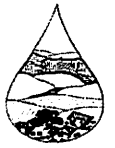


SOLANO COUNTY WATER AGENCY



BOARD OF DIRECTORS MEETING

BOARD OF DIRECTORS:

Chair:

Mayor Pete Sanchez
City of Suisun City

Vice Chair:

Director John D. Kluge
Solano Irrigation District

Mayor Elizabeth Patterson
City of Benicia

Mayor Thom Bogue
City of Dixon

Mayor Harry Price
City of Fairfield

Director Ryan Mahoney
Maine Prairie Water
District

Director Dale Crossley
Reclamation District No.
2068

Mayor Ron Kott
City of Rio Vista

Supervisor Erin Hannigan
Solano County District 1

Supervisor Monica Brown
Solano County District 2

Supervisor Jim Spering
Solano County District 3

Supervisor Skip Thomson
Solano County District 5

Supervisor John Vasquez
Solano County District 4

Mayor Len Augustine
City of Vacaville

Mayor Bob Sampayan
City of Vallejo

GENERAL MANAGER:

Roland Sanford
Solano County Water
Agency

DATE: Thursday, January 11, 2018

TIME: 6:30 P.M.

PLACE: Berryessa Room
Solano County Water Agency Office
810 Vaca Valley Parkway, Suite 203
Vacaville

1. **CALL TO ORDER**

2. **PLEDGE OF ALLEGIANCE**

3. **APPROVAL OF AGENDA**

4. **PUBLIC COMMENT**

Limited to 5 minutes for any one item not scheduled on the Agenda.

5. **ELECTION OF OFFICERS AND APPOINTMENT OF
EXECUTIVE COMMITTEE FOR 2018**

6. **CONSENT ITEMS** *(estimated time: 5 minutes)*

(A) **Minutes:** Approval of the Minutes of the Board of Directors meeting of December 14, 2017 is recommended.

(B) **Expenditure Approvals:** Approval of the December 2017 checking account register is recommended.

(C) **Contract with Integrated Environmental Restoration Services for Putah South Canal Sediment Reuse Study:** Authorize General Manager to execute \$48,000 contract with Integrated Environmental Services to investigate feasibility of using Putah South Canal sediment as a soil amendment.

(D) **Authorize Purchase of Telemetry Equipment for Ongoing Putah Creek Chinook Salmon Study.** Authorize General Manager to purchase telemetry equipment to monitor movement of salmon to/from Lower Putah Creek (total cost not to exceed \$30,000).



7. **BOARD MEMBER REPORTS** *(estimated time: 5 minutes)*

RECOMMENDATION: For information only

8. **GENERAL MANAGER'S REPORT** *(estimated time: 5 minutes)*

RECOMMENDATION: For information only.

9. **SOLANO WATER ADVISORY COMMISSION REPORT** *(estimated time: 5 minutes)*

RECOMMENDATION: For information only.

10. **NOMINATIONS FOR SPECIAL DISTRICT MEMBER POSITION ON COUNTY-WIDE REDEVELOPMENT OVERSIGHT BOARD** *(estimated time: 10 minutes)*

RECOMMENDATION:

1. Nominate SCWA Board member for election to county-wide Redevelopment Oversight Board

11. **APPOINTMENT OF LEGISLATIVE AND WATER POLICY COMMITTEES** *(estimated time: 10 minutes)*

RECOMMENDATION:

1. Appoint Legislative and Water Policy committees and establish respective meeting calendars

12. **LEGISLATIVE UPDATES** *(estimated time: 5 minutes)*

RECOMMENDATION:

1. Hear report from Committee Chair on activities of the SCWA Legislative Committee.

13. **WATER POLICY UPDATES** *(estimated time: 10 minutes)*

RECOMMENDATION:

1. Hear report from staff on current and emerging Delta and Water Policy issues and provide direction.
2. Hear status report from Committee Chair on activities of the SCWA Water Policy Committee.
3. Hear report from Supervisor Thomson on activities of the Delta Counties Coalition, Delta Protection Commission, and Delta Stewardship Council.
4. Hear report from Mayor Patterson on activities of the Delta Conservancy.

14. **TIME AND PLACE OF NEXT MEETING**

Thursday, February 8, 2018 at 6:30 p.m. at the SCWA offices.

The Full Board of Directors packet with background materials for each agenda item can be viewed on the Agency's website at www.scwa2.com.

Any materials related to items on this agenda distributed to the Board of Directors of Solano County Water Agency less than 72 hours before the public meeting are available for public inspection at the Agency's offices located at the following address: 810 Vaca Valley Parkway, Suite 203, Vacaville, CA 95688. Upon request, these materials may be made available in an alternative format to persons with disabilities.

JAN.2018.bod.agd

SOLANO COUNTY WATER AGENCY

MEMORANDUM



Agenda Item No. 5

TO: Board of Directors

FROM: Roland Sanford, General Manager

DATE: January 4, 2018

SUBJECT: Elections of Officers and Appointment of Executive Committee for 2018

At the January Board of Directors meeting the Board will elect a Chair and Vice Chair for the 2018 calendar year. The Chair and Vice Chair for 2017 were Mayor Pete Sanchez and Director John Kluge, respectively.

Past practice has been that the Chair and Vice Chair positions rotate among the three general Board member categories; County Board of Supervisors, Mayors, and Agricultural District Directors. If past practice follows, in 2018 a Agricultural District Director would be Chair and a County Supervisor would be Vice Chair.

The Executive Committee is appointed by the newly elected Chair. The Executive Committee reviews the Board Agenda prior to Board meetings with the General Manager and handles other tasks as requested by the Board of Directors, such as reviewing the Agency's budget. The Executive Committee is made up of the Chair, Vice-Chair, and three other Board members – a Mayor, a County Supervisor, and an Agricultural District Director. The 2017 Executive Committee members were as follows:

2017 Executive Committee

Chairman, Pete Sanchez
Vice Chairman, John Kluge
Mayor Norman Richardson
Supervisor Skip Thomson
Ag District Director Ryan Mahoney



If past practice is followed the 2017 Executive Committee would be comprised of:

2018 Executive Committee
Chair – Ag District Director
Vice Chair – County Supervisor
County Supervisor
Ag District Director
Mayor

If you have any questions, please contact me at 455-1103.

Past SCWA Executive Committees

2017

Mayor Pete Sanchez, Chair
Director John Kluge, Vice Chair
Mayor Norman Richardson
Supervisor Skip Thomson
Director Ryan Mahoney

2016

Supervisor Erin Hannigan, Chair
Mayor Pete Sanchez, Vice Chair
Mayor Jack Batchelor
Supervisor Jim Spering
Director John Kluge

2015

Director Dale Crossley, Chair
Supervisor Erin Hannigan, Vice Chair
Mayor Jack Batchelor
Supervisor Jim Spering
Mayor Harry Price

2014

Mayor Harry Price, Chair
Director Dale Crossley, Vice Chair
Mayor Jack Batchelor
Supervisor Jim Spering
Supervisor Erin Hannigan

2013

Supervisor Jim Spering, Chair
Mayor Harry Price, Vice Chair
Mayor Jack Batchelor
Director Dale Crossley
Supervisor Erin Hannigan

2012

Director Bob Bishop, Chair
Supervisor Jim Spering, Vice Chair
Mayor Jack Batchelor
Mayor Pete Sanchez
Mayor Harry Price

2011

Mayor Jack Batchelor, Chair
Director Bob Bishop, Vice Chair
Supervisor Jim Spering
Manager Don Holdener
Mayor Harry Price

2010

Supervisor Mike Reagan, Chair
Mayor Jack Batchelor, Vice Chair
Supervisor Barbara Kondylis
Director Everett Whiting
Mayor Len Augustine

CONSENT ITEMS

**SOLANO COUNTY WATER AGENCY
BOARD OF DIRECTORS MEETING MINUTES**

MEETING DATE: December 14, 2017

The Solano County Water Agency Board of Directors met this evening at the Solano County Water Agency office in Vacaville. Present were:

Mayor Elizabeth Patterson, City of Benicia
Mayor Thom Bogue, City of Dixon
Mayor Harry Price, City of Fairfield
Mayor Ronald Kott, City of Rio Vista
Mayor Pete Sanchez, Suisun City
Mayor Bob Sampayan, City of Vallejo
Supervisor Monica Brown, Solano County District 2
Supervisor James Spering, Solano County District 3
Supervisor John Vasquez, Solano County District 4
Manager Don Holdener, Maine Prairie Water District
Manager Bran Busch, Reclamation District 2068
Director John Kluge, Solano Irrigation District

CALL TO ORDER

The meeting was called to order at 6:30 P.M. by Chair Sanchez.

APPROVAL OF AGENDA

On a motion by Supervisor Vasquez and second by Mayor Price the Board unanimously approved the agenda.

PUBLIC COMMENT

Jack Batchelor, Field Representative for Congressman John Garamendi, stated that Congressman Garamendi supports the Jerry Meral Water Bond Initiative and that the Congressman's office will be sending a formal letter of support for the Jerry Meral Water Bond Initiative to constituent water agencies, NGO's, and local government agencies.

Bill Biasi, Mayor Pro-Tempore of Winters, expressed his and the Winters City Council's strong support for the Winters Putah Creek Park Phase III Restoration Project. He noted that the City has held numerous meetings on the Phase III and the related Phase I and Phase II elements of the Winters Putah Creek Park Restoration Project, and that there has been a tremendous increase in the number of people using the Park since Phase I and Phase II were completed.

CONSENT ITEMS

Chair Sanchez pulled Consent Item 5C for further discussion to accommodate a member of the public, Maura Metz, who wished to speak on the item.

On a motion by Supervisor Vasquez and a second by Director Kluge the Board unanimously approved Consent Items:

- (5A) Minutes.
- (5B) Expenditure Approvals.
- (5D) Contract with Kennedy Jenks Consultants for update to Westside Integrated Regional Water Management Plan.

Maura Metz, representing The Friends of Putah Creek, expressed concerns regarding the proposed contract amendment with UC Davis for geomorphological services in support of Lower Putah Creek Restoration Projects (Consent Item 5C) and the ongoing Winters Putah Creek Park Phase III Restoration Project. She stated it is her and the Friends of Putah Creek belief that the Winters Putah Creek Park Phase III Restoration Project has not satisfied many of the restoration goals it was intended to achieve and that the failure to achieve these restoration goals is attributable, at least in part, to the application of the same geomorphological

“theory-based” concepts outlined in Consent Item 5C – hence the concern regarding the proposed contract with UC Davis.

On a motion by Mayor Patterson and second by Supervisor Brown the Board unanimously approved Consent Item 5C:

- 5(C) Contract Amendment with UC Davis for Geomorphological Consulting Services in Support of Lower Putah Creek Restoration Projects.

BOARD MEMBER REPORTS

Chair Sanchez reported that he attended the recent ACWA Fall Conference in Southern California. He noted that the ACWA-JPIA is exploring investment alternatives to LAIF in the hopes of achieving larger investment returns, and that he had the opportunity to attend a special screening of a documentary, “Beyond the Brink”, that addresses the prospects of a world-wide future where water, food and other natural resources teeter on the edge of unsustainability. Chair Sanchez also reported that at the conference it was announced that ACWA is supporting the SB-5 Water Bond and the Jerry Meral Water Bond Initiative.

GENERAL MANAGER’S REPORT

General Manager Roland Sanford referenced the information in his written report regarding a new element of the ongoing Water-Efficient Landscape Rebate Program that is directed toward residents with limited incomes and/or disabilities, and expressed hope that if successful, the program could be incorporated with other county and private sector programs directed toward low income households and senior citizens.

In addition to his written report, General Manager Roland Sanford distributed a letter recently received from ACWA-JPIA commending the Water Agency for minimizing insurance claims over the past year. He also referenced the comments Jack Bachelor made earlier in the evening – under Public Comment - and noted that the Jerry Meral Water Bond Initiative that Congressman Garamendi is supporting includes five million dollars for the NBA Alternate Intake Project.

SOLANO WATER ADVISORY COMMISSION

There was no verbal report, the minutes of the December 5, 2017 Solano Water Advisory Commission meeting were included in the Board’s meeting agenda packet

LAKE BERRYESSA BOATER OUTREACH PROGRAM

The Water Agency interns gave a brief presentation on the 2017 Lake Berryessa Boater Outreach Program. The primary goal of the Lake Berryessa Boater Outreach Program is to prevent the introduction of quagga, zebra, and other invasive species into Lake Berryessa. Neither quagga nor zebra mussels are native to North America. Both mussels are extremely prolific and by sheer numbers, capable of severely fouling water conveyance facilities and causing significant ecological damage. If or when quagga and/or zebra mussel populations become established in Lake Berryessa, they are likely to spread to Lower Putah Creek, the Putah South Canal, and any water body that ultimately receives agricultural return flow water that originates from Lake Berryessa, including the Cache Slough Complex and Barker Slough (source water for North Bay Aqueduct).

In response to the increasing threat of zebra and quagga mussel infestations, the Lake Berryessa Boater Outreach Program has expanded in scope over the last three years and in 2017 involved twelve seasonal interns, contracted services to assist with day to day supervision of interns, and operation of a mobile boat wash station – total program cost of approximately \$300,000, approximately half of which was grant funded.

Staff outlined its proposal to modify and expand certain aspects of the Lake Berryessa Boater Outreach Program in 2018:

- Item 9(a) Hire a seasonal Water Resources Technician to supervise interns conducting mussel inspections and/or operating boat decontamination equipment in lieu of contracting with Solano Resource Conservation District for said supervision services

- Item 9(b) Purchase Watercraft Seals to facilitate boat inspections
- Item 9(c) Investigate feasibility of purchasing property in or near Lake Berryessa watershed for operation of permanent decontamination station

Supervisor Sperring questioned why it was even necessary for staff to request Board authorization to investigate the feasibility of purchasing property in Napa County for a boat decontamination facility. General Manager Roland Sanford explained that staff wanted to be sure the Board was comfortable with a possible land purchase, for Water Agency purposes, outside of Solano County. Supervisor Sperring requested that in addition to a possible purchase, staff also explore the feasibility of renting or leasing property for the proposed boat decontamination facility.

On a motion by Mayor Patterson and a second by Mayor Price the Board unanimously approved:

- Item 9(a) The hiring of a seasonal Water Resources Technician to supervise interns conducting mussel inspections and/or operating boat decontamination
- Item 9(b) The purchase of approximately 50,000 Watercraft Seals at a cost not to exceed \$13,000 to facilitate boat inspections
- Item 9(c) Authorized staff to investigate the feasibility of purchasing, leasing or renting property in or near Lake Berryessa watershed for operation of permanent decontamination station

LEGISLATIVE UPDATES

No report, the Legislative Committee's December meeting was cancelled.

WATER POLICY UPDATES

1. No report by staff on current and emerging Delta and Water Policy issues.
2. No report by the Water Policy Committee, the December meeting has been postponed.
3. No report on the Delta Counties Coalition, Delta Protection Commission, or Delta Stewardship Council meetings or activities by Supervisor Thomson.
4. Mayor Patterson reported that at the last Delta Conservancy meeting there was a presentation on the Conservancy's Strategic Plan and Implementation Plan. She also reported that Roberta Goulart of Solano County provided an update on the ongoing Cache Slough planning effort lead by the Conservancy.

TIME AND PLACE OF NEXT MEETING

Thursday, January 11, 2018 at 6:30 p.m., at the SCWA offices in Vacaville

ADJOURNMENT

This meeting of the Solano County Water Agency Board of Directors was adjourned at 7:15 p.m.

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 11, 2018
SUBJECT: Expenditures Approval

RECOMMENDATIONS:

Approve expenditures from the Water Agency checking accounts for the month of December, 2017.

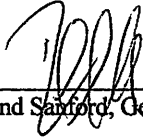
FINANCIAL IMPACT:

All expenditures are within previously approved budget amounts.

BACKGROUND:

The Water Agency auditor has recommended that the Board of Directors approve all expenditures (in arrears). Attached is a summary of expenditures from the Water Agency's checking accounts for the month of December, 2017. Additional backup information is available upon request.

Recommended: _____


Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

☐

Continued on
next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 11, 2018 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

SOLANO COUNTY WATER AGENCY
Cash Disbursements Journal
For the Period From Dec 1, 2017 to Dec 31, 2017

Filter Criteria includes: Report order is by Check Number. Report is printed in Detail Format.

Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
12/4/1	30979	2020SC 1020SC	Invoice: 205372 A & L WESTERN AGRICULTURAL LABS	36.00	36.00
12/4/1	30980	2020SC 1020SC	Invoice: INV-17397-C5J0H6 ACWA	840.00	840.00
12/4/1	30981	2020SC 1020SC	Invoice: 130218 BYRO TECHNOLOGIES	25,150.00	25,150.00
12/4/1	30982	2020N 1020SC	Invoice: DEC 2017 CLEAN TECH ADVOCATES	8,600.00	8,600.00
12/4/1	30983	2020SC 1020SC	Invoice: 2017/2018 FLOOD JASON COLEMAN	13,600.00	13,600.00
12/4/1	30984	2020U 2020U 1020SC	Invoice: 34752757 Invoice: 34769543 CROP PRODUCTION SERVICES, INC.	9,524.61 1,189.13	10,713.74
12/4/1	30985	2020SC 1020SC	Invoice: 147324 DEPT OF FORESTRY & FIRE PROTECTION	342.60	342.60
12/4/1	30986	2020SC 1020SC	Invoice: 93378486 ENVIRONMENTAL SYSTEMS RESEARCH INSTITUT	3,766.88	3,766.88
12/4/1	30987	2020SC 1020SC	Invoice: 90538 GHD, INC.	11,324.50	11,324.50
12/4/1	30988	2020SC 1020SC	Invoice: ER7746446010 HOLT OF CALIFORNIA	7,482.08	7,482.08
12/4/1	30989	2020SC 1020SC	Invoice: CL75191 INTERSTATE OIL COMPANY	1,009.23	1,009.23
12/4/1	30990	2020SC 1020SC	Invoice: 65810 NORMANDEAU ASSOCIATES, INC.	18,748.12	18,748.12
12/4/1	30991	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 240080 Invoice: 978990 Invoice: 979459 Invoice: 240679 Invoice: 240796 Invoice: 980863 Invoice: 241514 Invoice: 241626 PACIFIC ACE HARDWARE	11.45 302.75 90.37 24.10 80.97 35.48 66.56 10.67	622.35
12/4/1	30991V	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 240080 Invoice: 978990 Invoice: 979459 Invoice: 240679 Invoice: 240796 Invoice: 980863 Invoice: 241514 Invoice: 241626 PACIFIC ACE HARDWARE	11.45 302.75 90.37 24.10 80.97 35.48 66.56 10.67	622.35
12/4/1	30992	2020SC 1020SC	Invoice: 1841123 RAY MORGAN COMPANY	46.56	46.56
12/4/1	30993	2020SC 1020SC	Invoice: 1255 ROCK STEADY JUGGLING	750.00	750.00
12/4/1	30994	2020SC 2020SC 1020SC	Invoice: 001113 Invoice: 002778 SAM'S CLUB	355.44 159.97	515.41
12/4/1	30995	2020SC 2020SC 1020SC	Invoice: 57105983 Invoice: 57106010 SBS LEASING A PROGRAM DE LAGE	978.72 77.67	1,056.39
12/4/1	30996	2020SC 1020SC	Invoice: 1162 SOLANO RESOURCE CONSERVATION DISTRICT	5,050.38	5,050.38

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
			DISTRICT		
12/4/1	30997	2020SC	Invoice: 1925558041	136.71	
		2020SC	Invoice: 1933231421	27.97	
		2020SC	Invoice: 1933867861	63.51	
		2020SC	Invoice: 1933872121	102.02	
		2020SC	Invoice: 1933872401	20.76	
		2020SC	Invoice: 1935183691	11.23	
		2020SC	Invoice: 1935658981	142.48	
		2020SC	Invoice: 1937314231	195.10	
		2020SC	Invoice: 1933876381	43.04	
		2020SC	Invoice: 1939034091	118.12	
		2020SC	Invoice: 1939938201	111.97	
		2020SC	Invoice: 1942203511	39.60	
		2020SC	Invoice: 1942214801	33.98	
		2020SC	Invoice: 1942462601	9.49	
		1020SC	STAPLES		1,055.98
12/4/1	30997V	2020SC	Invoice: 1925558041		136.71
		2020SC	Invoice: 1933231421		27.97
		2020SC	Invoice: 1933867861		63.51
		2020SC	Invoice: 1933872121		102.02
		2020SC	Invoice: 1933872401		20.76
		2020SC	Invoice: 1935183691		11.23
		2020SC	Invoice: 1935658981		142.48
		2020SC	Invoice: 1937314231		195.10
		2020SC	Invoice: 1933876381		43.04
		2020SC	Invoice: 1939034091		118.12
		2020SC	Invoice: 1939938201		111.97
		2020SC	Invoice: 1942203511		39.60
		2020SC	Invoice: 1942214801		33.98
		2020SC	Invoice: 1942462601		9.49
		1020SC	STAPLES	1,055.98	
12/4/1	30998	2020SC	Invoice: 0002 8391 646	65,583.90	
		2020SC	Invoice: 0002 8469 740	4,212.68	
		2020SC	Invoice: 0002 8219 403	1,879.47	
		1020SC	STATE BOARD OF EQUALIZATION		71,676.05
12/4/1	30999	2020SC	Invoice: STACEY ALLESANDRO-AC	595.00	
		1020SC	STACEY ALLESANDRO-ACOSTA		595.00
12/4/1	31000	2020SC	Invoice: ROBERT OSBORNE	1,000.00	
		1020SC	ROBERT OSBORNE		1,000.00
12/4/1	31001	2020SC	Invoice: JEFF SKINNER	858.00	
		1020SC	JEFF SKINNER		858.00
12/4/1	31002	2020SC	Invoice: 15231	1,095.00	
		1020SC	WESTERN WEATHER GROUP		1,095.00
12/4/1	31003	2020SC	Invoice: 33690	557.00	
		1020SC	YOLO-SOLANO AQMD		557.00
12/4/1	31004	2020SC	Invoice: 240080	11.45	
		2020SC	Invoice: 978990	302.75	
		2020SC	Invoice: 979459	90.37	
		2020SC	Invoice: 240679	24.10	
		2020SC	Invoice: 240796	80.97	
		2020SC	Invoice: 980863	35.48	
		1020SC	PACIFIC ACE HARDWARE		545.12
12/4/1	31005	2020SC	Invoice: 1925558041	136.71	
		2020SC	Invoice: 1933231421	27.97	
		2020SC	Invoice: 1933872121	102.02	
		2020SC	Invoice: 1933867861	63.51	
		2020SC	Invoice: 1933872401	20.76	
		2020SC	Invoice: 1935183691	11.23	
		2020SC	Invoice: 1935658981	142.48	
		2020SC	Invoice: 1937314231	195.10	
		2020SC	Invoice: 1933876381	43.04	
		2020SC	Invoice: 1939034091	118.12	
		2020SC	Invoice: 1939938201	111.97	
		2020SC	Invoice: 1942214801	33.98	

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
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		2020SC	Invoice: 1942462601	9.49	
		2020SC	Invoice: FIN CHARGE 11/15/17	14.24	
		1020SC	STAPLES		1,070.22
12/5/1	31005V	2020SC	Invoice: 1925558041		136.71
		2020SC	Invoice: 1933231421		27.97
		2020SC	Invoice: 1933872121		102.02
		2020SC	Invoice: 1933867861		63.51
		2020SC	Invoice: 1933872401		20.76
		2020SC	Invoice: 1935183691		11.23
		2020SC	Invoice: 1935658981		142.48
		2020SC	Invoice: 1937314231		195.10
		2020SC	Invoice: 1933876381		43.04
		2020SC	Invoice: 1939034091		118.12
		2020SC	Invoice: 1939938201		111.97
		2020SC	Invoice: 1942214801		33.98
		2020SC	Invoice: 1942203511		39.60
		2020SC	Invoice: 1942462601		9.49
		2020SC	Invoice: FIN CHARGE 11/15/17		14.24
		1020SC	STAPLES	1,070.22	
12/5/1	31006	2020SC	Invoice: 1925558041	136.71	
		2020SC	Invoice: 1933231421	27.97	
		2020SC	Invoice: 1933867861	63.51	
		2020SC	Invoice: 1933872121	102.02	
		2020SC	Invoice: 1933872401	20.76	
		2020SC	Invoice: 1935183691	11.23	
		2020SC	Invoice: 1935658981	142.48	
		2020SC	Invoice: 1937314231	195.10	
		2020SC	Invoice: 1933876381	43.04	
		2020SC	Invoice: 1939034091	118.12	
		2020SC	Invoice: 1939938201	111.97	
		2020SC	Invoice: 1942203511	39.60	
		2020SC	Invoice: 1942214801	33.98	
		2020SC	Invoice: 1942462601	9.49	
		2020SC	Invoice: FIN CHARGE 11/15/17	14.24	
		2020SC	Invoice: 1903891811-A	0.10	
		1020SC	STAPLES		1,070.32
12/7/1	31007	2020SC	Invoice: 0522766	1,522.56	
		1020SC	ACWA JOINT POWERS INSURANCE AUTHORITY		1,522.56
12/7/1	31008	2020SC	Invoice: IN-1171187926	405.00	
		1020SC	ALPHA MEDIA II LLC		405.00
12/7/1	31009	2020SC	Invoice: 2581179	578.26	
		1020SC	AMERICAN TOWER CORPORATION		578.26
12/7/1	31010	2020SC	Invoice: 300010344	227.50	
		2020SC	Invoice: 300010481	227.50	
		2020SC	Invoice: 300010702	227.50	
		1020SC	DAILY REPUBLIC, INC.		682.50
12/7/1	31011	2020SC	Invoice: 2017/18-#4	4,200.00	
		1020SC	DAVID OKITA		4,200.00
12/7/1	31012	2020SC	Invoice: 4879442	1,156.79	
		1020SC	EVERBANK COMMERCIAL FINANCE		1,156.79
12/7/1	31013	2020SC	Invoice: 19835341	525.00	
		1020SC	EXPRESS EMPLOYEMENT PROFESSIONALS		525.00
12/7/1	31014	2020SC	Invoice: 1-634-50892	8.86	
		1020SC	FEDEX EXPRESS		8.86
12/7/1	31015	2020SC	Invoice: 72847	1,160.00	
		2020SC	Invoice: 72846	5,075.00	
		1020SC	INTEGRATED ENVIRONMENTAL RESTORATION		6,235.00
12/27/	31015V	2020SC	Invoice: 72847		1,160.00
		2020SC	Invoice: 72846		5,075.00

SOLANO COUNTY WATER AGENCY
Cash Disbursements Journal
For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
		1020SC	INTEGRATED ENVIRONMENTAL RESTORATION	6,235.00	
12/7/1	31016	2020SC 1020SC	Invoice: 18650 LAUGENOUR AND MEIKLE	4,466.25	4,466.25
12/8/1	31016V	2020SC 1020SC	Invoice: 18650 LAUGENOUR AND MEIKLE	4,466.25	4,466.25
12/7/1	31017	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 774254 Invoice: 774506 Invoice: 775158 Invoice: 775111 Invoice: 775228 Invoice: 775673 PISANIS AUTO PARTS	111.95 17.72 2.46 42.31 11.25 198.34	384.03
12/7/1	31018	2020SC 1020SC	Invoice: 1130170229 SHANDAM CONSULTING	82.50	82.50
12/7/1	31019	2020U 1020SC	Invoice: NOV 2017 SOLANO COUNTY FLEET MANAGEMENT	279.02	279.02
12/7/1	31020	2020SC 2020SC 1020SC	Invoice: 0005979 Invoice: 0005980 SOLANO IRRIGATION DISTRICT	8,292.29 487.32	8,779.61
12/7/1	31021	2020U 2020U 2020U 1020SC	Invoice: 07007 Invoice: 07008 Invoice: 07009 SOLANO COUNTY PUBLIC WORKS DIVISION	9,787.11 43,870.49 1,137.65	54,795.25
12/7/1	31022	2020SC 1020SC	Invoice: 1168 SOLANO RESOURCE CONSERVATION DISTRICT	5,320.68	5,320.68
12/7/1	31023	2020SC 1020SC	Invoice: LPCCC PROP 1-2017-08 STREAMWISE	15,214.90	15,214.90
12/7/1	31024	2020SC 1020SC	Invoice: WILLIAM GARVIN WILLIAM GARVIN	663.00	663.00
12/7/1	31025	2020SC 1020SC	Invoice: CASSANDRA SNIPES CASSANDRA SNIPES	50.00	50.00
12/7/1	31026	2020SC 1020SC	Invoice: 001761 UNAVCO, INC.	184.08	184.08
12/8/1	31026V	2020SC 1020SC	Invoice: 001761 UNAVCO, INC.	184.08	184.08
12/7/1	31027	2020SC 1020SC	Invoice: 3 VIC CLAASSEN	6,991.94	6,991.94
12/11/	31028	2020SC 1020SC	Invoice: 205612 A & L WESTERN AGRICULTURAL LABS	36.00	36.00
12/11/	31029	2020SC 1020SC	Invoice: A730552 BSK ASSOCIATES	4,456.00	4,456.00
12/11/	31030	2020SC 1020SC	Invoice: DEC 2017 FCAC MTG RONALD CAMPBELL	32.49	32.49
12/11/	31031	2020SC 1020SC	Invoice: 53773 DIXON HARDWARE & LUMBER	457.64	457.64
12/11/	31032	2020SC 1020SC	Invoice: 4531 EYASCO, INC.	13,130.76	13,130.76
12/11/	31033	2020SC 1020SC	Invoice: 5-996-72227 FEDEX EXPRESS	403.38	403.38
12/11/	31034	2020SC 1020SC	Invoice: CL76511 INTERSTATE OIL COMPANY	838.21	838.21

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
12/11/	31035	2020N 1020SC	Invoice: 1107-2 JEFFREY J JANIK	600.00	600.00
12/11/	31036	2020SC 1020SC	Invoice: DEC 2017 FCAC MTG RONALD KOEHNE	25.00	25.00
12/11/	31037	2020SC 1020SC	Invoice: 18650 LAUGENOUR AND MEIKLE	4,316.25	4,316.25
12/11/	31038	2020SC 1020SC	Invoice: 511361 M&M SANITARY LLC	64.00	64.00
12/11/	31039	2020SC 1020SC	Invoice: 12/8/17 - REFILL PITNEY BOWES	1,510.00	1,510.00
12/11/	31040	2020SC 1020SC	Invoice: DEC 2017 FCAC MTG TERRY RIDDLE	38.21	38.21
12/11/	31041	2020SC 1020SC	Invoice: 999206 RON DUPRATT FORD	84.91	84.91
12/11/	31042	2020U 2020U 1020SC	Invoice: 07013 Invoice: 07012 SOLANO COUNTY PUBLIC WORKS DIVISION	7,201.35 36,172.82	43,374.17
12/11/	31043	2020SC 1020SC	Invoice: WD-0125960 SWRCB	2,062.00	2,062.00
12/11/	31044	2020SC 1020SC	Invoice: 12124491 THE TREMONT GROUP, INC.	232.50	232.50
12/11/	31045	2020SC 1020SC	Invoice: 001761 UNAVCO, INC.	797.69	797.69
12/11/	31046	2020SC 1020SC	Invoice: 9797054759 VERIZON WIRELESS	2,509.31	2,509.31
12/11/	31047	2020SC 1020SC	Invoice: 35887 VISION TECHNOLOGY SOLUTIONS, LLC DBC	200.00	200.00
12/14/	31048	2020SC 1020SC	Invoice: 52045897 CHEVRON AND TEXACO	569.21	569.21
12/14/	31049	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 86799 Invoice: 86798 Invoice: 86800 Invoice: 86801 HERUM\CRABTREE\SUNTAG	298.35 99.45 94.86 454.92	947.58
12/14/	31050	2020SC 1020SC	Invoice: V4739901 HOLT OF CALIFORNIA	1,267.77	1,267.77
12/14/	31051	2020SC 1020SC	Invoice: 2017-62 IN COMMUNICATIONS	7,469.79	7,469.79
12/14/	31052	2020SC 1020SC	Invoice: 33438 LUHDORFF & SCALMANINI	11,599.75	11,599.75
12/14/	31053	2020SC 1020SC	Invoice: JUL 1-SEP 30 2017 PUTAH CREEK COUNCIL	43,515.70	43,515.70
12/14/	31054	2020SC 1020SC	Invoice: 41938572 RECOLOGY VACAVILLE SOLANO	239.18	239.18
12/14/	31055	2020SC 1020SC	Invoice: 3928 SIGN ANATOMY	694.70	694.70
12/14/	31056	2020SC 1020SC	Invoice: NOV 2017 SUSTAINABLE SOLANO	11,189.20	11,189.20
12/14/	31057	2020SC 2020SC 1020SC	Invoice: 669309 Invoice: 669421 SYAR INDUSTRIES, INC	4,135.42 771.17	4,906.59

SOLANO COUNTY WATER AGENCY
Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
12/14/	31058	2020SC 1020SC	Invoice: BAWMRP#009 THINKING GREEN CONSULTANTS	9,009.00	9,009.00
12/14/	31059	2020SC 1020SC	Invoice: MICHELE DOMBROWSKI MICHELE DOMBROWSKI	50.00	50.00
12/14/	31060	2020SC 2020SC 1020SC	Invoice: 001753 Invoice: 001754 UNAVCO, INC.	9,292.16 8,906.23	18,198.39
12/14/	31061	2020SC 1020SC	Invoice: 5990 WINTERS AGGREGATE, LLC	5,811.75	5,811.75
12/19/	31062	2020SC 1020SC	Invoice: DEC 2017 BOD MTG BRYAN BUSCH	100.00	100.00
12/19/	31063	2020SC 1020SC	Invoice: 91921 GHD, INC.	4,882.00	4,882.00
12/19/	31064	2020SC 1020SC	Invoice: DEC 2017 BOD MTG DON HOLDENER	107.49	107.49
12/19/	31065	2020SC 1020SC	Invoice: V4644602 HOLT OF CALIFORNIA	7,351.24	7,351.24
12/19/	31066	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 1565004 Invoice: 6020954 Invoice: 6020955 Invoice: 0021622 Invoice: 0021621 Invoice: 5022230 Invoice: 7023208 HOME DEPOT CREDIT SERVICE	78.66 348.88 111.79 64.45 245.82 43.48 28.47	921.55
12/19/	31067	2020SC 1020SC	Invoice: DEC 2017 BOD MTG JOHN D. KLUGE	100.00	100.00
12/19/	31068	2020SC 1020SC	Invoice: 63100452601 LES SCHWAB TIRE CENTER	160.41	160.41
12/19/	31069	2020SC 1020SC	Invoice: DEC 2017 BOD MTG ELIZABETH PATTERSON	132.64	132.64
12/19/	31070	2020SC 1020SC	Invoice: 1005990832 PITNEY BOWES	575.46	575.46
12/19/	31071	2020SC 1020SC	Invoice: 7772 REGIONAL GOVERNMENT SERVICES	1,713.85	1,713.85
12/19/	31072	2020SC 1020SC	Invoice: 14349 RICHARD HEATH & ASSOCIATES, INC.	4,316.95	4,316.95
12/19/	31073	2020SC 1020SC	Invoice: DEC 2017 BOD MTG BOB SAMPAYAN	126.75	126.75
12/19/	31074	2020SC 1020SC	Invoice: DEC 2017 BOD MTG JAMES SPERING	100.00	100.00
12/19/	31075	2020SC 2020SC 1020SC	Invoice: 670357 Invoice: 670400 SYAR INDUSTRIES, INC	2,313.50 764.03	3,077.53
12/19/	31076	2020SC 2020SC 1020SC	Invoice: 200385009 Invoice: 200387304 TRACTOR SUPPLY CREDIT PLAN	38.16 22.52	60.68
12/19/	31077	2020SC 1020SC	Invoice: DONATION 2017 TRUST FOR CONSERVATION INNOVATION	500.00	500.00
12/19/	31078	2020SC 1020SC	Invoice: JAMES AHL JAMES AHL	600.00	600.00
12/19/	31079	2020SC	Invoice: BARBARA FERREIRA	596.00	

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
		1020SC	BARBARA FERREIRA		596.00
12/19/	31080	2020SC 1020SC	Invoice: DAVID KASID DAVID KASID	352.00	352.00
12/19/	31081	2020SC 1020SC	Invoice: DEC 2017 BOD MTG JOHN VASQUEZ	100.00	100.00
12/19/	31082	2020SC 1020SC	Invoice: 357 WILSON PUBLIC AFFAIRS	3,500.00	3,500.00
12/13/	5000010	2023AC 1020SC	FSA REIMBURSABLE 12.12.17 RABIDOUX, ALEXANDER	4,794.48	4,794.48
12/21/	5000011	2023AC 1020SC	FSA REIMBURSEMENT 12.20.17 RABIDOUX, ALEXANDER	317.42	317.42
12/26/	5000012	2023AC 1020SC	FSA REIMBURSEMENT 12.26.17 RABIDOUX, ALEXANDER	238.10	238.10
12/11/	ASHLEY N	6040AC 6040AC 6040AC 6040AC 6250SC 6040AC 6040AC 6040AC 6040AC 6040AC 6040AC 6210AC 1020SC	REMOTE LINK - SALMON FEST CONF CALL BIG GREEN BOX - BATTERY BOX REMOTELINK - PROP I CONF CALL NAPOLI PIZZA - SWAC MEETING RALEYS - HCP CHEVRON - ICE FOR TEAM MTG BOUDIN CATERING - FOOD FOR TEAM MTG REMOTELINK - SALMON FEST CONF CALL REMOTELINK - WATER POLICY CONF CALL REMOTELINK - EXEC COMM CONF CALL REMOTELINK - CONF CALL NAPOLI PIZZA - BOARD MTG BANK OF THE WEST	4.15 70.00 9.96 100.03 53.02 5.61 199.57 6.89 4.05 4.79 87.13 87.03	632.23
12/25/	BARICH N	6230SC 6310AC 6300AC 6310AC 5500AC 1020SC	LOWES - SUPPLIES CHEVRON - FUEL SPEEDEE OIL CHANGE CHEVRON - FUEL DODGE CHRYSLER JEEP OF VV - SPEARE KEYS BANK OF THE WEST	326.89 40.57 91.03 43.02 87.50	589.01
12/6/1	COLIAS N	6166SC 6551AC 1020SC	FACEBOOK - SALMON FESTIVAL POSTING BROWNS VALLEY CLEANING BANK OF THE WEST	1.27 15.75	17.02
12/25/	CUETARA	6310AC 6300AC 6144AC 6144SC 6144SC 6300AC 1020SC	CHEVRON - FUEL AUTOZONE - SUPPLIES BATTERIES PLUS - SUPPLIES THE HOME DEPOT - SUPPLIES BATTERIES PLUS - SUPPLIES SAFELITE AUTOGLASS - REPAIR CHIP ON WINDSHIELD BANK OF THE WEST	79.28 3.97 174.78 62.30 5.91 148.46	474.70
12/4/1	EFT	2020SC 1020SC	Invoice: HEALTH DEC 2017 CALPERS	15,668.15	15,668.15
12/8/1	EFT	2020SC 1020SC	Invoice: 2017120501 PAYCHEX, INC.	201.25	201.25
12/2/1	EFT	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 12.2.17 EMPLOYER LIABILITIES PPE 12.2.17 PAYROLL TAXES	18,870.58 1,750.33	20,620.91
12/8/1	EFT	2020SC 1020SC	Invoice: PEPPRA PPE 12.02.17 CALPERS	1,344.03	1,344.03
12/8/1	EFT	2020SC 1020SC	Invoice: PPE 12.02.17 CALPERS	8,264.91	8,264.91
12/8/1	EFT	2020SC 1020SC	Invoice: SIP PPE 12.02.17 CALPERS	4,886.91	4,886.91

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
12/15/	EFT	6040AC 1020SC	FSA PARTICIPANT FEE DEC 2017 PAYCHEX, INC.	113.50	113.50
12/19/	EFT	2020SC 1020SC	Invoice: SIP PPE 12.16.17 CALPERS	4,448.69	4,448.69
12/19/	EFT	2020SC 1020SC	Invoice: PEPRA PPE 12.16.17 CALPERS	1,344.03	1,344.03
12/19/	EFT	2020SC 1020SC	Invoice: PPE 12.16.17 CALPERS	8,264.91	8,264.91
12/16/	EFT	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 12.16.17 EMPLOYER LIABILITIES PPE 12.16.17 PAYROLL TAXES	15,105.27 1,965.71	17,070.98
12/16/	EFT	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 12.16.17 EMPLOYER LIABILITIES PPE 12.16.17 PAYROLL TAXES	6.29	6.29
12/16/	EFT	6012AC 1020SC	BOD 2017 - PAYROLL PROCESSING TAXES ONLY PAYROLL TAXES	781.13	781.13
12/1/1	FEHRENK	6090AC 1020SC	CA SOCIETY OF MUNICIPAL FINANCE OFFICERS - MEMBERSHIP DUES BANK OF THE WEST	110.00	110.00
12/25/	JONES NO	6310AC 6230SC 6197SC 6310AC 6183SC 6183SC 6197SC 2025SC 1020SC	BERRYESSA SPORTING GOODS - FUEL LOWES - SUPPLIES CHEVRON - FUEL CHILES ROAD BEACON - FUEL MATHESON 346 - PROPANE YOLO COUNTY LANDFILL - DUMP RUN FLAME ENGINEERING - SUPPLIES SALES TAX ON FLAME ENGINEERING BANK OF THE WEST	34.20 87.76 8.37 25.00 57.02 69.66 42.51	3.01 321.51
12/25/	LEE NOV	6040AC 6140AC 1020SC	SOLANO BAKING CO - SUPPLIES ADOBE CREATIVE CLOUD BANK OF THE WEST	27.00 49.99	76.99
12/25/	MAROVIC	6199SC 6183SC 6181SC 6199SC 1020SC	DAVIS ACE HARWARE - SUPPLIES OBC NORTHWEST - SUPPLIES USHIP - DOZER TRANSPORTATION ADOBE CREATIVE CLOUD BANK OF THE WEST	36.79 200.33 1,302.51 49.99	1,589.62
12/1/1	PASCUAL	6161N 6161N 6310AC 6330AC 6161N 6161N 6144N 6310AC 2025SC 1020SC	W GRAINGER - SUPPLIES W GRAINGER - SUPPLIES CHEVRON - FUEL CITY OF SAC PARKING SAFEWAY - PASTRIES PANERA BREAD - FOOD BEN MEADOWS - SUPPLIES CHEVRON - FUEL SALES TAX ON BEN MEADOWS BANK OF THE WEST	206.00 169.57 20.52 1.75 15.00 63.96 173.27 15.39	12.28 653.18
12/25/	PATE NOV	6041AC 6040AC 6040AC 6090AC 6040AC 6040AC 6330AC 1020SC	FYRS ELECTRONICS - SUPPLIES LYFT RIDE - REIMBURSED LYFT RIDE - REIMBURSED AMER SOC CIVIL ENGINEER LYFT RIDE - REIMBURSED BLUE PRYNT RESTUARANT BEST WESTERN BANK OF THE WEST	41.44 5.79 6.15 245.00 5.53 18.40 109.45	431.76
12/25/	RABIDOU	6600SC 6330AC 6230SC	COLEPARMERINSTUMENT - DYE STUDY FOR PSC PRIORITY PARKING - PARKING FOR DWR MTG CISCO EAGLE DALLAS - FORKLIFT EXTENSIONS	481.89 10.00 490.37	

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Dec 1, 2017 to Dec 31, 2017

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Date	Check #	Account ID	Line Description	Debit Amou	Credit Amou
		1020SC	BANK OF THE WEST		982.26
12/25/	SANFORD	6330AC	CITY OF SAC PARKING	20.00	
		6330AC	CITY OF SAC PARKING	10.50	
		1020SC	BANK OF THE WEST		30.50
12/25/	SNYDER N	6300AC	AGILIS LINXUP - GPS TRACKER	183.92	
		6310AC	CHEVRON - FUEL	74.59	
		6300AC	PISANIS - SUPPLIES	10.70	
		6300AC	AUTOZONE - SUPPLIES	12.89	
		5500AC	AMAZON - LIGHTS FOR RAV 4 AND RAMS	361.52	
		6300AC	WALMART - SUPPLIES	5.77	
		6300AC	TRACTOR SUPPLY - SUPPLIES	19.25	
		5500AC	AUTO ANYTHING	120.52	
		5500AC	AMAZON	173.56	
		6300AC	WALMART - SUPPLIES	10.63	
		6300AC	LOWES - SUPPLIES	7.08	
		2025SC	SALES TAX ON AMAZON		25.68
		1020SC	BANK OF THE WEST		954.75
12/25/	WILLING	6040AC	AMAZON - BOOK SAFE	16.13	
		6210AC	PURE GRAIN BAKERY - BOARD SANDWICHES	43.50	
		6041AC	AMAZON - PORT CABLE	23.65	
		6041AC	AMAZON - STANDING DESK	383.24	
		6041AC	VERIZON WIRELESS - CELL PHONE ACCESSORIES	96.85	
		6090AC	INTERNATIONAL PUBLIC - HR MEMBERSHIP	79.00	
		2025SC	SALES TAX FOR AMAZON - BOOK SAFE		1.14
		1020SC	BANK OF THE WEST		641.23
12/4/1	WIRE	2020SC	Invoice: 43274	10,662.24	
		1020SC	BEKA HOLDINGS LLC		10,662.24
Total				641,922.52	641,922.52

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 11, 2018

SUBJECT: Contract with Integrated Environmental Restoration Services for Putah South Canal Sediment Reuse Study

RECOMMENDATION:

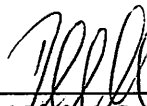
Authorize General Manager to execute \$48,000 contract with Integrated Environmental Services to investigate feasibility of using Putah South Canal Sediment as a soil amendmen.t

FINANCIAL IMPACT:

Total contract amount not to exceed \$48,000, funding for this project is included in the Water Agency's FY 2017-2018.

BACKGROUND:

The Water Agency routinely allocates over \$250,000 a year for removing sediment and aquatic vegetation from the Putah South Canal (PSC). In a typical year six to eight thousand cubic yards of material is removed from the PSC. Much of this material originates from the interdam reach of Putah Creek (between Monticello Dam and the Putah Diversion Dam) and is typically hauled to a nearby landfill. Over the years the Water Agency has completed a number of projects and studies designed to minimize sediment production from the interdam reach, and it is anticipated that these efforts will continue for the foreseeable future. However, despite the aforementioned efforts there will always be some sediment that accumulates in the PSC, and therefore, a continuing need to remove and dispose of sediment.

Recommended: 
Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

☒

Continued on
next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 11, 2018 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

In recent years some of the sediment has been offered to private landowners, with the remaining material – typically three to four thousand cubic yards - ultimately being delivered to a landfill. Landfill disposal can be expensive, particularly if aquatic vegetation is mixed with the sediment, as it frequently is. While the mixture of sediment and aquatic vegetation may be considered waste material when it is in the canal, preliminary field tests strongly suggest that the sediment and aquatic vegetation can be used as an effective soil amendment, particularly when mixed with wood chips and/or walnut waste. The purpose of this study is to expand the field tests conducted to date and to explore possible applications – erosion control along the Ulati Flood Control Project, restoration and revegetation of natural streambanks, and possible habitat enhancement projects at the Water Agency's Petersen Ranch. The proposed contract and additional information regarding the study scope of work is attached.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN:

Initiation of the proposed Putah South Canal Sediment Reuse Study is consistent with Goal 2 (*Water Management Infrastructure: Optimize the use of SCWA managed infrastructure*) and Objective D (*Identify other habitat and watershed stewardship opportunities and implement activities where feasible*) of Goal 7 (*Natural Resources Stewardship: Develop comprehensive approaches to the stewardship of natural resources*) of the 2016-2025 SCWA Strategic Plan.

Name of Project: Putah South Canal Sediment Reuse Study

SOLANO COUNTY WATER AGENCY

AGREEMENT FOR PROFESSIONAL SERVICES

(Professional Services/no Professional Liability/General Liability & Auto/no Additional Insured)

THIS AGREEMENT, effective January 12, 2018 is between SOLANO COUNTY WATER AGENCY, a public agency existing under and by virtue of Chapter 573 of the 1989 statutes of the State of California, hereinafter referred to as "Agency," and Integrated Environmental Restoration Services (IERS), Inc., hereinafter referred to as "Contractor."

The Agency requires services for Putah South Canal Waste Study; and the Contractor is willing to perform these services pursuant to the terms and conditions set out in this Agreement.

IT IS MUTUALLY AGREED, as follows:

1. **SCOPE OF SERVICES**

The Agency hereby engages the Contractor, and the Contractor agrees to perform the services Putah South Canal Waste Study, as described in Exhibit A, in accordance with the terms of this Agreement and any applicable laws, codes, ordinances, rules or regulations. In case of conflict between any part of this Agreement, this Agreement shall control over any Exhibit.

2. **COMPENSATION**

Compensation for services shall be as follows: Hourly rate of personnel plus any allowed reimbursable expenses based on unit costs as indicated on any allowed reimbursable expense in Exhibit A not to exceed 48,000 for all work contemplated by this Agreement.

3. **METHOD OF PAYMENT**

Upon submission of an invoice by the Contractor, and upon approval of the Agency's representative, the Agency shall pay the Contractor monthly in arrears for fees and allowed expenses incurred the prior month, however in no event shall the cumulative total paid pursuant to this agreement exceed the maximum amount provided for in paragraph 2 of this Agreement. Every invoice shall specify hours worked for each task identified in Exhibit A undertaken.

Each invoice shall be accompanied by a spreadsheet showing, by month, costs incurred to date for the project broken down by the Tasks identified in Exhibit A. The spreadsheet shall show, for each task, budget amounts, and total expended and remaining amounts. The spreadsheet shall show a subtotal for each fiscal year covered by the contract. Any amendments to the contract shall be listed and incorporated into spreadsheet. An example of a typical spreadsheet shall be provided by the Agency.

4. TIME OF PERFORMANCE

This Agreement shall become effective as of the date it is executed and said services will take place between this date and June 30, 2019 as directed by the Agency.

5. MODIFICATION AND TERMINATION

This Agreement may be modified or amended only by written instrument signed by the parties hereto, and the Contractor's compensation and time of performance of this Agreement shall be adjusted if they are materially affected by such modification or amendment.

This Agreement may be terminated by the Agency at any time, without cause, upon written notification to the Contractor. The Contractor may terminate this Agreement upon 30 days written notice to Agency.

Following termination by the Agency or the Contractor, the Contractor shall be reimbursed for all expenditures made in good faith in accordance with the terms of this Agreement that are unpaid at the time of termination.

6. INDEMNIFY AND HOLD HARMLESS

When the law establishes a professional standard of care for the Contractor's services, to the fullest extent permitted by law, Contractor will defend, indemnify and hold harmless the Agency, its directors, officers, employees, and authorized volunteers from all claims and demands of all persons that arise out of, pertain to, or relate to the Contractor's negligence, recklessness, or willful misconduct in the performance (or actual or alleged non-performance) of the work under this agreement. The Contractor shall defend itself against any and all liabilities, claims, losses, damages, and costs arising out of or alleged to arise out of Contractor's performance or non-performance of the work hereunder, and shall not tender such claims to Agency nor to its directors, officers, employees, or authorized volunteers, for defense or indemnity.

Other than in the performance of professional services, to the fullest extent permitted by law, Contractor will defend, indemnify and hold harmless the Agency, its directors, officers, employees and authorized volunteers from all claims and demands of all persons arising out of the performance of the work or furnishing of materials; including but not limited to, claims by the Contractor or Contractor's employees for damages to persons or property except for the sole negligence or willful misconduct or active negligence of the Agency, its directors, officers, employees, or authorized volunteers.

7. INSURANCE

By his/her signature hereunder, Contractor certifies that he/she is aware of the provisions of Section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Contractor will comply with such provisions before commencing the performance of the professional services under this agreement. Contractor and sub-contractors will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.

Contractor will file with the Agency, before beginning professional services, certificates of insurance satisfactory to the Agency evidencing general liability coverage of not less than \$1,000,000 per occurrence (\$2,000,000 general and products-completed operations aggregate (if used)) for bodily injury, personal injury and property damage; auto liability of at least \$1,000,000 for bodily injury and property damage each accident limit; workers' compensation (statutory limits) and employer's liability (\$1,000,000) (if applicable); requiring 30 days (10 days for non-payment of premium) notice of cancellation to the Agency. Any insurance, self-insurance or other coverage maintained by the Agency, its directors, officers, employees, or authorized volunteers shall not contribute to it. Coverage is to be placed with a carrier with an A.M. Best rating of no less than A- :VII, or equivalent, or as otherwise approved by the Agency. In the event that the Contractor employs other contractors (sub-contractors) as part of the work covered by this agreement, it shall be the Contractor's responsibility to require and confirm that each sub-contractor meets the minimum insurance requirements specified above.

If any of the required coverages expire during the term of this agreement, the Contractor shall deliver the renewal certificate(s) including the general liability additional insured endorsement to the Agency at least ten (10) days prior to the expiration date.

8. COMPLIANCE WITH LAW

The Contractor shall be subject to and comply with all federal, state and local laws and regulations applicable with respect to its performance under this Agreement, including but not limited to, licensing, employment and purchasing practices; and wages, hours and conditions of employment.

9. RECORD RETENTION

Except for materials and records, delivered to the Agency, the Contractor shall retain all materials and records prepared or obtained in the performance of this Agreement, including financial records, for a period of at least three years after the Contractor's receipt of the final payment under this Agreement. Upon request by the Agency, the Contractor shall make such materials and records available to the Agency at no additional charge and without restriction or limitation to State and federal governments at no additional charge.

10. OWNERSHIP OF DOCUMENTS

All materials and records of a finished nature, such as final plans, specifications, reports and maps, prepared or obtained in the performance of this Agreement, shall be delivered to and become the property of the Agency. All materials of a preliminary nature, such as survey notes, sketches, preliminary plans, computations and other data, prepared or obtained in the performance of this Agreement, shall be made available, upon request, to the Agency at no additional charge and without restriction or limitation on their use.

12. SUBCONTRACT AND ASSIGNMENT

This Agreement binds the heirs, successors, assigns and representatives of the Contractor. The Contractor shall not enter into subcontracts for any work contemplated under this Agreement and shall not assign this Agreement or monies due or to become due, without the prior written consent of the General Manager of the Agency or his designee, subject to any required state or federal approval. *(Note: list any subcontractors here)*

13. NONRENEWAL

The Contractor understands and agrees that there is no representation, implication, or understanding that the services provided by the Contractor under this Agreement will be purchased by the Agency under a new agreement following expiration or termination of this Agreement, and waives all rights or claims to notice or hearing respecting any failure to continue purchase of all or any such services from the Contractor.

14. NOTICE

Any notice provided for herein are necessary to the performance of this Agreement and shall be given in writing by personal delivery or by prepaid first-class mail addressed as follows:

AGENCY

Roland Sanford, General Manager
Solano County Water Agency
810 Vaca Valley Parkway, Suite 203
Vacaville, CA 95688

CONTRACTOR

Michael Hogan, President
Integrated Environmental Restoration Services, Inc.
P.O. Box 7559
Tahoe City, CA 96145

The parties have executed this Agreement the day and year first above written. If the Contractor is a corporation, documentation must be provided that the person signing below for the Contractor has the authority to do so.

Solano County Water Agency
A Public Agency

Integrated Environmental Restoration Services Inc.

By: _____
Roland Sanford
General Manager

By: _____
Michael Hogan, President

EXHIBIT A

(Scope and Cost)

Scope and Cost Estimate for Putah South Canal Sediment Reuse Study

Prepared by Michael Hogan, IERS, Inc. for Solano County Water Agency

November 30th, 2017

<u>1</u>	Site assessment-Peterson Ranch and Canal sites (3)				<i>Assessment include collecting soil samples, physical soil interpretation, aerial photo documentation and existing vegetation characterization. This data will be used to fine tune amendments and to interpret growth results.</i>
	<i>Soil sampling, slope characterization, veg characterization</i>				
	Soil sample collection	7	\$ 1,015.00		
	Site characterization	6	\$ 870.00		
	Soil sample cost (A&I. Labs)	14	\$ 1,262.80		
	Interpretation	5	\$ 725.00		
	Trip 1 travel	1	\$ 765.76		
	Per Diem	1	\$ 50.00		
	Total Module 1		\$ 4,688.56	\$ 4,688.56	
<u>2</u>	Tree planting trials-Peterson Ranch				<i>We assume that we can obtain adequate amendments for this small scale planting. Treatment includes 4 areas of +/- 20' x 20', tilled to a depth of at least 3' and up to 6'.</i>
	<i>Planting of trees near ranch using 3-4 treatment variations</i>				
	Coordination	4	\$ 580.00		
	Plot design and layout	2	\$ 290.00		
	Plot implementation	6	\$ 870.00		
	As builds and report	3	\$ 435.00		
	Trip 1 travel	0	\$ -		
	Per Diem	1	\$ 50.00		
	Total Module 2		\$ 2,225.00	\$ 2,225.00	
<u>3</u>	Mixing trials-PDO				<i>This trial is intended to look at potential for mixing of two PDO generated materials (canal waste and aquatic weeds) and a locally generated 'waste' (walnut waste) in order to determine if this method of processing is efficient and effective.</i>
	<i>mixing of canal waste, walnut waste and screen weeds with existing chips</i>				
	Coordination	3	\$ 435.00		
	Plot design and layout	1.5	\$ 217.50		
	Plot implementation (actual and/or oversight)	6	\$ 870.00		
	As builds (photo documentation, etc.)	2	\$ 290.00		
	As built report	2	\$ 290.00		
	Trip 1 travel	0	\$ -		

	per diem	1	\$ 50.00	
	Total Module 3		\$ 2,152.50	\$ 2,152.50
4	Trials, Peterson Ranch			
	<i>Slope and grazing area trials; up to 5 plots</i>			
	Coordination	5	\$ 725.00	
	Plot design and layout	6	\$ 870.00	
	Plot implementation (actual and/or oversight)	10	\$ 1,450.00	
	As built (photo documentation, etc.)	3	\$ 435.00	
	As built report	3	\$ 435.00	
	Trip 2	1	\$ 765.76	
	Per diem	2	\$ 100.00	
	Total Module 4		\$ 4,780.76	\$ 4,780.76
5	Trials, Overflow channel			
	<i>Steep slope trials on overflow channel</i>			
	Coordination	5	\$ 725.00	
	Plot design and layout	6	\$ 870.00	
	Plot implementation (actual and/or oversight)	10	\$ 1,450.00	
	As built (photo documentation, etc.)	3	\$ 435.00	
	As built report	3	\$ 435.00	
	Trip 3	1	\$ 765.76	
	per diem	2	\$ 100.00	
	Total Module 5		\$ 4,780.76	\$ 4,780.76
6	Trials-Pleasants' Creek			
	<i>Similar to modules 3 and 4, should be covered by Rich's planning grant</i>			
7	Monitoring			
	<i>Regular assessment of growth and erosion on plots</i>			
	7a: Spring monitoring -tree planting plots/materials trials			
	Plant vigor assessment, materials process assessment	6	\$ 870.00	
	Report (brief)	2	\$ 290.00	
	Trip 4a	1	\$ 765.76	
	Per diem	1	\$ 50.00	

This trial consists of slope trial and ag land trails, which will be contiguous. Each plot will consist of a slope and the upland area that it extends onto. We will assess erosion potential, weed generation and native plant establishment.

These trials will be similar to the Peterson Ranch trials except that they include much longer slope lengths.

There are two components of the monitoring: the first (7a) is for the tree planting trials and the second (7b) consists of 4 monitoring events to be done following installation of Peterson and Canal trials.

	Total 7a spring monitoring		\$ 1,975.76	\$ 1,975.76	
	7b: Monitoring of Peterson Ranch and Canal Trials (4 times)				
	Plant vigor assessment, materials process assessment	24	\$ 3,480.00		
	Report (brief)	12	\$ 1,740.00		
	Trips 4 b,c,d,e	4	\$ 3,063.04		
	Per diem	4	\$ 200.00		
			\$ 8,483.04	\$ 8,483.04	
<u>8</u>	Irrigation design and layout - 3 sites (Tree planting, Peterson and Canal Plots)				<i>Given that the Peterson and Canal trials will not be completed until Summer 2018, temporary irrigation will be required to produce germination and follow on support. Irrigation is intended to be in place for one season and then removed.</i>
	<i>This work will be required due to spring planting, summer growth.</i>				
	Initial design (2.5 hrs./site)	7.5	\$ 1,087.50		
	Implementation, field adaptation 5 hrs./site)	15	\$ 2,175.00		
	General coordination, contingency	10	\$ 1,450.00		
	Trips 5, 6	2	\$ 1,531.52		
	Per diem	4	\$ 200.00		
	Total Module 8		\$ 6,444.02	\$ 6,444.02	

<u>9</u>	Erosion testing-Demonstration 2 sites				<i>This module is designed to add an element of quantification to the erosion question. It is intended to provide a quantified foundation for claims of erosion reduction, which also will quantify copper migration (or ideally lack thereof). This is also an ideal opportunity to involve project partners, as results and differences are easily observable.</i>
	Set up	5.5	\$ 797.50		
	Runoff and/or rainfall simulator assessment of plots	7	\$ 1,015.00		
	Monitoring data analysis	4	\$ 580.00		
	Report	5	\$ 725.00		
	Equipment	1	\$ 400.00		
	Trip 7	1	\$ 765.76		
	Per Diem	2	\$ 100.00		
	Total Module 8		\$ 4,383.26	\$ 4,383.26	
<u>9</u>	Presentation-information sharing				<i>This module is suggested in order to share information from the trial and to begin to develop an understanding of the canal waste, aquatic weeds and walnut waste as resources rather than waste products. This module will only be needed if in fact those materials prove to be useful.</i>
	<i>This optional module includes presentation of project process and outcomes to staff, interested partners, Putah Creek Council, agencies or others as needed</i>				
	Data coordination, preparation	6	\$ 870.00		
	Presentation	3	\$ 435.00		
	Trip 8	1	\$ 765.76		
	Per diem	1	\$ 50.00		
	Total Module 9		\$ 2,120.76	\$ 2,120.76	
		<u>Sum</u>		<u>\$ 42,034.42</u>	

Assumptions

- Modules 1, 2 and 3 can be done in one trip
- Peterson and Canal plots won't be able to be installed this fall due to lack of materials; Tree planting trials at Peterson will be installed this fall-early winter
- Pleasants' Creek trials can be covered by one of Rich's contracts
- There is no contingency. 10% contingency= +/- \$5000

<u>A&L soil analysis</u>	
Analysis	
S3C	\$35.00
OM	\$9.00
Texture	\$16.00
Cu	\$18.00
Sub Total	\$78.00
shipping	\$4.00
Overhead (10%)	\$8.20
<u>Total</u>	<u>\$90.20</u>

per sample

<u>Trip Costs</u>				
Time	\$580.00	4 hrs x 2		
Mileage	\$185.76	172 x 2		
<u>Total</u>	<u>\$765.76</u>			
per diem	\$50.00	food, propane, no camping fee		

Equipment

Includes runoff sim and rainfil sim, pump, hoses, etc.

\$200/day

**ACTION OF
SOLANO COUNTY WATER AGENCY**

DATE: January 11, 2018

SUBJECT: Authorize Purchase of Telemetry Equipment for Ongoing Putah Creek Chinook Salmon Study

RECOMMENDATION:

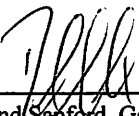
Authorize General Manager to purchase telemetry equipment to monitor movement of salmon to/from Lower Putah Creek – total cost not to exceed \$30,000.

FINANCIAL IMPACT:

Sufficient funding (\$30,000) for this purchase is included in the adopted SCWA FY 2018-19.

BACKGROUND:

The Water Agency has contracted with UC Davis to conduct the ongoing Putah Creek Chinook Salmon Study. The primary purpose of the study is to determine whether a self-sustaining Chinook Salmon population is becoming established in Lower Putah Creek. Most if not all of the adult salmon observed to date in Lower Putah Creek are thought to be hatchery strays. Although it is now well established that these adult salmon are able to successfully spawn and produce juveniles, it remains unclear when and under what circumstances these juvenile fish leave Lower Putah Creek and eventually return as adults. As a part of this study, juvenile Chinook Salmon will be fitted with acoustic transmitters and their movements monitored. Initially it was anticipated that UC Davis would purchase the acoustic transmitters and bill the Water Agency as a part of the overall study cost. Staff now believes it would be more efficient and cost effective for the Water Agency to purchase the acoustic transmitters and associated telemetry equipment on behalf of UC Davis, using funds already allocated for the Putah Creek Chinook Salmon Study.

Recommended: 
Roland Sanford, General Manager

<input type="checkbox"/> Approved as recommended	<input type="checkbox"/> Other (see below)	<input checked="" type="checkbox"/> Continued on next page
--	--	--

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 11, 2018 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN:

The proposed purchase is consistent with Objective D (*Optimize opportunities for cost-saving strategies*) of Goal 10 (*Funding and Staffing: Provide the necessary resources to continue to achieve SCWA's mission and values efficiently and effectively in a fiscally responsible manner*) of the 2016-2025 SCWA Strategic Plan.

QUOTATION

From:



470 FIRST AVE NW · ISANTI, MN 55040
sales@atstrack.com · www.atstrack.com
763-444-9267

To: Eric Chapman

Univ. of Calif. Davis

Wildlife, Fish and Conservation

One Shields Ave., 1088 Academic Surge

Davis

CA

95616

edchapman@ucdavis.edu

F.O.B.: Origin

TERMS: Net 30 days Federal ID Number: 41-1399189

Quote Number: 98069		Date: 12/28/2017		Quotations are valid for 90 days	
Line #	Model #	DESCRIPTION	QUANTITY	PRICE	AMOUNT
01	SS400	Acoustic Transmitter, Gen IV	100	\$235.00	\$23,500.00
02	SR3000	Trident Acoustic Receiver NO Tilt Sensor / 6 cell Batt Compartment	2	\$2,995.00	\$5,990.00
		Batt Compartment Configuration	6 cell Batt Compartment NO Tilt Sensor		
03	17853	6 cell Batt Pack, SR3000	2	\$0.00	\$0.00
04	SHIPCHA	Shipping and Handling Charge	1	\$50.00	\$50.00
				Total \$:	\$29,540.00

Signature _____

SOLANO COUNTY WATER AGENCY

MEMORANDUM



TO: Board of Directors

FROM: Roland Sanford, General Manager

DATE: January 4, 2018

SUBJECT: January General Manager's Report

Looking toward 2018

2018 should be another busy and eventful year. Top priorities for the Water Agency include the adoption of flood management policies to define the Water Agency's future role in flood management, adoption of the Solano Project Habitat Conservation Plan, initiation of the Countywide water supply-demand analysis, continuation of the ongoing Cache Slough study and reformulation of the North Bay Aqueduct Alternate Intake project, and participation in the ongoing Bay-Delta Plan update.

The Water Policy Committee, with the help of a meeting facilitator, should have a suite of flood management policy recommendations ready for Board consideration by March. Defining the Water Agency's future role in flood management is the third goal of the 2016-2025 SCWA Strategic Plan. Adoption of the Solano Project Habitat Conservation Plan (HCP) finally appears likely within the next 12 months, assuming the reviewing State and Federal resource agencies remain on schedule. Once the HCP is formally adopted we will be able to move forward with a number of delayed projects, including the development of mitigation credits at Petersen Ranch, purchase of conservation easements elsewhere in the County, and structural improvements on the Ulatris Flood Control Project.

The Countywide water-supply demand analysis, which will include an evaluation of future water needs, is the top objective of the 2016-2025 SCWA Strategic Plan's first goal. The Cache Slough Study approved by the Board last November will begin in earnest and among other things, will provide critical information that will ultimately be used to reformulate the North Bay Aqueduct Alternate Intake Project (NBA AIP) from what is currently a single purpose project – water supply reliability – to a multi benefit project that includes environmental enhancement elements. Realistically, it will probably take two, possibly three years, to complete the reformulation of the NBA AIP and more specifically, development of a "project description" that is sufficiently detailed for environmental impact review. Finally, and certainly not of trivial importance is the ongoing Bay-Delta Plan update by the State Water Resources Control Board. The Bay-Delta Plan update

810 Vaca Valley Parkway, Suite 203
Vacaville, California 95688
Phone (707) 451-6090 • FAX (707) 451-6099
www.scwa2.com

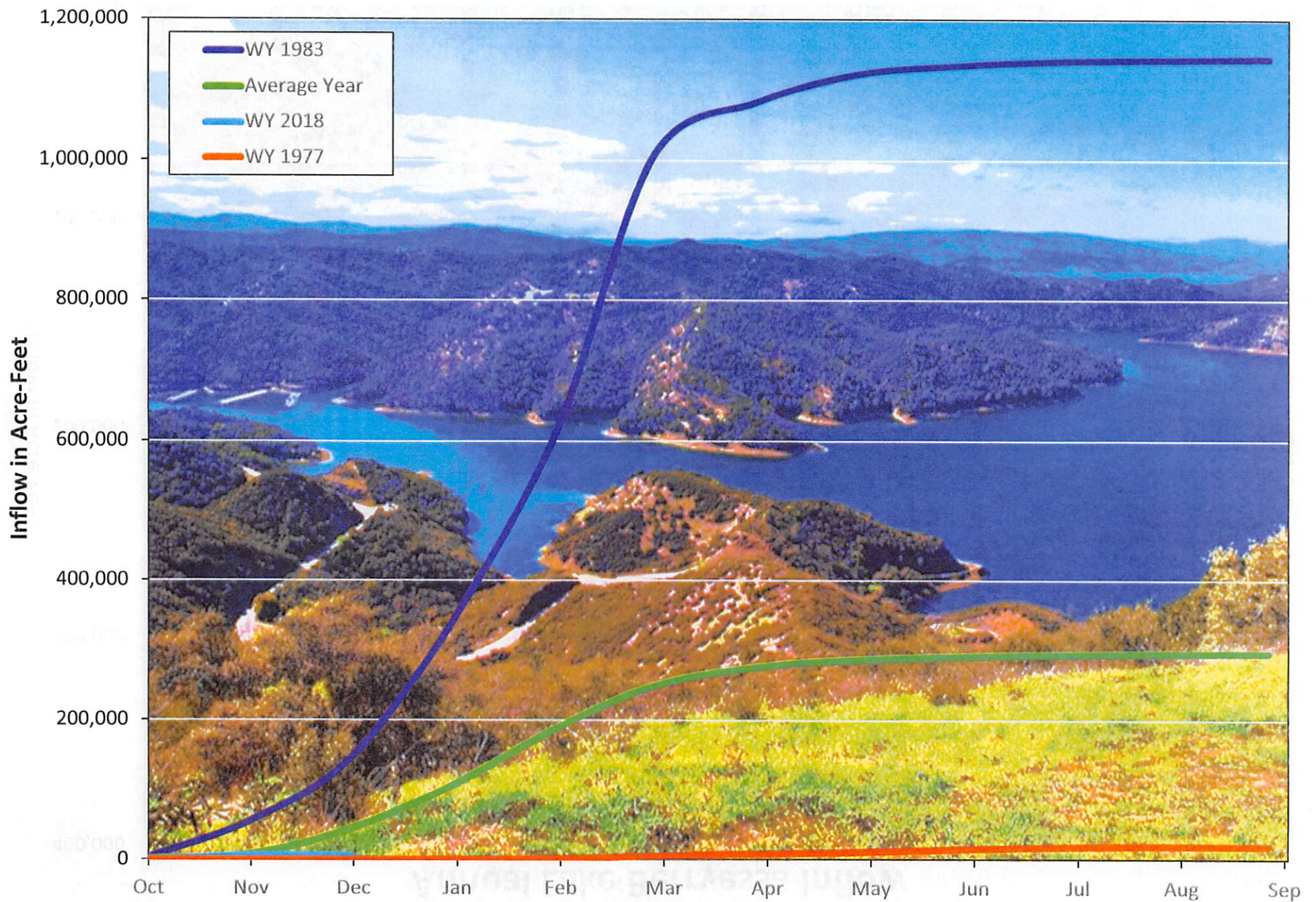


will ultimately allocate more water for environmental purposes at the expense of existing water supplies currently used for agricultural and municipal purposes. Exactly how much and what that means to Solano County's water supply future remains unclear. Also unclear is how long the process will take – ten years? In any event, as I've reported in the past, I do believe following, participating and reacting to the Bay Delta Plan Update will take considerable Water Agency staff time over the next several years, with the workload increasing noticeably by the second quarter of 2018.

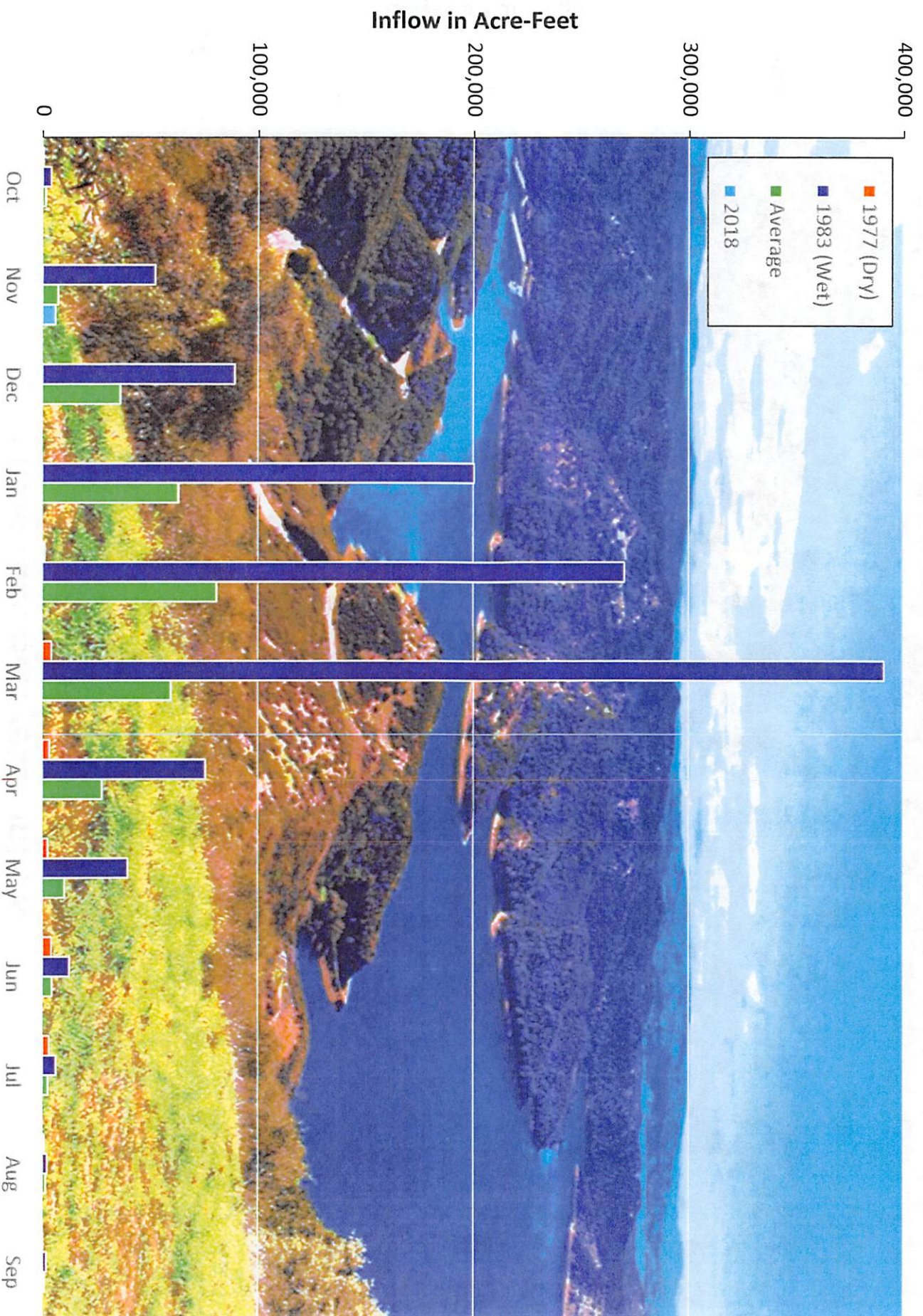
Return of the drought?

As of this writing the Sierra snowpack is just 3 percent of normal for this time of year, with the long range forecast suggesting that below normal precipitation will continue through January if not longer. Odds of a normal, much less a wet year, are rapidly diminishing. Assuming the dry weather track continues we will probably see our 2018 North Bay Aqueduct "Table A" allocation remain at 20 percent. The good news of course is Lake Berryessa. Despite below average inflow the lake remains nearly full – thanks to last year's near record inflow – and therefore full water supply allocations are assured even if dry conditions continue for the balance of the rainy season. Stay tuned.

Annual Lake Berryessa Inflow



Annual Lake Berryessa Inflow



**REPORT OF CONSTRUCTION CHANGE ORDERS AND
CONTRACTS APPROVED BY GENERAL MANAGER UNDER
DELEGATED AUTHORITY**

Construction Contract Change Orders (15% of original project costs or \$50,000, whichever is less) - none

Construction Contracts (\$30,000 and less) - none

Professional Service Agreements (\$30,000 and less)

Non-Professional Service Agreements (\$30,000 and less) –

Ad Consultants – Lake Berryessa Reservoir Operations Study - \$25,000

Santa Clara Valley Habitat Agency – HCP Legislation Assistance - \$5,000

Streamwise – McCune Sweeney Vane - \$5,000

Sustainable Solano – Rainwater Harvesting Workshops - \$2,000

Construction contracts resulting from informal bids authorized by SCWA Ordinance- none

Note: Cumulative change orders or amendments resulting in exceeding the dollar limit need Board approval.

MISC.
NEWSPAPER
ARTICLES



DAILY REPUBLIC
Solano County's News Source

FAIRFIELD-SUISUN CITY, CALIFORNIA



Nicole Newell, left, and Beatrice Diaz plant a Christmas tree at the Mission Solano Bridge to Life Center in Fairfield, Thursday, Dec. 21, 2017. Mission Solano is launching a food forest garden. The program offers Fairfield homeowners an opportunity to become "food forest keepers" of public gardens. (Aaron Rosenblatt/Daily Republic)

Food forest at Mission Solano aims at self-sufficiency for plants, guests

By **Bill Hicks**

FAIRFIELD — Part of the expressed goal of Mission Solano is to help its homeless guests move toward self-sufficiency.

In keeping with that aim, Mission Solano, in partnership with Sustainable Solano, unveiled a food forest project Thursday that relies on sustainable landscaping and water usage to thrive.

The key component of the project is the use of secondary water, called gray water. Gray water is most commonly the water left over from the shower, bathroom sink or laundry facilities.

Sustainable Solano Program Manager Nicole Newell said the average load of laundry uses about 40 gallons of water. In the system designed by Sustainable Solano and constructed at Mission Solano, that used water is collected and utilized to water the full array of different plants used in the project.

"There are a diverse group of plants that work together to benefit one another," Newell said.

While many of the plants are grown for food, some also attract beneficial insects or condition the soil to promote healthy growth.

Kathleen Huffman, the landscaper who designed the food forest at Mission Solano, said the installed gray water systems could produce up to 120,000 gallons of water. The garden would eventually use as much as 20,000 to 30,000 ; less than the amount used by the average suburban lawn.

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The project was funded through the Solano County Water Agency and represents a move to the future, said Roland Sanford, the agency's general manager.

"As far as the location, it's the perfect setting for demonstrating the use of gray water," Sanford said. "Things like gray water use . . . that's really the future. It's a much better use of resources."

The savings in money is one benefit but the primary benefit is the savings in water. Heavy rainfalls earlier this year helped end drought conditions statewide but those conditions in California always loom around the corner.

"One year you have adequate rainfall and the next year you don't," Newell said. "Just because the drought is over doesn't mean it isn't coming back."

The project also utilized the assistance of Mission Solano's guests, who helped with all of the elements of gardening, from moving mulch to installing irrigation lines and pulling weeds.

"We're excited to see this thing grow," said Mission Solano CEO Brandon Wirth. "It isn't necessarily just for Mission Solano, either. It's a garden for the whole community."

That is true both in terms of the amount of produce expected to come from the garden and the fact that Sustainable Solano will periodically use the garden to help community members learn about the benefits of gray water systems and sustainable gardening.

How both the guests and garden will come to rely upon one another and help each other reach a level of self-sufficiency was a big part of the beauty of the program, according to Sustainable Solano Executive Director Elena Karoulina.

"It really demonstrates the power of community," Karoulina said. "This is the shortest day of the year (winter solstice) and it will soon be dark, but I hope this garden will be a reminder to us all that the light will eventually return."

Learn more

- Sustainable Solano will do similar projects in 2018 at private and public locations in both Suisun City and Vacaville. To apply for the program or to learn more about workshops related to the topic, visit sustainablesolano.org or contact Nicole at nicole@sustainablesolano.org.

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Tags: [A1](#), [Printed](#)

Bill Hicks

Bill Hicks is a Reporter and Copy Editor for the Daily Republic. He covers Education-Travis School District and Solano Community College; and General Assignment. Reach him at 427-6958 or bhicks@dailyrepublic.net.

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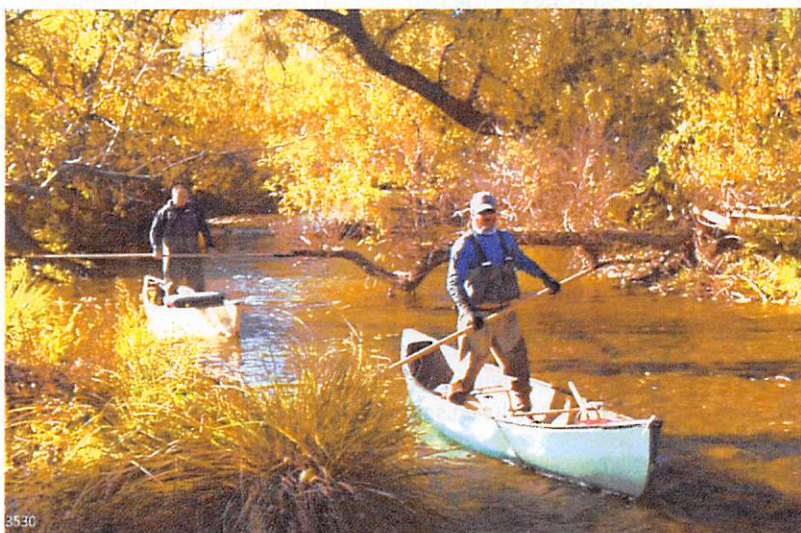
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FAIRFIELD-SUISUN CITY, CALIFORNIA



Researchers from UC Davis canoe their way down Putah Creek as part of the annual salmon count. The 2017 count has placed the number of fish at 500, a sharp decline from the nearly 2,000 fish recorded in 2016. (Courtesy photo)

Salmon numbers drop by 75 percent in Putah Creek

By **Todd R. Hansen**

WINTERS — The largest salmon since the start of restoration efforts in Putah Creek was found in the stream this fall – but the 45-pound female was a highlight among a significant drop in overall numbers of fish coming up to spawn.

“It’s the biggest fish we have seen on Putah Creek, a 5-year fish at least,” said Rich Marovich, the streamkeeper for Putah Creek.

He said about 500 salmon have made their way up the creek, although there are still some individuals still making their way up, and at least one recent report had 40 larger and fresh salmon in the stream a week ago.

Still, there were nearly 2,000 fish last fall and that was a record in a three-year run that saw the numbers climb from 200 fish in 2014 to 800 in 2015.

“It’s hard to say,” Marovich said about the decline. “Numbers are down in the hatcheries (because of the drought), and so fewer numbers are coming back all together.”

ducted by researchers from the University of California, Davis, since the return of the fall-
n started in November.

about four times a week, two days from the dam to (Highway) 505 and two days from 505
tion,” said Ken Davis, an aquatic biologist and photographer who has been involved in the

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creek restoration since the beginning.

The final count for this fall's run is expected to be completed as early as the end of next week, but that depends on whether there are enough new fish observed to keep the count going.

Speculation by local biologists and other researchers was that most of those 2,000 fish in Putah Creek were hatchery spawns that had been trucked out to the Delta and beyond for release, and therefore did not develop the internalized environmental markers they would have gained by swimming out to the ocean, then used to come back.

That theory was supported by examining carcasses on the creek, work that showed the vast majority of those fish had come from the Mokelumne River Hatchery, although some also came from as far away as the Moss Landing Hatchery, which is in Monterey County.

The 45-pounder, Marovich said, has to be at least 5 years old, but her origin is unknown. Salmon generally stay in the ocean for two or three years and then make their way back to their birth waters to spawn.

A genetic study on salmon taken from Putah Creek by UC Davis scientists should answer the origin issues a bit more clearly. Examining the otoliths, small ear bones in the fish, will tell researchers where those individuals were born. In fact, they can tell where their mothers also hatched. The final stage of that study has been delayed, but results are expected early in the new year.

Local officials are hoping to find that some of those fish were, in fact, hatched in Putah Creek and returned to spawn another generation.

If that proves to be the case, the fish will be the foundation of a Putah Creek "race" of salmon.

Additionally, starting in May, juvenile salmon were trapped and tagged with Passive Integrated Transponders that will tell researchers how long they stay in the creek, when they leave, how long the journey takes and, perhaps most importantly, how many survive this part of the their journey.

The reason California hatcheries chose to truck their juveniles out to the Pacific starting in 2014 was largely due to what proved to be a five-year drought, which produced some of the lowest rainfall and runoff totals in state history.

Those officials have said they knew the consequences of the decision, but believe even fewer fish would have survived if left to reach the ocean on their own.

The lack of runoff during the early winter this year, Marovich added, may also help to explain the lower numbers in Putah Creek.

"This year . . . we have not had a day of runoff," Marovich said.

But he also noted that a 500 salmon count four years ago would have been lauded.

Marovich said more creek restoration, particularly in developing spawning redds and stronger, and colder water flow through the main channel will continue to help the migration.

However, delays in federal permitting is putting some of that work at risk because more than \$1 million in grant funds could be lost after the construction season of 2018, Marovich said.

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Tags: [A1](#), [Printed](#)

Todd R. Hansen

Todd R. Hansen is Reporter-Editor for the Daily Republic. He covers Solano County, Transportation, the Environment and General News. You can reach him at 925-427-6932 or thansen@dailyrepublic.net.



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ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: January 11, 2018

SUBJECT: Nominations for Special District Member Position on County-wide Redevelopment Oversight Board

RECOMMENDATION:

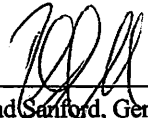
Nominate SCWA Board member for election to county-wide Redevelopment Oversight Board.

FINANCIAL IMPACT:

None

BACKGROUND:

The Solano Local Agency Formation Commission is calling for nominations for the Special District Member position on the county-wide Redevelopment (RDA) Oversight Board (see attached). The Water Agency is not required to nominate a candidate and can nominate no more than one candidate. Pursuant to the nomination protocols set forth in the attached letter, only three of the Water Agency's Board Members – the respective directors of Reclamation District 2068, Maine Prairie Water District, and Solano Irrigation District are eligible for nomination.

Recommended: 
Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

☐

Continued on
next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 11, 2018 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency



Solano Local Agency Formation Commission

675 Texas St. Ste. 6700 • Fairfield, California 94533
(707) 439-3897 • FAX: (707) 438-1788

December 20, 2017

Roland Sanford, General Manager
Solano County Water Agency
810 Vaca Valley Parkway, Ste. 203
Vacaville CA 95688

RE: Special District Election Call for Nominations

Dear Mr. Sanford:

As noted in my November 7 letter and pursuant to Government Code § 56332 and the procedures for the Special District Selection Committee, I am announcing the election and calling for nominations for the Special District Member position on the county-wide Redevelopment (RDA) Oversight Board. Because only 5 Districts (less than a majority) replied regarding availability to convene a meeting, LAFCO will be conducting a mail election. Nominations are to be submitted to the LAFCO office *no later than 5:00 p.m. January 31*.

The following summarizes the process for a mail election:

Selection Committee: The independent special district selection committee (ISDC) shall consist of the presiding officer of the legislative body of each independent special district that was within the dissolved RDAs, and which are eligible to receive a portion of the Redevelopment Property Tax Trust Fund (RPTTF) under H&S Code §34188. In addition, "The members shall include districts located wholly within the county and those containing territory within the county representing 50% or more of the assessed value of taxable property of the district."

Please provide the name of your District's presiding officer or voting designee by January 22. Attached please find the current roster of the 13 eligible districts.

Nominations: Each District is entitled to nominate a maximum of one candidate. **It is important to note that the member selected by the committee shall be elected or appointed members of the legislative body of an independent special district residing within the county but shall not be members of the legislative body of a city or county. Nominations are to be submitted to the LAFCO office no later than 5:00 p.m. January 31.**

Commissioners

Nancy Shopay, Chair • Harry Price, Vice-Chair • Pete Sanchez • Jim Sperling • John Vasquez

Alternate Commissioners

Len Augustine • Shawn Smith • Skip Thomson

Staff

Rich Seithel, Executive Officer • Michelle McIntyre, Analyst • P. Scott Browne, Legal Counsel

Election Procedures: A ballot and list of nominees will be mailed to each District no later than February 2 (this will be considered the start of the voting period). Completed ballots must be received by LAFCO by 5:00 p.m. March 5 (close of voting period). Ballots will be counted March 6 and results announced March 7 via e-mail, USPS, and posted on LAFCO's website.

Other items of interest regarding election:

- Campaigning: Eligible nominated candidates may circulate a statement of qualifications.
- Majority Vote: For an eligible candidate to be elected, a quorum (50% plus one) must vote. As a reminder, if the independent special district selection committee (ISDC) is unable to elect a Special District member for the RDA Oversight Board position, the Governor will appoint.
- USPS/e-mail: As an alternative to certified mail, the Executive Officer, with prior concurrence of the presiding officer, or alternate, may transit materials by electronic mail. If you concur with material transmission by e-mail, please send your concurrence to: rseithel@solanolafco.com.
- Chronology:
 - January 22 - provide the name of your District's presiding officer or voting designee;
 - January 31 - Nominations are to be submitted to the LAFCO office no later than 5:00 p.m.;
 - February 2 - A ballot and list of nominees will be mailed to each District no later than February 2;
 - March 5 - Completed ballots must be received by LAFCO by 5:00 p.m.;
 - March 6 - Ballots will be counted, and;
 - March 7 - results announced.

Sincerely,

A handwritten signature in black ink, appearing to read "Rich Seithel" followed by a stylized flourish.

Rich Seithel
Executive Officer

Att: Roster

Agency	Chair/President	Address
1 Solano County Mosquito Abatement District	Larry Petrie, President Richard Snyder, Manager solmad@aol.com	2950 Industrial Ct. Fairfield, CA 94533-6500 (707) 437-1187 http://www.solanomosquito.com
2 Greater Vallejo Recreation District	Liat Meitzenheimer, Chair Gabriel Lanusse glanusse@gvrd.org	395 Amador St. Vallejo, CA 94590 (707) 648-4600 www.gvrd.org
3 Vallejo Flood and Wastewater District	Bob Sampayan, President Melissa Morton, District Manager mmorton@vsfcd.com	450 Ryder Street Vallejo, CA 94590 (707) 644-8949 www.vallejowastewater.org
4 Suisun Resource Conservation District	Tony Vaccarella, President Steven Chappell, Executive Director SChappell@SuisunRCD.org	2544 Grizzly Island Road Suisun City, CA 94585-9539 (707) 425-9302 SRCD@suisunrcd.org
5 Dixon Resource Conservation District	Davide Viguie, President John Currey, District Manager john-currey@dixonrcd.org	1170 N. Lincoln, Ste 110 Dixon, CA 95620 (707) 678-1655 www.dixonrcd.org
6 Solano Resource Conservation District	Joe Martinez, President Chris Rose, Executive Director chris.rose@solanorcd.org	1170 N. Lincoln, Ste 110 Dixon, CA 95620 (707) 678-1655 (X 101) www.solanorcd.org
7 Solano County Water Agency	Pete Sanchez, Chair Roland Sanford, General Manager rsanford@scwa2.com	810 Vaca Valley Parkway, Ste 203 Vacaville, CA 95688 (707) 451-6090 www.scwa2.com
8 Solano Irrigation District	Glen Grant, President Cary Keaten, General Manager ckeaten@sidwater.org	810 Vaca Valley Parkway, Ste 201 Vacaville, CA 95688 (707) 448-6847 www.sidwater.org
9 Rio Vista Montezuma Cemetery District	Richard Dana, Chairperson Rosanne D'Amico, Manager/Secty rosanned@citilink.net	1350 S. 4th St. Rio Vista, CA 94571 (707) 374-5070
10 Solano Cemetery District (operates Rockville and Suisun Fairfield)	Earl Kilmer, Chairman Doris Goodrich, General Manager doris@solanocemeteries.us	4219 Suisun Valley Road Fairfield, CA 94534 (707) 864-2421 www.solanocemeteries.us
11 Silveyville Cemetery District	Margarite Kittyle, Chairperson Melissa Apaka, District Mgr m.apaka@silveyvillecemetery.com	8001st Street Dixon, CA 95620 (707) 678-5578 silveyvildist@att.net
13 Vaca-Elmira Cemetery District	H. Lee Tedder, Chairman Glenn Richards vecd@castles.com	522 Elmira Road Vacaville, CA 95687 (707) 448-7206

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: January 11, 2018

SUBJECT: Appointment of Legislative and Water Policy Committees

RECOMMENDATION:

Appoint Legislative and Water Policy Committees and establish respective meeting calendars

FINANCIAL IMPACT:

None

BACKGROUND:

Legislative Committee

The Legislative Committee consists of seven members; five Board members appointed by the Board Chair, one member appointed by the Solano Water Advisory Commission, and the Water Agency's Legislative Advocate. The committee typically meets monthly – the first Thursday of the month – and reviews pending legislation for possible "support/non-support" recommendation to the full Board. In 2017 the Legislative Committee consisted of the following members:

2017 Legislative Committee

Supervisor Skip Thomson (Chair)
Mayor Norman Richardson
Mayor Elizabeth Patterson
Director Dale Crossley
Director John Kluge
Felix Riesenber, Solano Water Advisory Commission
Patrick Leathers, Water Agency Legislative Advocate

Recommended: 
Roland Sanford, General Manager

☐

Approved as
recommended

☐

Other
(see below)

☒

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next page

Modification to Recommendation and/or other actions:

I, Roland Sanford, General Manager and Secretary to the Solano County Water Agency, do hereby certify that the foregoing action was regularly introduced, passed, and adopted by said Board of Directors at a regular meeting thereof held on January 11, 2018 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

Water Policy Committee

The Water Policy Committee consists of six members; five Board members appointed by the Board Chair, and one member appointed by the Solano Water Advisory Commission. The committee typically meets monthly – the fourth Monday of the month – and reviews State and Federal policies as they pertain to the Water Agency, drafts, and recommends policies for consideration by the full Board.

In 2017 the Water Policy Committee was assigned the task of drafting flood management policies that will in essence define the Water Agency's future role in flood management (Goal 3 of the 2016-2025 SCWA Strategic Plan).. To accomplish this task an additional Board member, Supervisor John Vasquez, was assigned to the Water Policy Committee. The flood management work task is in progress and is scheduled for completion later this winter. In 2017 the Water Policy Committee consisted of the following members:

2017 Water Policy Committee

Supervisor Erin Hannigan (Chair)
Mayor Norman Richardson
Mayor Elizabeth Paterson
Director Dale Crossley
Director John Kluge
Royce Cunningham, Solano Water Advisory Commission
Supervisor John Vasquez (for purposes of developing flood management policy)

The development of flood management policy – policies that will define the future role of the Water Agency with regard to flood management – is a top priority and is also proving to be an arduous task. A meeting facilitator has been retained to work with committee members. In the interest of efficiency, staff recommends either the existing Water Policy Committee be retained for 2018, with the possible appointment of a replacement for the late Mayor Norman Richardson, or the existing 2017 Water Policy Committee be recast as an "Ad Hoc Flood Management Policy Development Committee".

Tentative 2018 Committee Meeting Calendars

Pursuant to existing protocol, staff recommends the following tentative committee meeting schedules for 2018:

Legislative Committee

February 1
March 1
April 5
May 3
June 7
August 2
September 6
October 4
November 1
December 6

Water Policy Committee

January 22
February 26
March 26
April 23
May 28
June 25
July 23
August 27
September 24
October 22
November 26