

# 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 Norm Richardson  
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, July 13, 2017

**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. **CONSENT ITEMS**

- (A) Minutes: Approval of the Minutes of the Board of Directors meeting of June 8, 2017 is recommended.
- (B) Expenditure Approvals: Approval of the June 2017 checking account register is recommended.
- (C) Quarterly Financial Reports: Approve the Income Statement and the Balance Sheet of June 30, 2017.
- (D) Amendment to Agreement with Solano Resource Conservation District for continuation of Suisun Marsh Watershed Education Program: Authorize General Manager to execute Amendment Number 1 with Solano Resource Conservation District, increasing funding by \$8,000, from \$137,500 to \$145,500 for Suisun Marsh Watershed Education Program.
- (E) Contract Amendment for Residential Baseline Water Use Assessment: Authorize General Manager to execute Amendment No. 1 with EKI Environment and Water, Inc. for additional monitoring system support services, increasing total contract amount by \$19,000, from \$80,000 to \$99,000.



- (F) Approval of Letter Authorizing General Manager and Designees to make investments and disbursements on behalf of Water Agency to and from Account Number 5EQ-829793: Authorize General Manager, Accountant II and Accountant I to make investments to and disbursements from Water Agency Account Number 5EQ-829793 managed by Time Value Investments.
- (G) Contract for Annual Maintenance of Brackett Bosker Raking Machine by Ovivo USA, LLC: Authorize General Manager to execute \$40,000 contract with Ovivo USA, LLC to perform annual inspection, field service visits, address voltage issues, and provide materials & parts specific to the Ovivo Brackett Bosker® Raking Machine installed at the Putah Diversion Dam.
- (H) Adoption of Resolution Authorizing General Manger to Execute Grant Agreement with State Coastal Conservancy for Lower Putah Creek Salmon Spawning Habitat Enhancement Project: Adopt Resolution Number 2017-04 to secure \$50,000 grant on behalf of Lower Putah Creek Coordinating Committee.
- (I) Mitigation, Reporting, and Monitoring Plan for Final Program Environmental Impact Report for Lower Putah Creek Restoration Project-Upper Reach Program: Approve Mitigation, Reporting, and Monitoring Plan for Final Program Environmental Impact Report for Lower Putah Creek Restoration Project-Upper Reach Program.

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

RECOMMENDATION: For information only

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

RECOMMENDATION: For information only.

8. **PRESENTATION ON ENVIRONMENTAL HAZARDS OF ABANDONED LEAD-SHEATHED TELECOMMUNICATIONS CABLES** *(estimated time: 10 minutes)*

RECOMMENDATION: Hear presentation by representatives of Green Planet 21 on the environmental hazards of abandoned lead-sheathed telecommunications.

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

RECOMMENDATION:

1. Hear report from Committee Chair on activities of the SCWA Legislative Committee (No report, no committee meeting since June 8, 2017 Board meeting)

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

**RECOMMENDATIONS:**

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 (**No report, no committee meeting since June 8, 2017 Board meeting**)
3. Hear report from Supervisor Thomson on activities of the Delta Counties Coalition, Delta Protection Commission, and Delta Stewardship Council

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

Thursday, August 10, 2017 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](http://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.  
JULY.2017.bod.agd

# CONSENT ITEMS



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

**MEETING DATE: June 8, 2017**

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

Supervisor Erin Hannigan, Solano County District 1  
Supervisor Monica Brown, Solano County District 2  
Supervisor John Vasquez, Solano County District 4  
Supervisor Skip Thomson, Solano County District 5  
Mayor Thom Bogue, City of Dixon  
Councilmember Steve Young, City of Benicia  
Mayor Harry Price, City of Fairfield  
Councilmember Dilenna Harris, City of Vacaville  
Mayor Pete Sanchez, City of Suisun City  
Mayor Bob Sampayan, City of Vallejo  
Mayor Norman Richardson, City of Rio Vista  
Director John Kluge, Solano Irrigation District  
Director Dale Crossley, Reclamation District Number 2068

**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 a second by Mayor Price the Board unanimously approved the agenda.

**PUBLIC COMMENT**

There were no public comments.

**CONSENT ITEMS**

On a motion by Mayor Bogue and a second by Mayor Richardson the Board unanimously approved the consent items:

- (A) Minutes
- (B) Expenditure Approvals
- (C) Putah South Canal Suction Dredge Cleaning Pilot Project
- (D) Pre-Approval of Fiscal Year 2017-2018 Payments
- (E) Statement of Investment Policy
- (F) Appropriation Limit
- (G) Adoption of Revised Conflict of Interest Code

**BOARD MEMBER REPORTS**

Chair Sanchez reported he attended the May ACWA JPIA Conference in Monterey, and noted that during the conference Mike Hardesty, General Manager of Reclamation District 2068 was presented the ACWA Lifetime Achievement Award.

**GENERAL MANAGER'S REPORT**

General Manager Roland Sanford distributed a press release from the California Natural Resources Agency regarding the State's recently adopted Sacramento Valley Salmon Resiliency Strategy. Manager

Sanford noted the Resiliency Strategy includes plans to increase the frequency and duration with which the Yolo Bypass is inundated, for the benefit of juvenile salmon.

Manager Sanford reported the SCWA Water Policy Committee met on May 25, 2017 and is recommending the Board assign the task of developing flood management policies, to guide SCWA's future flood management activities, to the Committee, with the expectation the Committee's proposed flood management policies would be presented at the August Board of Directors meeting for Board consideration. Mr. Sanford noted the Committee is also recommending a County Supervisor be added to the Committee for the sole purpose of developing flood management policies, and that doing so would create a group consisting of two county supervisors, two mayors, and two irrigation district directors. Following brief discussion by the Board, Chair Sanchez directed the SCWA Water Policy Committee to proceed with the development of flood management policies and appointed Supervisor Vasquez to the Committee to assist with the development of said policies.

Manager Sanford stated the Board typically does not hold a July Board meeting and asked whether the forthcoming July Board meeting should be cancelled. Board member where polled and it was agreed the forthcoming July 13, 2017 Board meeting would be held as initially planned.

Manager Sanford noted that earlier in the day the Solano Subbasin Groundwater Sustainability Agency was formally established and thanked Principal Water Resources Specialist Chris Lee for his work on behalf of SCWA, to create the Solano Subbasin Groundwater Sustainability Agency.

#### **FINAL PROGRAM ENVIRONMENTAL IMPACT REPORT FOR THE LOWER PUTAH CREEK RESTORATION PROJECT-UPPER REACH PROGRAM**

Chair Sanchez began the discussion of the Final Program Environmental Impact Report (FPEIR) with a request for public comment. Five members of the public expressed their concerns and opposition to adoption of the FPEIR. Following public comment, SCWA Principal Water Resources Specialist Chris Lee gave a presentation in which he described the proposed project and the associated California Environmental Quality Act (CEQA) process to date. After extensive Board discussion, on a motion by Mayor Price and a second by Mayor Richardson the Board unanimously approved adopting the Resolution 2017-02 certifying the PEIR. Director Steve Young Abstained.

#### **SCWA BUDGET FOR FISCAL YEAR 2017-2018**

On a motion by Mayor Bogue and a second by Mayor Price the Board unanimously approved the Fiscal Year 2017-2018 Budget, as recommended by the SCWA Executive Committee.

#### **BUDGET IMPLEMENTATION ACTIONS**

Item 10A: State Water Project Tax Rate for Fiscal Year 2017-2018 On a motion by Mayor Richardson and second by Supervisor Hannigan the Board unanimously approved the establishment of a State Water Project tax rate of \$0.02 per \$100 of assessed valuation for fiscal year 2017-2018.

Item 10B: Cost of living adjustment for Water Agency Employees On a motion by Mayor Price and second by Director Crosley the Board unanimously approved a 2.5% cost of living adjustment to Water Agency employee salaries, effective July 2, 2017.

Item 10C: Consultant Services Contracts and Renewals General Manager Roland Sanford requested contract number 23 – Wilson Public Affairs – be pulled from the recommended list of consultant services contracts and renewals. On a motion by Mayor Richardson and second by Supervisor Vasquez the Board unanimously approved the remaining new contracts and contract renewals – numbers 1 through 22 and 24 through 25.

#### **ADOPTION OF RESOLUTION IN SUPPORT OF ACWA POLICY STATEMENT ON BAY-DELTA FLOW REQUIREMENTS**

On a motion by Councilmember Harris and a second by Mayor Price the Board approved Resolution 2017-03 in support of the ACWA policy statement on Bay-Delta flow requirements. Mayor Bogue, Mayor Richardson, Supervisor Brown and Supervisor Thomson voted no.

**PURCHASE ORDER FOR SOLANO PROJECT MOBILE WASH STATION  
INVASIVE MUSSEL DECONTAMINATION**

On a motion by Supervisor Vasquez and a second by Supervisor Thomson the Board unanimously approved issuance of a purchase order, of up to \$30,000, for acquisition of a mobile wash down station.

**LEGISLATIVE UPDATES**

The Legislative Committee met on May 16, 2017 and reviewed pending legislation. The Committee recommends the Board Chair sign letters of support for AB 851 (Caballero) Design and Build Contracting; and AB 1587 (Levine) Quagga Mussels.

On a motion by Mayor Price and a second by Mayor Richardson the Board unanimously approved the issuance of support letters for AB 851 and AB 1587.

**WATER POLICY UPDATES**

1. Current Delta Issues – no update
2. The Water Policy Committee met on May 25<sup>th</sup> and discussed need for flood management policies and ACWA's policy statement on Bay-Delta flow requirement.
3. Supervisor Thomson briefed the Board on recent activities of the Delta County Coalition, Delta Stewardship Council, and Delta Protection Commission.

**TIME AND PLACE OF NEXT MEETING**

Thursday, July 13, 2017 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 8:45 p.m.

---

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

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:** July 13, 2017  
**SUBJECT:** Expenditures Approval

**RECOMMENDATIONS:**

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

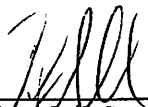
**FINANCIAL IMPACT:**

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 June, 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 July 13, 2017 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 Jun 1, 2017 to Jun 30, 2017

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
6/1/17	EFT	2020SC 1020SC	Invoice: HEALTH JUN 2017 CALPERS	15,664.98	15,664.98
6/1/17	FEHRENKAMP APR 2	6410AC 1020SC	INTUIT QUICKBOOKS - SOFTWARE BANK OF THE WEST	221.60	221.60
6/3/17	EFT	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 06.03.17 EMPLOYER LIABILITIES PPE 06.03.17 PAYROLL TAXES	14,679.62 3,452.46	18,132.08
6/5/17	30139V	2020SC 2020SC 2020SC 1020SC	Invoice: ICON OWNER POOL Invoice: ICON OWNER POOL 1 Invoice: ICON OWNER POOL 11 ICON OWNER POOL		3,200.00 5,000.00 4,424.00
6/5/17	30237	2020SC 1020SC	Invoice: 0487985 ACWA JOINT POWERS INSURANCE AUTHORITY	1,522.56	1,522.56
6/5/17	30238	2020SC 1020SC	Invoice: A713277 BSK ASSOCIATES	60.00	60.00
6/5/17	30239	2020SC 1020SC	Invoice: 0000001055268 DEPARTMENT OF GENERAL SERVICES	1,235.00	1,235.00
6/5/17	30240	2020N 1020SC	Invoice: 0577 DIXON TRIBUNE	97.50	97.50
6/5/17	30241	2020SC 1020SC	Invoice: 4479492 EVERBANK COMMERCIAL FINANCE	1,096.25	1,096.25
6/5/17	30242	2020SC 1020SC	Invoice: 9446199847 GRAINGER	779.77	779.77
6/5/17	30243	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 2022415 Invoice: 2022416 Invoice: 9012148 Invoice: 9022760 Invoice: 4014432 Invoice: 4014433 HOME DEPOT CREDIT SERVICE	361.29 73.02 439.88 105.44 32.19 473.14	1,484.96
6/5/17	30244	2020SC 1020SC	Invoice: 1X137260 HORIZON DISTRIBUTORS, INC.	62.15	62.15
6/5/17	30245	2020N 1020SC	Invoice: 0617-1 JEFFREY J JANIK	750.00	750.00
6/5/17	30246	2020SC 1020SC	Invoice: 0106664 JUST THE FINEST PEST MNGT	60.00	60.00
6/5/17	30247	2020SC 1020SC	Invoice: JUN 2017 EXEC MTG JOHN D. KLUGE	100.00	100.00
6/5/17	30248	2020SC 1020SC	Invoice: 10.01-2 LIFE SCIENCE	4,052.90	4,052.90
6/5/17	30249	2020SC 1020SC	Invoice: 503157 M&M SANITARY LLC	192.00	192.00
6/5/17	30250	2020SC 1020SC	Invoice: jun 2017 EXEC MTG RYAN MAHONEY	100.00	100.00
6/5/17	30251	2020SC 1020SC	Invoice: 01265 SHELDON	99.00	99.00

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
6/5/17	30252	2020SC 1020SC	Invoice: 0005449 SOLANO IRRIGATION DISTRICT	152,833.21	152,833.21
6/5/17	30253	2020SC 1020SC	Invoice: 1052 SOLANO RESOURCE CONSERVATION DISTRICT	7,467.45	7,467.45
6/5/17	30254	2020SC 2020SC 1020SC	Invoice: PROP 84 RD SOL MWL#6 Invoice: PROP84 RD2 SOL MWL#7 SONOMA RESOURCE CONSERVATION DISTRICT	12,393.65 11,079.87	23,473.52
6/5/17	30255	2020SC 2020SC 1020SC	Invoice: 80743 Invoice: 81415 STERLING MAY CO.	77.42 75.00	152.42
6/5/17	30256	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 49744 Invoice: 49763 Invoice: 49799 Invoice: 49877 Invoice: 49999 Invoice: 50041 SUISUN VALLEY FRUIT GROWERS AS	95.35 270.77 361.05 176.73 341.06 56.07	1,301.03
6/5/17	30257	2020SC 1020SC	Invoice: 12103878 THE TREMONT GROUP, INC.	172.75	172.75
6/5/17	30258	2020SC 1020SC	Invoice: 712443 VALLEY TRUCK & TRACTOR CO.	9,645.38	9,645.38
6/6/17	30239V	2020SC 1020SC	Invoice: 0000001055268 DEPARTMENT OF GENERAL SERVICES	1,235.00	1,235.00
6/6/17	COLIAS MAY 2017	6551AC 1020SC	FACEBOOK ADS BANK OF THE WEST	4.00	4.00
6/8/17	30259	2020SC 1020SC	Invoice: 1705133 AD SPECIAL TS	93.60	93.60
6/8/17	30260	2020SC 1020SC	Invoice: 2438396 AMERICAN TOWER CORPORATION	556.02	556.02
6/8/17	30261	2020SC 1020SC	Invoice: 17-339 BARTEL ASSOCIATES	651.00	651.00
6/8/17	30262	2020SC 1020SC	Invoice: 50577625 CHEVRON AND TEXACO	1,339.58	1,339.58
6/8/17	30263	2020SC 1020SC	Invoice: SARAH DAY AMBULANCE CITY OF VACAVILLE AMBULANCE	1,262.00	1,262.00
6/8/17	30264	2020SC 1020SC	Invoice: 0000001055268 DEPARTMENT OF GENERAL SERVICES	1,235.00	1,235.00
6/8/17	30265	2020SC 2020SC 1020SC	Invoice: 800019347960 Invoice: 800019348091 EAN SERVICES, LLC	624.94 936.04	1,560.98
6/8/17	30266	2020SC 1020SC	Invoice: 4168 EYASCO, INC.	16,053.12	16,053.12
6/8/17	30267	2020SC 2020SC 1020SC	Invoice: 81974 Invoice: 81973 GHD, INC.	272.00 1,904.00	2,176.00
6/8/17	30268	2020SC	Invoice: CL56117	856.79	

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		1020SC	INTERSTATE OIL COMPANY		856.79
6/8/17	30269	2020SC 1020SC	Invoice: 1417 IRON SPRINGS CORPORATION	5,516.00	5,516.00
6/8/17	30270	2020SC 1020SC	Invoice: 32883 LUHDORFF & SCALMANINI	19,236.25	19,236.25
6/8/17	30271	2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 752789 Invoice: 752791 Invoice: 753196 Invoice: 753198 Invoice: 755357 PISANIS AUTO PARTS	60.42 38.48 14.00 29.15 69.44	211.49
6/8/17	30272	2020SC 2020SC 1020SC	Invoice: 0430170229 Invoice: 0531170229 SHANDAM CONSULTING	2,475.00 577.50	3,052.50
6/8/17	30273	2020U 1020SC	Invoice: MAY 2017 SOLANO COUNTY FLEET MANAGEMENT	1,125.06	1,125.06
6/8/17	30274	2020SC  1020SC	Invoice: LPCCC PROP 1-2017-06 STREAMWISE	8,843.60	8,843.60
6/8/17	30275	2020SC 1020SC	Invoice: MAY 2017 SUSTAINABLE SOLANO	8,625.06	8,625.06
6/8/17	30276	2020SC 1020SC	Invoice: 201706-13098 TERRA REALTY ADVISORS, INC.	372.09	372.09
6/8/17	30277	2020SC 1020SC	Invoice: 200362360 TRACTOR SUPPLY CREDIT PLAN	27.43	27.43
6/8/17	30278	2020SC  1020SC	Invoice: VICTORIA MAKABALI VICTORIA MAKABALI	595.00	595.00
6/8/17	30279	2020SC  1020SC	Invoice: KATHY MARCHESSAULT KATHRYN MARCHESSAULT	900.00	900.00
6/8/17	30280	2020SC 1020SC	Invoice: RACHEL PINA RACHEL PINA	50.00	50.00
6/8/17	30281	2020SC 1020SC	Invoice: SUSAN SAGUAR SUSAN SAGUAR	552.00	552.00
6/8/17	30282	2020SC 2020SC  2020SC  1020SC	Invoice: ICON OWNER POOL Invoice: ICON OWNER POOL I Invoice: ICON OWNER POOL II ICON OWNER POOL	3,200.00 5,000.00  4,424.00	12,624.00
6/8/17	30283	2020SC 1020SC	Invoice: 0005958655 VACAVILLE REPORTER	1,689.66	1,689.66
6/8/17	30284	2020SC 2020SC 1020SC	Invoice: LPCCC-FY2016-17_8 Invoice: SCWA-FY2016-17_8 WILDLIFE SURVEY & PHOTO SERVICES	2,648.42 10,552.50	13,200.92
6/9/17	EFT	2020SC 1020SC	Invoice: 2017060701 PAYCHEX, INC.	230.95	230.95
6/9/17	EFT	2020SC 1020SC	Invoice: PPE 06.03.17 CALPERS	8,049.00	8,049.00
6/9/17	EFT	2020SC	Invoice: PEPRA PPE 06.03.17	982.36	

## SOLANO COUNTY WATER AGENCY

## Cash Disbursements Journal

For the Period From Jun 1, 2017 to Jun 30, 2017

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		1020SC	CALPERS		982.36
6/9/17	EFT	2020SC	Invoice: SIP PPE 06.03.17	4,116.04	
		1020SC	CALPERS		4,116.04
6/11/17	ASHLEY MAY 2017	6166SC	NAPOLI PIZZA - INTERN MEETING	239.37	
		6210AC	NAPOLI PIZZA - BOARD MEETING	61.40	
		6040AC	NAPOLI PIZZA - ADVISORY COMM	92.03	
		6040AC	NAPOLI PIZZA - FCAC MEETING	101.97	
		6040AC	REMOTELINK - HEW REBATE CONF CALL	9.51	
		6040AC	WALMART - TEAM MEETING	10.00	
		6040AC	MURILLOS - TEAM MEETING	173.77	
		6040AC	SIMONS STAMPS - ACCOUNTING STAMPS	95.80	
		6166SC	NAPOLI PIZZA - INTERN MEETING	158.34	
		6166SC	WALMART - INTERN MEETING	5.00	
		6040AC	VISTA PRINT - ALEX RABIDOUX BUSINESS CARDS	41.96	
		6040AC	REMOTELINK - CONF CALL	4.84	
		6040AC	X STAMPER - NAME PLATE FOR SPENCER BEI	18.38	
		6166SC	PUREGRAIN BAKERY - INTERN MEETING	79.75	
		6166SC	WAL MARI - INTERN MEETING	8.98	
		6040AC	REMOTELINK - CONF CALL	57.28	
		6040AC	WALMART - CCCC MEETING	7.98	
		1020SC	BANK OF THE WEST		1,166.36
6/14/17	30285	2020SC	Invoice: CEQA PEIR	50.00	
		1020SC	YOLO COUNTY CLERK/RECORDER		50.00
6/14/17	30286	2020SC	Invoice: CEQA PEIR	3,128.25	
		1020SC	SOLANO COUNTY CLERK OF THE BOARD		3,128.25
6/16/17		6040AC	HANDBOOK	69.96	
		6040AC	ADMINISTRATION JUN 2017		
		6040AC	FSA PARTICIPANT FEE JUN 2017	113.50	
		1020SC	PAYCHEX, INC.		183.46
6/17/17	EFT	2024AC	EMPLOYEE LIABILITIES PPE 06.17.17	14,613.05	
		6012AC	EMPLOYER LIABILITIES PPE 06.17.17	3,214.75	
		1020SC	PAYROLL TAXES		17,827.80
6/19/17	30246V	2020SC	Invoice: 0106664		60.00
		1020SC	JUST THE FINEST PEST MNGT	60.00	
6/19/17	30287	2020SC	Invoice: A713782	300.00	
		1020SC	BSK ASSOCIATES		300.00
6/19/17	30288	2020SC	Invoice: 2422	1,450.33	
		1020SC	THE CHOP SHOP		1,450.33
6/19/17	30289	2020SC	Invoice: 300001222	895.13	
		1020SC	DAILY REPUBLIC, INC.		895.13
6/19/17	30290	2020SC	Invoice: T24480	180.00	
		2020SC	Invoice: T24497	325.00	
		1020SC	DEPARTMENT OF GENERAL SERVICES		505.00



**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
6/19/17	30291	2020SC 1020SC	Invoice: 4175 EYASCO, INC.	23,125.00	23,125.00
6/19/17	30292	2020SC 1020SC	Invoice: 82742 GHD, INC.	310.00	310.00
6/19/17	30293	2020SC 1020SC	Invoice: 086007 ANDY GIANNINI BOBCAT SERVICE	2,149.00	2,149.00
6/19/17	30294	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 84936 Invoice: 84937 Invoice: 84935 Invoice: 84934 HERUM \ CRABTREE \ SUNTAG	1,323.45 4,180.47 430.95 246.33	6,181.20
6/19/17	30295	2020SC 1020SC	Invoice: CL57538 INTERSTATE OIL COMPANY	902.57	902.57
6/19/17	30296	2020SC 1020SC	Invoice: 64773 NORMANDEAU ASSOCIATES, INC.	2,610.00	2,610.00
6/19/17	30297	2020SC 1020SC	Invoice: JET SYSTEM HALF DOWN OCONNELL JETTING SYSTEMS	14,560.60	14,560.60
6/19/17	30298	2020SC 1020SC	Invoice: 7648996-2 PACIFIC GAS & ELECTRIC CO,	110.00	110.00
6/19/17	30299	2020SC 1020SC	Invoice: 41116948 RECOLOGY VACAVILLE SOLANO	239.18	239.18
6/19/17	30300	2020SC 1020SC	Invoice: 0005540 SOLANO IRRIGATION DISTRICT	254,386.11	254,386.11
6/19/17	30301	2020SC 1020SC	Invoice: 1080 SOLANO RESOURCE CONSERVATION DISTRICT	4,458.25	4,458.25
6/19/17	30302	2020SC 1020SC	Invoice: 4 THINKING GREEN CONSULTANTS	955.00	955.00
6/19/17	30303	2020SC 1020SC	Invoice: STEPHEN BAHR STEPHEN BAHR	1,142.25	1,142.25
6/19/17	30304	2020SC 1020SC	Invoice: HSIU CHIN LIU HSIU CHIN LIU	630.00	630.00
6/19/17	30305	2020SC 1020SC	Invoice: JAMES EUSTIS JAMES EUSTIS	1,000.00	1,000.00
6/19/17	30306	2020SC 1020SC	Invoice: CHUCK EWING CHUCK EWING	1,000.00	1,000.00
6/19/17	30307	2020SC 1020SC	Invoice: TODD HEGY TODD HEGY	664.00	664.00
6/19/17	30308	2020SC 1020SC	Invoice: MARY MALONEY MARY MALONEY	1,000.00	1,000.00
6/19/17	30309	2020SC 1020SC	Invoice: JEANIE MAR JEANIE MAR	50.00	50.00
6/19/17	30310	2020SC 1020SC	Invoice: ERIC PESSAGNO ERIC PESSAGNO	605.00	605.00
6/19/17	30311	2020SC 1020SC	Invoice: PEGGY ROACH PEGGY ROACH	648.00	648.00

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
6/19/17	30312	2020SC 1020SC	Invoice: MATTHEW TOLSKY MATTHEW TOLSKY	1,000.00	1,000.00
6/19/17	30313	2020SC 1020SC	Invoice: 14676 WESTERN WEATHER GROUP	1,040.00	1,040.00
6/19/17	30314	2020SC 1020SC	Invoice: 310 WILSON PUBLIC AFFAIRS	10,000.00	10,000.00
6/19/17	30315	2020SC 1020SC	Invoice: JUN 2017 BOD MTG THOMAS BOGUE	100.00	100.00
6/19/17	30316	2020SC 1020SC	Invoice: JUN 2017 BOD MTG DALE CROSSLEY	116.05	116.05
6/19/17	30317	2020SC 2020SC 1020SC	Invoice: 72837 Invoice: 72838 INTEGRATED ENVIRONMENTAL RESTORATION	11,075.00 3,691.95	14,766.95
6/19/17	30318	2020SC 1020SC	Invoice: JUN 2017 BOD MTG JOHN D. KLUGE	100.00	100.00
6/19/17	30319	2020SC 1020SC	Invoice: JUN 2017 BOD MTG BOB SAMPAYAN	129.43	129.43
6/19/17	30319V	2020SC 1020SC	Invoice: JUN 2017 BOD MTG BOB SAMPAYAN	129.43	129.43
6/19/17	30320	2020SC 1020SC	Invoice: JUN 2017 BOD MTG JOHN VASQUEZ	100.00	100.00
6/19/17	30321	2020SC  1020SC	Invoice: JUN 2017 BOARD MTG DILENNA HARRIS	100.00	100.00
6/19/17	30322	2020SC  1020SC	Invoice: JUN 2017 BOARD MTG STEVE YOUNG	136.38	136.38
6/23/17	EFT	2020SC 1020SC	Invoice: 2017062101 PAYCHEX, INC.	247.15	247.15
6/23/17	EFT	2020SC 1020SC	Invoice: SIP PPE 06.17.17 CALPERS	4,207.62	4,207.62
6/23/17	EFT	2020SC 1020SC	Invoice: PPE 06.17.17 CALPERS	8,049.00	8,049.00
6/23/17	EFT	2020SC 1020SC	Invoice: PEPRA PPE 06.17.17 CALPERS	1,003.60	1,003.60
6/23/17	EFT	2020SC  1020SC	Invoice: PEPRA COLIAS 6.17.17 CALPERS	310.01	310.01
6/25/17	BARICH MAY 2017	6105SC  6300AC  6105SC  6310AC 1020SC	RIO VISTA SANITATION - GARBAGE JC GRAPHIX - SCWA LOGO ON TAHOE AND PRIUS RIO VISTA SANITATION - GARBAGE CHEVRON - FUEL BANK OF THE WEST	547.00  395.85  11.90  12.45	     967.20
6/25/17	CUETARA MAY 2017	6144AC  6144AC 6310AC  6310AC 6144AC 6310AC	ADOBE EXPORT - PDF EXPERT FOR ADOBE LOWES - SUPPLIES BERRYESSA SPORTING - FUEL CHEVRON - FUEL BEST BUY - SUPPLIES 76 - VV - FUEL	23.88  41.69 67.88  79.84 32.27 74.57	

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		6144AC	CABELAS - WADERS	149.94	
		6310AC	CHEVRON - FUEL	69.34	
		1020SC	BANK OF THE WEST		539.41
6/25/17	FLORENDO MAY 201	6551AC	VACAVILLE CLEANERS	18.00	
		6551AC	360 WEB SECURITY SITE - SITELOCK	50.00	
		6551AC	PARKING CONCEPTS - PARKING	15.00	
		6551AC	PARKING CONCEPTS - PARKING	9.00	
		6300AC	7 FLAGS CAR WASH - CAR WASH	12.99	
		6360AC	WATERSMART INNOVATIONS - CONFERENCE	285.00	
		1020SC	BANK OF THE WEST		389.99
6/25/17	JONES MAY 2017	6183SC	YOLO COUNTY LANDFILL - GARBAGE	26.00	
		6360AC	CHINA KING BUFFET	15.80	
		6360AC	THE GUN HOUSE HOTEL	283.80	
		6199SC	WALMART - SUPPLIES	20.32	
		6183SC	YOLO COUNTY LANDFILL - GARBAGE	12.00	
		6195SC	THE HOME DEPOT - SUPPLIES	243.51	
		1020SC	BANK OF THE WEST		601.43
6/25/17	LEE MAY 2017	6040AC	NUGGET MARKET - COOKIES FOR MTG	12.98	
		6410AC	CRUCIAL.COM - 4GB DDR3L	54.42	
		6112AC	GODADDY.COM - SOLANOOGSA.COM REGISTRATION	27.16	
		6410AC	ADOBE CREATIVE CLOUD - REGISTRATION	49.99	
		1020SC	BANK OF THE WEST		144.55
6/25/17	MAROVICH MAY 201	6130SC	BAY MEADOWS - SUPPLIES	587.20	
		6040AC	PAYPAL - FRAUDULANT CHARGE	50.00	
		6040AC	PAYPAL		50.00
		6040AC	KRISPY KREME - FRAUDULANT CHARGE	500.00	
		6040AC	KRISPY KREME - FRAUDULANT CHARGE		500.00
		6040AC	SPRINT - FRAUDULANT CHARGE	360.03	
		6040AC	SPRINT - FRAUDULANT CHARGE		360.03
		6199SC	ADOBE CREATIVE CLOUD - SOFTWARE	49.99	
		6360AC	PUTAH CREEK CAFE	71.88	
		6183SC	LOWES - SUPPLIES	65.39	
		6183SC	LOWES - SUPPLIES	3.55	
		6183SC	LOWES - SUPPLIES	12.85	
		6130SC	AMAZON	28.21	
		1020SC	BANK OF THE WEST		819.07
6/25/17	RABIDOUX MAY 201	6090AC	ENGINEERS BD - LICENSE RENEWAL	115.00	
		6090AC	OPC CA ENGINEERS BOARD	1.00	
		1020SC	BANK OF THE WEST		116.00
6/25/17	SANFORD MAY 2017	6210AC	PORTOLA HOTEL AND SPA - ACWA SPRING CONF ROOM STAY FOR PETE SANCHEZ	228.41	
		6330AC	CITY OF SAC PARKING	20.00	
		6330AC	CITY OF SAC PARKING	7.50	
		6040AC	CAFFE ITALIA - MEETING WITH DAVE OKITA	35.59	
		6210AC	GRA - GROUNDWATER CONFERENCE FOR ELIZABETH PATTERSON	100.00	
		1020SC	BANK OF THE WEST		391.50

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
6/25/17	SNYDER MAY 2017	6300AC	AGILIS LINXUP - VEHICLE GPS	91.96	
		6300AC	JIM HANSEN AUTO	174.79	
		6040AC	OFFICE DEPOT - SUPPLIES	11.72	
		6040AC	ULINE - SAFETY SUPPLIES	227.87	
		6310AC	CHEVRON - FUEL	41.90	
		6300AC	PACIFIC ACE HARDWARE - SUPPLIES	64.93	
		6310AC	CHEVRON - FUEL	62.55	
		1020SC	BANK OF THE WEST		675.72
6/25/17	WILLINGMYRE MAY	6360AC	SP BUSINESS - WEBINAR ON 1099'S	249.00	
		6040AC	PURE GRAIN BAKERY - CCCC MEETING	50.75	
		6040AC	NAPOLI PIZZA - CCCC MEETING	162.17	
		6199SC	GUNS FISHING AND OTHER - WADERS FOR DUC	236.76	
		6040AC	OFFICESUPPLY - SUPPLIES	624.41	
		6040AC	OFFICESUPPLY - SUPPLIES	186.00	
		6360AC	STATE OF CA DMV	2.00	
		1020SC	BANK OF THE WEST		1,511.09
6/26/17	10167	2020WC	Invoice: 17-05-3868	101.25	
		1020SC	MBK ENGINEERS		101.25
6/26/17	30323	2020SC	Invoice: PROP 84 RD 2 Q7 Q8	16,982.55	
		1020SC	ALAMEDA COUNTY WATER DISTRICT		16,982.55
6/26/17	30324	2020SC	Invoice: A714975	60.00	
		2020SC	Invoice: A714654	60.00	
		1020SC	BSK ASSOCIATES		120.00
6/26/17	30325	2020SC	Invoice: 000009816597	140.41	
		1020SC	CALNET3		140.41
6/26/17	30326	2020SC	Invoice: PROP 84 RD 2 Q7 & Q	247.57	
		1020SC	CITY OF NAPA WATER DIVISION		247.57
6/26/17	30327	2020SC	Invoice: PROP 84 RD 2 Q7 Q8	5,174.55	
		1020SC	CONTRA COSTA WATER DISTRICT		5,174.55
6/26/17	30328	2020SC	Invoice: PROP 84 RD2 Q7-Q8	216,000.00	
		1020SC	EAST BAY MUNICIPAL UTILITY DIST.		216,000.00
6/26/17	30329	2020SC	Invoice: 5-837-06753	650.39	
		1020SC	FEDEX EXPRESS		650.39
6/26/17	30330	2020SC	Invoice: 1x140748	128.25	
		1020SC	HORIZON DISTRIBUTORS, INC.		128.25
6/26/17	30331	2020SC	Invoice: 0106664	60.00	
		2020SC	Invoice: 0106865	60.00	
		1020SC	JUST THE FINEST PEST MNGT		120.00
6/26/17	30332	2020SC	Invoice: 153830	16,295.97	
		1020SC	LSA ASSOCIATES, INC.		16,295.97
6/26/17	30333	2020SC	Invoice: 5/11/17-6/11/17	1,106.03	
		1020SC	PACIFIC GAS & ELECTRIC CO,		1,106.03
6/26/17	30334	2020SC	Invoice: 1004367090	575.46	
		1020SC	PITNEY BOWES		575.46
6/26/17	30335	2020SC	Invoice: 7123	490.00	
		1020SC	REGIONAL GOVERNMENT SERVICES		490.00

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
6/26/17	30336	2020SC 2020SC 1020SC	Invoice: 0005542 Invoice: 0005543 SOLANO IRRIGATION DISTRICT	144.36 75,484.11	75,628.47
6/26/17	30337	2020U 2020U 2020U 1020SC	Invoice: 06036 Invoice: 06035 Invoice: 06034 SOLANO COUNTY PUBLIC WORKS DIVISION	4,353.68 5,895.64 10,505.92	20,755.24
6/26/17	30338	2020SC 2020SC 1020SC	Invoice: 1052 - I Invoice: I - I SOLANO RESOURCE CONSERVATION DISTRICT	8,518.30 9,975.00	18,493.30
6/26/17	30339	2020SC 1020SC	Invoice: PROP 84 RD2 Q7-Q8 SONOMA COUNTY WATER AGENCY	33,728.29	33,728.29
6/26/17	30340	2020SC  1020SC	Invoice: 006492990046JUL 2017 STANDARD INSURANCE COMPANY	1,450.34	1,450.34
6/26/17	30341	2020SC 2020SC 2020SC 1020SC	Invoice: 1827731031 Invoice: 1833765861 Invoice: 1838401591 STAPLES	245.22 160.91 180.78	586.91
6/26/17	30342	2020SC 1020SC	Invoice: 271 STATE WATER PROJECT CONTRACTORS AUTHORI	16,058.00	16,058.00
6/26/17	30343	2020SC 1020SC	Invoice: PROP 84 RD2 Q7 & Q ALAMEDA COUNTY WASTE MANAGEMENT AUTHORI	8,177.56	8,177.56
6/26/17	30344	2020SC 1020SC	Invoice: 20961-25 THE REGENTS OF THE UNIVERSITY OF CA	3,966.54	3,966.54
6/26/17	30345	2020SC 1020SC	Invoice: 003 - BAWMRP THINKING GREEN CONSULTANTS	2,457.00	2,457.00
6/26/17	30346	2020SC 1020SC	Invoice: JAMES NOLAN JAMES NOLAN	1,000.00	1,000.00
6/26/17	30347	2020SC  1020SC	Invoice: OSCAR M. RODRIGUEZ OSCAR M. RODRIGUEZ	1,000.00	1,000.00
6/26/17	30348	2020SC 1020SC	Invoice: 691650 YELLOW SPRINGS INSTRUMENT CO.	803.44	803.44
6/26/17	30349	2020SC 1020SC	Invoice: PROP 84 RD2 Q7 Q8 ZONE 7 WATER AGENCY	1,622.37	1,622.37
6/26/17	30350	2020SC 1020SC	Invoice: GSA AGREEMENT SECRETARY OF STATE	1.00	1.00
6/27/17	30351	2020N 1020SC	Invoice: JUN 2017 CLEAN TECH ADVOCATES	8,600.00	8,600.00
6/28/17	30352	2020SC 1020SC	Invoice: 1878396 THE REINAL T-THOMAS CORP	154.97	154.97
6/28/17	30353	2020SC 2020SC 1020SC	Invoice: PASCUAL MAY 2017 Invoice: PASCUAL JUNE 2017 BANK OF THE WEST	1,183.02 141.20	1,324.22
6/28/17	30354	2020SC	Invoice: BA5046	500.00	

**SOLANO COUNTY WATER AGENCY**  
**Cash Disbursements Journal**  
**For the Period From Jun 1, 2017 to Jun 30, 2017**

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		2020SC	Invoice: BA5047	500.00	
		2020SC	Invoice: BA5049	500.00	
		1020SC	BLANKINSHIP & ASSOCIATES, INC.		1,500.00
6/28/17	30355	2020SC	Invoice: 144181	685.86	
		1020SC	DEPT OF FORESTRY & FIRE PROTECTION		685.86
6/28/17	30356	2020U	Invoice: JUN 2017	508.74	
		1020SC	SOLANO COUNTY FLEET MANAGEMENT		508.74
6/28/17	30357	2020U	Invoice: 06037	12,052.11	
		2020U	Invoice: 06038	14,132.20	
		1020SC	SOLANO COUNTY PUBLIC WORKS DIVISION		26,184.31
6/28/17	30358	2020SC	Invoice: 9786528206	2,650.96	
		1020SC	VERIZON WIRELESS		2,650.96
6/28/17	30359	2020SC	Invoice: 7005	3,250.00	
		1020SC	ZUNZUN		3,250.00
6/28/17	30360	2020SC	Invoice: IN-130903	76,951.40	
		1020SC	GLOBAL DIVING & SALVAGE, INC.		76,951.40
Total				<u>1,326,968.46</u>	<u>1,326,968.46</u>

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:** July 13, 2017

**SUBJECT:** Financial Report Approval

---

**RECOMMENDATION:**

Approve the quarterly Income Statement and Balance Sheet for the period ending June 30, 2017.


**FINANCIAL IMPACT:**

All revenues and expenditures are reported within previously approved budget amounts.

**BACKGROUND:**

The Water Agency auditor has recommended that the Board of Directors receive quarterly financial reports. Attached are the Income Statement and the Balance Sheet of the Water Agency for the period ending June 30, 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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

---

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

SOLANO COUNTY WATER AGENCY  
Year to Date Income Statement  
Compared with Budget and Last Year  
For the Twelve Months Ending June 30, 2017

		Actual	Current Year Budget	Current Year Amount	Variance Percent	Variance Actual	Last Year Last Year	Change from Change	Percent
Revenues									
4001G	SECURED	\$	69,341.28	\$ 70,700.00	(1,358.72)	(1.92)	\$ 66,685.01	2,656.27	3.98
4001N	SECURED		11,847,634.56	11,232,000.00	615,634.56	5.48	10,593,189.13	1,254,445.43	11.84
4001SC	SECURED		6,642,089.30	6,760,000.00	(117,910.70)	(1.74)	6,242,938.43	399,150.87	6.39
4001U	SECURED		866,787.79	848,000.00	18,787.79	2.22	804,218.58	62,569.21	7.78
4002G	UNSECURED		5,090.95	5,900.00	(809.05)	(13.71)	4,884.09	206.86	4.24
4002N	UNSECURED		318,324.35	355,000.00	(36,675.65)	(10.33)	320,910.19	(2,585.84)	(0.81)
4002SC	UNSECURED		380,649.80	395,000.00	(14,350.20)	(3.63)	385,336.53	(4,686.73)	(1.22)
4002U	UNSECURED		53,763.10	60,000.00	(6,236.90)	(10.39)	53,133.46	629.64	1.19
4003G	PRIOR UNSECURED		0.00	1,700.00	(1,700.00)	(100.00)	0.00	0.00	0.00
4004G	CURRENT SUPPLEMENTAL		804.18	0.00	804.18	0.00	993.56	(189.38)	(19.06)
4004N	CURRENT SUPPLEMENTAL		220,591.00	178,000.00	42,591.00	23.93	190,706.82	29,884.18	15.67
4004SC	CURRENT SUPPLEMENTAL		166,317.87	109,000.00	57,317.87	52.59	138,423.49	27,894.38	20.15
4004U	CURRENT SUPPLEMENTAL		26,468.15	18,000.00	8,468.15	47.05	18,542.61	7,925.54	42.74
4100N	WATER SALES		1,538,979.17	1,560,101.00	(21,121.83)	(1.35)	1,662,039.95	(123,060.78)	(7.40)
4100SC	WATER SALES		67,734.00	65,000.00	2,734.00	4.21	68,846.00	(1,112.00)	(1.62)
4102N	COST OF POWER TO PUMP NBA		0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00
4103N	CONVEYANCE SETTLEMENT		0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
4110N	NAPA MAKE WHOLE		312,000.00	312,000.00	0.00	0.00	312,000.00	0.00	0.00
4120N	SWP ADJUSTMENTS		532,676.00	400,000.00	132,676.00	33.17	400,789.08	131,886.92	32.91
4122N	PROP 84 INTAKE GRANT		134,550.00	140,525.00	(5,975.00)	(4.25)	164,000.00	(29,450.00)	(17.96)
4123SC	VFPD PDO REIMBURSEMENT		0.00	0.00	0.00	0.00	84,490.75	(84,490.75)	(100.00)
4150SC	EQUIPMENT DISTRIBUTION REIMBUR		26,516.00	100,000.00	(73,484.00)	(73.48)	38,916.00	(12,400.00)	(31.86)
4402WC	INTEREST - MONEY MGMT		2.37	5.00	(2.63)	(52.60)	3.06	(0.69)	(22.55)
4403SC	INTEREST - CHECKING		164.13	450.00	(285.87)	(63.53)	427.56	(263.43)	(61.61)
4404N	INTEREST - LAIF - SWP		16,270.47	7,400.00	8,870.47	119.87	6,119.22	10,151.25	165.89
4404SC	INTEREST - LAIF - SP		26,838.33	15,200.00	11,638.33	76.57	12,675.50	14,162.83	111.73
4404U	INTEREST - LAIF - ULATIS		6,316.97	2,200.00	4,116.97	187.14	3,059.60	3,257.37	106.46
4405N	INTEREST - CAMP - SWP		42,327.03	6,500.00	35,827.03	551.19	20,019.07	22,307.96	111.43
4405SC	INTEREST - CAMP - SP		62,395.11	13,500.00	48,895.11	362.19	41,468.09	20,927.02	50.47
4405U	INTEREST - CAMP - ULATIS		16,309.32	700.00	15,609.32	2,229.90	10,009.51	6,299.81	62.94
4406SC	INTEREST - OTHER		14,925.54	14,926.00	(0.46)	(0.00)	18,305.17	(3,379.63)	(18.46)
4407N	INTEREST - INVESTMENTS		16,405.09	3,500.00	12,905.09	368.72	603.99	15,801.10	2,616.12
4407SC	INTEREST - INVESTMENTS		27,253.45	14,500.00	12,753.45	87.95	1,251.11	26,002.34	2,078.34
4407U	INTEREST - INVESTMENTS		6,283.71	3,500.00	2,783.71	79.53	302.00	5,981.71	1,980.70



SOLANO COUNTY WATER AGENCY  
Year to Date Income Statement  
Compared with Budget and Last Year  
For the Twelve Months Ending June 30, 2017

	Actual	Current Year Budget	Current Year Amount	Variance Percent	Variance Actual	Last Year Last Year	Change from Change	Percent
4408N INTEREST-CHANGE IN MARKET VAL		0.00	0.00	0.00	0.00	7,191.11	(7,191.11)	(100.00)
4408SC INTEREST-CHANGE IN MARKET VALU		0.00	0.00	0.00	0.00	14,895.88	(14,895.88)	(100.00)
4408U INTEREST-CHANGE IN MRKET VALUE		0.00	0.00	0.00	0.00	3,595.56	(3,595.56)	(100.00)
4507G HOMEOWNER RELIEF		1,180.00	1,200.00	(20.00)	(1.67)	1,166.00	14.00	1.20
4507N HOMEOWNER RELIEF		80,710.00	49,500.00	31,210.00	63.05	80,654.00	56.00	0.07
4507SC HOMEOWNER RELIEF		72,735.00	82,500.00	(9,765.00)	(11.84)	72,682.00	53.00	0.07
4507U HOMEOWNER RELIEF		10,762.00	10,400.00	362.00	3.48	10,675.00	87.00	0.81
4508G MISC. PROPERTY TAX		0.00	0.00	0.00	0.00	10.00	(10.00)	(100.00)
4508SC MISC. PROPERTY TAX		0.00	0.00	0.00	0.00	608.00	(608.00)	(100.00)
4508U MISC. PROPERTY TAX		0.00	0.00	0.00	0.00	89.00	(89.00)	(100.00)
4600SC REDEVELOPMENT - DIX/RV		49,736.49	38,000.00	11,736.49	30.89	37,807.03	11,929.46	31.55
4601SC REDEVELOP - VACAVILLE		472,368.91	449,000.00	23,368.91	5.20	428,656.85	43,712.06	10.20
4601U REDEVELOP - VACAVILLE		270,936.27	258,167.00	12,769.27	4.95	246,308.68	24,627.59	10.00
4602G REDEVELOP - FAIRFIELD		43,649.60	46,834.00	(3,184.40)	(6.80)	32,035.19	11,614.41	36.26
4602SC REDEVELOP - FAIRFIELD		614,348.36	604,000.00	10,348.36	1.71	639,379.14	(25,030.78)	(3.91)
4603SC REDEVELOP - SUISUN CITY		207,860.28	204,500.00	3,360.28	1.64	206,564.83	1,295.45	0.63
4604SC REDEVELOP - VALLEJO		22,396.87	0.00	22,396.87	0.00	0.00	22,396.87	0.00
4605SC REDEVELOP - N. TEXAS		10,431.32	15,500.00	(5,068.68)	(32.70)	15,832.02	(5,400.70)	(34.11)
4702SC BOATING AND WATERWAYS		66,481.35	155,000.00	(88,518.65)	(57.11)	116,752.49	(50,271.14)	(43.06)
4703SC SOLANO CO OIL REIMBURSEMENT		19,840.67	24,000.00	(4,159.33)	(17.33)	24,000.00	(4,159.33)	(17.33)
4900AC MISCELLANEOUS INCOME		18.94	0.00	18.94	0.00	0.00	18.94	0.00
4900N MISC INCOME		17,240.73	0.00	17,240.73	0.00	0.00	17,240.73	0.00
4900SC MISCELLANEOUS INCOME		17,240.73	87,870.00	(70,629.27)	(80.38)	0.00	17,240.73	0.00
4922SC GREENHOUSE REVENUES		7,713.61	20,000.00	(12,286.39)	(61.43)	1,854.00	5,859.61	316.05
4930U O&M - OTHER AGENCIES		4,835.06	5,000.00	(164.94)	(3.30)	1,583.46	3,251.60	205.35
4940AC OVERHEAD DISTRIBUTION REIMB		2,419,213.42	2,580,014.00	(160,800.58)	(6.23)	2,806,624.06	(387,410.64)	(13.80)
4960WC WATERMASTER INCOME		3,444.40	4,600.00	(1,155.60)	(25.12)	4,737.84	(1,293.44)	(27.30)
4970AC WATER CONSERVATION REIMBURSE		0.00	186,000.00	(186,000.00)	(100.00)	401,939.61	(401,939.61)	(100.00)
4972AC BAY AREA IRWMP GRANT		980.36	643,000.00	(642,019.64)	(99.85)	604,271.41	(603,291.05)	(99.84)
4973AC WESTSIDE IRWMP GRANT		98,892.86	140,213.00	(41,320.14)	(29.47)	46,336.92	52,555.94	113.42
4978SC LPCCC SERVICES		0.00	570,000.00	(570,000.00)	(100.00)	31,274.86	(31,274.86)	(100.00)
4987SC LPCCC - RIVER PARKWAY V		0.00	600,000.00	(600,000.00)	(100.00)	232,471.50	(232,471.50)	(100.00)
4988SC LPCCC PLEASANTS CREEK		0.00	0.00	0.00	0.00	1,387.74	(1,387.74)	(100.00)
4991SC LPCCC - PRIORITY PROJECTS		0.00	0.00	0.00	0.00	31,055.79	(31,055.79)	(100.00)
4993SC LPCCC-PROP I		18,877.02	300,000.00	(281,122.98)	(93.71)	0.00	18,877.02	0.00

SOLANO COUNTY WATER AGENCY  
Year to Date Income Statement  
Compared with Budget and Last Year  
For the Twelve Months Ending June 30, 2017

	Actual	Current Year Budget	Current Year Amount	Variance Percent	Variance Actual	Last Year Last Year	Change from Change	Percent
4994SC LPCCC-COASTAL CONSERVANCY		0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00
4995SC LPCCC-IRWM		0.00	150,000.00	(150,000.00)	(100.00)	0.00	0.00	0.00
<b>Total Revenues</b>		<b>27,977,703.27</b>	<b>30,118,605.00</b>	<b>(2,140,901.73)</b>	<b>(7.11)</b>	<b>27,767,727.53</b>	<b>209,975.74</b>	<b>0.76</b>
<b>Cost of Sales</b>								
<b>Total Cost of Sales</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Gross Profit</b>		<b>27,977,703.27</b>	<b>30,118,605.00</b>	<b>(2,140,901.73)</b>	<b>(7.11)</b>	<b>27,767,727.53</b>	<b>209,975.74</b>	<b>0.76</b>
<b>Expenses</b>								
5500AC CAPITAL EXPENDITURES		39,643.01	80,550.00	(40,906.99)	(50.78)	51,749.76	(12,106.75)	(23.39)
5500N CAPITAL EXPENDITURES		3,468,985.59	3,525,000.00	(56,014.41)	(1.59)	12,128.96	3,456,856.63	28,500.85
5500SC CAPITAL EXPENDITURES		3,592,786.64	4,130,000.00	(537,213.36)	(13.01)	179,618.46	3,413,168.18	1,900.23
5500U CAPITAL EXPENDITURES		273,167.43	300,000.00	(26,832.57)	(8.94)	180,445.83	92,721.60	51.38
6010AC GROSS SALARIES		2,460,095.23	2,085,000.00	375,095.23	17.99	1,654,690.94	805,404.29	48.67
6011AC PERS RETIREMENT		254,355.45	292,000.00	(37,644.55)	(12.89)	243,302.32	11,053.13	4.54
6012AC PAYROLL TAXES		87,012.26	97,000.00	(9,987.74)	(10.30)	88,237.36	(1,225.10)	(1.39)
6013AC EMPLOYEE BENEFITS		201,132.70	951,400.00	(750,267.30)	(78.86)	184,447.32	16,685.38	9.05
6030AC TELEPHONE		21,074.43	22,300.00	(1,225.57)	(5.50)	22,279.43	(1,205.00)	(5.41)
6040AC OFFICE EXPENSE		34,335.45	24,400.00	9,935.45	40.72	23,504.43	10,831.02	46.08
6041AC OFFICE EQUIPMENT		28,340.43	28,750.00	(409.57)	(1.42)	24,928.18	3,412.25	13.69
6042AC SAFETY TRAINING & EQUIPMENT		6,977.76	6,500.00	477.76	7.35	3,999.61	2,978.15	74.46
6043AC OFFICE HELP - TEMPORARY		4,757.95	10,000.00	(5,242.05)	(52.42)	9,908.92	(5,150.97)	(51.98)
6050AC POSTAGE		5,109.13	5,900.00	(790.87)	(13.40)	5,975.20	(866.07)	(14.49)
6060AC SID OFFICE EXPENSE		36,051.64	47,300.00	(11,248.36)	(23.78)	41,742.17	(5,690.53)	(13.63)
6090AC MEMBERSHIPS		45,907.33	41,650.00	4,257.33	10.22	35,386.69	10,520.64	29.73
6090N SWC DUES		127,874.00	118,800.00	9,074.00	7.64	119,686.00	8,188.00	6.84
6100G PPTY TAX ADMIN FEE		1,131.00	1,000.00	131.00	13.10	1,084.00	47.00	4.34
6100SC PPTY TAX ADMIN FEE		106,193.00	100,000.00	6,193.00	6.19	101,011.00	5,182.00	5.13
6100U PPTY TAX ADMIN FEE		13,972.00	15,000.00	(1,028.00)	(6.85)	13,089.00	883.00	6.75
6105N PETERSEN RANCH EXPENSES		41,594.54	0.00	41,594.54	0.00	5,025.00	36,569.54	727.75
6105SC PETERSEN RANCH EXPENSES		43,720.07	0.00	43,720.07	0.00	5,025.00	38,695.07	770.05

SOLANO COUNTY WATER AGENCY  
Year to Date Income Statement  
Compared with Budget and Last Year  
For the Twelve Months Ending June 30, 2017

	Actual	Current Year Budget	Current Year Amount	Variance Percent	Variance Actual	Last Year Last Year	Change from Change	Percent
6111AC PS - PAYROLL SERVICES		7,208.10	7,100.00	108.10	1.52	6,893.98	314.12	4.56
6112AC PS - COMPUTER SERVICES		400,132.61	379,940.00	20,192.61	5.31	354,725.74	45,406.87	12.80
6115AC TALENT DECISION MONITORING		13,012.00	12,775.00	237.00	1.86	13,628.65	(616.65)	(4.52)
6128AC GOVERNMENTAL ADVOCACY		104,018.60	80,000.00	24,018.60	30.02	66,986.05	37,032.55	55.28
6128N GOVERNMENTAL ADVOCACY		0.00	0.00	0.00	0.00	12,000.00	(12,000.00)	(100.00)
6130SC LPCCC - VEGETATION		65,318.73	13,852.00	51,466.73	371.55	30,098.66	35,220.07	117.02
6140AC CONSULTANTS		301,546.61	336,213.00	(34,666.39)	(10.31)	235,411.83	66,134.78	28.09
6140G CONSULTANTS		0.00	2,000.00	(2,000.00)	(100.00)	0.00	0.00	0.00
6140N CONSULTANTS		432,859.91	949,550.00	(516,690.09)	(54.41)	508,045.45	(75,185.54)	(14.80)
6140SC CONSULTANTS		216,156.64	884,961.00	(668,804.36)	(75.57)	155,751.24	60,405.40	38.78
6140U CONSULTANTS		2,687.70	10,000.00	(7,312.30)	(73.12)	1,657.50	1,030.20	62.15
6144AC HYDROLOGY STATIONS		13,260.86	19,000.00	(5,739.14)	(30.21)	23,514.63	(10,253.77)	(43.61)
6144N HYDROLOGY STATIONS		9,169.45	18,500.00	(9,330.55)	(50.44)	12,090.92	(2,921.47)	(24.16)
6144SC HYDROLOGY STATIONS		56,690.85	80,000.00	(23,309.15)	(29.14)	40,957.47	15,733.38	38.41
6144U HYDROLOGY STATIONS		462.16	2,000.00	(1,537.84)	(76.89)	0.00	462.16	0.00
6148SC LPCCC - WILDLIFE		20,814.51	76,183.00	(55,368.49)	(72.68)	78,001.58	(57,187.07)	(73.32)
6149SC LPCCC - FISHERIES		79,853.47	76,183.00	3,670.47	4.82	52,310.97	27,542.50	52.65
6151SC USFWS (FISH & WILDLIFE)		254.43	0.00	254.43	0.00	0.00	254.43	0.00
6161N WATERSHED PROGRAM		42,589.32	213,220.00	(170,630.68)	(80.03)	112,111.62	(69,522.30)	(62.01)
6161SC SOLANO PROJECT MONITORING		9,736.14	10,000.00	(263.86)	(2.64)	19,876.81	(10,140.67)	(51.02)
6164SC SOLANO PROJECT INVASIVES		107,609.15	204,371.00	(96,761.85)	(47.35)	162,774.34	(55,165.19)	(33.89)
6166SC UPPER PUTAH CREEK MGMT		73,946.75	120,500.00	(46,553.25)	(38.63)	86,213.65	(12,266.90)	(14.23)
6170SC INTER-DAM REACH MANAGEMENT		7,237.97	25,000.00	(17,762.03)	(71.05)	0.00	7,237.97	0.00
6170WC MBK		13,400.45	35,000.00	(21,599.55)	(61.71)	28,157.00	(14,756.55)	(52.41)
6179SC LPCCC SERVICES		14,024.21	1,070,000.00	(1,055,975.79)	(98.69)	44,528.37	(30,504.16)	(68.51)
6181SC LPCCC EQUIPMENT		53,154.22	50,000.00	3,154.22	6.31	35,639.24	17,514.98	49.15
6183SC LPCCC NURSERY		51,932.35	30,000.00	21,932.35	73.11	41,712.34	10,220.01	24.50
6188SC LPCCC PLEASANTS CREEK		0.00	0.00	0.00	0.00	1,387.74	(1,387.74)	(100.00)
6190SC LPCCC PRIORITY PROJECTS		0.00	0.00	0.00	0.00	31,055.79	(31,055.79)	(100.00)
6193SC LPCCC-PROP 1		203,107.42	300,000.00	(96,892.58)	(32.30)	0.00	203,107.42	0.00
6195SC LPCCC-CA RIVER PRKWAY V		69,163.77	600,000.00	(530,836.23)	(88.47)	232,471.57	(163,307.80)	(70.25)
6196SC LPCCC-COASTAL CONSERVANCY		0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00
6197SC LPCCC-IRWM		97,001.54	150,000.00	(52,998.46)	(35.33)	0.00	97,001.54	0.00
6199SC LPCCC MISC. SUPPLIES		15,394.33	22,000.00	(6,605.67)	(30.03)	31,280.15	(15,885.82)	(50.79)
6210AC BOARD EXPENSES		24,168.66	31,000.00	(6,831.34)	(22.04)	31,701.87	(7,533.21)	(23.76)

SOLANO COUNTY WATER AGENCY  
Year to Date Income Statement  
Compared with Budget and Last Year  
For the Twelve Months Ending June 30, 2017

	Actual	Current Year Budget	Current Year Amount	Variance Percent	Variance Actual	Last Year Last Year	Change from Change	Percent
6230SC FIELD SUPPLIES		50,081.48	45,000.00	5,081.48	11.29	12,856.15	37,225.33	289.55
6230WC MISC WTRMASTER EXP		180.00	0.00	180.00	0.00	140.00	40.00	28.57
6250SC HCP PLANNING		324,337.27	3,445,000.00	(3,120,662.73)	(90.59)	372,337.39	(48,000.12)	(12.89)
6300AC CAR MAINTENANCE		14,803.31	13,500.00	1,303.31	9.65	14,791.24	12.07	0.08
6310AC FUEL		17,994.24	20,500.00	(2,505.76)	(12.22)	15,917.27	2,076.97	13.05
6320U GARAGE SERVICES		9,604.54	8,000.00	1,604.54	20.06	9,927.71	(323.17)	(3.26)
6330AC TRAVEL		9,393.55	7,000.00	2,393.55	34.19	4,771.47	4,622.08	96.87
6340AC EMPLOYEE REIMBURSEMENTS		9,747.63	15,000.00	(5,252.37)	(35.02)	12,063.07	(2,315.44)	(19.19)
6350AC INSURANCE		56,559.67	54,000.00	2,559.67	4.74	53,584.81	2,974.86	5.55
6360AC EDUCATION & TRAINING		11,876.77	20,000.00	(8,123.23)	(40.62)	15,606.33	(3,729.56)	(23.90)
6410AC COMP SOFTWARE/EQUIP		98,126.64	101,763.00	(3,636.36)	(3.57)	73,682.59	24,444.05	33.17
6551AC WATER CONSERVATION		1,038,495.23	1,399,250.00	(360,754.77)	(25.78)	1,332,233.27	(293,738.04)	(22.05)
6551N WATER CONSERVATION		0.00	480,250.00	(480,250.00)	(100.00)	240,541.01	(240,541.01)	(100.00)
6554AC MISC. WATER CONSERVATION GRANT		77,202.00	0.00	77,202.00	0.00	0.00	77,202.00	0.00
6600AC MELLON LEVEE		0.00	15,000.00	(15,000.00)	(100.00)	5,072.62	(5,072.62)	(100.00)
6600SC PSC MAINTENANCE		591,697.05	958,000.00	(366,302.95)	(38.24)	681,853.70	(90,156.65)	(13.22)
6610AC FLOOD CONTROL		75,159.95	636,500.00	(561,340.05)	(88.19)	59,762.72	15,397.23	25.76
6611AC GROUND WATER MANAGEMENT		58,276.68	99,492.00	(41,215.32)	(41.43)	18,522.22	39,754.46	214.63
6612AC PUBLIC EDUCATION		65,726.83	75,000.00	(9,273.17)	(12.36)	55,334.22	10,392.61	18.78
6620G LABOR		9,326.57	33,000.00	(23,673.43)	(71.74)	29,318.75	(19,992.18)	(68.19)
6620U LABOR		235,840.12	250,000.00	(14,159.88)	(5.66)	225,965.86	9,874.26	4.37
6630SC SP ADMINISTRATION		1,000,525.25	1,175,000.00	(174,474.75)	(14.85)	874,810.73	125,714.52	14.37
6640SC PSC OPERATIONS		173,928.24	278,000.00	(104,071.76)	(37.44)	228,254.89	(54,326.65)	(23.80)
6645SC DAM MAINTENANCE		9,938.66	64,000.00	(54,061.34)	(84.47)	10,328.89	(390.23)	(3.78)
6646SC DAM OPERATIONS		219,978.76	273,000.00	(53,021.24)	(19.42)	198,273.36	21,705.40	10.95
6650G WEED CONTROL		5,250.00	4,000.00	1,250.00	31.25	3,264.00	1,986.00	60.85
6650U SP PEST MANAGEMENT		59,517.67	70,000.00	(10,482.33)	(14.97)	57,641.06	1,876.61	3.26
6660G EQUIP - TRANS DEPT		1,255.15	8,000.00	(6,744.85)	(84.31)	4,509.47	(3,254.32)	(72.17)
6660U EQUIP - TRANS DEPT		65,212.06	60,000.00	5,212.06	8.69	51,761.33	13,450.73	25.99
6670G SUPPLIES		0.00	1,500.00	(1,500.00)	(100.00)	64.71	(64.71)	(100.00)
6670U SUPPLIES		14,482.09	24,000.00	(9,517.91)	(39.66)	11,111.03	3,371.06	30.34
6675G CONTRACT WORK		0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
6675U CONTRACT WORK		1,420.00	15,000.00	(13,580.00)	(90.53)	0.00	1,420.00	0.00
6680G TRANS DEPT OVERHEAD		2,984.51	10,000.00	(7,015.49)	(70.15)	9,381.88	(6,397.37)	(68.19)
6680U TRANS DEPT OVERHEAD		75,468.84	90,000.00	(14,531.16)	(16.15)	72,308.80	3,160.04	4.37

SOLANO COUNTY WATER AGENCY  
Year to Date Income Statement  
Compared with Budget and Last Year  
For the Twelve Months Ending June 30, 2017

	Actual	Current Year Budget	Current Year Amount	Variance Percent	Variance Actual	Last Year Last Year	Change from Change	Percent
6690G REHAB & BETTERMENT		0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
6690SC REHAB & BETTERMENT		17,910.28	1,000,000.00	(982,089.72)	(98.21)	2,699,108.00	(2,681,197.72)	(99.34)
6690U REHAB & BETTERMENT		0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
6700N WATER PURCHASES		11,110,217.43	11,279,025.00	(168,807.57)	(1.50)	9,800,942.05	1,309,275.38	13.36
6700SC USBR ADMINISTRATION		0.00	75,000.00	(75,000.00)	(100.00)	67,000.00	(67,000.00)	(100.00)
6701SC WATER RIGHTS FEE		68,588.56	82,500.00	(13,911.44)	(16.86)	65,494.70	3,093.86	4.72
6710N NAPA MAKE WHOLE		312,000.00	312,000.00	0.00	0.00	312,000.00	0.00	0.00
6950AC LABOR COSTS		298,413.48	223,578.00	74,835.48	33.47	195,148.73	103,264.75	52.92
6950G LABOR COSTS		2,761.72	2,000.00	761.72	38.09	1,380.62	1,381.10	100.03
6950N LABOR COSTS		185,325.89	224,832.00	(39,506.11)	(17.57)	228,652.17	(43,326.28)	(18.95)
6950SC LABOR COSTS		625,504.43	798,322.00	(172,817.57)	(21.65)	799,280.71	(173,776.28)	(21.74)
6950U LABOR COSTS		37,991.29	16,400.00	21,591.29	131.65	16,525.61	21,465.68	129.89
6951AC INTRA-FUND TRANSFER		(725,611.22)	(514,229.00)	(211,382.22)	41.11	(470,660.66)	(254,950.56)	54.17
6952AC OVERHEAD EXPENSES		427,197.74	290,651.00	136,546.74	46.98	275,511.93	151,685.81	55.06
6952G OVERHEAD EXPENSES		4,502.34	2,600.00	1,902.34	73.17	1,844.12	2,658.22	144.15
6952N OVERHEAD EXPENSES		267,766.37	292,282.00	(24,515.63)	(8.39)	331,877.08	(64,110.71)	(19.32)
6952SC OVERHEAD EXPENSES		1,087,790.69	1,222,259.00	(134,468.31)	(11.00)	1,300,192.99	(212,402.30)	(16.34)
6952U OVERHEAD EXPENSES		57,842.62	21,320.00	36,522.62	171.31	23,518.03	34,324.59	145.95
6990AC CONTINGENCY		0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
6990G CONTINGENCY		0.00	1,000.00	(1,000.00)	(100.00)	0.00	0.00	0.00
6990N CONTINGENCY		0.00	10,000.00	(10,000.00)	(100.00)	0.00	0.00	0.00
6990SC CONTINGENCY		0.00	100,000.00	(100,000.00)	(100.00)	0.00	0.00	0.00
6990U CONTINGENCY		0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
Total Expenses		31,562,722.33	43,140,193.00	(11,577,470.67)	(26.84)	25,862,059.37	5,700,662.96	22.04
Net Income		<u>(\$ 3,585,019.06)</u>	<u>(\$ 13,021,588.00)</u>	<u>9,436,568.94</u>	<u>(72.47)</u>	<u>\$ 1,905,668.16</u>	<u>(5,490,687.22)</u>	<u>(288.12)</u>

## SOLANO COUNTY WATER AGENCY

## Balance Sheet

June 30, 2017

## ASSETS

## Current Assets

			ADMIN/SP/W	SWP(N)	U	GV
1000SC	PERSHING	\$ 89,099.35	\$ 89,099.35			
1010WC	MONEY MGMT - WATERMASTER	5,079.16	5,079.16			
1020G	CHECKING	462,577.64	(3,779,201.74)	3,459,876.99	488,805.20	293,097.19
1030N	LAIF -	7,639,198.86	3,996,107.78	2,580,522.85	1,062,568.23	
1040N	CAMP - SWP	24,328,540.39	12,673,334.85	8,397,827.70	3,257,377.84	
1050N	CERTIFICATES OF DEPOSIT - SWP	4,988,682.55	3,055,126.26	1,366,063.18	567,493.11	
1210N	ACCOUNTS RECEIVABLE-SWP	1,009,948.25	700,590.65	309,357.60		
1225AC	RETENTION RECEIVABLE	33,936.68	33,936.68			
1400AC	PREPAID	21,831.53	21,831.53			
1415AC	INVENTORY-WATER CONSERVATION S	25,931.81	25,931.81			
Total Current Assets		\$ 38,604,826.22	\$ 16,821,836.33	\$ 16,113,648.32	\$ 5,376,244.38	\$ 293,097.19

## Other Assets

1300SC	NOTE RECEIVABLE	285,268.05	285,268.05			
1910SC	GREEN VALLEY LOAN	200,000.00	200,000.00			
Total Other Assets		485,268.05	485,268.05	0.00	0.00	0.00
Total Assets		\$ 39,090,094.27	\$ 17,307,104.38	\$ 16,113,648.32	\$ 5,376,244.38	\$ 293,097.19

## LIABILITIES AND CAPITAL

## Current Liabilities

			ADMIN/SP/W	SWP(N)	U	GV
2010N	UNEARNED INCOME-SWP	\$ 541,640.00	111,140.00	430,500.00		
2020N	ACCOUNTS PAYABLE-SWP	93,342.22	(54,305.04)	93,715.61	53,931.65	
2023AC	EMPLOYEE BENEFITS PAYABLE	3,923.66	3,923.66			
2025SC	SALES TAX PAYABLE	958.11	958.11			
2100SC	BENICIA PREFUNDED LAWN REBATES	30,272.25	30,272.25			
2110SC	WESTSIDE IRWMP PREFUNDED ADMIN	120,196.34	120,196.34			
2115AC	SHARP COPIER CONTRACT	6,366.79	6,366.79			
Total Current Liabilities		\$ 796,699.37	\$ 218,552.11	\$ 524,215.61	\$ 53,931.65	\$ 0.00

## Long-Term Liabilities

2310G	SOLANO PROJECT LOAN	200,000.00				200,000.00
2330SC	DEFERRED OUTFLOW OF CASH	373,138.25	373,138.25			
Total Long-Term Liabilities		\$ 573,138.25	\$ 373,138.25	\$ -	\$ -	\$ 200,000.00
Total Liabilities		1,369,837.62	591,690.36	524,215.61	53,931.65	200,000.00

## Capital

3150SC	OTHER FLD CTRL CAPITAL PROJ.	200,000.00	200,000.00			
3155SC	OTHER CAPITAL PROJ/EMERG RESER	1,000,000.00	1,000,000.00			
3200N	SWP OPERATING RESERVE	7,304,430.00		7,304,430.00		
3200SC	DESIGNATED REHAB & BETTERMENT	2,000,000.00	2,000,000.00			
3200U	ULATIS OPERATING RESERVE	486,654.44			486,654.44	
3250G	GV OPERATING RESERVE	70,292.30				70,292.30
3250N	DESIGNATED SWP FACILITIES RESE	6,908,819.30		6,908,819.30		
3250SC	SP FUTURE REPLACEMENT CAPITAL	14,079,425.93	14,079,425.93			
3250U	ULATIS OPERATING RESERVE	348,259.00			348,259.00	
3255U	ULATIS FCP CAPITAL RESERVE	4,428,092.26			4,428,092.26	
3350SC	DESIGNATED OPERATING RESERVES	4,451,750.70	4,451,750.70			
Net Income		(3,557,467.28)	9,334,036.52	(13,478,275.16)	485,660.91	101,110.45

SOLANO COUNTY WATER AGENCY  
Balance Sheet  
June 30, 2017

Total Capital	<u>37,720,256.65</u>	<u>31,065,213.15</u>	<u>734,974.14</u>	<u>5,748,666.61</u>	<u>171,402.75</u>
Total Liabilities & Capital	<u>\$ 39,090,094.27</u>	<u>\$ 31,656,903.51</u>	<u>\$ 1,259,189.75</u>	<u>\$ 5,802,598.26</u>	<u>\$ 371,402.75</u>

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:** July 13, 2017

**SUBJECT:** Amendment to Agreement with Solano Resource Conservation District for continuation of Suisun Marsh Watershed Education Program

---

**RECOMMENDATION:**

Authorize General Manager to execute Amendment Number 1 with Solano Resource Conservation District to increase funding for the Suisun Marsh Watershed Education Program.

**FINANCIAL IMPACT:**

Increase in contract amount of \$8,000, an increase from \$137,500 to \$145,500. There is funding available in the public education budget for this expense.

**BACKGROUND:**

The Solano Resource Conservation District administers the Suisun Marsh Watershed Education Program, a program which engages 6th and 7th grade students from throughout Solano County in learning about a unique and rare watershed, where their drinking water comes from, and how to protect and conserve water resources. The conclusion of another grant source has increased the program's overall costs/economies of scale, thereby lowering the number of students that can be invited to participate in the 2017 program. This additional funding would allow the Solano RCD to maintain its outreach to 350 students (13 classes) from Vaca Pena Middle School in Vacaville; without the funding, the Solano RCD would only be able to engage approximately 210 students (8 classes).

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

---

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



**SOLANO COUNTY WATER AGENCY**  
**AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES**

AMENDMENT NUMBER: 1

CONTRACTOR: Solano Resource Conservation District

EFFECTIVE DATE: July 13, 2017

PROJECT: Suisun Marsh Watershed Education Program

**DESCRIPTION OF AMENDMENT:**

1. Increase contract amount by \$8,000 from \$137,500 to \$145,500.

**SIGNATURES:**

Solano County Water Agency,  
a Public Agency

Solano Resource Conservation District

By: \_\_\_\_\_  
Roland Sanford, General Manager  
Solano County Water Agency

By: \_\_\_\_\_  
Chris Rose, Executive Director  
Solano Resource Conservation District

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: July 13, 2017

SUBJECT: Contract Amendment for Residential Baseline Water Use Assessment

RECOMMENDATION:

Authorize General Manager to execute Amendment No. 1 with EKI Environment and Water, Inc., for additional monitoring system support services, increasing total contract amount by \$19,000, from \$80,000 to \$99,000.

FINANCIAL IMPACT:

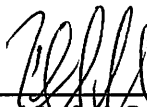
Funding is programmed and available in the FY 2017-2018 Water Conservation budget for these expenses.

BACKGROUND:

The Water Agency selected Erler & Kalinowski, Inc. (EKI) to conduct a pilot study in order to help gain a greater understanding of 1) Single-Family Residential (SFR) water use within Solano County, 2) the effectiveness of the SCWA water conservation programs, and 3) the remaining water conservation potential in the SFR sector.

Results of the pilot study were presented to the Board in April 2016. Based on the results of the pilot study, it was decided to expand the study to the other cities within the county as Phase 2. This second phase of the study is anticipated to be finalized by this fall. The amount and complexity of additional data entailed a greater level of effort than was originally anticipated.

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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



EKI Environment & Water, Inc.

577 Airport Boulevard, Suite 500  
Burlingame, CA 94010  
(650) 292-9100  
Fax: (650) 552-9012

28 April 2017

Mr. Andrew Florendo  
Water Conservation Coordinator  
810 Vaca Valley Parkway, Ste. 203  
Vacaville, CA 95688

Subject: Change Order to EKI Consulting Services Agreement  
for Water Consulting Services Related to the Study of Single-Family Residential  
Water Use and Conservation Potential  
Solano County, California  
(EKI B50067.01)

Dear Mr. Florendo:

EKI Environment and Water Inc. ("EKI" or "Consultant"; formerly known as Erler & Kalinowski, Inc.) is providing this information to support a Change Order to our Consulting Services Agreement to assist Solano County Water Agency ("Client" or "SCWA") with preparing a detailed Study of Single-Family Residential ("SFR") Water Use and Conservation Potential ("SFR Water Use Study").

We have completed substantial work to date on the analysis of water use and conservation data for SFR accounts in four cities (Vallejo, Benicia, Fairfield, and Vacaville), which together represent 80% of SFR accounts in the SCWA service area. However, as discussed below, some of the work associated with the completion of the SFR Water Use Study was beyond the original scope and/or level of effort that was originally anticipated. As such, based on conversations to date with Client and our understanding of the Client's needs, we propose the following additional scope of work.

#### **Task 1 – Conduct Additional Technical Analysis**

The initial scope of work, dated 24 May 2016 and incorporated into our Agreement effective 1 July 2016, assumed that the SFR Water Use Study would not include updated member unit water use profile analyses or in depth analysis of the effects of the drought on SFR water use.

However, as the work effort ensued it became apparent that updating and including member unit water use profiles would provide: (1) valuable information and context to the interpretation of the differing levels of water savings observed between cities, and (2) a more complete narrative within the report. As a result, the member unit water use profiles were updated based on data provided by the cities and/or information included in their 2015 Urban Water Management Plans

---

*Formerly known as Erler & Kalinowski, Inc.*



and other relevant sources. For reference, an example water use profile is included herein in Attachment A.

Additionally, it was found that a detailed geospatial analysis of water savings by SFR accounts during the drought provided valuable information with respect to opportunities for future water conservation programs. EKI initially completed this geospatial drought analysis comparing changes in SFR water use by account for the years 2012 (the beginning of the drought) and 2015. However, after presentation of the results of this analysis to Client, Client requested that EKI revise the analysis to compare changes in SFR water use between the year 2013 and 2015, to be consistent with the baseline year used by the State Water Resources Control Board ("SWRCB") and for comparison to mandatory water use restrictions. These analyses and the subsequent revisions were beyond the initially anticipated scope and budgeted level of effort. For reference, an example geospatial drought analysis figure is included herein in Attachment A.

## **Task 2 - Finalize the Pilot Study Report and Attend Meetings**

EKI has submitted a draft SFR Water Use Study report to client, and made one round of revisions. EKI anticipates submitting the revised draft report for review and comment by SCWA management. EKI will then revise the SFR Water Use Study report as appropriate to respond to comments, and will prepare a final report for SCWA's use and distribution, which will include approximately 50 pages of text, 45 multi-panel figures, and 41 tables. The complexity and in-depth nature of the report entailed a greater level of effort than was originally anticipated, especially through multiple rounds of revision. For purposes of this proposal, we have assumed that the comments will be minor, and editorial in nature, and that no new or additional analysis will be required.

As requested by Client, EKI will prepare a powerpoint presentation summarizing the results of the SFR Water User Study for presentation at an SCWA Board meeting. The draft powerpoint presentation will be provided to SCWA prior to the Board meeting for review and comment. EKI will attend one SCWA Board meeting (expected to be either the July or August meeting) to present the study findings.

o

## **APPROVED BUDGET**

On the basis of the above Scope of Work for the Approved Project Services, the table below includes a combined total budget of \$19,000 for the performance of Tasks 1 and 2, which will not be exceeded without additional authorization from Client.



Task	Estimated Budget
Task 1 – Conduct Additional Technical Analysis	\$12,000
Task 2 – Finalize Technical Report and Attend Meetings	\$7,000
<b>Total New Funds Requested</b>	<b>\$19,000</b>

### **SCHEDULE**

Based on direction provided by the Client, EKI has already initiated work on these efforts.

### **TERMS AND CONDITIONS**

Other than the scope, schedule and budget presented herein all work will be performed in accordance with our Agreement effective 1 July 2016.

We look forward to continue working with you on this interesting project. Please do not hesitate to contact me with any questions.

Very truly yours,

**EKI ENVIRONMENT & WATER, INC.**  
*Formerly known as Erler & Kalinowski, Inc.*

**SOLANO COUNTY WATER AGENCY**

A handwritten signature in cursive script, appearing to read 'Anona L. Dutton'.

Anona L. Dutton, P.G., C.Hg.

By \_\_\_\_\_

Vice President

Title \_\_\_\_\_

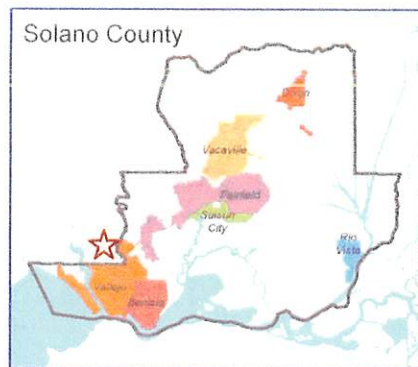
Date \_\_\_\_\_

### **ATTACHMENT**

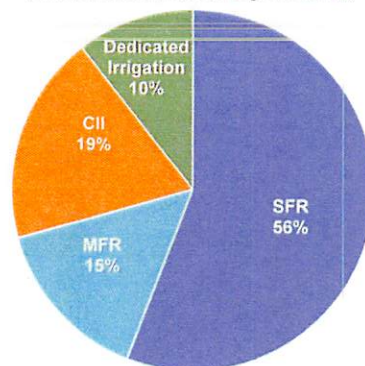
Attachment A

Example Water Use Profile and Drought Analysis

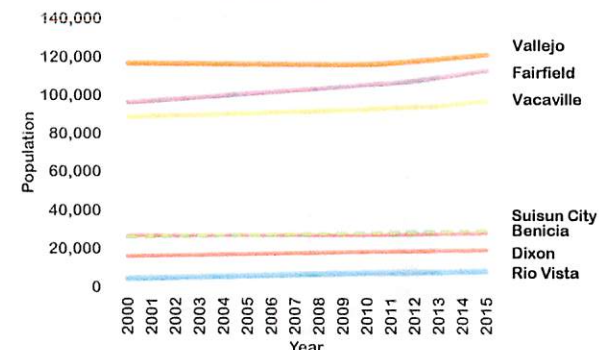
## CITY OF VALLEJO WATER USE PROFILE



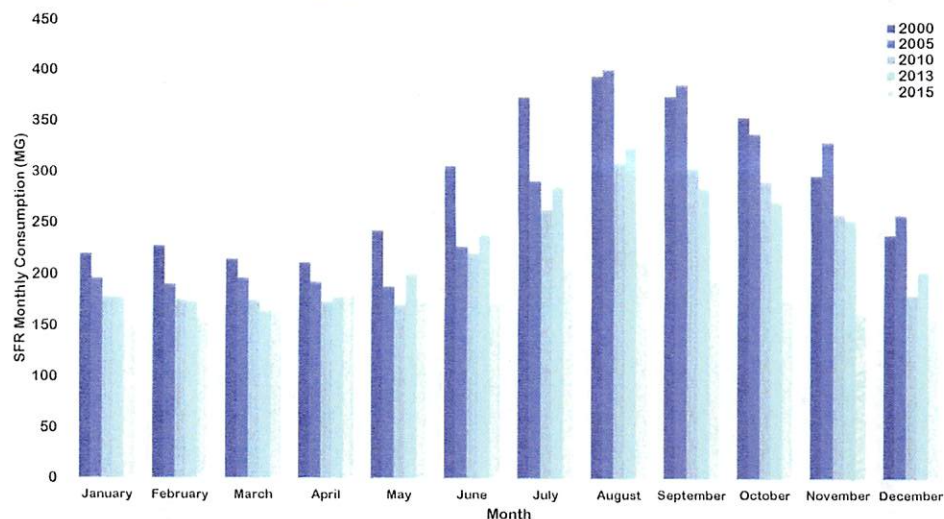
2015 Water Use by Sector



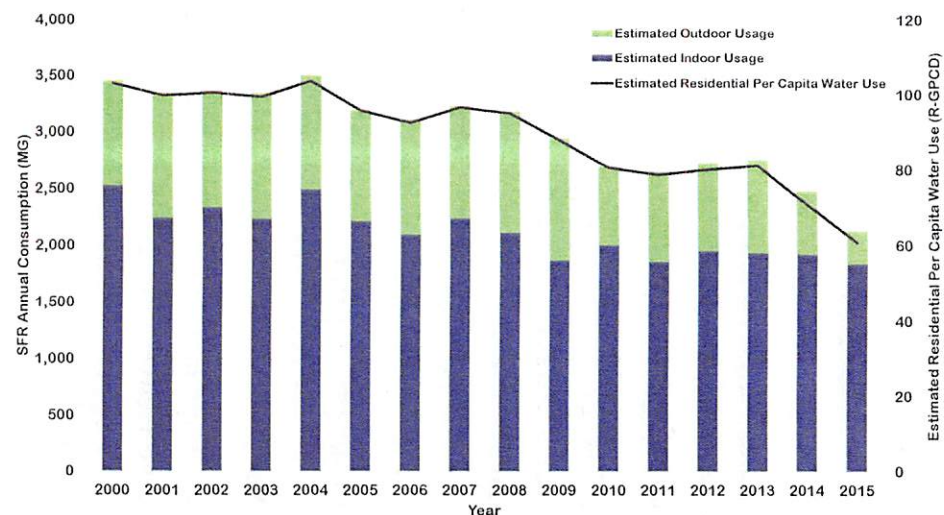
Population



SFR Monthly Consumption



SFR Annual Consumption



## Abbreviations

CII = commercial, industrial, and institutional  
HCF = one hundred cubic feet  
MFR = multi-family residential  
SFR = single-family residential  
UWMP = Urban Water Management Plan

## Notes

1. Non-revenue water is not included in "Water Use by Sector" chart.
2. Annual indoor water use is estimated as the amount of water used during the lowest water use month, normalized by the number of days in the month and projected over the year. Annual outdoor water use is estimated to be the difference between total annual water use and the estimated annual indoor water use.

3. Residential per capita water use is estimated by summing SFR water use with estimated MFR water use, which is approximated based upon the percentage of SFR and MFR water use in 2015, and dividing by population. This estimate does not include water loss and other unaccounted for water, and therefore is expected to be different from estimates used for State reporting purposes.

## Sources

1. Data for water use by sector from Vallejo's 2015 UWMP. All other water use data provided by the City of Vallejo.
2. Population data interpolated linearly from US Census Bureau data for 2000 and 2010. Population data for 2011-2015 obtained from US Census Bureau Annual Estimates of the Resident Population 2015 Population Estimates.

**Erler &  
Kalinowski, Inc.**

City of Vallejo  
Water Use Profile

Study of Single-Family Residential Water  
Use and Conservation Potential  
Solano County Water Agency, CA

April 2017  
EKI B50067.01

Figure 3-1

**SOLANO COUNTY WATER AGENCY**  
**AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES**

**AMENDMENT NUMBER:** 1

**CONTRACTOR:** EKI Environment & Water, Inc.

**EFFECTIVE DATE:** July 1, 2017

**PROJECT:** Residential Baseline Water Use Assessment

**DESCRIPTION OF AMENDMENT:**

1. Increase contract amount by \$19,000 from \$80,000 to \$99,000.
2. Extend time of performance to December 31, 2017

**SIGNATURES:**

Solano County Water Agency,  
a Public Agency

EKI Environment & Water, Inc.

By: \_\_\_\_\_  
Roland Sanford, General Manager  
Solano County Water Agency

By: \_\_\_\_\_  
Anona Dutton, Vice President  
EKI Environment & Water, Inc.

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: July 13, 2017

SUBJECT: Approval of Letter Authorizing General Manager and Designees to Make Investments and Disbursements on Behalf of Water Agency to and from Account Number 5EQ-829793

RECOMMENDATIONS:

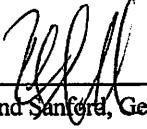
Authorize General Manager, Accountant II and Accountant I to make investments to and disbursements from Water Agency Account Number 5EQ-829793 managed by Time Value Investments.

FINANCIAL IMPACT:

None.

BACKGROUND:

The Water Agency maintains an account with Time Value Investments (Account Number 5EQ-829793) for the purposes of investing reserve funds in a series of CD's. Approximately \$5,000,000 is currently held in the account, distributed over a number of Certificate of Deposits (CDs) so that no single CD is greater than \$248,000. Interest earnings from the various CDs is automatically transferred into a money market account, where it is temporarily held before being transferred to other Water Agency accounts (LAIF or CAMP) or used to purchase another CD. Time Value Investments is requesting written confirmation as to which individuals at the Water Agency are authorized to make investments to and disbursements from Account Number 5EQ-829793.

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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



# SOLANO COUNTY WATER AGENCY



July 14, 2017

Mr. Peter Becker, Vice President  
Time Value Investments, Inc.  
9725 3<sup>rd</sup> Ave NE, Suite 610  
Seattle, WA 98115

Subject: Solano County Water Agency Account # 5EQ- 829793

Dear Mr. Becker:

The following individuals are authorized to make investments and disbursements on behalf of Solano County Water Agency:

Name:	Title:
Roland Sanford	General Manager
Marcie Fehrenkamp	Accountant II
Sandra Willingmyge	Accountant I

Sincerely,

---

Pete Sanchez, Chair  
Solano County Water Agency Board of Directors

810 Vaca Valley Parkway, Suite 203  
Vacaville, CA 95688  
(707) 451-6090  
Fax (707) 451-6099  
Scwa2.com



**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:** July 13, 2017

**SUBJECT:** Contract for Annual Maintenance of Brackett Bosker Raking Machine by Ovivo USA, LLC

**RECOMMENDATIONS:**

Authorize General Manager to execute \$40,000 contract with Ovivo USA, LLC to perform annual inspection, field service visits, address voltage issues, and provide materials & parts specific to the Ovivo Brackett Bosker® Raking Machine installed at the Putah Diversion Dam.

**FINANCIAL IMPACT:**

Sufficient funding has been included in the FY 2017-2018 Solano Project O&M and R&B budgets for this contract.

**BACKGROUND:**

In 2015 the Board approved the purchase and construction of the Ovivo Brackett Bosker® Raking Machine as part of the Putah South Canal (PSC) Headworks Improvement Project. The project was completed in March-2016 and has significantly improved operations of the Putah Diversion Dam, which is part of the Solano Project. To help protect and properly maintain the Raking Machine, the Water Agency would like to setup an annual maintenance program with Ovivo USA, LLC. The purpose of this contract would be to perform annual inspections, address a voltage sag issue, and purchase materials & parts as needed for the Ovivo Brackett Bosker® Raking Machine.

**RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN**

The Ovivo contract is consistent with Goal #2 of the 2016-2025 Strategic Plan (*Optimize the use of SCA managed infrastructure*) and more specifically, Objective D of Goal # 2 (*Identify and evaluate needs for infrastructure improvement – medium priority objective*)

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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

**Agreement-Contractors**  
**(Small Contracts Without Construction Work)**  
**Solano County Water Agency**  
**810 Vaca Valley Parkway, Suite 203, Vacaville, CA 95688**  
**Telephone (707) 451-6090 • Fax (707) 451-6099**

Some of the important terms of this agreement are printed on Page 2. For your protection, make sure that you read and understand all provisions before signing. The terms on the Page 2 are incorporated in this document and will constitute a part of the agreement between the parties when signed.

TO: Brent Marshall DATE: June 8, 2017  
Ovivo USA, LLC Agreement No. 1  
1322 Space Park Drive, Suite A-240  
Houston, TX 77058

The undersigned Contractor offers to furnish the following:

- The services of an Ovivo Service Engineer to perform an annual inspection and/or field service visit as requested on the Water Agency's Brackett Bosker® Raking Machine. Costs will be invoiced as detailed in Exhibit A.
- The services of an Ovivo Service Engineer, Controls Engineer, and/or other Ovivo staff to install a phase/voltage monitor and alter the PLC program, to address the voltage sag concerns.
- Materials and parts as requested for the Water Agency's Brackett Bosker® Raking Machine.

Contract price \$40,000 (not to exceed)

Completion date 6/30/2019

Instructions: Sign and return original. Upon acceptance by the Solano County Water Agency, a copy will be signed by its authorized representative and promptly returned to you. Insert below, the names of your authorized representative(s).

Accepted: Solano County Water Agency Contractor: Ovivo USA, LLC  
(Business Name)

By \_\_\_\_\_ By \_\_\_\_\_

Title General Manager Title \_\_\_\_\_

Other authorized representative(s): Other authorized representative(s):

Alex Rabidoux \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Contractor or supplier (Contractor) agrees with the Solano County Water Agency that:

- a) Contractor shall hold harmless, defend, and indemnify the Agency and its officers, officials, employees, and volunteers from and against all claims, damages, losses, and expenses including attorney fees arising out of the performance of the work described herein, caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, strictly to the extent of Contractor's fault.
- b) By his/her signature hereunder, Contractor certifies that he/she is aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and he/she will comply with such provisions before commencing the performance of the work of this agreement. Contractor and subcontractors will keep workers' compensation insurance for their employees in effect during all work covered by this agreement.
- c) Contractor will file with the Solano County Water Agency before beginning work, certificates of insurance and policy endorsements satisfactory to the Solano County Water 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 Solano County Water Agency. Such insurance shall be primary and any insurance, self-insurance or other coverage maintained by the Solano County Water Agency, its directors, officers, employees, or authorized volunteers shall not contribute to it. The general liability coverage shall give the Solano County Water Agency, its directors, officers, employees, and authorized volunteers insured status using ISO endorsement CG2010, CG2033, or equivalent. 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 Solano County Water 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.
- d) 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 Solano County Water Agency at least ten (10) days prior to the expiration date.
- e) Contractor shall not accept direction or orders from any person other than the General Manager or the person(s) whose name(s) is (are) inserted on Page 1 as "other authorized representatives."
- f) Payment, unless otherwise specified on Page 1, is to be 30 days after acceptance by the Solano County Water Agency and invoice is received by the Contractor.
- g) Permits required by governmental authorities will be obtained at Contractor's expense, and Contractor will comply with local, state and federal regulations and statutes including Cal/OSHA requirements.
- h) Any change in the scope of the work to be done, method of performance, nature of materials or price thereof, or any other matter materially affecting the performance or nature of the work will not be paid for or accepted unless such change, addition or deletion is approved in advance, in writing by a supplemental agreement executed by the Solano County Water Agency. Contractor's "authorized representative(s)" has (have) the authority to execute such written change for Contractor.

**EXHIBIT A**

**PROPOSAL & RATE SHEET**



## Field Service Quote

ATTN: Alex Rabidoux

QSSI001490

**Trip: 3 days to install 2 new Motor Protection Monitors, wiring, programming and testing "Option 3".**

3 - 8hr days of service by OVIVO, Field Service Engineer	\$3,600.00
2 - 8hr days of travel	\$2,400.00**
Airline Fee	\$750.00**
Rental Car	\$250.00*
Per Diem (Food and Lodging)	\$900.00*
Miscellaneous (any supplies, etc)	\$100.00*
Motor Protection monitors (x2 panels)	\$830.00
Engineering hours (control Engineer support and as built drawings)	\$900.00
<b>Total</b>	<b><u>\$9,730.00</u></b>

This is a budgetary quote and you will be billed for the (actual costs of expenses plus 10%)\* as well as actual total hours of labor and travel hours. I have quoted four days on site and 2 days travel. We will not exceed the above amount without prior written approval. Note: \*\* 2-8hr days of travel and Airline fees will be removed from Quote if this order is approved (PO) combined with the dates approved for the first service contact inspection dates.

I have included the OVIVO Field Service Rate Sheet and our standard Terms and Conditions of service. These Terms and Conditions govern OVIVO's offer of services.

**Please submit purchase order to:**

OVIVO USA, LLC

4246 Riverboat Road, Suite 300

Salt Lake City, Utah 84123

Attn: Douglas King

Or via email at [douglas.king@ovivowater.com](mailto:douglas.king@ovivowater.com)

You may also fax to: (801) 931-3090

Thank You

Douglas King

Photos will be taken for record of change outs for future reference.



**Worldwide Experts  
in Water Treatment**

## **US Municipal & Industrial FIELD SERVICE RATE SHEET**

Effective January 2017

Standard (Travel)	Daily Rate (8 hour day)	<b>\$ 1200.00</b>
Hourly Rate (4 hour minimum)		\$ 150.00
Standard (Labor)		<b>\$ 1200.00</b>
Hourly Rate (4 hour minimum)		\$ 150.00
Saturday	Daily Rate (8 hour day)	<b>\$ 1,800.00</b>
Hourly Rate (4 hour minimum)		\$ 225.00
Sundays/Holidays ***	Daily Rate (8 hour day)	<b>\$ 2400.00</b>
Hourly Rate (4 hour minimum)		\$ 300.00
Overtime ***	Hourly Rate - Standard Day	<b>\$ 225.00</b>
Hourly Rate - Sundays & Holidays ***		<b>\$ 300.00</b>

\*\*\* For all hours worked over eight (8) hours per standard day and Saturdays

\*\*\* Sunday and Holiday requests will be billed at the double-time rate

**UNLESS OTHERWISE ARRANGED; EXPENSES ARE CHARGED AT ACTUAL COST PLUS 10%**

**Please Note:**

- All of the rates provided are portal to portal. In addition, travel and living expenses will be invoiced at actual cost plus 10% and documentation will be provided for these expenses. Travel/Labor on Saturday and all overtime, will be billed at the overtime rate. Travel/Labor on Sundays or Holidays, will be billed at the double-time rate. *If a fixed Per Diem rate is required, it will be charged at \$250.00 per day (lodging and meals) with the exception of the east coast where the price will be \$300.00).*
- Use of Ovivo USA Fleet vehicles for travel will be charged at the rate of \$0.54 per mile.



## Terms & Conditions of Service

**1. ACCEPTANCE.** The proposal of Ovivo USA, LLC ("SELLER"), as well as these terms and conditions of sale (collectively the "Agreement"), constitutes SELLER's contractual offer of services and associated goods (the "Services"), and PURCHASER's acceptance of this offer is expressly limited to the terms of this Agreement. The scope and terms and conditions of this Agreement represent the entire offer by SELLER and supersede all prior solicitations, discussions, agreements, understandings and representations between the parties. Any scope or terms and conditions included in PURCHASER's acceptance/purchase order that are in addition to or different from this Agreement are hereby rejected.

**2. TIME OF PERFORMANCE.** Any statements relating to the performance or completion date of the Services represent SELLER's best estimate, but is not guaranteed, and SELLER shall not be liable for any damages or losses of PURCHASER, or any third party, due to not completing the Services by such estimated date.

**3. TITLE AND RISK OF LOSS.** SELLER shall retain the fullest right, title, and interest in the value of the Services performed to the extent permitted by applicable law, including a security interest in any equipment or real property upon which the Services were performed (collectively the "Serviced Equipment"), until the full purchase price has been paid to SELLER. The giving and accepting of drafts, notes and/or trade acceptances to evidence the payments due shall not constitute or be construed as payment so as to pass SELLER's interests until said drafts, notes and/or trade acceptances are paid in full.

**4. PAYMENT TERMS.** SELLER reserves the right to perform the Services and be paid for such on a pro rata basis, as performed. If payments are not made by the due date, interest at a rate of two percent (2%) per month, calculated daily, shall apply from the due date for payment. PURCHASER is liable to pay SELLER's legal fees and all other expenses in respect of enforcing or attempting to enforce any of SELLER's rights relating to a breach or threatened breach of the payment terms by PURCHASER.

**5. TAXES.** Unless otherwise specifically provided in this Agreement, PURCHASER shall pay and/or reimburse SELLER, in addition to the price, for all applicable service-related taxes, excises and charges which SELLER may pay or be required to pay to any government directly or indirectly in connection with the Services performed by SELLER. PURCHASER agrees to pay all property and other taxes which may be levied, assessed or charged against or upon any of the Serviced Equipment on or after the date of performance.

**6. SERVICE WARRANTY.** Solely for the benefit of PURCHASER, SELLER warrants that the Services shall be performed in a manner that is free from defects in material and workmanship for a period of ninety (90) days from completion of such performance (the "Warranty Period"). If any of the Services fail to comply with the foregoing warranty, SELLER shall re-perform such Services, or parts thereof, free of charge to PURCHASER. If it is determined after inspection that SELLER is liable under this warranty to re-perform the Services or parts thereof, SELLER shall bear the transportation costs of returning to the jobsite for such inspection as well as the re-performance of the Services. However, if it is determined after inspection that SELLER is not liable under this warranty, PURCHASER shall pay any and all costs related to such inspections, including any reasonable transportation and accommodation costs incurred by SELLER. For SELLER to be liable with respect to this warranty, PURCHASER must make its claims to SELLER in writing no later than thirty (30) days after the date PURCHASER discovers the basis for its warranty claim and in no event more than thirty (30) days after the expiration of the Warranty Period. In addition to any other limitation or disclaimer with respect to this warranty and Agreement, SELLER shall have no liability with respect to any of the following: (i) failure of the Serviced Equipment, or damages to it, unless directly caused by the Services; (ii) any Serviced Equipment that has been altered or repaired in any way by PURCHASER, or any third party, unless such alteration or repair is instructed or authorized by SELLER in writing; (iii) the costs of dismantling and reinstallation of the Serviced Equipment before and after the performance of the Services; or (iv) claims with respect to Service parts that are consumable and normally replaced during maintenance, except where such parts are not performing to SELLER's estimate of normal service life, in which case, SELLER shall only be liable for the pro rata cost of replacement of those Service parts based on SELLER's estimate of what the remaining service life of those parts should have been; provided, that failure of those parts did not result from any of the matters listed in clauses (i) through (iii) above. With regard to third-party Service parts, equipment, accessories or components provided by SELLER in performance of the Services but not of SELLER's design, SELLER's liability shall be limited solely to the assignment of available third-party warranties. THE PARTIES AGREE THAT ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE AND MERCHANTABILITY, WHETHER WRITTEN, ORAL OR STATUTORY, ARE EXCLUDED TO THE FULLEST EXTENT PERMISSIBLE BY LAW. All warranties and obligations of SELLER shall terminate if PURCHASER fails to perform its obligations under this Agreement including but not limited to any failure to pay any payment due to SELLER. SELLER's quoted price for the Services is based upon this warranty. Any increase in warranty obligation may be subject to an increase in price.

**7. CONFIDENTIAL INFORMATION.** All nonpublic information and data furnished to PURCHASER hereunder, including but not limited to any designs, drawings, trade secrets and other technical information related to the Services (the "Confidential Information"), is the sole property of SELLER and submitted for PURCHASER's own confidential use solely in connection with this Agreement and is not to be made known or available to any third party without SELLER's prior written consent.

**8. SET OFF.** This Agreement shall be completely independent of all other contracts between the parties and all payments due to SELLER hereunder shall be paid when due and shall not be setoff or applied against any money due or claimed to be due from SELLER to PURCHASER on account of any other transaction or claim.

**9. SOFTWARE.** PURCHASER shall have a nonexclusive and nontransferable license to use any information processing program that may be supplied by SELLER in connection with the Services. PURCHASER acknowledges that such programs and the information contained therein is Confidential Information and agrees: a) not to copy or duplicate the program except for archival or security purposes; b) not to use the program on any computer other than the computer with which it is supplied; and c) to limit access to the program to those of its employees who are necessary to permit authorized use of the program. PURCHASER agrees to execute and be bound by the terms of any software license applicable to the software program supplied.

**10. GENERAL INDEMNITY.** PURCHASER shall protect and indemnify SELLER, its ultimate parent, its ultimate parent's subsidiaries and each of their respective officers, directors, employees and agents, from and against all claims, demands and causes of action asserted by any entity to the extent of PURCHASER's negligence or willful misconduct in connection with this Agreement.

**11. DEFAULT.** In the event that PURCHASER becomes insolvent, commits an act of bankruptcy or defaults in the performance of any term or condition of this Agreement and fails to cure such default upon ten (10) days prior written notice from SELLER, the entire unpaid portion of the purchase price shall, without notice or demand, become immediately due and payable. SELLER at its option, without further notice or demand, may then terminate this Agreement and shall be entitled to sue, or take other legal recourse, to collect any unpaid balance as well as reasonable legal fees, out-of-pocket expenses and interest. The remedies provided in this paragraph are in addition to, and not limitations of, any other rights of SELLER.

**12. CANCELLATION.** PURCHASER may cancel this Agreement for convenience upon written notice to SELLER of such intent and payment to SELLER for all costs and expenses (including overhead) incurred by SELLER in performing its work and closing out the same plus a reasonable profit thereon. All such costs and expenses shall be paid to SELLER within ten (10) days of receipt of written invoice from SELLER detailing such costs, expenses and profit, or be subject to an additional late payment fee of five percent (5%) of the total amount of the invoice owed.

**13. REMEDIES.** The rights and remedies of the PURCHASER in connection with the Services provided by SELLER hereunder are exclusive and limited to the rights and remedies expressly stated in this Agreement.

**14. WAIVER.** Any failure by SELLER to enforce PURCHASER's strict performance of any provision of this Agreement will not constitute a waiver of its right to subsequently enforce such provision or any other provision of this Agreement.

**15. COMPLIANCE WITH LAWS.** If applicable laws, ordinances, regulations or conditions require anything different from, or in addition to, that called for by this Agreement, SELLER will satisfy such requirements at PURCHASER's written request and expense.

**16. FORCE MAJEURE.** If SELLER is rendered unable, wholly or in material part, by reason of Force Majeure to carry out any of its obligations hereunder, then upon SELLER's notice in writing to PURCHASER within a reasonable time after the occurrence of the cause relied upon, such obligations shall be suspended. "Force Majeure" shall include, but not be limited to, acts of God, laws and regulations, strikes, civil disobedience or unrest, lightning, fire, flood, washout, storm, communication lines failure, delays of the PURCHASER or PURCHASER's subcontractors, breakage or accident to equipment or machinery, wars, police actions, terrorism, embargos, and any other causes that are not reasonably within the control of the SELLER. If the delay is the result of PURCHASER's action or inaction, then in addition to an adjustment in time, SELLER shall be entitled to reimbursement of costs incurred to maintain its schedule.

**17. INDEPENDENT CONTRACTOR.** It is expressly understood that SELLER is an independent contractor, and that neither SELLER nor its principals, partners, parents, subsidiaries, affiliates, employees or subcontractors are servants, agents, partners, joint ventures or employees of PURCHASER in any way whatsoever.

**18. SEVERABILITY.** Should any portion of this Agreement be held to be invalid or unenforceable under applicable law then the validity of the remaining portions thereof shall not be affected by such invalidity or unenforceability and shall remain in full force and effect. Furthermore, any invalid or unenforceable provision shall be modified accordingly within the confines of applicable law, giving maximum permissible effect to the parties' intentions expressed herein.

**19. CHOICE OF LAW, CHOICE OF VENUE.** This Agreement shall be governed and construed in accordance with the laws of State of Utah, without regard to its rules regarding conflicts or choice of law. The parties submit to the jurisdiction and venue of the jurisdiction and venue of the state and federal courts located in Salt Lake City, Utah.

**20. ASSIGNMENT.** PURCHASER shall not assign or transfer this Agreement without the prior written consent of the SELLER. Any attempt to make such an assignment or transfer shall be null and void. SELLER shall have the authority to assign, or otherwise transfer, its rights and obligations in connection with this Agreement, in whole or in part, upon prior written notice to PURCHASER.

**21. LIMITATION OF LIABILITY.** TO THE EXTENT PERMISSIBLE BY LAW, SELLER SHALL HAVE NO FURTHER LIABILITY IN CONNECTION WITH THIS AGREEMENT IN EXCESS OF (A) THE COST OF RE-PERFORMING THE SERVICES, OR (B) IN THE ABSENCE OF RE-PERFORMANCE, THE VALUE OF THE SERVICES INITIALLY PERFORMED HEREUNDER. NOTWITHSTANDING ANY LIABILITIES OR RESPONSIBILITIES ASSUMED BY SELLER HEREUNDER, SELLER SHALL IN NO EVENT BE RESPONSIBLE TO PURCHASER OR ANY THIRD PARTY, WHETHER ARISING UNDER CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY, OR OTHERWISE, FOR LOSS OF ANTICIPATED PROFITS, LOSS BY REASON OF PLANT SHUTDOWN, NON-OPERATION OR INCREASED EXPENSE OF OPERATION, SERVICE INTERRUPTIONS, COST OF PURCHASED OR REPLACEMENT POWER, COST OF MONEY, LOSS OF USE OF CAPITAL OR REVENUE OR ANY OTHER INDIRECT, INCIDENTAL, SPECIAL, PUNITIVE, EXEMPLARY, OR CONSEQUENTIAL LOSS OR DAMAGE, WHETHER ARISING FROM DEFECTS, DELAY, OR FROM ANY OTHER CAUSE WHATSOEVER.



**Amendment to General Services Terms and Conditions Rev. 06-08-2017**

This Amendment ("Amendment") is entered into this \_\_\_\_ day of June, 2017 as an amendment to that Agreement between Solano County Water Agency ("Purchaser") and Ovivo USA, LLC ("Supplier") dated June 8, 2017 ("Agreement").

1. Conflict. In the event of conflict between the Agreement and this Amendment, the terms of the Amendment shall control.

2. Limitation of Liability. Notwithstanding the provisions of Section a) of the Agreement, and to the extent permissible by applicable law, Supplier shall have no further liability in connection with this Agreement for professional errors or omissions in excess of the cost of correcting any defects, or in the absence of any defect, in excess of the value of the services supplied under the Agreement. For purposes of clarification, the limits set forth in this Section 2 shall not apply to third party claims based on injury, death, or property damage. Nor shall these limits apply to claims based on the willful misconduct, gross negligence, or fraud of Supplier.

3. Consequential Damage Disclaimer. Notwithstanding any other provision of the Agreement to the contrary, in no event shall Supplier be liable for any punitive, exemplary, special, incidental, or consequential loss or damage suffered by Purchaser, or any other party, in connection with this Purchase Order.

Solano County Water Agency

Ovivo USA, LLC

By: \_\_\_\_\_

By: \_\_\_\_\_

Name: Roland Sanford

Name: \_\_\_\_\_

Title: General Manager

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: July 13, 2017

SUBJECT: Adoption of Resolution Authorizing General Manger to Execute Grant Agreement with State Coastal Conservancy for Lower Putah Creek Salmon Spawning Habitat Enhancement Project

---

RECOMMENDATION:

Adopt Resolution Number 2017-04 authorizing General Manager to execute grant agreement with State Coastal Conservancy, on behalf of Lower Putah Creek Coordinating Committee, for Lower Putah Creek Salmon Spawning Habitat Enhancement Project.

FINANCIAL IMPACT:

\$50,000 Revenue; \$50,000 Match (equipment usage)

BACKGROUND:

Lower Putah Creek has experienced exponential growth in fall-run Chinook salmon populations over the past three years, from 200 adults in 2014, to 600 in 2015 and 1,800 in 2016. Salmon have long been limited by the extent of viable spawning habitat on Lower Putah Creek. While it was once widely believed that Putah Creek was "starved" for gravel it now appears that there is ample gravel on the floor of the channel but the surface has become "cemented" with fine particles. Breaking the crust by reaching into the creek with an excavator bucket has revealed ample deep and loose gravel underneath. Thus salmon have been able to spawn in previously unsuitable areas in dozens of locations where we have tried it. The loosened gravel also enhances aquatic insect populations that are the base of the food chain for fish and wildlife. Moreover, during subsequent high flows the channel exhibits a more natural form, with increased depth, reduced width and increased flow velocities that help to maintain low water temperatures that are favorable to all native fish. This project will scarify (loosen) 10,000 linear feet of salmon spawning habitat at various locations along 13 river miles of Lower Putah Creek.

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

---

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

**RESOLUTION NUMBER 2017-04**

**Resolution of the Solano County Water Agency  
Approving the Grant of Funds from the  
State Coastal Conservancy  
For Lower Putah Creek Salmon Spawning Habitat Enhancement**

**WHEREAS**, the Legislature of the State of California has established the State Coastal Conservancy ("Conservancy") under Division 21 of the California Public Resources Code, and has authorized the Conservancy to award grants to public agencies and nonprofit organizations to implement the provisions of Division 21; and

**WHEREAS**, the Conservancy awards grants for projects that it determines are consistent with Division 21 of the Public Resources Code and with the Conservancy's Strategic Plan and that best achieve the Conservancy's statutory objectives, in light of limited funding.

**WHEREAS**, at its December 1, 2016 meeting, the Conservancy adopted a resolution authorizing a grant to Solano County Water Agency ("grantee") for Lower Putah Creek Salmon Spawning Habitat Enhancement ("the project"). The resolution was adopted by the Conservancy pursuant to and is included in the Conservancy December 1, 2016 staff recommendation, a copy of which is on file with the grantee and with the Conservancy.

**WHEREAS**, the Conservancy requires that governing body of the grantee certify through a resolution that it approves the award of Conservancy grant funding and authorizes the execution by a representative of the grantee of a grant agreement on terms and conditions required by the Conservancy or, if the grant agreement is already finalized; and authorizes the execution of a grant agreement in substantially the form of the agreement attached to this resolution as Exhibit 1];

**NOW THEREFORE be it resolved** that the grantee hereby:

1. Approves the award of grant funding from the Conservancy for the project.
2. Acknowledges that it has or will have sufficient funds to complete the project and, if any property is acquired as part of the project to operate and maintain the property, and, if any facilities are constructed as a part of the project, to operate and maintain the facilities for a reasonable period, not less than the useful life of the facilities.
3. Agrees to provide any funds beyond the Conservancy grant funds necessary to complete the project.
4. Agrees to be bound by all terms and conditions of the grant agreement and any other agreement or instrument as may be required by the Conservancy and as may be necessary to fulfill the terms of the grant agreement and to complete the project.
5. Authorizes the General Manager to act as a representative of the grantee, to negotiate and execute on behalf of the grantee all agreements and instruments necessary to complete the project and to comply with the Conservancy's grant requirements, including, without limitation, the grant agreement: Roland Sanford, General Manager.

Approved and adopted the 13<sup>th</sup> day of July, 2017. I, the undersigned, hereby certify that the foregoing Resolution was duly adopted by the SOLANO COUNTY WATER AGENCY following Roll Call Vote:

Ayes:

Noes:

Abstain:

Absent:

\_\_\_\_\_  
Pete Sanchez, Chairman

ATTEST:

\_\_\_\_\_  
Roland Sanford,  
General Manager and Secretary to  
Solano County Water Agency



FILE COPY

June 15, 2017

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

**Subject: Designation of Conservancy Manager/Grant Agreement No. 16-109**

Dear Mr. Sanford:

The agreement mentioned above requires that I name someone to serve as the Executive Officer's designee. I have selected Laura Cholodenko for this role.

I have enclosed a signed copy of the agreement. I look forward to our continued work together on this project.

Sincerely,

A handwritten signature in cursive script, appearing to read "Samuel Schuchat".  
Samuel Schuchat  
Executive Officer

SS:rr

Enclosure

EC  
EC

1515 Clay Street, 10th Floor  
Oakland, California 94612-1401  
510-286-1015 Fax: 510-286-0470



STATE OF CALIFORNIA  
**STANDARD AGREEMENT**  
Std. 2 (Grant - Rev 08/08)

AGREEMENT NUMBER <b>16-109</b>	AM NO
TAXPAYERS FEDERAL EMPLOYER IDENTIFICATION NO <b>68-0197823</b>	

THIS AGREEMENT, made and entered into this 16<sup>th</sup> day of June, 2017,  
in the State of California, by and between State of California, through its duly elected or appointed, qualified and acting

TITLE OF OFFICER ACTING FOR STATE

Executive Officer

AGENCY

State Coastal Conservancy

, hereafter called the Conservancy, and

GRANTEE'S NAME

Solano County Water Agency

, hereafter called the Grantee.

The Grantee, for and in consideration of the covenants, conditions, agreements, and stipulations of the Conservancy hereinafter expressed, does hereby agree as follows:


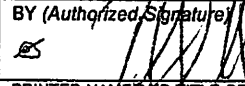
**SCOPE OF AGREEMENT**

Pursuant to Chapter 4.5 of Division 21 of the California Public Resources Code, the State Coastal Conservancy ("the Conservancy") hereby grants to the Solano County Water Agency ("the grantee") a sum not to exceed \$50,000 (fifty thousand dollars), subject to this agreement. The grantee shall use these funds to complete the following project ("the project") on Putah Creek in Solano County, as shown on Exhibit A which is incorporated by reference and attached.

(Continued on following pages)

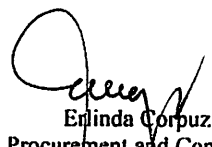
The provisions on the following pages constitute a part of this agreement.

IN WITNESS WHEREOF, this agreement has been executed by the parties hereto, upon the date first above written.

STATE OF CALIFORNIA		GRANTEE	
AGENCY	State Coastal Conservancy	GRANTEE (If other than an individual, state whether a corporation, partnership, etc.)	Solano County Water Agency
BY (Authorized Signature)		BY (Authorized Signature)	
PRINTED NAME AND TITLE OF PERSON SIGNING	Samuel Schuchat, Executive Officer	PRINTED NAME AND TITLE OF PERSON SIGNING	Roland Sanford, General Manager
ADDRESS & PHONE NUMBER	1515 Clay Street, 10 <sup>th</sup> Floor Oakland, CA 94612 Phone: (510) 286-1015	ADDRESS	810 Vaca Valley Parkway, Suite 203 Vacaville, CA 95688 Phone: (707) 455-1100

AMOUNT ENCUMBERED BY THIS DOCUMENT	PROGRAM/CATEGORY (CODE AND TITLE)	FUND TITLE		
	Local Assistance	Water Quality, Supply and Infrastructure Improvement Fund of 2014 (Prop 1)		
\$50,000.00	(OPTIONAL USE)	Lower Putah Creek Salmon Spawning Habitat Enhancement		
PRIOR AMOUNT ENCUMBERED FOR THIS AGREEMENT	ITEM	CHAPTER	STATUTE	FISCAL YEAR
\$0-	3760-101-6083(1)	23	2016	16/17
TOTAL AMOUNT ENCUMBERED TO DATE	OBJECT OF EXPENDITURE (CODE AND TITLE)			
\$50,000.00	San Francisco Bay Conservancy			

I certify that this agreement is exempt from Department of General Services' approval.

  
Erlinda Corpuz  
Procurement and Contracts Manager

I hereby certify upon my own personal knowledge that budgeted funds are available for the period and purpose of the expenditure stated above.

SIGNATURE OF ACCOUNTING OFFICER

DATE

06/06/2017

☒ GRANTEE ☐ ACCOUNTING ☐ PROJECT MANAGER ☐ CONTROLLER ☐ STATE AGENCY

**SCOPE OF AGREEMENT** (Continued)

The project consists of the enhancement of salmon spawning habitat in Lower Putah Creek through mechanical scarification of 10,000 linear feet of cemented gravels. The project area consists of various locations along 13 river miles of Lower Putah Creek, from Putah Diversion Dam to Pedrick Road. The project includes monitoring of restored sites to assess changes in gravel embeddedness, invertebrate diversity, and use of the site by spawning salmon and steelhead.

The grantee shall carry out the project in accordance with this agreement and a work program, as provided in the "WORK PROGRAM" section, below. The grantee shall provide any funds beyond those granted under this agreement which are needed to complete the project.

**CONDITIONS PRECEDENT TO CONSTRUCTION AND DISBURSEMENT**

The grantee shall not begin construction of the project and the Conservancy shall not be obligated to disburse any funds unless and until the following conditions precedent have been met:

1. The Board of Supervisors of the grantee has adopted a resolution designating positions whose incumbents are authorized to negotiate and execute this agreement and amendments to it on behalf of the grantee.
2. The Executive Officer of the Conservancy ("the Executive Officer") has approved in writing:
  - a. A work program for the project, as provided in the "WORK PROGRAM" section, below.
  - b. A plan for acknowledgment of Conservancy support, as provided in the "SIGNS AND ACKNOWLEDGMENT" section, below.
  - c. All contractors that the grantee intends to retain in connection with the project.
3. The grantee has provided written evidence to the Conservancy that:
  - a. All permits and approvals necessary to the completion of the project under applicable local, state and federal laws and regulations have been obtained.
  - b. The grantee has provided for required insurance coverage, including additional insured endorsement, as described in the "INSURANCE" section, below.

### **ADDITIONAL GRANT CONDITION**

The grantee shall also meet the following condition:

Prior to the release of funds for construction, the grantee shall provide evidence of completion of the following:

Riparian Area Monitoring Plan. A plan to collect and report monitoring data in a manner that is compatible and consistent with the Statewide Wetland and Riparian Area Monitoring Program framework (currently available at [http://www.mywaterquality.ca.gov/monitoring\\_council/wetland\\_workgroup/#frame](http://www.mywaterquality.ca.gov/monitoring_council/wetland_workgroup/#frame)).

### **TERM OF AGREEMENT**

This agreement shall take effect when signed by both parties and received in the offices of the Conservancy together with the resolution described in the "CONDITIONS PRECEDENT TO CONSTRUCTION AND DISBURSEMENT" section of this agreement. An authorized representative of the grantee shall sign the first page of the originals of this agreement in ink.

This agreement shall run from its effective date through June 30, 2019 ("the termination date") unless otherwise terminated or amended as provided in this agreement. However, all work shall be completed by March 30, 2019 ("the completion date"). The grantee shall submit a final Request for Disbursement no later than April 25, 2019.

### **AUTHORIZATION**

The signature of the Executive Officer of the Conservancy on this agreement certifies that at its December 1, 2016 meeting, the Conservancy adopted the resolution included in the staff recommendation attached as Exhibit B. This agreement is executed under that authorization.

### Standard Provisions

#### WORK PROGRAM

Before beginning construction, the grantee shall submit a detailed work program to the Executive Officer for review and written approval of its consistency with the purposes of this grant agreement. The work program shall include:

1. Construction plans and specifications which have been certified by a licensed architect or registered engineer, or approved by the grantee's Public Works Director.
2. A schedule of completion for the project specifically listing the completion date for each project component and a final project completion date.
3. A detailed project budget. The project budget shall describe all labor and materials costs of completing each component of the project, including the grantee's labor and materials costs and costs to be incurred under a contract with any third party retained by the grantee for work under this agreement. For each project component, the project budget shall list all intended funding sources, including the Conservancy's grant, and all other sources of monies, materials, or labor. The grantee shall review the plans on-site with Conservancy staff.

If all or any part of the project to be funded under this agreement will be performed by third parties ("contractors") under contract with the grantee, then the grantee shall, prior to initiating any contractor selection process, submit the selection package, including any applicable construction plans and specifications that have been certified or approved as described above, to the Executive Officer for review and written approval as to consistency with the purposes of this grant agreement. Upon approval by the Executive Officer, the grantee shall proceed with the contractor selection process. Prior to final selection of a contractor, the grantee shall submit to the Executive Officer for written approval the names of all contractors that the grantee intends to hire. The grantee shall then comply with the above paragraph regarding submission and approval of a work program prior to construction.

The work program shall have the same effect as if included in the text of this agreement. However, the work program may be modified without amendment of this agreement upon the grantee's submission of a modified work program and the Executive Officer's written approval of it. If this agreement and the work program are inconsistent, the agreement shall control.

The grantee shall construct the project in accordance with the approved work program.



### **SIGNS AND ACKNOWLEDGMENT**

Prior to beginning the project, the grantee shall submit to the Executive Officer a plan to acknowledge Conservancy support. Except as the Executive Officer agrees otherwise, the plan shall commit the grantee to mention the Conservancy's support in its project-related press releases, contacts with the media, and social media postings, and on its website.

The Conservancy shall not disburse to the grantee payment for obligations incurred by the grantee with respect to any contractor or subcontractor of the grantee until the grantee submits to the Conservancy a lien release corresponding to the work invoiced (and complies with the other prerequisites to payment under this agreement).

### **COSTS AND DISBURSEMENTS**

When the Conservancy determines that all "CONDITIONS PRECEDENT TO CONSTRUCTION AND DISBURSEMENT" have been fully met, the Conservancy shall disburse to the grantee, in accordance with the approved project budget, a total amount not to exceed the amount of this grant, as follows:

The Conservancy shall disburse funds for costs incurred to date, less five percent, upon the grantee's satisfactory progress under the approved work program, and upon the grantee's submission of a "Request for Disbursement" form, which shall be submitted no more frequently than monthly but no less frequently than quarterly. The Conservancy shall disburse the five percent withheld upon the grantee's satisfactory completion of construction and compliance with the "PROJECT COMPLETION" section, below, and upon the Conservancy's acceptance of the project.

The Conservancy will reimburse the grantee for expenses necessary to the project when documented by appropriate receipts. The Conservancy will reimburse travel and related expenses at actual costs not to exceed the rates provided in Title 2, Division 1, Chapter 3, Subchapter 1, Article 2 of the California Code of Regulations ("CCR"), except that reimbursement may be in excess of these rates upon documentation that these rates are not reasonably available to the grantee. Reimbursement for the cost of operating a private vehicle shall not, under any circumstance, exceed the current rate specified by the State of California for unrepresented state employees as of the date the cost is incurred. The Conservancy will reimburse the grantee for other necessary expenses if those expenses are reasonable in nature and amount taking into account the nature of the project, its location, and other relevant factors.

The grantee shall request disbursements by filing with the Conservancy a fully executed "Request for Disbursement" form (available from the Conservancy). The grantee shall include in the form its name and address, the number of this agreement, the date of the submission, the amount of the invoice, the period during which the work was actually done, and an itemized

**COSTS AND DISBURSEMENTS (Continued)**

description, including time, materials, and expenses incurred of all work done for which disbursement is requested. Hourly rates billed to the Conservancy, and specified in the approved work program budget shall be equal to the actual compensation paid by grantee to employees, which may include employee benefits. The form shall also indicate cumulative expenditures to date, expenditures during the reporting period, and the unexpended balance of funds under the grant agreement.

An authorized representative of the grantee shall sign the forms. Each form shall be accompanied by:

1. All receipts and any other source documents for direct expenditures and costs that the grantee has incurred.
2. Invoices from contractors that the grantee engaged to complete any portion of the work funded under this agreement and any receipts and any other source documents for costs incurred and expenditures by any such contractor, unless the Executive Officer makes a specific exemption in writing.
3. A supporting progress report summarizing the current status of the project and comparing it to the status required by the work program (budget, timeline, tasks, etc.) including written substantiation of completion of the portion of the project for which the grantee is requesting disbursement.

The grantee's failure to fully execute and submit a Request for Disbursement form, including attachment of supporting documents, will relieve the Conservancy of its obligation to disburse funds to the grantee until the grantee corrects all deficiencies.

**EXPENDITURE OF FUNDS AND ALLOCATION OF FUNDING AMONG BUDGET ITEMS**

The total amount of this grant may not be increased except by written amendment to this agreement. The grantee shall expend funds consistent with the approved project budget. Expenditure on items contained in the approved project budget, other than overhead and indirect costs, may vary by as much as ten percent without prior approval by the Executive Officer, provided that the grantee first submits a revised budget to the Conservancy and requests disbursement based on the revised budget. Any deviation greater than ten percent, and any deviation that shifts funds from approved budget items into an overhead or indirect costs category, must be identified in a revised budget approved in advance and in writing by the Executive Officer. The Conservancy may withhold payment for items which exceed the amount allocated in the project budget by more than ten percent and which have not received the

**EXPENDITURE OF FUNDS AND ALLOCATION OF FUNDING AMONG BUDGET ITEMS** (Continued)

approval required above. Any increase in the funding for any particular budget item shall mean a decrease in the funding for one or more other budget items unless there is a written amendment to this agreement.

**PROJECT COMPLETION**

Within thirty days of completion of construction of the project, the grantee shall supply the Conservancy with evidence of completion by submitting a final report which includes:

1. An inspection report by a licensed architect or registered engineer or the grantee's Public Works Director certifying completion of the project according to the approved work program.
2. Documentation that signs are installed as required by the "SIGNS AND ACKNOWLEDGMENT" section of this agreement.
3. A fully executed final "Request for Disbursement."
4. "As built" drawings of the completed project or photographs documenting project completion.

Within thirty days of grantee's submission of the above, the Conservancy shall determine whether the grantee has satisfactorily completed the project. If so, the Conservancy shall issue to the grantee a letter of acceptance of the project. The project shall be deemed complete as of the date of the letter.

**EARLY TERMINATION, SUSPENSION AND FAILURE TO PERFORM**

Before the project has commenced, either party may terminate this agreement for any reason by providing the other party with seven days notice in writing.

Before the project is complete, the Conservancy may terminate or suspend this agreement for any reason by providing the grantee with seven days notice in writing. In either case, the grantee shall immediately stop work under the agreement and take all reasonable measures to prevent further costs to the Conservancy. The Conservancy shall be responsible for any reasonable and non-cancelable obligations incurred by the grantee in the performance of this agreement prior to the date of the notice to terminate or suspend, but only up to the undisbursed balance of funding

**EARLY TERMINATION, SUSPENSION AND FAILURE TO PERFORM** (Continued)

authorized in this agreement. Any notice suspending work under this agreement shall remain in effect until further written notice from the Conservancy authorizes work to resume.

If the grantee fails to complete the project as required, or fails to fulfill any other obligations of this agreement prior to the termination date, the grantee shall be liable for immediate repayment to the Conservancy of all amounts disbursed by the Conservancy under this agreement. The Conservancy may, at its sole discretion, consider extenuating circumstances and not require repayment for work partially completed. This paragraph shall not be deemed to limit any other remedies the Conservancy may have for breach of this agreement.

The Conservancy may, at its sole discretion, consider extenuating circumstances and allow early termination without repayment for work partially completed.

The parties expressly agree to waive, release and relinquish the recovery of any consequential damages that may arise out of the termination or suspension of this agreement under this section.

The grantee shall include in any agreement with any contractor retained for work under this agreement a provision that entitles the grantee to suspend or terminate the agreement with the contractor for any reason on written notice and on the same terms and conditions specified in this section.

**OPERATION AND MAINTENANCE**

The grantee shall use, manage, maintain and operate the project throughout the term of this agreement consistent with the purposes for which the Conservancy's grant was made. The grantee assumes all operation and maintenance costs of these facilities and structures; the Conservancy shall not be liable for any cost of maintenance, management, or operation. The grantee may be excused from its obligations for operation and maintenance during the term of this agreement only upon the written approval of the Executive Officer.

For purposes of this agreement, "operation costs" include direct costs incurred for material and labor needed for operations, utilities, insurance, and similar expenses. "Maintenance costs" include ordinary repairs and replacements of a recurring nature necessary to prolong the life of capital assets and basic structures, and the expenditure of funds necessary to replace or reconstruct capital assets or basic structures.

### **MITIGATION**

Without the written permission of the Executive Officer, the grantee shall not use or allow the use for mitigation (in other words, to compensate for adverse changes to the environment elsewhere) of any portion of real property on which the Conservancy has funded construction. In providing permission, the Executive Officer may require that all funds generated in connection with any authorized or allowable mitigation on the real property shall be remitted promptly to the Conservancy. As used in this section, mitigation includes, but is not limited to, any use of the property in connection with the sale, trade, transfer or other transaction involving carbon sequestration credit or carbon mitigation.

### **INSPECTION**

Throughout the term of this agreement, the Conservancy shall have the right to inspect the project area to ascertain compliance with this agreement.

### **INDEMNIFICATION AND HOLD HARMLESS**

The grantee shall be responsible for, indemnify and hold harmless the Conservancy, its officers, agents, and employees from any and all liabilities, claims, demands, damages, or costs, including, without limitation, litigation costs and attorneys fees, resulting from or arising out of the willful or negligent acts or omissions of the grantee, its officers, agents, contractors, subcontractors, and employees, or in any way connected with or incident to this agreement, except for the active negligence of the Conservancy, its officers, agents, or employees. The duty of the grantee to indemnify and hold harmless includes the duty to defend as provided in Civil Code section 2778. This agreement supersedes any right the grantee may have as a public entity to indemnity and contribution as provided in Gov. Code Sections 895 et seq.

The grantee waives any and all rights to any type of express or implied indemnity or right of contribution from the State, its officers, agents, or employees, for any liability resulting from, growing out of, or in any way connected with or incident to this agreement.

Nothing in this agreement is intended to create in the public or in any member of it rights as a third-party beneficiary under this agreement.

The obligations in this "INDEMNIFICATION AND HOLD HARMLESS" section shall survive termination of this agreement.

## **INSURANCE**

The grantee shall procure and maintain insurance, as specified in this section, against claims for injuries to persons and damage to property that may arise from or in connection with any activities of the grantee or its agents, representatives, employees, volunteers, or contractors associated with the project undertaken pursuant to this agreement. As an alternative, with the written approval of the Executive Officer, the grantee may satisfy the coverage requirement in whole or in part through: (a) its contractors' procurement and maintenance of insurance for work under this agreement, if the coverage otherwise fully satisfies the requirements of this section; or (b) the grantee's participation in a "risk management" plan, self insurance program or insurance pooling arrangement, or any combination of these, if consistent with the coverage required by this section. The grantee shall maintain property insurance, if required below, throughout the term of this agreement. Any required errors and omissions liability insurance shall be maintained from the effective date through two calendar years after the completion date. The grantee shall maintain all other required insurance from the effective date through the completion date.

1. **Minimum Scope of Insurance.** Coverage shall be at least as broad as:

- a. Insurance Services Office ("ISO") Commercial General Liability coverage, occurrence basis (Form CG 00 01) or comparable.
- b. Automobile Liability coverage: ISO Form Number CA 0001, Code 1 (any auto).
- c. Workers' Compensation insurance as required by the Labor Code of the State of California.

2. **Minimum Limits of Insurance.** The grantee shall maintain coverage limits no less than:

- a. General Liability: *(Including operations, products and completed operations, as applicable)* \$2,000,000 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the activities under this agreement, or the general aggregate limit shall be twice the required occurrence limit.
- b. Automobile Liability: \$1,000,000 per accident for bodily injury and property damage.

**INSURANCE** (Continued)

3. Deductibles and Self-Insured Retentions. Any deductibles or self-insured retentions must be declared to and approved by the Executive Officer.
4. Required Provisions Concerning the Conservancy and the State of California.
  - a. Each insurance policy required by this section shall be endorsed to state that coverage shall not be canceled by either party, except after thirty days' prior written notice by first class mail has been given to the Conservancy; or in the event of cancellation of coverage due to nonpayment, after ten days prior written notice to the Conservancy. The grantee shall notify the Conservancy within two days of receipt of notice that any required insurance policy will lapse or be cancelled. At least ten days before an insurance policy held by the grantee lapses or is cancelled, the grantee shall provide the Conservancy with evidence of renewal or replacement of the policy.
  - b. The grantee hereby grants to the State of California, its officers, agents, employees, and volunteers, a waiver of any right to subrogation which any insurer of the grantee may acquire against the State of California, its officers, agents, employees, and volunteers, by virtue of the payment of any loss under such insurance. Grantee agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the grantee has received a waiver of subrogation endorsement from the insurer.
  - c. The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:
    - (i) The State of California, its officers, agents, employees, and volunteers are to be covered as additional insureds with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the grantee; and with respect to liability arising out of work or operations, including completed operations, performed by or on behalf of the grantee including materials, parts or equipment furnished in connection with the work or operations.
    - (ii) For any claims related to this agreement, the grantee's insurance coverage shall be primary insurance as respects the State of California, its officers, agents and employees, and not excess to any insurance or self-insurance of the State of California.
    - (iii) The limits of the additional insured coverage shall equal the limits of the named insured coverage regardless of whether the limits of the named insurance coverage exceed those limits required by this agreement.

**INSURANCE (Continued)**

5. **Acceptability of Insurers.** Insurance shall be placed with insurers admitted to transact business in the State of California and having a current Best's rating of "B+:VII" or better or, in the alternative, acceptable to the Conservancy and approved in writing by the Executive Officer.
6. **Verification of Coverage.** The grantee shall furnish the Conservancy with original certificates and amendatory endorsements, or copies of the applicable policy language, effecting coverage required by this clause. All certificates and endorsements are to be received and approved by the Executive Officer before work commences. The Conservancy may require, at any time, complete, certified copies of all required insurance policies, including endorsements affecting the coverage.
7. **Contractors.** The grantee shall include all contractors as insureds under its policies or shall require each contractor to provide and maintain coverage consistent with the requirements of this section. To the extent generally available, grantee shall also require each professional contractor to provide and maintain Errors and Omissions Liability insurance appropriate to the contractor's profession and in a reasonable amount in light of the nature of the project.
8. **Premiums and Assessments.** The Conservancy is not responsible for premiums and assessments on any insurance policy.

**AUDITS/ACCOUNTING/RECORDS**

The grantee shall maintain financial accounts, documents, and records (collectively, "records") relating to this agreement, in accordance with the guidelines of "Generally Accepted Accounting Principles" ("GAAP") published by the American Institute of Certified Public Accountants. The records shall include, without limitation, evidence sufficient to reflect properly the amount, receipt, deposit, and disbursement of all funds related to the implementation of the project, and the use, management, operation and maintenance of the real property. Time and effort reports are also required. The grantee shall maintain adequate supporting records in a manner that permits tracing from the request for disbursement forms to the accounting records and to the supporting documentation.

Additionally, the Conservancy or its agents may review, obtain, and copy all records relating to performance of the agreement. The grantee shall provide the Conservancy or its agents with any relevant information requested and shall permit the Conservancy or its agents access to the grantee's premises upon reasonable notice, during normal business hours, to interview employees and inspect and copy books, records, accounts, and other material that may be relevant to a matter under investigation for the purpose of determining compliance with this agreement and any applicable laws and regulations.



### **AUDITS/ACCOUNTING/RECORDS** (Continued)

The grantee shall retain the required records for a minimum of three years following the later of final disbursement by the Conservancy, and the final year to which the particular records pertain. The records shall be subject to examination and audit by the Conservancy and the Bureau of State Audits during the retention periods.

If the grantee retains any contractors to accomplish any of the work of this agreement, the grantee shall first enter into an agreement with each contractor requiring the contractor to meet the terms of this section and to make the terms applicable to all subcontractors.

The Conservancy may disallow all or part of the cost of any activity or action that it determines to be not in compliance with the requirements of this agreement.

### **COMPUTER SOFTWARE**

The grantee certifies that it has instituted and will employ systems and controls appropriate to ensure that, in the performance of this agreement, state funds will not be used for the acquisition, operation or maintenance of computer software in violation of copyright laws.

### **NONDISCRIMINATION**

During the performance of this agreement, the grantee and its contractors shall not unlawfully discriminate against, harass, or allow harassment against any employee or applicant for employment because of sex, race, color, ancestry, religious creed, national origin, ethnic group identification, physical disability (including HIV and AIDS), mental disability, medical condition, genetic information, gender, gender identity, gender expression, marital status, age, sexual orientation, or military and veteran status (Government Code section 12940). The grantee and its contractors also shall not unlawfully deny a request for or take unlawful action against any individual because of the exercise of rights related to family-care leave (Government Code sections 12945.1 and 12945.2). The grantee and its contractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination, harassment and unlawful acts.

Consistent with Government Code section 11135, the grantee shall ensure that no one, on the basis of race, national origin, ethnic group identification, religion, age, sex, sexual orientation, color, genetic information, or disability, is unlawfully denied full and equal access to the benefits of, or is unlawfully subjected to discrimination under, the work funded by the Conservancy under this agreement.

**NONDISCRIMINATION** (Continued)

Pursuant to Government Code section 12990, the grantee and its contractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code section 12900 et seq.) and the applicable regulations (California Code of Regulations Title 2, section 7285.0 et seq.). The regulations of the Fair Employment and Housing Commission regarding Contractor Nondiscrimination and Compliance (Chapter 5 of Division 4 of Title 2 of the California Code of Regulations) are incorporated into this agreement by this reference.

The grantee and its contractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement. This nondiscrimination clause shall be included in all contracts and subcontracts entered into to perform work provided for under this agreement.

**PREVAILING WAGE**

Work done under this grant agreement may be subject to the prevailing wage and other related requirements of the California Labor Code, Division 2, Part 7, Chapter 1, sections 1720-1861. If required by law to do so, the grantee shall pay prevailing wage to all persons employed in the performance of any part of the project and otherwise comply with all associated requirements and obligations.

The grantee shall review applicable statutory provisions and the regulations adopted under the provisions and the information available on the Department of Industrial Relations website (<http://www.dir.ca.gov/Public-Works/PublicWorks.html>) to determine its responsibilities. The grantee may also review the Conservancy publication, Information on Current Status of Prevailing Wage Laws for State Coastal Conservancy Grantees (March 2015), available from the Conservancy on request, for additional information.

**INDEPENDENT CAPACITY**

The grantee, and the agents and employees of grantee, in the performance of this agreement, shall act in an independent capacity and not as officers or employees or agents of the State of California.

**ASSIGNMENT**

Without the written consent of the Executive Officer, the grantee may not assign this agreement in whole or in part.

**TIMELINESS**

Time is of the essence in this agreement.

**EXECUTIVE OFFICER'S DESIGNEE**

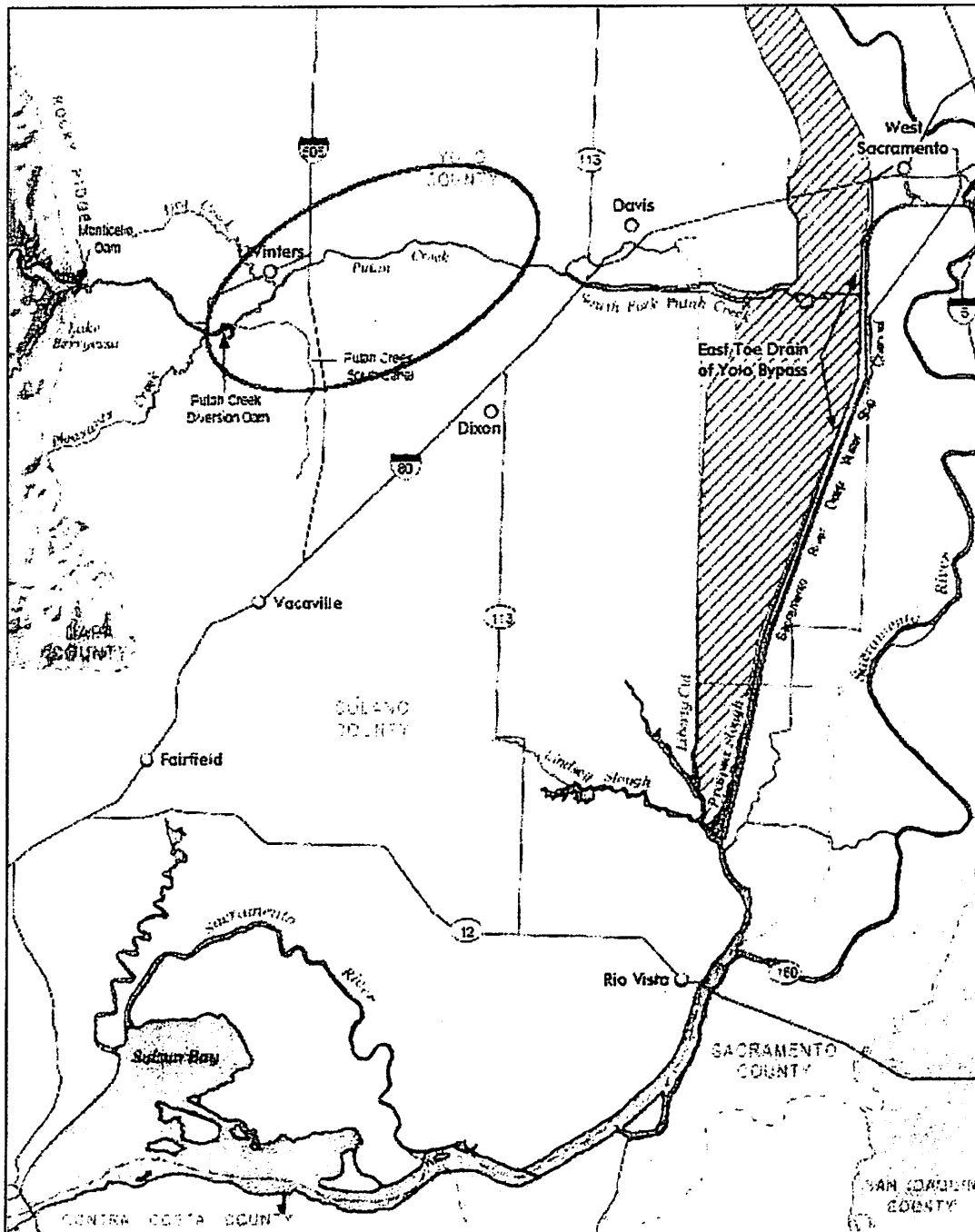
The Executive Officer shall designate a Conservancy project manager who shall have authority to act on behalf of the Executive Officer with respect to this agreement. The Executive Officer shall notify the grantee of the designation in writing.

**AMENDMENT**

Except as expressly provided in this agreement, no changes in this agreement shall be valid unless made in writing and signed by the parties to the agreement. No oral understanding or agreement not incorporated in this agreement shall be binding on any of the parties.

**LOCUS**

This agreement is deemed to be entered into in the County of Alameda.



Source: Teale GIS Solutions Group 1999, U.S. Census Bureau 2002, U.S.G.S 1985

## Lower Putah Creek Regional Area

Lower Putah Creek Watershed Management Action Plan  
A 171266.02 1/03



EXHIBIT 1-2

EDAW

EXHIBIT A

COASTAL CONSERVANCY

Staff Recommendation  
December 1, 2016

**LOWER PUTAH CREEK SALMON SPAWNING HABITAT ENHANCEMENT**

Project No. 16-041-01  
Project Manager: Laura Cholodenko

**RECOMMENDED ACTION:** Authorization to disburse up to \$50,000 to the Solano County Water Agency to enhance salmon spawning habitat in Lower Putah Creek.

**LOCATION:** Lower Putah Creek, Solano County

**PROGRAM CATEGORY:** San Francisco Bay Area Conservancy

---

**EXHIBITS**

Exhibit 1: Project Location

Exhibit 2: Photographs

Exhibit 3: Project Letters

---

**RESOLUTION AND FINDINGS:**

Staff recommends that the State Coastal Conservancy adopt the following resolution pursuant to Sections 31000 et seq. of the Public Resources Code:

"The State Coastal Conservancy hereby authorizes disbursement of up to fifty thousand dollars (\$50,000) to the Solano County Water Agency (SCWA) to enhance salmon spawning habitat in Lower Putah Creek through mechanical scarification of 10,000 linear feet of cemented gravels, subject to the following condition:

Prior to the disbursement of funds, SCWA shall submit for the review and approval of the Executive Officer of the Conservancy a final work program, schedule and budget, copies of all project permits, landowner agreements, a plan for acknowledging Conservancy funding, and the roster of contractors to be retained for the project.

Staff further recommends that the Conservancy adopt the following findings:

"Based on the accompanying staff report and attached exhibits, the State Coastal Conservancy hereby finds that:

1. The proposed authorization is consistent with Chapter 4.5 of Division 21 of the Public Resources Code, regarding the San Francisco Bay Area Conservancy Program.

2. The proposed project is consistent with the current Conservancy Project Selection Criteria and Guidelines.
- 

**PROJECT SUMMARY:**

Staff requests authorization to disburse up to \$50,000 to the Solano County Water Agency (SCWA) to enhance salmon spawning habitat in Lower Putah Creek through mechanical scarification of 10,000 linear feet of cemented gravels. Gravel in the creek has become embedded in fine silt, creating a cement-like surface that is unusable by spawning salmon. The cemented gravel also reduces the abundance and diversity of benthic macroinvertebrates that are the base of the food chain for riparian wildlife. Cementation occurs during prolonged intervals without scouring flows—an artifact of water storage at Lake Berryessa. Prior to the construction of Lake Berryessa, Lower Putah Creek had scouring flows nearly every year. After the Lake was constructed, scouring flows have occurred, on average, once every seven years. The last scouring flow was in January 2006, more than 10 years ago.

Operating from the top of the creek bank a small excavator fitted with a rake/claw attachment will scarify (which means to break up or loosen) or rake the creek bottom to a depth of 12-18 inches to loosen cemented gravels. A minor amount of vegetation may be cleared to create temporary construction access to the sites. These sites will be monitored to assess changes in gravel embeddedness, degree of cementation, changes in invertebrate density and diversity, and use of the scarified sites by spawning salmon and steelhead.

Solano County Water Agency (SCWA) is a public entity responsible for wholesale water supply to cities and agricultural districts in Solano County. The agency also performs flood management as well as habitat conservation activities. SCWA has managed over \$12 million in projects to assess and restore Lower Putah Creek since 2000. SCWA will implement the proposed project on behalf of the Lower Putah Creek Coordinating Committee, which includes members from Yolo and Solano Counties as well as local cities, UC Davis, and landowners along the creek.

**Site Description:** The project area consists of various locations along 13 river miles of Lower Putah Creek from Putah Diversion Dam to Pedrick Road (Exhibit 1). Lower Putah Creek is one of two perennially flowing tributaries to the Sacramento River in the eastern part of Solano County. The creek and adjacent riparian corridor support a variety of native fishes and riparian nesting birds.

**Project History:** The proposed project is being implemented consistent with the Lower Putah Creek Watershed Management Action Plan, which recommends several actions to enhance the lower Putah Creek watershed. The Action Plan was developed in response to a settlement agreement—the Putah Creek Accord—that ended ten years of litigation over flows in Lower Putah Creek. The Accord calls for establishment of the Lower Putah Creek Coordinating Committee, perennial flows to support anadromous fish, and perpetual funding for fish and wildlife monitoring.

Trials of mechanical scarification began in 2013 and were expanded in 2014. Salmon have been observed spawning intensively in the scarified test sites and record numbers of salmon have been

---

**LOWER PUTAH CREEK SALMON SPAWNING HABITAT ENHANCEMENT**

---

returning to Putah Creek (Exhibit 2). In 2014, 200 spawning salmon were observed, nearly three times the previous high of 70 spawners in 2003. In 2015, 600 spawners were observed, tripling the previous high.

**PROJECT FINANCING**

<b>Coastal Conservancy</b>	<b>\$50,000</b>
<b>Solano County Water Agency</b>	<b>\$50,000</b>
<b>Project Total</b>	<b>\$100,000</b>

The expected source of Conservancy funds for this project is the fiscal year 2016/17 appropriation to the Conservancy from the Water Quality, Supply, and Infrastructure Improvement Act of 2014 (Proposition 1, Water Code § 79700 et seq.). Funds appropriated to the Conservancy derive from Chapter 6 (commencing with § 79730) and may be used “for multi-benefit water quality, water supply, and watershed protection and restoration projects for the watersheds of the state” (Section 79731). Section 79732 identifies specific purposes of Chapter 6 and includes: protect and restore aquatic, wetland and migratory bird ecosystems, including fish and wildlife corridors; protect and restore coastal watersheds, including, but not limited to bays, marine estuaries, and nearshore ecosystems; and assist in the recovery of endangered, threatened or migratory species by improving watershed health, instream flows, fish passage and coastal or inland wetland restoration. The proposed project will help achieve these purposes of Proposition 1 by restoring aquatic habitat that benefits native fish, birds, invertebrates, and other wildlife.

As required by Proposition 1, the proposed project provides multiple benefits. By restoring creek gravels, the project will restore historic access to salmon spawning and rearing habitat, and increase the abundance and diversity of aquatic insects that are the base of the food chain for all riparian associated wildlife.

The proposed project was selected through a competitive grant process under the Conservancy’s Proposition 1 Grant Program Guidelines adopted in June 2015 (“Prop 1 Guidelines”). (See § 79706(a)). The proposed project meets each of the evaluation criteria in the Prop 1 Guidelines as described in further detail in this “Project Financing” section, the “Project Summary” section and the “Consistency with Conservancy’s Project Selection Criteria & Guidelines” section of this report.

**CONSISTENCY WITH CONSERVANCY’S ENABLING LEGISLATION:**

The proposed project will be undertaken pursuant to Chapter 4.5 of the Conservancy’s enabling legislation, Public Resources Code (PRC) Sections 31160-31165, to address resource goals in the San Francisco Bay Area. Pursuant to PRC Section 31162, the Conservancy may award grants in the nine-county San Francisco Bay Area to help achieve goals of the San Francisco Bay Area Conservancy Program. The proposed Project is located in Solano County within the nine-county Bay Area and will help achieve goals of the Bay Area Conservancy Program, as described below in “Consistency with The Conservancy’s Strategic Plan Goals and Objectives.”

---

## LOWER PUTAH CREEK SALMON SPAWNING HABITAT ENHANCEMENT

---

Pursuant to PRC Section 31162(b), the Conservancy may award grants to enhance natural habitats of regional importance. The proposed project will enhance salmon spawning habitat, which is of regional importance in that it supports native freshwater and anadromous fish that have experienced significant population declines due to loss and degradation of habitat as a result of water diversion projects and other human activities.

Pursuant to PRC Section 31162(c), the Conservancy may award grants to assist in implementation of the policies and programs of the San Francisco Bay Plan and the adopted plans of local governments and special districts. Consistent with this section, the proposed project will assist in implementing the Lower Putah Creek Watershed Management Action Plan, which has been adopted by Solano and Yolo Counties.

This project is appropriate for prioritization under the selection criteria set forth in Section 31163(c) in that: (1) it is supported by adopted local or regional plans, as described above; (2) it will include multi-jurisdictional participation by interested local, state and federal resource and regulatory agencies, including the California Department of Fish and Wildlife; (3) SCWA is ready to commence work immediately upon award of Conservancy funding; (4) it will provide opportunities for benefits (salmon spawning habitat) that would be lost if not quickly implemented; and (5) SCWA is providing matching funds.

### **CONSISTENCY WITH CONSERVANCY'S 2013 STRATEGIC PLAN GOAL(S) & OBJECTIVE(S), AS REVISED JUNE 25, 2015:**

Consistent with **Goal 11, Objective 11F** of the Conservancy's 2013-2018 Strategic Plan, the proposed project will enhance riverine habitat for the benefit of fish and wildlife.

### **CONSISTENCY WITH CONSERVANCY'S PROJECT SELECTION CRITERIA & GUIDELINES:**

The proposed project is consistent with the Conservancy's Project Selection Criteria and Guidelines, last updated on October 2, 2014, in the following respects:

#### **Required Criteria**

1. **Promotion of the Conservancy's statutory programs and purposes:** See the "Consistency with Conservancy's Enabling Legislation" section above.
2. **Consistency with purposes of the funding source:** See the "Project Financing" section above.
3. **Promotion and implementation of state plans and policies:** The project serves to promote and implement the following state plans:
  - *California Climate Adaptation Strategy/Safeguarding California: Reducing Climate Risk Plan* (CA Natural Resources Agency, July 2014). Consistent with this plan, the project will implement a useful strategy for maintaining spawning habitat, especially during prolonged periods without scouring flows when gravels can become cemented.



## LOWER PUTAH CREEK SALMON SPAWNING HABITAT ENHANCEMENT

- *California Central Valley Salmon and Steelhead Recovery Plan (July 2014):* The Plan identifies several recovery actions for Putah Creek to benefit Central Valley Steelhead. The project would specifically support the recovery action that calls for restoration of instream habitat in Putah Creek.
- 4. **Support of the public:** The proposed project is supported by the California Department of Fish and Wildlife, National Marine Fisheries Service, and Peter Moyle, a professor Emeritus at UC Davis and expert on native California fish. Project Letters are attached as Exhibit 3.
- 5. **Location:** The project will enhance Lower Putah Creek in the northeastern part of the San Francisco Bay Area (Exhibit 1).
- 6. **Need:** Without Conservancy funding, there is not sufficient funding to support continued enhancement of the creek in 2017.
- 7. **Greater-than-local interest:** The project will enhance habitat that supports resident and migratory fish and wildlife that range throughout the Bay Delta estuary and Central Valley. The project will provide information that can help with management of all salmonid spawning sites downstream of dams that have similar issues due to a reduction in scouring flows.
- 8. **Sea level rise vulnerability:** The project site is well inland along a freshwater stream at elevations that will not be vulnerable to the effects of sea level rise.

### Additional Criteria

- 9. **Urgency:** The lack of sufficient spawning habitat presents a threat to the long-term viability of Chinook salmon in Putah Creek.
- 10. **Leverage:** See the "Project Financing" section above.
- 11. **Innovation:** The project implements an emerging new approach to managing viability of spawning gravels in the absence of natural scouring flows by mechanically scarifying cemented gravels with an excavator.
- 12. **Readiness:** The Solano County Water Agency has obtained all permits necessary to conduct the work and is ready to begin project implementation in the Fall 2017.

### **COMPLIANCE WITH CEQA:**

The proposed project is exempt from the California Environmental Quality Act (CEQA) pursuant to 14 Cal. Code Regs. Section 15333, which exempts small habitat restoration projects that do not exceed five acres in size and that assure the maintenance, restoration, enhancement, or protection of habitat for fish, plants, or wildlife. The proposed project is less than five acres in size and will enhance fish habitat. The project will be undertaken outside of sensitive nesting and spawning periods, removal of vegetation will be minimized, and any riparian areas disturbed by equipment will be restored with native grasses, trees and shrubs. The project meets the conditions of section 15333 in that there will be no significant adverse impact on endangered, rare or threatened species or their habitat pursuant to CEQA Guidelines section 15065; there are

*LOWER PUTAH CREEK SALMON SPAWNING HABITAT ENHANCEMENT*

---

no hazardous materials at or around the sites; and the project will not result in significant impacts when viewed in connection with the effects of past, present, or probable future projects.

Staff will file a notice of exemption upon Board authorization.

ACTION OF  
SOLANO COUNTY WATER AGENCY

DATE: July 13, 2017

SUBJECT: Mitigation, Reporting, and Monitoring Plan for Final Program Environmental Impact Report for Lower Putah Creek Restoration Project-Upper Reach Program

RECOMMENDATION:

Approve Mitigation, Reporting, and Monitoring Plan for Final Program Environmental Impact Report for Lower Putah Creek Restoration Project-Upper Reach Program.

FINANCIAL IMPACT:

None.

BACKGROUND:

The Final Program Environmental Impact Report (EIR) for the Lower Putah Creek Restoration Project-Upper Reach Program (Upper Reach Program) was certified by the Board of Directors at their June 8, 2017 meeting. Mitigation, Reporting, and Monitoring Plans are not required to be included in Final EIR's. The Mitigation, Reporting, and Monitoring Plan for the Upper Reach Program shows how the Water Agency and the Lower Putah Creek Coordinating Committee will monitor and report the mitigation measures adopted in the Upper Reach Program EIR and satisfies the California Environmental Quality Act (§15091(d), 15097).

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

Absent:

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

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
3.1-1	<p><b>3.1-1: Implement Erosion and Sediment Control BMPs.</b> In the cases in which a SWPPP is not required for Project activities, the Project applicant shall implement BMPs selected by a Qualified SWPPP Developer. The BMPs shall be drawn from the Construction BMP Handbook published by the California Stormwater Quality Association (CASQA) or equivalent prior to the start of any ground-disturbing activities. These BMPs may include, but are not restricted to, the menu of measures listed below, and would be applied both during and after construction, until the work site is stabilized according to the same closure requirements that would be applicable were the work area subject to a SWPPP.</p> <p>In order to ensure that the BMPs implemented are functioning to prevent erosion and sediment impacts, a California-qualified Qualified SWPPP Practitioner (QSP) must inspect functioning of the BMPs on a weekly basis. If the BMPs are insufficient, the QSP shall make recommendations for additional or sufficient BMPs.</p> <p><b>Erosion Controls – Menu of Potential BMPs</b></p> <ul style="list-style-type: none"> <li>• <b>Stream Bank and Channel Stabilization:</b> Where creek banks and channels are disturbed by construction, application of the full suite of available BMPs shall be coordinated by the QSP for application during and following construction to reduce the discharge of sediment and other pollutants from stream banks to minimize the impact of construction activities (CASQA, 2009, Fact Sheet EC-12).</li> <li>• <b>Scheduling:</b> The QSP shall prepare a written plan to sequence construction activities and the implementation of other BMPs to reduce the amount and duration of soil exposed to erosion by wind, rain, runoff, and vehicle tracking. Environmental constraints such as nesting season prohibitions shall also be taken into account in developing a schedule (CASQA, 2009a, Fact Sheet EC-1).</li> <li>• <b>Preservation of Existing Vegetation:</b> Where possible, existing non-invasive and native vegetation shall be preserved to minimize the potential of removing or injuring existing trees, vines, shrubs, and grasses that protect soil from erosion (CASQA, 2009, Fact Sheet EC-2).</li> <li>• <b>Hydroseeding:</b> Where soil has been disturbed by construction and requires temporary protection until permanent stabilization is established, a mixture of hydraulic mulch, seed, fertilizer, and stabilizing emulsion shall be applied to temporarily protect exposed soils from erosion by water and wind (CASQA, 2009, Fact Sheet EC-4).</li> <li>• <b>Geotextiles and Mats:</b> Where soil has been disturbed by construction on slopes where the erosion hazard is high and vegetation will be slow to establish, matings shall be used to cover the soil surface to reduce erosion from rainfall, hold soil in place, and absorb and hold moisture near the soil surface (CASQA, 2009, Fact Sheet EC-7).</li> <li>• <b>Wood Mulching:</b> Where soil has been disturbed by construction and temporary protection is needed until permanent stabilization is established, an applied mixture of shredded wood mulch, bark, or compost shall be applied to disturbed soils to reduce erosion by protecting bare soil from rainfall. This BMP shall not be used on areas exposed to concentrated flows or on slopes steeper than 3:1 (H:V) (CASQA, 2009, Fact Sheet EC-8).</li> <li>• <b>Velocity Dissipation Devices:</b> Where needed, a physical device composed of rock, grouted riprap, or concrete rubble, shall be placed at the outlet of a pipe or channel to prevent scour of the soil caused by concentrated high velocity flows. This BMP will be applied to stormwater structures as needed to divert run-on flow during construction (CASQA, 2009, Fact Sheet EC-10).</li> </ul> <p><b>Sediment Controls – Menu of Potential BMPs</b></p> <ul style="list-style-type: none"> <li>• <b>Silt Fence:</b> Where needed, a woven geotextile that has been entrenched, attached to supporting poles, and sometimes backed by a plastic or wire mesh for support will be installed temporarily to detain sediment-laden water and promote sedimentation behind the fence. This shall be used in areas disturbed by construction as a perimeter control, above channels, and/or below the toe or downslope of exposed and erodible slopes (CASQA, 2009, Fact Sheet SE-1).</li> <li>• <b>Fiber Rolls:</b> Where needed, fiber rolls shall be placed at the toe and on the face of slopes along the contours to intercept runoff, reduce its flow velocity, release the runoff as sheet flow, and provide removal of sediment from the runoff (CASQA, 2009, Fact Sheet SE-5).</li> <li>• <b>Gravel Bag Berm:</b> Where needed, a series of gravel-filled bags shall be placed on a level contour to intercept sheet flow runoff, allow sediment to settle out, and release runoff slowly as sheet flow, preventing erosion (CASQA, 2009, Fact Sheet SE-6).</li> <li>• <b>Straw Bale Barrier:</b> Where needed, a series of straw bales shall be placed on a level contour to intercept sheet-flow runoff and allow sediment to settle out (CASQA, 2009h).</li> <li>• <b>Compost Sock and Berm:</b> Where needed, a three-dimensional biodegradable filtering structure shall be used at the site perimeter or at intervals on sloped areas to intercept runoff where sheet flow occurs to retain sediment (CASQA, 2009, Fact Sheet SE-13).</li> <li>• <b>Stabilized Construction Entrance and Exit:</b> A pad of aggregate underlain with filter cloth shall be constructed at a point where traffic would be entering or leaving a construction site to or from a public right of way, street, alley, sidewalk, or parking area. The purpose of a stabilized</li> </ul>	Prior to and during grading operations	CVRWQCB	Project Proponent	Project Proponent	

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
3.1-2	<p>construction entrance is to reduce or eliminate the trading of sediment onto roadways and help prevent deposition of sediments into local storm drains and production of airborne dust (CASA, 2009i).</p> <p>• Stabilized Construction Roadway: Access roads and parking areas shall be stabilized immediately after any grading and maintained to prevent erosion and control dust after grading (CASA, 2009, Fact Sheet TC-2).</p> <p>• Temporary Stream Crossing: Where needed, a temporary culvert, ford, or bridge shall be placed across a waterway to provide access for construction purposes for a period of less than 1 year. These crossings are intended to eliminate erosion and downstream sedimentation caused by vehicles (CASA, 2009, Fact Sheet NS-4).</p>					
3.1-3	N/A					
3.1-4	<p>3.1-2: Standards for Modification or Replacement of Storm Drains. In the event roadway or agricultural storm drains need to be modified or replaced as a result of the channel alignment or other Project activities, such modification or replacement will be done in a manner to bring the Project up to current standards. The Project would replace or upgrade the facility to applicable standards in consultation with property owner. Depending on the funding source or location for a given Project activity, the improvements would be conducted by county, state, or federal standards. For drains in Solano County, the Project would rely on the Solano County Public Works specifications. For portions of the Project occurring exclusively within Yolo County (Wace Road to Road 106A Reach and Road 106A Reach to the BWVA) replacement drains would rely on the Yolo County Public Works specifications.</p> <p>In the event that roadway or agricultural storm drains within flood levees need to be modified or replaced as a result of Project activities, such modification or replacement shall be performed in strict consultation with the Central Valley Flood Protection Board (CVFPB) and according to CVFPB standards and requirements.</p>	Prior to and during construction	Applicable Jurisdiction	SCWA or contractor	Project Proponent Landowner	
3.2-1	See Mitigation Measure 3.1-1, Implement Erosion and Sediment Control BMPs, in the hydrology section.					
3.2-2	<p>3.2-1: Procedures to Prevent Contamination from Construction Equipment.</p> <p>In order to prevent contamination from vehicle or equipment leaks during Project activities, the Project Applicant shall implement the following actions:</p> <p>1. Vehicles shall be maintained and operated in a leak-free condition.</p> <p>2. Project vehicles shall not park or stored on impervious surfaces.</p> <p>3. No fueling or maintenance of vehicles or equipment shall occur in the channel or floodplain. The exception would be if equipment that cannot be readily relocated (e.g., pumps and generators).</p> <p>4. All off-site fueling sites (e.g., on access roads above the top-of-bank) shall be equipped with secondary containment and avoid a direct connection to underlying soil, surface water, or the storm drainage system.</p> <p>5. For any stationary equipment (e.g., pumps and generators) that must be fueled on-site, secondary containment, such as a drain pan, drop cloth or booms, shall be provided in such a manner to prevent accidental spill of fuels to underlying soil, surface water, or the storm drainage system.</p> <p>6. Petroleum products, chemicals, cement, fuels, lubricants, and non-storm drainage water or water contaminated with the aforementioned materials shall not be allowed to enter receiving waters or the storm drainage system.</p> <p>7. Waste disposal containers shall be covered when they are not in use.</p>	Prior to and during construction	CDPW	SCWA or Contractor	SCWA	
3.2-3	N/A					
3.2-4	See Mitigation Measure 3.1-1, Implement Erosion and Sediment Control BMPs, in the Hydrology section and Mitigation Measure 3.4-5, Swainson's Hawk Avoidance, in the biological resources section.					
3.3-1	N/A					
3.3-2	N/A					
3.3-3	See Mitigation Measure 3.1-1, Implement Erosion and Sediment Control BMPs, in the Hydrology section.					

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
3.3-4	N/A					
3.4-1	<p>3.4-1: Worker Environmental Awareness Program (WEAP). During construction of the Project, before any work occurs on the Project site, including grading, vegetation removal and equipment staging, all construction personnel shall participate in an environmental awareness training regarding special status species and sensitive habitats present on the Project site. Any additional construction personnel that are employed following the initial start of construction shall receive the mandatory training before starting work. As part of the training, an environmental awareness handout will be provided to all personnel that describes and illustrates sensitive resources (i.e., special status species and habitat, nesting birds/raptors) to be avoided during proposed Project construction and lists measures to be followed by personnel for the protection of biological resources. Such measures shall include, but are not limited to:</p> <ul style="list-style-type: none"> <li>• Procedures to follow if a special status species is found within the work area.</li> <li>• Checking under equipment and staging areas for wildlife species each morning prior to work.</li> <li>• Staying within designated work areas.</li> <li>• Maintaining exclusion/silt fencing.</li> <li>• Reduced Project speed limits.</li> <li>• No pets or firearms on-site.</li> <li>• Contain trash/food waste and remove daily to avoid encouraging predators onto the Project site.</li> <li>• Following Project Best Management Practices (BMPs).</li> </ul> <p>3.4-2: Western Pond Turtle Avoidance. The western pond turtle shall be protected from Project Area staging and operations areas through monitoring by a qualified biologist. The Project Area shall be inspected daily for the presence of turtles. If necessary, with consultation with CDFW, barriers shall be used when needed to direct the turtles and move them to an area of suitable habitat outside of the construction activity.</p> <p>3.4-3: Giant Garter Snake Avoidance. In areas that provide suitable habitat for giant garter snake, construction shall only occur during the active period for the snake, between May 1 and October 1. During the active period for giant garter snake direct mortality is lessened because snakes are expected to actively move and avoid danger. Preconstruction surveys for the giant garter snake shall occur within 24 hours prior to ground disturbing activities. A survey of the Project Area should be repeated if a lapse in construction activity of two weeks or greater has occurred.</p> <p>If a snake is encountered during construction, work shall stop within the vicinity of the snake and the USFWS will be contacted immediately. Only following receipt of USFWS approval shall giant garter snake be collected and transferred to the nearest suitable habitat outside the work area. Work shall not re-commence until a qualified biologist has either removed the snake from the construction area or, after thorough inspection, determined that the snake has vacated the construction area.</p> <p>Any dewatering or vegetation clearing within 200 feet of potential aquatic habitat for giant garter snake shall be limited to the minimum amount necessary.</p> <p>3.4-4: Valley Elderberry Longhorn Beetle (VELB) Avoidance. Valley elderberry plants (with stems greater than 1-inch diameter at ground level) occurring within the Project Area shall be avoided and, if avoidance is not possible, relocated to a designated location. Where Project impacts to elderberry shrubs cannot be avoided, or where shrubs are located within 30.5 meters (100 feet) of Project Area-specific activities, activities shall be conducted according to USFWS Conservation Guidelines for VELB (1999), or other VELB guidance as updated by the USFWS. VELB habitat shall be considered directly affected if Project construction requires the removal of the shrub or if ground-disturbing activities would occur within 6.1 meters (20 feet) of the dripline of the shrub. The species would be considered indirectly affected if Project construction would disturb the ground between 6.1 and 30.5 meters (20 and 100 feet) from the dripline of the shrub (USFWS, 1999). Transplantation or temporary removal of the affected shrubs may be necessary as prescribed by the guidelines, but plants that are extremely difficult to remove may be exempted. Planting of additional seedlings or cuttings may be required under the Project or program USFWS Biological Opinion, depending on the number of elderberry shrubs with emergence holes present in the Project Area.</p> <p>A monitoring plan of any mitigation measures in the Project Area shall be implemented as required under the Biological Opinion, including monitoring the general condition of the mitigation Project Area and the condition of the elderberry plantings for up to ten consecutive years. The plan shall describe monitoring responsibilities, intervals, intensity, and success rates. The monitoring plan shall further include requirements for reporting observations and findings to the applicable agency, for example, for VELB observations, to USFWS.</p>	Prior to and during construction	SCWA	SCWA or contractor	SCWA	
3.4-2		Prior to and during construction	USFWS CDFW	SCWA or contractor	SCWA	
3.4-3		Prior to and during construction	USFWS	SCWA or contractor	SCWA	
3.4-4		Prior to and during construction	USFWS	SCWA or contractor	SCWA	

Mitigation Measure	Summary of the Measure	Timing/Milestone Prior to and during construction	Responsibility for Oversight CDFW	Implementation of Mitigation Measure SCWA or contractor	Responsibility for Implementation SCWA	Checkoff Date/Initials																												
3.4-5	<p><b>3.4-5: Swainson's Hawk Avoidance.</b> For any construction activities initiated between March 15 and September 1, surveys for nesting Swainson's hawk shall be conducted within 0.5-mile of areas of disturbance for this species as described in the <i>Recommended Timing and Methodology for Swainson's Hawk Nesting Surveys in the California's Central Valley</i> (Swainson's Hawk Technical Advisory Committee, 2000). The recommended minimum survey protocol is completion of surveys for at least the two survey periods immediately prior to a project's initiation. Survey periods correspond to typical migration, courtship, and nesting behavior and defined as follows:</p> <table><tr><th>Survey Period</th><th>Dates</th><th>Survey Time</th><th>Number of Surveys</th></tr><tr><td>1. Recommended optional</td><td>January 1- March 20</td><td>All day</td><td>1</td></tr><tr><td>2</td><td>March 20- April 5</td><td>Sunrise to 1000 or 1600 to sunset</td><td>3</td></tr><tr><td>3</td><td>April 5- April 20</td><td>Sunrise to 1200 or 1630 to sunset</td><td>3</td></tr><tr><td>Initiating</td><td>April 21- June 10</td><td>All day; Monitoring known nests only</td><td>Ongoing</td></tr><tr><td>4. surveys is not recommended</td><td></td><td></td><td></td></tr><tr><td>5</td><td>June 10- July 30</td><td>Sunrise to 1200 or 1630 to sunset</td><td>3</td></tr></table> <p>If surveys determine that the species is present and nesting within this area, a buffer zone of 0.5-mile shall be established and coordination with CDFW shall be required prior to any work in this buffer zone during the nesting season. Work within 0.5-mile may be permitted with CDFW approval if a qualified biologist monitors the nest when Project disturbance activities occur within 0.5-mile of the nest. If the monitor determines that construction may result in abandonment of the nest, all construction activities within 0.5-mile shall be halted until the nest is abandoned or all young have fledged. The monitor shall continue monitoring the nest until construction within 0.5-mile of the nest is completed, or until all chicks have completely fledged and are no longer dependent on the nest.</p> <p><b>3.4-6: Nesting Bird Avoidance.</b> A pre-construction survey by a qualified biologist for nesting birds shall be required if construction activities are scheduled to occur during the breeding season (February 1 to August 31) for raptors and other migratory birds, including special-status bird species. The survey shall be conducted 15 days prior to ground disturbing activities and shall cover 500-foot radius surrounding the construction zone.</p> <p>If active nests are found, actions typically include, but are not limited to, monitoring by agency-approved biologists, establishment or refinement of species-specific buffers, reduction or elimination of the use of loud equipment, reducing foot traffic and remaining in the vehicles, and the maintenance of visual screens. Migratory birds shall be protected from Project Area staging and operations through the use of a buffer established based on the birds' sensitivity and response to the potential activity. Baseline behavior of the bird should be established to inform the buffer size. The qualified biologist may start with a 100-foot nest buffer or a 250-foot nest buffer for raptors, but may adjust the buffer size based on the reaction of the bird to the activity. If there is a potential for nest abandonment due to intrusion into the buffer zone, as established by the qualified biologist, then CDFW and the USFWS shall be consulted. If a lapse in Project-related work of 15 days or longer occurs, another focused survey, and if required, consultation with CDFW and the USFWS shall be performed before Project work can resume.</p> <p><b>3.4-7: Avoid and Minimize Impacts to Special-Status Bats.</b> In areas where suitable habitat occurs and there is potential for special-status bat species to be present, specific mitigation measure(s) will be developed in consultation with CDFW.</p> <p><b>3.4-8: Avoid and Minimize Impacts to Rare Plants.</b> Before the initiation of any vegetation removal or ground-disturbing activities, in areas that provide suitable habitat for special-status plants, the following measures shall be implemented:</p> <ul style="list-style-type: none"><li>A qualified biologist shall conduct appropriately timed surveys for special status plant species, in all suitable habitat that would be potentially disturbed by the Project.</li><li>Surveys shall be conducted following CDFW- or other approved protocol.</li><li>If no special status plants are found during focused surveys, the biologist shall document the findings in a letter to the lead agency, and other appropriate agencies as needed, and no further mitigation will be required.</li><li>If special status plants are found during focused surveys, the following measures shall be implemented:</li></ul>	Survey Period	Dates	Survey Time	Number of Surveys	1. Recommended optional	January 1- March 20	All day	1	2	March 20- April 5	Sunrise to 1000 or 1600 to sunset	3	3	April 5- April 20	Sunrise to 1200 or 1630 to sunset	3	Initiating	April 21- June 10	All day; Monitoring known nests only	Ongoing	4. surveys is not recommended				5	June 10- July 30	Sunrise to 1200 or 1630 to sunset	3	Prior to and during construction	CDFW	SCWA or contractor	SCWA	
Survey Period	Dates	Survey Time	Number of Surveys																															
1. Recommended optional	January 1- March 20	All day	1																															
2	March 20- April 5	Sunrise to 1000 or 1600 to sunset	3																															
3	April 5- April 20	Sunrise to 1200 or 1630 to sunset	3																															
Initiating	April 21- June 10	All day; Monitoring known nests only	Ongoing																															
4. surveys is not recommended																																		
5	June 10- July 30	Sunrise to 1200 or 1630 to sunset	3																															
3.4-6		Prior to and during construction	CDFW	SCWA or contractor	SCWA																													
3.4-7		Prior to and during construction	CDFW	SCWA or contractor	SCWA																													
3.4-8		Prior to and during construction	CDFW	SCWA or contractor	SCWA																													

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
	<p><b>Summary of the Measure</b></p> <ul style="list-style-type: none"> <li>- Information regarding the special status plant population shall be reported to the CNDDB.</li> <li>- If the populations can be avoided during Project Implementation, they shall be clearly marked in the field by a qualified botanist and avoided during construction activities. Before ground clearing or ground disturbance, all on-site construction personnel shall be instructed as to the species' presence and the importance of avoiding impacts to this species and its habitat.</li> <li>- If special status plant populations cannot be avoided, consultations with CDFW and/or USFWS would be required. If allowed under the appropriate regulations, the plants shall be mapped, photographed, and then transplanted to a suitable location by a qualified botanist. If required by the relevant agency, a plan to compensate for the loss of special status plant species, detailing appropriate replacement ratios, methods for implementation, success criteria, monitoring and reporting protocols, and contingency measures that would be implemented if the initial mitigation fails; the plan would be developed in consultation with the appropriate agencies prior to the start of local construction activities.</li> <li>- If mitigation is required, the Project proponent shall maintain and monitor the mitigation area for 5 years following the completion of construction and restoration activities. Monitoring reports shall be submitted to the resource agencies at the completion of restoration and for 5 years following restoration implementation. Monitoring reports shall include photo-documentation, planting specifications, a site layout map, descriptions of materials used, and justification for any deviations from the mitigation plan. Additional mitigation, monitoring may be required or modified by the administering agency, and those requirements would supersede this section.</li> </ul>					
3.4-9	<p>3.4-9: Monitor Riparian Habitat. In advance of construction, a Riparian Revegetation and Monitoring Plan shall be prepared for riparian areas which will describe the thresholds of revegetation success, monitoring and reporting requirements, and a description of the site-specific planting plan. The long-term ecological monitoring program described in the Plan will provide the basis for gauging the achievement of minimum performance standards. The Plan will describe a three-year riparian monitoring program that assesses the survival and health of on-site plantings. Appropriate performance standards may include, but are not limited to: an 80 percent survival rate of restoration tree and shrub plantings; absence of invasive plant species in restored areas; and self-sustaining conditions (i.e., plant viability without supplemental water) at the end of three years. The Plan will be submitted to the appropriate regulatory agencies for review and approval.</p> <p>3.4-10: Implement Aquatic Habitat Protection. Aquatic habitat shall be protected during Project Activities by limiting the amount of in-channel work and acquiring proper permits for work done within aquatic habitats. A fence shall be installed to the extent necessary to prevent the unintended discharge of excavated material and turbid water. The fencing shall be checked regularly and maintained until construction is complete. If needed, fish salvage shall be performed under the direct supervision of an approved biologist to avoid incidental take from Project activities. Following installation of any water diversion structures, and prior to placement of fill, the approved biologist shall perform surveys for any fish in the Project Area, collect, and transfer native fish, including Pacific lamprey, to the nearest suitable habitat to the work area. During holding and transportation, fish would be held in stream water collected from the Project reach.</p> <ul style="list-style-type: none"> <li>• Before removal and relocation begins, the approved biologist shall identify the most appropriate release location(s). Release locations should offer ample habitat for Pacific lamprey and other native fish and should be selected to minimize the likelihood of reentering the work area.</li> <li>• Relocation activities shall be performed during the morning when temperatures are coolest. Air and water temperatures would be periodically measured during dewatering activities to ensure native fish that may be present are protected.</li> <li>• If Pacific lamprey are relocated, the following procedure shall be used: <ol style="list-style-type: none"> <li>1. Handling of fish would be minimized. However, when handling is necessary, hands and nets would be wetted prior to handling.</li> <li>2. Any handled fish would be immediately placed in an aerated container with a lid in cool, shaded water. Aeration would be provided with a battery powered external bubbler. Fish would not be held more than 30 minutes.</li> <li>3. All handled fish would be moved directly to the nearest suitable habitat in the creek, as identified above.</li> </ol> </li> </ul>	Prior to construction	CDFW	SCWA	SCWA or contractor	
3.4-10	<p>3.4-10: Implement Aquatic Habitat Protection. Aquatic habitat shall be protected during Project Activities by limiting the amount of in-channel work and acquiring proper permits for work done within aquatic habitats. A fence shall be installed to the extent necessary to prevent the unintended discharge of excavated material and turbid water. The fencing shall be checked regularly and maintained until construction is complete. If needed, fish salvage shall be performed under the direct supervision of an approved biologist to avoid incidental take from Project activities. Following installation of any water diversion structures, and prior to placement of fill, the approved biologist shall perform surveys for any fish in the Project Area, collect, and transfer native fish, including Pacific lamprey, to the nearest suitable habitat to the work area. During holding and transportation, fish would be held in stream water collected from the Project reach.</p> <ul style="list-style-type: none"> <li>• Before removal and relocation begins, the approved biologist shall identify the most appropriate release location(s). Release locations should offer ample habitat for Pacific lamprey and other native fish and should be selected to minimize the likelihood of reentering the work area.</li> <li>• Relocation activities shall be performed during the morning when temperatures are coolest. Air and water temperatures would be periodically measured during dewatering activities to ensure native fish that may be present are protected.</li> <li>• If Pacific lamprey are relocated, the following procedure shall be used: <ol style="list-style-type: none"> <li>1. Handling of fish would be minimized. However, when handling is necessary, hands and nets would be wetted prior to handling.</li> <li>2. Any handled fish would be immediately placed in an aerated container with a lid in cool, shaded water. Aeration would be provided with a battery powered external bubbler. Fish would not be held more than 30 minutes.</li> <li>3. All handled fish would be moved directly to the nearest suitable habitat in the creek, as identified above.</li> </ol> </li> </ul>	Prior to and during construction	CDFW NMFS CVRWQCB	SCWA	SCWA or contractor	
3.4-11	N/A					
3.4-12	<p>3.4-11: Native or Migratory Fish or Wildlife Species Avoidance. The Native or Migratory Fish and Wildlife Species, such as North American beaver, North American otter, and other protected species shall be protected from Project staging and operations impacts through monitoring by a qualified biologist. Prior to construction, the Project Area shall be inspected for the presence of these species. If necessary, with consultation with CDFW, appropriate measures shall be taken to avoid and minimize Project impacts to these species. Additional specific measures to protect native or migratory wildlife species, may be required by CDFW under the 1600 series permit for the Project and shall be adhered to by the Project proponent.</p>	Prior to and during construction	CDFW	SCWA	SCWA or contractor	



Mitigation, Reporting and Monitoring Plan Lower Dutch Creek Restoration Project – Upper Reach Program

Mitigation Measure	Summary of the Measure	Timing/Milestone Prior to and during weed control	Responsibility for Oversight County Agricultural Commissioner	Implementation of Mitigation Measure SCWA	Responsibility for Implementation SCWA or contractor	Checkoff Date/Initials
3.4-13	<p><b>3.4-12: Implement Herbicide Protective Actions.</b> During all Project activities, herbicides shall only be used by a licensed applicator and shall be applied only to target plants. Herbicides shall not be used within 100 feet of blue elderberry plants.</p> <p>In order to avoid and minimize impacts related to herbicide use, use any herbicides during Project activities in accordance with all directions and protective actions listed on the product label of the herbicide being applied.</p> <p>In addition, take the following actions to ensure protection of fish, plant, and bird life during use of the herbicides listed below:</p> <ol style="list-style-type: none"> <li>Glyphosate: <ol style="list-style-type: none"> <li>Implement the following US EPA recommendations during Project activities (US EPA, 1993): <ol style="list-style-type: none"> <li>For non-aquatic uses, do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters and rinseate.</li> <li>For aquatic uses, only end-use products that are registered for aquatic uses. Do not contaminate water when disposing of equipment washwaters and rinseate. Treatment of aquatic weeds can result in oxygen loss from decomposition for dead plants. This loss can cause fish kills.</li> </ol> </li> </ol> </li> <li>Triclopyr: <ol style="list-style-type: none"> <li>As recommended by US EPA, avoid spray drift to prevent toxicity to non-target plants during Project activities (US EPA, 1998).</li> <li>Do not apply to open water or wetland areas to prevent toxicity to freshwater fish.</li> </ol> </li> <li>Imazapyr: <ol style="list-style-type: none"> <li>Implement the following US EPA recommendations during Project activities (US EPA, 2006): <ol style="list-style-type: none"> <li>If groundborne application is performed, take the following precautions to minimize potential risk to non-target terrestrial plants, aquatic vascular plants, and threatened and endangered species (US EPA, 2006, p. 33): <ul style="list-style-type: none"> <li>Use a nozzle height below 4 feet above the ground or plant canopy and coarse or coarser droplet size (ASABE S572) or, if specifically using a spinning atomizer nozzle, use a volume mean diameter (VMD) of 385 microns or greater.</li> <li>Do not apply with wind speeds greater than 10 mph.</li> <li>Do not apply into temperature inversions.</li> </ul> </li> <li>To minimize potential risk to aquatic vascular plants, do not apply to bodies of water or portions of bodies of water where emergent and/or floating weeds do not exist (US EPA, 2006, p. 32-33).</li> </ol> </li> </ol> </li> <li>Aminopyralid: <ol style="list-style-type: none"> <li>In addition to following all directions and protective actions listed on the product label, apply aminopyralid using hand-spray and spot treatments only (US EPA, 2005a, p. 18).</li> </ol> </li> <li>Chloramben: <ol style="list-style-type: none"> <li>To minimize potential harm to non-target plants, implement the following US EPA recommendations during Project activities (US EPA, 2005b, p. 6): <ol style="list-style-type: none"> <li>Employ measures to control spray drift.</li> <li>Restrict use to only one application per growing season.</li> </ol> </li> </ol> </li> <li>Dithiopyr: <ol style="list-style-type: none"> <li>Do not apply dithiopyr in or near water due to its toxicity to fish.</li> <li>To minimize potential harm to non-target plants, implement the following US EPA recommendations during Project activities (US EPA, 1991, p. 8): <ol style="list-style-type: none"> <li>Do not apply dithiopyr aerially.</li> </ol> </li> </ol> </li> <li>Isoxaben: <ol style="list-style-type: none"> <li>To minimize exposure to fish and aquatic invertebrates, implement the following actions (WSDOT, 2006, p. 3): <ol style="list-style-type: none"> <li>Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.</li> <li>Employ measures to control spray drift.</li> <li>Do not contaminate water when disposing of equipment washwaters and rinseate.</li> </ol> </li> </ol> </li> </ol>					
3.5-1	N/A					

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation Measure	Responsibility for Implementation	Checkoff Date/Initials
3.5-2	<p><b>Summary of the Measure</b></p> <p><b>3.5-1: Implementation of Construction Best Management Practices.</b> Project construction activities should implement as feasible and necessary to control dust, the Best Management Practices for construction identified in Section 6.1 of the YSAQMD 2007 CEQA Handbook. Best Management Practices identified to reduce dust emissions include:</p> <ul style="list-style-type: none"> <li>Water all active construction sites at least twice daily. Frequency should be based on the type of operation, soil, and wind exposure.</li> <li>Haul trucks shall maintain at least 2 feet of freeboard.</li> <li>Cover all trucks hauling dirt, sand, or loose materials.</li> <li>Apply non-toxic binders (e.g., latex acrylic copolymer) to exposed areas after cut and fill operations and hydroseed area.</li> <li>Apply chemical soil stabilizers on inactive construction areas (disturbed lands within construction projects that are unused for at least four consecutive days).</li> <li>Plant tree windbreaks on the windward perimeter of construction projects if adjacent to open land.</li> <li>Plant vegetative ground cover in disturbed areas as soon as possible.</li> <li>Cover inactive storage piles.</li> <li>Sweep streets if visible soil material is carried out from the construction site.</li> <li>Treat accesses to a distance of 100 feet from the paved road with a 6 to 12 inch layer of wood chips or mulch.</li> <li>Treat accesses to a distance of 100 feet from the paved road with a 6- inch layer of gravel.</li> </ul>	During construction	SCWA	SCWA	SCWA or contractor	
3.5-3	N/A					-
3.5-4	N/A					-
3.5-5	N/A					-
3.5-6	N/A					-
3.6-1	<p><b>3.6-1: Noise Reducing Construction Practices.</b> The following mitigation measures shall be implemented to reduce noise impacts of construction activities within 400 feet of residences:</p> <ul style="list-style-type: none"> <li>Limit construction activities in all cases to 7:00 a.m. to 7:00 p.m.</li> <li>Configure the construction site in a manner that keeps noisier equipment and activities as far as possible from noise sensitive locations, including the placement of staging areas as far as practicable from nearby residences.</li> <li>Require that all construction equipment powered by gasoline or diesel engines have sound-control devices that are at least as effective as those originally provided by the manufacturer.</li> <li>Preventing excessive noise by shutting down idle vehicles or equipment.</li> <li>When practical, use noise barriers between major construction activities and noise sensitive land uses or take advantage of existing barrier features (e.g., terrain to block sound transmission to noise-sensitive land uses). To be effective, the barriers shall break the line of sight between the noise-sensitive use and on-site construction equipment.</li> <li>Designate an on-site construction complaint and enforcement manager for the project and notify neighbors and occupants within 400 feet of the Project construction area at least 30 days in advance of extreme noise generating activities about the estimated duration of the activity.</li> </ul>	During construction	SCWA	SCWA	SCWA or contractor	
3.6-2	See Mitigation Measure 3.6-1 above.					-
3.7-1	<p><b>3.7-1: Procedures if Hazardous Materials Discovered.</b> If evidence of hazardous materials is discovered during Project activities, the Applicant shall notify the appropriate County Environmental Health Services. The Applicant shall test and analyze the materials following proper protocols to determine the presence of hazardous substances prior to making arrangements for off-site reuse/recycling or disposal. Testing shall be performed according to one of the following methods:</p> <ol style="list-style-type: none"> <li>The method recommended by the County Environmental Health Services in the county in which the materials are located.</li> <li>If the County Environmental Health Services does not specify a method, then the potentially hazardous material shall be tested as follows:</li> </ol>	During construction	County HazMat DTSC	SCWA	SCWA or contractor	

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
	<p>Conduct representative sampling of the material in accordance with procedures specified in Section One of "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" SW-846, 3rd Edition, US EPA (US EPA, 2014; US EPA, 2013).</p> <p>Arrange for testing of the material by a laboratory following the analytical procedures outlined in CCR Title 22, Division 4.5. The laboratory performing the testing shall be certified to perform the specific waste analysis by the State of California Department of Environmental Health.</p> <p>Deliver samples to the testing laboratory with a "Chain of Custody" type document which indicates the sample type, date, and time sample was taken, sample size, source of the waste, quantity of the waste, the type of sample container, place and address of collection, and the name and signature of collector.</p> <p>If testing indicates the presence of contamination, then the contaminated materials shall be excavated and disposed of in a permitted off-site disposal facility prior to completion of construction.</p> <p>See Mitigation Measure 3.7-1, Procedures to Prevent Contamination from Construction Equipment, in the Water Quality section.</p> <p>See Mitigation Measure 3.7-12, Implement Herbicide Protective Actions, in the Biology section.</p>					
3.7-2						
3.7-3						
3.7-4	<p><b>3.7-2: Fire Prevention Measures.</b></p> <ol style="list-style-type: none"> <li>1. All earthmoving and portable equipment with internal combustion engines shall be equipped with spark arrestors.</li> <li>2. Work crews shall have appropriate fire suppression equipment available at the work site.</li> <li>3. On days when the fire danger is high and a burn permit is required (as issued by the relevant Air Pollution Control District), flammable materials, including flammable vegetation slash, shall be kept at least 10 feet away from any equipment that could produce a spark, fire, or flame.</li> </ol>	During construction	SCWA	SCWA	SCWA or contractor	
3.8-1	N/A					
3.8-2	<p><b>3.8-1: Coordinate with Adjacent Landowners and Implement Access Restrictions.</b> The following measures shall be implemented to reduce impacts of restoration on adjacent agricultural lands:</p> <ul style="list-style-type: none"> <li>• The Project sponsor shall coordinate with adjacent landowners providing access and/or storage areas for project construction activities and materials. Access and construction work area plans acceptable to all parties shall be developed prior to the start of any construction abutting potentially affected lands.</li> <li>• In locations where post-construction access to private agricultural lands by the public may be facilitated by restoration efforts, the Project shall provide warning signage (i.e., Private Property – No Trespassing) and wildlife-friendly fencing along the creek as needed.</li> </ul> <p><b>3.9-1: Construction Fencing and Educational Signage.</b> In areas where construction activities would be visible to substantial numbers of viewers, SCWA shall place interpretive signage explaining the restoration process and goals. In addition, stockpiles shall be located away from public views and, if that is not feasible, screening fencing shall be placed to limit public views of equipment storage and soil stockpiles from public paths and recreation areas.</p>	During construction	SCWA	SCWA	SCWA or contractor	
3.9-1		Prior to and during construction	SCWA	SCWA	SCWA or contractor	
3.9-2	N/A					
3.10-1	<p><b>3.10-1: Provide Alternate Access to High-Use Recreational Sites.</b> The following measures shall be implemented as feasible to reduce impacts of construction access:</p> <ul style="list-style-type: none"> <li>• Where feasible, provide alternate trail and creek access where such access would be eliminated due to Project construction.</li> <li>• Stage restoration work in high-use areas to permit continued access to parts of reaches that are not undergoing active construction activities.</li> <li>• Minimize construction work limits.</li> <li>• To the maximum extent feasible, store equipment and soil stockpiles within the active construction zone.</li> <li>• If necessary, provide alternate access to picnic areas and formal trails/pathways that avoid the active construction zone.</li> <li>• Provide an alternative canoe take out above the Olmo-Hammond-JCD site when boat take-out at that site is interrupted.</li> </ul>	Prior to and during construction	SCWA	SCWA	SCWA or contractor	

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
3.10-2	<b>3.10-2: Implement Applicable Yolo County Recreation Policies, Where Feasible.</b> The Project sponsors shall work closely with Solano and Yolo Counties, University of California, Davis, and adjacent landowners to facilitate their provision of public access and recreational infrastructure into the Proposed Project on public lands and in places where the landowner is a willing participant and where impacts to sensitive biological resources can be avoided.	Prior to and during construction	SCWA	SCWA	SCWA or contractor	
3.11-1	<b>3.11-1: Establish a Buffer.</b> In order to minimize or eliminate the possibility that Project-related ground-disturbances would impact the integrity of the documented site components and/or human remains, a buffer of at least 100 feet shall be defined around the presently-mapped boundaries of each archaeological site. No ground-disturbing Project activities could occur within this buffer or the mapped site boundaries. This would reduce potential impacts to less-than-significant levels.	Prior to and during construction	SCWA	SCWA	SCWA or contractor	
3.11-2	<b>3.11-2: If Unrecorded Cultural Resources are Encountered.</b> If an inadvertent discovery of cultural materials (e.g., unusual amounts of shell, animal bone, glass, ceramics, structure/building remains, dark soil deposits and charcoal, stone implements and flakes, etc.) is made during Project-related construction activities, ground disturbances in the area of the find shall be halted and a qualified professional archaeologist will be notified regarding the discovery. The archaeologist shall determine whether the resource is potentially significant per the CRHR and develop appropriate mitigation to protect the integrity of the resource and ensure that no additional resources are impacted. Mitigation could include, but not necessarily be limited to preservation in-place, archival research, subsurface testing, or contiguous block unit excavation and data recovery.	Prior to and during construction	SCWA	SCWA	SCWA or contractor	
3.11-2	<b>3.11-3: Human Remains.</b> The county sheriff/coroner is required to examine all discoveries of human remains within 48 hours of receiving notice of a discovery on private or state lands (Health and Safety Code Section 7050.5(b)). If the coroner determines that the remains are those of a Native American, he or she must contact the NAHC by phone within 24 hours of making that determination (Health and Safety Code Section 7050(c)).  Following the coroner's findings, the property owner, contractor or Project proponent, an archaeologist, and the NAHC-designated MLD shall determine the ultimate treatment and disposition of the remains and take appropriate steps to ensure that additional human interments are not disturbed. The responsibilities for acting upon notification of a discovery of Native American human remains are identified in PRC Section 5097.9.  The landowner shall ensure that the immediate vicinity (according to generally accepted cultural or archaeological standards and practices) is not damaged or disturbed by further development activity until consultation with the MLD has taken place. The MLD shall have 48 hours to complete a site inspection and make recommendations after being granted access to the site. A range of possible treatments for the remains, including nondestructive removal and analysis, preservation in place, relinquishment of the remains and associated items to the descendants, or other culturally appropriate treatment may be discussed. Assembly Bill (AB) 2641 suggests that the concerned parties may extend discussions beyond the initial 48 hours to allow for the discovery of additional remains. AB 2641(e) includes a list of site protection measures and states that the landowner shall comply with one or more of the following: <ul style="list-style-type: none"> <li>Record the site with the NAHC or the appropriate Information Center;</li> <li>Utilize an open-space or conservation zoning designation or easement; and/or</li> <li>Record a document with the county in which the property is located.</li> </ul> The landowner or their authorized representative shall rebury the Native American human remains and associated grave goods with appropriate dignity on the property in a location not subject to further subsurface disturbance if the NAHC is unable to identify a MLD or the MLD fails to make a recommendation within 48 hours after being granted access to the site. The landowner or their authorized representative may also re-inter the remains in a location not subject to further disturbance if they reject the recommendation of the MLD, and mediation by the NAHC fails to provide measures acceptable to the landowner. Adherence to these procedures and other provisions of the California Health and Safety Code and AB 2641(e) will reduce potential impacts to human remains to a less-than-significant level.	During construction	Sheriff/coroner NAHC	SCWA	SCWA or contractor	
3.12-1	N/A					-
3.12-2	N/A					-
3.12-3	N/A					-
3.12-4	N/A					-

Mitigation Measure	Summary of the Measure	Timing/Milestone	Responsibility for Oversight	Implementation of Mitigation Measure	Responsibility for Implementation	Checkoff Date/Initials
3.13-1	N/A					-
3.13-2	N/A					-
3.14-1	See Mitigation Measure 3.1-2, Standards for Modification or Replacement of Storm Drains, in the Hydrology section.					-
3.14-2	N/A					-
3.14-3	<p>3.14-1: Locate and Avoid Buried Pipelines. In accordance with state Government Code Section 4216 et seq. and guidance issued by the U.S. Department of Transportation Pipeline &amp; Hazardous Materials Safety Administration (PHMSA), the Project applicant and excavator will contact the regional notification center at least two working days, but not more than 14 calendar days, prior to commencing that excavation. If practical, the excavator shall delineate the area to be excavated with white paint or other suitable markings.</p> <p>In accordance with Government Code Section 4216.4, if consultation with the regional notification center indicates a Project excavation is near a pipeline, then the excavator shall determine the exact location of the pipeline by excavating with hand tools before using any power-operated or power-driven excavating or boring equipment. However, power-operated or power-driven equipment may be used for the removal of any existing pavement if there are no subsurface installations contained in the pavement.</p> <p>If documented notice of the intent to use vacuum excavation devices, or power-operated or power-driven excavating or boring equipment, has been provided to the pipeline operator, and it is mutually agreeable with the operator and the excavator, the excavator may utilize vacuum excavation devices, or power-operated or power-driven excavating or boring equipment within the approximate location of a pipeline.</p> <p>If the exact location of the pipeline cannot be determined by hand excavating, the excavator shall request the pipeline operator to provide additional information, to enable the excavator to determine the exact location of the installation.</p> <p>In the event Project activities discover damage or cause damage to a pipeline installation, including all breaks, leaks, nicks, dents, gouges, grooves, or other damage, to lines, conduits, coatings, or cathodic protection, the Project applicant and excavator shall immediately notify the pipeline operator. If a pipeline is damaged and the operator cannot be contacted, the excavator shall call 911 emergency services.</p>	Prior to construction	PHMSA	SCWA		

# SOLANO COUNTY WATER AGENCY



## MEMORANDUM

**TO:** Board of Directors

**FROM:** Roland Sanford, General Manager

**DATE:** July 7, 2017

**SUBJECT:** July General Manager's Report

---

By design, this month's Board meeting agenda is light – Several Board members, including myself, have either been on or are still on vacation. I will have a brief verbal report at the July 13, 2017 Board meeting.

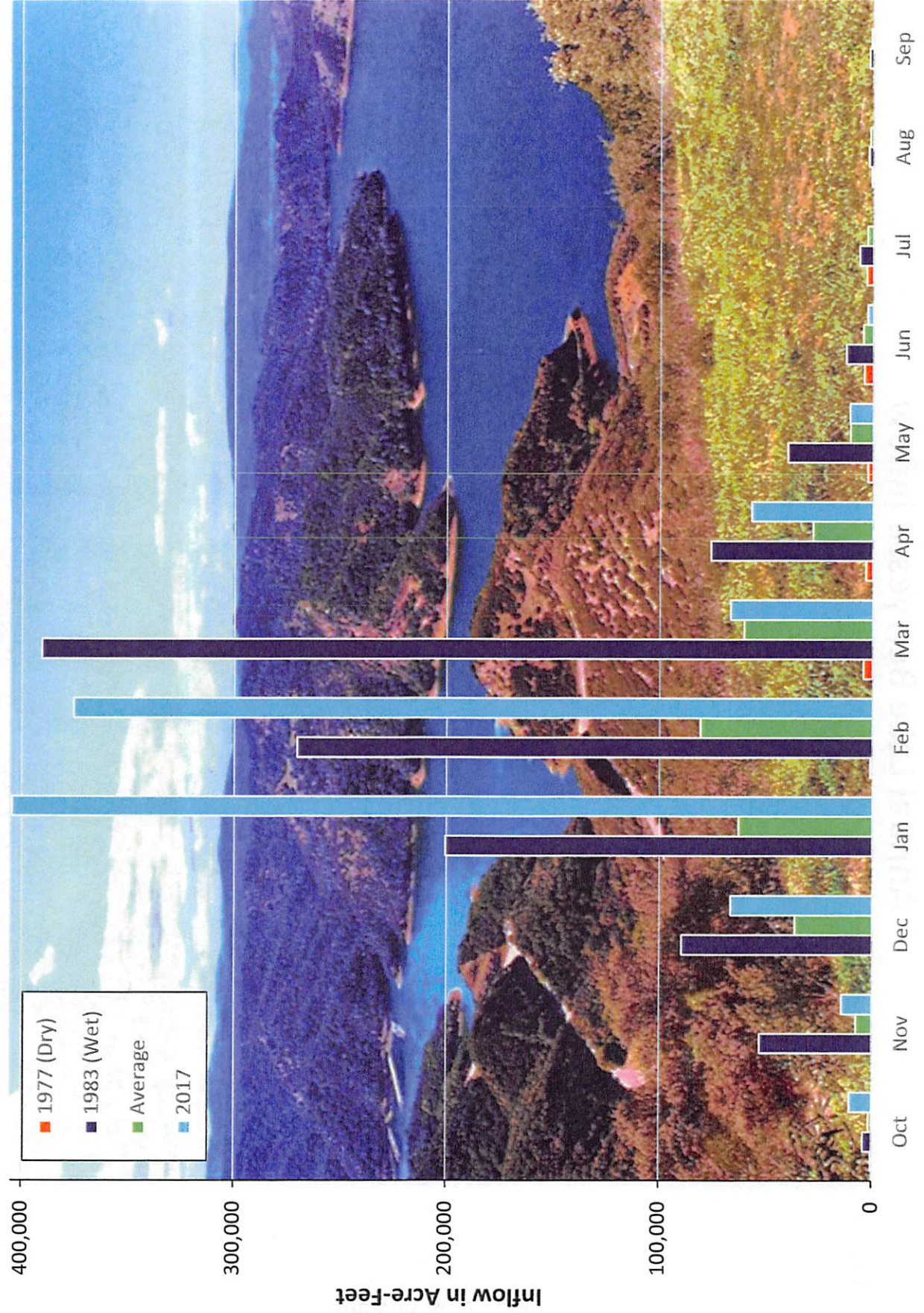
Beginning with this General Manager's report we will include newspaper clippings relevant to the Water Agency. While I realize many of you routinely follow the news media online, for those that don't or only sporadically I hope you will find these newspaper compilations helpful. If not let me know.

Finally, it is now official, this last winter was the 2<sup>nd</sup> wettest winter for the Lake Berryessa drainage (over 1,007,000 acre-feet of runoff) since 1906 (see attached chart).



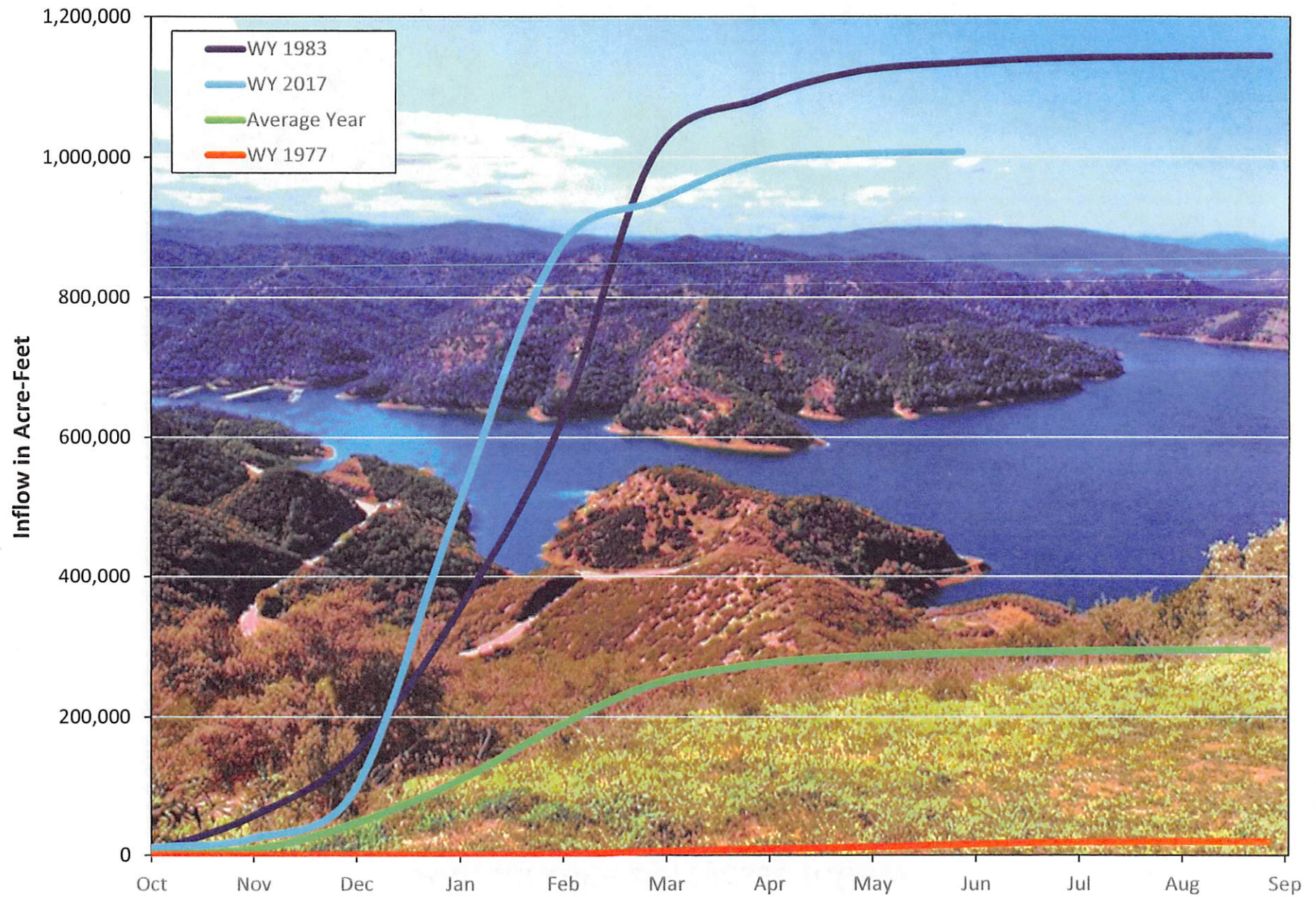


# Annual Lake Berryessa Inflow





## 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)**

Ayers Associates – Putah Diversion Dam Bulkhead Installation - \$7,600  
Brereton Architects – Office Expansion - \$1,224  
Gates Consulting – IRWMP Grant Reporting Form - \$10,000  
Jeff Janik – NBA Phytoplankton Monitoring - \$18,000  
KC Engineering – Construction Materials Testing - \$20,000  
KUIC Radio – Hometown Green Sponsorship - \$15,000  
Laugenor and Meikle – Surveying and Engineering Support - \$20,000  
Normandeau – Fish Monitoring and Habitat Analysis - \$18,305  
Rock Steady Juggling – Solano School Water Education Program - \$25,000  
Terra Reality Advisors – SCWA Office Expansion - \$15,000  
Thinking Green Consultants – Solano Smart Controller Rebate Program - \$25,000  
UC Davis – Putah Creek Restoration Internship - \$16,000

**Non-Professional Service Agreements (\$30,000 and less) - none**

**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.



# Winters Express

Fall sports  
training  
begins  
— Page B-1

Winters, Yolo County, California, Thursday, June 15, 2017

The hometown paper of Carl & Harriette Adams



Courtesy photo

Eric Chapman, the lead Fisheries Researcher who was collecting salmon heads to obtain the ear stones. He is also leading the effort at the Screw Trap. This was a very large salmon that we found near I-505. I had been watching this fish for several days before he died.

## Putah Creek salmon: lost or coming home?

By KEN W. DAVIS  
Special to the Express

As several hundred Chinook salmon milled around in front of us on a cold November morning, a state fisheries biologist looked at me and asked, "Ken, what changed? Why are all these salmon showing up now? Just a few years ago, we had none."

My answer was simple: Restoration of Lower Putah Creek.

Since 2005, I have watched and monitored numerous restoration projects between

the Putah Diversion Dam and I-505. The projects came to a peak on May 1, 2013, when a Solano County Water Agency water resource technician notified me about small fish that were jumping near the Diversion Dam. After several days of investigating, underwater video confirmed that the thousands of fish were juvenile Chinook salmon.

The young fish were a total surprise to everyone because there were no adult salmon documented in the creek in December 2012. The rest is history.

Since 2013, the numbers of adult salmon have doubled every year. This spring we were looking forward to seeing the number of fingerlings that resulted from more than 1,800 salmon spawning in December 2016.

Then the floods covered the lower creek, bank to bank. The high waters flooded the lower creek just when the salmon were hatching. I had nightmares of sediment filling the salmon nests, suffocating the eggs and possibly killing

See SALMON on page A-3



# SALMON

Continued from page A-1

the young salmon that were still attached to their eggs. The good news is that I have watched many young salmon at that stage. They are excellent swimmers despite the egg sac attached to their belly. If the floodwaters dug them from their gravel nests, they had a decent chance to relocate to safe areas downstream.

When the high water receded in May, I was relieved to see significant numbers of juvenile salmon near the Diversion Dam. Many scientists will explain that the young salmon are supposed to take off for the ocean in April, yet we have documented that many of the young salmon stay in Lower Putah Creek well into the fall, just before the adults arrive to spawn. Why?

The best answer might have come from my father, a plumbing contractor and avid angler, who gave me honest answers regarding salmon and salmonid habits. His wise retort was "typically, 'Ken, I don't know, I've never been a salmon.'"

Most experts believe that the cool water supplied all summer by Lake Berryessa and an abundance of food might be enough to encourage the juvenile salmon to stay.

The tough question is, "Are the adults returning to Putah Creek or are they lost?" Either way, the spawning Chinooks are developing a run of salmon that will call Putah Creek their

natal stream. I have observations and anecdotal information that has convinced me that some of the 1,800 salmon that spawned in 2016 were fish that were born in the creek near Winters. Others will tell you the fish were here because of the drought, or they are strays from other Central Valley rivers, or they are simply lost.

Wading through the myriad of answers about the salmon, you will notice that none are scientific. Pontification and guesses are not enough, especially with all the press that has surrounded the Putah Creek Accord signed in 2000 and the fact that Putah Creek flows rather close to one of the top universities on the green planet. Some would say that the gravel was too thin for spawning, or the juveniles could not get to the ocean, as the water was too warm and predators too common. The fact is that no one really knew the answers or was seeking the answers.

That has changed! We all might thank Roland Sanford, the new Solano County Water Agency (SCWA) general manager, for funding the studies that will begin to reveal the hidden secrets of the Putah Creek salmon. That started on Dec. 14, 2016 when a state permit was approved for Eric Chapman, a fisheries researcher at UC Davis, to begin collecting salmon heads.

After the Chinooks spawn, they die. Inside their multicolored heads, which are discolored by a variety of fungi and bacteria, are some of the secrets. Information

is hidden in the ear bones called otoliths. More accurately, they are ear stones because they keep growing throughout the life of the fish. Like the growth rings in a tree, the otoliths can be examined to tell the age of a fish. Even better, the minerals can be analyzed to determine the riverine origin of the animal.

SCWA also acquired a screw trap, which safely captures fish moving downstream. The fish are removed from the holding tank of the spinning trap at least twice per day, measured and weighed, and some are injected with a PIT tag. Costing only a few cents, the "Passive Integrated Transponder" tags are encoded with a special Putah Creek code that will stay in place (hopefully) for the life of the salmon. If it returns to Putah Creek, the code can be detected by special sensors.

Why is it important to know the origin of the salmon? Years of challenging work and financing have been spent to establish the salmon run in lower Putah Creek. The restorative work is also benefiting the aquatic insects, other native fish and riparian wildlife.

Documentation is a major part of my work and it's one guarantee that I can give you. The restoration projects have increased the trout and other native fish populations, increased the diversity of the aquatic insect community and benefited the riparian birds that feed on adult mayflies and other insects that originate in the creek.

Restoration has also facilitated public access to the creek and increased viewing opportunities of the returning salmon.

The new Winters car bridge has already been nicknamed the "New Fanny Bridge" due to the numbers of residents and visitors who are leaning over the railing — fannies in the air — to see the salmon below.

Laurie Banks, a Sacramento resident, was in Winters for dinner when she heard about the salmon under the bridge.

"This is fantastic to be able to view these beautiful King Salmon right here in Winters," she said.

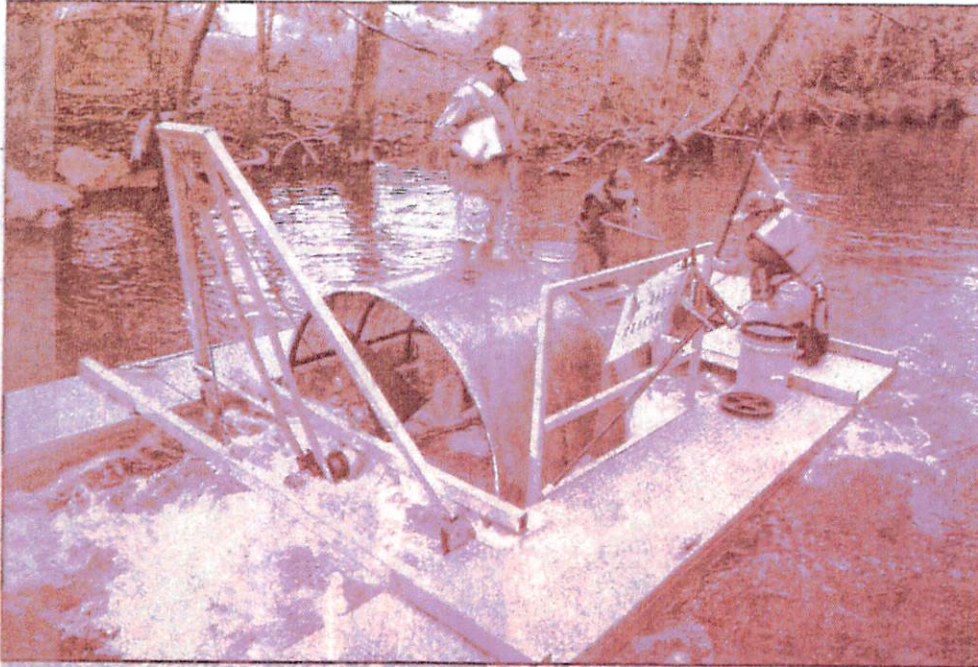
As past president of a large fly fishing club in Sacramento, Banks is now interested in working with her club to develop tours in the Winters Putah Creek parkway during the salmon spawning season.

"It would be nice to have docents on site during the run to show visitors the salmon," suggested Banks.

Moving her arm gracefully as if to cast an artificial fly toward the fish, Banks also inquired about the fishing regulations and asked that everyone be reminded that it is illegal to fish for salmon in Putah Creek. She also shared some ideas about viewing the fish: restrain your pets, move slowly, and stay downstream of the fish so they cannot see you.

We all look forward to the salmon run in 2017. I am anticipating another excellent run of 2,500-3,000 fish. Remember that the salmon have a tough trip from the Pacific. Let's welcome them, celebrate their presence, and protect





Courtesy photo

This is the "screw trap" that was installed in the lower creek. Fish moving downstream go through the spinning cone and are caught in a large holding tank at the end of the floating apparatus. Eric Chapman stands on the left, while his assistants remove fish from the holding tank. This is a good measure of how many juvenile salmon are migrating downstream. The screw trap was docked during the floods.



Courtesy photo

People look at the salmon below the car bridge over Putah Creek, nicknamed "Fanny Bridge" from all the people leaning over the rail.

**ACTION OF  
SOLANO COUNTY WATER AGENCY**

**DATE:** July 13, 2017

**SUBJECT:** Presentation on environmental hazards of abandoned lead-sheathed telecommunications cables

---

**RECOMMENDATION:**

Hear presentation by representatives of Green Planet 21 on the environmental hazards of abandoned lead-sheathed telecommunications cables.

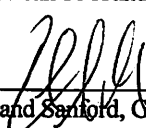
**FINANCIAL IMPACT:** None

**BACKGROUND:**

Telecommunications companies and the U.S. Military have been using buried lead sheathed cables in California and across the United States for approximately 100 years. Many of these cables are no longer used but remain in place – abandoned. As these lead sheathed cables deteriorate they become a potential source of lead contamination in the surrounding soil and underlying groundwater. Lead contamination at even low concentrations – parts per billion – has been shown to measurably impact human IQ, fertility, and increase aggressive behavior among children (see attached PowerPoint presentation slides)

Green Planet 21 is a recycling company whose services include recycling of utility cables. Additional information about Green Planet 21 can be found at [www.greenplanet21.com](http://www.greenplanet21.com).

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 July 13, 2017 by the following vote.

Ayes:

Noes:

Abstain:

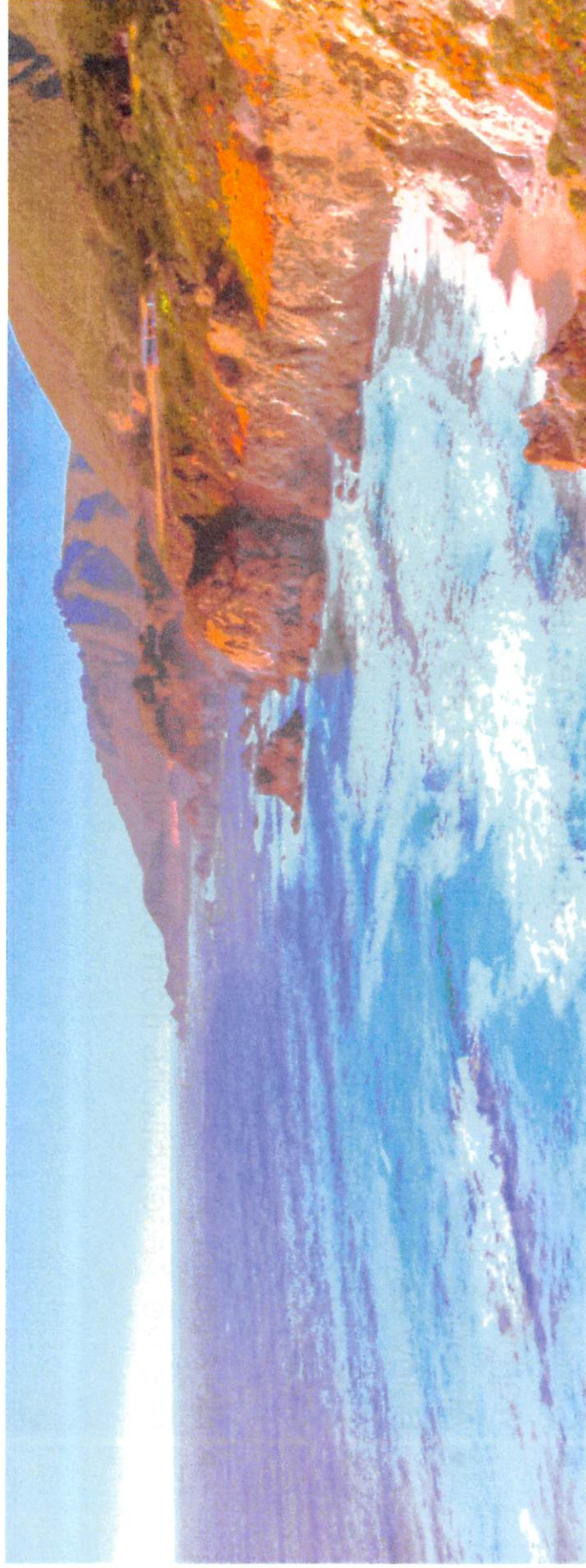
Absent:

---

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



# Lead Free California



Wine Q1 2009

## **Miles Of Lead**

- The phone companies and the US military has been using lead sheathed cable in California for approximately 100 years
- Companies stopped using lead in 1978 after lead poisoning ravaged their workforce.
- Although lead is no longer used, 50% of the telephone cable that is sitting below us is still sheathed in lead
- The phone companies have shifted to fiber networks and do not use these cables
- No amount of lead is safe. We must demand that the phone companies remove these poisons from our environment

# Risks

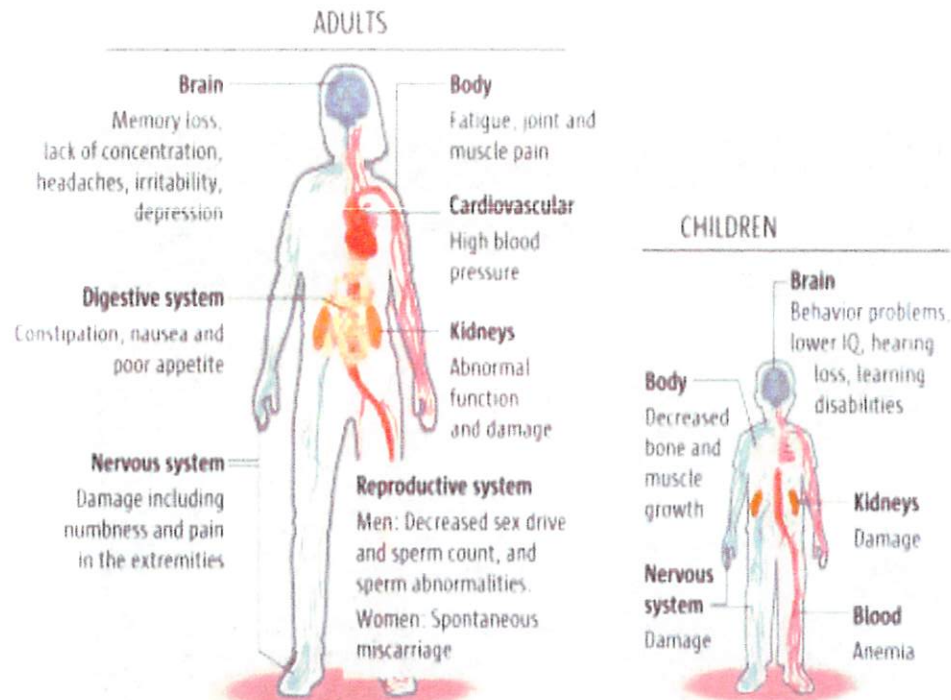
- As time passes the integrity of the cable deteriorates
- When the cable is broken, tiny pieces of lead seep into our soil
- Once in our soil, water passes over it, and carries tiny amounts of lead into all areas of our environment
- We must be concerned that lead is contaminating our water table and food supply





## Dangers of Lead

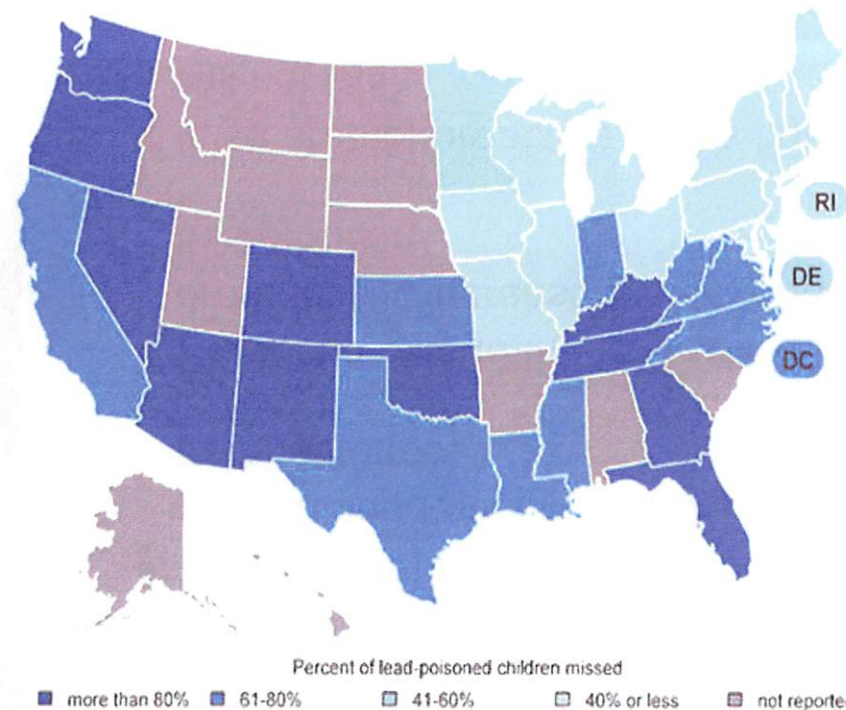
- Lead is one of the most toxic elements known to man
- Small amounts can measurably impact IQ, fertility and cause aggressive behavior
- Lead is devastating for the physical and mental development of children
- It is important to safeguard the health of the citizens of California



# Epidemic

- Lead only stays in the blood for a short time, so it can be hard to detect exposure
- Between 61-80% of child lead poisoning cases in California go undiagnosed.
- Not enough attention is being paid to this horrible epidemic

Percent of lead-poisoned children missed in the U.S., by state



## Protecting Our Soil



- Lead in our soil is already a very serious concern
- Sources of this lead include leaded paint, leaded gasoline, and pollution from factories.
- Proposed cuts to the EPA will dramatically increase the severity of this problem
- If we are not proactive in this fight we will not win



## Removal!

- The phone companies can remove this cable at no cost to the taxpayers because of the value of the copper in these cables.
- The phone companies have shifted to fiber networks and do not use these cables
- There is no good reason other than negligence for the phone companies not to address the removal of this potential toxin from our environment



# Action

- Pass a resolution and send it to ATT asking for a timetable for removing the cable
- We want to be first in line when it comes to the removal of these poisons
- Let's get the lead out of California's communities!

