

SOLANO COUNTY WATER AGENCY



BOARD OF DIRECTORS MEETING

BOARD OF DIRECTORS:

Chair:

Mayor Ron Kott
City of Rio Vista

Vice Chair:

Director Dale Crossley
Reclamation District No. 2068

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

Supervisor Erin Hannigan
Solano County District 1

Supervisor Monica Brown
Solano County District 2

Supervisor Jim Spering
Solano County District 3

Supervisor John Vasquez
Solano County District 4

Supervisor Skip Thomson
Solano County District 5

Director Lance Porter
Solano Irrigation District

Mayor Lori Wilson
City of Suisun City

Mayor Ron Rowlett
City of Vacaville

Mayor Bob Sampayan
City of Vallejo

GENERAL MANAGER:

Roland Sanford
Solano County Water Agency

DATE: Thursday, October 8, 2020

TIME: 6:30 P.M.

PLACE: Virtual Meeting – Zoom Meeting

Join Zoom Meeting:

<https://us02web.zoom.us/j/89276434457?pwd=WWs2dzhyOUluVVhneDhZVitBUjB5dz09>

Meeting ID: 892 7643 4457/Passcode: 175480

One tap mobile+16699009128,,89276434457#,,,,,0#,,175480#

Find your local number: <https://us02web.zoom.us/j/89276434457?pwd=WWs2dzhyOUluVVhneDhZVitBUjB5dz09>

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. APPROVAL OF AGENDA

4. PUBLIC COMMENT

If you wish to make a Public Comment, please contact the Secretary at:

clew@scwa2.com to expedite the process, thank you. Public Comments may still be made during the virtual meeting without prior notice.

5. CONSENT ITEMS (estimated time: 5 minutes)

(A) Minutes: Approval of the Minutes of the Board of Directors meeting of September 10, 2020.

(B) Expenditure Approvals: Approval of the September 2020 checking account register.

(C) Quarterly Financial Reports: Approve the Income Statement and Balance Sheet of September 2020.

(D) FY 2020-2021 Appropriations Limit: Adopt Resolution Number 2020-06 establishing the fiscal year 2020-2021 State appropriations limit of \$16,662,604.

(E) Adoption of Revised Conflict of Interest Code: Adopt revisions to Water Agency's Conflict of Interest Code.



- (F) Contract Amendment with Luhdorff & Scalmanini Consulting Engineers: Authorize General Manager to execute \$92,861 contract amendment with Luhdorff & Scalmanini Consulting Engineers for construction of additional groundwater monitoring wells and analysis of data.
- (G) Sale of Surplus Property: Adopt Resolution Number 2020-07 authorizing sale of surplus equipment no longer needed or useful for ongoing and anticipated Lower Putah Creek restoration activities.
- (H) Contract Amendment with Southwest Environmental Inc: Authorize General Manager to execute \$35,000 contract amendment with Southwest Environmental Inc. for continuation of High Efficiency Toilet (HET) rebate program.
- (I) Contract Amendment with Department of Water Resources: Authorize General Manager to execute contract amendment #6 with Department of Water Resources for continued participation in Dry Year Water Purchase Program.
- (J) Contract with CBEC for Post-Fire Flood Modeling: Authorize General Manager to execute a \$65,000 professional services contract with CBEC for post-fire flood modeling for the Ulatish-Alamo Creek Watershed.

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

RECOMMENDATION: For information only.

9. **REVIEW OF FLOOD MANAGEMENT POLICY** *(estimated time: 20 minutes)*

RECOMMENDATION: Hear presentation and provide direction to staff.

10. **LEGISLATIVE UPDATES** *(estimated time: 10 minutes)*

RECOMMENDATION:

- 1. Hear report from Committee Chair on activities of the SCWA Legislative Committee.
- 2. Hear report from Bob Reeb of Reeb Government Relations, LLC.

11. WATER POLICY UPDATES *(estimated time: 5 minutes)*

RECOMMENDATION:

1. Hear report from staff on current and emerging Delta and Water Policy issues and provide direction.
2. Hear status report from Committee Chair on activities of the SCWA Water Policy Committee.
3. Hear report from Supervisor Thomson on activities of the Delta Counties Coalition, Delta Protection Commission, and Delta Conservancy.
4. Hear report from Mayor Patterson on activities of the North Bay Watershed Association (see <https://www.nbwatershed.org> for additional information)

12. CLOSED SESSION *(estimated time: 20 minutes)*

CONFERENCE WITH REAL PROPERTY NEGOTIATORS (Gov. Code § 54956.8)

Property: Sackett Ranch Solano County Assessor Parcel Number 101-020-110

Agency negotiator: Roland Sanford, Jeanne Zolezzi

Negotiating parties: Solano County

Under negotiation: Shared ownership and operation of Sackett Ranch

13. TIME AND PLACE OF NEXT MEETING

Thursday, November 12, 2020 at 6:30 p.m. at the SCWA offices.

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

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

CONSENT ITEMS

**SOLANO COUNTY WATER AGENCY
BOARD OF DIRECTORS MEETING MINUTES
MEETING DATE: September 10, 2020**

The Solano County Water Agency Board of Directors met this evening via Zoom teleconferencing, in deference to the ongoing State and County COVID-19 “shelter in place” directives. Present were:

Mayor Elizabeth Patterson, City of Benicia
Vice-Mayor Scott Pederson, City of Dixon
Mayor Harry Price, City of Fairfield
Mayor Ronald Kott, City of Rio Vista
Mayor Lori Wilson, City of Suisun City
Mayor Ron Rowlett, City of Vacaville
Mayor Bob Sampayan, City of Vallejo
Supervisor Erin Hannigan, Solano County District 1
Supervisor Monica Brown, Solano County District 2
Supervisor Jim Spering, Solano County District 3
Supervisor John Vasquez, Solano County District 4
Supervisor Skip Thomson, Solano County District 5
Director Dale Crossley, Reclamation District No. 2068
Director Lance Porter, Solano Irrigation District

CALL TO ORDER

The meeting was called to order by Chair Kott at 6:30 pm.

APPROVAL OF AGENDA

On a motion by Mayor Price and a second by Supervisor Brown the Board unanimously approved – by roll call vote - the agenda.

PUBLIC COMMENT

There were no public comments.

CONSENT ITEMS

On a motion by Supervisor Vasquez and a second by Vice-Mayor Pederson the Board unanimously approved – by roll call vote - the following consent items:

- (A) Minutes
- (B) Expenditure Approvals
- (C) Service Agreement with TRPA Fish Biologists
- (D) Contract Amendment with thinking Green Consultants
- (E) Contract with Kennedy Jenks for Urban Water Management Plan Support

BOARD MEMBER REPORTS

There were no Board Member reports.

GENERAL MANAGER’S REPORT

There were no additions to the General Manager’s written report.

SOLANO WATER ADVISORY COMMISSION

The Solano Water Advisory Commission did not meet in August.

IMPACTS OF LNU LIGHTNING COMPLEX FIRE ON WATER AGENCY OPERATIONS

General Manager Roland Sanford began the discussion with an overview of the damage caused by the LNU Lightning Complex Fire (LNU Fire). He noted that for the most part there was comparatively little direct damage to Water Agency infrastructure, but that staff is very concerned about the potential for soil erosion, fire-related debris clogging stream channels, and contaminated runoff impacting the Solano

Project and the Ulati Flood Control Channels. Mr. Sanford explained that damage assessments are ongoing and given the massive size of the burn area, the Water Agency will need to prioritize where and which remediation measures to perform in the short term. He observed that based on an initial review of the situation, it is likely that emphasis will be placed on the Pleasants Creek and Cold Canyon drainages located between Monticello Dam and the Putah Diversion Dam, which have the most direct impact on the operation of the two dams and water quality conditions in the Putah South Canal; followed by Lake Berryessa, where the principal concern appears to be floating debris that at some point could be discharged to Lower Putah Creek when the Glory Hole spills; and finally, the headwaters of the Ulati Creek drainage, which could become a major source of debris during flood flows. Mr. Sanford further stated that staff anticipates implementing an expanded water quality monitoring program to at the very least provide the Solano Project water users information regarding the extent and nature of any contaminants their water treatment plant operators should anticipate and plan for.

Following Mr. Sanford's overview, Principal Water Resources Engineer Alex Rabidoux began a PowerPoint presentation of the LNU Fire impacts at and near Lake Berryessa. Mr. Rabidoux noted that the Markley Cove Resort was essentially destroyed, and that most of the resorts at the Lake had sustained extensive damage. He displayed a number of photos of destroyed structures, including homes located at Berryessa Highlands, and explained that while floating debris in Lake Berryessa was a concern, staff was much more concerned about contaminated runoff from burnt structures during the forthcoming rainy season.

Mr. Sanford continued the PowerPoint presentation with a discussion of the Pleasants Creek and Cold Canyon drainages located between Monticello Dam and the Putah Diversion Dam. He described how these drainages have historically been major sources of sediment and that by virtue of their location, just upstream of the Putah Diversion Dam and headworks of the Putah South Canal, they tend to have a disproportionately larger impact on Solano Project operations, as opposed to the much larger drainage area upstream of Monticello Dam. Mr. Sanford presented photos of the two drainages taken in 1997, an extremely wet year in which both Pleasants Creek and Cold Canyon deposited large quantities of sediment into Putah Creek, and commented that a similar scenario could unfold this winter due to the lack of healthy vegetation. He then described staff's proposal to install "rock vanes" at various locations along lower Pleasants Creek, to capture sediment and minimize the potential for further channel erosion, and discussed the staff's recommendation to employ emergency contracting and to the degree possible, emergency regulatory permitting protocols to expedite installation of the rock vanes.

Several Board members asked questions about the impacts of the fire and offered suggestions. Following what amounted to a short question and answer session, Mr. Sanford concluded the PowerPoint presentation with a brief discussion of the potential fire-related impacts to the Ulati Flood Control Project, noting that the primary concern was fire-related debris clogging stream channels and potentially damaging instream structures.

On a motion by Supervisor Vasquez and a second by Mayor Price the Board unanimously approved – by roll call vote – 1) Adoption of Resolution 2020-03 authorizing staff to employ emergency contracting procedures pursuant to the Uniform Public Construction Cost Accounting Act for post-fire remediation projects, including but not limited to erosion control, debris removal, and water quality monitoring in the Lake Berryessa drainage, Lower Putah Creek, and Solano County; 2) Adoption of Resolution 2020-04 confirming that the proposed emergency post-fire remediation projects are statutorily exempt from CEQA; and 3) Authorized the General Manager to execute a \$94,000 contract with Streamwise for construction of up to 32 rock vane weirs at various locations along Pleasants Creek.

LEGISLATIVE UPDATES

Chair Kott reported that the Legislative Committee did not meet in August. Bob Reeb, the Water Agency's legislative advocate, stated that the legislative session will be ending soon and it is unlikely that legislators will be called back for a special legislative session.

WATER POLICY UPDATES

1. Staff had nothing to report on emerging Delta and Water Policy issues.
2. The Water Policy Committee did not meet in August.
3. Supervisor Thomson had nothing to report on The Delta Counties Coalition, Delta Protection Commission, or the Delta Conservancy.
4. Mayor Patterson stated that there were no additions to the notes of the North Bay Watershed Association meeting in the Board packet.

TIME AND PLACE OF NEXT MEETING

Thursday, October 8, 2020 at 6:30 p.m., at the SCWA offices in Vacaville.

ADJOURNMENT

This meeting of the Solano County Water Agency Board of Directors was adjourned at 7:37 p.m.

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

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: October 8, 2020

SUBJECT: Expenditures Approval

RECOMMENDATIONS:


Approve expenditures from the Water Agency checking accounts for September 2020.

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 September 2020. Additional backup information is available upon request.

Recommended:  _____
Roland Sanford, General Manager

<input type="checkbox"/>	Approved as Recommended	<input type="checkbox"/>	Other (see below)	<input type="checkbox"/>	Continued on next page
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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 October 8, 2020 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 Sep 1, 2020 to Sep 30, 2020

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

Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
9/29/20	10199	2020WC 1020SC	Invoice: 20-06-3868 MBK ENGINEERS	266.00	266.00
9/23/20	35027V	2020SC 1020SC	Invoice: EXP REIM JULY 2020 KYLE JOHNSON	910.72	910.72
9/1/20	35081	2020SC 1020SC	Invoice: 46147 AARON'S AUTOMOTIVE	646.13	646.13
9/1/20	35082	2020SC 1020SC	Invoice: SD03547 BSK ASSOCIATES	374.00	374.00
9/1/20	35083	2020SC 1020SC	Invoice: 3787 CA CENTRAL VALLEY FLOOD CONTROL ASSOCIA	3,723.00	3,723.00
9/1/20	35084	2020SC 2020SC 1020SC	Invoice: ZVP1220 Invoice: ZVG7063 CDW GOVERNMENT, INC.	981.64 6,894.50	7,876.14
9/1/20	35085	2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 180039 Invoice: 180041 Invoice: 180034 Invoice: 180051 Invoice: 180055 CENTRAL VALLEY EQUIPMENT REPAIR	874.67 535.06 178.50 1,078.33 2,396.71	5,063.27
9/1/20	35086	2020SC 1020SC	Invoice: 99011 CHAMBERLAIN FARMS	1,693.86	1,693.86
9/1/20	35087	2020SC 2020SC 1020SC	Invoice: 5147156-0003 Invoice: 5147156-0006 CRESCO EQUIPMENT RENTAL	4,167.73 546.49	4,714.22
9/1/20	35088	2020SC 2020SC 2020SC 1020SC	Invoice: 21-024-V JUL 2020 Invoice: 20-026-T SEP 2020 Invoice: 20-024-O SEP 2020 DEPARTMENT OF WATER RESOURCES	88,102.00 520,766.00 897.00	609,765.00
9/1/20	35089	2020SC 1020SC	Invoice: 130670 GRANICUS	220.50	220.50
9/1/20	35090	2020SC 1020SC	Invoice: CL62613 INTERSTATE OIL COMPANY	319.28	319.28
9/1/20	35091	2020SC 1020SC	Invoice: 72867 INTEGRATED ENVIRONMENTAL RESTORATION	4,785.00	4,785.00
9/1/20	35092	2020SC 1020SC	Invoice: 0114454 DARYL SISCO	72.00	72.00
9/1/20	35093	2020SC 1020SC	Invoice: C61012 MECOM EQUIPMENT, LLC	193.68	193.68
9/1/20	35094	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC	Invoice: 303408 Invoice: 085460 Invoice: 086170 Invoice: 303849 Invoice: 303831 Invoice: 087501 Invoice: 087499 Invoice: 304521 Invoice: 304517 Invoice: 304585	28.95 20.93 7.82 72.82 68.76 50.26 193.85 11.79 61.10 41.06	

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		2020SC	Invoice: 304235	7.50	
		1020SC	PACIFIC ACE HARDWARE		564.84
9/1/20	35095	2020SC	Invoice: 7/10/20-8/10/20	1,834.78	
		1020SC	PACIFIC GAS & ELECTRIC CO,		1,834.78
9/1/20	35096	2020SC	Invoice: 133797	1,309.40	
		1020SC	R&S OVERHEAD DOORS & GATES		1,309.40
9/1/20	35097	2020SC	Invoice: 3052021	26.90	
		1020SC	RAY MORGAN COMPANY		26.90
9/1/20	35098	2020SC	Invoice: 180607	384.45	
		2020SC	Invoice: 180608	311.87	
		1020SC	SHELDON		696.32
9/1/20	35099	2020U	Invoice: JUL 2020	1,480.34	
		1020SC	SOLANO COUNTY FLEET MANAGEMENT		1,480.34
9/1/20	35100	2020SC	Invoice: 0017338	67,810.86	
		2020SC	Invoice: 0017339	138,010.68	
		1020SC	SOLANO IRRIGATION DISTRICT		205,821.54
9/1/20	35101	2020SC	Invoice: 1547	9,173.38	
		1020SC	SOLANO RESOURCE CONSERVATION DISTRICT		9,173.38
9/1/20	35102	2020SC	Invoice: 006492990046	2,024.69	
		1020SC	SEP2020 STANDARD INSURANCE COMPANY		2,024.69
9/1/20	35103	2020SC	Invoice: 2595201731	129.39	
		1020SC	STAPLES		129.39
9/1/20	35104	2020SC	Invoice: 3	11,625.00	
		1020SC	MICHAEL A. MELANSON		11,625.00
9/1/20	35105	2020SC	Invoice: 20961-44	14,461.60	
		2020SC	Invoice: 01-58712336	1,782.00	
		1020SC	THE REGENTS OF THE UNIVERSITY OF CA		16,243.60
9/1/20	35106	2020SC	Invoice: 115	1,550.00	
		1020SC	TRPA FISH BIOLOGISTS		1,550.00
9/1/20	35107	2020SC	Invoice: STEVE CHISHOLM	1,000.00	
		1020SC	STEVE CHISHOLM		1,000.00
9/1/20	35108	2020SC	Invoice: 20-60	4,000.00	
		1020SC	WEST ASSOCIATES ENVIRONMENTAL ENGINEERS		4,000.00
9/1/20	35109	2020SC	Invoice: 4730107001	735.25	
		1020SC	MRC GLOBAL		735.25
9/3/20	35110	2020SC	Invoice: 0651740	1,764.66	
		1020SC	ACWA JOINT POWERS INSURANCE AUTHORITY		1,764.66
9/8/20	35111	2020SC	Invoice: 494604-2	3,500.00	
		2020SC	Invoice: 499089-2	3,690.00	
		1020SC	ALPHA MEDIA FAR EAST BAY		7,190.00
9/8/20	35112	2020SC	Invoice: SEP 2020 EXEC	100.00	

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		2020SC	MTG Invoice: AUG 2020 LEG	100.00	
		1020SC	MTG DALE CROSSLEY		200.00
9/8/20	35113	2020SC	Invoice: 7497752	1,411.81	
		1020SC	TIAA BANK		1,411.81
9/8/20	35114	2020SC	Invoice: 128326	220.50	
		1020SC	GRANICUS		220.50
9/8/20	35115	2020N	Invoice: 7524242	89.62	
		2020N	Invoice: 6621129	95.27	
		2020N	Invoice: 0021594	128.67	
		2020N	Invoice: 0021595	332.26	
		2020N	Invoice: 2263983	302.63	
		1020SC	HOME DEPOT CREDIT SERVICE		948.45
9/8/20	35116	2020SC	Invoice: 3762989001	21,908.29	
		2020SC	Invoice: 4870086000	124.92	
		1020SC	MRC GLOBAL		22,033.21
9/8/20	35117	2020SC	Invoice: SEP 2020 EXEC	100.00	
		2020SC	MTG Invoice: AUG 2020 LEG	100.00	
		1020SC	MTG LANCE PORTER		200.00
9/8/20	35118	2020SC	Invoice: 58589491	14,861.00	
		1020SC	THE REGENTS OF THE UNIVERSITY OF CA		14,861.00
9/8/20	35119	2020SC	Invoice: 9861629327	3,216.74	
		1020SC	VERIZON WIRELESS		3,216.74
9/15/20	35120	2020SC	Invoice: 3395172	650.47	
		1020SC	AMERICAN TOWER CORPORATION		650.47
9/15/20	35121	2020SC	Invoice: EXP REIM AUG 2020	510.03	
		1020SC	LUCIA ARREOLA		510.03
9/15/20	35122	2020SC	Invoice: 229	6,772.50	
		1020SC	BOUCHER LAW		6,772.50
9/15/20	35123	2020SC	Invoice: EXP REIMB 8.01-8.17	606.85	
		1020SC	CHAD CABRISTANTE		606.85
9/15/20	35124	2020SC	Invoice: EXP REIM AUG 2020	432.40	
		1020SC	CHARNPREET SINGH		432.40
9/15/20	35125	2020SC	Invoice: 9099084588	289.91	
		1020SC	CINTAS CORPORATION		289.91
9/15/20	35126	2020SC	Invoice: 9188	5,474.06	
		2020SC	Invoice: 9175	2,890.00	
		1020SC	CP UNLIMITED		8,364.06
9/15/20	35127	2020SC	Invoice: 5043	44,680.31	
		1020SC	EYASCO, INC.		44,680.31
9/15/20	35128	2020SC	Invoice: 148194	4,928.04	
		1020SC	GHD, INC.		4,928.04
9/15/20	35129	2020SC	Invoice: COVID REIMB 7.20	52.33	
		2020SC	Invoice: COVID REIMB 8.20	53.94	
		1020SC	NICOLLE HERR		106.27

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Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
9/15/20	35130	2020SC 1020SC	Invoice: 2020-48 IN COMMUNICATIONS	1,225.00	1,225.00
9/15/20	35131	2020SC 1020SC	Invoice: IN-120089047 LA RANCHERA	3,795.00	3,795.00
9/15/20	35132	2020SC 1020SC	Invoice: EXP REIM AUG 2020 LONG NGUYEN	371.24	371.24
9/15/20	35133	2020SC 1020SC	Invoice: 173765 LSA ASSOCIATES, INC.	31,848.75	31,848.75
9/15/20	35134	2020SC 1020SC	Invoice: 24.04-1 MCCORD ENVIRONMENTAL, INC.	975.00	975.00
9/15/20	35135	2020SC 1020SC	Invoice: EXP REIM AUG 2020 COLLIN MCVEY	363.40	363.40
9/15/20	35136	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 883126 Invoice: 883320 Invoice: 883314 Invoice: 884433 BOB PISANI & SON	26.99 84.43 75.06 38.01	224.49
9/15/20	35137	2020SC 1020SC	Invoice: EXP REIM AUG 2020 CHELSEA QUINTERO	502.28	502.28
9/15/20	35138	2020SC 1020SC	Invoice: 46407682 RECOLOGY VACAVILLE SOLANO	261.36	261.36
9/15/20	35139	2020SC 1020SC	Invoice: WCP-157 RICHARD HEATH & ASSOCIATES, INC.	224.40	224.40
9/15/20	35140	2020SC 1020SC	Invoice: 08312011 SHANDAM CONSULTING	6,333.75	6,333.75
9/15/20	35141	2020SC 1020SC	Invoice: 202009-13815 TERRA REALTY ADVISORS, INC.	2,216.25	2,216.25
9/15/20	35142	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 300422636 Invoice: 200511115 Invoice: 300421543 Invoice: 200510820 Invoice: 300422105 Invoice: 200511123 Invoice: 300424587 TRACTOR SUPPLY CREDIT PLAN	161.05 82.63 188.89 103.50 997.73 16.10	1,361.01
9/15/20	35143	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 126 Invoice: 127 Invoice: 128 Invoice: 124 Invoice: 122 Invoice: 123 TRPA FISH BIOLOGISTS	1,525.00 1,625.00 2,208.86 2,000.00 125.00 225.00	7,708.86
9/15/20	35144	2020SC 1020SC	Invoice: 122739637 ULINE	2,577.69	2,577.69
9/15/20	35145	2020SC 1020SC	Invoice: 9862199297 VERIZON WIRELESS	913.51	913.51
9/15/20	35146	2020SC 1020SC	Invoice: 2-A VICTOR PAUL CLAASSEN	10,192.18	10,192.18

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9/15/20	35147	2020SC 1020SC	Invoice: 20-62 WEST ASSOCIATES ENVIRONMENTAL ENGINEERS	1,048.75	1,048.75
9/15/20	35148	2020SC 1020SC	Invoice: 1317 WILSON PUBLIC AFFAIRS	3,500.00	3,500.00
9/22/20	35149	2020SC 1020SC	Invoice: 227550 A & L WESTERN AGRICULTURAL LABS	107.00	107.00
9/22/20	35150	2020SC 1020SC	Invoice: 00155A ACWA JOINT POWERS INSURANCE AUTHORITY	1,764.66	1,764.66
9/22/20	35151	2020SC 1020SC	Invoice: 255 BOUCHER LAW	7,857.50	7,857.50
9/22/20	35152	2020SC 2020SC 2020SC 1020SC	Invoice: 000015325656 Invoice: 000015325701 Invoice: 000015327149 CALNET3	285.36 164.68 843.43	1,293.47
9/22/20	35153	2020N 1020SC	Invoice: US01U000489693 ERNST & YOUNG U.S. LLP	3,067.00	3,067.00
9/22/20	35154	2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 97307 Invoice: 97310 Invoice: 97309 Invoice: 97308 HERUM/ CRABTREE/ SUNTAG	73.44 6,607.56 24.48 107.10	6,812.58
9/22/20	35155	2020SC 1020SC	Invoice: PS050185442 HOLT OF CALIFORNIA	749.22	749.22
9/22/20	35156	2020SC 1020SC	Invoice: CL63947 INTERSTATE OIL COMPANY	345.19	345.19
9/22/20	35157	2020SC 1020SC	Invoice: 63100635701 LES SCHWAB TIRE CENTER	775.11	775.11
9/22/20	35158	2020SC 1020SC	Invoice: 36393 LUHDORFF & SCALMANINI	45,565.83	45,565.83
9/22/20	35159	2020SC 1020SC	Invoice: 556394 M&M SANITARY LLC	74.00	74.00
9/22/20	35160	2020SC 1020SC	Invoice: JULY & AUG SANDRA WILLINGMYRE	130.00	130.00
9/22/20	35161	2020SC 1020SC	Invoice: AUG 2020 PUTAH CREEK TROUT	450.00	450.00
9/22/20	35162	2020SC 1020SC	Invoice: 01122308 RECOLOGY HAY ROAD	200.20	200.20
9/22/20	35163	2020SC 1020SC	Invoice: 34-OCT-2020 REEB GOVERNMENT RELATIONS, LLC	9,500.00	9,500.00
9/22/20	35164	2020SC 1020SC	Invoice: 9406 SANTA ANA WATERSHED PROJECT AUTHORITY	1,549.38	1,549.38
9/22/20	35165	2020SC 1020SC	Invoice: 18122 SHELDON	678.61	678.61

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Sep 1, 2020 to Sep 30, 2020

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Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
9/22/20	35166	2020U 1020SC	Invoice: AUG 2020 SOLANO COUNTY FLEET MANAGEMENT	1,645.24	1,645.24
9/22/20	35167	2020SC 2020SC 1020SC	Invoice: 0018177 Invoice: 0018174 SOLANO IRRIGATION DISTRICT	121,307.18 55,742.85	177,050.03
9/22/20	35168	2020SC 1020SC	Invoice: 006492990046 OCT2020 STANDARD INSURANCE COMPANY	2,101.86	2,101.86
9/22/20	35169	2020N 2020N 2020N 2020N 2020N 2020N 2020N 2020N 2020N 2020N 2020N 2020N 2020N 1020SC	Invoice: 66886 Invoice: 66975 Invoice: 66946 Invoice: 66999 Invoice: 67050 Invoice: 67094 Invoice: 67223 Invoice: 67219 Invoice: 67211 Invoice: 67197 Invoice: 67210 Invoice: 67013 SUISUN VALLEY FRUIT GROWERS AS	21.45 21.45 43.50 41.96 21.54 25.31 175.73 80.50 57.29 212.55 44.32 102.96	848.56
9/22/20	35170	2020SC 1020SC	Invoice: 29 THINKING GREEN CONSULTANTS	2,432.64	2,432.64
9/22/20	35171	2020SC 1020SC	Invoice: WYATT DUNCAN WYATT DUNCAN	1,000.00	1,000.00
9/22/20	35172	2020SC 1020SC	Invoice: MILES PEREZ MILES PEREZ	825.00	825.00
9/22/20	35173	2020SC 1020SC	Invoice: ANNINA PUCCIO ANNINA PUCCIO	1,000.00	1,000.00
9/22/20	35174	2020SC 1020SC	Invoice: 25269 WINTERS BROADBAND	595.00	595.00
9/29/20	35175	2020SC 1020SC	Invoice: 12883 A-2-Z LANDSCAPING	17,060.94	17,060.94
9/29/20	35176	2020SC 1020SC	Invoice: 2927 AG INNOVATIONS	10,556.25	10,556.25
9/29/20	35177	2020SC 2020SC 1020SC	Invoice: EXP REIM AUG 2020 Invoice: EXP REIM SEPT 2020 JEFF BARICH	25.00 25.00	50.00
9/29/20	35178	2020SC 1020SC	Invoice: SD04039 BSK ASSOCIATES	1,040.00	1,040.00
9/29/20	35179	2020SC 1020SC	Invoice: 1527341 COUNTY OF YOLO	28.70	28.70
9/29/20	35180	2020SC 1020SC	Invoice: SEP 2020 BOD MTG DALE CROSSLEY	100.00	100.00
9/29/20	35181	2020SC 2020SC 1020SC	Invoice: EXP REIM JULY Invoice: EXP REIM AUG GUSTAVO CRUZ	67.54 75.00	142.54
9/29/20	35182	2020SC	Invoice: 20-026-T OCT 2020	520,766.00	

SOLANO COUNTY WATER AGENCY

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Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		2020SC	Invoice: 21-050-V AUG 2020	92,650.00	
		2020SC	Invoice: 20-024-O OCT 2020	897.00	
		1020SC	DEPARTMENT OF WATER RESOURCES		614,313.00
9/29/20	35183	2020SC	Invoice: EXP REIM AUG 2020	575.00	
		1020SC	EDUARDO DOMINGUEZ-GONZALEZ		575.00
9/29/20	35184	2020SC	Invoice: 93896391	2,700.00	
		1020SC	ENVIRONMENTAL SYSTEMS RESEARCH INSTITUT		2,700.00
9/29/20	35185	2020SC	Invoice: 131717	220.50	
		1020SC	GRANICUS		220.50
9/29/20	35186	2020SC	Invoice: CL65229	377.50	
		1020SC	INTERSTATE OIL COMPANY		377.50
9/29/20	35187	2020N	Invoice: 0920-3	320.00	
		2020N	Invoice: 0920-2	320.00	
		1020SC	JEFFREY J JANIK		640.00
9/29/20	35188	2020SC	Invoice: EXP REIM JULY 2020	910.72	
		2020SC	Invoice: EXP REIM AUG 2020	476.10	
		1020SC	KYLE JOHNSON		1,386.82
9/29/20	35189	2020SC	Invoice: JUNE COVID	75.00	
		2020SC	Invoice: JULY COVID	75.00	
		2020SC	Invoice: AUG COVID	75.00	
		1020SC	LEE, CHRISTOPHER R.		225.00
9/29/20	35190	2020SC	Invoice: C61178	69.66	
		1020SC	MECOM EQUIPMENT, LLC		69.66
9/29/20	35191	2020SC	Invoice: 7710229	73.56	
		1020SC	MOTION & FLOW CONTROL PRODUCTS, INC.		73.56
9/29/20	35192	2020SC	Invoice: 179702	5,589.20	
		1020SC	ONSET COMPUTER CORP.		5,589.20
9/29/20	35193	2020N	Invoice: EXP REIM AUG 2020	503.70	
		1020SC	PHILIP MAILLARD		503.70
9/29/20	35194	2020SC	Invoice: 3104224338	537.89	
		1020SC	PITNEY BOWES		537.89
9/29/20	35195	2020SC	Invoice: SEP 2020 BOD MTG	100.00	
		1020SC	LANCE PORTER		100.00
9/29/20	35196	2020SC	Invoice: 11341	422.50	
		2020SC	Invoice: 11348	100.00	
		1020SC	REGIONAL GOVERNMENT SERVICES AUTHORITY		522.50
9/29/20	35197	2020SC	Invoice: SEP 2020 BOD MTG	100.00	
		1020SC	RON ROWLETT		100.00
9/29/20	35198	2020SC	Invoice: SEP 2020 BOD MTG	100.00	
		1020SC	BOB SAMPAYAN		100.00
9/29/20	35199	2020SC	Invoice: AUGUST 2020	60.95	
		1020SC	COURTNEY SEALE		60.95

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Sep 1, 2020 to Sep 30, 2020

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Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
9/29/20	35200	2020SC 2020SC 1020SC	Invoice: 0018180 Invoice: 0018179 SOLANO IRRIGATION DISTRICT	237.48 7,630.68	7,868.16
9/29/20	35201	2020SC 1020SC	Invoice: 35605 SOUTHWEST ENVIRONMENTAL, INC.	40,792.25	40,792.25
9/29/20	35202	2020SC 1020SC	Invoice: SEP 2020 BOD MTG JAMES SPERING	100.00	100.00
9/29/20	35203	2020SC 2020SC 2020SC 2020SC 2020SC 2020SC 1020SC	Invoice: 2615028871 Invoice: 2618082251 Invoice: 2618098331 Invoice: 2631490621 Invoice: 2633540381 Invoice: 2634291601 STAPLES	344.59 340.56 227.04 312.34 499.52 65.45	1,789.50
9/29/20	35204	2020N 2020N 2020N 2020N 1020SC	Invoice: 162756 Invoice: 163189 Invoice: 165445 Invoice: 165446 STERLING MAY EQUIPMENT CO.	808.92 75.44 156.60 168.40	1,209.36
9/29/20	35205	2020SC 1020SC	Invoice: EXP REIM AUG 2020 DEEPA TEWARI	601.45	601.45
9/29/20	35206	2020SC 1020SC	Invoice: 58870190 THE REGENTS OF THE UNIVERSITY OF CA	6,094.10	6,094.10
9/29/20	35207	2020SC 1020SC	Invoice: 117 TRPA FISH BIOLOGISTS	6,151.70	6,151.70
9/29/20	35208	2020SC 1020SC	Invoice: FRED KOCH FREDERICK KOCH	1,000.00	1,000.00
9/29/20	35209	2020SC 1020SC	Invoice: JEFFREY LANE JEFFREY LANE	50.00	50.00
9/29/20	35210	2020SC 1020SC	Invoice: 20750-01 REGENTS OF THE UNIVERSITY OF CA	3,361.05	3,361.05
9/29/20	35211	2020SC 1020SC	Invoice: SEP 2020 BOD MTG JOHN VASQUEZ	100.00	100.00
9/29/20	35212	2020SC 1020SC	Invoice: EXP REIM 8.17.2020 BENJAMIN WESLOW	443.55	443.55
9/25/20	ASHLEY AUG 2020	2020SC 1020SC	Invoice: ASHLEY AUG 2020 UMPQUA BANK	406.45	406.45
9/25/20	BARICH AUG 2020	2020SC 1020SC	Invoice: BARICH AUG 2020 UMPQUA BANK	24.94	24.94
9/25/20	COLIAS AUG 2020	2020SC 1020SC	Invoice: COLIAS AUG 2020 UMPQUA BANK	328.41	328.41
9/25/20	CUETARA AUG 2020	2020SC 1020SC	Invoice: CUETARA AUG 2020 UMPQUA BANK	1,259.16	1,259.16
9/1/20	EFT	2020SC 1020SC	Invoice: SEPT 2020 HEALTH CALPERS	22,448.02	22,448.02
9/11/20	EFT	2020SC 2020SC	Invoice: PPE 09.05.2020 Invoice: PEPRA PPE	10,776.60 3,942.22	

SOLANO COUNTY WATER AGENCY

Cash Disbursements Journal

For the Period From Sep 1, 2020 to Sep 30, 2020

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Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
		2020SC 1020SC	09.05.2020 Invoice: SIP PPE 09.05.2020 CALPERS	5,839.27	20,558.09
9/11/20	EFT	2020SC 1020SC	Invoice: 2020090801 PAYCHEX	162.33	162.33
9/25/20	EFT	2020SC 1020SC	Invoice: WILLINGMYRE AUG 2020 UMPQUA BANK	133.21	133.21
9/21/20	EFT	2020SC 1020SC	Invoice: 67471692 WEX BANK	824.16	824.16
9/19/20	EFT	2020SC 2020SC 2020SC 1020SC	Invoice: PPE 09.19.2020 Invoice: PEPRA PPE 09.19.2020 Invoice: SIP PPE 09.19.2020 CALPERS	10,776.60 4,399.58 5,835.53	21,011.71
9/11/20	EFT	2020SC 1020SC	Invoice: 22228429 PAYCHEX	536.72	536.72
9/25/20	EFT	1020SC	PAYCHEX		
9/25/20	EFT	1020SC	PAYCHEX		
9/25/20	EFT	2020SC 1020SC	Invoice: 2020092301 PAYCHEX	177.77	177.77
9/5/20	EFT 09.05.2020	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 9.5.2020 EMPLOYER LIABILITIES PPE 9.5.2020 PAYROLL TAXES	19,952.34 2,705.00	22,657.34
9/19/20	EFT 09.19.2020	2024AC 6012AC 1020SC	EMPLOYEE LIABILITIES PPE 9.19.2020 EMPLOYER LIABILITIES PPE 9.19.2020 PAYROLL TAXES	20,413.38 2,715.33	23,128.71
9/25/20	HERR AUG 2020	2020SC 1020SC	Invoice: HERR AUG 2020 UMPQUA BANK	9.99	9.99
9/25/20	HYER AUG 2020	2020SC 1020SC	Invoice: HYER AUG 2020 UMPQUA BANK	817.05	817.05
9/25/20	JONES AUG 2020	2020SC 1020SC	Invoice: JONES AUG 2020 UMPQUA BANK	463.34	463.34
9/25/20	LEE AUG 2020	2020SC 1020SC	Invoice: LEE AUG 2020 UMPQUA BANK	52.99	52.99
9/25/20	NGUYEN AUG 2020	2020SC 1020SC	Invoice: NGUYEN AUG 2020 UMPQUA BANK	143.19	143.19
9/25/20	PASCUAL AUG 2020	2020SC 1020SC	Invoice: PASCUAL AUG 2020 UMPQUA BANK	931.28	931.28
9/25/20	RABIDOUX AUG 2020	2020SC 1020SC	Invoice: RABIDOUX AUG 2020 UMPQUA BANK	12.74	12.74
9/25/20	SANFORD AUG 2020	2020SC 1020SC	Invoice: SANFORD AUG 2020 UMPQUA BANK	822.93	822.93
9/25/20	SNYDER AUG 2020	2020SC 1020SC	Invoice: SNYDER AUG 2020 UMPQUA BANK	414.97	414.97

Cash Disbursements Journal

For the Period From Sep 1, 2020 to Sep 30, 2020

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Date	Check #	Account ID	Line Description	Debit Amount	Credit Amount
	Total			2,206,435.66	2,206,435.66

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: October 8, 2020

SUBJECT: Financial Report Approval

RECOMMENDATIONS:


Approve the quarterly Income Statement and Balance Sheet for the period ending September 2020.

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 September 30, 2020. Additional backup information is available upon request.

Recommended: 
Roland Sanford, General Manager

<input type="checkbox"/>	Approved as Recommended	<input type="checkbox"/>	Other (see below)	<input type="checkbox"/>	Continued on next page
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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 October 8, 2020 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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

		Current Year Actual	Current Year Budget	Variance Amount	Variance Percent	Last Year Actual	Change from Last Year	Percent Change
Revenues								
4001G	SECURED	\$ 0.00	\$ 88,247.00	(88,247.00)	(100.00)	\$ 0.00	0.00	0.00
4001N	SECURED	0.00	15,095,730.00	(15,095,730.00)	(100.00)	0.00	0.00	0.00
4001SC	SECURED	0.00	8,489,580.00	(8,489,580.00)	(100.00)	0.00	0.00	0.00
4001U	SECURED	0.00	1,159,620.00	(1,159,620.00)	(100.00)	0.00	0.00	0.00
4002G	UNSECURED	0.00	5,228.00	(5,228.00)	(100.00)	0.00	0.00	0.00
4002N	UNSECURED	0.00	361,480.00	(361,480.00)	(100.00)	0.00	0.00	0.00
4002SC	UNSECURED	0.00	307,000.00	(307,000.00)	(100.00)	0.00	0.00	0.00
4002U	UNSECURED	0.00	44,000.00	(44,000.00)	(100.00)	0.00	0.00	0.00
4004G	CURRENT SUPPLEMENTAL	0.00	2,389.00	(2,389.00)	(100.00)	0.00	0.00	0.00
4004N	CURRENT SUPPLEMENTAL	0.00	303,010.00	(303,010.00)	(100.00)	0.00	0.00	0.00
4004SC	CURRENT SUPPLEMENTAL	0.00	228,240.00	(228,240.00)	(100.00)	0.00	0.00	0.00
4004U	CURRENT SUPPLEMENTAL	0.00	33,910.00	(33,910.00)	(100.00)	0.00	0.00	0.00
4100N	WATER SALES	0.00	1,560,100.00	(1,560,100.00)	(100.00)	0.00	0.00	0.00
4100SC	WATER SALES	0.00	93,644.00	(93,644.00)	(100.00)	28,512.00	(28,512.00)	(100.00)
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	0.00	312,000.00	(312,000.00)	(100.00)	0.00	0.00	0.00
4120N	SWP ADJUSTMENTS	1,728.00	586,000.00	(584,272.00)	(99.71)	39,250.83	(37,522.83)	(95.60)
4150SC	EQUIPMENT DISTRIBUTION REIMBU	0.00	30,000.00	(30,000.00)	(100.00)	0.00	0.00	0.00
4402WC	INTEREST - MONEY MGMT	3.47	65.00	(61.53)	(94.66)	20.01	(16.54)	(82.66)
4403SC	INTEREST - CHECKING	25.47	100.00	(74.53)	(74.53)	54.75	(29.28)	(53.48)
4404G	INTEREST - LAIF - GREEN VALLEY	0.00	220.00	(220.00)	(100.00)	0.00	0.00	0.00
4404N	INTEREST - LAIF - SWP	0.00	21,700.00	(21,700.00)	(100.00)	0.00	0.00	0.00
4404SC	INTEREST - LAIF - SP	0.00	45,000.00	(45,000.00)	(100.00)	0.00	0.00	0.00
4404U	INTEREST - LAIF - ULATIS	0.00	7,300.00	(7,300.00)	(100.00)	0.00	0.00	0.00
4405G	INTEREST - CAMP - GREEN VALLEY	51.18	1,325.00	(1,273.82)	(96.14)	760.92	(709.74)	(93.27)
4405N	INTEREST - CAMP - SWP	5,062.26	131,100.00	(126,037.74)	(96.14)	75,267.65	(70,205.39)	(93.27)
4405SC	INTEREST - CAMP - SP	4,571.22	120,000.00	(115,428.78)	(96.19)	67,966.75	(63,395.53)	(93.27)
4405U	INTEREST - CAMP - ULATIS	1,702.02	44,000.00	(42,297.98)	(96.13)	25,306.27	(23,604.25)	(93.27)
4407G	INTEREST INVESTMENT	38.78	222.00	(183.22)	(82.53)	102.37	(63.59)	(62.12)
4407N	INTEREST - INVESTMENTS	3,835.93	22,000.00	(18,164.07)	(82.56)	10,126.12	(6,290.19)	(62.12)
4407SC	INTEREST - INVESTMENTS	3,463.85	21,000.00	(17,536.15)	(83.51)	9,143.89	(5,680.04)	(62.12)
4407U	INTEREST - INVESTMENTS	1,289.70	7,400.00	(6,110.30)	(82.57)	3,404.57	(2,114.87)	(62.12)
4507G	HOMEOWNER RELIEF	0.00	1,293.00	(1,293.00)	(100.00)	0.00	0.00	0.00
4507N	HOMEOWNER RELIEF	0.00	86,070.00	(86,070.00)	(100.00)	0.00	0.00	0.00
4507SC	HOMEOWNER RELIEF	0.00	69,810.00	(69,810.00)	(100.00)	0.00	0.00	0.00

		Current Year	Current Year	Variance	Variance	Last Year	Change from	Percent
		Actual	Budget	Amount	Percent	Actual	Last Year	Change
4507U	HOMEOWNER RELIEF	0.00	10,330.00	(10,330.00)	(100.00)	0.00	0.00	0.00
4600SC	REDEVELOPMENT - DIX/RV	0.00	74,100.00	(74,100.00)	(100.00)	0.00	0.00	0.00
4601SC	REDEVELOP - VACAVILLE	0.00	673,850.00	(673,850.00)	(100.00)	0.00	0.00	0.00
4601U	REDEVELOP - VACAVILLE	0.00	356,456.00	(356,456.00)	(100.00)	0.00	0.00	0.00
4602G	REDEVELOP - FAIRFIELD	0.00	84,248.00	(84,248.00)	(100.00)	0.00	0.00	0.00
4602SC	REDEVELOP - FAIRFIELD	0.00	975,360.00	(975,360.00)	(100.00)	0.00	0.00	0.00
4603SC	REDEVELOP - SUISUN CITY	0.00	276,360.00	(276,360.00)	(100.00)	0.00	0.00	0.00
4605SC	REDEVELOP - N. TEXAS	0.00	72,380.00	(72,380.00)	(100.00)	0.00	0.00	0.00
4702SC	BOATING AND WATERWAYS	0.00	180,000.00	(180,000.00)	(100.00)	0.00	0.00	0.00
4704SC	USFWS (FISH & WILDLIFE)	0.00	200,000.00	(200,000.00)	(100.00)	0.00	0.00	0.00
4900N	MISC INCOME	8,620.36	17,241.00	(8,620.64)	(50.00)	8,699.96	(79.60)	(0.91)
4900SC	MISCELLANEOUS INCOME	8,620.37	17,240.00	(8,619.63)	(50.00)	8,785.81	(165.44)	(1.88)
4922SC	GREENHOUSE REVENUES	250.00	3,000.00	(2,750.00)	(91.67)	180.00	70.00	38.89
4930U	O&M - OTHER AGENCIES	0.00	7,000.00	(7,000.00)	(100.00)	0.00	0.00	0.00
4940AC	OVERHEAD DISTRIBUTION REIMB	314,593.53	7,038,794.00	(6,724,200.47)	(95.53)	990,074.06	(675,480.53)	(68.23)
4960WC	WATERMASTER INCOME	122.30	4,600.00	(4,477.70)	(97.34)	75.52	46.78	61.94
4970AC	WATER CONSERVATION REIMBURS	0.00	170,000.00	(170,000.00)	(100.00)	0.00	0.00	0.00
4972AC	BAY AREA IRWMP GRANT	242,051.03	48,200.00	193,851.03	402.18	2,607.95	239,443.08	9,181.28
4978SC	LPCCC SERVICES	0.00	150,000.00	(150,000.00)	(100.00)	0.00	0.00	0.00
4994SC	LPCCC-COASTAL CONSERVANCY	0.00	9,000.00	(9,000.00)	(100.00)	0.00	0.00	0.00
Total Revenues		596,029.47	39,796,942.00	(39,200,912.53)	(98.50)	1,270,339.43	(674,309.96)	(53.08)
Cost of Sales								
Total Cost of Sales		0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gross Profit		596,029.47	39,796,942.00	(39,200,912.53)	(98.50)	1,270,339.43	(674,309.96)	(53.08)
Expenses								
5500AC	CAPITAL EXPENDITURES	1,806.25	0.00	1,806.25	0.00	212,201.39	(210,395.14)	(99.15)
5500N	CAPITAL EXPENDITURES	125,050.00	25,000.00	100,050.00	400.20	0.00	125,050.00	0.00
5500SC	CAPITAL EXPENDITURES	152,131.96	305,000.00	(152,868.04)	(50.12)	71,157.74	80,974.22	113.80
5500U	CAPITAL EXPENDITURES	0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
6010AC	GROSS SALARIES	608,195.70	3,310,900.00	(2,702,704.30)	(81.63)	608,851.39	(655.69)	(0.11)

		Current Year	Current Year	Variance	Variance	Last Year	Change from	Percent
		Actual	Budget	Amount	Percent	Actual	Last Year	Change
6011AC	PERS RETIREMENT	83,929.64	394,400.00	(310,470.36)	(78.72)	143,043.03	(59,113.39)	(41.33)
6012AC	PAYROLL TAXES	27,120.03	143,900.00	(116,779.97)	(81.15)	28,641.47	(1,521.44)	(5.31)
6013AC	EMPLOYEE BENEFITS	75,376.76	457,700.00	(382,323.24)	(83.53)	84,801.29	(9,424.53)	(11.11)
6016AC	OPEB/PENSION UNFUNDED EXPENS	0.00	224,400.00	(224,400.00)	(100.00)	0.00	0.00	0.00
6030AC	TELEPHONE	8,089.65	45,200.00	(37,110.35)	(82.10)	5,241.21	2,848.44	54.35
6040AC	OFFICE EXPENSE	7,240.97	36,425.00	(29,184.03)	(80.12)	5,638.10	1,602.87	28.43
6041AC	OFFICE EQUIPMENT	4,716.94	34,000.00	(29,283.06)	(86.13)	5,859.45	(1,142.51)	(19.50)
6042AC	SAFETY TRAINING & EQUIPMENT	1,490.57	10,500.00	(9,009.43)	(85.80)	2,413.03	(922.46)	(38.23)
6043AC	OFFICE HELP - TEMPORARY	0.00	10,000.00	(10,000.00)	(100.00)	0.00	0.00	0.00
6044AC	HR -EMPLOYEE SUPPORT	817.39	107,000.00	(106,182.61)	(99.24)	8,093.67	(7,276.28)	(89.90)
6045AC	LAUNDRY	4,769.77	0.00	4,769.77	0.00	0.00	4,769.77	0.00
6050AC	POSTAGE	537.89	7,500.00	(6,962.11)	(92.83)	2,131.74	(1,593.85)	(74.77)
6060AC	SID OFFICE EXPENSE	6,497.90	67,325.00	(60,827.10)	(90.35)	12,394.96	(5,897.06)	(47.58)
6090AC	MEMBERSHIPS	10,682.99	77,110.00	(66,427.01)	(86.15)	10,779.28	(96.29)	(0.89)
6090N	SWC DUES	83,303.00	116,300.00	(32,997.00)	(28.37)	93,375.00	(10,072.00)	(10.79)
6100G	PPTY TAX ADMIN FEE	0.00	1,200.00	(1,200.00)	(100.00)	0.00	0.00	0.00
6100SC	PPTY TAX ADMIN FEE	0.00	102,500.00	(102,500.00)	(100.00)	0.00	0.00	0.00
6100U	PPTY TAX ADMIN FEE	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
6105N	PETERSEN RANCH EXPENSES	0.00	16,250.00	(16,250.00)	(100.00)	0.00	0.00	0.00
6105SC	PETERSEN RANCH EXPENSES	12,495.30	16,250.00	(3,754.70)	(23.11)	6,050.93	6,444.37	106.50
6111AC	PS - PAYROLL SERVICES	4,917.06	24,800.00	(19,882.94)	(80.17)	2,618.34	2,298.72	87.79
6112AC	PS - COMPUTER SERVICES	98,951.56	697,350.00	(598,398.44)	(85.81)	165,349.03	(66,397.47)	(40.16)
6115AC	TALENT DECISION MONITORING	5,000.00	15,600.00	(10,600.00)	(67.95)	9,240.00	(4,240.00)	(45.89)
6128AC	GOVERNMENTAL ADVOCACY	45,000.00	205,000.00	(160,000.00)	(78.05)	10,500.00	34,500.00	328.57
6128N	GOVERNMENTAL ADVOCACY	0.00	70,000.00	(70,000.00)	(100.00)	0.00	0.00	0.00
6130SC	LPCCC - VEGETATION	2,946.59	14,629.00	(11,682.41)	(79.86)	12,403.94	(9,457.35)	(76.24)
6140AC	CONSULTANTS	47,893.60	318,900.00	(271,006.40)	(84.98)	73,878.36	(25,984.76)	(35.17)
6140N	CONSULTANTS	7,774.10	216,000.00	(208,225.90)	(96.40)	7,658.10	116.00	1.51
6140SC	CONSULTANTS	26,022.71	671,800.00	(645,777.29)	(96.13)	25,600.00	422.71	1.65
6140U	CONSULTANTS	15,224.20	220,000.00	(204,775.80)	(93.08)	10,625.00	4,599.20	43.29
6144AC	HYDROLOGY STATIONS	3,275.09	39,000.00	(35,724.91)	(91.60)	25,389.16	(22,114.07)	(87.10)
6144N	HYDROLOGY STATIONS	203.89	27,000.00	(26,796.11)	(99.24)	3,934.65	(3,730.76)	(94.82)
6144SC	HYDROLOGY STATIONS	5,876.49	85,000.00	(79,123.51)	(93.09)	41,875.41	(35,998.92)	(85.97)
6144U	HYDROLOGY STATIONS	0.00	15,000.00	(15,000.00)	(100.00)	143.51	(143.51)	(100.00)
6148SC	LPCCC - WILDLIFE	562.26	80,460.00	(79,897.74)	(99.30)	0.00	562.26	0.00
6149SC	LPCCC - FISHERIES	0.00	80,460.00	(80,460.00)	(100.00)	1,509.44	(1,509.44)	(100.00)
6161N	WATERSHED PROGRAM	1,327.30	198,100.00	(196,772.70)	(99.33)	3,558.21	(2,230.91)	(62.70)

		Current Year	Current Year	Variance	Variance	Last Year	Change from	Percent
		Actual	Budget	Amount	Percent	Actual	Last Year	Change
6161SC	SOLANO PROJECT WQ MONITORIN	2,099.42	30,000.00	(27,900.58)	(93.00)	4,135.40	(2,035.98)	(49.23)
6164SC	SOLANO PROJECT INVASIVES	0.00	219,152.00	(219,152.00)	(100.00)	0.00	0.00	0.00
6165N	Yolo Bypass/Cache Slough Progr	1,625.00	995,000.00	(993,375.00)	(99.84)	23,353.43	(21,728.43)	(93.04)
6166SC	UPPER PUTAH CREEK MGMT	35,061.31	239,000.00	(203,938.69)	(85.33)	11,892.45	23,168.86	194.82
6170SC	INTER-DAM REACH MANAGEMENT	2,643.86	120,000.00	(117,356.14)	(97.80)	0.00	2,643.86	0.00
6170WC	MBK	2,963.00	55,000.00	(52,037.00)	(94.61)	7,501.25	(4,538.25)	(60.50)
6179SC	LPCCC SERVICES	0.00	25,000.00	(25,000.00)	(100.00)	13,287.15	(13,287.15)	(100.00)
6181SC	LPCCC EQUIPMENT	9,046.43	20,000.00	(10,953.57)	(54.77)	16,059.75	(7,013.32)	(43.67)
6183SC	LPCCC NURSERY	3,978.45	50,000.00	(46,021.55)	(92.04)	9,874.30	(5,895.85)	(59.71)
6193SC	LPCCC-PROP 1	0.00	0.00	0.00	0.00	36,968.18	(36,968.18)	(100.00)
6195SC	LPCCC-CA RIVER PRKWY V	522.29	0.00	522.29	0.00	0.00	522.29	0.00
6196SC	LPCCC-COASTAL CONSERVANCY	0.00	9,000.00	(9,000.00)	(100.00)	0.00	0.00	0.00
6197SC	LPCCC-IRWM	0.00	0.00	0.00	0.00	108,699.05	(108,699.05)	(100.00)
6199SC	LPCCC MISC. SUPPLIES	1,356.04	25,000.00	(23,643.96)	(94.58)	7,068.50	(5,712.46)	(80.82)
6210AC	BOARD EXPENSES	3,600.00	35,000.00	(31,400.00)	(89.71)	5,880.63	(2,280.63)	(38.78)
6230SC	FIELD SUPPLIES	18,045.14	50,000.00	(31,954.86)	(63.91)	10,588.24	7,456.90	70.43
6230WC	MISC WATERMASTER EXP	20.00	300.00	(280.00)	(93.33)	130.00	(110.00)	(84.62)
6250SC	HCP PLANNING	31,848.75	421,000.00	(389,151.25)	(92.43)	57,124.17	(25,275.42)	(44.25)
6300AC	CAR MAINTENANCE	2,434.74	28,800.00	(26,365.26)	(91.55)	3,768.96	(1,334.22)	(35.40)
6310AC	FUEL	4,099.22	62,000.00	(57,900.78)	(93.39)	10,021.27	(5,922.05)	(59.09)
6320U	GARAGE SERVICES	3,125.58	15,000.00	(11,874.42)	(79.16)	2,930.26	195.32	6.67
6330AC	TRAVEL	1,384.62	10,000.00	(8,615.38)	(86.15)	3,319.65	(1,935.03)	(58.29)
6340AC	EMPLOYEE REIMBURSEMENTS	0.00	1,000.00	(1,000.00)	(100.00)	71.26	(71.26)	(100.00)
6350AC	INSURANCE	10,674.32	66,000.00	(55,325.68)	(83.83)	16,398.73	(5,724.41)	(34.91)
6360AC	EDUCATION & TRAINING	586.00	65,000.00	(64,414.00)	(99.10)	8,087.58	(7,501.58)	(92.75)
6410AC	COMP SOFTWARE/EQUIP	13,368.10	113,600.00	(100,231.90)	(88.23)	4,102.59	9,265.51	225.85
6550AC	SCWA Water Mgt Planning	0.00	300,000.00	(300,000.00)	(100.00)	0.00	0.00	0.00
6551AC	WATER CONSERVATION	206,585.53	646,000.00	(439,414.47)	(68.02)	257,707.35	(51,121.82)	(19.84)
6551N	WATER CONSERVATION	0.00	456,000.00	(456,000.00)	(100.00)	0.00	0.00	0.00
6554AC	MISC. WATER CONSERVATION GRA	4,825.00	0.00	4,825.00	0.00	23,290.00	(18,465.00)	(79.28)
6600AC	MELLON LEVEE	6,326.49	20,000.00	(13,673.51)	(68.37)	0.00	6,326.49	0.00
6600SC	PSC MAINTENANCE	63,012.62	970,000.00	(906,987.38)	(93.50)	160,472.37	(97,459.75)	(60.73)
6610AC	FLOOD CONTROL	0.00	981,500.00	(981,500.00)	(100.00)	24,818.26	(24,818.26)	(100.00)
6611AC	GROUND WATER MANAGEMENT	71,412.11	603,949.00	(532,536.89)	(88.18)	71,041.53	370.58	0.52
6612AC	PUBLIC EDUCATION	0.00	297,355.00	(297,355.00)	(100.00)	0.00	0.00	0.00
6614AC	SOLANO SUB-BASIN GSA	0.00	20,000.00	(20,000.00)	(100.00)	142.80	(142.80)	(100.00)
6620G	LABOR	0.00	50,000.00	(50,000.00)	(100.00)	0.00	0.00	0.00

		Current Year	Current Year	Variance	Variance	Last Year	Change from	Percent
		Actual	Budget	Amount	Percent	Actual	Last Year	Change
6620SC	LOWER PUTAH CREEK(NON-ACCOF	14,063.49	497,163.00	(483,099.51)	(97.17)	181,329.60	(167,266.11)	(92.24)
6620U	LABOR	0.00	300,000.00	(300,000.00)	(100.00)	0.00	0.00	0.00
6630SC	SP ADMINISTRATION	212,819.07	1,225,000.00	(1,012,180.93)	(82.63)	282,218.61	(69,399.54)	(24.59)
6640SC	PSC OPERATIONS	45,007.87	360,000.00	(314,992.13)	(87.50)	64,745.43	(19,737.56)	(30.48)
6645SC	DAM MAINTENANCE	4,634.04	64,000.00	(59,365.96)	(92.76)	1,425.78	3,208.26	225.02
6646SC	DAM OPERATIONS	47,766.13	285,000.00	(237,233.87)	(83.24)	61,136.91	(13,370.78)	(21.87)
6650G	WEED CONTROL	0.00	6,000.00	(6,000.00)	(100.00)	0.00	0.00	0.00
6650U	SP PEST MANAGEMENT	0.00	60,000.00	(60,000.00)	(100.00)	33,908.80	(33,908.80)	(100.00)
6660G	EQUIP - TRANS DEPT	0.00	8,000.00	(8,000.00)	(100.00)	0.00	0.00	0.00
6660U	EQUIP - TRANS DEPT	0.00	80,000.00	(80,000.00)	(100.00)	6,600.00	(6,600.00)	(100.00)
6670G	SUPPLIES	0.00	2,000.00	(2,000.00)	(100.00)	0.00	0.00	0.00
6670U	SUPPLIES	74.48	83,500.00	(83,425.52)	(99.91)	1,144.36	(1,069.88)	(93.49)
6675G	CONTRACT WORK	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
6675U	CONTRACT WORK	0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
6680G	TRANS DEPT OVERHEAD	0.00	15,000.00	(15,000.00)	(100.00)	0.00	0.00	0.00
6680U	TRANS DEPT OVERHEAD	0.00	145,000.00	(145,000.00)	(100.00)	0.00	0.00	0.00
6690SC	REHAB & BETTERMENT	19,686.28	915,000.00	(895,313.72)	(97.85)	40,786.82	(21,100.54)	(51.73)
6690U	REHAB & BETTERMENT	0.00	270,000.00	(270,000.00)	(100.00)	0.00	0.00	0.00
6700N	WATER PURCHASES	4,648,360.00	11,963,742.00	(7,315,382.00)	(61.15)	4,760,936.00	(112,576.00)	(2.36)
6700SC	USBR ADMINISTRATION	0.00	79,000.00	(79,000.00)	(100.00)	0.00	0.00	0.00
6701SC	WATER RIGHTS FEE	0.00	95,000.00	(95,000.00)	(100.00)	0.00	0.00	0.00
6710N	NAPA MAKE WHOLE	0.00	312,000.00	(312,000.00)	(100.00)	0.00	0.00	0.00
6950AC	LABOR COSTS	21,764.82	462,454.00	(440,689.18)	(95.29)	77,113.38	(55,348.56)	(71.78)
6950G	LABOR COSTS	0.00	29,538.00	(29,538.00)	(100.00)	8,336.34	(8,336.34)	(100.00)
6950N	LABOR COSTS	24,131.10	656,846.00	(632,714.90)	(96.33)	66,353.61	(42,222.51)	(63.63)
6950SC	LABOR COSTS	112,572.71	1,712,542.00	(1,599,969.29)	(93.43)	298,153.71	(185,581.00)	(62.24)
6950U	LABOR COSTS	3,146.74	136,297.00	(133,150.26)	(97.69)	12,564.88	(9,418.14)	(74.96)
6951AC	INTRA-FUND TRANSFER	(48,227.91)	(1,156,134.00)	1,107,906.09	(95.83)	(163,291.93)	115,064.02	(70.47)
6952AC	OVERHEAD EXPENSES	26,463.09	693,681.00	(667,217.91)	(96.19)	86,178.54	(59,715.45)	(69.29)
6952G	OVERHEAD EXPENSES	0.00	44,306.00	(44,306.00)	(100.00)	9,526.87	(9,526.87)	(100.00)
6952N	OVERHEAD EXPENSES	29,340.17	985,268.00	(955,927.83)	(97.02)	74,342.25	(45,002.08)	(60.53)
6952SC	OVERHEAD EXPENSES	139,454.14	2,632,286.00	(2,492,831.86)	(94.70)	423,324.73	(283,870.59)	(67.06)
6952U	OVERHEAD EXPENSES	3,826.01	204,446.00	(200,619.99)	(98.13)	14,052.23	(10,226.22)	(72.77)
6990AC	CONTINGENCY	0.00	80,000.00	(80,000.00)	(100.00)	0.00	0.00	0.00
6990G	CONTINGENCY	0.00	5,000.00	(5,000.00)	(100.00)	0.00	0.00	0.00
6990N	CONTINGENCY	0.00	40,000.00	(40,000.00)	(100.00)	0.00	0.00	0.00
6990SC	CONTINGENCY	7,200.00	90,000.00	(82,800.00)	(92.00)	0.00	7,200.00	0.00

		Current Year Actual	Current Year Budget	Variance Amount	Variance Percent	Last Year Actual	Change from Last Year	Percent Change
6990U	CONTINGENCY	<u>0.00</u>	<u>50,000.00</u>	<u>(50,000.00)</u>	<u>(100.00)</u>	<u>0.00</u>	<u>0.00</u>	<u>0.00</u>
	Total Expenses	<u>7,291,953.81</u>	<u>39,029,550.00</u>	<u>(31,737,596.19)</u>	<u>(81.32)</u>	<u>8,934,578.86</u>	<u>(1,642,625.05)</u>	<u>(18.39)</u>
	Net Income	<u>(\$ 6,695,924.34)</u>	<u>\$ 767,392.00</u>	<u>(7,463,316.34)</u>	<u>(972.56)</u>	<u>(\$ 7,664,239.43)</u>	<u>968,315.09</u>	<u>(12.63)</u>

ASSETS

Current Assets

1000SC	PERSHING	(\$	0.43)
1010WC	MONEY MGMT - WATERMASTER	\$	31,559.91
1020G	CHECKING - BANK OF THE WEST	\$	529,023.32
1030G	LAIF -	\$	18,120,343.72
1040G	CAMP -	\$	23,071,530.16
1050G	CERTIFICATES OF DEPOSIT -	\$	4,838,482.38
1060SC	PETTY CASH	\$	137.74
1210SC	ACCOUNTS RECEIVABLE - SP/ADMIN	\$	196,884.95
1225AC	RETENTION RECEIVABLE	\$	189.99
1400AC	PREPAID	\$	44,444.60
1415AC	INVENTORY-WATER CONSERVATION S	\$	23,084.21

Total Current Assets 46,855,680.55

Total Assets \$ 46,855,680.55

Admin/SP/WC	SWP(N)	U	GV
(\$ 0.43)			
31,559.91			
(379,210.91)	706,808.40	186,882.53	14,543.30
13,245,317.16	3,663,711.00	1,168,909.64	42,405.92
1,385,680.06	15,800,540.78	5,679,275.42	206,033.90
1475427.88	2527424.12	806376.49	29253.89
137.74			
196,884.95			
189.99			
44,444.60			
23,084.21			

\$ 16,023,515.16 \$ 22,698,484.30 \$ 7,841,444.08 \$ 292,237.01

\$ 16,023,515.16 \$ 22,698,484.30 \$ 7,841,444.08 \$ 292,237.01

LIABILITIES AND CAPITAL

Current Liabilities

2010N	UNEARNED INCOME-SWP	449,861.00
2020G	ACCOUNTS PAYABLE-G.V.	109,037.54
2023AC	EMPLOYEE BENEFITS PAYABLE	11,826.67
2025SC	SALES TAX PAYABLE	2,853.77
2110SC	WESTSIDE IRWMP PREFUNDED ADMIN	70,888.07

Total Current Liabilities \$644,467.05

Admin/SP/WC	SWP(N)	U	GV
19,361.00	\$ 430,500.00		
21,084.42	63,666.68	24,286.44	
11,826.67			
2,853.77			
70,888.07			

\$126,013.93 \$494,166.68 \$24,286.44 \$0.00

Capital

3150SC	OTHER FLD CTRL CAPITAL PROJ.	1,260,893.10
3155SC	OTHER CAPITAL PROJ/EMERG RESER	2,000,000.00
3200G	GREEN VALLEY OPERTING RESERVE	88,022.00

1,260,893.10

2,000,000.00

88,022.00

3200N	SWP OPERATING RESERVE	8,038,753.00		8,038,753.00			
3200SC	DESIGNATED REHAB & BETTERMENT	2,000,000.00	2,000,000.00				
3200U	ULATIS OPERATING RESERVE	837,122.00			837,122.00		
3250G	GV CAPITAL RESERVE	152,597.98					152,597.98
3250N	DESIGNATED SWP FACILITIES RESE	12,753,491.21		12,753,491.21			
3250SC	SP FUTURE REPLACEMENT CAPITAL	5,054,493.31	5,054,493.31				
3250U	ULATIS FCP CAPITAL RESERVE	6,354,047.52			6,354,047.52		
3350SC	DESIGNATED OPERATING RESERVES	10,550,879.00	10,550,879.00				
39005	Retained Earnings-PY Net Income	3,816,838.72	162,317.96	3,165,330.39	429,089.38	60,100.99	
	Net Income CY	(6,695,924.34)	(1,771,741.00)	(4,901,868.01)	(22,405.29)	89.96	
	Total Capital	<u>\$46,211,213.50</u>	<u>\$19,256,842.37</u>	<u>\$19,055,706.59</u>	<u>\$7,597,853.61</u>	<u>\$300,810.93</u>	
	Total Liabilities & Capital	<u><u>\$46,855,680.55</u></u>	<u><u>\$19,382,856.30</u></u>	<u><u>\$19,549,873.27</u></u>	<u><u>\$7,622,140.05</u></u>	<u><u>\$300,810.93</u></u>	

RESOLUTION NUMBER 2020-06

A RESOLUTION OF THE SOLANO COUNTY WATER AGENCY ADOPTING THE
FISCAL YEAR 2020-21 APPROPRIATIONS LIMIT

WHEREAS, on November 6, 1979 the people of California added Article XIII-B to the State Constitution, placing various limitations on State and local government appropriations, i.e. an Appropriations Limit; and

WHEREAS, on June 5, 1990 the people of California amended Article XIII-B of the State Constitution and California Government Code sections 7900 *et seq.* to include additional guidance regarding the calculation of Appropriations Limits, and to require local governments to adopt a resolution setting their respective annual Appropriations Limit; and

WHEREAS, the Appropriations Limit is required to be established each fiscal year and may be amended in subsequent years to make corrections; and

WHEREAS, the Agency has complied with the provisions of Article XIII-B of the State Constitution and California Government Code sections 7900 *et seq.* in determining the Appropriations Limit for Fiscal Year 2020-21.

NOW, THEREFORE, the Board of the Solano County Water Agency does hereby resolve as follows:

In accordance with Article XIII-B of the California Constitution and Government Code sections 7900 *et seq.*, the annual adjustment growth factors to calculate the Fiscal Year 2020-21 Appropriations Limit of \$16,662,604 shall be the change in the statewide per capita personal income percentage and State Department of Finance estimated change in County population as shown in Exhibit A and attached hereto.

I, ROLAND SANFORD, General Manager and Secretary to the Board of Directors of the Solano County Water Agency, do hereby certify that the foregoing resolution was regularly introduced, passed and adopted by said Board of Directors, at a regular meeting thereof held on the 8th day of October 2020, by the following vote:

Ayes:

Noes:

Abstain:

Absent:

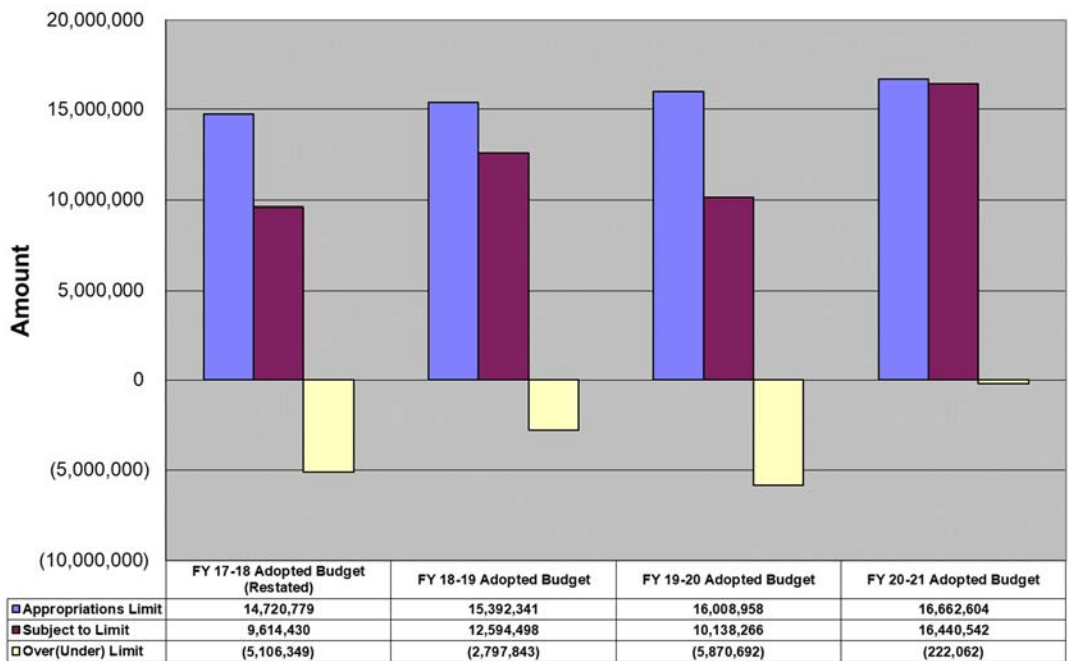
Roland Sanford
General Manager & Secretary to the
Solano County Water Agency

Attachment: **Exhibit A** – Appropriations Limit Calculation Summary for FY 2020-21

Solano County Water Agency
Appropriations Limit Calculation Summary
Fiscal Year 2020-21 Adopted Budget

Prior Year Appropriations Limit	\$ 16,008,958
Allowed Compounded Percentage Increase from Prior Year ^[1]	
Statewide Per Capita Personal Income	3.730%
County Population Growth From State Dept of Finance	0.340%
Compounded Percentage as an Adjustment Factor	4.083%
Growth Factor Adjustment Amount to Appropriations Limit	\$ 653,646
Current Year Appropriations Limit From Growth Factors	\$ 16,662,604
Annual Other Adjustments to Limit ^[1]	-
Current Year Appropriations Limit	\$ 16,662,604
Current Year Adopted Budget Appropriations From Proceeds of Taxes ^[2]	
Proceeds of Taxes From Adopted Budget ^[3]	28,988,738
Less Allowable Exclusion of Certain Appropriations ^[3]	(12,548,196)
Current Year Appropriations Subject to the Appropriations Limit	\$ 16,440,542
Current Year Appropriations Over or (Under) the Appropriations Limit	\$ (222,062)
Percentage Over or (Under) the Limit	-1%

Solano County Water Agency
Appropriations Limit Summary



(1) Article XIII B allows annual adjustments to the Appropriations Limit after calculation of annual growth factors.			
(2) Proceeds of Taxes are certain revenues as defined by State Law and by the League of California Cities Article XIII B Appropriations Limit Uniform Guidelines.			
(3) Summary of worksheets for above calculations of Appropriations Limit and Appropriations Subject to Limit.			
Summary of Appropriations From Proceeds of Taxes	From Non Proceeds of Taxes	From Proceeds of Taxes	Total Appropriations
Total Proceeds and Non Proceeds of Taxes	10,808,204	28,988,738	39,796,942
Summary of Exclusions	From Proceeds of Taxes		
Court Order Costs	359,800	Putah Creek and Lake Berryessa	
Federal Mandates	226,672	FICA/Medicare/Unemployment	
Qualified Capital Outlay Over \$100,000 and 10+ year life	-	Capital Improvements	
Qualified Debt Service for Capital Improvements	11,961,724	State Water Project	
Total Exclusions to Appropriations Subject to Limit	12,548,196		

Staff is recommending the Water Agency’s Conflict of Interest Code be revised to (1) designate an additional position – the Assistant General Manager position recently approved by the Board – as subject to Water Agency Conflict of Interest Code, and (2) add a new economic interest category – “Category 6” - to the list of private economic interests that must be disclosed by designated employees. Category 6 reads as follows:

“Category 6: Investments and business positions in business entities and sources of income (including receipt of gifts, loans and travel payments) if the business entity or source is of the type to receive grants or other funding from or through the Agency.”

The FPPC has determined that Category 6 must be added to the Water Agency’s Conflict of Interest Code because the Water Agency issues grants to private entities – the Water Agency’s Small Flood Control Grant Program – that are overseen by Water Agency personnel.

The proposed text revisions are shown in the attached “red-line” copy of the Water Agency’s Conflict of Interest Code.

CONFLICT OF INTEREST CODE FOR THE
SOLANO COUNTY WATER AGENCY

The Political Reform Act, Government Code Section 81000, et seq., requires state and local government agencies to adopt and promulgate conflict of interest codes. The Fair Political Practices Commission has adopted a regulation, 2 California Code of Regulations, Section 18730, which contains the terms of a standard conflict of interest code. It can be incorporated by reference and may be amended by the Fair Political Practices Commission after public notice and hearings, to conform to amendments in the Political Reform Act. Therefore, the terms of 2 California Code of Regulations, Section 18730 and any amendments to it duly adopted by the Fair Political Practices Commission are hereby incorporated by reference and along with the attached Exhibit in which members and employees are designated and disclosure categories are set forth, constitute the conflict of interest code of the **Solano County Water Agency (Agency)**.

Designated employees shall file statements of economic interests with the **Agency** who will make the statements available for public inspection and reproduction. (Government Code Section 81008). All Statements will be retained by the **Agency**.

SOLANO COUNTY WATER AGENCY

APPENDIX A

<u>Designated Positions</u>	<u>Disclosure Categories</u>
General Manager	1, 2, 3, 4, 5, <u>6</u>
<u>Assistant General Manager</u>	<u>1, 2, 3, 4, 5, 6</u>
Principal Water Resources Engineer	1, 2, 3, 4, 5, <u>6</u>
Supervising Water Resources Engineer	1, 2, 3, 4, 5
Administrative Service Manager	1, 2, 3, 4, 5
Principal Water Resources Specialist	1, 2, 3, 4, 5
Supervising Water Resources Specialist	1, 2, 3, 4, 5
Streamkeeper	1, 2, 3, 4, 5
Consultant/New Position*	1, 2, 3, 4, 5

*Consultants/New Positions shall be included in the list of designated positions and shall disclose pursuant to the broadest disclosure category in the code subject to the following limitation:

The General Manager may determine in writing that a particular consultant or new position, although a "designated position," is hired to perform a range of duties that is limited in scope and thus is not required to fully comply with the disclosure requirements in this section. Such written determination shall include a description of the consultant's or new position's duties and, based upon that description, a statement of the extent of disclosure requirements. The General Manager's determination is a public record and shall be retained for public inspection in the same manner and location as this conflict of interest code.

Officials Who Manage Public Investments:

It has been determined that the positions listed below manage public investments and will file a statement of economic interest pursuant to Government Code Section 87200.

Members of the Board of Directors and Alternates

An individual holding one of the above listed positions may contact the Fair Political Practices Commission for assistance or written advice regarding their filing obligations if they believe that their positions has been categorized incorrectly. The Fair Political Practices Commission makes the final determination whether a position is covered by section 87200.

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APPENDIX B

Disclosure Categories

Category 1: Investments and business positions in any business entity and sources of income (including gifts, loans, and travel payments), of the type that provide services, supplies, flood control, water monitoring, machinery, and field and office equipment to the Agency. Such sources also include contractors that provide environmental, engineering, water supply and flood studies, as well as water conservation and education programs.

Category 2: Investments and business positions in any business entity and sources of income (including gifts, loans, and travel payments) from entities that are private water companies or are entities or persons of the type to engage in farming or real estate development and related services and sources of income from non-profit associations engaged in water and riparian issues.

Category 3: Interest in real property located within the jurisdiction or within two miles of the boundaries of the jurisdiction or within two miles of any land owned or used by the Agency.

Category 4: Investments and business positions in business entities, and sources of income (including gifts, loans, and travel payments), of the type subject to the regulations or supervision of the Agency, including the issuance or granting of franchises, building permits, or other use or business or water allocation permits, or any other land use control or regulation.

Category 5: Investments and business positions in business entities, and sources of income (including gifts, loans, and travel payments) that have filed a claim, or have a claim pending, against the Agency during the previous two years.

Category 6: Investments and business positions in business entities and sources of income (including receipt of gifts, loans and travel payments) if the business entity or source is of the type to receive grants or other funding from or through the Agency.

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SOLANO COUNTY WATER AGENCY

AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

AMENDMENT NUMBER: 1

CONTRACTOR: Luhdorff & Scalmanini Consulting Engineers

EFFECTIVE DATE: October 8, 2020

PROJECT: Ongoing Groundwater Investigations

DESCRIPTION OF AMENDMENT:

1. Increase agreement amount by \$104,225 from \$259,814 to \$364,039.
2. Additional scope of work items, as described in letter from Luhdorff & Scalmanini Consulting Engineers to Mr. Chris Lee, dated September 17, 2020 (copy attached).

SIGNATURES:

Solano County Water Agency,
a Public Agency

Luhdorff & Scalmanini
Consulting Engineers

By: _____
Roland Sanford,
General Manager

By: _____
Vicki Kretsinger Grabert
President

FOR SCWA USE ONLY

Contract Period: June 11, 2020 to June 30, 2021
File Number: AG-L-5
Account Manager: C. Lee
G/L Account#: 6611 AC/1704
Contract Type: Professional Services

September 17, 2020
File No. 20-1-045

Mr. Chris Lee
Solano County Water Agency
810 Vaca Valley Parkway, Suite 203
Vacaville, CA 95688

**SUBJECT: Amendment to 2020-2021 Groundwater Services – Groundwater Conditions
Annual Update and Groundwater Management Assistance**

Dear Mr. Lee:

Luhdorff & Scalmanini, Consulting Engineers (LSCE) is providing this letter describing anticipated costs for the requested expanded scope of work for monitoring well construction described in Task 3 of the existing service agreement for fiscal year 2020-2021 (SCWA File Number: AG-L-4).

The expanded scope of work for Task 3 will support a continuing collaboration among SCWA, Dr. Mark Grismer of the University of California, and LSCE related to the assessment of seepage at key locations along Putah Creek.

The previously approved monitoring well construction activities, including 16 new monitoring wells at three sites, were completed earlier this month. Through continued landowner outreach efforts by Solano County Water Agency (SCWA), it appears likely that monitoring well installation could occur this fiscal year at two additional sites. The expanded scope of work (see Tasks 3.4 and 3.5) is consistent with the previously approved scope of work for Task 3 and would provide for the construction of up to 12 additional monitoring wells at two additional sites along lower Putah Creek.

Task 3: Groundwater Monitoring Facilities to Track Surface Water-Groundwater Interrelationships

Between 1949 and 2002, seepage rate investigations performed along Lower Putah Creek by SCWA, DWR, U.S. Geological Survey (USGS), and U.S. Bureau of Reclamation (USBR) all found evidence of spatially and temporally variable streamflow accretion and depletion. It has been documented recently that extensive streamflow measurements between 1990 and 2002 show the existence of a perennial groundwater ridge, in direct hydraulic communication with the stream channel, extending from the Putah Diversion Dam to Stevenson Bridge under all but severe drought conditions. In addition to seepage rate investigations, historical groundwater level monitoring along Lower Putah Creek by the USBR and DWR provided data on water table conditions near the creek, although the temporal and spatial availability of data have been limited.

Task 3.4 Construction of Seepage Monitoring Wells (Outside Contractor)

LSCE will retain a licensed C-57 well drilling contractor to drill and construct up to 12 seepage monitoring wells at two monitoring transect sites. The proposed cost (**Table 1A**) is an estimate based on costs recently incurred for related monitoring well construction conducted as part of the existing agreement. The estimate will be updated, as needed, once well locations, monitoring well specifications, and drilling contractor are finalized. The estimated cost includes mobilization, test hole drilling, cost of materials, well development, well completion, and site cleanup.

SCWA has already been engaged in communications with property owners about the monitoring sites of interest. This task assumes that SCWA has already or will receive permission to drill and construct monitoring wells at two sites.

Task 3.5 Monitoring Well Installation Oversight, Inspection, and Sampling

The monitoring sites are located along Putah Creek in northern Solano County. All work performed by the contractor will be overseen by LSCE to ensure that it is performed in accordance with project specifications. LSCE will provide onsite drilling and sampling inspection and general project oversight. LSCE will provide documentation and sampling services during the test hole drilling process, including preparation of a drilling log, collection of lithologic samples at a minimum of 10-foot intervals at each of the two monitoring sites (LSCE will coordinate the sampling approach with Dr. Grismer). All work will be performed by a California Professional Geologist or by experienced personnel under the direct supervision of a California Professional Geologist.

LSCE will develop final monitoring well designs based on data gathered during test hole evaluation. The principal design elements will include screen, casing, and seal depths. The piezometers will be constructed of 2-inch diameter, Schedule 40 PVC blank casing. The screen sections will be of the same material and will have machine cut 0.040-inch slots. A No. 8 gradation gravel will be placed in the annulus between the casings and the borehole wall. A sand/cement grout sanitary seal will be placed from a minimum depth of 20 feet to ground surface, pending any modifications needed due to the actual conditions encountered.

LSCE will verify that the monitoring wells are constructed as designed and according to accepted industry standards and regulatory requirements. Measures will be taken to ensure monitoring well security and public safety. LSCE will witness well development and verify completeness. LSCE will ensure that the contractor complies with all discharge, permit, and site cleanup and restoration requirements.

LSCE will prepare a well construction summary for each monitoring well which will include an as built well profile, lithologic descriptions of the formations encountered, a California Well Drillers Completion Report, and baseline water quality results (approximately three of the 12 monitoring wells would be sampled to establish shallow groundwater quality conditions). LSCE will provide the well construction summary report information to Dr. Grismer for his analysis of seepage conditions. LSCE anticipates receiving data collected by Dr. Grismer, along with his synthesis of the collected data, for integration in

work being conducted by the LSCE team for the preparation of the Groundwater Sustainability Plan for the Solano Subbasin.

Cost Estimate

Table 1A details the estimated cost for the previously approved tasks and for Tasks 3.4 and 3.5 described above. The estimated cost to complete these tasks is \$364,039. The **Table 1A** cost estimate reflects an increase of \$92,861 for Tasks 3.4 and 3.5 and an increase of \$11,364 for Task 3.1 that was erroneously excluded from the original cost estimate total provided by LSCE.¹ The current LSCE Schedule of Fees is enclosed for your reference. In the event that SCWA requests out-of-scope work and additional funds are needed to complete the task(s), SCWA will be contacted before proceeding with further work.

If you have any questions, or wish to discuss any of the above, we would be pleased to respond.

Sincerely,

LUHDORFF & SCALMANINI
CONSULTING ENGINEERS



Reid Bryson
Senior Hydrologist



Vicki Kretsinger Grabert
President/Senior Principal Hydrologist



Nick Watterson, PG
Supervising Hydrogeologist

Enclosures:

Table 1A – Cost Estimate
LSCE Schedule of Fees

¹ The amended cost estimate total also includes \$630 accounting for a discrepancy between the original cost estimate of \$259,814 and the approved contract amount of \$259,184.

Table 1A

Amendment Cost Estimate: Groundwater Services — Solano County Water Agency Groundwater Conditions Annual Update, Groundwater Monitoring Facilities, SGMA Assistance--Fiscal Year 2020-2021

Task Description		Hours							Cost			
		Sr. Prin. Hydrol.	Suprv. Hydrogeologist	Sr. Hydro-geol.	Pjt. Hydro-geol.	Staff Hydro-geol./Geol.	GIS/ Data Tech.	Clerical	LSCE	Outside Services/ Equipment ¹	Subtask	Task
		Billing Rate (\$/hr)	\$225	\$210	\$192	\$165	\$140	\$135				
Task 1 – Groundwater Conditions Annual Update Report and Data Management System Update												
Task 1.1	Data Management System data acquisition and quality control review of the following: PBO subsidence data (SCWA and PBO stations) and groundwater levels (DWR, SCWA, City of Vacaville, SID, Geotracker, USBR).		4	12	80	12	16		\$20,184		\$20,184	
Task 1.2	Update tables, figures and appendices with most current groundwater level (e.g., 2018 groundwater level contour maps) and subsidence data.	2		10	30	30	24		\$14,760		\$14,760	
Task 1.3.1	Draft report preparation and distribution	6	6	20	60			4	\$16,650	\$50	\$16,700	
Task 1.3.2	Final report preparation and distribution	2	2	4	16			8	\$4,878	\$200	\$5,078	
Task Total												\$56,722
Task 2 – SGMA Technical Assistance												
Task 2.1	Support for stakeholder related materials and meetings	40	24						\$14,040		\$14,040	
Task 2.2	Continued development of maps and other outreach materials to support stakeholder education and engagement efforts as part of facilitation services led by others	12	16	24		24	20		\$16,728	\$60	\$16,788	
Task 2.3	Supporting coordination and information-sharing with Groundwater Sustainability Agencies (GSAs) in adjacent basins, including the Yolo Subbasin	8		8					\$3,336		\$3,336	
Task 2.4	Developing additional funding proposals to support GSP development, including proposals for the DWR Technical Support Services program	4	4	8	16	6	8		\$7,836		\$7,836	
Task Total												\$42,000
Task 3 – Dedicated Groundwater Monitoring Facilities to Track Surface Water-Groundwater Interrelationships												
Task 3.1	Provide support to SCWA during TSS installation of SGMA monitoring facilities	4	16	12	16		16		\$11,364		\$11,364	
Task 3.2	Construction of up to 16 seepage monitoring wells at 3 sites. The estimated cost includes mobilization, test hole drilling, cost of materials, well development, well completion and site cleanup. (Outside Drilling Contractor) ¹									\$111,304	\$111,304	
Task 3.3	Project oversight and Inspection including documentation and lithologic sampling, final well design, observe well development, water quality sampling (general minerals, metals [dissolved and total], preparation of well construction summary.	8	36		24	160			\$35,720	\$2,300	\$38,020	
Task 3.4	Construction of up to 16 seepage monitoring wells at 3 sites. The estimated cost includes mobilization, test hole drilling, cost of materials, well development, well completion and site cleanup. (Outside Drilling Contractor) ¹									\$69,663	\$69,663	
Task 3.5	Project oversight and Inspection including documentation and lithologic sampling, final well design, observe well development, water quality sampling (general minerals, metals [dissolved and total], preparation of well construction summary.	4	8	4	40	80			\$21,148	\$2,050	\$23,198	
Task Total												\$253,549

Table 1A

**Amendment Cost Estimate: Groundwater Services — Solano County Water Agency Groundwater Conditions Annual Update, Groundwater Monitoring Facilities,
SGMA Assistance--Fiscal Year 2020-2021**

Task Description		Hours							Cost			
		Sr. Prin. Hydrol.	Suprv. Hydrogeologist	Sr. Hydro-geol.	Pjt. Hydro-geol.	Staff Hydro-geol./Geol.	GIS/Data Tech.	Clerical	LSCE	Outside Services/Equipment ¹	Subtask	Task
Billing Rate (\$/hr)		\$225	\$210	\$192	\$165	\$140	\$135	\$75				
Task 4 – Data Management System Upgrade												
Task 4.1	Initial development and data replication of the current DMS data from the existing MS Access database into a new SQL Server database stored in the Microsoft Cloud. LSCE will communicate with SCWA regarding SCWA's planned IT system upgrade and assist in transferring the SQL Server database to SCWA for local or cloud hosting by SCWA, as requested.			4	40		30		\$11,418	\$350	\$11,768	
Task Total												\$11,768
Totals		90	116	106	322	312	114	12	\$178,062	\$185,977		\$364,039

1. Includes outside services fee (see Schedule of Fees)

Note: As in previous years, the direct contract between SCWA and UNAVCO for ongoing maintenance, data management, and reporting related to the two CORS subsidence monitoring stations is not included in this budget but should be included in SCWA's annual budget for the coming fiscal year.

SCHEDULE OF FEES - ENGINEERING AND FIELD SERVICES 2020

Professional	
Senior Principal	\$225/hr
Principal Professional	\$220/hr
Supervising Professional	\$210/hr
Senior Professional	\$192/hr
Project Professional	\$150 to 170/hr
Staff Professional	\$135 to 145/hr
Technical	
Engineering Inspector	\$140/hr
ACAD Drafting/GIS	\$135/hr
Engineering Assistant	\$105 to 125/hr
Scientist	\$105 to 125/hr
Technician	\$105 to 125/hr
Clerical Support	
Word Processing, Clerical	\$80/hr
Digital Communications Specialist	\$90/hr
Project Admin/Accounting Assistant	\$100/hr
Other Services	
Vehicle Use	\$0.58/mi
Subsistence	Cost Plus 15%
Groundwater Sampling Equipment (Includes Operator)	\$170.00/hr
Copies	0.20 ea
Professional or Technical Testimony	200% of Regular Rates
Technical Overtime (if required)	150% of Regular Rates
Outside Services/Rentals	Cost Plus 15%
Services by Associate Firms	Cost Plus 15%

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: October 8, 2020

SUBJECT: Sale of surplus property

RECOMMENDATIONS:

Approve Resolution 2020-07 authorizing sale of surplus equipment no longer needed or useful for ongoing and anticipated Lower Putah Creek restoration activities.

FINANCIAL IMPACT:

Estimated revenue: unknown

BACKGROUND:

Government Code Section 37350 authorizes local governments to dispose of real and personal property when it is in the common good. The law does not state how the disposal of surplus property is to take place, leaving it to the local jurisdiction to make that determination. Among the methods most commonly used by local governments in California include sales at auctions by public or sealed bids, conducted either by the local government or under contract with a private auction firm, trade-ins, or sale as scrap metal. Increasingly, the use of private on-line sale agencies or sales on eBay is becoming a common practice. The Water Agency does not have any specific policies regarding the sale or disposal of surplus equipment and therefore all such sales or disposal of surplus property are conducted in accordance with Government Code Section 3750.

The Water Agency owns a number of items that were purchased through the federal government surplus sales program for various stream restoration projects along Lower Putah Creek and tributary streams. Staff has determined that the items listed in Table 1 (see page 2 and 3) are no longer needed or useful for ongoing and anticipated Lower Putah Creek restoration activities, or any other activities of the Water Agency, and is recommending they be sold or scraped, with the proceeds set aside for future equipment purchases. Pursuant to Government Code Section 37350, the Board must authorize the sale or disposal of surplus equipment by resolution (see attached).



Recommended: _____
Roland Sanford, General Manager

<input type="checkbox"/>	Approved as Recommended	<input type="checkbox"/>	Other (see below)	<input checked="" type="checkbox"/>	Continued on next page
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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 October 8, 2020 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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

TABLE 1

Item	Description	Quantity
#1	2009 Ford F-550 Altec Bucket Truck (White) VIN: 1FDAF57R09EA02265, License # 1294949	1
#2	1996 Chrysler Jeep Grand Cherokee (White) VIN: 1J4FJ28S2TL219645, Not registered	1
#3	1996 Chrysler Jeep Grand Cherokee (White) VIN: 1J4FJ28S2TL219646, Not registered	1
#4	1981 International Fire Engine Truck (Red) VIN: 1HTAA1729BHB29802, License # 1284773	1
#5	1967 Johnson Furnace M105A2 Trailer VIN: 0672368, License # 1414632	1
#6	1967 Johnson Furnace M105A2 Trailer VIN: 69926, License # 1414742	1
#7	1968 Johnson Furnace M105A2 Trailer VIN: 0660968, License # 1414637	1
#8	1986 Johnson Furnace M105A2 Trailer VIN: 0668768, License # 1414639	1
#9	Brush Bandit Wood Chipper, no title/registration Serial: 6086160	1
#10	Turtle Manufacturing Trailer, no registration Model: NW09WE-1625	1
#11	Military Water Pump Trailer (Green), no title/registration Model: US6TCCD, Serial # 51300-034	1
#12	Deutz Corp. Raw Water Pump Assembly Trailer (Tan), no title/registration, NSN: 4320-01-512-8088	1
#13	3,000 Gallon Pillow Tanks, no serial number	2
#14	20,000 Gallon Pillow Tank, no serial number	2
#15	Sullair Corporation Screw Compressor Model: 125DUO-JD, Serial: 004-109973	1
#16	White Engine Inc. Inline Four Engine Water Pump (Red) Model: D2300X184, Serial: RA3422646	1
#17	Giddings Soil Exploration Equipment Model: GSRP-ST, Serial: 1098	1
#18	Hanney P.M. Motor Hose Reel Model: 1401X-4000, Serial: R247788, R247834, F.M.235827	3
#19	Quality Equipment & Spray Herbicide Applicator w/ Honda GX160 Engine, Honda Serial: GC02-4917080	1

#20	Herbicide Boom Sprayer w/ 8 spray nozzles and 5 Solenoids	1
#21	HydroFarm Agriculture Grow Light w/ P.C. Light Systems 1,000 watts HPS Ballast, Model: RD Luminaire (RDUN)	4
#22	Westinghouse Electric Corp. Floodlights w/ Ballast Model: 45A23T9G01, 300-500 watts, Ballast Model: 890D-200G21	6
#23	Smith & Jones Cement Mixer ½ HP, 1800 RPM Motor Model: D561/2S4C-C, Serial: 369841447	1

RESOLUTION NUMBER 2020-07

**Resolution of the Solano County Water Agency
Authorizing Sale of Surplus Property**

WHEREAS, State law, under Government Code Section 37350, authorizes local governments to dispose of real and personal property when it is in the common good; and

WHEREAS, The Water Agency owns certain equipment that was purchased for various stream restoration projects along Lower Putah Creek and tributary streams; and

WHEREAS, The Water Agency has determined that the items listed in Exhibit 1, hereto attached, are no longer needed or useful for ongoing and anticipated Lower Putah Creek restoration activities, or any other activities of the Water Agency.

NOW THEREFORE BE IT RESOLVED that the General Manager is authorized to sell the items listed in Exhibit 1, attached hereto, in conformance with Government Code Section 37350 of State law.

Approved and adopted the 8th day of October, 2020. I, the undersigned, hereby certify that the foregoing Resolution was duly adopted by the SOLANO COUNTY WATER AGENCY:

Ayes:

Noes:

Abstain:

Absent:

Ron Kott, Chairman

ATTEST:

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

Exhibit 1 of Resolution 2020-07

Surplus items proposed for sale pursuant to Resolution 2020-07

Item	Description	Quantity
#1	2009 Ford F-550 Altec Bucket Truck (White) VIN: 1FDAF57R09EA02265, License # 1294949	1
#2	1996 Chrysler Jeep Grand Cherokee (White) VIN: 1J4FJ28S2TL219645, Not registered	1
#3	1996 Chrysler Jeep Grand Cherokee (White) VIN: 1J4FJ28S2TL219646, Not registered	1
#4	1981 International Fire Engine Truck (Red) VIN: 1HTAA1729BHB29802, License # 1284773	1
#5	1967 Johnson Furnace M105A2 Trailer VIN: 0672368, License # 1414632	1
#6	1967 Johnson Furnace M105A2 Trailer VIN: 69926, License # 1414742	1
#7	1968 Johnson Furnace M105A2 Trailer VIN: 0660968, License # 1414637	1
#8	1986 Johnson Furnace M105A2 Trailer VIN: 0668768, License # 1414639	1
#9	Brush Bandit Wood Chipper, no title/registration Serial: 6086160	1
#10	Turtle Manufacturing Trailer, no registration Model: NW09WE-1625	1
#11	Military Water Pump Trailer (Green), no title/registration Model: US6TCCD, Serial # 51300-034	1
#12	Deutz Corp. Raw Water Pump Assembly Trailer (Tan), no title/registration, NSN: 4320-01-512-8088	1
#13	3,000 Gallon Pillow Tanks, no serial number	2
#14	20,000 Gallon Pillow Tank, no serial number	2
#15	Sullair Corporation Screw Compressor Model: 125DUO-JD, Serial: 004-109973	1
#16	White Engine Inc. Inline Four Engine Water Pump (Red) Model: D2300X184, Serial: RA3422646	1
#17	Giddings Soil Exploration Equipment Model: GSRP-ST, Serial: 1098	1
#18	Hanney P.M. Motor Hose Reel Model: 1401X-4000, Serial: R247788, R247834, F.M.235827	3
#19	Quality Equipment & Spray Herbicide Applicator w/ Honda GX160 Engine, Honda Serial: GC02-4917080	1

Exhibit 1 of Resolution 2020-07

Surplus items proposed for sale pursuant to Resolution 2020-07

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
#20	Herbicide Boom Sprayer w/ 8 spray nozzles and 5 Solenoids	1
#21	HydroFarm Agriculture Grow Light w/ P.C. Light Systems 1,000 watts HPS Ballast, Model: RD Luminaire (RDUN)	4
#22	Westinghouse Electric Corp. Floodlights w/ Ballast Model: 45A23T9G01, 300-500 watts, Ballast Model: 890D-200G21	6
#23	Smith & Jones Cement Mixer ½ HP, 1800 RPM Motor Model: D561/2S4C-C, Serial: 369841447	1

SOLANO COUNTY WATER AGENCY
AMENDMENT TO AGREEMENT FOR PROFESSIONAL SERVICES

AMENDMENT NUMBER: 1

CONTRACTOR: Southwest Environmental Incorporated

EFFECTIVE DATE: October 8, 2020

PROJECT: Installation of High Efficiency Toilets at Low Income Sites

DESCRIPTION OF AMENDMENT:

1. Increase contract amount by \$35,000 from \$65,000 to \$100,000.

SIGNATURES:

Solano County Water Agency,
A Public Agency

Southwest Environmental Inc.

By: _____
Roland Sanford, General Manager
Solano County Water Agency

By: _____
Dale Chessher
Southwest Environmental Inc.

FOR SCWA USE ONLY

Contract Period: 7/1/2020 to 6/30/2021
File Number: AG-S-13
Account Manager: AF
G/L Account #: 6551 AC
Job Cost #: 2010
Contract Type: Prof. Services

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: October 8, 2020

SUBJECT: Contract Amendment for continued participation in Department of Water Resources Dry
 Year Water Purchase Program

RECOMMENDATIONS:


Authorize General Manager to execute Amendment No. 6 to the participation agreement with the Department of Water Resources for the Dry Year Water Purchase Program.

FINANCIAL IMPACT:

Annual program maintenance cost of approximately \$2,150 per year to be paid by the Water Agency. The Water Agency will be reimbursed for all water purchases requested by the Solano North Bay Aqueduct water users.

BACKGROUND:

In April 2008 the Board approved the Dry Year Water Purchase Program Agreement (Agreement) with the Department of Water Resources (DWR) for the supply and conveyance of water obtained by DWR from the Yuba County Water Agency. From the Water Agency’s perspective, the program serves as an insurance policy by providing additional water supplies in years when the North Bay Aqueduct allocation is low. In 2014, Benicia purchased 266 acre-feet through the Dry Year Water Purchase Program.

Recommended: 
Roland Sanford, General Manager

<input type="checkbox"/>	Approved as Recommended	<input type="checkbox"/>	Other (see below)	<input checked="" type="checkbox"/>	Continued on next page
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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 October 8, 2020 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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

The Agreement includes a “reopener clause” that is primarily used to renegotiate the sale price of water. In 2015 the sale price of water was renegotiated, and as a part of the negotiations, several State Water Contractors, but not Solano and some others, agreed to provide an advance payment of 20 million dollars toward future water purchases – a new condition negotiated by the Yuba County Water Agency. Pursuant to the renegotiated terms of the Agreement (Amendment 5), those State Water Contractors who did not participate in the 20 million dollar prepayment are required to compensate the State Water Contractors who fronted the 20 million dollars in the form of an interest payment that is based in part on their respective share of the water made available by the Yuba County Water Agency. Payments will continue until the entire 20 million dollars is expended (exact date dependent on when and how much water is purchased by those State Water Contractors who fronted the funds). The Water Agency’s interest payment is currently \$2,150 per year and is expected to decrease as additional State Water Contractors join the Dry Year Water Purchase Program.

The Agreement was reopened earlier this year to negotiate pricing over the next five years (2020-2025). The newly negotiated pricing terms are reflected in the proposed “Amendment 6” (attached), which has been reviewed by Water Agency counsel and approved as to form. Staff recommends the Water Agency continue participation in the Dry Year Water Purchase Program by authorizing the General Manager to execute Amendment 6.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN:

GOAL #1- Water Supply Management: Optimize the management of the County’s current and future water resources in a sustainable manner.

STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES

AND

SOLANO COUNTY WATER AGENCY

AMENDMENT 6 TO THE
AGREEMENT FOR THE SUPPLY AND CONVEYANCE OF WATER
BY THE DEPARTMENT OF WATER RESOURCES
OF THE STATE OF CALIFORNIA
TO THE PARTICIPATING STATE WATER PROJECT CONTRACTORS
UNDER
THE DRY YEAR WATER PURCHASE PROGRAM
SWPAO NO. 20-822

THIS AMENDMENT 6 (Amendment) to the March 31, 2008 “Agreement for the Supply and Conveyance of Water by the Department of Water Resources of the State of California Under the Dry Year Water Purchase Program” (Participation Agreement, or Agreement) is entered into as of _____ pursuant to the provisions of the California Water Resources Development Bond Act, the State Central Valley Project Act, and other applicable laws of the State of California, between the Department of Water Resources of the State of California, herein referred to as “DWR,” and the Solano County Water Agency, a public agency in the State of California, herein referred to as the “AGENCY.” DWR and the AGENCY are herein referred to separately as the “Party” and collectively as the “Parties.” Unless otherwise provided in this Amendment, the definitions in the Agreement, the Yuba Water Purchase Agreement, and the exhibits to that agreement shall apply to this Amendment.

RECITALS

- A. Under the December 4, 2007 “Agreement for the Long-Term Purchase of Water from Yuba County Water Agency by the Department of Water Resources” (Yuba Water Purchase Agreement), Yuba County Water Agency (Yuba) makes surface water available for delivery and purchase by DWR, some of which is made available through substitution of groundwater for surface flows that would otherwise be used by a number of water districts within Yuba County (Member Units).
- B. In 2007 and 2008, 21 State Water Project (SWP) Contractors and the San Luis & Delta-Mendota Water Authority (“AUTHORITY”) entered into agreements with DWR for the purchase and delivery of the water made available under the Yuba Water Purchase Agreement (cumulatively referred to as the Participation Agreements). In 2014, two additional Participating Contractors entered into Participation Agreements. The Participating SWP Contractors and the AUTHORITY are jointly referred to as “Participating Contractors”.
- C. The Parties amended the Agreement in 2009 (Amendment No. 1 and Amendment No. 2), 2010 (Amendment No. 3), 2012 (Amendment No. 4), and December 2014 (Amendment No. 5).
- D. The term of the Yuba Water Purchase Agreement is through December 31, 2025, or when all obligations thereunder have been satisfied, whichever is later, unless it is terminated earlier.
- E. Under Section 26 of the Yuba Water Purchase Agreement, the current pricing structure for water made available expires on September 30, 2020.
- F. In accordance with Section 15 of the Yuba Water Purchase Agreement, DWR and Yuba, in coordination with representatives of the Participating Contractors, negotiated a new pricing structure that establishes new pricing for the period from October 1, 2020 through September 30, 2025 that was incorporated into the Yuba Water Purchase Agreement by the seventh amendment to that agreement.
- G. In light of the new pricing agreement reflected in the seventh amendment to the Yuba Water Purchase Agreement, the parties to the Participation Agreements desire to amend their respective Participation Agreements to conform with changes made by that amendment. This sixth amendment to the Participation Agreement shall be referred to in this Amendment as “Amendment 6”.

AMENDMENT 6 to the Participation Agreement

Now Therefore, the Parties hereby amend the Participation Agreement as follows:

1. EFFECTIVE DATE OF AMENDMENT

Amendment 6 to the Participation Agreement shall take effect when all of the following have occurred: (i) execution by the Parties; (ii) execution of the same or substantively similar amendments by DWR and all other Participating Contractors that elect to participate beyond December 31, 2020; and (iii) execution of the seventh amendment to the Yuba Water Purchase Agreement by DWR and Yuba.

2. SECTION 2.B, “TERM OF THE AGREEMENT”, is amended to read as follows:

“B. Notwithstanding Subparagraph A, the Parties may terminate the Participation Agreement on December 31, 2025, if they fail to amend the Participation Agreement pursuant to Section 3.B.5 and as necessary to address amendments made to the Yuba Water Purchase Agreement regarding the quantity and pricing of Water to be made available by Yuba after September 30, 2025 pursuant to Section 15 of the Yuba Water Purchase Agreement.

3. CHANGES TO SECTION 3, “PURCHASED WATER”

a. Section 3.B, “TYPES AND PRICES OF PURCHASED WATER”, is amended to read as follows:

The AGENCY shall pay for Delivered Transfer Water made available to and accepted by the Agency under section 3.A above in accordance with the following sections, provided that, the first increment of Delivered Transfer Water provided on or after October 1, 2020, will be paid for according to the pricing schedule listed in Amendment 5 of this Agreement (which is \$50 in a Wet Water Year, \$100 in an Above-Normal Water Year, \$150 in a Below-Normal Water Year, \$200 in a Dry Water Year, \$300 in a Critical Water Year and \$350 in a Consecutive Dry Water Year), which payment will be applied as a credit against the remaining balance of the advance deposit of \$20 million (provided for in Amendment 5), until full crediting of the \$20 million advance deposit, at which time the pricing under this Amendment will be used.

b. Section 3.B.1.a, “COMPONENT 1 WATER”, is amended to read as follows:

- “a. For Component 1 Water that is accounted for as Purchased Water and made available to the AGENCY, the AGENCY will pay:
- i. \$64 per acre-foot in a Wet Year;
 - ii. \$128 per acre-foot in an Above Normal Year;
 - iii. \$191 per acre-foot in a Below Normal Year;
 - iv. \$255 per acre-foot in a Dry Year, except as provided in subsection vi;
 - v. \$383 per acre-foot in a Critical Year, except as provided in subsection vi;
 - vi. \$447 per acre-foot in two or more consecutive Final Classification Dry Years (or a Dry Year following a Critical Year) or in two or more consecutive Final Classification Critical Years (or a Critical Year following a Dry Year).
 - vii. Notwithstanding subsections i-vi, in any year in which Yuba’s Third-Party Transfer of up to 10,000 acre-feet of Storage Component water under Section 11 of the Yuba Water Purchase Agreement reduces the quantity of Component 2 Water available to the AGENCY, the price for Component 1 Water will reflect the reductions specified in Section 11.F.2 of such agreement.”

c. Section 3.B.2, “COMPONENT 2 WATER”, is amended to read as follows:

“For Component 2 Water that is accounted for as Purchased Water and made available to the AGENCY, the AGENCY will pay 80 percent of the amounts in Section 3.B.1, as amended.”

d. Section 3.B.3, “COMPONENT 3 WATER”, is amended to read as follows:

- “For Component 3 Water that is accounted for as Purchased Water and made available to the AGENCY, the AGENCY will pay:
- a. \$64 per acre-foot in a Wet Year;
 - b. \$128 per acre-foot in an Above Normal Year;
 - c. \$191 per acre-foot in a Below Normal Year;
 - d. \$255 per acre-foot in a Dry Year, except as provided in subsection f;
 - e. \$383 per acre-foot in a Critical Year, except as provided in subsection f;
 - f. \$447 per acre-foot in two or more consecutive Final Classification Dry Years (or a Dry Year following a Critical Year) or in two or more consecutive Final Classification Critical Years (or a Critical Year following a Dry Year).”

e. Section 3 is amended to add Section 3.B.7, “Price for Fall Delivered Water:

“Component 1, 2, 3, and 4 Water that is accounted as delivered in the months of October and November will be priced using the determination of Water Year that was in effect prior to September 30th of that year.”

4. NO OTHER CHANGES

All remaining provisions of the Agreement that are not changed by this Amendment will remain in full force and effect. Nothing in this Amendment affects the payment provisions of the Agreement through September 30, 2020.

5. COUNTERPARTS OF THE AGREEMENT

This Amendment may be signed in any number of counterparts by the Parties, each of which will be deemed to be an original, and all of which together will be deemed to one and the same instrument. This Amendment, if executed in counterparts, will be valid and binding on a Party as if fully executed all in one copy.

IN WITNESS WHEREOF, the Parties hereto, by their authorized representatives,
have executed this Amendment on the last date set forth below.

Approved as to legal form
and sufficiency:

STATE OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES

Spencer Kenner
Chief Counsel

Ted Craddock
Deputy Director

Date

Date

Approved as to legal form
and sufficiency:

SOLANO COUNTY WATER AGENCY

Name
Counsel

Roland Sanford
General Manager

Date

Date

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: October 8, 2020

SUBJECT: Contract with CBEC for Post-Fire Flood Risk Modeling

RECOMMENDATIONS:

Authorize General Manager to execute \$65,000 professional services contract with CBEC for post-fire flood risk modeling of the Ulatis-Alamo Creek Watershed.


FINANCIAL IMPACT:

Total cost not to exceed \$65,000. Sufficient funding is available in the Water Agency’s FY 2020-2021 Ulatis budget.

BACKGROUND:

During the LNU Complex Wildfire most of the Ulatis-Alamo Creek headwaters was burnt. The Ulatis-Alamo Creek Watershed is located in northeastern Solano County and drains a significant portion of the City of Vacaville and unincorporated Solano County. After wildfires, there is a greater risk of elevated peak flood flows, especially in areas of severe fire intensity, similar to what has been observed for the upper Ulatis-Alamo Creek watershed. Additionally, Alamo Creek has a history of severe flooding within the City of Vacaville, most recently in Dec-2005. The purpose of this contract, is to conduct rapid post-fire modeling to evaluate the risk of post-fire peak flood flows within the Ulatis-Alamo Creek watershed. The results will better inform local officials, including County, City, and Water Agency staff on how future weather forecasts and rainfall intensities may lead to potential flooding within the Ulatis-Alamo Creek watershed.

CBEC has prepared an initial scope of work with an estimated total cost of \$46,220. Following completion of this initial scope of work it is likely there will be follow up analyses desired by staff. To accelerate completion of any additional analyses, staff is recommending the contract amount with CBEC be expanded – from \$46,220 to \$65,000.

Recommended:  _____
Roland Sanford, General Manager

<input type="checkbox"/>	Approved as Recommended	<input type="checkbox"/>	Other (see below)	<input checked="" type="checkbox"/>	Continued on next page
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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 October 8, 2020 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN:

The Post-Fire Flood Modeling Support is consistent with Goal #3 – Flood Management of the SCWA Strategic Plan.

Name of Project: **Post-Fire Flood Modeling**

SOLANO COUNTY WATER AGENCY

AGREEMENT FOR PROFESSIONAL SERVICES (*Professional Services/Consultant*)

THIS AGREEMENT, **effective October 8, 2020**, is between SOLANO COUNTY WATER AGENCY, a public agency existing under and by virtue of Chapter 573 of the 1989 statutes of the State of California, hereinafter referred to as "Agency," and CBEC, Inc., hereinafter referred to as "Contractor."

The Agency requires services for **Post-Fire Flood Modeling**; and the Contractor is willing to perform these services pursuant to the terms and conditions set out in this Agreement.

IT IS MUTUALLY AGREED, as follows:

1. SCOPE OF SERVICES

The Agency hereby engages the Contractor, and the Contractor agrees to perform the services for **Post-Fire Flood Modeling**, as described in Exhibit A, in accordance with the terms of this Agreement and any applicable laws, codes, ordinances, rules or regulations.

In case of conflict between any part of this Agreement, this Agreement shall control over any Exhibit.

2. COMPENSATION

Compensation for services shall be as follows: Hourly rate of personnel plus any allowed reimbursable expenses based on unit costs as indicated on any allowed reimbursable expense in Exhibit B **not to exceed \$65,000** for all work contemplated by this Agreement.

3. METHOD OF PAYMENT

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

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

4. **TIME OF PERFORMANCE**

This Agreement shall become effective as of the date it is executed and said services will take place between this date and **June 30, 2021** as directed by the Agency.

5. **MODIFICATION AND TERMINATION**

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

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

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

6. **INDEMNIFY AND HOLD HARMLESS**

To the extent permitted by law, Consultant shall hold harmless, defend at its own expense, and indemnify Solano County Water Agency, its directors, officers, employees, and authorized volunteers, against any and all liability, claims, losses, damages, or expenses, including reasonable attorney's fees and costs, arising from all acts or omissions of Consultant or its officers, agents, or employees in rendering services under this contract; excluding, however, such liability, claims, losses, damages or expenses arising from Solano County Water Agency's sole negligence or willful acts.

7. **INSURANCE**

Minimum Insurance Requirements: Consultant shall procure and maintain for the duration of the contract insurance against claims for injuries or death to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the Consultant, his agents, representatives, employees or sub-contractors.

Coverage - Coverage shall be at least as broad as the following:

1. **Commercial General Liability (CGL)** - Insurance Services Office (ISO) Commercial General Liability Coverage (Occurrence Form CG 00 01) including products and completed operations, property damage, bodily injury, personal and advertising injury with limit of at least two million dollars (\$2,000,000) per occurrence or the full per occurrence limits of the policies available, whichever is greater. If a general aggregate limit applies, either the general aggregate limit shall apply separately to this project/location (coverage as broad as the ISO CG 25 03, or ISO CG 25 04 endorsement provided to Solano County Water Agency) or the general aggregate limit shall be twice the required occurrence limit.
2. **Automobile Liability** – (if necessary) Insurance Services Office (ISO) Business Auto Coverage (Form CA 00 01), covering Symbol 1 (any auto) or if Consultant has no owned

autos, Symbol 8 (hired) and 9 (non-owned) with limit of one million dollars (\$1,000,000) for bodily injury and property damage each accident.

3. **Workers' Compensation Insurance** - as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease. **Waiver of Subrogation:** The insurer(s) named above agree to waive all rights of subrogation against the Solano County Water Agency, its elected or appointed officers, officials, agents, authorized volunteers and employees for losses paid under the terms of this policy which arise from work performed by the Named Insured for the Agency; but this provision applies regardless of whether or not the Solano County Water Agency has received a waiver of subrogation from the insurer.

If the Consultant maintains broader coverage and/or higher limits than the minimums shown above, the Solano County Water Agency requires and shall be entitled to the broader coverage and/or higher limits maintained by the Consultant. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the Solano County Water Agency.

Other Required Provisions - The general liability policy must contain, or be endorsed to contain, the following provisions:

1. **Additional Insured Status:** Solano County Water Agency, its directors, officers, employees, and authorized volunteers are to be given insured status (at least as broad as ISO Form CG 20 10 10 01), with respect to liability arising out of work or operations performed by or on behalf of the Consultant including materials, parts, or equipment furnished in connection with such work or operations.
2. **Primary Coverage:** For any claims related to this project, the Consultant's insurance coverage shall be primary at least as broad as ISO CG 20 01 04 13 as respects to the Solano County Water Agency, its directors, officers, employees and authorized volunteers. Any insurance or self-insurance maintained by the Solano County Water Agency its directors, officers, employees and authorized volunteers shall be excess of the Consultant's insurance and shall not contribute with it.

Notice of Cancellation: Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the Solano County Water Agency.

Self-Insured Retentions - Self-insured retentions must be declared to and approved by the Solano County Water Agency. The Solano County Water Agency require the Consultant to provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention. The policy language shall provide, or be endorsed to provide, that the self-insured retention may be satisfied by either the named insured or Solano County Water Agency.

Acceptability of Insurers - Insurance is to be placed with insurers having a current A.M. Best rating of no less than A: VII or as otherwise approved by Solano County Water Agency.

Verification of Coverage – Consultant shall furnish the Solano County Water Agency with 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 Solano County Water Agency before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the Consultant's obligation to provide them. The Solano County Water Agency reserves the right to require complete, certified copies of all required insurance policies, including policy Declaration pages and Endorsement pages.

Sub-contractors - Consultant shall require and verify that all sub-contractor maintain insurance meeting all the requirements stated herein, and Consultant shall ensure that Solano County Water Agency its directors, officers, employees, and authorized volunteers are an additional insured are an additional insured on Commercial General Liability Coverage.

8. COMPLIANCE WITH LAW

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

9. RECORD RETENTION

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

10. OWNERSHIP OF DOCUMENTS

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

11. SUBCONTRACT AND ASSIGNMENT

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

12. NONRENEWAL

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

13. NOTICE

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

AGENCY

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

CONTRACTOR

C. B. Bowles, President
CBEC, Inc.
2544 Industrial Blvd.
West Sacramento, CA 95691

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

Solano County Water Agency
a Public Agency

CBEC, Inc.
a California Corporation

By: _____
Roland Sanford, General Manager
Solano County Water Agency

By: _____
C. B. Bowles, President
CBEC, Inc.

FOR SCWA USE ONLY

Contract Period: 10/8/2020 to 6/30/2021
File Number: AG-C-14
Account Manager: Alex Rabidoux
G/L Account #: 6140U
Job Cost #: 3314
Contract Type: Professional Services

EXHIBIT A
SCOPE OF SERVICES

SCOPE OF WORK

Date:	September 30, 2020
To:	Alex Rabidoux – Solano County Water Agency
From:	Michael Founds MS, Luke Tillmann MS, and Chris Bowles PhD PE – cbec eco engineering
Project:	20-70: Ulatis System Post-Fire Flooding Assessment
Subject:	Scope of Work and Budget Estimate

INTRODUCTION

Unprecedented wildfires have recently burned across the landscapes where we live, work, and recreate. Once a fire is contained, the immediate need turns to identifying and addressing post-wildfire threats. Wildfires alter the physical landscape of watersheds, potentially causing erosion, increased sedimentation, debris flows, and flooding. These physical, water quality, and ecological hazards need to be identified and quantified to effectively communicate risks to resource managers, law enforcement, local governments, and the public. At the request of Alex Rabidoux of Solano County Water Agency (SCWA), cbec eco engineering (cbec) is proposing a physically based modeling process to predict how peak flows from winter storm scenarios impact flooding in the Ulatis System. A preliminary model was developed as part of this proposal for the Alamo Creek Watershed to demonstrate outputs, as well as the potential to complete this analysis rapidly. cbec recommends expanding this approach to the entire Ulatis Creek Watershed to consider what types of design storms may exacerbate post-fire flood risk. cbec has developed a scope of work and an estimate of probable cost to quantify changes in peak flows for a series of design events, integrate these changes into existing hydrologic and hydraulic models and evaluate flood implications at priority areas within the Ulatis System.

TASK 1 – Quantifying Change in Post-Fire Event Based Flooding

A key question following a fire often concerns where to deploy thinly stretched resources. Modeling processes have been developed to rapidly incorporate burn severity mapping into hydrologic models to describe relative changes in expected peak flow and sediment yield following a fire. One platform developed to execute these hydrologic models is the Automated Geospatial Watershed Assessment Tool (AGWA). AGWA is a GIS-based platform that executes a suite of hydrologic and erosion models including the Kinematic Runoff and Erosion Model (K2). Runoff and sediment responses have been studied for historical wildfires to determine how to accurately represent post-fire physical changes within K2 (Canfield et. al., 2005), and these changes can be rapidly parameterized within K2 using the AGWA platform (Goodrich et. al., 2005). Burned Area Emergency Response (BAER) teams have applied a modeling approach using AGWA to parameterize K2 to evaluate impacts of flooding and sedimentation on over 52 wildland fires covering over 3.8 million acres (Guertin et. al., 2019). This physically based modeling approach can be applied to understand relative changes in hydrology and sediment loading following a fire. This modeling process was applied to the Alamo Creek Watershed to understand how peak flows are expected to change as a result of the LNU Fire.

Task 1.1 – Case Study for the Alamo Creek Watershed

cbec leveraged the soil burn severity map from the LNU fire to model changes in flood impacts to the Alamo Creek Watershed. Alamo Creek was selected due to the high burn severity in the upper watershed, and because historical events have caused flooding within this watershed. The following maps and plots describe a preliminary example of the post-fire risk assessment cbec could carry out for the entire Ulatis System for SCWA.

Post-Fire Hydrologic Changes

Wildfire impacts the soil and vegetation, which in turn affects how water interacts with the landscape. Wildfire can greatly reduce the tree canopy and shrub/duff layers which buffer rainfall and anchor soils. Loss of biomass reduces the hillslope roughness and the capacity to intercept and absorb rainfall. The bare soil surface is altered by high severity fires, potentially collapsing the soil structure, and reducing porosity. These physical changes are represented in the K2 model using the AGWA platform. Post-fire hydrology is represented in K2 by modifying manning's roughness and soil hydraulic conductivity. These changes are applied by integrating the soil burn severity map into the land use dataset as shown in Figure 1.

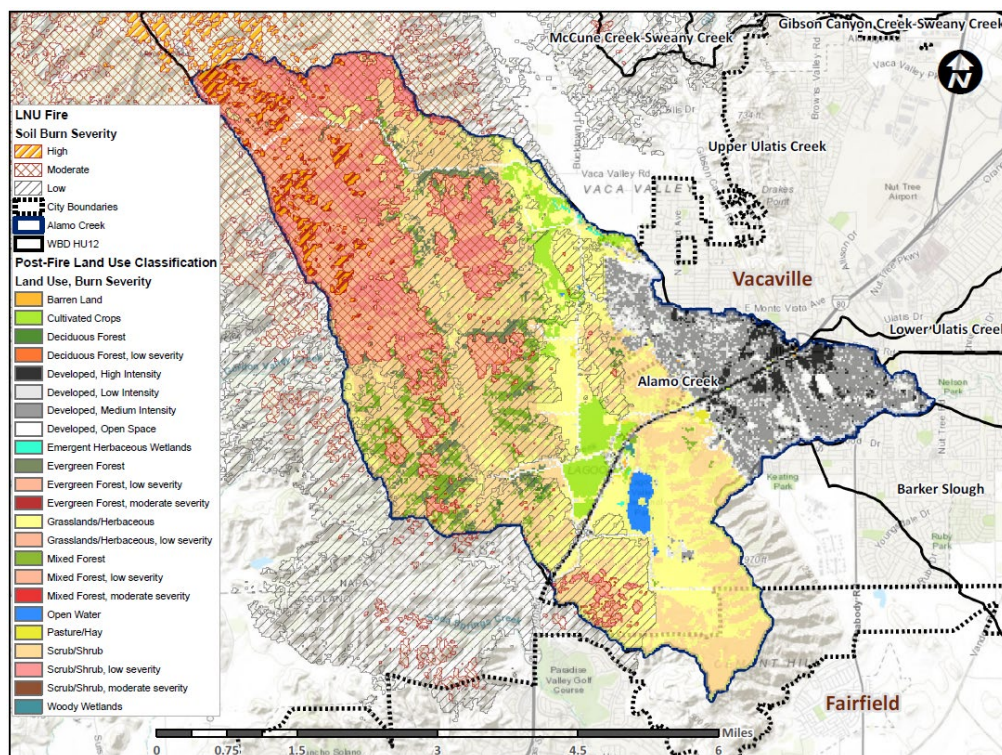


Figure 1. The fire perimeter is integrated into the existing land use classification using the soil burn severity mapping. The modified land use corresponds to altered soil properties and roughness.

Percent Change in flood risk at the watershed scale

The K2 model was simulated for a 6-hr 3.77 in storm (Between a 25-yr and 50-yr recurrence interval for the Alamo Creek Watershed according to NOAA Atlas 14) centered over the entire watershed. The model was executed for unburned conditions, and for the current condition with burned areas in the upper watershed from the LNU fire. The results are shown in the map below as relative change in peak flow.

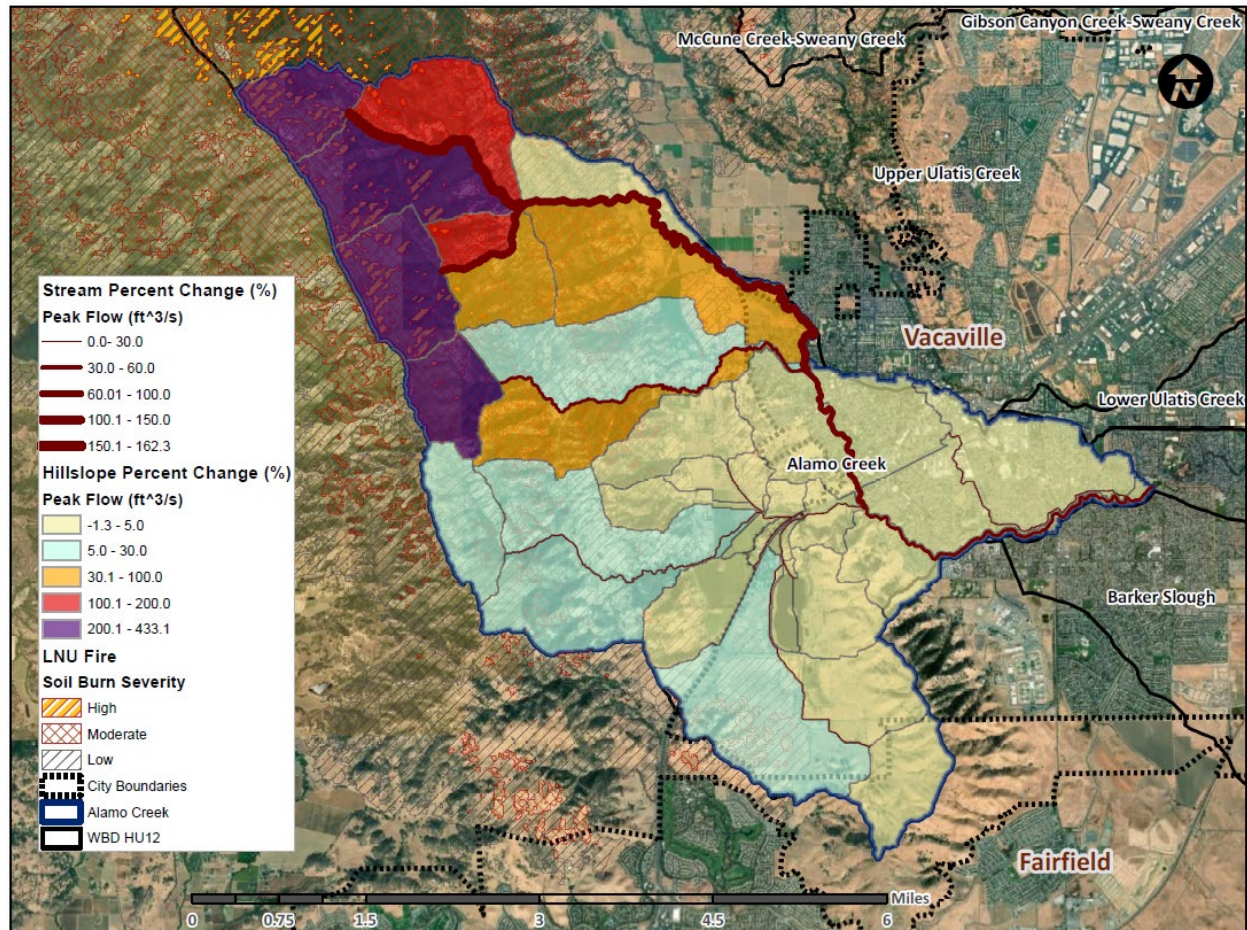


Figure 2. Percent change in peak flow resulting from a 6-hr 3.77-inch storm. Percent change in peak flow is calculated by $(\text{post-fire} - \text{pre-fire}) / (\text{pre-fire})$.

Analysis of Peak Flow for Impacted Stream Reach

A hydrograph of peak flow is evaluated for the northern branch of Alamo Creek adjacent the Vacaville City Limits. The peak flow is more than doubled in this location, where much of the upper watershed burned (Figure 3).

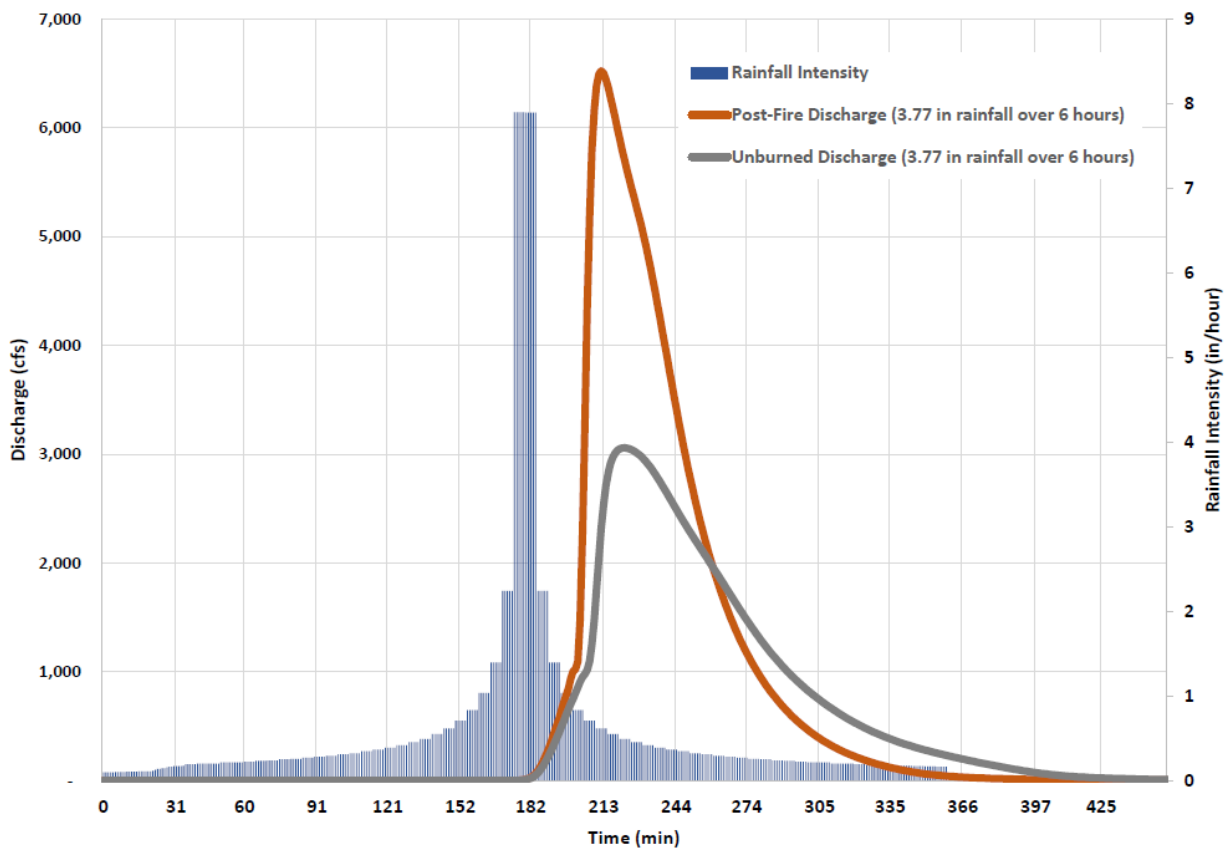


Figure 3. Hydrograph for impacted stream reach for unburned and post-fire scenarios.

Assumptions

1. Data presented in figures is preliminary. The current model will require further improvements and QAQC.
2. Only one event was simulated for this scenario as a demonstration of the methodology, representing an extremely large rainfall event. Potential analysis of additional events is described in Task 2.

Deliverables:

1. The modeling results are available as spatial datasets, pdf's, or tabular data upon request.

Task 1.2 – Expanding Model to Entire Ulati Creek System

The analysis described in Task 1 .1 will be expanded to the entire Ulati Creek Watershed shown in Figure 4. This will include additional subwatersheds of Upper Ulati Creek, Gibson Canyon Creek-Sweany Creek, and McCune Creek-Sweany Creek. The model will also need to be refined so that it is an accurate representation of physical conditions in the system and produces similar order-of-magnitude results to

the existing HEC-1 model. A series of events representing a range of probable winter storms will be simulated as described in Task 2.

- A digital elevation model (DEM) would need to be hydrologically corrected for flow to be routed accurately
- An analysis of existing hydraulic models can be used to improve geomorphic representation of channels within K2
- Peak discharge, sediment output, and hydrographs will be analyzed at selected locations of interest.

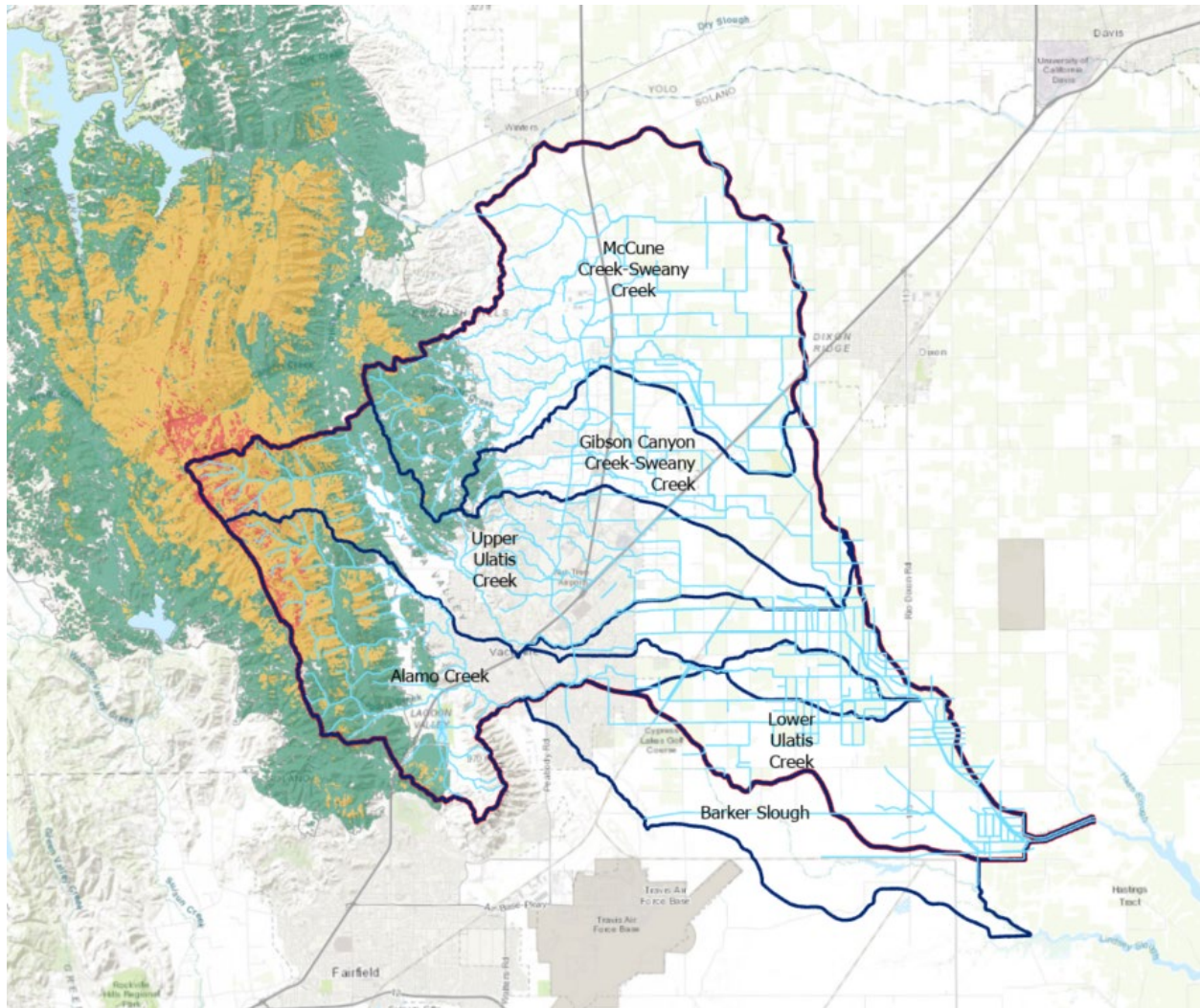


Figure 4. Subwatershed of the Ulatis Creek Watershed and soil burn severity resulting from LNU fire.

Assumptions:

1. cbec will work with SCWA to refine locations of interest

Deliverables:

1. Set of maps showing percent change in peak runoff for each design storm event

- Hydrographs showing change in discharge for unburned and post-fire scenarios at locations of interest.

Task 2 – Scaling of HEC-1 Model Outputs

The cbec post-fire model outputs are a useful way to explore relative change in expected flooding from a set of design storms. However, the model will only undergo limited calibration, and may not perfectly represent all components of the flood system. Instead, the cbec post-fire analysis will link relative change in peak flow from K2 models to the existing HEC-1 hydrologic model to scale the HEC-1 design flows by the scaling factors determined by the K2 model.

The Ulati System Drainage Study used a HEC-1 model to simulate design storms ranging from 5 years to 100 years with a 24-hour duration (West Yost, 2008). The design storms were determined based on the methodology outlined in the 1999 SCWA Hydrology manual. cbec would simulate the same range of design storms in K2 for pre- and post-fire conditions to determine the outflow scaling factors associated with each design precipitation event and apply these factors to HEC-1-computed peaks.

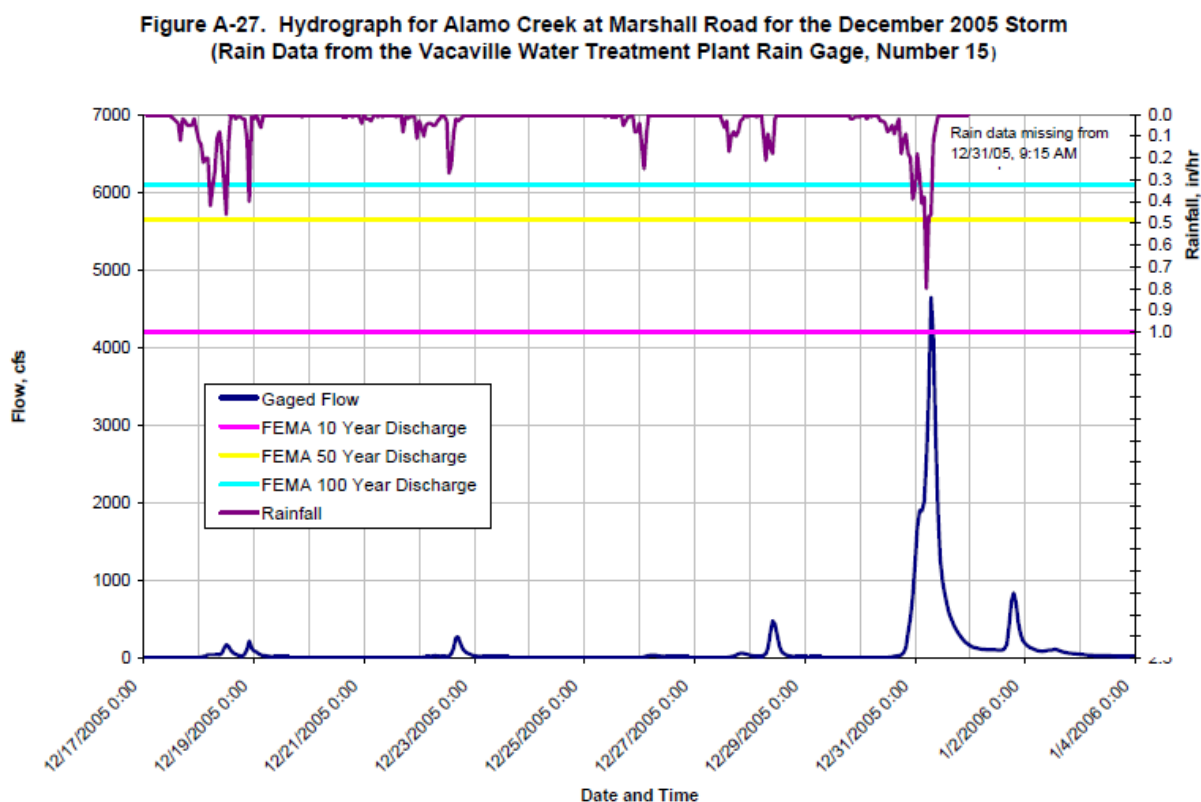


Figure 5. Results from Ulati System Drainage Study (West Yost, 2008) that could potentially be evaluated to see how fire would impact peak flow hydrographs.

Assumptions:

- Results of HEC-1 model design storms would be shared with cbec for the locations of interest.
- The HEC-1 model will not be simulated for new post-fire hydrology as a part of this scope.

3. SCWA will communicate the locations of interest to view model outputs to cbec.
4. cbec hydrologic model will not be extensively calibrated, and results for this task will be applied only as relative change to values from the calibrated West Yost HEC-1 hydrologic model.

Deliverables:

1. The relative change in peak flows for a range of design storms will be compared at locations of interest in a table. Results will be analyzed and described in a technical memorandum (Task 3.3).

Task 3 – Summarizing Flood Risk to Ulatis System

cbec will evaluate how the increased flooding might impact specific areas within the Ulatis System and result of analysis will be described in a technical memorandum (Task 3.3).

Task 3.1 – Precipitation thresholds for post-fire flooding

After having built and loosely calibrated the K2 model to produce similar results to SCWA's HEC-1 model as part of Task 1, cbec will determine 24-hour, basin-averaged precipitation levels that produce flooding in key reaches, based on channel capacities described in the Ulatis System Drainage Study (West Yost, 2008). No hydraulic modeling will be included in this task; instead references will be made to tabular data from the Ulatis System Drainage Study (West Yost, 2008; Figure 6) and correspondence with SCWA staff.

Table E-2. Summary of HEC-RAS Model Flows

Creek and Location	Peak Flow, cfs			
	2002	2005	10-Year	100-Year
McCune Creek				
Silveyville Road	2,529	2,482	2,670	4,216
Dixon Avenue	3,178	3,851	3,104	4,529
Midway Road	1,969	2,497	2,096	2,807
Sweeney Creek				
Peaceful Glen Road	2,563	2,656	2,689	3,861
Putah South Canal	3,115	3,229	3,226	4,639
I-505	992	984	988	1,022
Meridian Road	1,457	1,388	1,433	1,666
Gibson Canyon Creek				
Putah South Canal	600	565	731	1,048
I-505	723	676	732	916
Leisure Town Road	1,096	992	1,080	1,339
I-80	2,599	2,274	2,426	3,527
Gibson Canyon Creek – South Fork				
Browns Valley Road	147	138	193	278
Putah South Canal	234	202	272	404
Old Railroad	234	202	272	404
I-505	394	321	371	443
Horse Creek				
I-80	1,025	1,043	1,217	1,478
Orange Drive	1,285	1,338	1,524	1,874
Leisure Town Road	1,931	2,083	2,327	2,942
Willow Glen	2,095	2,189	2,496	3,240
North Horse Creek				
Putah South Canal	261	256	333	483
East Monte Vista Avenue	409	370	502	686
I-505	441	397	538	737

Table E-2. Summary of HEC-RAS Model Flows, Cont'd...

Creek and Location	Peak Flow, cfs			
	2002	2005	10-Year	100-Year
Pine Tree Creek				
Browns Valley Road	226	199	391	563
Putah South Canal	207	233	270	335
East Monte Vista Avenue	257	276	332	415
Ulatis Creek				
Farrell Road	3,149	3,890	4,796	7,033
East Monte Vista Avenue	3,614	4,611	5,675	8,280
I-80	3,596	4,702	4,393	4,730
Allison Drive	3,611	4,347	4,497	4,917
Nut Tree Road	3,254	3,543	3,545	3,804
Leisure Town Road	3,124	3,610	3,690	4,210
Confluence with McCune Creek	14,835	17,596	15,368	20,204
Confluence with Alamo Creek	14,680	21,765	17,636	24,229
Alamo Creek				
Pleasants Valley	1,648	2,247	2,986	3,546
Monte Vista Avenue	2,347	3,193	4,414	5,621
I-80	2,398	3,344	4,582	5,903
Marshall Road	3,638	4,827	5,495	6,860
Peabody Road	3,753	4,559	4,821	5,488
Tulare Drive	3,779	4,657	4,910	5,634
Nut Tree Road	3,803	4,737	4,982	5,759
Leisure Town Road	4,070	5,523	5,794	7,171
Meridian Road	4,142	5,623	5,903	7,318

Figure 6. Results from Ulatis System Drainage Study (West Yost, 2008) that could potentially be evaluated to see how fire would impact peak flows in HEC-RAS model outputs.

Assumptions:

1. No hydraulic modeling will be undertaken using the HEC-RAS model. Instead, flow thresholds for reaches of interest will be obtained from the Ulatis System Drainage Study (West Yost, 2008) and through conversations with SCWA staff.
2. The K2 model will only be loosely calibrated, so the results of this analysis will be approximate but useful for planning-level purposes to understand 24-hr, basin averaged precipitation thresholds that are likely to result in flooding.

Deliverables:

1. A tabular summary of 24-hr, basin-averaged precipitation depths that will exceed channel capacities for selected reaches of interest based on stated or communicated channel capacities.
2. Results of analysis will be summarized in the technical memorandum.

Task 3.2 – Flood Impacts to identified “Values at Risk”

The Watershed Emergency Response Team (WERT) has identified 16 locations with “Values at Risk” within the upper watersheds of Alamo and Upper Ulatis Creek. The increased risk of flooding for these subwatersheds will be assessed using the model outputs of design storms for unburned and post-fire scenarios.

Assumptions:

1. Analysis will be limited increased peak flows and sediment yield from hillslope and from streams of watersheds with identified “Values at Risk”.
2. Specific mitigation strategies will not be provided.
3. Spatially explicit models such as a 2-D HEC-RAS will not be created to evaluate risks to structures.

Deliverables:

1. A tabular summary of relative change in peak flows from hillslope and streams will be provided for approximate for identified “Values at Risk”.
2. Results of analysis will be summarized in the technical memorandum (Task 3.3).

Task 3.3 – Technical Memorandum of Flood Impacts to SCWA

The results from this study will be written up in a technical memorandum. The memo will provide a quantitative basis to understand how winter storms are likely to impact post-fire peak flows. These results will be presented so that they can be integrated into existing models to better prepare for flooding.

Assumptions:

1. Modifications to the draft technical memorandum following SCWA comments may involve potential clarifications or reorganization of text, data tables, and figures but will not include additional data collection, modeling, or analyses.

Deliverables:

1. Draft and final technical memoranda, delivered electronically to SCWA.

BUDGET

The level of effort per task is commensurate with the staff hours defined in the attached budget. Additional effort or study requests will be considered out of scope and may incur extra costs. The estimated cost to perform the full proposed scope of work is **\$46,220.00**.

References

- Burns, I.S., Korgaonkar, Y., Guertin, D.P., Goodrich, D.C., Kepner, W.A., Miller S.N., and Semmens D.J. 2013. Automated Geospatial Watershed Assessment (AGWA) 3.0 Software Tool. Washington, DC: USDA Agricultural Research Service and U.S. EPA. Retrieved from <http://www.tucson.ars.ag.gov/agwa/>.
- Canfield, H.E., Goodrich, D.C., and Burns, I.S. 2005. "Selection of Parameter Values to Model Post-Fire Runoff and Sediment Transport at the Watershed Scale in Southwestern Forests," In: Proceedings for the 2005 ASEC Watershed Management Conference, Managing Watersheds for Human and Natural Impacts: Engineering, Ecological, and Economic Challenges, Williamsburg, VA, July 19-22, 2005. [http://dx.doi.org/10.1061/40763\(178\)48](http://dx.doi.org/10.1061/40763(178)48).
- Goodrich, D.C., Canfield, H.E., Burns, I.S., Semmens, D.J., Miller, S.N., Hernandez, Levick, L.R., Guertin, D.P., and Kepner, W. 2005. "Rapid Post-Fire Hydrologic Watershed Assessment using the AGWA GIS-Based Hydrologic Modeling Tool," In: Proceedings for the 2005 ASEC Watershed Management Conference, Managing Watersheds for Human and Natural Impacts: Engineering, Ecological, and Economic Challenges, Williamsburg, VA, July 19-22, 2005. [http://dx.doi.org/10.1061/40763\(178\)44](http://dx.doi.org/10.1061/40763(178)44).
- Guertin, D.P.; Sidman, G., Goodrich, D.C., Unkrich, C.L., Burns, I.S., Patel J., Levick, L., Sheppard B., 2019. "Assessing the Hydrological and Erosional Effects of Wildland Fire," Proceedings of the 4th Joint Federal Interagency Conference, June 24 – 28, 2019, Reno, Nevada.
- Sidman, G., Guertin, D.P., Goodrich, D.C., Unkrich, C.L., and Burns, I.S. 2016. "Risk assessment of post-wildfire hydrological response in semiarid basins: the effects of varying rainfall representations in the KINEROS2/AGWA model," International Journal of Wildland Fire, 25(3): 268-27
- West Yost Associates, 2008. Ulati System Drainage Study. Prepared for Solano County Water Agency. 1260 Lake Boulevard, Suite 240, Davis, CA 95616.

EXHIBIT B**RATE OF COMPENSATION**

Task #	Task Description	Subtotal
1.1	Case Study for the Alamo Creek Watershed	\$2,780.00
1.2	Expanding Model to Entire Ulatis Creek System	\$13,510.00
2.0	Scaling of HEC-1 Model Outputs	\$7,910.00
3.1	Precipitation Thresholds for Post-Fire Flooding	\$8,610.00
3.2	Flood Impacts to Identified CalFire “Values at Risk”	\$6,300.00
3.3	Technical Memorandum of Flood Impacts to SCWA	\$7,110.00
	Project Subtotal	\$46,220.00
4.0	Additional Analyses to support Solano County & Vacaville	\$18,780.00
	Total Budget (Not to Exceed)	\$65,000.00



Hydrology | Hydraulics | Geomorphology | Design | Field Services

ESTIMATED PROJECT BUDGET SUMMARY
Ulati System Post-Fire Flooding Assessment
cbec Project # P20-70

Task #	Task Description		Subtotal
1.1	Case Study for the Alamo Creek Watershed	\$	2,780.00
1.2	Expanding Model to Entire Ulati Creek System	\$	13,510.00
2	Scaling of HEC-1 Model Outputs	\$	7,910.00
3.1	Precipitation thresholds for post-fire flooding	\$	8,610.00
3.2	Flood Impacts to identified "Values at Risk"	\$	6,300.00
3.3	Technical Memorandum of Flood Impacts to SCWA	\$	7,110.00
		Labor Fee	\$ 46,220.00
		Reimbursables	\$ -
		Subconsultant(s)	\$ -
		Total Project Budget	\$ 46,220.00



Hydrology | Hydraulics | Geomorphology | Design | Field Services

ESTIMATED LABOR FEES
Ulati System Post-Fire Flooding Assessment
cbec Project # P20-70

Unless expressly provided within the contract, rates are subject to increase annually on January 1 of each year.

Task #	Senior Scientific Advisor	President / Managing Director	Director	Senior Ecoengineer III Senior Ecohydrologist III	Senior Ecoengineer II Senior Ecohydrologist II	Senior Ecoengineer I Senior Ecohydrologist I	Ecoengineer II Ecohydrologist II	EcoEngineer I EcoHydrologist I	Technician II	Technician I	Clerical / Admin. / Graphic Design	Subtotal Labor Hours Per Task	Subtotal Labor Fee Per Task
	\$320	\$270	\$250	\$225	\$195	\$175	\$160	\$140	\$125	\$95	\$90		
1.1		2					14					16	\$ 2,780.00
1.2		3					75	5				83	\$ 13,510.00
2		3					40	5				48	\$ 7,910.00
3.1		3					40	10				53	\$ 8,610.00
3.2							35	5					\$ 6,300.00
3.3		3					35	5				43	\$ 7,110.00
	0	14	0	0	0	0	239	30	0	0	0	243	\$ 46,220.00

SOLANO COUNTY WATER AGENCY



MEMORANDUM

TO: Board of Directors

FROM: Roland Sanford, General Manager

DATE: October 2, 2020

SUBJECT: October 2, 2020 General Manager's Report

LNU Post Fire Remediation Activities

Installation of LNU post fire remediation activities remain the top priority for staff as we approach the rainy season. Once the rains begin the focus will shift toward water quality and debris monitoring. On September 28 the first of up to 32 rock vanes was installed on lower Pleasants Creek. Planning is underway for the installation of rock vanes in Thomson and Cold canyons, both of which empty into Putah Creek just downstream of Monticello Dam, should the rainy season be delayed and staff resources permit.

Included on the October Board Agenda is a proposed consultant contract for computer modeling of pre and post-fire runoff conditions upstream of the Ulati Flood Control Project channels. As fate would have it, one of the few locales that experienced high-intensity fire activity within the LNU fire burn area is the headwaters of the Ulati Flood Control Project. Conditions are now ideal for elevated amounts and rates of storm runoff. In addition to the City of Vacaville, these headwaters areas also drain toward Allendale and surrounding flood prone areas. The purpose of the proposed pre and post-fire computer modeling analyses is to evaluate the extent to which post-fire runoff rates can be expected to exceed pre-fire runoff rates, information that can be used for early flood warning purposes and potential flood risk damage assessments.

As of this writing, long-range weather forecasts by the National Weather Service are tilting slightly toward a below average rainy season in 2020-2021 – good news.

Grant Award for Lower Putah Creek

On October 1 we received word that the Natural Resources Agency has awarded the Water Agency \$750,000 for the expansion of Chinook Salmon spawning habitat in Lower Putah Creek. The Water Agency's project was just 1 of 15 that received funding.

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



**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 (\$45,000 and less) –

Professional Service Agreements (\$45,000 and less) -

Local Government Commission – Civic Spark - \$26,000

TRPA Fish Biologist – 2020 Lower Putah Creek Annual Fall Monitoring - \$30,400

TRPA Fish Biologist – 2020 Putah Creek/Pleasants Creek Water Temp - \$4,000

Non-Professional Service Agreements (\$45,000 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.

WATER ADVISORY COMMISSION UPDATES

Solano Water Advisory Commission
Meeting Minutes
July 22, 2020

Present: Roland Sanford, Chris Lee, Thomas Pate, Alex Rabidoux, and Jeff Barich; SCWA; Felix Riesenberger, Fairfield; Justen Cole, Vacaville; Kyle Ochendusko, Benicia; Beth Schoenberger, and Mark Quady, Vallejo; Cary Keaten, SID; Misty Kaltreider, Solano County; Talyon Sortor, FSSD; Bryan Busch, RD 2068.

The meeting was called to order at 12:31 PM. The agenda was updated, with several NBA-Cache Slough items discussed first.

1. NBA & Cache Slough Issues

Thomas provided an update on DWR SWP reliability numbers for the various UWMPs. The SWCs had some additional feedback, which DWR agreed to extend the review period, before releasing the final SWP reliability numbers. On the Cache Slough HCP, Misty will be taking the lead and coordinating for the various Solano County interests. The NBA will not be included in the Cache Slough HCP.

2. Approval of Minutes

The minutes of the June 24, 2020 meeting were approved.

3. SCWA General Manager's Report

Roland informed the Commission, that the August Board meeting will be cancelled. For the NBA, Roland will be meeting with DWR high-level management next Monday, to discuss the implications of DWR's NOD interpretation. SCWA staff also met with DWR management last Monday, to discuss the NBA AIP and Cache Slough HCP. DWR did provide a solid explanation on why they did not want to include the NBA in the HCP process, primarily as it sets a challenging precedent to break up the SWP facilities. Additionally, facilities cannot receive dual coverage, which is what would occur if the NBA was included in the HCP, as it is already covered by the SWP Incidental Take Permit. DWR also identified that the Cache Slough HCP will likely only provide 10 to 20-year protection, because of the large uncertainties in the Delta for ESA listed species. On the NBA AIP, DWR did not have anything significant to add, indicative that this was not likely a high priority for DWR. For the Bay-Delta Voluntary Settlement Agreements, everything has been fairly quiet. Nothing to report on Solano Project, flood control, or other stage/regional issues.

4. Groundwater Planning

Chris informed the Commission that the initial Groundwater Sustainability Plan (GSP) documents were just released. Over the next few months, several sections of the GSP will be released as well.

5. Solano County Report

Misty provided a quick update to the Commission, adding on to several of Thomas's comments in regards to the Cache Slough HCP. The County will be reaching out to both Vallejo and RD 2068 in regards to the HCP. There is also a very short time

frame to get the HCP completed. For Flannery Associates, additional purchases have been made, with total ownership up to 27,000-acres.

6. PSC/NBA Maintenance

Update on DWR generator. DWR has pushed out 1-year to June-2021. Benicia and Vallejo were both comfortable with this, as there is still a standby generator onsite. This will also provide another 1-2 years of data for the standby generator. Fairfield would like a pipeline integrity test done of the NBR turnout.

7. Legislative/Initiative/Court Decision Issues Not Discussed Above

None

8. New Business

None

9. Public Comments

None

The next meeting will be August 26, 2020 at 12:30 PM.

The meeting adjourned at 12:56 PM.

ACTION OF
SOLANO COUNTY WATER AGENCY

DATE: October 8, 2020

SUBJECT: Review of Flood Management Policy

RECOMMENDATIONS:

Hear presentation and provide direction to staff.


FINANCIAL IMPACT:

None.

BACKGROUND:

On December 13, 2018 the Board adopted the Flood Management Policy (attached), which among other things includes provisions for periodic – at least annually – Board review and potential revision. The Flood Management Policy was most recently revised on July 11, 2019 to memorialize the long standing role of the Flood Control Advisory Committee.

The recent LNU Lightning Complex fire (LNU Fire) has highlighted a long-standing concern and the topic of extensive conversations during development of the Flood Management Policy – the accumulation of vegetation and debris in stream channels in the unincorporated, privately owned, properties. Prior to the LNU Fire the accumulated vegetation and debris was largely viewed as a flood risk. It is now clear that such accumulations can also provide a conduit for fire.

Recommended: 
Roland Sanford, General Manager

<input type="checkbox"/>	Approved as Recommended	<input type="checkbox"/>	Other (see below)	<input checked="" type="checkbox"/>	Continued on next page
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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 October 8, 2020 by the following vote:

Ayes:

Noes:

Abstain:

Absent:

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

To date, efforts to remove vegetation and debris from even intermittently flowing stream channels have been hampered by regulatory restrictions, limited funding, and limited authority to enter private property and/or compel private landowners to remove vegetation and debris. While all three; regulatory restrictions, limited funding, and limited authority to enter private property and/or compel landowners to remove vegetation and debris represent significant hurdles, arguably the most significant impediment to any systematic approach to debris removal is the latter, limited authority to enter private property and/or compel landowners to remove vegetation.

As mentioned earlier, the LNU Fire has cast a new light on the issue of accumulated “in-channel” vegetation and debris on private property, particularly in the unincorporated portions of the County. At the very least, the LNU Fire and the need for stepped up fire protection and management across the State in general may provide a vehicle for additional long-term funding to support removal of in-channel vegetation and debris removal, and possibly some regulatory accommodations.

During the Flood Management Policy Committee meetings that cumulated with the Board’s adoption of the current Flood Management Policy there were extensive discussions regarding the authority of a government agency to access private property and consideration given to the adoption of a County ordinance that would allow such access. In the end the idea of a County ordinance or any other mechanism that would expand existing government authorities to access private property and/or compel landowners to remove vegetation and debris was tabled, and the Flood Management Policy Committee instead focused on mechanisms for incentivizing landowner participation in vegetation and debris removal projects. Given the complexities associated with private property rights versus government oversight, landowner incentives are likely to remain the best available option for accomplishing in-channel vegetation and debris removal projects on private property.

Staff is seeking Board direction regarding potential revisions to the current Flood Management Policy in view of the recent LNU Fire and more specifically, the fire management implications of in-channel vegetation and debris accumulations.

RELEVANCE TO 2016-2025 SCWA STRATEGIC PLAN:

Defining the Water Agency’s future role in flood management and development of a Flood Management Policy is one of the stated goals of the 2016-2025 SCWA Strategic Plan.

SOLANO COUNTY WATER AGENCY



Flood Management Policy (Adopted December 13, 2018) (Revised July 11, 2019)

Introduction

The Solano County Water Agency (SCWA) Board of Directors recognized the need to define SCWA's role in flood management and included that need in their 2016 – 2025 Strategic Plan (Goal #3, Objective B).

Goal #3: Flood Management: Implement SCWA's role in flood management.

B Define SCWA's role in flood management.

SCWA's Water Policy Committee was tasked with developing a draft policy for consideration and approval by the full Board. The following represents the Committee's best thinking.

Overview

There currently is no one agency responsible for flood management in Solano County. Responsibility for flood management runs the gamut from areas of overlapping jurisdiction to areas not actively served by flood management agencies. Additionally, there is no consistent coordination between upstream and downstream users. Given that one person's drainage has the potential to be another person's flood, the need for coordination is evident.

The Committee recognizes that the residents of the County would benefit from a regional approach to flood management, and that SCWA is well positioned to facilitate, coordinate, communicate and collaborate with the County and the cities, irrigation districts, reclamation districts, and resource conservation districts (hereafter called "stakeholder agencies¹") and other interested parties within Solano County. Currently, SCWA is responsible for operations and maintenance of the Ulatis Flood Control Project and the Green Valley Flood Control Project. SCWA also has authority to deal with flood control matters within the boundaries of SCWA, though SCWA is not a first responder.

¹ Stakeholder agencies include: Solano County; the cities of Benicia, Dixon, Fairfield, Rio Vista, Suisun City, Vacaville, Vallejo; Reclamation District 2068; Maine Prairie Water District; Solano Irrigation District; Dixon Resource Conservation District (RCD); Solano RCD; and Suisun Marsh RCD.

The Water Policy Committee makes the following policy recommendation for consideration and approval by the SCWA Board. To aid the reader, a list of acronyms and a glossary of terms related to flood management can be found on pages 6 - 13.

Policy Purpose

The purpose of this policy is to replace the current piecemeal approach to flood management with a regional approach. This policy applies to the entire county including cities and the unincorporated areas, and is based on:

1. Commitment to working together and voluntary compliance with the recommendations.
2. Encouraging communications with stakeholder agencies and other interested parties.
3. Creation of a system-wide approach to flood management.
4. Avoiding delays in obtaining permits such as grading, drainage, and/or stormwater.
5. Avoiding unintended consequences of drainage and flood management.

Proposed Policy

To achieve a more regional approach, SCWA will, in concert with the stakeholder agencies and other interested parties:

1) Update the Master Drainage Plan and Revise the Hydraulic Design Manual

The purpose of the Master Drainage Plan is to provide information and guidance to anyone involved in flood management including stakeholder agencies, flood managers, planners, engineers, developers, and the public. The Hydrology Manual is a technical manual used for design of drainage and flood control facilities. Activities include:

- a) Update the Master Drainage Plan to include:
 - i) Inventory of facilities and capacities including:
 - (1) Identification of historic flood plains, agricultural and joint-use drainage ditches, levees, and flood control projects.
 - (2) Identification of joint-use and other multi-purpose facilities.
 - (3) Qualitative analysis of system including:
 - (a) Identification of system design capacities, if known.
 - (b) Deficiencies when operating at design capacity.
 - (c) Rank areas of most vulnerability.
 - ii) Identification of repetitive loss properties in the entire County.
 - iii) Addressing water quality programs including National Pollutant Discharge Elimination System (NPDES) stormwater requirements, and Irrigated Lands Program.

- iv) Definition of jurisdictional responsibilities including each agency and district's roles and responsibilities – and geographical area served.
- v) Identification of SCWA and stakeholder agency committees, their purpose, membership, and how they operate (see #3 and 4).
- b) Revise and update Hydraulic Design Manual.
- c) Identify and Map jurisdictional areas based on watershed.

2) Facilitate a process, with preference for early consultation, to review new projects, development proposals, expansion projects and change of land use projects within the entire County that might contribute to flooding

Currently, not all jurisdictions that may be affected by drainage system modifications, development or change of land use are aware of pending plans in other jurisdictions. Only after the completion of the project are downstream users acquainted with any drainage or flood impacts – at which point it is too late or expensive to redesign the project. The goal of this process is to provide an easy and efficient method for notifying stakeholder agencies and organizations and allow each the opportunity to review potential land use changes and analyze the flood impacts of the project. The desired outcome is to manage flooding to protect lives and property through better communications and early identification of issues. To achieve this outcome:

- a) SCWA would act as a “clearinghouse” to disseminate project notifications.
 - i) All stakeholder agencies would submit “Project Notification and Request for Review” and maps of any applicable projects to SCWA.
 - ii) SCWA would send out the notification to the flood management Point of Contact (POC) in each stakeholder agency – along with contact information of the originating jurisdiction.
 - iii) To confirm notification and review, stakeholder agencies would respond to the project proponent, with a copy to SCWA, commenting that the project would likely have:
 - (1) No Impact,
 - (2) Minor Impact,
 - (3) Major Impact – and request the full packet of information.
 - iv) It would be up to the individual stakeholder agency to submit comments and/or attend the originating jurisdiction's review meeting.
- b) Once the County's watershed boundaries are mapped, future notifications could be tailored to only agencies within a specific watershed.

3) Convene Flood Management Technical Working Group

A group of multi-disciplined experts including engineers, land use planners, scientists and flood managers from the stakeholder agencies would serve a multitude of purposes. SCWA would convene a Technical Group to:

- a) Advise the Water Policy Committee as requested (see #7).
- b) Review Master Drainage Plan (see #1).
- c) Develop BMPs for stream channel maintenance (see #5).
- d) Review the potential for expansion of flood management facilities.
 - i) Recommend alternatives for future growth.
 - ii) Determine life-cycle costing of upgrades and new facilities.
- e) Discuss flood management issues and create recommendations to reduce flooding using a system-wide approach including drainage ditches, floodplain management and other strategies.
- f) Develop criteria and score regional projects (see #4.a.ii).
- g) Coordinate the flood management message to the public (See #6) by developing ideas and reviewing drafts.
- h) Initially meet monthly.

4) Maintain Flood Control Advisory Committee and sustain Committee functions

The Flood Control Advisory Committee was created in 1998 to advise SCWA on flood control activities and provide a forum for hearing landowner flooding concerns. Within recent years the Committee has focused on flooding issues in the unincorporated portions of the County. Moving forward, the Committee will:

- a) Continue to advise SCWA on flood control activities.
- b) Continue to provide a forum for hearing landowner flooding concerns.
- c) Work with Flood Management Technical Working Group (see #3), Solano Resource Conservation District, and SCWA staff.
 - i) Assist County/cities/agencies/private property owners (see #5)
 - ii) Coordinate flood management message to the public (see #6)

5) Assist County/cities/agencies/private property owners

SCWA has resources to assist local government entities and private property owners with leveraging resources, lobbying, and securing permits. Recommended activities include:

- a) Leverage resources to fund large flood management projects.

- i) Review standing policy (i.e., fund up to 1/3 of capital costs) – and revise as necessary.
 - ii) Use Flood Management Technical Committee (#3) to develop criteria and score projects.
 - iii) Tie funding to outcome-based projects.
 - iv) Include other public benefits (including groundwater recharge, habitat, etc.)
 - v) Advocate on behalf of cities, agencies, and County as requested. Efforts could include support for levee maintenance, creek and drainage clearing, permitting or other.
 - vi) Promote coordination with other regulatory and non-regulatory programs to minimize duplicative work.
 - vii) Secure permits including regional permits and assist/consult with individual landowners to implement projects that fall within the regional permit.
- b) Continue funding existing programs (Small Grant Program to assist landowners with localized flood management issues, Sweeney Creek Home Raising Program to elevate homes in flood prone areas, funding and technical assistance for development of local and regional watershed management plans and technical studies).
 - c) Expand Small Grant Program to include additional assistance with the acquisition of regulatory permits.
 - d) Conduct annual “call for projects” each spring to solicit funding requests for projects that can be funded through the Water Agency’s various grant funding programs (see #4.a,b,c).
 - i) Use Flood Management Technical committee (see #3) to review and rank project proposals, and make funding recommendations to Water Agency Board of Directors.

6) Develop County-wide recommended Best Management Practices (BMPs) for preservation of flood conveyance capacity of natural watercourses

Compliance with the BMPs would be voluntary – but highly encouraged. This recommendation includes:

- a. Creation of Best Management Practices (BMPs) for stream channel maintenance including vegetation management, sediment removal and bank protection.

- b. Highlighting the connection between BMP compliance and consistency with regional permits.
- c. Creation of implementation recommendations that comply with regional permits.
- d. Encourage planning that recognizes and discourages over subscription of available capacity.

7) SCWA to lead resident/landowner education

Rather than have each jurisdiction duplicate efforts, SCWA is in a position to create educational materials to address flood protection, and promote BMPs for channel and streambed maintenance. The Flood Management Technical Group (#4) would consult on the development of the materials, which would be made available for use by any of the stakeholder agencies.

- a. Main Theme: Be Neighborly - emphasizing downstream responsibilities.
- b. Sponsor community engagement and education in coordination with the RCDs.

8) Incorporate Adaptive Management Strategies

Changing conditions require the need to review and revise policies as necessary. The SCWA Water Policy Committee is well suited to fulfill this function. The Water Policy Committee will review flood management policies at least annually, and address any immediate concerns as required.

ACRONYMS

BMP	Best Management Practice
CCR	California Code of Regulations
CDFG	California Department of Fish and Game
CDPR	California Department of Pesticide Regulation
CEQA	California Environmental Quality Act
CIP	Capital Improvement Project
Corps or USACE	U.S. Army Corps of Engineers
CWA	Clean Water Act
DO	Dissolved Oxygen
EIR	Environmental Impact Report
EPA or USEPA	U. S. Environmental Protection Agency
ESA	Federal Endangered Species Act
FCAC	Flood Control Advisory Committee
GIS	Geographic Information System
ISA	International Society of Arboriculture
LWD	Large Woody Debris
MOU	Memorandum of Understanding
MS4	Municipal Separate Storm Sewer Systems
NAHC	Native American Heritage Commission
NHPA	National Historic Preservation Act of 1966
NMFS	National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPS	Nonpoint source
NRCS	Natural Resources Conservation Services, a division of the U.S. Department of Agriculture
OHWM	Ordinary High Water Mark
PCN	Preconstruction Notification Report
PRC	California Public Resources Code
RMA	Routine Maintenance Agreement
RWQCB	Regional Water Quality Control Board
SHPO	State Historic Preservation Officer
SMP	Stream Maintenance Program
SWRCB	State Water Resources Control Board
TMDL	Total Maximum Daily Loads
USACE	U.S. Army Corps of Engineers
USEPA	U. S. Environmental Protection Agency
USFWS	U.S. Fish and Wildlife Service

WDR Waste Discharge Requirement

GLOSSARY OF SIGNIFICANT TERMS

Adaptive management	Learning from experience by adjusting management practices based on the feedback received through monitoring.
Alluvial fan	A landscape feature that is formed by the accumulation of sediment and organic material deposited by flowing water, and formed at the point where a stream enters a valley or plain or another, larger stream.
Amphibian	A cold-blooded vertebrate that spends some time on land but must breed and develop into an adult in water. Frogs, salamanders, and toads are amphibians.
Anadromous fish	Fish that are born and rear in freshwater, move to the ocean to grow and mature, and return to freshwater to reproduce. Salmon, steelhead, and lamprey eel are examples of anadromous species.
Armoring	Protective coverings or structures (natural or man-made) used to dissipate the erosive energy of water.
Atmospheric River	Atmospheric rivers are relatively long, narrow regions in the atmosphere – like rivers in the sky – that transport most of the water vapor outside of the tropics.
Bank failure	Occurs where a significant portion of the streambank has failed, slumped, eroded into the creek below, or has been removed entirely.
Bank stabilization	The act of preventing erosion or repairing an eroded bank in order to provide a stable streambank.
Bedform	A feature of a river or other flowing body of water that is formed by the movement of sediment and other material due to the flow of water.
Best Management Practices (BMPs)	A technique or series of techniques, which is the best known practice available to be effective in protecting water quality and stream habitat.
Brackish water	Somewhat salty, especially from being a mixture of fresh and salt water.

Channel	A stream, river bed or constructed ditch; generally refers to the physical form where water commonly flows.
Channel reach	See: Stream reach.
Climate change	Climate change is a change in the usual weather found in a place.
Cofferdam	A temporary watertight structure that is pumped dry to enclose an area underwater and allow construction work to be carried out.
Culvert	A transverse drain, usually a metal pipe, set beneath the road surface which drains water from the inside of the road to the outside of the road. Culverts are used to drain ditches, springs, and streams across the road alignment.
Detritus	Organic debris formed by the decomposition of plants or animals; fragments of rock that have been worn away.
Dewatering	The temporary diversion of water away from a work site to protect water quality and allow progression of work. Diversion is accomplished with coffer dams, pipes, or other means. Water is removed from the work site only, and not the entire stream or body of water.
Downed tree	Trees and large branches that naturally fall into stream channels. Such debris can promote recruitment of woody in channels to benefit instream habitat. However, downed trees may threaten flood conveyance capacity or channel stability.
Drainage basin	See: Watershed.
Drop inlet	A vertical riser on a culvert inlet, usually of the same diameter as the culvert, and often slotted to allow water to flow into the culvert as streamflow rises around the outside. Drop inlets are often used on stream or ditch relief culverts where sediment or debris would otherwise threaten to plug a traditional horizontal inlet.
Easement	A limited right to make use of a property owned by another, e.g. a right of way across the property.
Ecology	The study of the relationships between living organisms and their interactions with their natural or developed environment.

Emergency	<p>“A sudden, unexpected occurrence, involving a clear and imminent danger, demanding immediate action to prevent or mitigate loss of, or damage to, life, health, property or essential public services. Emergency includes such occurrences as fire, flood, earthquake, or other soil or geologic movements, as well as such occurrences as riot, accident, or sabotage.” (CEQA 15359).</p>
Endangered Species	<p>Any species which is in danger of extinction throughout all or a significant portion of its range; an official designation of the California and/or Federal Endangered Species Acts.</p>
Erosion	<p>The wearing away of land surface primarily by wind or water. Erosion occurs naturally as a result of weather or runoff, but can be intensified by clearing, grading, or excavation of the land surface. Erosion usually refers to processes of surface erosion (rain drop erosion, rilling, gullying, and ravelling) and not to mass soil movement (landsliding).</p>
Erosion protection	<p>The act of preventing erosion from occurring or repairing an eroded bank in order to provide a stable streambank that will not require additional maintenance in the foreseeable future</p>
Floodplain	<p>A nearly level alluvial plain that borders a channel and is occasionally inundated by floods (unless artificially protected). The landform is formed by sediment transport and deposition from flows over the streambank and lateral movement of the stream. The ‘100-year floodplain’ represents the area potentially inundated for an unusual but possible flood event with the probability of occurring once every 100 years on the average.</p>
Fluvial Geomorphology	<p>A science devoted to understanding how the natural setting and human land use in a watershed determine the shape of the river channel.</p>
Geographic information system (GIS)	<p>A computer system designed for storing, manipulating, analyzing, and displaying data in a geographic context, usually as maps.</p>
Geomorphology	<p>The study of the physical features of the surface of the earth, including their form, nature, origin, and development. See also fluvial geomorphology.</p>
Groundwater	<p>The standing body of water beneath the surface of the ground, consisting largely of surface water that has seeped down into the earth.</p>

Hardscape	Inanimate, engineered elements of landscaping, such as rock.
Headwater	The place from which the water in the river or stream originates.
Hydraulic roughness	The amount of frictional resistance water experiences when passing over land and channel features.
Hydrologic unit	A drainage area delineated to nest in a multi-level, hierarchical drainage system. Its boundaries are defined by topographic criteria that delineate an area of land upstream from a specific point on a river, stream, or similar surface waters.
Hydrology	The scientific study of the properties, distribution, use, and circulation of the water on Earth and in the atmosphere in all of its forms.
Hydromodification	The "alteration of the hydrologic characteristics of waters, which in turn could cause degradation of water resources (source: EPA).
Invasive species	Species that show a tendency to spread out of control.
Large woody debris (LWD)	Portions of downed trees, such as large branches and root wads, that collect in the stream and provide channel structure and habitat for aquatic animals.
Levee	An embankment built to prevent the overflow of a river.
Life cycle cost	The cost of an asset that includes the initial (projected) capital costs, projected life-time operating costs, projected life-time maintenance costs, projected capital rehabilitation costs, projected disposal costs, and projected residual value.
Limbing	The removal of unwanted branches from a tree.
Loppers	A large type of scissors used for pruning twigs and small branches. They are usually operated with two hands.
Microclimate	A microclimate is the climate of a small, specific place within an area as contrasted with the climate of the entire area. For example, a small sunny area that is sheltered from harsh winds and frost of the surrounding region. Such a microclimate provides a different habitat than its surroundings.

Ordinary High Water Mark	“That line on the shore established by the fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding area.” [33 CFR 328.3(e)]
Outfall	The location where discharge from a culvert (drainage pipe) occurs.
Propagule	Any of various usually vegetative portions of a plant, such as a bud or other offshoot, that aid in dispersal of the species and from which a new individual may develop.
Pruning	To cut branches away from a plant to manipulate growth.
Reach	See: Stream reach.
Refugia	An isolated place of relative safety from danger and hardship used by aquatic species, such as fish; the only remaining high quality habitat within an area.
Riffle	An area of rocks or a sandbar lying just beneath the surface of the water.
Rip-rap	Large rocks or other suitable material placed on the ground or along streambanks as an armoring device to prevent or reduce erosion.
Riparian	The banks and other lands adjacent to lakes, watercourse, estuaries, and wet areas. Often refers to water-loving vegetation along the water’s edge.
Runoff	Rainfall which flows overland across the surface or hillslopes and along roads and trails.
Salmonid	A species of fish that is a member of the salmon and trout family. Also see: Anadromous fish.
Scour	To clear something out by passing water through it; a place that has been scoured, especially by water.
Sea level rise	An increase in the volume of water in the world’s oceans, resulting in an increase in global mean sea level.
Sediment	Organic or inorganic material that is carried or suspended in water and that settles out to form deposits in the stream system or receiving waters.
Shade tolerance	A plant's abilities to tolerate low light levels.

Silt fence	A constructed barrier used to contain soil eroded from a construction site. The barrier is made from filter fabric stretched between fence posts placed on contour along a slope.
Siltation	Fine-grained sediment, especially of mud or clay particles at the bottom of a river or lake.
Species of Special Concern	A designation used by California (CSC) and federal (FSC) agencies to refer to those species of animals (and sometimes plants) that have declining population levels, limited ranges, and/or continuing threats that have made them vulnerable to extinction. They may soon reach the point where they meet criteria for listing as threatened or endangered under the State and/or Federal Endangered Species Acts. No special legal protections are associated with this designation alone.
Storm water	The runoff generated when precipitation from rain and snowmelt events flows over land or impervious surfaces without percolating into the ground.
Stream	A natural waterway that transports water in a perennial, intermittent, or ephemeral circumstance.
Streambank	That portion of the channel bank cross-section that controls the lateral movement of water.
Streambank erosion	A natural process driven by stream bank characteristics (erodibility) and hydraulic/gravitational forces. Many land use activities can affect both of these components and lead to accelerated bank erosion. Acceleration of this natural process leads to a disproportionate sediment supply, stream channel instability, land loss, habitat loss and other adverse effects.
Streambank stabilization	See: Bank stabilization.
Stream channel incision	The deepening of the channel of a stream by erosion.
Stream reach	A continuous portion of a stream between two designated points.
Swale	A depression or low area on a hillslope which rarely carries runoff except during high rainfall events.
Terrace	A low-gradient surface formed by fluvial aggradation or erosion when the stream flowed at a higher elevation in the landscape. The term implies that the surface is rarely inundated by floods in the current climate.
Thalweg	The line of lowest elevation within a valley or watercourse.

Threatened Species	Any species which is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range; an official designation under the California and/or Federal Endangered Species Acts.
Toe-of-slope	The base of an embankment; the base of the streambank where it meets the channel bed.
Total Daily Maximum Load	A process under the federal Clean Water Act that provides a tool for implementing State water quality standards and is based on the relationship between pollution sources and instream water conditions.
Tree snags	A dead or dying tree that is still standing in place.
Tributary	A stream or river that flows into a larger stream, river, or lake.
Turbidity	Water that is cloudy or muddy usually due to suspended sediment.
Understory	Lower vegetation in a forest; a layer of small trees and bushes below the level of the taller trees.
Water quality	A measure of the suitability of water for a particular use based on selected physical, chemical, and biological characteristics.
Watershed	The area or drainage basin contributing water, organic matter, dissolved nutrients and sediments to a stream or lake.

WATER POLICY UPDATES

North Bay Watershed Association

Draft Summary - the North Bay Watershed Association (NBWA) Board of Directors.

Date: Friday, September 11th, 2020 – 9:30 a.m. to 11:35 a.m. Location: Zoom call

Directors or Representatives Present Included:

Board Member	Agency/Organization	Board Member	Agency/Organization
Michael Boorstein	Central Marin Sanitation Agency	Megan Clark/ Judy Schriebmen	Las Gallinas Valley
Pam Meigs	Ross Valley Sanitary District	Jack Gibson	Marin Municipal WD
Amy Peele	City of Novato	Jean Mariani	Novato Sanitary District
Mary Sackett	Marin County	Rick Fraites	No. Marin Water District
Elisabeth Patterson	Solano Co. Water	Paul Jenson	City of San Rafael
Ryan Gregory	Napa Sanitation Dist.	Grant Davis	Sonoma Water
Leon Garcia	Napa Co. Flood Control & Conservation Dist.	Rob Carson	MCSTOPP

1. Call to Order – Jack Gibson called the meeting to order at 9:32 am via Zoom.
2. Public Comment - No public comment.
3. And 4. Approval of Agenda and June 2020 Summary. 5. Accepted Treasure's Report

Judy reviewed the Treasures Report and explained the situation that after our vendor, Brown Paper Tickets, went out of business, NBWA sent checks to those who requested refunds from the April conference. Larry R. suggested we go after any insurance if possible and that we should consider having third parties bonded in the future. Frances explained that there was no insurance. The memo for item 5 covers this issue.

6. NBWA Re-Oaking Project 9:45 am - Frances Knapczyk Napa RCD and Sean Baumgarten SFEI.

Frances opened the presentation on the North Bay Re-Oaking project, which was funded by NBWA. Frances said she would be happy to send hard copies of the Strategy to anyone who wants one. She began by reminding us that the native peoples managed over 40,000 acres of North Bay oak woodlands. We have lost 99% of those woodlands. Several years ago, the Napa RCD began working with landowners to replant oaks on their property. In 2017 we lost oaks in the catastrophic fires, and that resulted in many agencies and institutions being interested in replacing those iconic oaks. NBWA provided funds to create a plan for re-oaking the region in 2018.

Sean Baumgarten of SFEI described the development and outcome of the strategy. Sean explained the history of these woodlands based on the work SFEI has done on historical ecology of the region. He mentioned that the native people used fire as a management tool. There has been a disproportionate loss of the valley oak species, which was the dominant species in the region.

The goal of the work is to provide a scientifically-based strategy for replacing these trees. SFEI looked at oak surveys and then contrasted them to historical photos to see where the big oaks have been lost. They also identified where large oaks are still present - large oaks provide outsized ecological benefits. They found that creek corridors provide natural pathways to help with connectivity. They looked at soil and depth-to-groundwater as possible constraints. Possible strategies include expanding existing nodes; increase density within nodes; created corridors along creeks; widening existing corridors; restoring areas of historical loss, such as along alluvial fans. Sean reminded the group that it is equally important to protect existing oaks. He showed graphics about what these proposed strategies would look like on the landscape. Jack asked about the reason for the steep loss of oaks. Sean responded that 19th century logging and 20th century house building and urban development were all causes that came in waves over time. Paul asked if irrigation had an effective on the loss of oaks and Sean replied probably but a lesser impact than logging and house building. Larry asked about sudden oak death. Sean replied that it affects coast live oak and others, but not the valley oaks.

Frances talked about the current re-oaking work at the Napa RCD and next steps. The RCD is making an effort to reach out to partner organizations, which have connections to landowners. The RCD sees a lot of opportunities along fence lines and vineyards. They are planning a targeted outreach effort directly from the RCD and are working on some virtual events and looking forward to in-person events where the strategy can be expanded. Ryan asked what have we learned about replanting and replacing oaks. Frances talked about the method they have used successfully over the past 8 years using acorns and protecting the young oaks with caging. The Sonoma RCD has had less funding but is interested in doing this work.

Elizabeth asked Napa RCD to do a presentation on this for Solano. Rick asked what percent of possible replanting areas is agricultural land? Frances said they have been working in the ag preserves in many cases. Approximately 80% of the valley floor is still in ag. Judy S. asked how long the seedlings were monitored to see if they are surviving. Frances mentioned they created a citizen's science group to do some of this work. The oak seedlings are not irrigated. They hope to visit each tree planted to check survival. Amy asked if they aware of independent organizations working on this and if private donations come in and mentioned that high school students are looking for work to do in the climate world and wondering how to get them involved. Frances talked about how they train and work with students and mentioned an internship they have working with the acorn distribution.

Item 7. Proposed reduction in dues. Judy explained the details in the associated Memorandum regarding the proposed reduction of dues of 20% for one year. Larry proposed that those who can pay the full dues be welcomed to do so. The amended proposal was approved with the two-part invoice proposal.

Item 8. MMWD contract for Andy Rodgers, West Yost. Judy explained the outlines of the proposed new contract for Andy Rodgers with West Yost as described in the associated Memorandum. The contract was approved.

Item 9. Ken Schwarz, Horizon Water. Ken presented a series of slides that reviewed the work that has been underway for the past few months to define additional details on opportunities to do more integrated work across the region on One Water issues. Ken went over the list of agencies and individuals who were interviewed in this round. The interviewees were asked if any good One Water examples came to mind and other questions which will be summarized in a draft and final memo to the Board after input from the JTC.

Pam M. asked about what would be envisioned with a regional BMP? Ken responded that, for example, re-vegetation work across the region could be consolidated more through permitting. Jean commented on the slide about the sewer agencies not being concerned with Sea Level Rise and pointed out that most of the facilities are at the bottom of the basin. Megan asked if there would be iterations of the work- Judy K. replied yes. Elizabeth mentioned that One Water is an international concept and not proprietary term in any way. She mentioned that we should also tap into tribal knowledge about historical fire management as part of the effort.

Item 10. Farewell and Welcome. Judy said her goodbyes to the Board and thanked them for the honor of being the Executive Director for the past 5 years, and the Board thanked her. She then turned it over to Andy Rodgers who reviewed some of the online resources on how to learn about the extent of the North Bay fires and what some of our partners are doing to prepare to evaluate the impacts of the fires and the actions.

Item 11. Announcements and Adjournment Meeting adjourned at 11:35

Next Meeting: October 2nd, zoom

SUBMITTED BY: Judy Kelly, Executive Director, NBWA



North Bay Watershed Association

Board Meeting Notice

Oct 2nd, 2020

Zoom call

Next Meeting

Nov. 6th 2020

Zoom

Board Meeting Agenda

- 1. Call to Order/Introductions** 9:30 am
Jack Gibson, Chair
- 2. Public Comment**
- 3. Approval of Agenda** 1 min.
Proposed Action: Approve
- 4. Approval of Sept. 11th Summary** 1 min.
Proposed Action: Approve
- 5. Treasure's Report** 3 min.
Proposed Action: Accept
- 6. Executive Director Introduction** 9:45 am
Andy Rodgers, ED
Andy will provide an introduction and overview perspective of his new role as ED intending to invite dialogue and prompt scheduling follow-up conversations with individual member agencies.
- 7. North Bay Groundwater Sustainability Plans** 10:10 am
Information
Ann DuBay, Administrator, Sonoma Valley and Petaluma Valley GSAs, and Vicki Kretsigner, Luhdorff & Scalmanini, Napa County GSA
Ann and Vicki will provide status overviews of the groundwater sustainability planning elements, processes, and outreach taking place in each of the three groundwater basins as required by California's Sustainable Groundwater Management Act.
- 8. NBWA Information Sharing** 11:00 am
Board Members
Members will highlight issues and share items of interest.
- 9. Agenda Items for Future Meetings** 11:15 am
Andy Rodgers, ED
Andy will outline ideas for next and future Board meeting topics and solicit feedback.
- 9. Announcements/Adjourn** 11:25 am