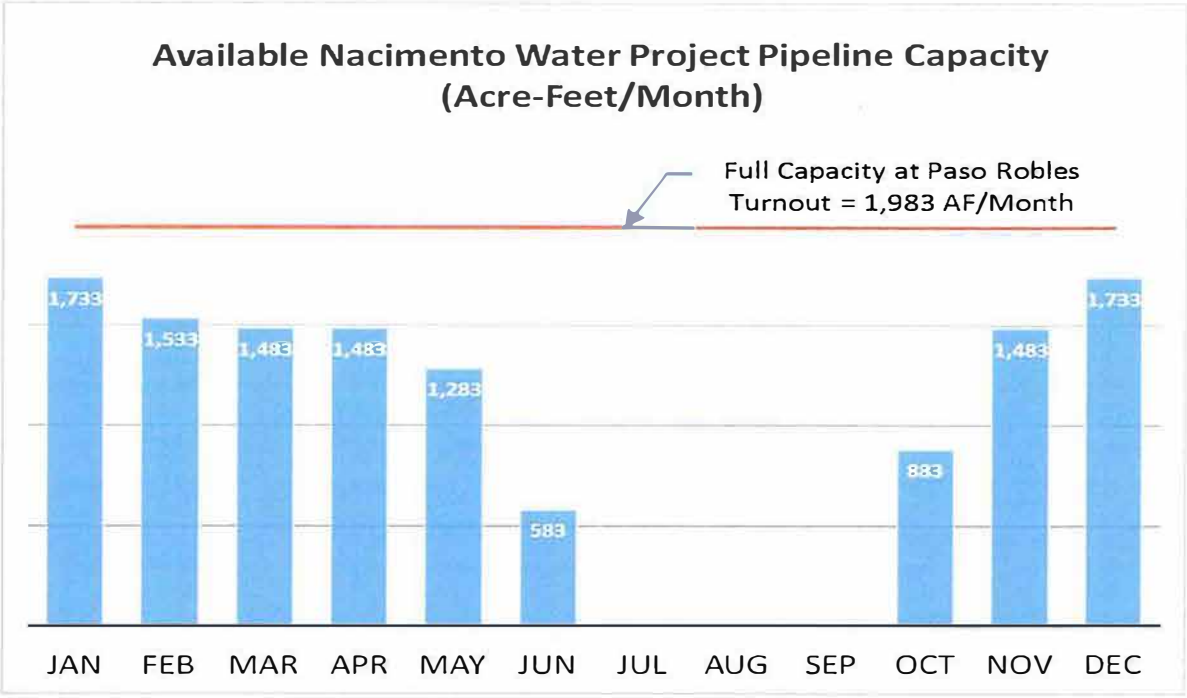
An analysis was carried out to identify and quantify the potential amount of water that could be available for appropriation under this Application. In order to accomplish this task, detailed review of the operation of Lake Nacimiento from 1994 through 2019 was conducted using computer modeling and review of historical data and information.

The general approach to the evaluation was as follows:

- ✓ Review detailed Lake Nacimiento operational strategies and information for the period 1994-2019.
- ✓ Quantify amount of water that passes through Lake Nacimiento that does not fall under MCWRA water right License to quantify the amount of storage available for appropriation under this Application.

- ✓ Determine times and amounts of water that can be diverted from Lake Nacimiento (via the Nacimiento Water Project Pipeline) in high flow events when releases are being made from the reservoir during spill events or in anticipation of spill.

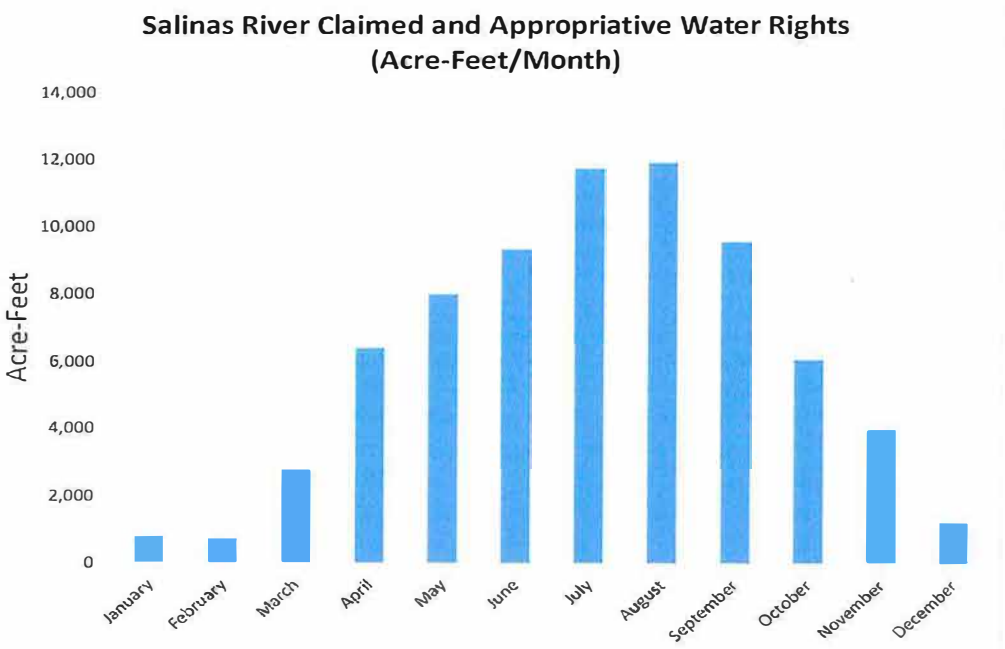
- ✓ Determine unused capacity in the Nacimiento Water Project Pipeline available to convey water sought under this Application. Available capacity is estimated as that available in the Pipeline when the Pipeline is running at full contract amount. The figure below shows the estimated available Nacimiento Water Project Pipeline capacity at full contract amount.



Available Nacimiento Water Project Pipeline Capacity

Water Availability Analysis

Downstream senior water right holders were inventoried and summarized. There are about 270 claimed riparian and Pre-1914 right holders and about 13 Appropriative water right holders included on the SWRCB Electronic Water Rights Information Management System database. Water right reports were reviewed and summarized to obtain an estimate of downstream water right claims and appropriations. The figure below shows a summary of the amount of water from the Salina River under claimed and appropriative water rights.



Summary of Water Right Claims and Appropriations on the Salinas River

Preliminary findings outlined here confirm that water is available for appropriation. A detailed evaluation to affirm that no injury to senior water right holders will occur will be included in full Water Availability Analysis to be developed in support of this Application.

Storage Right:
An estimate of the quantity of water that is released from Lake Nacimiento that does not fall under MCWRA rights was determined for the period 1994 through 2019. If the inflow to Lake Nacimiento is greater than the lake outlet, then the outlet is considered passed through the reservoir and not storage under MCWRA rights. If the reservoir outlet is greater than the inflow, then the amount of release in excess of the value of inflow is considered to be a rediversion from storage and not available for appropriation (i.e., falls under MCWRA rights). This calculation was carried out on a daily basis for the study period 1994 through 2019 to estimate the quantity of water that is available for appropriation at Lake Nacimiento.

There are times when water is passing through Lake Nacimiento, and not under MCWRA's rights, during relatively low flow conditions especially during the months of June through November where downstream senior water right holders could be competing for water. To account for this condition, the evaluation assumes that water would be available from December 1 through May 31 of each year.

Estimated storage water available from Lake Nacimiento for the study period of 1994 through 2019 is shown in the table below. The annual amount of water available under the requested storage right ranges from 0 in 2014 (critically dry year) to 49,000 in 2017 (a wet year) with an average of 23,500 AF.

Amount of Unappropriated Storage Available from Lake Nacimiento

Water Year	Supplemental Water Available (AF)
1994	12,983
1995	26,380
1996	30,613
1997	23,096
1998	34,834
1999	44,556
2000	27,416
2001	25,426
2002	22,817
2003	45,273
2004	16,833
2005	29,645
2006	27,773
2007	11,590
2008	15,339
2009	10,801
2010	26,821
2011	29,188
2012	28,704
2013	13,568
2014	0
2015	6,225
2016	14,048
2017	49,002
2018	13,578
2019	25,489
Average	**23,538**

The available annual capacity of the Nacimiento Water Project Pipeline is about 12,000 AF. Therefore, even though water availability is greater, this Application for storage is limited to 12,000 AF per year.

Direct Diversion Right:
When considering the availability of water under high flow events, spill tends to occur during January through April from Lake Nacimiento. This tends not to be the time when downstream users are taking significant water, thereby minimizing the potential for a new appropriation to cause injury to a downstream user. Additionally, during reservoir spill conditions when direct diversion would be available, high flows along the Salinas River would likely meet demands of all downstream senior water right holders as demands would be minimized and supply would be enhanced.

A daily time-step operational simulation model was developed to identify and calculate the volume of water that could be diverted through the Nacimiento Water Project pipeline during times of spill and releases in anticipation of spill from Lake Nacimiento. In typical operation,

flood releases are initiated about 10 days prior to anticipated spill. For this analysis, water taken through the Nacimiento Water Project pipeline begins 10 days prior to modeled spill. During water years 1994 through 2019, Lake Nacimiento spilled during 8 of 26 years, or 31% of the years (see table below). Annual unappropriated water available under direction diversion during spill years ranges from 0 in many years to 4,300 AF in year 1998. The average available supplemental direct diversion water from Lake Nacimiento is 555 AF.

Water Year	Total Spill (AF)	Supplemental Water Available (AF)
1994	0	0
1995	48,884	1,486
1996	19,773	1,285
1997	133,101	2,052
1998	233,223	4,331
1999	0	0
2000	0	0
2001	0	0
2002	0	0
2003	0	0
2004	0	0
2005	7,155	942
2006	15,856	1,231
2007	0	0
2008	0	0
2009	0	0
2010	0	0
2011	14,278	1,016
2012	0	0
2013	0	0
2014	0	0
2015	0	0
2016	0	0
2017	56,073	2,092
2018	0	0
2019	0	0
Average	**20,321**	**555**

Direct Diversion Water Available from Lake Nacimiento to the Nacimiento Water Project Pipeline

Other than the single year, 1998, water available is about 2,000 AF annually or less. The direct diversion sought under this Application is 2,000 AF.

Water Available Summary

An estimate of the amount of water available for appropriation from Lake Nacimiento was evaluated. A summary of the estimated average annual water available is shown in the table below.

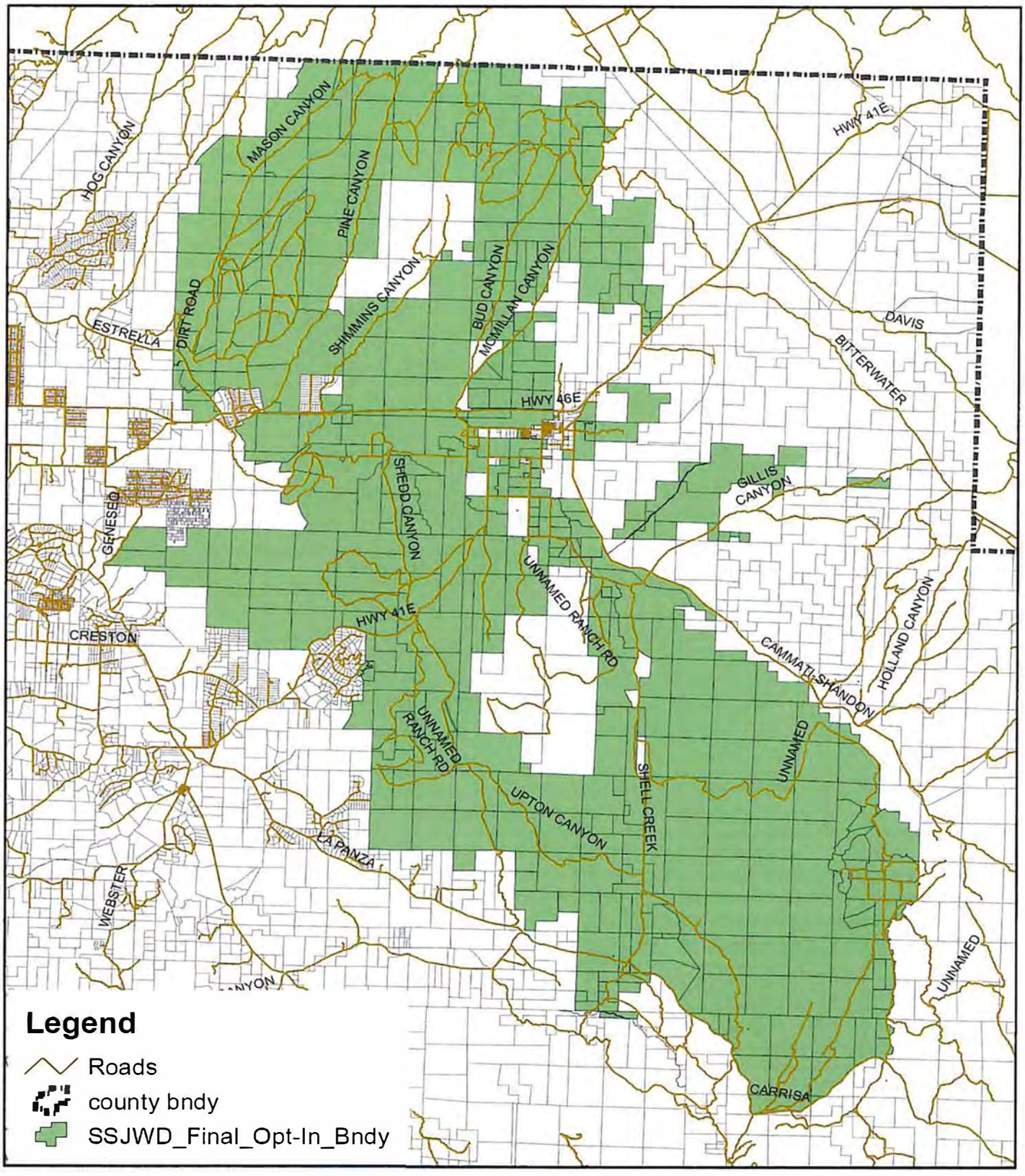
Source	Storage / Direct Diversion	Estimate of Water Availability (AF/Year)
Lake Nacimiento	Storage	23,500
	Direct Diversion	555

Estimated Water Available from Lake Nacimiento

Attachment No. 5 [For Item 7]

POU MAP

Shandon-San Juan Water District



Attachment No. 6 [For Item 9]

Subbasin	CropDesig	Acres	Crop Duty	AF/Year	Method
San Juan	Alfalfa	465	4.5	2,094	Sprinkler
	Citrus	8	2.3	18	Drip
	Pasture	562	4.8	2,698	Sprinkler
	Vegetables	717	2.5	1,793	Sprinkler
	Winegrapes	3,597	1.5	5,396	Drip
San Juan Total		5,350	2.24	11,999	
Shandon	Alfalfa	139	4.5	628	Sprinkler
	Citrus	19	2.3	43	Drip
	Deciduous	2	3.5	6	Drip
	Nursery	44	2.5	110	Drip
	Pasture	144	4.8	690	Sprinkler
	Table Grapes	1,114	3.5	3,898	Drip
	Vegetables	796	2.5	1,991	Sprinkler
	Winegrapes	5,011	1.5	7,517	Drip
Shandon Total		7,269	1.96	14,255	
Shandon-San Juan Total		12,619	2.08	26,254	

Crop	Applied Water	Crop Detail
Alfalfa	4.5	Alfalfa
CBD Hemp	1.5	Field grown CBD Hemp
Citrus	2.3	Avocados, grapefruits, lemons, oranges, olives, kiwis, pomegranates (non-deciduous)
Deciduous	3.5	Apple, apricot, berry, peach, nectarin, plum, fig, pistachio, persimmon, pear, quince
Nursery	2.5	Christmas trees, misc. nursery plants, flowers
Pasture	4.8	Misc. grasses, mixed pastures, sod/turf, sudangrass
Strawberries	2.3	Strawberries
Table Grapes	3.5	Table Grapes
Vegetables	2.5	Artichokes, beans, misc. vegetables, mushrooms, onions, peas, peppers, tomatoes
Winegrapes	1.5	Winegrapes

Attachment No. 7 [For Item 10]

[UNDERGROUND STORAGE SUPPLEMENT FOLLOWS THIS PAGE]

State Water Resources Control Board

Division of Water Rights

1001 I Street • Sacramento, California 95814• (916) 341-5300
Mailing Address: P.O. Box 2000 • Sacramento, California • 95812-2000
FAX (916) 341-5400 • http://www.waterboards.ca.gov/waterrights

Linda S. Adams
Acting Secretary for Environmental Protection

Edmund G. Brown Jr.
Governor

APPLICATION NO. _____
(Leave blank)

UNDERGROUND STORAGE SUPPLEMENT TO APPLICATION TO APPROPRIATE WATER BY PERMIT

1. State amount of water to be diverted to underground storage from each point of diversion in item 3b of form APP.

a. Maximum Rate of diversions (1)see attached (2)_____ (3)_____cfs
b. Maximum Annual Amount (1) 14,000 (2)_____(3)_____acre-feet

2. Describe any works used to divert to offstream spreading grounds or injection wells not identified in item 7 of form APP.

The diversion from Lake Nacimiento to the Applicant's groundwater recharge facilities and, if necessary, related conveyance and pumping facilities (the "Facilities") will be by way of the Nacimiento Water Project Pipeline (the "Pipeline"). The Applicant does not intend to use injection wells in connection with this project.

3. Describe spreading grounds and identify its location and number of acres or location of upstream and downstream limits if onstream.

The Facilities will be situated at or near the Pipeline turnout in Huer Huero watershed. Applicant has not yet designed its Facilities; however, studies of the area have been conducted that confirm its suitability for groundwater recharge. See attached.

4. State depth of groundwater table in spreading grounds or immediate vicinity:
___ feet below ground surface on_____ measured at a point located within the__¼ of_____¼ of Section___, T___, R_____,____B&M **(see attached)**

5. Give any historic maximum and or minimum depths to the groundwater table in the area.

Location__#1__Maximum____feet below ground surface on_____ (date) **(see attached)**
Location__#2__Maximum____feet below ground surface on_____(date) **(see attached)**

6. Describe proposed spreading operation.
See attached

7. Describe location, capacity and features of proposed pretreatment facilities and/or injected wells.

Due to the quality of the water, its intended use for irrigation, and the nature of project, Applicant does not have plans or intentions to use pretreatment facilities or injection wells.

8. Reference any available engineering reports, studies, or data on the aquifer involved.

The Paso Robles Subbasin Groundwater Sustainability Plan; Paso Robles Subbasin First Annual Report (2017-2019); Paso Robles Basin Stormwater Capture and Recharge Feasibility Study (Applicant and Estrella-El Pomar-Creston Water District); The Paso Robles Basin Recharge Siting Feasibility Study for the Huer Huero Creek (SLO County Flood Control and Water Conservation District); Department of Water Resources Bulletin 118.

9. Describe underground reservoir and attach a map or sketch of its location.

The underground reservoir is described in the sources referenced in Item 8 above. Also, see attached map.

10. State estimated storage capacity of underground reservoir.

See attached excerpt from DWR's Bulletin 118. There is ample storage capacity to accommodate the amount of water that is the subject of this application.

11. Describe existing use of the underground storage reservoir and any proposed change in its use.

The Subbasin is heavily relied upon by municipalities for domestic and M&I use, and by agricultural users for irrigation. Because of the lack of imported water projects, in most instances groundwater is the sole source of water supplies for water users in the Subbasin. Applicant is seeking to alleviate the strain on the Subbasin, which is critically overdrafted.

12. Describe the proposed method and location of measurement of water placed into and withdrawn from underground storage.

Applicant intends to use existing gages associated with the Pipeline to determine the amount of water delivered to the Facilities, and will calculate the rate of recharge to the Subbasin using proven technological methods. Applicant will use, and require its landowners and each of their designees to use, metering devices as a condition of recovery and use of water for irrigated agriculture that is the subject of this Application.

Additional copies of this form and water right information can be obtained at www.waterrights.ca.gov.

Underground Storage Supplement Responses to Select Items

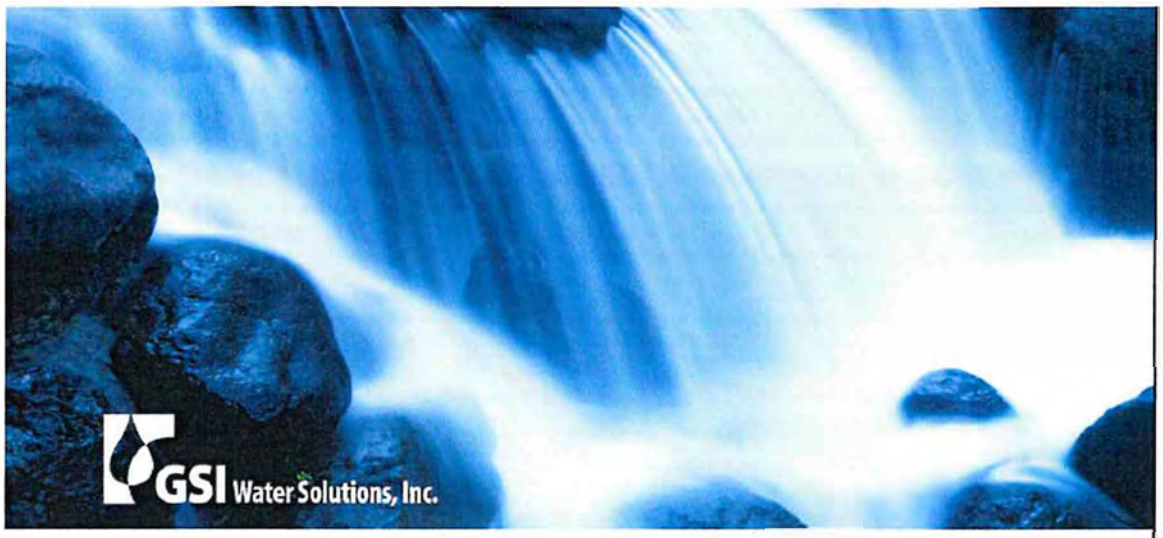
ITEM 1

1.a: The Applicant seeks to store 12,000 acre feet of available surplus water in Lake Nacimiento, and at the conclusion of the Lake's recreation season (generally mid-September), divert such water into the Nacimiento Water Project Pipeline for delivery to Applicant's recharge Facilities to be located in the Paso Robles Area Subbasin. The Applicant also seeks to divert a separate, additional 2,000 acre feet of surplus water by direct diversion to the Facilities between January and April. The rate of diversion for the 12,000 acre feet is 32.8 cfs, and for the 2,000 acre feet is 32.8 cfs.

ITEM 3

The area that Applicant has identified for the location of its recharge Facilities is within the Huer Huero Creek watershed. GSI Water Solutions, Inc., conducted a study (see excerpts below) for the Applicant and the Estrella-El Pomar-Creston Water District of the viability of Huer Huero as a location for recharge activity. Among the study's conclusions is the following:

> *The areas along the more upstream locations of Huer Huero Creek have the best physical recharge properties in the Paso Robles Subbasin but with limited stormwater flows, since most of the existing surface water percolates into permeable soils connected to the underlying Alluvial Aquifer. It is therefore better suited for recharge of imported water.*



FINAL

Shandon-San Juan Water District and
Estrella-El Pomar-Creston Water District

Paso Robles Subbasin Stormwater Capture and Recharge Feasibility Study

December 30, 2020

Prepared by:
GSI Water Solutions, Inc.
5855 Capistrano Avenue, Suite C, Atascadero, CA 93422

a larger portion of the basin because it is located upgradient of the areas that are affected by chronic lowering of groundwater levels and because more water would move into the Paso Robles Formation.

Target Area 5. Target Area 5, in the upstream reaches of the Huer Huero Creek, has the best physical conditions to recharge stormwater. Because of this recharge potential, the natural flows occurring in Huer Huero Creek are already being recharged, leaving negligible additional naturally available stormwater. Although Target Area 5 is ideal for artificial recharge, the water source must be imported due to lack of natural flows. Target Area 5 has on average, for water year 2001 through 2016, an estimated surface water flow of 1,030 AFY, diversion potential of 60 AFY, streambed percolation of 1,220 AFY, and a depth to water of 70 ft bgs in 2005 (wet conditions) and 90 ft bgs in 2014 (dry conditions) (see Figures 9 and 16). The target area consists of NRCS Hydrologic Soil Group A with an estimated recharge rate 2.41 inches per hour (see Table 4) or 4.8 acre-ft/day per acre. The estimated annual potential diversions from 2001 through 2016 are shown in Figure 17, where most of the divertible flow is available during very wet years and no divertible flows are available in dry years. The HSPF modeled annual average diversion potential are 0 AFY, 630 AFY, and 0 AFY for average (2001), wet (2005), and dry (2014) hydrologic years, respectively. Inside Target Area 5 there is one active confidential private well and one active non-confidential public well. Recharge in this part of the basin would benefit a larger portion of the basin because it is located upgradient of the areas that are affected by chronic lowering of groundwater levels and because more water would move into the Paso Robles Formation. However, there is an insufficient quantity of natural stormwater flow. This area would be ideal for recharge if an imported source of water were available.

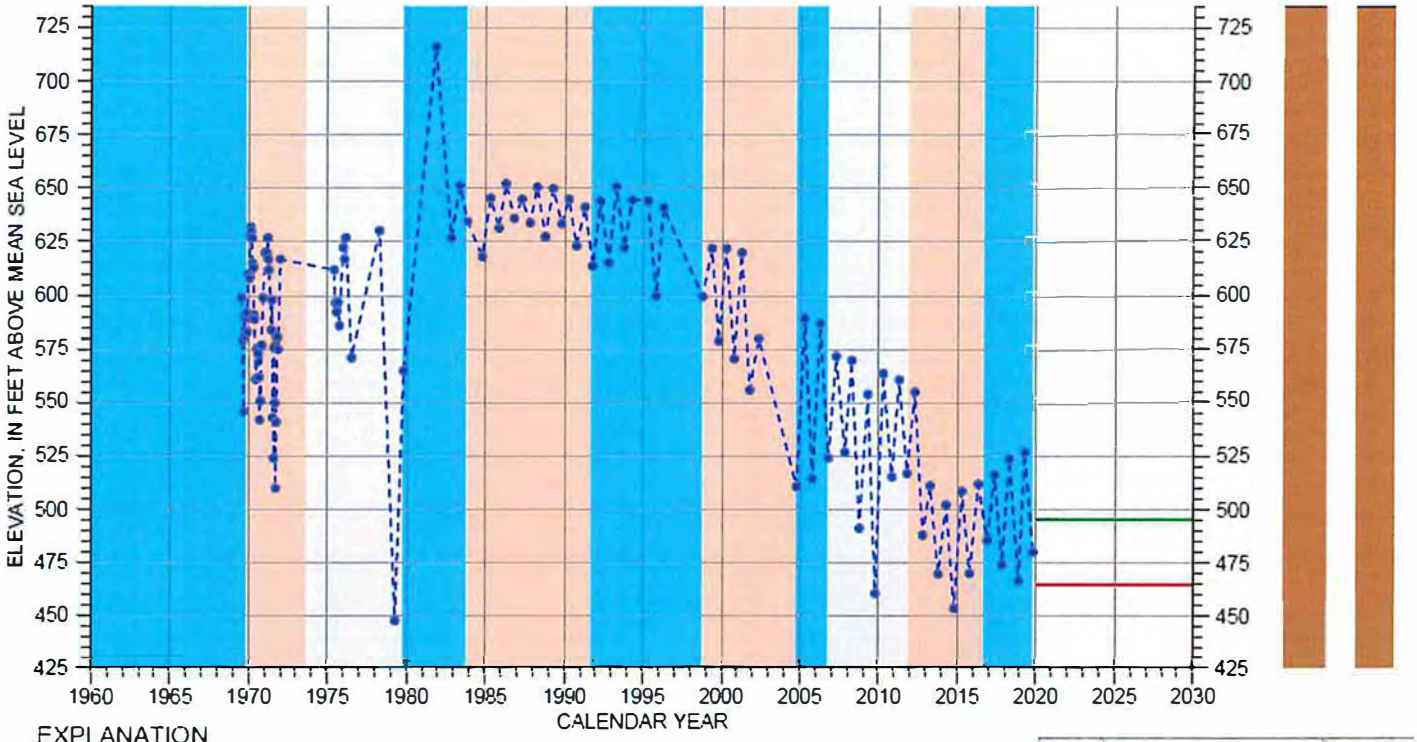
Conclusions

Based on comparative distribution modeling to determine the optimum recharge locations, considering land use, and quantifying the available stormwater in the Paso Robles Subbasin using the GSP model, the following conclusions can be drawn:

- The comparative distribution modeling of topographic slope, soil, and aquifer hydraulic conductivities, in general, delineates that the optimum recharge areas are located near river and creek drainages and toward the higher elevations in the eastern part of the basin, due to greater aquifer hydraulic conductivity.
- Based on the calibrated surface/groundwater GSP model results, capturable stormwater volumes increase in the downstream direction of the San Juan Creek and Estrella River, as the contributing watershed areas become larger. However, stormwater recharge at downgradient locations offer the least benefit to the rest of the basin.
- The areas along the more upstream locations of Huer Huero Creek have the best physical recharge properties in the Paso Robles Subbasin but with limited stormwater flows, since most of the existing surface water percolates into permeable soils connected to the underlying Alluvial Aquifer. It is therefore better suited for recharge of imported water.
- All of the five selected recharge target areas have soils classified as NRCS Hydrologic Soil Group A. NRCS A- soils are the most conducive soils for recharge with an estimated approximate infiltration rate of 2.41 inches/hour or 4.8 acre-ft/day per acre.
- Target Area 1 and 2 have the most available stormwater but lesser physical capacity to percolate water compared to the other target areas.
- Target Areas 3 and 4 have lesser available stormwater but have greater physical capacity to percolate water compared to Areas 1 and 2. The inverse is true compared to Target Area 5.

ITEM 4

The following information is from Appendix E of the *Paso Robles Subbasin First Annual Report (2017-2019)* for the Paso Basin GSP, and is derived from reports of a well located in the vicinity of the planned Facilities.



Well Depth: 740 feet
Screened Interval: unknown
Reference Point Elevation: 789.3 feet above mean sea level

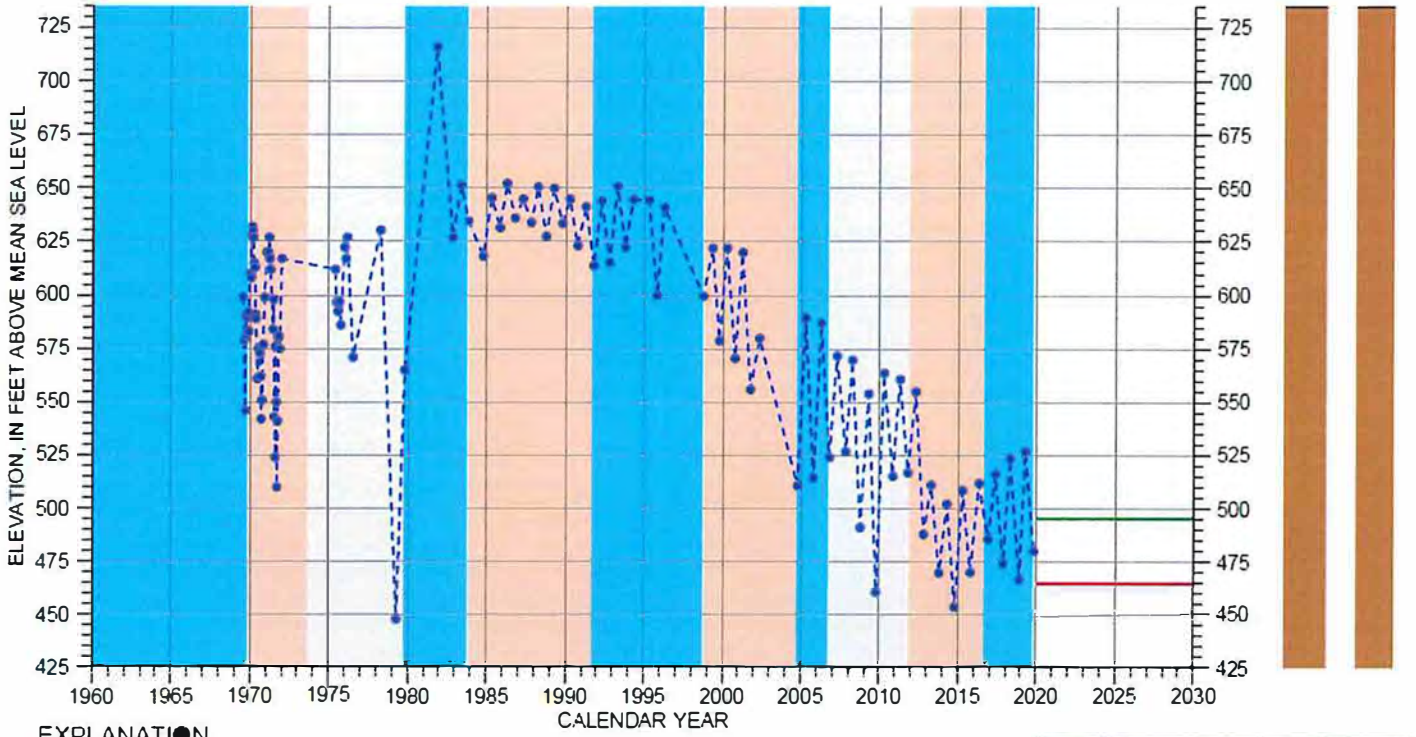
* Measurement reported as not static

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 26S/12E-14G01

P:\Portland\824-Paso Robles\001-GSP Annual Report\Analysis\Hydrographs\Grapher\Annual Rpt\Hydr_26S_12E-14G01.grf

ITEM 5
[Location #1]

The following information is from Appendix E of the *Paso Robles Subbasin First Annual Report (2017-2019)* for the Paso Basin GSP. The is the same attachment as the one used for Item 4, and represents groundwater elevations in the vicinity of the planned Facilities.



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 26S/12E-14G01

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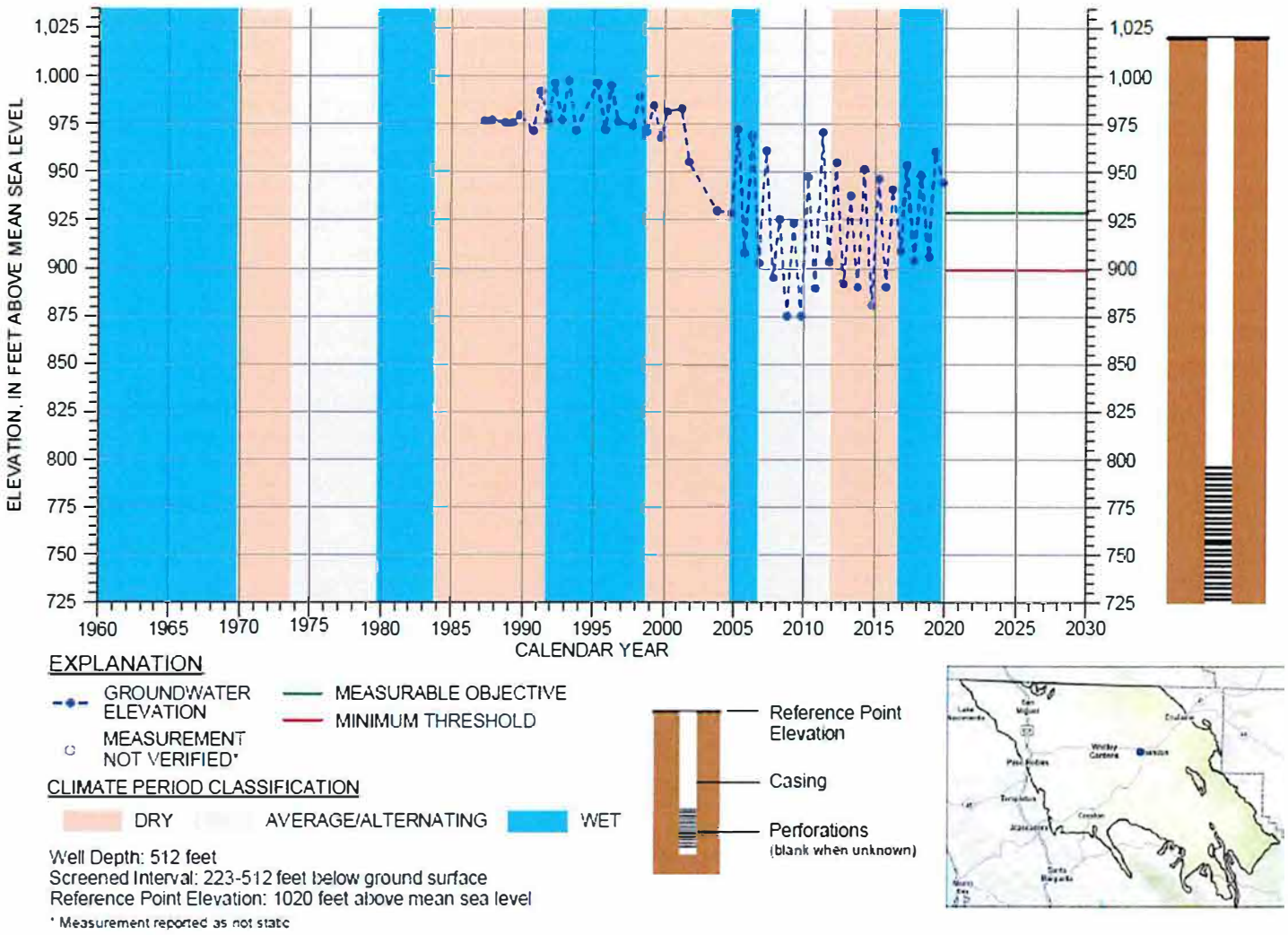
ITEM 5
[Location #2]

The following information is from Appendix E of the *Paso Robles Subbasin First Annual Report (2017-2019)* for the Paso Basin GSP. It is derived from reports of a well located within the boundaries of the Shandon-San Juan Water District and is representative of groundwater elevations in a portion of the Place of Use identified in this application.



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 26S/15E-19E01

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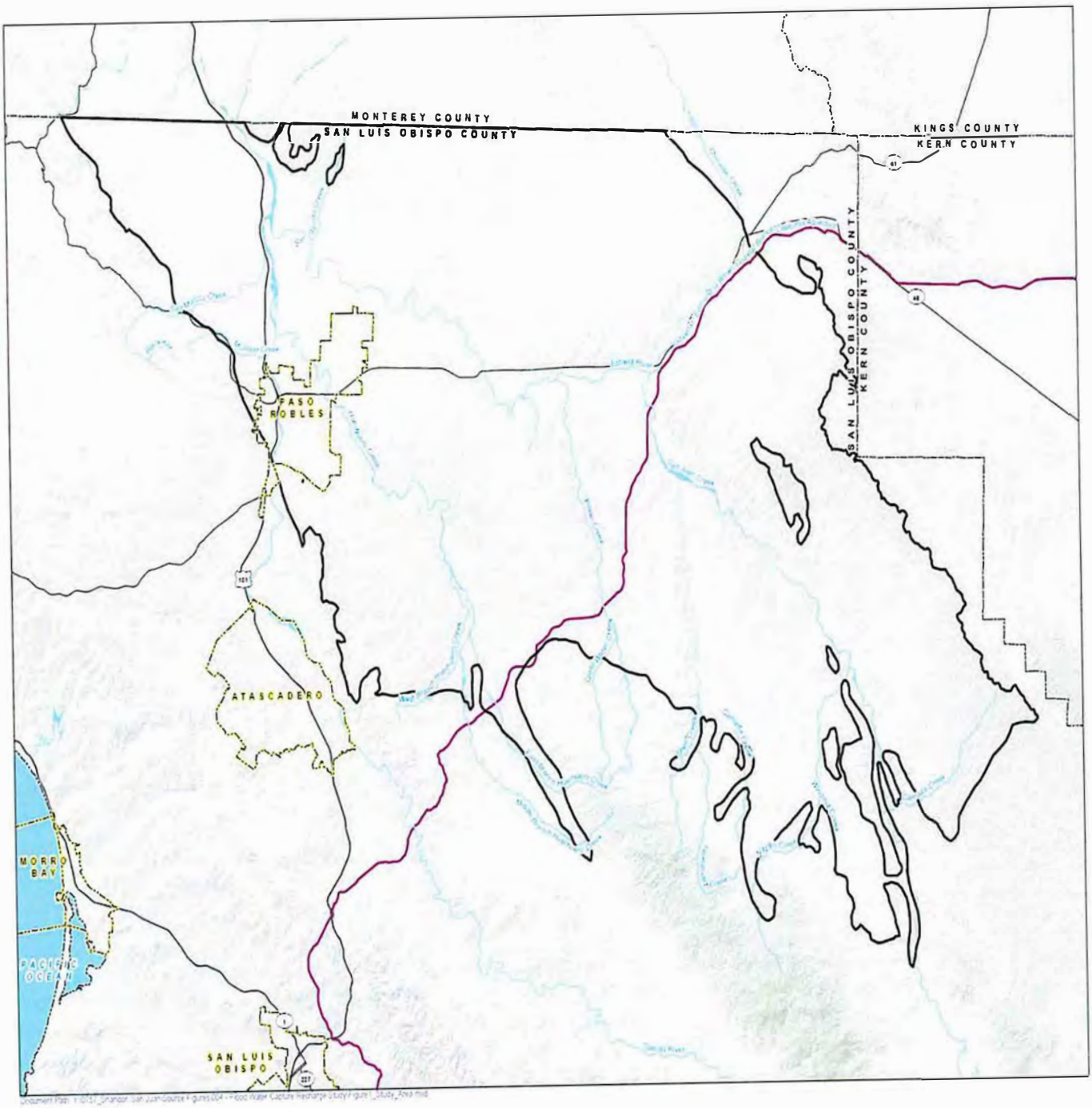
Item 6

6. Applicant would deliver water stored in Lake Nacimiento to the Facility through the Pipeline, where Applicant would augment the Subbasin through direct recharge by percolation in the Facilities. Applicant, its landowners, or their designees, would later recover and use the recharged water within Applicant's boundaries on land overlying the Subbasin. Applicant intends to develop rules, regulations and policies for allocation and use of the imported water that is the subject of this application. Such policies would include (i) provisions for leave-behind to ensure that this project would not contribute to overdraft in the Subbasin, and (ii) provisions requiring the metering of recovery wells to monitor use of the water for irrigated agriculture.

Item 9
(Basin Map)



Item 10

Groundwater Storage

Groundwater Storage Capacity. DWR (1958) estimated the storage capacity to be 3,000,000 af in the zone 100-feet below 1958 static levels. DWR (1975) estimated the total storage capacity at 6,800,000 af. A study by Fugro West (2001a) estimates the total capacity at more than 30,400,000 af. DWR (1975) estimated the usable capacity at 1,700,000 af.

Attachment No. 8 [For Item 12]

Applicant intends to transport water through the Pipeline to its recharge facility, where water will be delivered to the Subbasin by direct recharge. The recharged water will be subsequently extracted and put to beneficial use within District boundaries.

Applicant will need to acquire fee title interest to, or easement rights on, the lands situated at the turnout for the Pipeline where Applicant expects to construct its recharge facility and, if necessary, related conveyance and pumping facilities, together with necessary access rights. Applicant would prefer to acquire these property interests through conventional purchases, but is prepared to exercise its condemnation rights under its enabling statute and California's Eminent Domain Law if necessary. In the case of property owned by another public agency or otherwise dedicated to a public use, Applicant will endeavor to negotiate common use agreements to accommodate the proposed recharge facilities and, if necessary, related conveyance and pumping facilities.

Attachment No. 9 [For Item 21]

Photo along Nacimiento River immediately downstream from the proposed point of diversion, dated September 7, 2018.

Photo along Nacimiento River immediately upstream from the proposed point of diversion, dated September 7, 2018.

Photo of Lake Nacimiento, proposed diversion location, dated September 7, 2018.

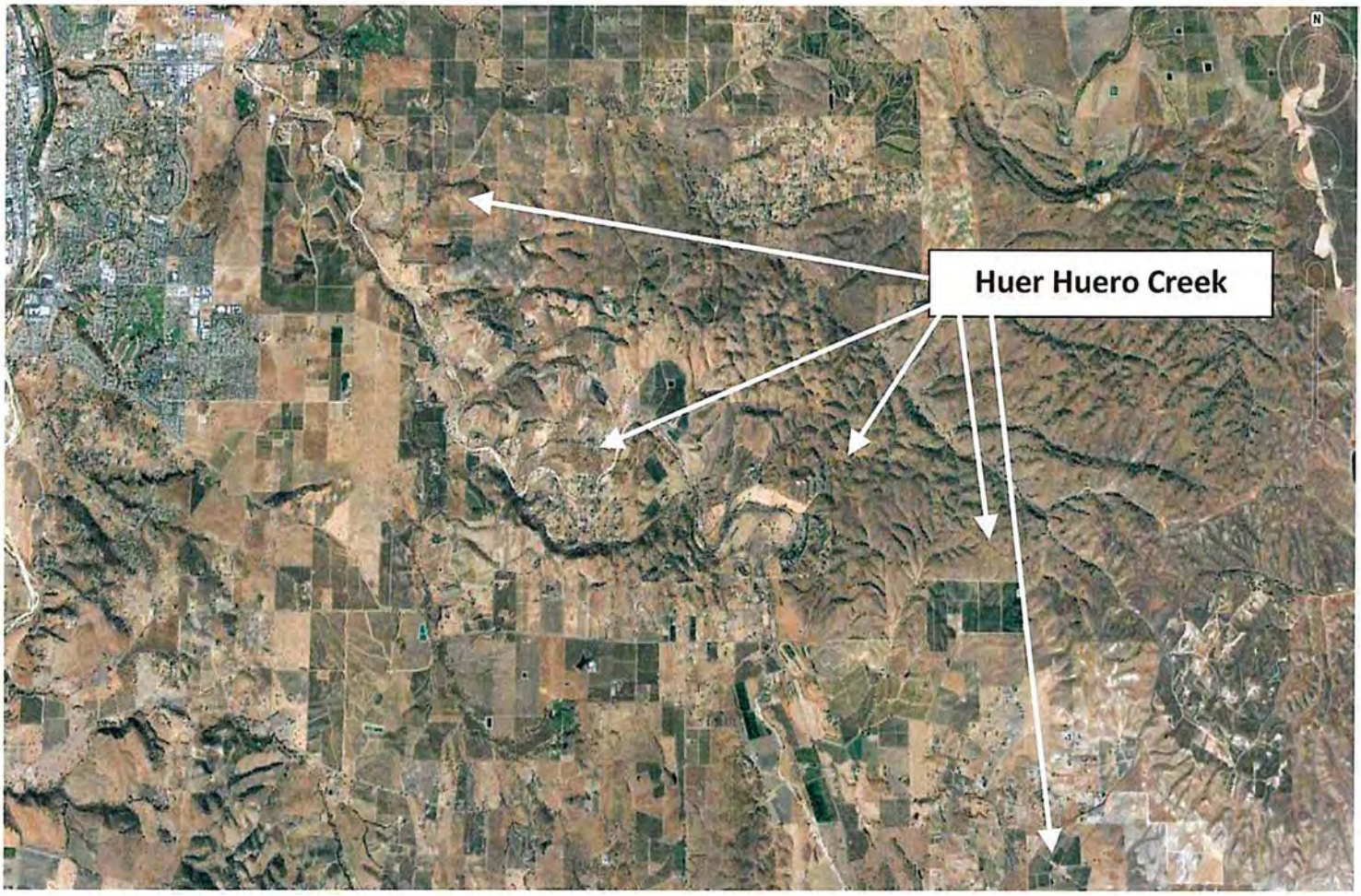


Photo along Huer Huero Creek, dated September 7, 2018.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Attachment No. 9 [For Item 21]

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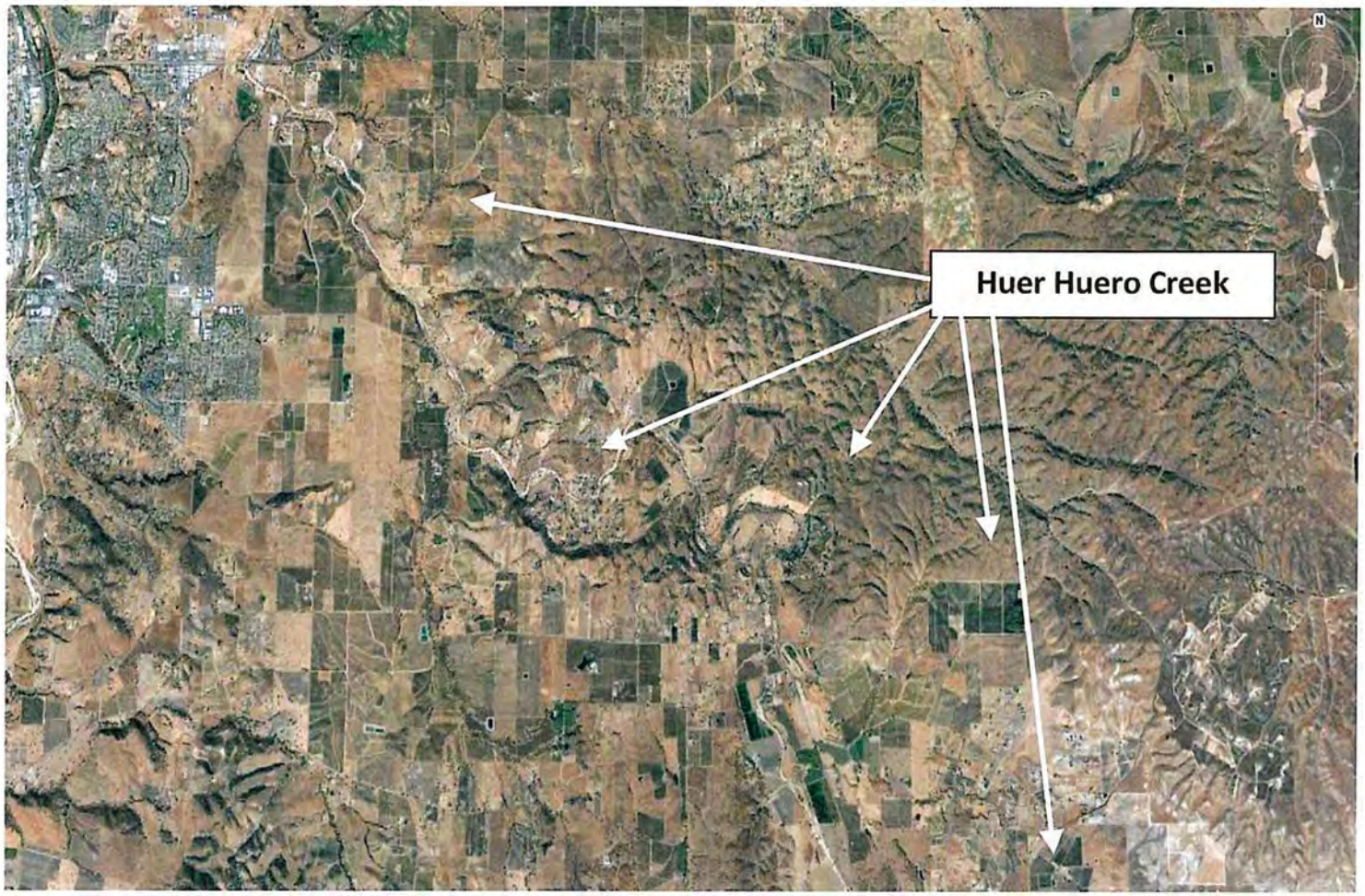


Photo along Huer Huero Creek, dated September 7, 2018.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

TYPE OR PRINT
IN BLACK INK
(For instructions, see booklet: "How to File an Application to Appropriate Water in California")

APPLICATION NO._____

California Environmental Protection Agency

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000, Sacramento, CA 95812-2000
Tel: (916) 341-5300 Fax: (916) 341-5400
www.waterboards.ca.gov/waterrights

APPLICATION TO APPROPRIATE WATER

1. APPLICANT/AGENT

	APPLICANT	ASSIGNED AGENT (if any)
Name	Shandon-San Juan Water District	Michael Preszler
Mailing Address	P.O. Box 150	169 Parkshore Drive, Suite 110
City, State & Zip	Shandon, CA 93461	Folsom, CA 95630
Telephone	(805) 451-0841	(916) 542-7895
Fax		
E-mail	wcunha@ssjwd.org	michael@zanjero-water.com

2. OWNERSHIP INFORMATION (Please check type of ownership.)

_ Sole Owner
_ Limited Liability Company (LLC)
_ General Partnership*
_ Limited Partnership*
_ Business Trust
_ Husband/Wife Co-Ownership
_ Corporation
_ Joint Venture
x Other California Water District

*Please identify the names, addresses and phone numbers of all partners.

3. PROJECT DESCRIPTION (Provide a detailed description of your project, including, but not limited to, type of construction activity, area to be graded or excavated, and how the water will be used.) Add additional pages if needed and check box below and label as an attachment.

This project is being undertaken by the Shandon-San Juan Water District. The purpose of the project is to augment groundwater supplies in the Paso Robles Area Subbasin (the "Subbasin") by transporting unappropriated water to the Subbasin that would normally pass through Santa Margarita Lake (the "Lake") during high flow events. The point of diversion would be situated in the Lake and the conveyance facility is likely to be a pipeline or canal (the "Conveyance") that Applicant plans to construct, own, operate and maintain. The water would be delivered to Groundwater recharge facilities (the "Facilities") situated within the Subbasin that Applicant will construct, own and operate. The water would be later recovered for agricultural use in the District by Applicant, its landowners and their designees. The need for the Facilities and the Conveyance is dependent on Applicant acquiring supplemental surface water supplies, and Such facilities have therefore not yet been designed or constructed.

x *For continuation, see Attachment No.* 1

4. PURPOSE OF USE, DIVERSION/STORAGE AMOUNT AND SEASON

a. PURPOSE OF USE (irrigation, domestic, etc.)	DIRECT DIVERSION				STORAGE		
	AMOUNT		SEASON OF DIVERSION		AMOUNT	SEASON OF COLLECTION	
	Rate (cfs or gpd)*	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)	Acre-feet per annum	Beginning date (month & day)	Ending date (month & day)
Agricultural Irrigation	98 cfs	14,000	Dec 1	July 1			
	Total afa	14,000		Total afa			

_ *See Attachment No.* __ * If rate is less than 0.025 cubic feet per second (cfs), use gallons per day (gpd).

b. Total combined amount taken by direct diversion and storage during any one year will be 14,000 acre-feet.

c. Reservoir storage is: __ onstream _ offstream x underground (If underground storage, attach Underground Storage Form.)

d. County in which diversion is located: San Luis Obispo

e. County in which water will be used: San Luis Obispo

5. SOURCES AND POINTS OF DIVERSION/REDIVERSION

a. Sources and Points of Diversion (POD)/Points of Rediversion (PORD):

x POD / _ PORD # 1 Santa Margarita Lake, Salinas River tributary to _____ thence to the Pacific Ocean

_ POD / _ PORD # _____ tributary to _____ thence _____

_ POD / _ PORD # _____ tributary to _____ thence _____

_ POD / _ PORD # _____ tributary to _____ thence _____

If needed, attach additional pages, check box below and label attachment

x *See Attachment No.* 2

b. State Planar and Public Land Survey Coordinate Description:

POD/ PORD #	CALIFORNIA COORDINATES (NAD 83)	ZONE	POINT IS WITHIN (40-acre subdivision)	SECTION	TOWN-SHIP	RANGE	BASE AND MERIDIAN
1	North 2,318,335 feet East 5,815,085 feet	5	NW ¼ of NW ¼	8	30S	14E	MD
			¼ of ¼				
			¼ of ¼				
			¼ of ¼				

If needed, attach additional pages, check box below and label attachment

__ *See Attachment No.* _

c. Name of the post office most often used by those living near the proposed point(s) of diversion:
Santa Margarita Post Office

6. WATER AVAILABILITY

a. Have you attached a water availability analysis for this project? _ YES x NO
If NO, provide sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation: If needed, attach additional pages, check box below and label attachment.
Water availability analysis is under development. Findings of a preliminary investigation are attached.
x *See Attachment No. 3*

b. Is your project located on a stream system declared to be fully appropriated by the State Water Resources Control Board (State Water Board) during your proposed season of diversion?
_ YES x NO

c. In an average year, does the stream dry up at any point downstream of your project? x YES _ NO If YES, during which months? x Jan _ Feb _ Mar _ Apr _ May _ Jun _ Jul _ Aug _ Sep x Oct x Nov x Dec

d. What alternate sources of water are available if a portion of your requested diversion season must be excluded because water is not available for appropriation? (e.g., percolating groundwater, purchased water, etc.) If needed, attach additional pages, check box below and label attachment
Groundwater
_ *See Attachment No.* ____

7. PLACE OF USE

a. See attached maps

USE IS WITHIN (40-acre subdivision)	SECTION*	TOWNSHIP	RANGE	BASE & MERIDIAN	IF IRRIGATED	
					Acres	Presently cultivated?
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
¼ of ¼						_ YES _ NO
				Total Acres:		

Please indicate if section is projected with a "(P)" following the section number.

x *See Attachment No. 4* Please provide the Assessor's Parcel Number(s) for the place of use:
Place of use is the Shandon-San Juan Water District

8. PROJECT SCHEDULE

Project is: x proposed, _ partially complete or _ complete (Year completed -_____).

Extent of completion: Project is in its planning phase.

Estimated amount of time in years it will take for construction to be completed: Seven year from issuance of permit.

Estimated amount of time in years it will take for water to be put to full beneficial use: Seven years issuance of permit.

9. JUSTIFICATION OF AMOUNTS REQUESTED

a. x IRRIGATION: Maximum area to be irrigated in any one year: 26,254 acres.

CROP	ACRES	METHOD OF IRRIGATION (sprinklers, flooding, etc.)	WATER USE (Acre-feet/Yr.)	SEASON OF WATER USE	
				Beginning date (month & day)	Ending date (month & day)
See attachment		Drip and Sprinkler	14,000	March 1	Nov 30

x *See Attachment No. 5*

b. _ DOMESTIC: Number of residences to be served: _____ Separately owned?

_ YES _ NO Number of people to be served: _____ Estimated daily use per person is: _____ gallons per day Area of domestic lawns and gardens: _____ square feet
Incidental domestic uses:

_____
(dust control area, number and kind of domestic animals, etc.)

c. _ STOCKWATERING: Kind of stock: _____ Maximum number: _____
Describe type of operation: _____
(feedlot, dairy, range, etc.)

d. _ RECREATIONAL: Type of recreation: _ Fishing _ Swimming _ Boating _ Other _____

e. _ MUNICIPAL:

POPULATION List for 5-year periods until use is completed		MAXIMUM MONTH		ANNUAL USE		
Period	Population	Average daily use (gallons per capita)	Rate of diversion (cfs)	Average daily use (gallons per capita)	Acre-foot (per capita)	Total (acre-feet)

_ *See Attachment No. ____*

Month of maximum use during year: _____
Month of minimum use during year: _____

f. _ HEAT CONTROL: Area to be heat controlled: _____ net acres
Type of crops protected: _____
Rate at which water is applied to use: _____ gpm per acre
Heat protection season will begin _____ and end _____.
(month and day) (month and day)

g. _ FROST PROTECTION: Area to be frost protected: _____ net acres
Type of crops protected: _____
Rate at which water is applied to use: _____ gpm per acre
The frost protection season will begin _____ and end _____.
(month & day) (month & day)

h. _ INDUSTRIAL: Type of industry: _____

Basis for determination of amount of water needed: _____

i. _ MINING: Name of the claim:_____D Patented D Unpatented
Nature of the mine:_____Mineral(s) to be mined: ___
_ Type of milling or processing:
_____ After use, the water will be
discharged into_____(watercourse) in
¼ of_____¼ of Section__, T_____, R_____, B. & M.

j. _ POWER: Total head to be utilized:_____feet
Maximum flow through the penstock:_____cfs Maximum theoretical horsepower capable of being generated by the works (cfs x fall ÷ 8.8): _____
Electrical capacity (hp x 0.746 x efficiency):_____kilowatts at:_____% efficiency
After use, the water will be discharged into_____(watercourse)
in_____¼ of_____¼ of Section_____, T_____, R_____,_____B&M. FERC No.:_____

k. _ FISH AND WILDLIFE PRESERVATION AND/OR ENHANCEMENT: List specific species and habitat type that will be preserved or enhanced: _____

l. _ OTHER: Describe use:_____
Basis for determination of amount of water needed: _____

10. DIVERSION AND DISTRIBUTION METHOD

a. Diversion will be by gravity by means of: Inflow into the Pipeline
(dam, pipe in unobstructed channel, pipe through dam, siphon, weir, gate, etc.)

b. Diversion will be by pumping from: See Attachment No. 1
(sump, offset well, channel, reservoir, etc)
Pump discharge rate:_____ cfs or _ gpd Horsepower: _____
Pump Efficiency: _____

c. Conduit from diversion point to first lateral or to offstream storage reservoir:

CONDUIT (pipe or channel)	MATERIAL (type of pipe or channel lining; indicate if pipe is buried or not)	CROSS-SECTION (pipe diameter, or ditch depth and top and bottom width) (inches or feet)	LENGTH (feet)	TOTAL LIFT OR FALL		CAPACITY (cfs, gpd or gpm)
				feet	+ or -	

_ *See Attachment No.* __

d. Storage reservoirs: (For underground storage, complete and attach underground storage form)

RESERVOIR NAME OR NUMBER	DAM				RESERVOIR		
	Vertical height from downstream toe of slope to spillway level (feet)	Construction material	Length (feet)	Freeboard: dam height above spillway crest (feet)	Surface area when full (acres)	Capacity (acre-feet)	Maximum water depth (feet)

x *See Attachment No. 6*

e. Outlet pipe: Complete for storage reservoirs having a capacity of 10 acre-feet or more.

RESERVOIR NAME OR NUMBER	OUTLET PIPE				
	Diameter in inches	Length in feet	Fall: Vertical distance between entrance and exit of outlet pipe in feet	Head: Vertical distance from spillway to entrance of outlet pipe in feet	Dead Storage: Storage below entrance of outlet pipe in acre-feet

_ *See Attachment No. ___*

e. If water will be stored and the reservoir is not at the point of diversion, the maximum rate of diversion to off-stream storage will be_____cfs. Diversion to offstream storage will be made by:
_ Pumping _ Gravity

11. CONSERVATION AND MONITORING

a. What methods will you use to conserve water? Explain.
The Paso Robles Basin Groundwater Sustainability Plan and other water conservation programs are in place in the District where the water will be put to consumptive use, including San Luis Obispo County's Agricultural Offset Ordinance. Typical irrigation methods used within the District include drip irrigation and water users within the District routinely monitor soil moisture content to ensure optimum crop conditions.

b. How will you monitor your diversion to be sure you are within the limits of your water right and you are not wasting water? _ Weir x Meter _ Periodic sampling _ Other (describe)
Applicant will use metering devices to measure water in the Conveyance. Applicant will install, and will require landowners and designees who recover and beneficially use for irrigation the water that is the subject of this Application to install, meters on recovery wells. All users will be required to comply with the Paso Basin GSP and applicable District rules, regulations and policies.

12. RIGHT OF ACCESS

a. Does the applicant own all the land where the water will be diverted, transported and used?
_ YES x NO
If NO, I _ do x do not have a recorded easement or written authorization allowing me access.

b. List the names and mailing addresses of all affected landowners and state what steps are being taken to obtain access:
Applicant will acquire fee title or easement rights for the proposed Conveyance and its groundwater recharge facilities. Water will be used by Applicant and Applicant's landowners within District boundaries.

x *See Attachment No. 7*

13. EXISTING WATER RIGHTS AND RELATED FILINGS

a. Do you claim an existing right for the use of all or part of the water sought by this application?
_ YES x NO
If YES, please specify: _ Riparian _ Pre-1914 _ Registration _ Permit _ License
_ Percolating groundwater _ Adjudicated _ Other (specify) _____

b. For each existing right claimed, state the source, year of first use, purpose, season and location of the point of diversion (to within quarter-quarter section). Include number of registration, permit, license, or statement of water diversion and use, if applicable.

_ *See Attachment No. _*

c. List any related applications, registrations, permits, or licenses located in the proposed place of use or that utilize the same point(s) of diversion.
Permit No. 005882

_ *See Attachment No.* _

14. OTHER SOURCES OF WATER

Are you presently using, or do you intend to use, purchased water or water supplied by contract in connection with this project? _ Yes x No If yes, please explain:

15. MAP REQUIREMENTS

The Division cannot process your application without accurate information showing the source of water and location of water use. You must include a map with this application form that clearly indicates the quarter/quarter, section, township, range, and meridian of (1) the proposed points of diversion and (2) the place of use. A copy of a U.S.G.S. quadrangle/topographic map of your project area is preferred, and can be obtained from sporting goods stores or through the Internet at http://topomaps.usgs.gov. A certified engineering map is required when (1) appropriating more than three cubic feet per second by direct diversion, (2) constructing a dam which will be under the jurisdiction of the Division of Safety of Dams, (3) creating a reservoir with a surface area in excess of ten acres or (4) appropriating more than 1,000 acre-feet per annum by underground storage. See the instruction booklet for more information.

x *See Attachment No.* *No. 2 for Item 5*

ENVIRONMENTAL INFORMATION

Note: Before a water right permit may be issued for your project, the State Water Board must consider the information contained in an environmental document prepared in compliance with the California Environmental Quality Act (CEQA). This form is not a CEQA document. If a CEQA document has not yet been prepared for your project, a determination must be made of who is responsible for its preparation. If the State Water Board is determined to be responsible for preparing the CEQA document, the applicant will be required to pay all costs associated with the environmental evaluation and preparation of the required documents. Please answer the following questions to the best of your ability and submit with this application any studies that have been conducted regarding the environmental evaluation of your project.

16. COUNTY PERMITS

a. Contact your county planning or public works department and provide the following information:

Person contacted: _____ Date of contact: _____
Department: Planning and Community Development____ Telephone:_____
County Zoning Designation:

Are any county permits required for your project? x YES _ NO If YES, check appropriate box below:
_ Grading permit _ Use permit _ Watercourse _ Obstruction permit _ Change of zoning
_ General plan change x Other (explain):
Applicant will need to secure entitlements for the Conveyance alignment, and possibly others, which District will be able to identify with particularity when the necessary permits are discerned. Applicant will provide such information as it becomes available.

b. Have you obtained any of the required permits described above? _ YES x NO
If YES, provide a complete copy of each permit obtained.
_ *See Attachment No.* ____

17. STATE/FEDERAL PERMITS AND REQUIREMENTS

a. Check any additional state or federal permits required for your project:
_ Federal Energy Regulatory Commission _ U.S. Forest Service _ U.S. Bureau of Land Management x U.S. Corps of Engineers _ U.S. Natural Res. Conservation Service _ Calif. Dept. of Fish and Game _ State Lands Commission _ Calif. Dept. of Water Resources (Div. of Safety of Dams) _ Calif. Coastal Commission _ State Reclamation Board _ Other (specify)
_ US Fish & Wildlife Service _ State Historic Preservation Office _ Regional Water Quality Control Board
See Attachment 8. Otherwise, none that the District has identified as of the date of filing this Application. Applicant will provide this information as the project proceeds through its planning phase.

b. For each agency from which a permit is required, provide the following information:

AGENCY	PERMIT TYPE	PERSON(S) CONTACTED	CONTACT DATE	TELEPHONE NO.

x *See Attachment No.* 8

c. Does your proposed project involve any construction or grading-related activity that has significantly altered or would significantly alter the bed, bank, or riparian habitat of any stream or lake? x YES _ NO
If YES, explain:
Applicant anticipates directly diverting water from Santa Margarita Lake into the Conveyance. Applicant will provide information in response to this item as the project proceeds through its planning phase and such information becomes known and available.

_ *See Attachment No.* _

b. Have you contacted the California Department of Fish and Game concerning your project?
_ YES x NO If YES, name, telephone number and date of contact:

18. ENVIRONMENTAL DOCUMENT

a. Has any California public agency prepared an environmental document for your project?
_ YES x NO

b. If YES, submit a copy of the latest environmental document(s) prepared, including a copy of the notice of determination adopted by the California public agency. Public agency:

c. If NO, check the appropriate box and explain below, if necessary:
x The applicant is a California public agency and will be preparing the environmental document.*
_ I expect that the State Water Board will be preparing the environmental document.**
_ I expect that a California public agency other than the State Water Board will be preparing the environmental document.* Public agency: _____
_ *See Attachment No.* _

* Note: When completed, submit a copy of the final environmental document (including notice of determination) or notice of exemption to the State Water Board, Division of Water Rights and proof of payment of the State Clearinghouse filing fee. Processing of your application cannot be completed until these documents are submitted.

** Note: CEQA requires that the State Water Board, as Lead Agency, prepare the environmental document. The information contained in the environmental document must be developed by the applicant and at the applicant's expense under the direction of the State Water Board, Division of Water Rights.

19. WASTE/WASTEWATER

a. Will your project, during construction or operation, (1) generate waste or wastewater containing such things as sewage, industrial chemicals, metals, or agricultural chemicals, or (2) cause erosion, turbidity or sedimentation? x YES _ NO
If YES, or you are unsure of your answer, explain below and contact your local Regional Water Quality Control Board for the following information (See instruction booklet for address and telephone no.):
Potential for construction-related sediment might occur as a result of construction of the proposed Conveyance and recharge Facilities. Mitigation will be incorporated into the construction methods to reduce impacts.

_ *See Attachment No.* _

b. Will a waste discharge permit be required for your project? _ YES x NO
Person contacted: _____ Date of contact: _____

c. What method of treatment and disposal will be used? _____
Applicant is not aware of the methods and treatment of disposal, or what the extent of the nature of the waste will be. As the project progresses through the planning phase, Applicant will update this information.

_ *See Attachment No.* _

20. ARCHEOLOGY

a. Have any archeological reports been prepared on this project? _ YES x NO
b. Will you be preparing an archeological report to satisfy another public agency? _ YES x NO
c. Do you know of any archeological or historic sites located within the general project area?
_ YES x NO If YES, explain:
Applicant is not aware at this time of any archaeological or historical sites located within the Project area. Applicant will prepare such reports as may be necessary if archaeological or historical sites are identified.

_ *See Attachment No.* _

21. ENVIRONMENTAL SETTING

Attach **two complete sets of color photographs**, clearly dated and labeled, showing the vegetation that exists at the following three locations:
_ Along the stream channel immediately downstream from the proposed point(s) of diversion.
_ Along the stream channel immediately upstream from the proposed point(s) of diversion.
_ At the place(s) where the water is to be used.
x *See Attachment No. 9*

SUBMITTAL FEES

Calculate your application filing fee using the "Water Right Fee Schedule Summary" that was enclosed in the application packet. The "Water Right Fee Schedule Summary" can also be viewed at the Division of Water Rights' website (www.waterrights.ca.gov).

A check for the application filing fee, payable to the "Division of Water Rights" and an $850 check for the Streamflow Protection Standards review fee [Pub. Resources Code § 10005(a)], payable to the "California Department of Fish and Game," must accompany this application. All applicable fees are required at the time of filing. If the application fees are not received, your application will not be accepted and will be returned to you. Please check the fee schedule for any fee changes prior to submitting the application.

DECLARATION AND SIGNATURE

I declare under penalty of perjury that all information provided is true and correct to the best of my knowledge and belief. I authorize my agent, if I have designated one above, to act on my behalf regarding this water right application.

Signature of Applicant	Title or Relationship	Date
Willy Cunha	President of Board SSJID	1-25-2021
Signature of Co-Applicant (if any)	Title or Relationship	Date

Applications that are not completely filled out and/or do not have the appropriate fees will not be accepted. In the event that the Division has to return the application because it is incomplete, a portion of the application submittal fee will be charged for the initial review.

"APPLICATION TO APPROPRIATE WATER" CHECKLIST

Before you submit your application, be sure to:

- D **Answer each question completely.**
- D **Number, label and include all necessary attachments.**
- D **Include a legible map that meets the requirements discussed in the instruction booklet.**
- D **Include the Water Availability Analysis or sufficient information to demonstrate that there is reasonable likelihood that unappropriated water is available for the proposed appropriation.**
- D **Include two complete sets of color photographs of the project site.**
- D **Enclose a check for the required fee, payable to the Division of Water Rights.**
- D **Enclose an $850 check for the Streamflow Protection Standards review fee, payable to the Department of Fish and Game.**
- D **Sign and date the application.**

Send the original and one copy of the entire application to:

State Water Resources Control Board
Division of Water Rights
P.O. Box 2000
Sacramento, CA 95812-2000

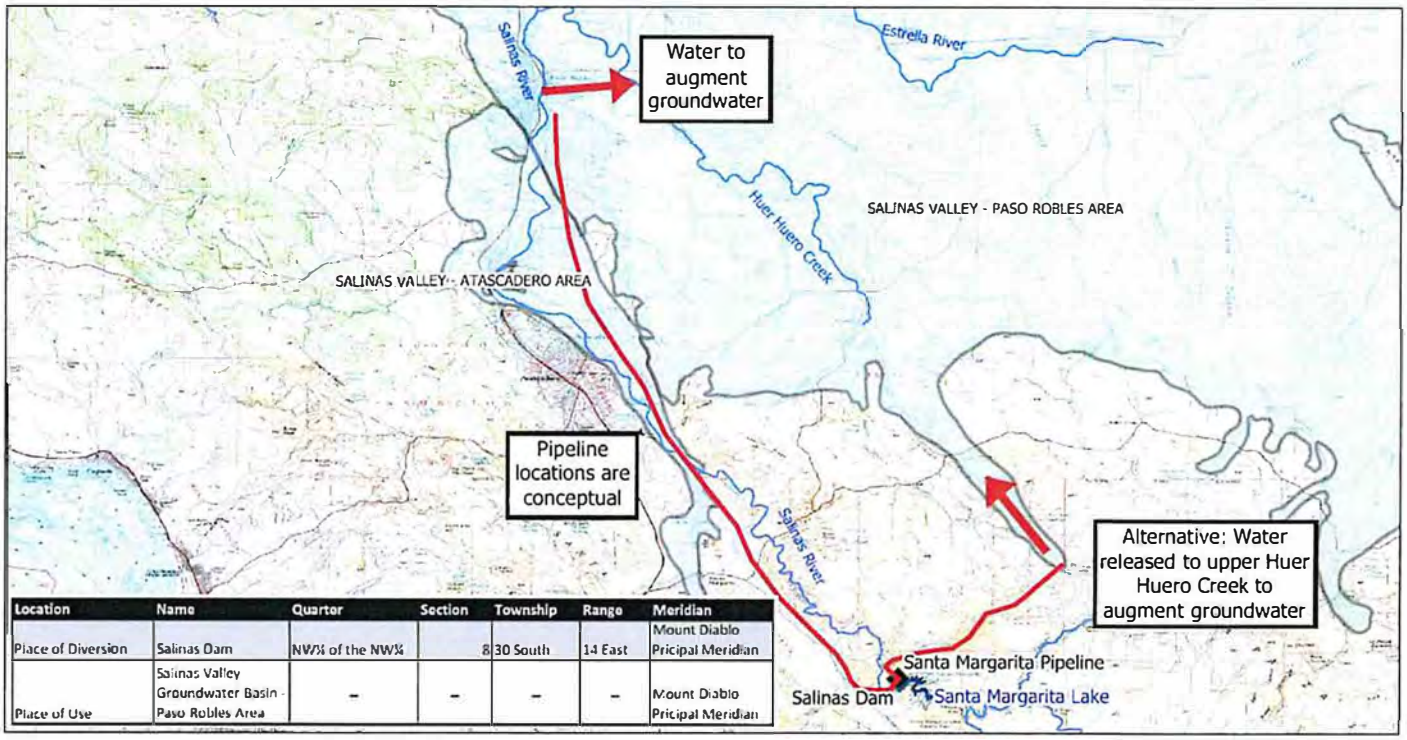
Attachment No. 1 [for Item 3]

It will likely be necessary for Applicant to construct pumping facilities in connection with the Conveyance to provide for the transport of water from the Conveyance to the recharge facilities. The specifics of this portion of the project, in particular the capacity of any pumping facilities that might be necessary, is not yet known. Applicant will provide this information as this project proceeds through its planning phase and as such information becomes available.

Attachment No. 2 [for Item 5]

POD Map

Map 2: Points of Diversion from Santa Margarita Lake



Location	Name	Quarter	Section	Township	Range	Meridian
Place of Diversion	Salinas Dam	NW¼ of the NW¼	8	30 South	14 East	Mount Diablo Pricipal Meridian
Place of Use	Salinas Valley Groundwater Basin - Paso Robles Area	-	-	-	-	Mount Diablo Pricipal Meridian

0 2.5 5 7.5 mi

Basemap Source: USGS, Esri

Legend

- Santa Margarita Water Pipeline
- Points of Diversion/ Rediversion
- Streams
- Groundwater Basins

I, Michael J. Preszler, of 169 Parkshore Drive, Suite 110, Folsom, California do hereby certify that this map was prepared by me on Jan 12, 2021 and that it correctly represents the project described in the accompanying application and shows the location of the rivers and streams in the immediate vicinity.

Michael J. Preszler, California Civil Engineer
Certificate No. C55133 exp 6/30/22

Attachment No. 3 [for Item 6]

The San Luis Obispo County Flood Control and Water Conservation District (SLOFCWCD) operates Santa Margarita Lake, also called Salinas Reservoir, under a lease from the U.S. Army Corps of Engineers. The reservoir is operated to supply water to the City of San Luis Obispo (City). Santa Margarita Lake has a capacity of 23,843 AF and is located on the upper reach of the Salinas River. The Salinas River at Santa Margarita Lake is not deemed fully appropriated seasonally or year around.

The City has a water right permit for 45,000 AF of storage at Santa Margarita Lake. The City's water right permit also includes 12.4 Cubic-Feet per Second (CFS) of direction diversion year around. This Application requests the appropriation of additional available Salinas River water to be diverted by direct diversion at Santa Margarita Lake to be taken and conveyed to the Paso Subbasin.

Direct Diversion: The direct diversion right sought under this Application will allow diversion of water that would otherwise spill from Santa Margarita Lake to be directly diverted and conveyed to the Paso Subbasin. This will occur during high flow events where flood releases are made from Santa Margarita Lake to avoid spill or when the reservoir is spilling. This unappropriated water is currently released (spilled) down the Salinas River in high volumes, during high flow events during periods of strong precipitation.

Water Availability Evaluation Approach

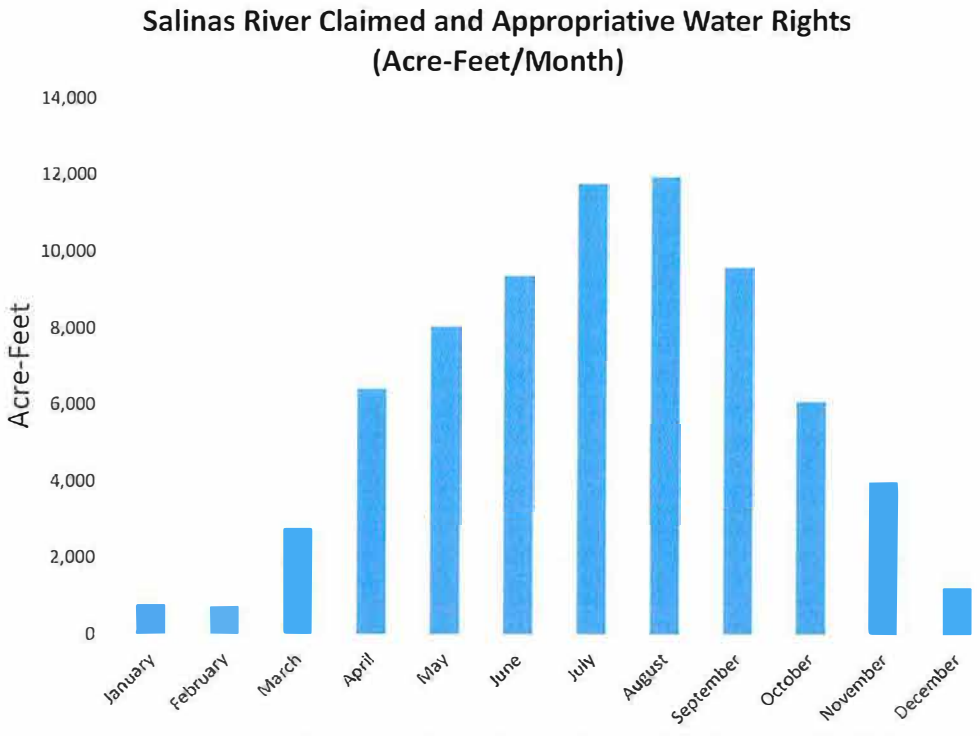
An analysis was carried out to identify and quantify the potential amount of water that could be available for appropriation under this Application. In order to accomplish this task, detailed review of the operation of Santa Margarita Lake from 1994 through 2019 was conducted.

The general approach to the evaluation was as follows:

- ✓ Review detailed Santa Margarita Lake operational strategies and information for the period 1994-2019.
- ✓ Determine times and amounts of water that can be diverted from Santa Margarita Lake during high flow events when releases are being made from the reservoir during spill events or in anticipation of spill.
- ✓ New conveyance facilities will be required to convey water from Santa Margarita Lake to the Paso Subbasin. The design and performance of this new conveyance is not finalized at this time. This analysis considers a diversion capacity of 100 cfs.

Water Availability Analysis

Downstream senior water right holders were inventoried and summarized. There are about 270 claimed riparian and Pre-1914 right holders and about 13 Appropriative water right holders included on the SWRCB Electronic Water Rights Information Management System database. Water right reports were reviewed and summarized to obtain an estimate of downstream water right claims and appropriations. The figure below shows a summary of the amount of water from the Salinas River under claimed and appropriative water rights.



Summary of Water Right Claims and Appropriations on the Salinas River

Preliminary findings outlined here confirm that water is available for appropriation. A detailed evaluation to affirm that no injury to senior water right holders will occur will be included in full Water Availability Analysis to be developed in support of this Application.

Direct Diversion Right:

When considering the availability of water under high flow events, spill tends to occur during January through May from Santa Margarita Lake. This tends not to be the time when downstream users are taking significant water, thereby minimizing the potential for a new appropriation to cause injury to a downstream user. Additionally, during reservoir spill conditions when direct diversion would be available, high flows along the Salinas River would likely meet demands of all downstream senior water right holders as demands would be minimized and supply would be enhanced.

Daily operational information was reviewed to identify and calculate the volume of water that could be diverted from Santa Margarita Lake during times of spill and releases in anticipation of spill. During water years 1994 through 2019, Santa Margarita Lake spilled during 12 of 26 years, or 46% of the years (see table below). Annual unappropriated water available under direction diversion during spill years were evaluated. A diversion capacity of 100 cfs was selected as both feasible and able to capture much water available during times of spill. At a diversion rate of 100 cfs, water availability ranges from 0 in many years to over 20,000 in year 1998. The average annual direct diversion water available using a 100 cfs diversion capacity from Santa Margarita Lake is about 4,000 AF for the 1994 – 2019 study period.

Direct Diversion Water Available from Santa Margarita Lake

Water Year	Total Spill (AF)	Supplemental Water Available (AF)
1994	0	0
1995	66,450	14,000*
1996	12,365	6,129
1997	54,122	10,437
1998	105,594	14,000*
1999	0	0
2000	967	967
2001	9,425	2,452
2002	0	0
2003	0	0
2004	0	0
2005	29,150	9,459
2006	35,271	7,456
2007	0	0
2008	0	0
2009	0	0
2010	7,742	4,334
2011	51,578	14,000*
2012	0	0
2013	0	0
2014	0	0
2015	0	0
2016	0	0
2017	28,963	7,776
2018	0	0
2019	49,479	11,523
Average	**17,350**	**3,944**

* Limited to 14,000 AF annually

The maximum single year water availability, annual range of annual availability, direct diversion rate, conveyance size and potential costs were considered in determining the amount of water sought under this Application. The direct diversion sought under this Application is 14,000 AF.

Water Available Summary

An estimate of the amount of water available for appropriation from Santa Margarita Lake was evaluated. A summary of water availability and water sought under this Application is shown in the table below.

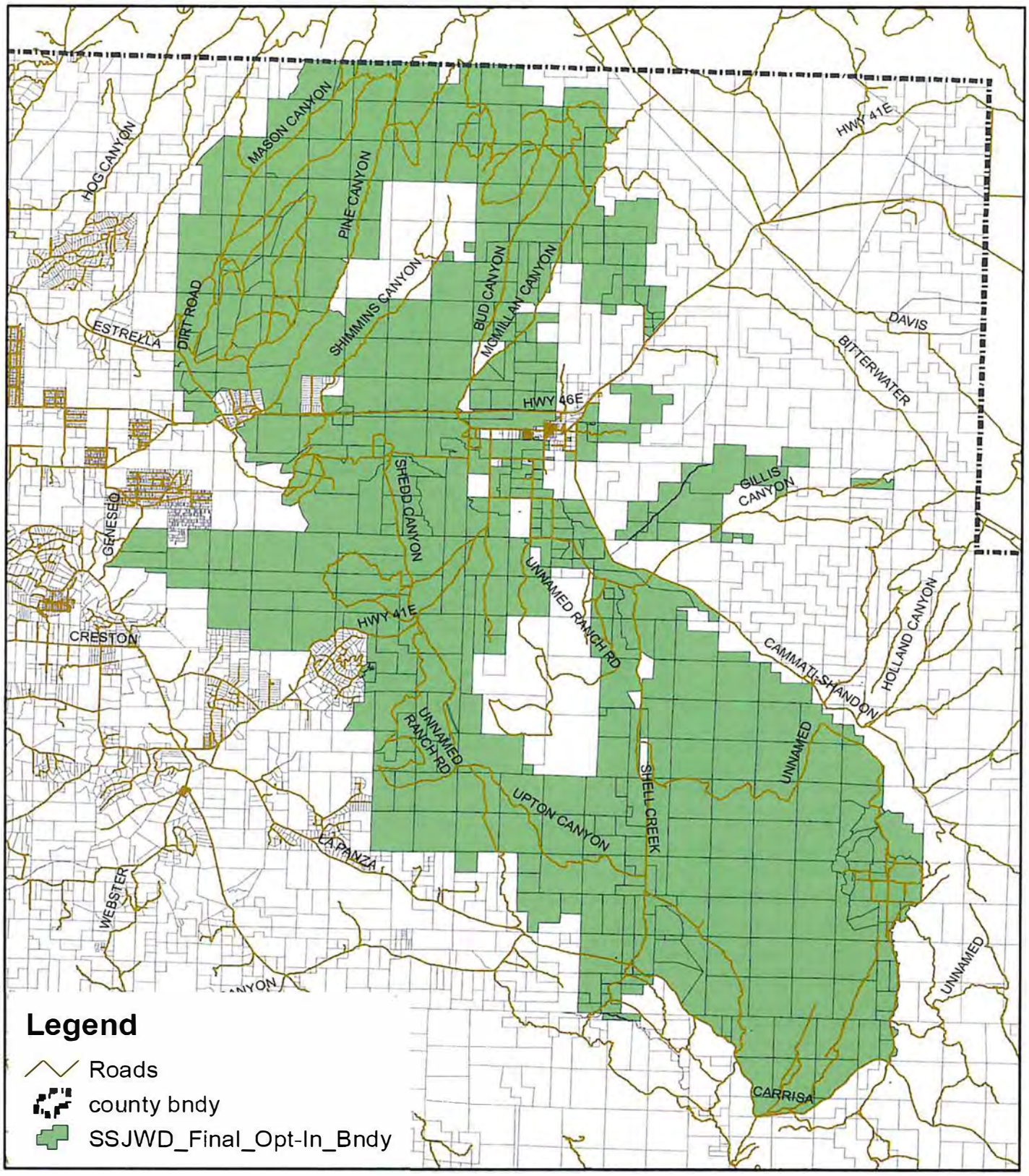
Estimated Water Available from Santa Margarita Lake

Source	Direct Diversion	Estimate of Water Availability (AF/Year)
Santa Margarita Lake	Estimated Average Annual	3,944
	Maximum Year	14,000

Attachment No. 4 [For Item 7]

POU MAP

Shandon-San Juan Water District



Attachment No. 5 [For Item 9]

Subbasin	CropDesig	Acres	Crop Duty	AF/Year	Method
San Juan	Alfalfa	465	4.5	2,094	Sprinkler
	Citrus	8	2.3	18	Drip
	Pasture	562	4.8	2,698	Sprinkler
	Vegetables	717	2.5	1,793	Sprinkler
	Winegrapes	3,597	1.5	5,396	Drip
San Juan Total		5,350	2.24	11,999	
Shandon	Alfalfa	139	4.5	628	Sprinkler
	Citrus	19	2.3	43	Drip
	Deciduous	2	3.5	6	Drip
	Nursery	44	2.5	110	Drip
	Pasture	144	4.8	690	Sprinkler
	Table Grapes	1,114	3.5	3,898	Drip
	Vegetables	796	2.5	1,991	Sprinkler
	Winegrapes	5,011	1.5	7,517	Drip
Shandon Total		7,269	1.96	14,255	
Shandon-San Juan Total		12,619	2.08	26,254	

Crop	Applied Water	Crop Detail
Alfalfa	4.5	Alfalfa
CBD Hemp	1.5	Field grown CBD Hemp
Citrus	2.3	Avocados, grapefruits, lemons, oranges, olives, kiwis, pomegranates (non-deciduous)
Deciduous	3.5	Apple, apricot, berry, peach, nectarin, plum, fig, pistachio, persimmon, pear, quince
Nursery	2.5	Christmas trees, misc. nursery plants, flowers
Pasture	4.8	Misc. grasses, mixed pastures, sod/turf, sudangrass
Strawberries	2.3	Strawberries
Table Grapes	3.5	Table Grapes
Vegetables	2.5	Artichokes, beans, misc. vegetables, mushrooms, onions, peas, peppers, tomatoes
Winegrapes	1.5	Winegrapes

Attachment No. 6 [For Item 10]

[UNDERGROUND STORAGE SUPPLEMENT FOLLOWS THIS PAGE]

Linda S. Adams
Acting Secretary for Environmental Protection

State Water Resources Control Board

Division of Water Rights

1001 I Street • Sacramento, California 95814• (916) 341-5300
Mailing Address: P.O. Box 2000 • Sacramento, California • 95812-2000
FAX (916) 341-5400 • http://www.waterboards.ca.gov/waterrights

Edmund G. Brown Jr.
Governor

APPLICATION NO. _____
(Leave blank)

UNDERGROUND STORAGE SUPPLEMENT TO APPLICATION TO APPROPRIATE WATER BY PERMIT

1. State amount of water to be diverted to underground storage from each point of diversion in item 3b of form APP.

a. Maximum Rate of diversions (1) see attached (2)_____(3)_____cfs
b. Maximum Annual Amount (1) 14,000 (2)_____(3)_____acre-feet

2. Describe any works used to divert to offstream spreading grounds or injection wells not identified in item 7 of form APP.

The diversion from Santa Margarita Lake to the Applicant's groundwater recharge facilities and, if necessary, related pumping facilities (the "Facilities") will be by way of a pipeline or canal that Applicant will construct, own and operate. Applicant does not intend to use injection wells in connection with this project.

3. Describe spreading grounds and identify its location and number of acres or location of upstream and downstream limits if onstream.

The Facilities will be situated in the Huer Huero watershed, within the Subbasin. Applicant has not yet designed its Facilities; however, studies of the area have been conducted that confirm its suitability for groundwater recharge. See attached.

4. State depth of groundwater table in spreading grounds or immediate vicinity:
___ feet below ground surface on_____ measured at a point located within the__¼ of_____¼ of Section___, T___, R_____,___B&M **(see attached)**

5. Give any historic maximum and or minimum depths to the groundwater table in the area.

Location #1 Maximum___feet below ground surface on_____ (date) **(see attached)**
Location #2 Maximum___feet below ground surface on_____(date) **(see attached)**

6. Describe proposed spreading operation.
See attached

7. Describe location, capacity and features of proposed pretreatment facilities and/or injected wells.

Due to the quality of the water, its intended use for irrigation, and the nature of project, Applicant does not have plans or intentions to use pretreatment facilities or injection wells.

8. Reference any available engineering reports, studies, or data on the aquifer involved.

The Paso Robles Subbasin Groundwater Sustainability Plan; Paso Robles Subbasin First Annual Report (2017-2019); Paso Robles Basin Stormwater Capture and Recharge Feasibility Study (Applicant and Estrella-El Pomar-Creston Water District); The Paso Robles Basin Recharge Siting Feasibility Study for the Huer Huero Creek (SLO County Flood Control and Water Conservation District); Department of Water Resources Bulletin 118.

9. Describe underground reservoir and attach a map or sketch of its location.

The underground reservoir is described in the sources referenced in Item 8 above.
Also, see attached Map.

10. State estimated storage capacity of underground reservoir.

See attached excerpt from DWR's Bulletin 118. There is ample storage capacity to accommodate the amount of water that is the subject of this application.

11. Describe existing use of the underground storage reservoir and any proposed change in its use.

The Basin is heavily relied upon by municipalities for domestic and M&I use, and by agricultural users for irrigation. Because of the lack of imported water projects, in most instances groundwater is the sole source of water supplies for water users in the Subbasin. Applicant is seeking to alleviate the strain on the Subbasin, which is critically overdrafted.

12. Describe the proposed method and location of measurement of water placed into and withdrawn from underground storage.

Applicant intends to meter the water delivered to the Facilities through the proposed conveyance, and will calculate the rate of recharge to the Subbasin using proven technological methods. Applicant will use, and will require its landowners and each of their designees to use, metering devices as a condition of recovery and use of water for irrigated agriculture that is the subject of this Application.

Additional copies of this form and water right information can be obtained at www.waterrights.ca.gov.

Underground Storage Supplement Responses to Select Items

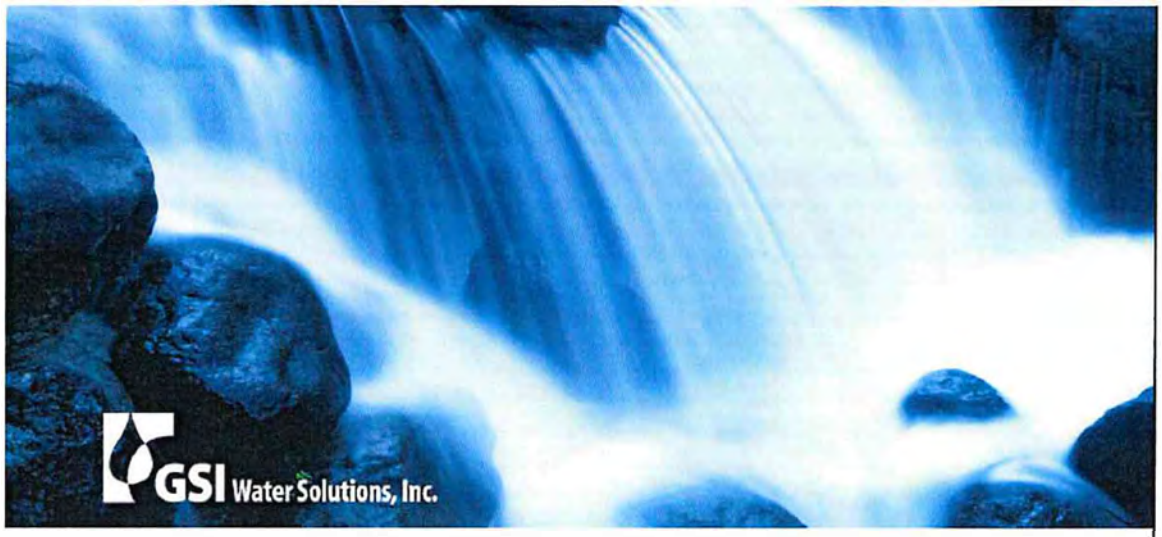
ITEM 1

1.a: The Applicant seeks to divert up to 14,000 acre feet of available surplus water in Santa Margarita Lake through a pipeline or canal that Applicant will construct, own and operate, for delivery to Applicant's recharge Facilities to be located within the Subbasin. The rate of diversion for the 14,000 acre feet will be 98 cfs.

ITEM 3

The area that Applicant has identified for the location of its recharge Facilities is within the Huer Huero Creek watershed. GSI Water Solutions, Inc., conducted a study (see excerpts below) for the Applicant and the Estrella-El Pomar-Creston Water District of the viability of Huer Huero as a location for recharge activity. Among the study's conclusions is the following:

> *The areas along the more upstream locations of Huer Huero Creek have the best physical recharge properties in the Paso Robles Subbasin but with limited stormwater flows, since most of the existing surface water percolates into permeable soils connected to the underlying Alluvial Aquifer. It is therefore better suited for recharge of imported water.*



FINAL

Shandon-San Juan Water District and
Estrella-El Pomar-Creston Water District

Paso Robles Subbasin Stormwater Capture and Recharge Feasibility Study

December 30, 2020

Prepared by:
GSI Water Solutions, Inc.
5855 Capistrano Avenue, Suite C, Atascadero, CA 93422

a larger portion of the basin because it is located upgradient of the areas that are affected by chronic lowering of groundwater levels and because more water would move into the Paso Robles Formation.

Target Area 5. Target Area 5, in the upstream reaches of the Huer Huero Creek, has the best physical conditions to recharge stormwater. Because of this recharge potential, the natural flows occurring in Huer Huero Creek are already being recharged, leaving negligible additional naturally available stormwater. Although Target Area 5 is ideal for artificial recharge, the water source must be imported due to lack of natural flows. Target Area 5 has on average, for water year 2001 through 2016, an estimated surface water flow of 1,030 AFY, diversion potential of 60 AFY, streambed percolation of 1,220 AFY, and a depth to water of 70 ft bgs in 2005 (wet conditions) and 90 ft bgs in 2014 (dry conditions) (see Figures 9 and 16). The target area consists of NRCS Hydrologic Soil Group A with an estimated recharge rate 2.41 inches per hour (see Table 4) or 4.8 acre-ft/day per acre. The estimated annual potential diversions from 2001 through 2016 are shown in Figure 17, where most of the divertible flow is available during very wet years and no divertible flows are available in dry years. The HSPF modeled annual average diversion potential are 0 AFY, 630 AFY, and 0 AFY for average (2001), wet (2005), and dry (2014) hydrologic years, respectively. Inside Target Area 5 there is one active confidential private well and one active non-confidential public well. Recharge in this part of the basin would benefit a larger portion of the basin because it is located upgradient of the areas that are affected by chronic lowering of groundwater levels and because more water would move into the Paso Robles Formation. However, there is an insufficient quantity of natural stormwater flow. This area would be ideal for recharge if an imported source of water were available.

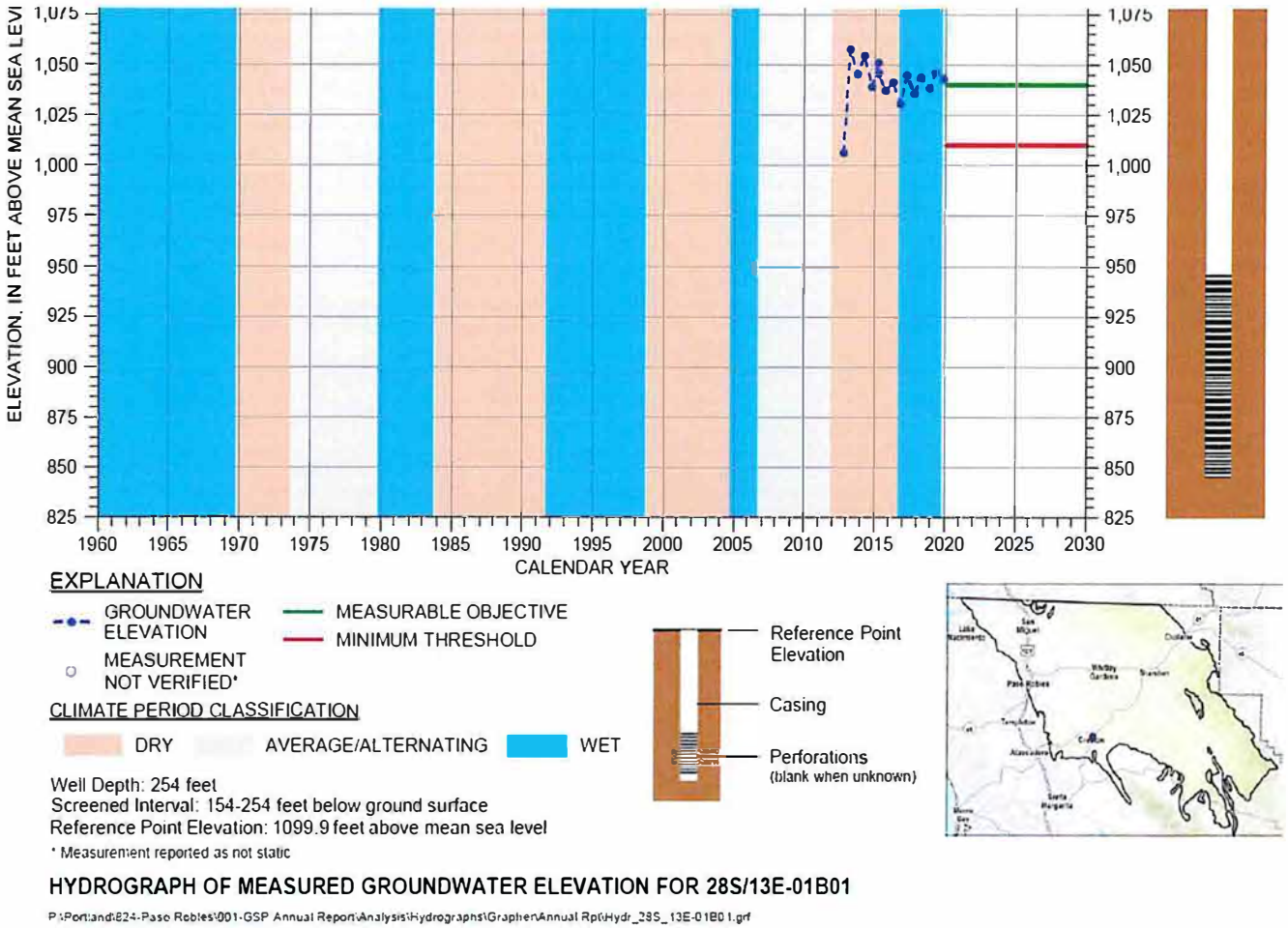
Conclusions

Based on comparative distribution modeling to determine the optimum recharge locations, considering land use, and quantifying the available stormwater in the Paso Robles Subbasin using the GSP model, the following conclusions can be drawn:

- The comparative distribution modeling of topographic slope, soil, and aquifer hydraulic conductivities, in general, delineates that the optimum recharge areas are located near river and creek drainages and toward the higher elevations in the eastern part of the basin, due to greater aquifer hydraulic conductivity.
- Based on the calibrated surface/groundwater GSP model results, capturable stormwater volumes increase in the downstream direction of the San Juan Creek and Estrella River, as the contributing watershed areas become larger. However, stormwater recharge at downgradient locations offer the least benefit to the rest of the basin.
- The areas along the more upstream locations of Huer Huero Creek have the best physical recharge properties in the Paso Robles Subbasin but with limited stormwater flows, since most of the existing surface water percolates into permeable soils connected to the underlying Alluvial Aquifer. It is therefore better suited for recharge of imported water.
- All of the five selected recharge target areas have soils classified as NRCS Hydrologic Soil Group A. NRCS A- soils are the most conducive soils for recharge with an estimated approximate infiltration rate of 2.41 inches/hour or 4.8 acre-ft/day per acre.
- Target Area 1 and 2 have the most available stormwater but lesser physical capacity to percolate water compared to the other target areas.
- Target Areas 3 and 4 have lesser available stormwater but have greater physical capacity to percolate water compared to Areas 1 and 2. The inverse is true compared to Target Area 5.

ITEM 4
[Alternative #1]

The following information are from Appendix E of the *Paso Robles Subbasin First Annual Report (2017-2019)* for the Paso Basin GSP, and are derived from reports of wells located in the vicinity of the alternative locations for the planned Facilities.



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 28S/13E-01B01

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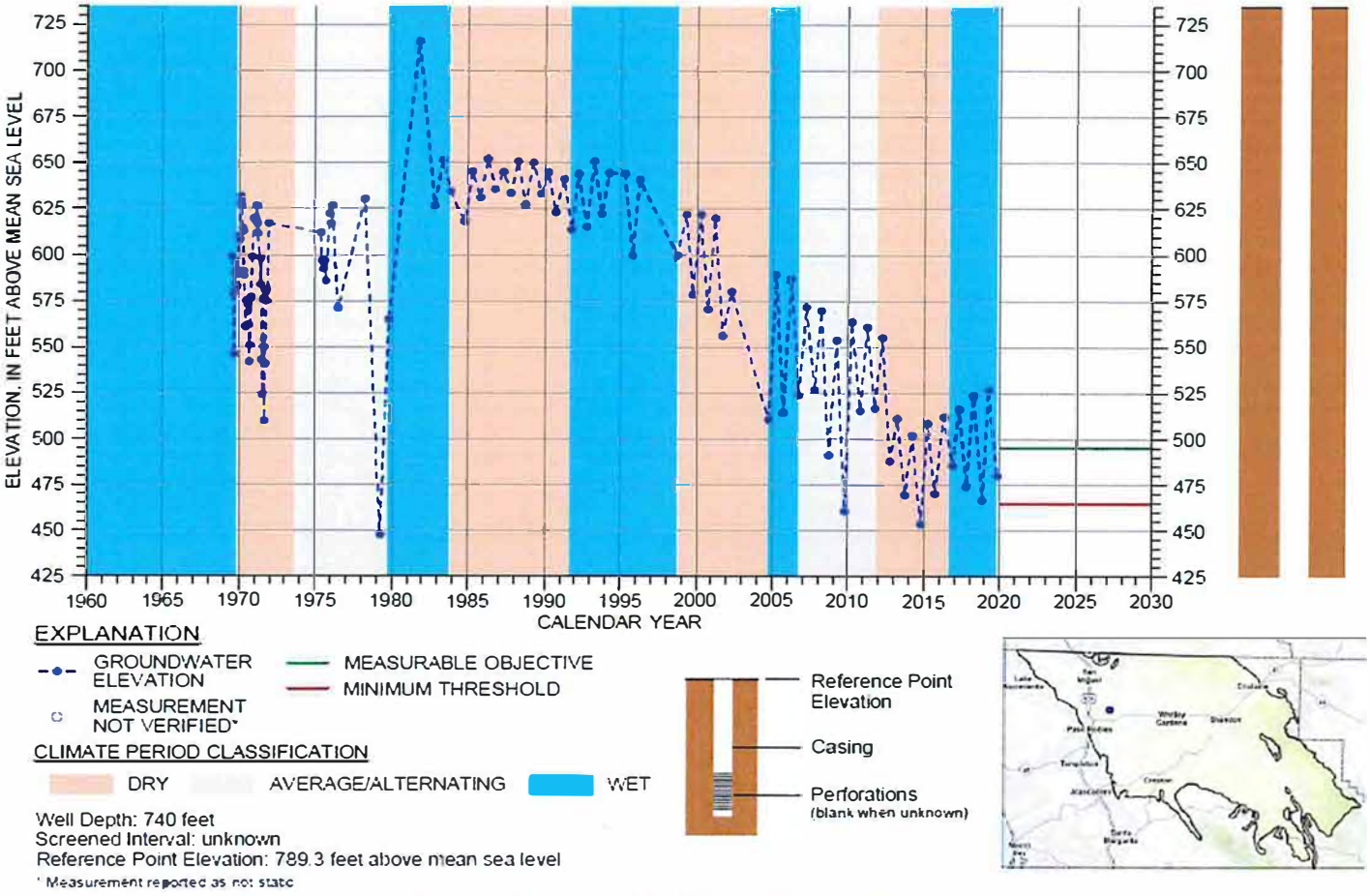
ITEM 4
[Alternative #2]



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 26S/12E-14G01

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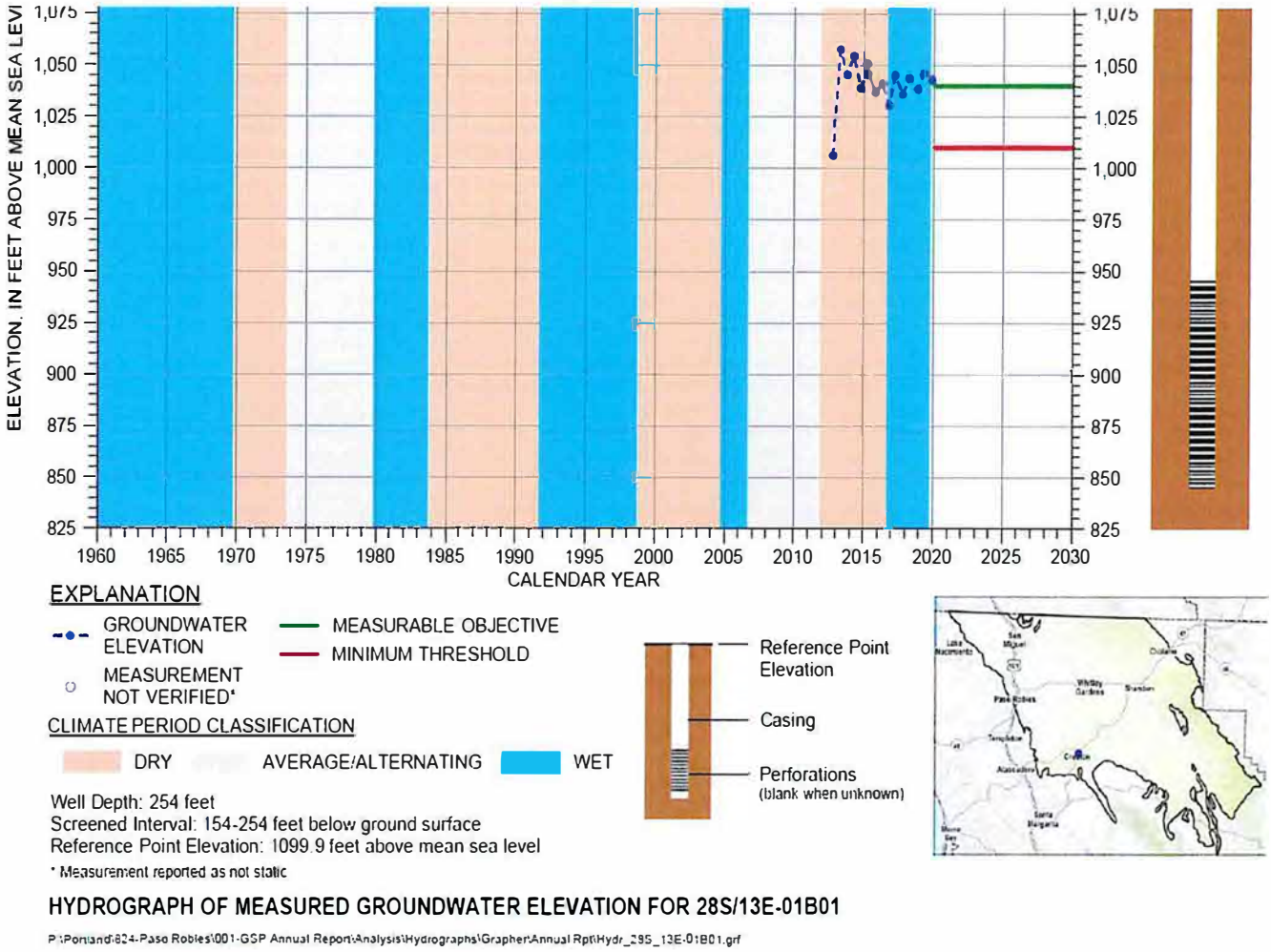
ITEM 5

[Location #1(a)]

The following information is from Appendix E of the *Paso Robles Subbasin First Annual Report (2017-2019)* for the Paso Basin GSP. These are the same attachments as the ones used for Item 4, and represent groundwater elevations in the vicinity of the alternative locations of the planned Facilities.



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 28S/13E-01B01

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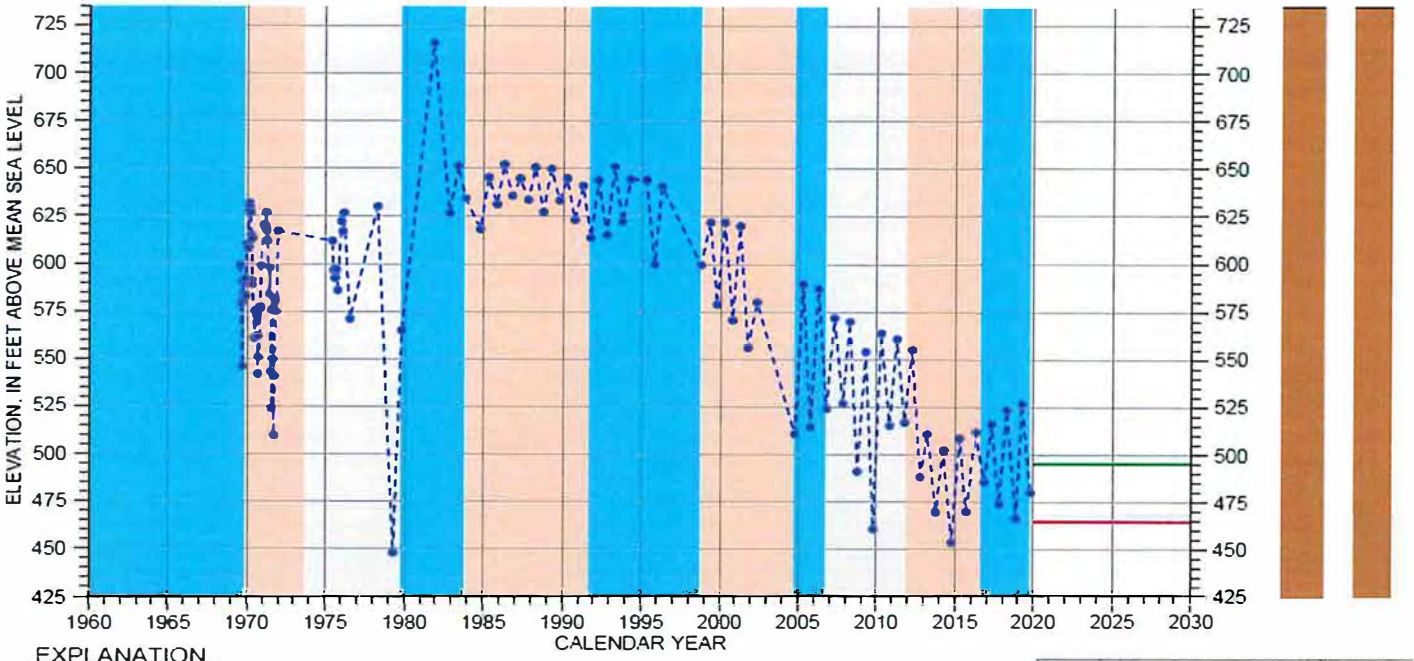
ITEM 5
[Location #1(b)]

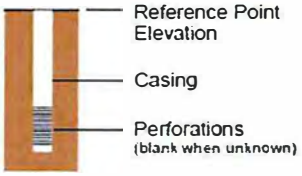


EXPLANATION

- GROUNDWATER ELEVATION
- MEASUREMENT NOT VERIFIED*
- MEASURABLE OBJECTIVE
- MINIMUM THRESHOLD

CLIMATE PERIOD CLASSIFICATION

DRY | AVERAGE/ALTERNATING | WET



Well Depth: 740 feet
Screened Interval: unknown
Reference Point Elevation: 789.3 feet above mean sea level

* Measurement reported as not state

HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 26S/12E-14G01

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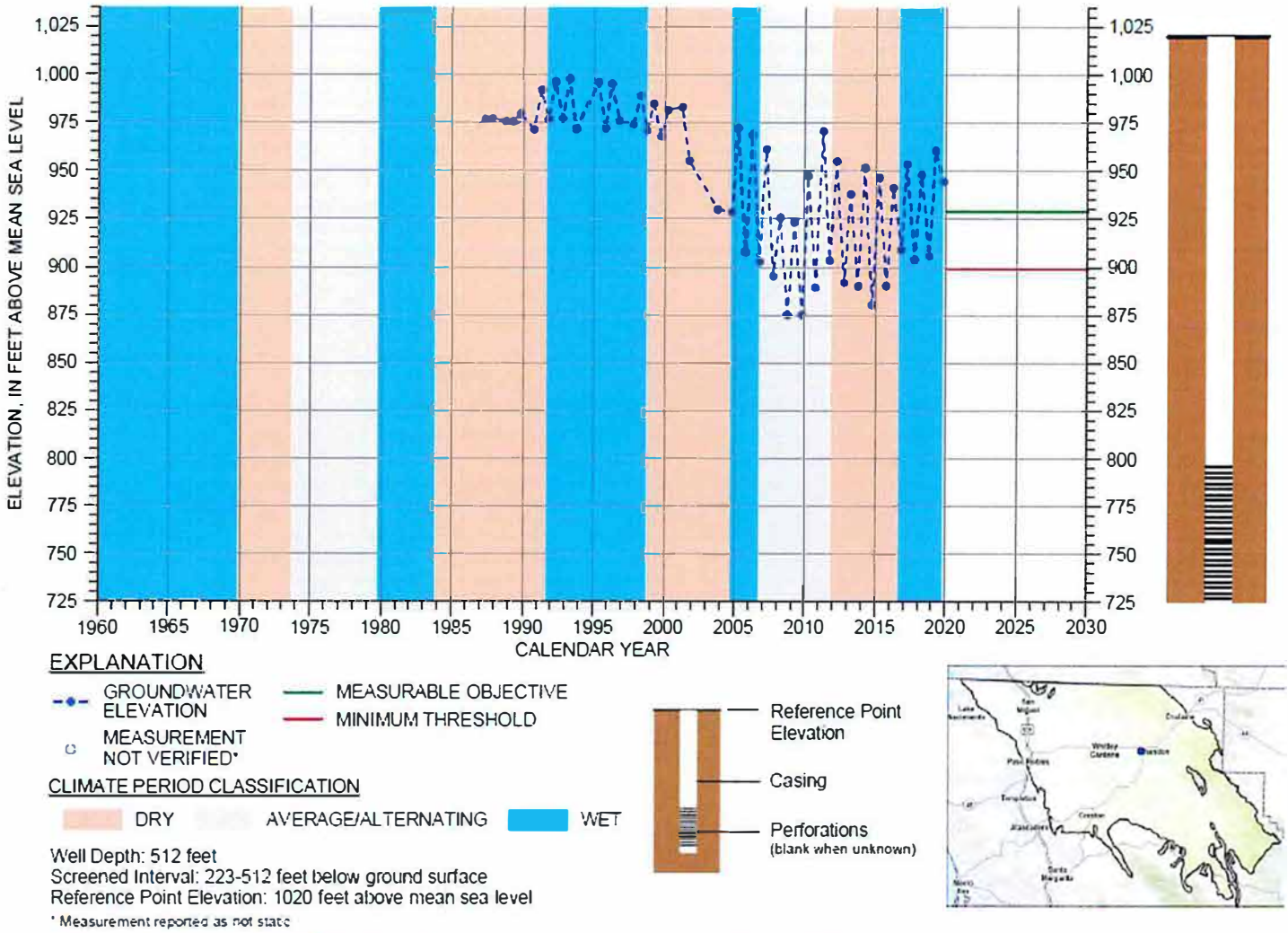
ITEM 5
[Location #2]

The following information is from Appendix E of the *Paso Robles Subbasin First Annual Report (2017-2019)* for the Paso Basin GSP. It is derived from reports of a well located within the boundaries of the Shandon-San Juan Water District and is representative of groundwater elevations in a portion of the Place of Use identified in this application.



HYDROGRAPH OF MEASURED GROUNDWATER ELEVATION FOR 26S/15E-19E01

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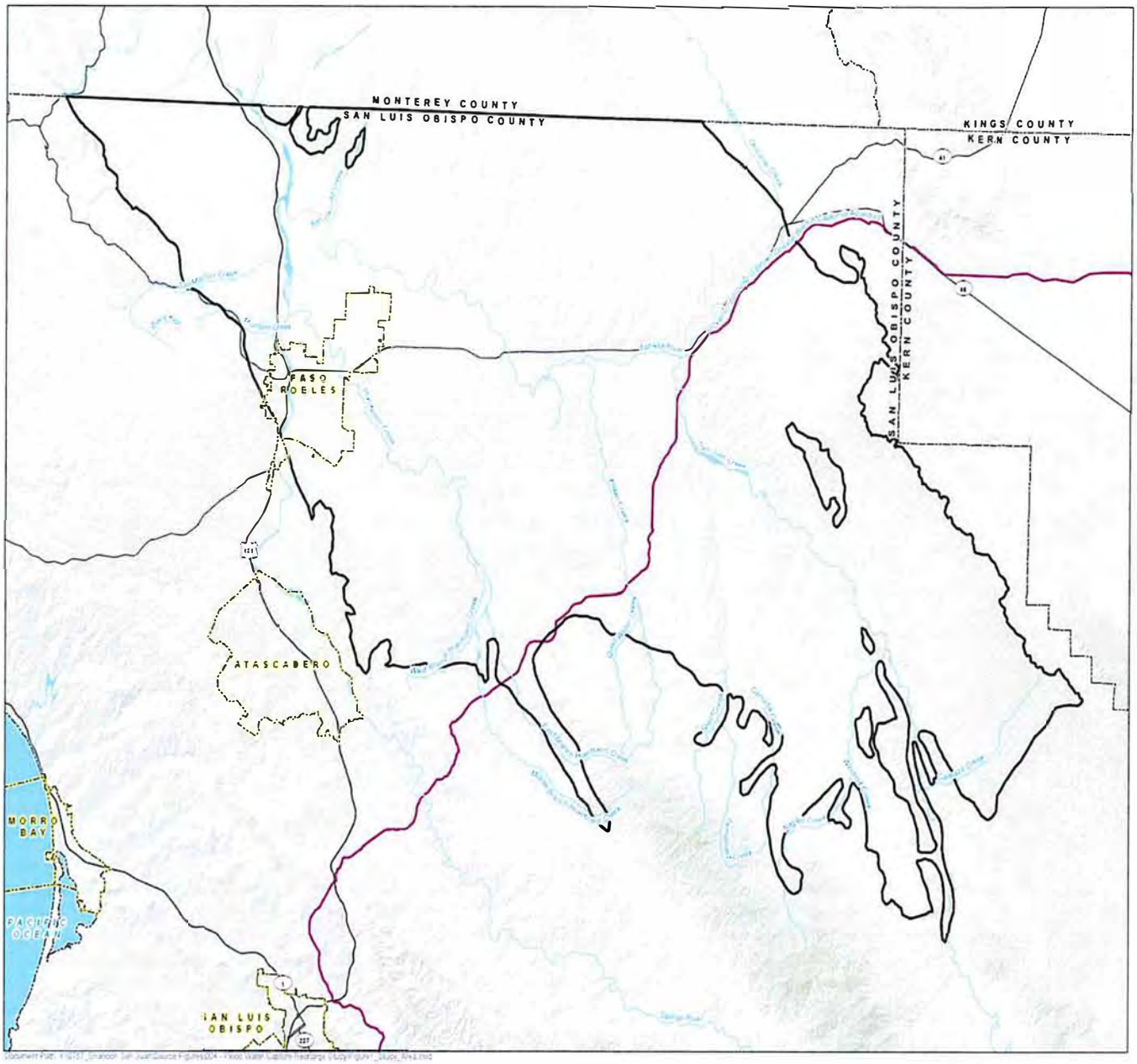
Item 6

6. Applicant would deliver water from Santa Margarita Lake to the recharge Facilities through Applicant's proposed conveyance system, where Applicant would augment the Subbasin through direct recharge by percolation in the recharge Facilities. Applicant, its landowners, or their designees, would later recover and use the recharged water within Applicant's boundaries on land overlying the Subbasin. Applicant intends to develop policies for allocation of the imported water that is the subject of this application. Such policies would include (i) provisions for leave-behind to ensure that this project would not contribute to overdraft in the Subbasin, and (ii) provisions requiring the metering of recovery wells to monitor use of the water for irrigated agriculture.

Item 9
(Basin Map)



Item 10

Groundwater Storage

Groundwater Storage Capacity. DWR (1958) estimated the storage capacity to be 3,000,000 af in the zone 100-feet below 1958 static levels. DWR (1975) estimated the total storage capacity at 6,800,000 af. A study by Fugro West (2001a) estimates the total capacity at more than 30,400,000 af. DWR (1975) estimated the usable capacity at 1,700,000 af.

Attachment No. 7 [For Item 12]

Applicant intends to transport water through the proposed Conveyance to its recharge Facilities, where water will be recharged to the Subbasin. The recharged water will be subsequently extracted and put to beneficial use within District boundaries.

Applicant will need to acquire fee title interest to, or easement or license rights on, the proposed Conveyance alignment and the property where Applicant expects to construct its recharge Facilities, together with necessary access rights. Applicant would prefer to acquire these property interests through conventional purchases, but is prepared to exercise its condemnation rights under its enabling statute and California's Eminent Domain Law if necessary. In the case of property owned by another public agency or otherwise dedicated to a public use, Applicant will endeavor to negotiate common use agreements to accommodate the proposed Conveyance and recharge Facilities.

Attachment No. 8 [For Item 17]

Applicant anticipates that it will need to coordinate with the U.S. Army Corps of Engineers, as the Lake is under lease by the County of San Luis Obispo from the Corps.

Attachment No. 9 [For Item 21]

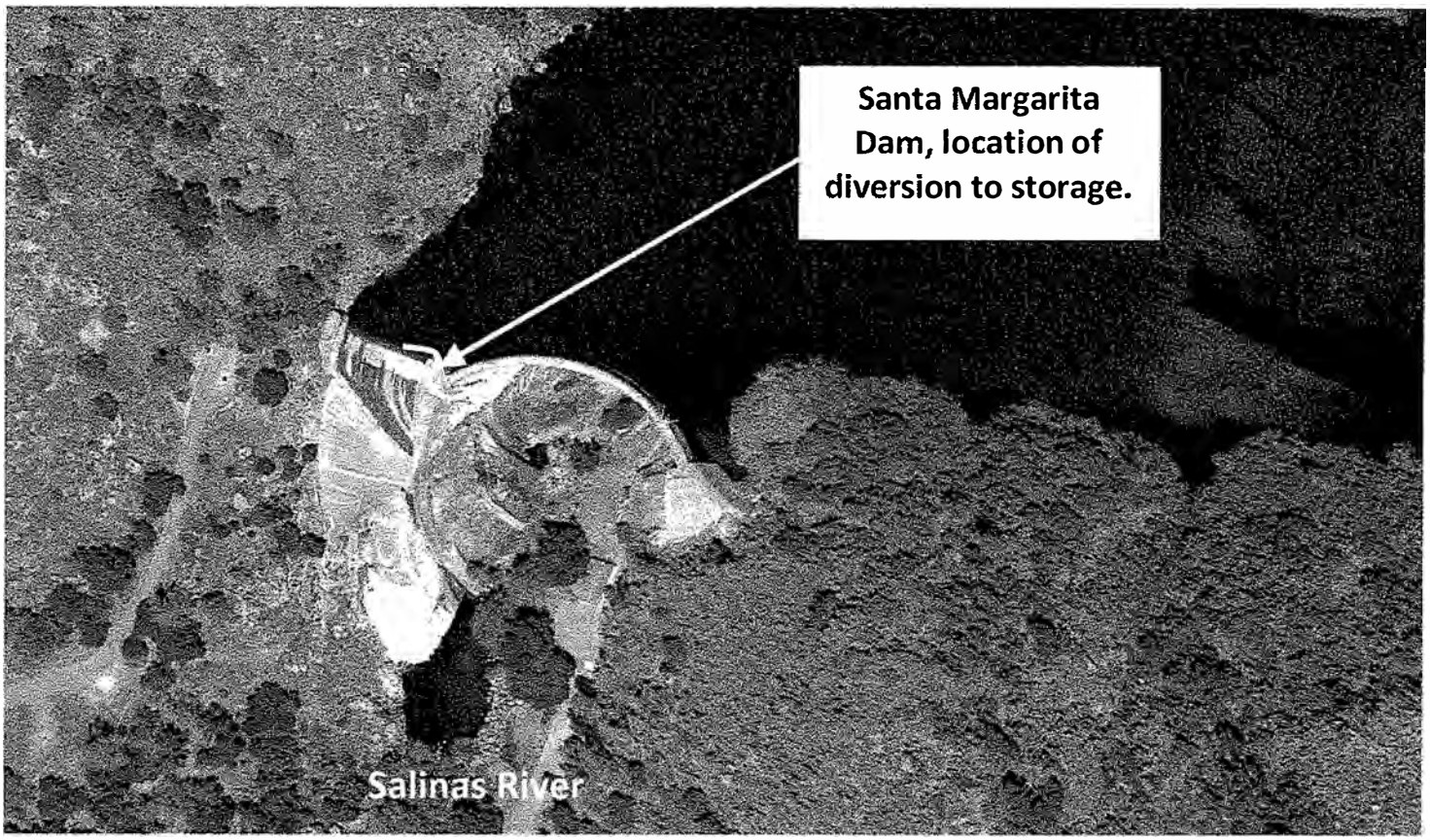


Photo along Salinas River immediately downstream from the proposed point of diversion, dated June 7, 2019.

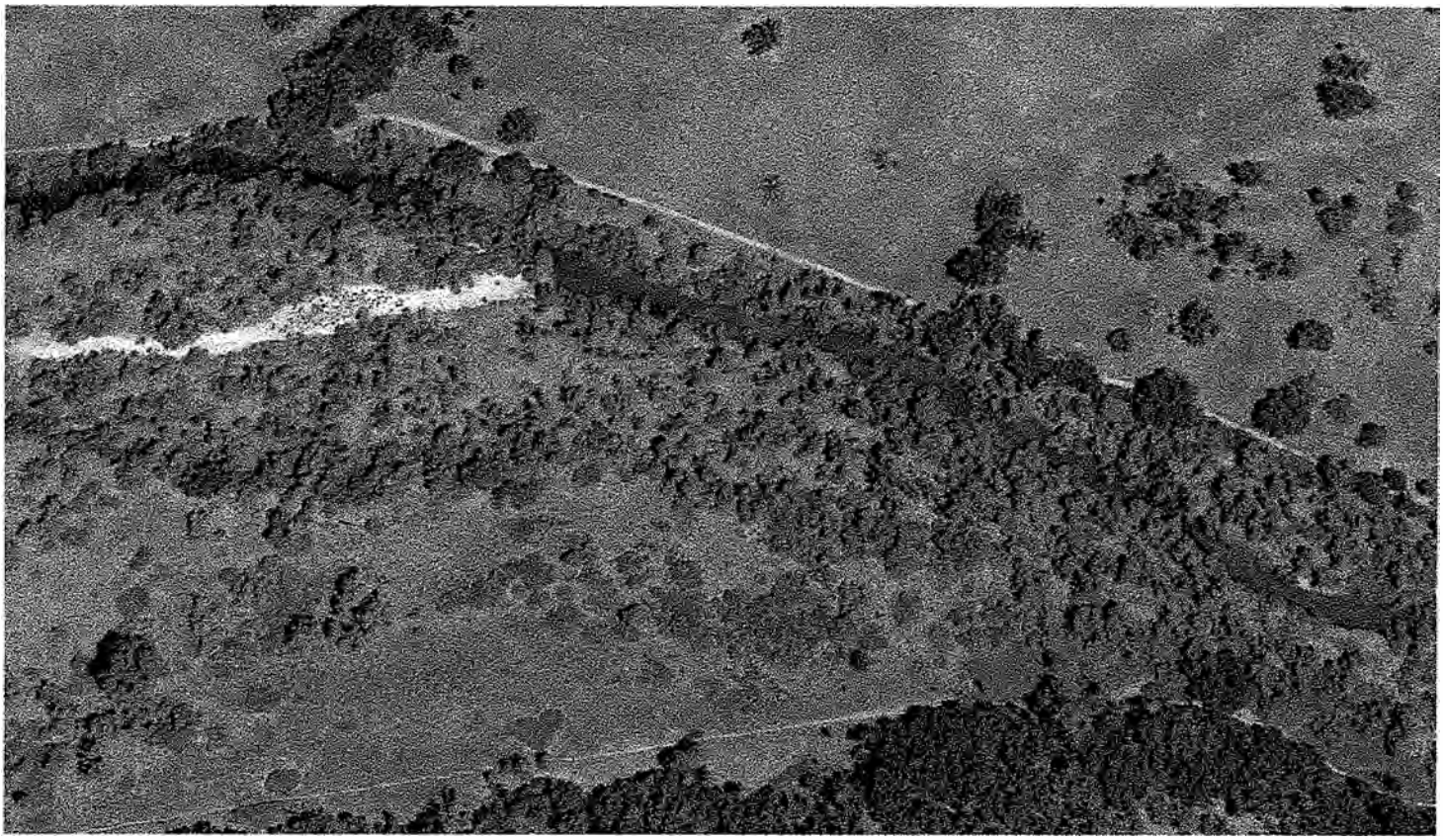


Photo along Salinas River immediately upstream from the proposed point of diversion, dated June 7, 2019.

Photo of Santa Margarita Lake, proposed diversion location, dated June 7, 2019.

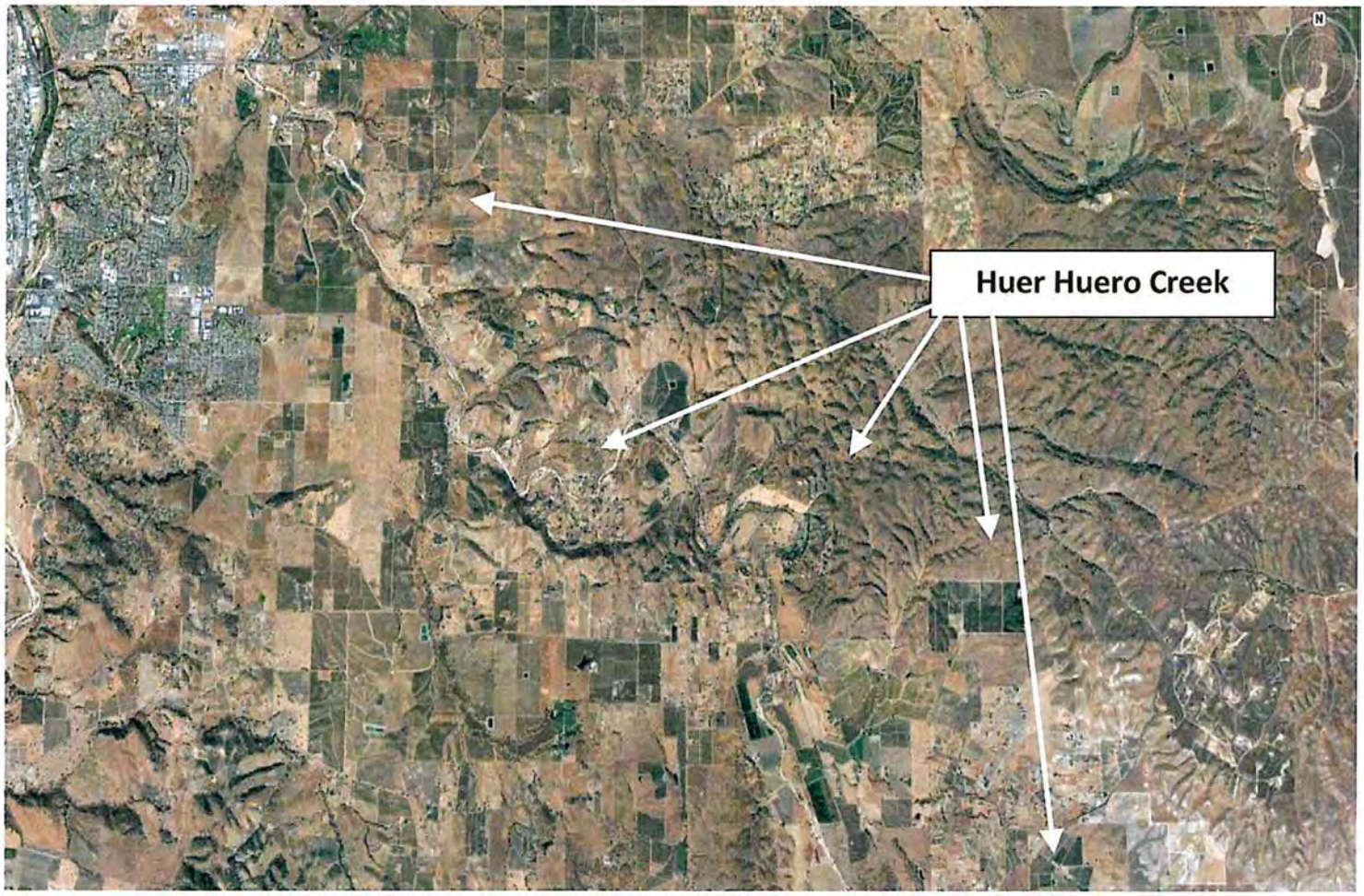


Photo along Huer Huero Creek, dated September 7, 2018.

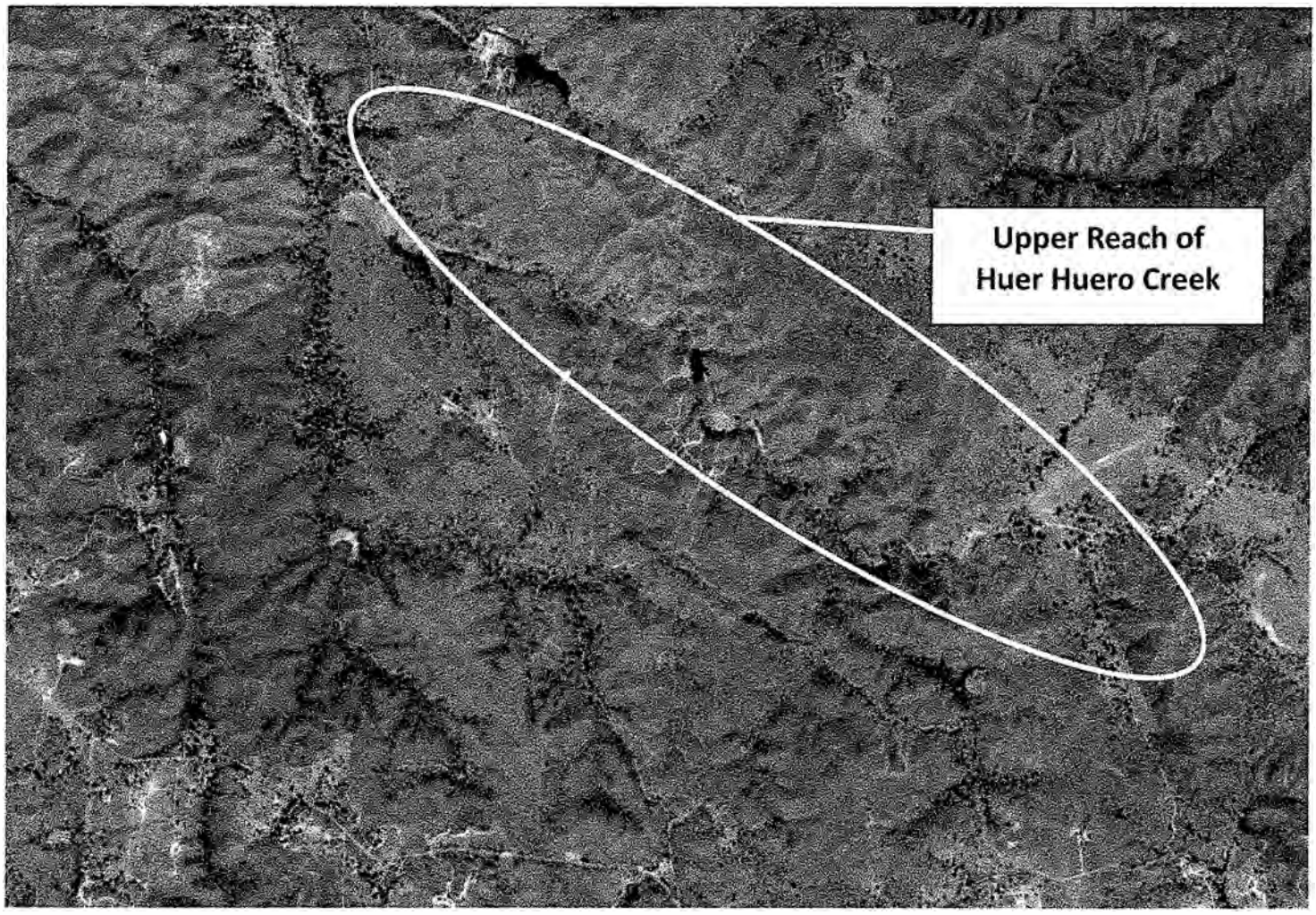


Photo along Upper Reach of Huer Huero Creek, dated June 7, 2019.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Attachment No. 9 [For Item 21]

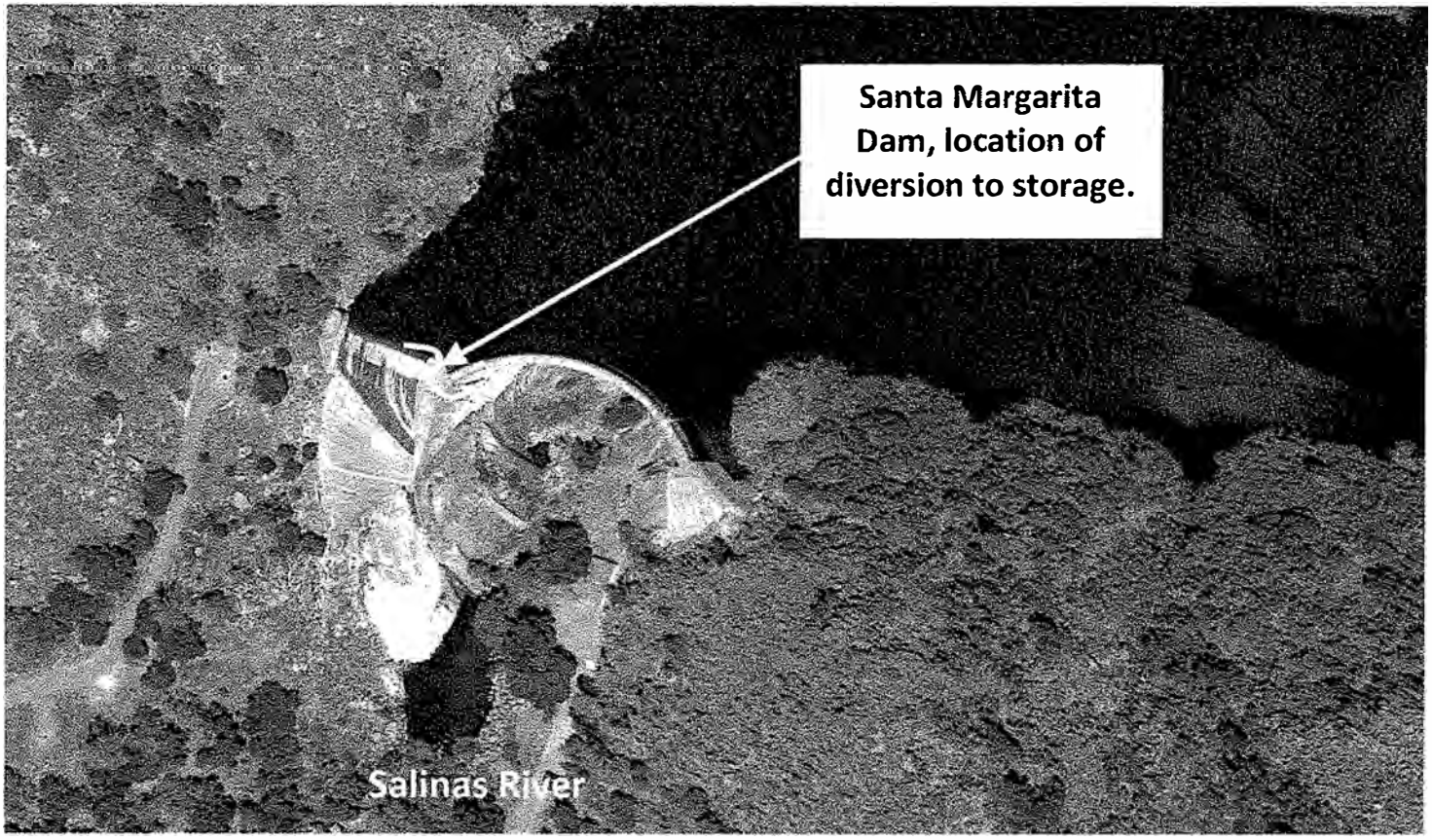


Photo along Salinas River immediately downstream from the proposed point of diversion, dated June 7, 2019.

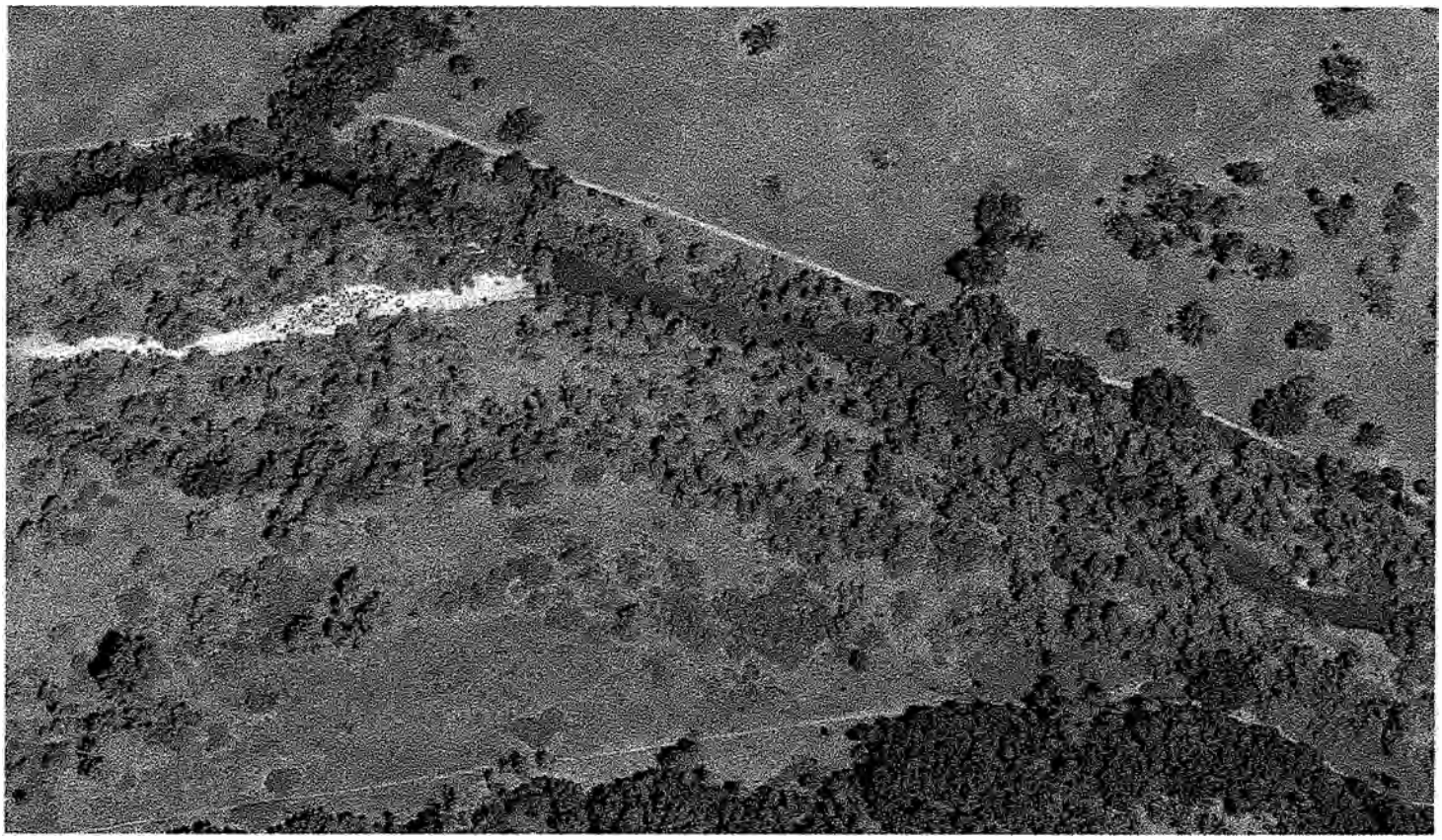


Photo along Salinas River immediately upstream from the proposed point of diversion, dated June 7, 2019.

Photo of Santa Margarita Lake, proposed diversion location, dated June 7, 2019.

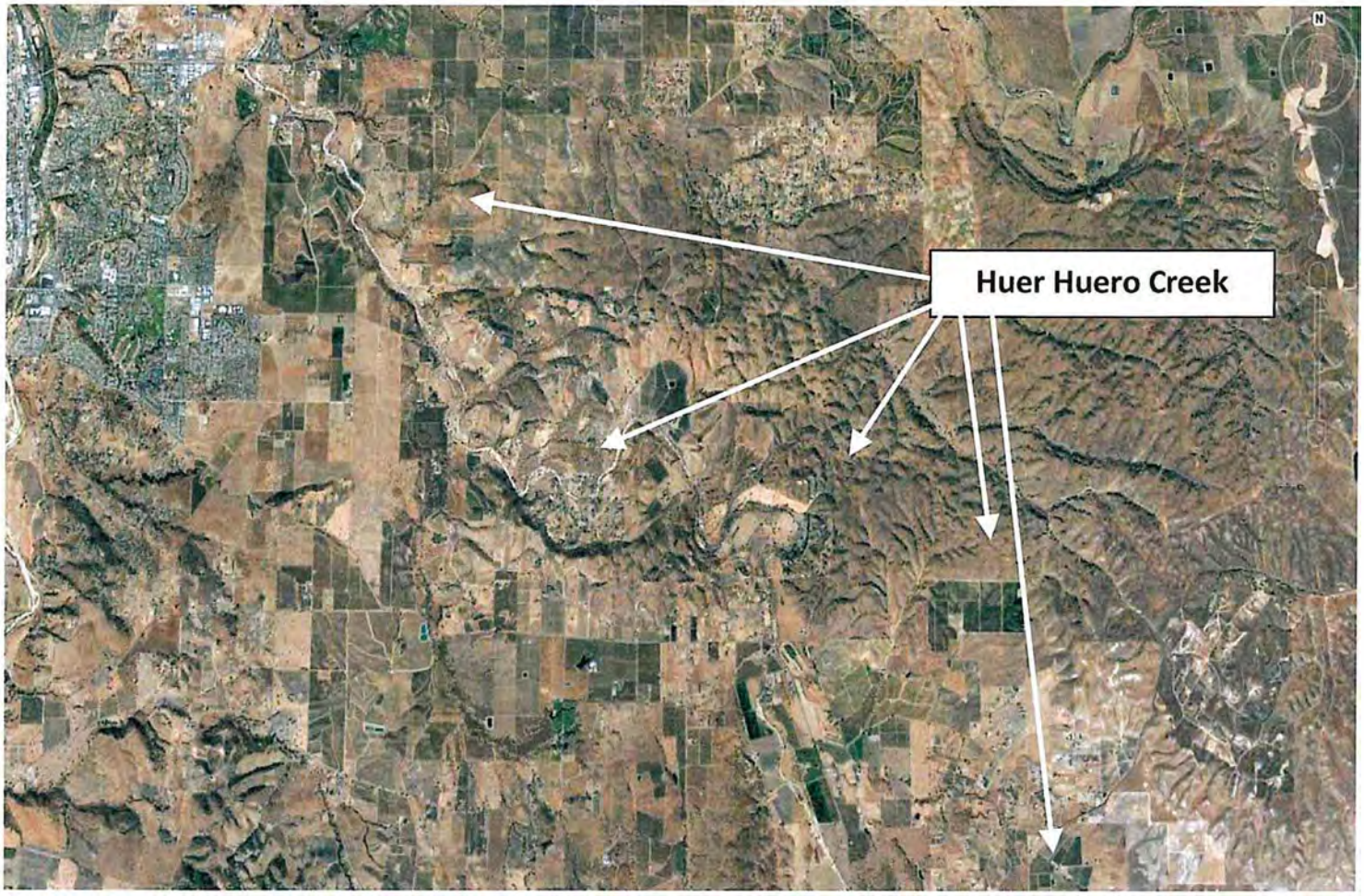


Photo along Huer Huero Creek, dated September 7, 2018.

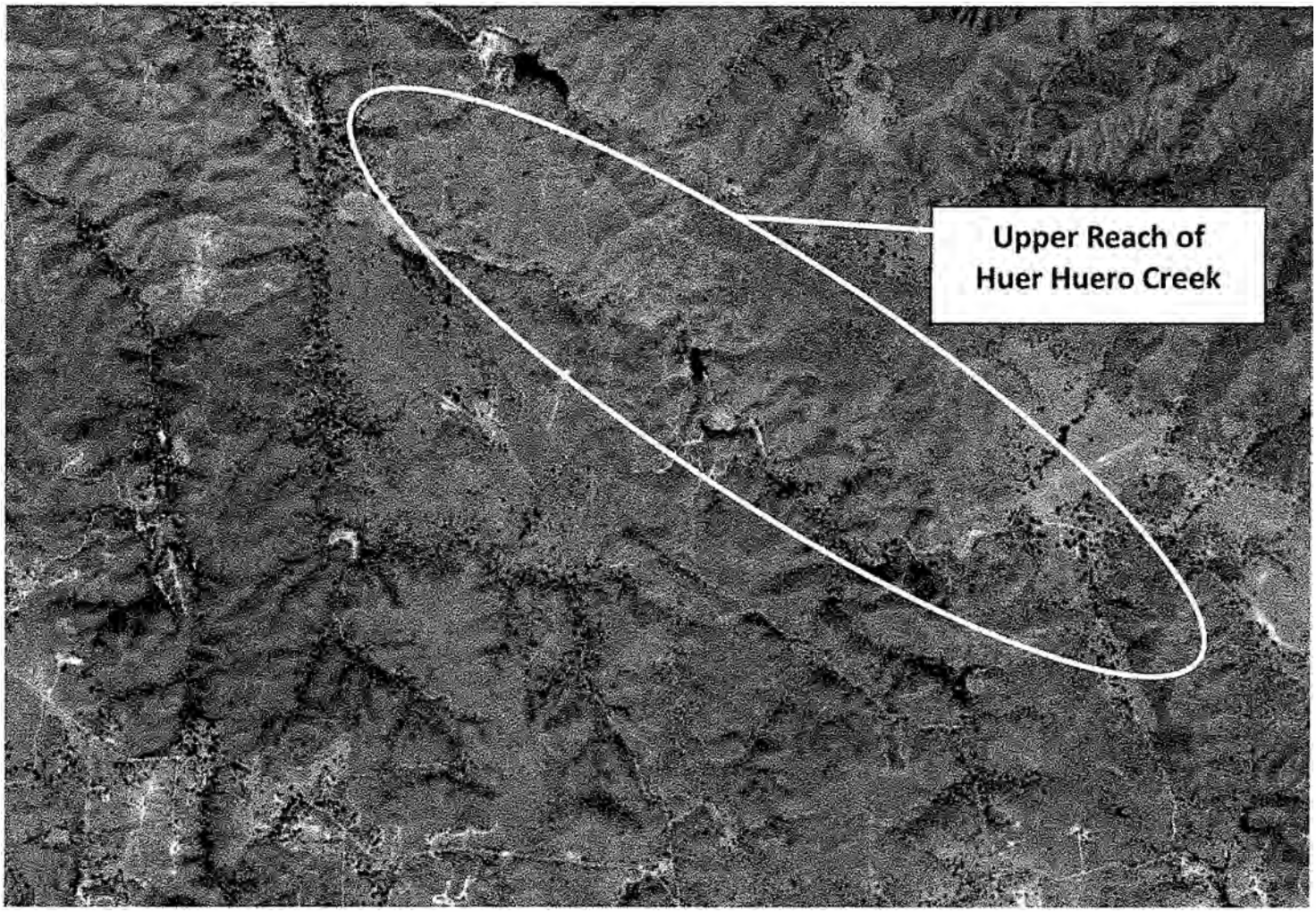


Photo along Upper Reach of Huer Huero Creek, dated June 7, 2019.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.

Photo of District, proposed Place of Use.