

Lake Elsinore & San Jacinto Watersheds Authority



City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

LESJWA BOARD OF DIRECTORS REGULAR MEETING

EVMWD, 31315 Chaney Street, Lake Elsinore, CA 92531

Board of Directors:

Brenda Dennstedt, Chair, Santa Ana Watershed Project Authority
Phil Williams, Vice Chair, Elsinore Valley Municipal Water District
Kasey Castillo, City of Canyon Lake
Robert Magee, City of Lake Elsinore
Kevin Jeffries, County of Riverside

THURSDAY, OCTOBER 17, 2019 – 4:00 P.M.

AGENDA

1. **CALL TO ORDER/PLEDGE OF ALLEGIANCE** (Brenda Dennstedt, Chair)
2. **ROLL CALL**
3. **PUBLIC COMMENTS**
Members of the public may address the Board on items within the jurisdiction of the Board; however, no action may be taken on an item not appearing on the agenda unless the action is otherwise authorized by Government Code §54954.2(b).
4. **CONSENT CALENDAR**
All matters listed on the Consent Calendar are considered routine and non-controversial and will be acted upon by the Board by one motion as listed below.
 - A. **APPROVAL OF MEETING MINUTES: AUGUST 15, 2019**5
Recommendation: Approve as posted.
 - B. **TREASURER'S REPORTS: JUNE – AUGUST 2019**9
Recommendation: Approve as posted.
 - C. **EDUCATION AND OUTREACH COMMITTEE STATUS REPORT: QUARTERLY REPORT JULY – SEPTEMBER 2019**33
Recommendation: Approve as posted.
 - D. **TMDL TASK FORCE REPORT: AUGUST 14, 2019**49
Recommendation: Approve as posted.
5. **INFORMATIONAL REPORTS**
Recommendation: Receive for information.
 - A. **LAKE ELSINORE FISHERY MANAGEMENT PLAN AND SURVEY OUTREACH (LES#2019.16)**53
Presenter: Liselle DeGrave, DeGrave Communications
Recommendation: Receive and file a status report from DeGrave Communications about the public information and outreach conducted as part of the previously

authorized Lake Elsinore Fishery Management conducted by Wood Environment & Infrastructure Solutions, Inc.

- B. LAKE ELSINORE ADVANCED PUMPED STORAGE PROJECT (LEAPS) UPDATE (LES#2019.17)71**
Presenter: Greg Kahlen, The Kahlen Group (representing Nevada Hydro Company)
Recommendation: Receive and file status report on Nevada Hydro Company's, Inc. (Nevada Hydro) Lake Elsinore Advanced Pumped Storage (LEAPS) Project.
- C. LAKE ELSINORE GRANT APPLICATION STATUS (LES#2019.18).....73**
Presenter: Mark Norton
Recommendation: Receive and file status report regarding the Physical Harvesting of Algal Biomass in Lake Elsinore, a pilot project which was submitted as a grant request to SAWPA's One Water One Watershed Proposition 1 IRWM Round 1 Grant program.
- D. LAKE ELSINORE & CANYON LAKE NUTRIENT TMDL TASK FORCE UPDATE (LES#2019.19)75**
Presenter: Mark Norton
Recommendation: Receive and file status report regarding the Lake Elsinore and Canyon Lake Nutrient TMDL Revision Report and the Lake Elsinore and Canyon Lake TMDL Task Force activities.
- E. REGIONAL AGRICULTURAL PIPELINE CONVERSION PROJECT UPDATE (LES#2019.20)77**
Presenter: Parag Kalaria, EVMWD
Recommendation: Receive and file a status report about the completion of the Regional Agricultural Pipeline Conversion project.
- F. ADMINISTRATOR'S COMMENTS**
- G. DIRECTORS' COMMENTS**
- H. FUTURE AGENDA ITEMS REQUESTS**
- 6. CLOSED SESSION**
There were no Closed Session items anticipated at the time of the posting of the agenda.
- 7. ADJOURNMENT**

Americans with Disabilities Act: If you require any special disability related accommodations to participate in the meeting, please call (951) 354-4243 or email svilla@sawpa.org. Notification at least 48 hours prior to the meeting will enable staff to make reasonable arrangements to ensure accessibility for this meeting. Request should specify the nature of the disability and the type of accommodation requested.

Materials related to an item on this agenda submitted to the Board after distribution of the agenda packet are available for public inspection during normal business hours at the SAWPA office, 11615 Sterling Avenue, Riverside, CA 92503, and available at www.sawpa.org, subject to staff's ability to post documents prior to the meeting.

Declaration of Posting

I, Sara Villa, Board Secretary of the Lake Elsinore & San Jacinto Watersheds Authority declare that on Monday, October 14, 2019, a copy of this agenda has been uploaded to the LESJWA website at www.mywatersheds.com and posted at the SAWPA office, 11615 Sterling Avenue, Riverside, CA 92503.

/s\

<u>2019 – LESJWA Board of Directors Regular Meetings</u> Third Thursday of Every Other Month (NOTE: Unless otherwise noticed, all LESJWA Board of Directors Meetings begin at 4:00 p.m., and held at EVMWD)	
February 21, 2019	April 18, 2019
June 20, 2019 [cancelled]	August 15, 2019
October 17, 2019	December 19, 2019

<u>2020 – LESJWA Board of Directors Regular Meetings</u> Third Thursday of Every Other Month (NOTE: Unless otherwise noticed, all LESJWA Board of Directors Meetings begin at 4:00 p.m., and held at EVMWD)	
February 20, 2020	April 16, 2020
June 18, 2020	August 20, 2020
October 15, 2020	December 17, 2020

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LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY BOARD OF DIRECTORS MEETING

REGULAR MEETING MINUTES

August 15, 2019

BOARD OF DIRECTORS PRESENT

Brenda Dennstedt, Chair, Santa Ana Watershed Project Authority
Robert Magee, City of Lake Elsinore
Jeremy Smith, Alternate, City of Canyon Lake

BOARD OF DIRECTORS ABSENT

Phil Williams, Vice Chair, Elsinore Valley Municipal Water District
Kasey Castillo, Secretary/Treasurer, City of Canyon Lake
Kevin Jeffries, County of Riverside

OTHERS PRESENT

T. Milford Harrison, SAWPA Commissioner
Tess Dunham, Somach Simmons & Dunn [via-conference]
Greg Khalen, The Khalen Group

LESJWA STAFF

Mark Norton, Sara Villa

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE

The Regular Board of Directors meeting of the Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) was called to order at 4:00 p.m. by Chair Dennstedt at the Elsinore Valley Municipal Water District, 31315 Chaney Street, Lake Elsinore, CA 92531.

2. ROLL CALL

Roll call was duly noted and recorded by the Clerk of the Board.

3. PUBLIC COMMENTS

There were no public comments.

4. CONSENT CALENDAR

A. APPROVAL OF MEETING MINUTES: APRIL 18, 2019

Recommendation: Approve as posted.

B. TREASURER'S REPORT: MARCH - MAY 2019

Recommendation: Approve as posted.

C. EDUCATION AND OUTREACH COMMITTEE STATUS REPORT: JULY 9, 2019

Recommendation: Approve as posted.

D. TMDL TASK FORCE REPORT: APRIL 24, 2019 & JUNE 19, 2019

Recommendation: Approve as posted.

MOVED, approve the Consent Calendar.

Result:	Adopted (Unanimously)
Motion/Second:	Magee/Smith
Ayes:	Dennstedt, Magee, Smith
Nays:	None
Abstentions:	None
Absent:	Jeffries, Williams

5. NEW BUSINESS

A. REGULATORY AND FACILITATOR SUPPORT FOR LAKE ELSINORE AND CANYON LAKE TMDL TASK FORCE (LES#2019.12)

Mark Norton introduced Theresa (Tess) Dunham attending via-conference call to the Board of Directors. Norton recommended that the Board of Directors execute the following; Agreement for Services, Task Order SOMA160-01 with Somach Simmons & Dunn in the amount not to exceed \$98,460 for the next two (2) fiscal years (FY 2019-20 and FY2020-21), and Agreement for Services and Task Order RISK160-11 with Risk Sciences in the amount not to exceed \$43,200 for FY2019-20 to provide conjointly strategic and regulatory support to the Lake Elsinore and Canyon Lake TMDL Task Force. A Request for Qualifications was posted and four (4) firms responded and were interviewed by a panel composed of representatives from three (3) task forces, LESJWA staff and Regional Board's upper management. The SAWPA task forces indicated their support of Somach Simmons & Dunn's proposal and their recommendation to the SAWPA Commission and the LESJWA Board. The SAWPA Commission approved an Agreement for Services and Task Orders with Somach Simmons & Dunn to provide support to the MSAR TMDL Task Force and Basin Monitoring Program Task Force on August 6, 2019.

Tess Dunham provided the Board of Directors with a brief background of her being a Water Quality Specialist since the TMDLs first started throughout California and has been working on the water quality regulatory issues as an attorney and consultant for over 20 years. Dunham noted that she is very excited for this opportunity.

MOVED, to approve and execute the Agreement for Services and Task Order No. SOMA160-01 with Somach Simmons & Dunn in the amount not to exceed \$98,460 for FY 2019-20 and FY 2020-21. Also, approve and execute the Agreement for Services and Task Order No. RISK160-11 with Risk Sciences in the amount not to exceed \$43,200 for FY2019-20 to provide conjointly strategic and regulatory support for the Lake Elsinore and Canyon Lake TMDL Task Force.

Result:	Adopted (Unanimously)
Motion/Second:	Magee/Smith
Ayes:	Dennstedt, Magee, Smith
Nays:	None
Abstentions:	None
Absent:	Jeffries, Williams

6. INFORMATIONAL REPORTS

Recommendation: Receive for information.

A. AUDITOR COMMUNICATION LETTER TO THE BOARD

Mark Norton provided a verbal update regarding Teaman Ramirez & Smith, Inc, audit communication letter for LESJWA for the year ending June 30, 2019. The audit fieldwork is expected to be conducted in September 2019. Joshua Calhoun is the engagement partner and will be working closely with LESJWA's Chief Financial Officer, Karen Williams.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 6.A.

B. SAWPA OWOW PROPOSITION 1 IRWM ROUND 1 GRANT APPLICATION (LES#2019.13)

Mark Norton provided a verbal status update regarding the SAWPA OWOW Proposition 1 IRWM Round 1 Grant Application. The City of Lake Elsinore submitted a pilot project, Physical Harvesting of Algal Biomass in Lake Elsinore. This pilot project proposes the removal of lake algae through the

use of floating barge system that will remove algae from the lake and then be harvested for biofuels. The project is estimated to cost \$297,000 and no local funding match is proposed or required since it supports disadvantaged communities. The Physical Harvesting of Algal Biomass will be recommended for funding to DWR. A second project was submitted by local agencies, Canyon Lake Dredging Project, unfortunately ranked low and was not recommended for funding by the watershed stakeholders. A pre-application workshop was held yesterday (August 14) at SAWPA, and Ms. Nicole Dailey provided a PowerPoint presentation. The next steps are to continue to work with the project proponents to start the process of preparing the grant application anticipated to be submitted on November 1st.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 6.B.

C. LAKE ELSINORE & CANYON LAKE NUTRIENT TMDL TASK FORCE UPDATE (LES#2019.14)

Mark Norton provided a verbal status update regarding the Lake Elsinore & Canyon Lake Nutrient TMDL Task Force Update. This Update and Revision to the TMDL reflects a combined effort by the watershed stakeholders, CDM Smith, and Risk Sciences to help improve the water quality in both lakes. A public workshop was held on May 3, 2019 amongst the Regional Board staff, CDM Smith, and LESJWA staff to further discuss the TMDL Revision Technical Report. Comments are being incorporated from the result of the workshop. It is anticipated the TMDL Revision Technical Report to move forward for approval in February 2020.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 6.C.

D. ACOE'S LAKE ELSINORE AQUATIC ECOSYSTEM RESTORATION INTEREST DETERMINATION (LES#2019-15)

Mark Norton provided a verbal status update regarding the Army Corp of Engineers (ACOE) Aquatic Ecosystem Restoration Interest Determination. A meeting was held with a tour of the Lake Elsinore with ACOE staff, Greg Morrison of EVMWD, and representatives of City of Lake Elsinore and LESJWA. ACOE expressed interest and recently a draft Federal Interest Determination report has been prepared and shared with EVMWD and LESJWA staff. Some concerns have arisen with the ACOE cost estimate to conduct the Phase 1 feasibility report with the estimate of \$2M with 50% (\$1M) coming from local agencies. The process is still ongoing, though further discussion is needed with EVMWD staff.

This item was for informational and discussion purposes; no action was taken on Agenda Item No. 6.D.

E. ADMINISTRATOR'S COMMENTS

Mark Norton informed the Board of Directors that there is interest by the Lake Elsinore and Canyon Lake TMDL Task Force to examine if the LEAPS project were to move forward to look at the possibility of having flow from the upper reservoir that is going back into the lake to be disbursed using the existing lake aeration lines in the lake. This could potentially provide improved lake mixing and more oxygen for the lake and could be worth studying.

The Fishery Management has started, and Wood Environment & Infrastructure Solutions is anticipated to do the sampling. There are three (3) stages of sampling, with the first event scheduled in September.

Wood Environment & Infrastructure Solutions did an evaluation on the sediment that came into the lake from the Holy Fire and there were no toxicity issues or negative impact to the lake.

F. DIRECTORS' COMMENTS

Director Magee noted that he and Chair Dennstedt worked with staff for a period of several months to try to come up with a formula to have third parties join the TMDL Task Force without being a voting member and being responsible for the Regional Water Quality Board's requests. After all efforts, CR&R pulled their application and are not continuing their nutrient reduction for compost.

G. FUTURE AGENDA ITEMS REQUESTS

Director Magee requested an update on when the Department of Fish & Wildlife will be our partners and issue a permit? The City of Lake Elsinore is trying to sample and get information of the biology and improve the menu of aquatic wildlife. Mark Norton noted there is a sampling event scheduled early September and the permit should be issued by then.

7. CLOSED SESSION

There was no Closed Session.

8. ADJOURNMENT

There being no further business for review, Chair Dennstedt adjourned the meeting at 4:38 p.m.

Approved at a Regular Meeting of the Lake Elsinore & San Jacinto Watersheds Authority Board of Directors Meeting on Thursday, October 17, 2019.

Brenda Dennstedt, Chair

Attest:

Sara Villa, Clerk of the Board

Lake Elsinore and San Jacinto Watersheds Authority

FINANCIAL STATEMENTS

June 2019

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 6/30/19

Balance as of 5/31/19	\$	585,525.59
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Funds Received
Deposits:

Open - Grant Invoices

Open - Member & Other Contributions

CR&R	\$	60,050.00
Total Due LESJWA	\$	60,050.00

Disbursement List - June 2019	\$	(44,011.29)
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Funds Available as of 6/30/19	\$	541,514.30
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Funds Available:

Checking	\$	48,704.26
LAIF	\$	492,810.04
Total	\$	541,514.30

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2019
as of June 30, 2019

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00	27,890.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00	29,996.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00	14,160.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00	28,780.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00	29,084.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00	28,521.00
City of Menifee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00	112,252.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00	144,495.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00	22,796.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00	66,775.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00	24,896.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00	27,296.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00	21,872.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00	76,601.00
CR&R	-	-	-	-	-	-	-	60,050.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00	16,818.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00	16,222.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00	12,626.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00	24,596.00
Nevada Hydro	-	-	-	-	-	-	-	17,996.00
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	45,785.00	31,391.00	37,999.65
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-	2,700.00
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00	844,421.65
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00	766,375.65
Total Outstanding Contributions	-	-	-	-	-	-	-	78,046.00
Total Outstanding Contributions								
City of Murrieta	-	-	-	-	-	-	-	-
CR&R	-	-	-	-	-	-	-	60,050.00
Nevada Hydro	-	-	-	-	-	-	-	17,996.00
San Jacinto Agricultural Operators	-	-	-	-	-	-	-	-
Total Outstanding All Years	-	-	-	-	-	-	-	78,046.00

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the Twelve Months Ending Sunday, June 30, 2019

Assets

Checking - US Bank	\$48,704.26
L.A.I.F.	492,810.04
Accounts Receivable	60,050.00
Interest Receivable	3,681.54
Prepaid Insurance	2,504.00
Total Assets	<u>\$607,749.84</u>

Liabilities

Accounts Payable	22,143.68
Accrued Accounts Payable	202,351.29
Accrued Interest Payable	109.00
Total Liabilities	<u>\$224,603.97</u>

Retained Earnings	512,233.10
Excess Revenue over (under) Expenditures	<u>(\$129,087.23)</u>
Total Net Assets	<u>\$383,145.87</u>
Total Liabilities and Net Assets	<u>\$607,749.84</u>

Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the Twelve Months Ending Sunday, June 30, 2019

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
LAIF Interest	\$3,681.54	\$16,012.94	\$5,000.00	320.26%	(\$11,012.94)
Member Agency Contributions	0.00	256,528.00	256,528.00	100.00%	0.00
Other Agency Contributions	(21,661.35)	679,897.65	704,584.00	96.50%	24,686.35
Miscellaneous Revenue	0.00	30.00	0.00	0.00%	(30.00)
Total Revenues	(\$17,979.81)	\$952,468.59	\$966,112.00	98.59%	\$13,643.41
Expenses					
Salaries - Regular	5,233.60	67,736.59	75,352.00	89.89%	7,615.41
Payroll Burden	2,287.08	29,600.90	32,928.00	89.90%	3,327.10
Overhead	7,384.61	95,576.31	106,320.00	89.89%	10,743.69
Audit Fees	0.00	5,000.00	5,000.00	100.00%	0.00
Consulting - General	41,352.81	600,538.24	686,112.00	87.53%	85,573.76
LEAMS Offset Credit License	151,980.00	274,452.00	176,700.00	155.32%	(97,752.00)
Legal Fees	0.00	5,425.00	850.00	638.24%	(4,575.00)
Meeting & Conference Expense	218.96	348.17	100.00	348.17%	(248.17)
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Office Supplies	0.00	0.00	60.00	0.00%	60.00
Other Expense	0.00	0.00	59.00	0.00%	59.00
Insurance Expense	0.00	2,553.00	2,536.00	100.67%	(17.00)
Interest Expense	109.00	325.61	91.00	357.81%	(234.61)
Total Expenditures	\$208,566.06	\$1,081,555.82	\$1,086,158.00	99.58%	\$4,602.18
Excess Revenue over (under) Expenditures	(\$226,545.87)	(\$129,087.23)	(\$120,046.00)	107.53%	\$9,041.23

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending June 30, 2019

	JPA		TMDL					Budget	% Used	Budget	Variance
	Administration		Task Force		Total						
Revenues											
State Grant Proceeds	\$	-	\$	-	\$	-	\$	-	100.00%	\$	-
LAIF Interest		16,012.94		-		16,012.94		5,000.00	320.26%		(11,012.94)
Member Agency Contributions		110,000.00		146,528.00		256,528.00		256,528.00	100.00%		-
Other Agency Contributions		(21,661.35)		701,559.00		679,897.65		704,584.00	96.50%		24,686.35
Miscellaneous Revenue		-		30.00		30.00		-	100.00%		(30.00)
Total Revenues	\$	104,351.59	\$	848,117.00	\$	952,468.59	\$	966,112.00	98.59%	\$	13,643.41
Expenditures											
Salaries	\$	22,006.44	\$	45,730.15	\$	67,736.59	\$	75,352.00	89.89%	\$	7,615.41
Benefits		9,616.82		19,984.08		29,600.90		32,928.00	89.90%		3,327.10
Indirect Costs		31,051.09		64,525.22		95,576.31		106,320.00	89.89%		10,743.69
Audit Fees		5,000.00		-		5,000.00		5,000.00	100.00%		-
Consulting		19,725.57		580,812.67		600,538.24		686,112.00	87.53%		85,573.76
Legal Fees		5,425.00		-		5,425.00		850.00	0.00%		(4,575.00)
Meeting & Conference Expense		62.50		285.67		348.17		100.00	348.17%		(248.17)
Shipping & Postage		-		-		-		50.00	0.00%		50.00
Other Expense		-		-		-		59.00	0.00%		59.00
LEAMS Excess Offset Credit		-		274,452.00		274,452.00		176,700.00	155.32%		(97,752.00)
Insurance Expense		2,553.00		-		2,553.00		2,536.00	100.67%		(17.00)
Office Supplies								60.00	0.00%		60.00
Interest Expense		325.61		-		325.61		91.00	357.81%		(234.61)
Total Expenditures	\$	95,766.03	\$	985,789.79	\$	1,081,555.82	\$	1,086,158.00	99.58%	\$	4,602.18
Excess Revenue over (under) Expenditures	\$	8,585.56	\$	(137,672.79)	\$	(129,087.23)	\$	(120,046.00)	100.00%	\$	9,041.23
Cash Balance @ 6/30/19	\$	72,691.20	\$	468,823.10	\$	541,514.30					

**Lake Elsinore San Jacinto
Watershed Authority
Disbursements
June 2019**

Check #	Check Date	Type	Vendor	Check Amount
1094	6/21/2019	CHK	Alliant Insurance Services	\$ 2,504.00
EFT232	6/27/2019	CHK	Risk Sciences	\$ 7,184.25
EFT233	6/27/2019	CHK	Santa Ana Watershed Project Authority	\$ 14,005.65
EFT234	6/27/2019	CHK	Wood Environment & Infrastructure	\$ 20,317.39
Total Disbursements June 2019				<u>\$ 44,011.29</u>

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Lake Elsinore and San Jacinto Watersheds Authority

FINANCIAL STATEMENTS

July 2019

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 7/31/19

Balance as of 6/30/19 \$ 541,514.30

Funds Received

Deposits:

March JPA	\$	31,006.00
City of Beaumont	\$	28,251.00
City of Wildomar	\$	31,578.00
EVMWD	\$	20,000.00
WRCAG	\$	2,850.00
LAIF Interest	\$	3,681.54

Open - Grant Invoices

Open - Member & Other Contributions

SAWPA	\$	10,000.00
County of Riverside	\$	20,000.00
RCFCD	\$	20,000.00
City of Canyon Lake	\$	20,000.00
City of Lake Elsinore	\$	20,000.00
City of Canyon Lake	\$	33,754.00
City of Lake Elsinore	\$	33,361.00
County of Riverside	\$	81,634.00
EVMWD	\$	24,934.00
CA Department of Transportation	\$	34,286.00
City of Hemet	\$	41,830.00
City of Menifee	\$	86,846.00
City of Moreno Valley	\$	80,826.00
City of Murietta	\$	30,774.00
City of Perris	\$	50,792.00
City of Riverside	\$	26,751.00
City of San Jacinto	\$	26,751.00
CA Department of Fish & Game	\$	26,751.00
EMWD	\$	23,496.00
March AFB	\$	32,863.00
WRCAG	\$	52,967.00
CR&R	\$	23,496.00
CR&R	\$	60,050.00
Total Due LESJWA	\$	862,162.00

Disbursement List - July 2019 \$ (183,142.16)

Funds Available as of 7/31/19 \$ 475,738.68

Funds Available:

Checking	\$	179,247.10
LAIF	\$	296,491.58
Total	\$	<u><u>475,738.68</u></u>

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2020
as of July 31, 2019

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00	27,890.00	32,863.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00	29,996.00	34,286.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00	14,160.00	28,251.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00	28,780.00	33,754.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00	29,084.00	41,830.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00	28,521.00	33,361.00
City of Meniffee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00	112,252.00	86,846.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00	144,495.00	80,826.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00	22,796.00	30,774.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00	66,775.00	50,792.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00	24,896.00	26,751.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00	27,296.00	26,751.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00	21,872.00	31,578.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00	76,601.00	81,634.00
CR&R	-	-	-	-	-	-	-	60,050.00	23,496.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00	16,818.00	26,751.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00	16,222.00	23,496.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00	12,626.00	24,934.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00	24,596.00	31,006.00
Nevada Hydro	-	-	-	-	-	-	-	17,996.00	-
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	45,785.00	31,391.00	37,999.65	52,967.00
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-	2,700.00	2,850.00
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00	844,421.65	805,797.00
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00	766,375.65	93,685.00
Total Outstanding Contributions	-	-	-	-	-	-	-	78,046.00	712,112.00
Total Outstanding Contributions									
March ARB									32,863.00
Caltrans									34,286.00
City of Beaumont									-
City of Canyon Lake									33,754.00
City of Hemet									41,830.00
City of Lake Elsinore	-	-	-	-	-	-	-	-	33,361.00
City of Meniffee									86,846.00
City of Moreno Valley									80,826.00
City of Murrieta	-	-	-	-	-	-	-	-	30,774.00
City of Perris									50,792.00
City of Riverside									26,751.00
City of San Jacinto									26,751.00
City of Wildomar									-
County of Riverside	-	-	-	-	-	-	-	-	81,634.00
CR&R	-	-	-	-	-	-	-	60,050.00	23,496.00
Dept of Fish and Game									26,751.00
Eastern Municipal Water District	-	-	-	-	-	-	-	-	23,496.00
Elsinore Valley Municipal Water District	-	-	-	-	-	-	-	-	24,934.00
March JPA									-
Nevada Hydro	-	-	-	-	-	-	-	17,996.00	52,967.00
San Jacinto Agricultural Operators	-	-	-	-	-	-	-	-	-
San Jacinto Dairy & CAFO Operators									712,112.00
Total Outstanding All Years	-	-	-	-	-	-	-	78,046.00	569,379.00

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the One Month Ending Wednesday, July 31, 2019

Assets

Checking - US Bank	\$179,247.10
L.A.I.F.	296,491.58
Accounts Receivable	862,162.00
Prepaid Insurance	2,504.00
Total Assets	<u>\$1,340,404.68</u>

Liabilities

Accounts Payable	<u>151,544.08</u>
Total Liabilities	<u>\$151,544.08</u>

Retained Earnings	344,798.99
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Excess Revenue over (under) Expenditures	<u>\$844,061.61</u>
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Total Net Assets	<u>\$1,188,860.60</u>
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Total Liabilities and Net Assets	<u>\$1,340,404.68</u>
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Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the One Month Ending Wednesday, July 31, 2019

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
LAIF Interest	\$0.00	\$0.00	\$5,500.00	0.00%	\$5,500.00
Member Agency Contributions	263,683.00	263,683.00	270,415.00	97.51%	6,732.00
Other Agency Contributions	652,114.00	652,114.00	686,082.00	95.05%	33,968.00
Total Revenues	\$915,797.00	\$915,797.00	\$961,997.00	95.20%	\$46,200.00
Expenses					
Salaries - Regular	6,763.40	6,763.40	60,115.00	11.25%	53,351.60
Payroll Burden	3,084.11	3,084.11	27,412.00	11.25%	24,327.89
Overhead	10,178.92	10,178.92	90,473.00	11.25%	80,294.08
Audit Fees	0.00	0.00	5,000.00	0.00%	5,000.00
Consulting - General	51,315.21	51,315.21	503,780.00	10.19%	452,464.79
Other Contract Services	0.00	0.00	90,257.00	0.00%	90,257.00
LEAMS Offset Credit License	0.00	0.00	170,460.00	0.00%	170,460.00
Legal Fees	393.75	393.75	2,500.00	15.75%	2,106.25
Meeting & Conference Expense	0.00	0.00	100.00	0.00%	100.00
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Office Supplies	0.00	0.00	60.00	0.00%	60.00
Other Expense	0.00	0.00	59.00	0.00%	59.00
Insurance Expense	0.00	0.00	2,553.00	0.00%	2,553.00
Interest Expense	0.00	0.00	91.00	0.00%	91.00
Total Expenditures	\$71,735.39	\$71,735.39	\$952,910.00	7.53%	\$881,174.61
Excess Revenue over (under) Expenditures	\$844,061.61	\$844,061.61	\$9,087.00	9288.67%	(\$834,974.61)

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending July 31, 2019

	JPA Administration	TMDL Task Force	Total	Budget	% Used	Budget Variance
Revenues						
State Grant Proceeds	\$ -	\$ -	\$ -	\$ -	100.00%	\$ -
LAIF Interest	-	-	-	5,500.00	0.00%	5,500.00
Member Agency Contributions	110,000.00	153,683.00	263,683.00	270,415.00	97.51%	6,732.00
Other Agency Contributions	-	652,114.00	652,114.00	686,082.00	95.05%	33,968.00
Miscellaneous Revenue	-	-	-	-	100.00%	-
Total Revenues	\$ 110,000.00	\$ 805,797.00	\$ 915,797.00	\$ 961,997.00	95.20%	\$ 46,200.00
Expenditures						
Salaries	\$ 2,663.10	\$ 4,100.30	\$ 6,763.40	\$ 60,115.00	11.25%	\$ 53,351.60
Benefits	1,214.37	1,869.74	3,084.11	27,412.00	11.25%	24,327.89
Indirect Costs	4,007.97	6,170.95	10,178.92	90,473.00	11.25%	80,294.08
Audit Fees	-	-	-	5,000.00	0.00%	5,000.00
Consulting	2,861.24	48,453.97	51,315.21	503,780.00	10.19%	452,464.79
Other Contract Services	-	-	-	90,257.00	0.00%	90,257.00
Legal Fees	393.75	-	393.75	2,500.00	0.00%	2,106.25
Meeting & Conference Expense	-	-	-	100.00	0.00%	100.00
Shipping & Postage	-	-	-	50.00	0.00%	50.00
Other Expense	-	-	-	59.00	0.00%	59.00
LEAMS Excess Offset Credit	-	-	-	170,460.00	0.00%	170,460.00
Insurance Expense	-	-	-	2,553.00	0.00%	2,553.00
Office Supplies	-	-	-	60.00	0.00%	60.00
Interest Expense	-	-	-	91.00	0.00%	91.00
Total Expenditures	\$ 11,140.43	\$ 60,594.96	\$ 71,735.39	\$ 952,910.00	7.53%	\$ 881,174.61
Excess Revenue over (under) Expenditures	\$ 98,859.57	\$ 745,202.04	\$ 844,061.61	\$ 9,087.00	100.00%	\$ (834,974.61)
 Cash Balance @ 7/31/19	 \$ 179,145.16	 \$ 296,593.52	 \$ 475,738.68			

**Lake Elsinore San Jacinto
Watershed Authority
Disbursements
July 2019**

Check #	Check Date	Type	Vendor	Check Amount
1095	7/24/2019	CHK	City of Lake Elsinore	\$50,660.00
1096	7/24/2019	CHK	Riverside, County of	\$50,660.00
EFT235	7/19/2019	CHK	Risk Sciences	\$11,567.96
EFT236	7/19/2019	CHK	Santa Ana Watershed Project	\$15,124.25
EFT237	7/24/2019	CHK	Elsinore Valley Municipal Water District	\$50,660.00
EFT238	7/24/2019	CHK	Wood Environment & Infrastructure	\$4,469.95
Total Disbursements July 2019				<u>\$ 183,142.16</u>

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Lake Elsinore and San Jacinto Watersheds Authority

FINANCIAL STATEMENTS

August 2019

LAKE ELSINORE & SAN JACINTO WATERSHEDS AUTHORITY
CASH FLOW STATEMENT
AS OF 8/31/19

Balance as of 7/31/19	\$	475,738.68
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Funds Received

Deposits:

March ARB	\$	32,863.00
RCFCD	\$	20,000.00
County of Riverside	\$	20,000.00
City of Hemet	\$	41,830.00
SAWPA	\$	10,000.00
City of Riverside	\$	26,751.00
City of Canyon Lake	\$	20,000.00
City of Canyon Lake	\$	33,754.00
City of Lake Elsinore	\$	33,361.00
EVMWD	\$	24,934.00
CA Department of Transportation	\$	34,286.00
County of Riverside	\$	81,634.00
City of Lake Elsinore	\$	20,000.00

Open - Grant Invoices

Open - Member & Other Contributions

City of Menifee	\$	86,846.00
City of Moreno Valley	\$	80,826.00
City of Murietta	\$	30,774.00
City of Perris	\$	50,792.00
City of San Jacinto	\$	26,751.00
CA Department of Fish & Game	\$	26,751.00
EMWD	\$	23,496.00
WRCAG	\$	52,967.00
CR&R	\$	23,496.00
CR&R	\$	60,050.00
Total Due LESJWA	\$	462,749.00

Disbursement List - August 2019	\$	(103,090.11)
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Funds Available as of 8/31/19	\$	772,061.57
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Funds Available:

Checking	\$	475,569.99
LAIF	\$	296,491.58
Total	\$	772,061.57

Lake Elsinore San Jacinto Watersheds Authority
LE/CL TMDL Invoice History
FYE 2011 - 2020
as of August 31, 2019

Agency	FY 2011-12	FY 2012-13	FY 2013-14	FY 2014-15	FY 2015-16	FY 2016-17	FY 2017-18	FY 2018-19	FY 2019-20
March ARB	10,000.00	13,050.00	12,500.00	35,226.00	25,176.00	38,321.00	29,864.00	27,890.00	32,863.00
CalTrans	10,000.00	13,050.00	12,500.00	28,656.00	26,072.00	40,421.00	31,964.00	29,996.00	34,286.00
City of Beaumont	3,900.00	1,865.00	19,263.00	24,280.00	26,866.00	37,421.00	28,128.00	14,160.00	28,251.00
City of Canyon Lake	3,396.00	644.00	18,389.00	34,863.00	24,142.00	42,521.00	33,586.00	28,780.00	33,754.00
City of Hemet	22,696.00	6,286.00	18,175.00	25,510.00	27,958.00	54,278.00	36,426.00	29,084.00	41,830.00
City of Lake Elsinore	73,133.00	-	19,381.00	30,580.00	32,463.00	37,421.00	22,330.00	28,521.00	33,361.00
City of Menifee	20,458.00	23,649.00	44,155.00	55,821.00	23,584.00	100,499.00	100,906.00	112,252.00	86,846.00
City of Moreno Valley	52,520.00	15,425.00	103,565.00	113,058.00	17,750.00	96,414.00	74,122.00	144,495.00	80,826.00
City of Murrieta	650.00	-	12,426.00	24,280.00	26,866.00	38,321.00	31,337.00	22,796.00	30,774.00
City of Perris	16,580.00	5,752.00	18,869.00	26,739.00	29,050.00	59,821.00	50,374.00	66,775.00	50,792.00
City of Riverside	2,965.00	1,575.00	17,641.00	24,280.00	26,866.00	38,921.00	30,293.00	24,896.00	26,751.00
City of San Jacinto	11,133.00	4,315.00	19,487.00	24,280.00	26,866.00	37,721.00	23,290.00	27,296.00	26,751.00
City of Wildomar	3,859.00	4,461.00	8,307.00	19,528.00	26,460.00	41,642.00	28,841.00	21,872.00	31,578.00
County of Riverside	32,919.00	-	30,165.00	36,469.00	30,362.00	68,931.00	69,034.00	76,601.00	81,634.00
CR&R	-	-	-	-	-	-	-	60,050.00	23,496.00
Dept of Fish and Game	10,000.00	13,050.00	12,500.00	18,435.00	28,840.00	35,121.00	22,857.00	16,818.00	26,751.00
Eastern Municipal Water District	10,000.00	13,050.00	12,500.00	16,225.00	23,525.00	27,789.00	15,724.00	16,222.00	23,496.00
Elsinore Valley Municipal Water District	61,070.00	-	12,500.00	16,225.00	23,525.00	30,361.00	18,327.00	12,626.00	24,934.00
March JPA	10,000.00	13,050.00	12,500.00	24,485.00	27,160.00	38,921.00	30,464.00	24,596.00	31,006.00
Nevada Hydro	-	-	-	-	-	-	-	17,996.00	-
San Jacinto Agricultural Operators	14,011.00	28,278.00	12,500.00	47,549.00	23,530.58	45,785.00	31,391.00	37,999.65	52,967.00
San Jacinto Dairy & CAFO Operators	10,000.00	10,211.00	12,500.00	16,225.00	-	-	-	2,700.00	2,850.00
Total	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00	844,421.65	805,797.00
Total Paid Contributions	379,290.00	167,711.00	429,823.00	642,714.00	497,061.58	910,630.00	709,258.00	766,375.65	403,098.00
Total Outstanding Contributions	-	-	-	-	-	-	-	78,046.00	402,699.00

Total Outstanding Contributions

March ARB	-
Caltrans	-
City of Beaumont	-
City of Canyon Lake	-
City of Hemet	-
City of Lake Elsinore	-
City of Menifee	86,846.00
City of Moreno Valley	80,826.00
City of Murrieta	30,774.00
City of Perris	50,792.00
City of Riverside	-
City of San Jacinto	26,751.00
City of Wildomar	-
County of Riverside	-
CR&R	60,050.00
Dept of Fish and Game	26,751.00
Eastern Municipal Water District	23,496.00
Elsinore Valley Municipal Water District	-
March JPA	-
Nevada Hydro	17,996.00
San Jacinto Agricultural Operators	-
San Jacinto Dairy & CAFO Operators	402,699.00
Total Outstanding All Years	78,046.00

Lake Elsinore/San Jacinto Watershed Authority
Statement of Net Assets
For the Two Months Ending Saturday, August 31, 2019

Assets

Checking - US Bank	\$475,569.99
L.A.I.F.	296,491.58
Accounts Receivable	462,749.00
Prepaid Insurance	2,504.00
Total Assets	<u>\$1,237,314.57</u>

Liabilities

Accounts Payable	<u>77,244.53</u>
Total Liabilities	<u>\$77,244.53</u>

Retained Earnings	344,798.99
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Excess Revenue over (under) Expenditures	<u>\$815,271.05</u>
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Total Net Assets	<u>\$1,160,070.04</u>
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Total Liabilities and Net Assets	<u>\$1,237,314.57</u>
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Lake Elsinore/San Jacinto Watershed Authority
Revenues, Expenses and Changes in Net Assets
For the Two Months Ending Saturday, August 31, 2019

	Period Actual	YTD Actual	Annual Budget	% Used	Budget Variance
Revenues					
LAIF Interest	\$0.00	\$0.00	\$5,500.00	0.00%	\$5,500.00
Member Agency Contributions	0.00	263,683.00	270,415.00	97.51%	6,732.00
Other Agency Contributions	0.00	652,114.00	686,082.00	95.05%	33,968.00
Total Revenues	\$0.00	\$915,797.00	\$961,997.00	95.20%	\$46,200.00
Expenses					
Salaries - Regular	5,120.44	11,883.84	60,115.00	19.77%	48,231.16
Payroll Burden	2,334.92	5,419.03	27,412.00	19.77%	21,992.97
Overhead	7,706.26	17,885.18	90,473.00	19.77%	72,587.82
Audit Fees	0.00	0.00	5,000.00	0.00%	5,000.00
Consulting - General	13,534.07	64,849.28	503,780.00	12.87%	438,930.72
Other Contract Services	0.00	0.00	90,257.00	0.00%	90,257.00
LEAMS Offset Credit License	0.00	0.00	170,460.00	0.00%	170,460.00
Legal Fees	87.50	481.25	2,500.00	19.25%	2,018.75
Meeting & Conference Expense	7.37	7.37	100.00	7.37%	92.63
Shipping & Postage	0.00	0.00	50.00	0.00%	50.00
Office Supplies	0.00	0.00	60.00	0.00%	60.00
Other Expense	0.00	0.00	59.00	0.00%	59.00
Insurance Expense	0.00	0.00	2,553.00	0.00%	2,553.00
Interest Expense	0.00	0.00	91.00	0.00%	91.00
Total Expenditures	\$28,790.56	\$100,525.95	\$952,910.00	10.55%	\$852,384.05
Excess Revenue over (under) Expenditures	(\$28,790.56)	\$815,271.05	\$9,087.00	8971.84%	(\$806,184.05)

Lake Elsinore San Jacinto Watersheds Authority
Revenues, Expenses and Changes in Net Assets by Project
For the Month Ending August 31, 2019

	JPA		TMDL					Budget	% Used	Budget
	Administration		Task Force		Total					Variance
Revenues										
State Grant Proceeds	\$	-	\$	-	\$	-	\$	-	100.00%	\$ -
LAIF Interest		-		-		-		5,500.00	0.00%	5,500.00
Member Agency Contributions		110,000.00		153,683.00		263,683.00		270,415.00	97.51%	6,732.00
Other Agency Contributions		-		652,114.00		652,114.00		686,082.00	95.05%	33,968.00
Miscellaneous Revenue		-		-		-		-	100.00%	-
Total Revenues	\$	110,000.00	\$	805,797.00	\$	915,797.00	\$	961,997.00	95.20%	\$ 46,200.00
Expenditures										
Salaries	\$	5,032.23	\$	6,851.61	\$	11,883.84	\$	60,115.00	19.77%	\$ 48,231.16
Benefits		2,294.69		3,124.34		5,419.03		27,412.00	19.77%	21,992.97
Indirect Costs		7,573.51		10,311.67		17,885.18		90,473.00	19.77%	72,587.82
Audit Fees		-		-		-		5,000.00	0.00%	5,000.00
Consulting		4,252.78		60,596.50		64,849.28		503,780.00	12.87%	438,930.72
Other Contract Services		-		-		-		90,257.00	0.00%	90,257.00
Legal Fees		481.25		-		481.25		2,500.00	0.00%	2,018.75
Meeting & Conference Expense		-		7.37		7.37		100.00	7.37%	92.63
Shipping & Postage		-		-		-		50.00	0.00%	50.00
Other Expense		-		-		-		59.00	0.00%	59.00
LEAMS Excess Offset Credit		-		-		-		170,460.00	0.00%	170,460.00
Insurance Expense		-		-		-		2,553.00	0.00%	2,553.00
Office Supplies		-		-		-		60.00	0.00%	60.00
Interest Expense		-		-		-		91.00	0.00%	91.00
Total Expenditures	\$	19,634.46	\$	80,891.49	\$	100,525.95	\$	952,910.00	10.55%	\$ 852,384.05
Excess Revenue over (under) Expenditures	\$	90,365.54	\$	724,905.51	\$	815,271.05	\$	9,087.00	100.00%	\$ (806,184.05)
Cash Balance @ 8/31/19	\$	167,895.73	\$	604,165.84	\$	772,061.57				

**Lake Elsinore San Jacinto
Watershed Authority
Disbursements
August 2019**

Check #	Check Date	Type	Vendor	Check Amount
EFT239	8/2/2019	CHK	Risk Sciences	\$6,105.77
EFT240	8/2/2019	CHK	CDM Smith Inc	\$21,049.19
EFT241	8/2/2019	CHK	Wood Environment & Infrastructure	\$8,321.06
EFT242	8/16/2019	CHK	CDM Smith Inc	\$5,876.79
EFT243	8/16/2019	CHK	Wood Environment & Infrastructure	\$23,590.80
EFT244	8/22/2019	CHK	Law Office of David L. Wysocki	\$393.75
EFT245	8/22/2019	CHK	Wood Environment & Infrastructure	\$14,756.08
EFT246	8/30/2019	CHK	Santa Ana Watershed Project Authority	\$20,135.43
EFT247	8/30/2019	CHK	DeGrave Communications	\$2,861.24
Total Disbursements August 2019				<u>\$ 103,090.11</u>

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PUBLIC EDUCATION AND OUTREACH SERVICES

LAKE ELSINORE AND SAN JACINTO WATERSHEDS AUTHORITY

Lake Elsinore & San Jacinto Watersheds Authority



City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

Quarterly Activity Report July – September 2019



DEGRAVE
COMMUNICATIONS, INC.
PUBLIC RELATIONS

SUBMITTED BY :

LISELLE REGUEIRO DEGRAVE

President

OCTOBER 1, 2019

DEGRAVE COMMUNICATIONS

40575 CAL OAKS ROAD, D2-137 MURRIETA, CA 92562

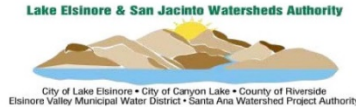
During the months of July – September 2019, DeGrave Communications, Inc. conducted communication support for LESJWA, in accordance to the public education and outreach program contract set forth in the original proposal for services. The following includes a summary of all outreach efforts conducted on LESJWA's behalf.

TASK 1 Conduct Outreach Services in Canyon Lake and Lake Elsinore
DeGrave Communications attended the Fishery Survey on September 4, 2019.



TASK 2 Address Canyon Lake and Lake Elsinore Community Members Through Media Outreach Services

DeGrave Communications drafted and sent out a news release and media advisory for the upcoming Fishery Survey. Media placement was secured through print and video.



MEDIA ADVISORY

UPDATED: August 2, 2019

FISH POPULATION SURVEYS TO CAPTURE, TAG, AND RELEASE FISH IN LAKE ELSINORE

Data to be Used to Update Fishery Management Plan to Improve Water Quality

Three upcoming fish capturing survey events are planned to take place in [Lake Elsinore](#) in the coming months as part of the latest project by the [Lake Elsinore & San Jacinto Watersheds Authority \(LESJWA\)](#) to improve the overall health of the lake and enhance its fishery. Scientists, staff and volunteers will attempt to net, capture, measure and tag as many fish and fish species as possible to determine short and long-term projects for Lake Elsinore. The fishery plan will aim to enhance lake quality by identifying recommendations for a balanced, self-sustaining sport fishery environment. Volunteers are sought to assist with netting, counting and releasing fish.

Date: Three different fish survey events are planned:

- ~~Tuesday, August 6, 7:00 a.m. – 5:00 p.m.~~
- Wednesday, September 4, 7:00 a.m. – 5:00 p.m.
- Tuesday, September 24, 7:00 a.m. – 5:00 p.m.
- **THIRD EVENT - DATE PENDING**

Location: Three locations will be netted each day. See attached map. The primary meetup location will be at the boat launch at: [Launch Pointe Recreation Destination & RV Park](#)
32040 Riverside Drive
Lake Elsinore, CA

Photo Ops: This is a unique opportunity to see a fish population survey underway. The last netting fish population survey conducted in Lake Elsinore was in 2003.

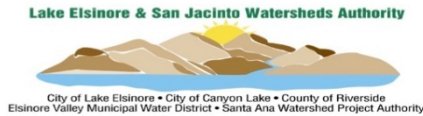
- Volunteers, staff and scientists attempting to capture as many fish and fish species as possible from a variety of locations around the lake.
- The netting process to skim the water and capture the fish.
- Fish being removed from nets and placed into bins to be assessed.
- A variety of fish species being counted, weighed, documented, tagged, and released.
- Fish tissue samples being collected.

Contact: Nicole Dailey, Assistant to the City Manager
ndailey@lake-elsinore.org, (951) 833-5497

Media: Please confirm attendance to ensure space on boat/ dock is secured. You are welcome to attend at any time during the day. Please contact us upon arrival.

###

The Lake Elsinore & San Jacinto Watersheds Authority is a joint powers authority entrusted with state and local funds to improve water quality and wildlife habitats in Lake Elsinore, Canyon Lake, and the surrounding San Jacinto watershed. For more information about LESJWA, please visit



FOR IMMEDIATE RELEASE
UPDATED: August 2, 2019

CONTACT:
Mark Norton

951-354-4221
MNorton@SAWPA.org

Fishery Management Survey Underway in Lake Elsinore to Help Improve Habitat and Water Quality

Hands-on tag and release events to survey the fishery and identify short and long-term projects to improve water quality

LAKE ELSINORE, CA – Three fish capturing survey events are planned in Lake Elsinore as part of the latest project by the [Lake Elsinore & San Jacinto Watersheds Authority \(LESJWA\)](#) to improve the overall health of the lake and enhance its fishery.

On **Wednesday, September 4**, Wood Environment & Infrastructure Solutions along with volunteers will begin efforts to net, capture, measure, tag and release fish as the next step for LESJWA's Fishery Management Plan. Two additional fish capturing events will take place on September 24th and on an additional pending date. Volunteers are being sought to assist with netting, counting, tagging, and releasing fish.

The project builds on our efforts over the last two decades to invest in the future of Lake Elsinore – a destination for fishing and recreation in Southern California.

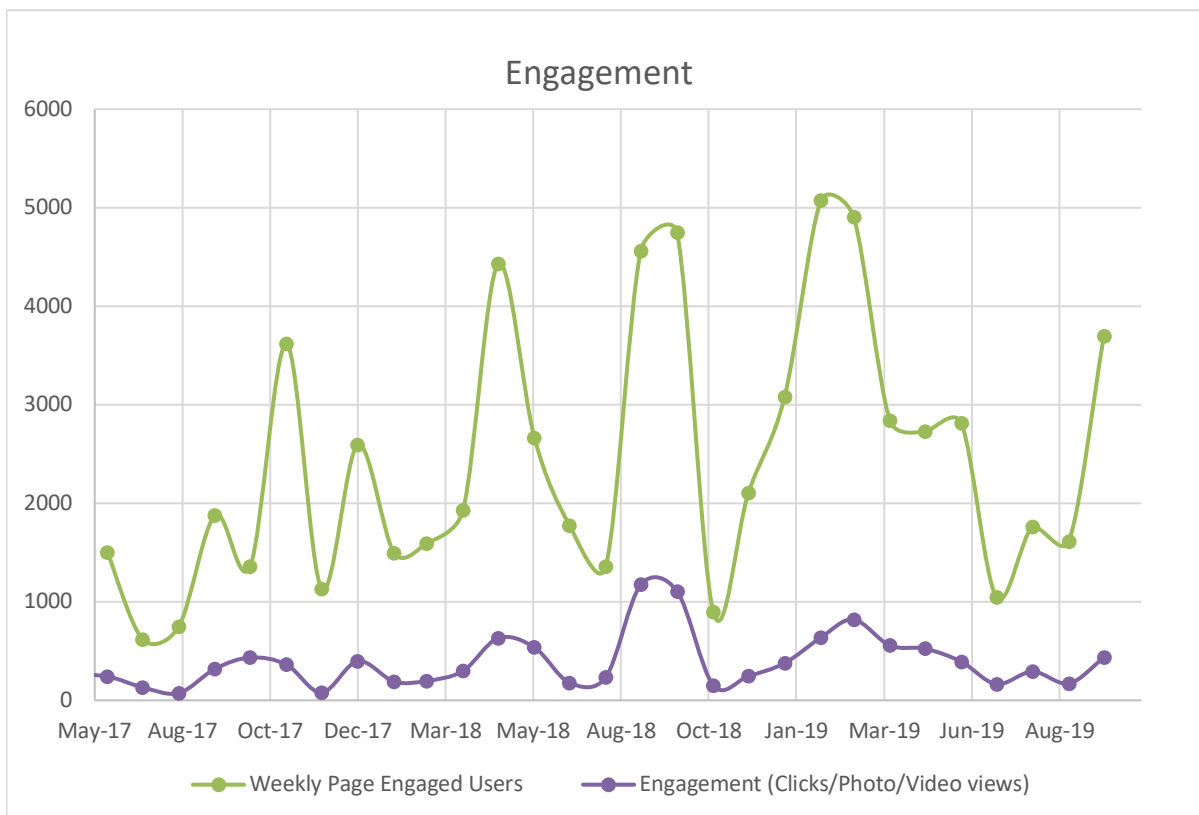
Historically, efforts to develop a healthy, viable fish community in Lake Elsinore have been hampered by: 1) inadequate habitat and water quality conditions for fish and zooplankton reproduction and survival; 2) limited fish food resources; and, 3) multiple detrimental effects caused by abundant Common Carp and Shad.

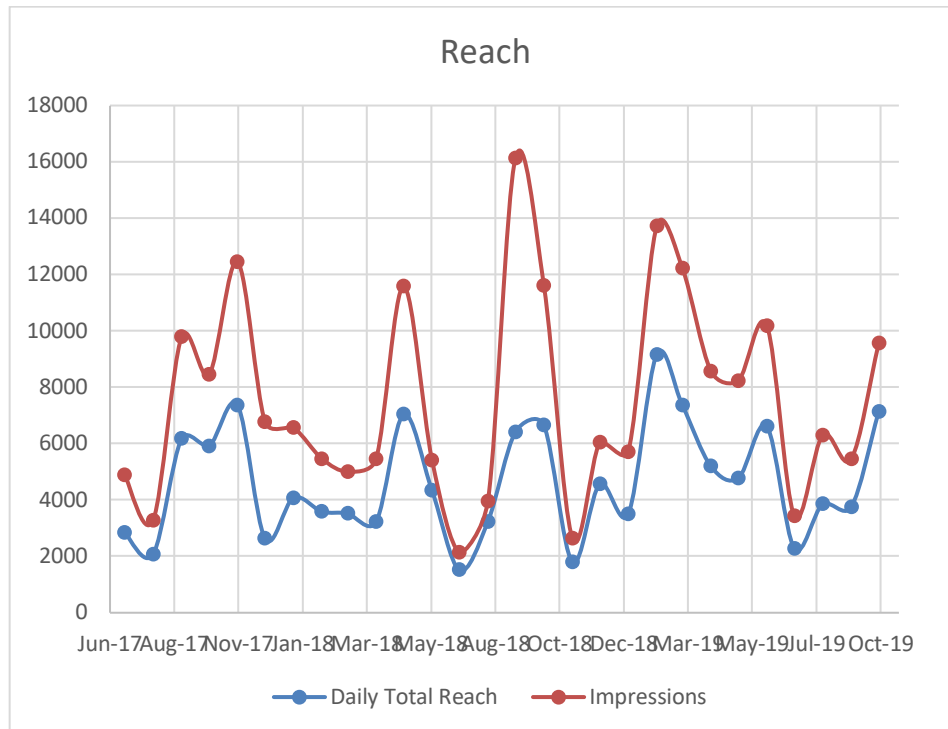
The upcoming fishery survey events are being conducted to update information on the aquatic communities within Lake Elsinore. As part of the surveys, researchers will also collect fish tissue samples for analysis of organic and nutrient concentrations. Scientists will use the fish community data collected to propose recommendations to: 1) improve the Lake Elsinore fishery and habitat to support efforts to implement proposed revisions to Lake Elsinore's Total Maximum Daily Loads (TMDL) for nutrients; 2) determine the need for additional harvesting of nuisance fish, like Carp and Shad, that can negatively impact the water quality; and 3) determine the appropriate fish species for future fish stockings in the lake.

The goal of LESJWA's new Fishery Management Plan is to identify ways to improve trophic conditions to a more desirable state in the lake, such as nuisance fish control, zooplankton

TASK 3 Prepare Materials and Establish/ Manage Facebook Social Media

September had the highest amount of engaged users in the last six months and also the highest reach since May 2019. Moving into the new fiscal year we will be creating messaging for social media that simplifies TMDLS and complex issues concerning the watershed.





Lake Elsinore & San Jacinto Watersheds Authority
 Published by Liselle DeGrave [?] · September 10 at 3:25 PM · 🌐

Did you feel the recent earthquake? These are always a great reminder to be prepared! Make sure you have stored at least one gallon of water per person, for three days.
https://ktla.com/.../preliminary-magnitude-3-9-earthquake-sh...

KTLA.COM
Magnitude 4.0 Earthquake Shakes Wildomar Area, Felt Throughout SoCal

1,910
People Reached

252
Engagements

Boost Again

Boosted on Sep 10, 2019 By Liselle DeGrave Completed

People Reached

1.4K

Post Engagement

175

View Results

👍👏 Yvette Gonzalez, Giovanni LiCalsi and 94 others 2 Comments 25 Shares

👍 Like
💬 Comment
➦ Share

Performance for Your Post

1,910 People Reached

164 Reactions, Comments & Shares ⓘ

93 👍 Like	74 On Post	19 On Shares
36 😲 Wow	23 On Post	13 On Shares
2 😞 Sad	0 On Post	2 On Shares
7 Comments	2 On Post	5 On Shares
27 Shares	25 On Post	2 On Shares

88 Post Clicks

0 Photo Views	61 Link Clicks ⓘ	27 Other Clicks ⓘ
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NEGATIVE FEEDBACK

0 Hide Post

0 Report as Spam

0 Hide All Posts

0 Unlike Page

Insights activity is reported in the Pacific time zone. Ads activity is reported in the time zone of your ad account.

Video

Post

Shares

See metrics for all videos

ONTARIO
5:35 6:41
SPECTRUM NEWS 1
LEAD SIGNIFICANT RETURNS, AS COUNTRIES AVOID CATASTROPHIC LOSSES AND BOOST THEIR ECO

Lake Elsinore & San Jacinto Watersheds Authority: Lake Elsinore Fish Survey...
The first of three Lake Elsinore fish surveys was featured on the Spectrum News 1. The survey is aimed to improve the overall health of the lake and improve its fishery.

4:34 · Uploaded on 09/10/2019 · View Permalink · Copy Video ID

Performance for Your Post

Minutes Viewed	477
1-Minute Video Views	79
10-Second Video Views	427
3-Second Video Views	1,100
Average Video Watch Time	0:15
Audience Retention	
Audience and Engagement	

Lake Elsinore & San Jacinto Watersheds Authority
Published by Liselle DeGrave · July 31 ·

The Railroad Canyon Dam was completed in 1929 and was later improved in 1996. The Dam created the Railroad Canyon Reservoir, which has the capacity to hold 3.9 billion gallons of water.

Lake Elsinore & San Jacinto Watersheds Authority

Get More Likes, Comments and Shares
Boost this post for \$10 to reach up to 1,500 people.

1,258
People Reached

193
Engagements

Boost Post

Nicole Dailey, Keely Mires and 14 others · 2 Comments 7 Shares

Like

Comment

Share

Performance for Your Post

1,258 People Reached

90 Reactions, Comments & Shares

64 Like	16 On Post	48 On Shares
7 Love	0 On Post	7 On Shares
12 Comments	3 On Post	9 On Shares
7 Shares	7 On Post	0 On Shares

103 Post Clicks

21 Photo Views	0 Link Clicks	82 Other Clicks
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NEGATIVE FEEDBACK

0 Hide Post

0 Hide All Posts


0 Report as Spam

0 Unlike Page

Reported stats may be delayed from what appears on posts

TASK 4 Provide Outreach and Administration for Project Management Purposes

DeGrave Communications provided administrative support for the quarterly education and outreach committee meeting on July 9th. Additionally, media monitoring for news clips was provided.



City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

EDUCATION AND OUTREACH COMMITTEE

*Tuesday, July 9, 2019, 12:00 p.m.
Elsinore Valley Municipal Water District
31315 Chaney Street, Lake Elsinore, CA 92531*

- Call to Order
- Additions/Corrections to Agenda
- Approval of Meeting Notes
- Lake Levels
 - Current Lake Levels:
 - Lake Elsinore – 1,240.50 (July 2)
 - Canyon Lake – 1,379.60 (July 2)
 - Lake Levels at Last Meeting:
 - Lake Elsinore – 1,241.41 (April 16)
 - Canyon Lake – 1,381.39 (April 16)
- Lake Watch 2019 Update
- Quarterly Activity Report April – June 2019
- TMDL Social Media Outreach Update
- Discuss Items for Next Agenda
- Next Meeting Date

Date/Time: _____

Location: _____

THE PRESS-ENTERPRISE

Lake Elsinore fish survey aims to preserve 'jewel of the city'



Lake Elsinore Volunteer Coordinator Joe Kearney, right, weighs a carp as scientists, city staff and volunteers survey the lake's fish population Wednesday, Sept. 4. This was the first of three surveys to count, weigh, tag and release the fish. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG)

By **DAVID DOWNEY** | ddowney@scng.com | The Press-Enterprise
PUBLISHED: September 7, 2019 at 9:00 am | UPDATED: September 7, 2019 at 11:02 am

Joe Kearney helped pull the 450-foot-long, quarter-inch mesh net to Elm Grove Beach on Lake Elsinore's eastern shore and place fish in a large plastic bin.

"I almost lost them a couple of times," said the volunteer coordinator for the city of Lake Elsinore.

Kearney then measured, weighed and tagged the fish.



Senior Watershed Manager Rick Whetsel, of the Santa Ana Watershed Project Authority, right, helps load the net onto a boat Wednesday, Sept. 4, during a survey of Lake Elsinore's fish population. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG)

He was among 15 volunteers, scientists and city officials who spent Wednesday, Sept. 4, catching fish at three locations on Lake Elsinore. The fish were evaluated, then tossed back into the water.

Led by Chris Stransky, senior aquatic scientist and toxicology program manager for Wood Environment and Infrastructure Solutions in San Diego, the team intends to return two more times — in late September and early October — to capture and evaluate more fish. They are assessing the number and type of fish in Lake Elsinore, levels of pollution in the 3,000-acre body of water and the overall health of the lake environment.

Stransky said the study, expected to be completed by early 2020, builds on the last such fish survey conducted more than a decade ago.

"We're hoping to find an improvement in the fishery," Lake Elsinore Mayor Steve Manos said, "and to identify ways in which we can continue to improve the fishery."

The survey is being directed by the Lake Elsinore and San Jacinto Watersheds Authority.

City officials have been branding the community of 45,000 as an action sports capital and recreation mecca. And their city's namesake lake is a big part of that.

"We know that the lake is the jewel of the city," Manos said.

With that in mind, the city recently completed a \$15 million makeover of a city-owned campground and rebranded it Launch Pointe Recreation Destination & RV Park. However, the jewel hasn't always sparkled.

Lake levels have fluctuated wildly between wet and dry years.

And in the early 2000s, scientists decided there were too many carp there. They proceeded to remove 1.3 million pounds of the largely unwanted fish, Stransky said.

The survey will help determine whether another such carp removal project should be tackled, he said.

"The carp are considered a nuisance species," Stransky said. "From a water-quality standpoint, they stir up the bottom of the mud.

"And by doing that they release nutrients into the lake, and those nutrients create a food source for algae."

Called "bottom feeders," carp tend to "root through the sediments to look for food," he said.

Carp also eat the eggs of more desirable sport fish. So, he said, by culling the carp population, scientists can reduce the threat of algae blooms and promote a healthier fishery.

Such blooms typically are associated with hot summer weather and low oxygen levels and have triggered massive fish die-offs. But the lake also experienced a sudden die-off last Christmas, when temperatures were moderate, during the bloom of a type of algae not normally found there.

"We had carp literally jumping out of the lake because they were being suffocated by golden algae," Manos said.

But improving the lake environment isn't merely a matter of getting rid of carp. Stocking catfish, bluegill, redear sunfish and black crappie has increasingly become a go-to strategy for the city.

At the same time, it's important to strike a balance, Stransky said.

Fishing enthusiasts tend to love stocking because it places lots of their favorite sport fish near their fishing hooks. But, he said, those fish tend to eat smaller shad fish, which in turn eat zooplankton, tiny crustaceans that are a crucial component of a healthy lake.

"We want to have a healthy zooplankton population because they eat the algae," Stransky said, calling them "little filters."

"They are also a food source for fish," he said.

Another component of building a healthier fishery, Stransky said, could entail creating fish habitat, such as underwater structures smaller fish can hide in.

As well, he said, the survey will assess water quality and try to determine to the degree that the 2018 Holy fire contaminated water by washing ash and chemicals into the lake.

In short, said Johnathan Skinner, the city's director of community services, it is hoped that the survey will "bring our fishery to the next level.

BUSINESS BREAKING NEWS

Update latest business news

Lake Elsinore fish survey aims to preserve 'jewel of the city'

🕒 SEPTEMBER 7, 2019 👤 COM 💬 LEAVE A COMMENT

By David Downey | ddowney@scng.com | The Press-Enterprise

PUBLISHED: September 7, 2019 at 9:00 am | UPDATED: September 9, 2019 at 10:37 am

Joe Kearney helped pull the 450-foot-long, quarter-inch mesh net to Elm Grove Beach on Lake Elsinore's eastern shore and place fish in a large plastic bin. "I almost lost them a couple of times," said the volunteer coordinator for the city of Lake Elsinore. Kearney then measured, weighed and tagged the fish. Senior Watershed Manager Rick Whetsel, of the Santa Ana Watershed Project Authority, right, helps load the net onto a boat Wednesday, Sept. 4, during a survey of Lake Elsinore's fish population. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG) Lake Elsinore Volunteer Coordinator Joe Kearney prepares to release a carp Wednesday, Sept. 4, during a survey of the lake's fish. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG) Sound The gallery will resume inseconds Senior Aquatic Scientist Kevin Stolzenbach, left, of Wood Environment and Infrastructure Solutions, left, and Lake Elsinore Volunteer Coordinator Joe Kearney, weigh a carp Wednesday, Sept. 4, during a fish survey. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG) Scientists, city staff and volunteers pull fish from a net Wednesday, Sept. 4, as they survey Lake Elsinore's fish population. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG) A carp is tagged Wednesday, Sept. 4, during a survey of fish in Lake Elsinore. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG) Scientists, city staff and volunteers pull fish from... [\[Read full story\]](#)

BAY AREA

Toxic algae warning for certain lakes, reservoirs in Bay Area



by: Rob Fladeboe

Posted: Sep 2, 2019 / 06:07 PM PDT / Updated: Sep 2, 2019 / 06:07 PM PDT

SAN JOSE (KRON) – The holiday weekend came with a warning for people headed to certain lakes and reservoirs around the region.

There's something in the water that could potentially make you and your pets sick.

Almaden Lake is closed due to high levels of toxic algae.

Toxic algae has killed dogs across the country this summer and now California is on alert as well.

Warning signs are posted at Almaden Lake Park and across town at Lake Cunningham.

Richard Pena went for a walk this morning but he left his dog at home after the state water resources control board issued a warning about harmful blue-green algae, which can make people sick and kill animals.

The Water Board released a map of the lakes and reservoirs with a dangerous level of toxic algae, which includes Almaden Lake and Lake Cunningham in San Jose, Quarry Lakes in Fremont as well as Big Bear Lake, Lake Elsinore and San Luis Reservoir, among others.

As he picnicked with his family, Mark Tavela said his kids would be going nowhere near the water.

Blue-green algae produce toxins called cyanobacteria.

They occur naturally in freshwater but can proliferate during warm weather.

Algae blooms have plagued Lake Cunningham for years.

Richard Pena said he knows of at least two dogs who got sick after their owners ignored those warning signs.

The algae can also harm fish.

Despite that, there were several people fishing but said they were 'catch and release' fishermen.

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58°

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MADNESS**

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SEPTEMBER 27**

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BEAT THE HEAT
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**EVERY
THURSDAY**

PLEASE PLAY RESPONSIBLY

Toxic Algae Warning Issued For Some California Lakes, Reservoirs

August 30, 2019 at 4:54 pm Filed Under: Almaden Lake, Big Bear Lake, California, Lake Elsinore, Lake Isabella, San Luis Reservoir, Toxic Algae



SACRAMENTO, Calif. (AP) — California water officials on Friday warned people who plan to enjoy the state's lakes and reservoirs this Labor Day weekend to be cautious about harmful blue-green algae.

State Water Resources Control Board said some areas of at least 10 lakes and reservoirs have a "danger" level of algal toxin, which can make people sick and kill animals.

The board released a map of the lakes and reservoirs with a dangerous level of toxic algae, which includes Big Bear Lake, Lake Elsinore, Lake Isabella, San Luis Reservoir and Almaden Lake.

Officials are recommending people and their pets and livestock stay out of the water and avoid drinking it until further notice.

Algae blooms that produce toxins and can sicken swimmers and harm fish are becoming an increasing concern nationwide, causing water warnings this year throughout the country.

In North Carolina, dog owner Melissa Martin said three of her dogs died earlier this month following a swim in a pond in Wilmington that contained blue-green algae. Martin said she took her west highland white terriers to the pond on Aug. 8 and they began seizing when they returned home. They were taken to an animal emergency room but died the next day.

Commonly known as blue-green algae, cyanobacteria produce toxins that on humans can cause nausea, vomiting, diarrhea, rash, irritated eyes, seizures and breathing problems.

Cyanobacteria occur naturally in many freshwater systems and can proliferate rapidly under the right conditions of shallow water, warm weather, plentiful sunshine and still, nutrient-rich water.



Regional Agricultural Pipeline Conversion protects recycled water resources in Lake Elsinore

Last updated 9/13/2019 at 2:06am

Courtesy photo

Elsinore Valley Municipal Water District, Riverside County Flood and Water Conservation District and the city of Lake Elsinore have transformed an abandoned agricultural pipeline that will move water from the district's Regional Water Reclamation Facility into Lake Elsinore.



LAKE ELSINORE – Recycled water, which once flowed through an open channel used by Elsinore Valley Municipal Water District, is now being transported through a repurposed pipeline, improving flows into Lake Elsinore. Collectively, Elsinore Valley Municipal Water District, Riverside County Flood and Water Conservation District and the city of Lake Elsinore have transformed an abandoned agricultural pipeline that will move water from the district's Regional Water Reclamation Facility into Lake Elsinore. Previously, an open channel, which runs from Chaney Street to the lake outlet near Limited Street, was originally created to carry floodwaters out of Lake Elsinore. The new Regional Agricultural Pipeline Conversion diverts water from the open channel and connects it to an existing agricultural water pipeline.

"The Regional Agricultural Pipeline Conversion eliminates vegetation growth, reduces maintenance costs, decreases evaporation and evapotranspiration and improves water flows into Lake Elsinore," Andy Morris, president of the water district board, said. "In partnership with RCFCWCD and the city of Lake Elsinore we have been able to cost-share the expenses for this project. It is a mutually beneficial project that benefits our region and our watershed."



Courtesy photo

The new Regional Agricultural Pipeline Conversion diverts water from the open channel and connects it to an existing agricultural water pipeline.

Each year, Lake Elsinore loses approximately 4 1/2 feet of water due to evaporation. Since 2003, Elsinore Valley Municipal Water District has supplemented highly-treated and regulated recycled water into the lake to offset evaporation. Historically, Lake Elsinore has suffered with challenges relating to water quality. As the largest natural lake in Southern California, Lake Elsinore is vulnerable to hot temperatures, limited rainfall and an excess of nutrients due to its location at the end of the watershed. The supplemental recycled water provides an additional source of water for the lake. RCFCWCD will continue to maintain jurisdiction over the channel.

Elsinore Valley Municipal Water District provides service to over 155,000 water and wastewater customers in a 97-square mile service area in western Riverside County. The district is a sub-agency of the Western Municipal Water District and a member agency of the Metropolitan Water District of Southern California. Visit the district's website at <http://www.evmwd.com> for additional information.

Submitted by Elsinore Valley Municipal Water District.



IN THE COMMUNITY

SPONSORED BY

 **TOYOTA**



#abc7eyewitness 5:28 95°



PASADENA
5:33 62°

SPECTRUM NEWS 1

FISH SURVEY

HEALTH OF LAKE ELSINORE

CONTEND WITH: NEARLY ALL OF THE 50 STATES

ALIBABA FOUNDER JACK MA STEPS DOWN

dc

DE GRAVE
COMMUNICATIONS, INC.
PUBLIC RELATIONS

TASK 5 Provide Issues Management Services

No issues management services were conducted during this period of time.

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**LAKE ELSINORE/CANYON LAKE TMDL TASK FORCE
MEETING NOTES**

August 14, 2019

PARTICIPANTS

Charles Russell
Daniel Cortese
Rita Thompson
Cynthia Gabaldon
Maria Arreguin
Mike Roberts
Paul Merrill
Ankita Vyas
Dave Woelfel
Amy McNeill
Andrea Gonzalez
Rebekah Guill
Sudhir Mohleji
Tim Moore
Richard Meyerhoff
Tess Dunham
Chris Stransky
John Rudolph
Garth Engelhorn
Roger Turner
Karen Breucop
Rick Whetsel

REPRESENTATIVE

City of Hemet
City of Hemet
City of Lake Elsinore
City of Perris
City of Perris
City of Riverside
City of San Jacinto
Michael Baker/Caltrans
Regional Water Quality Control Board
Riverside County Flood Control & WCD
Riverside County Flood Control & WCD
Riverside County Flood Control & WCD
Elsinore Valley Municipal Water District
Risk Sciences
GEI Consultants
Somach Simmons & Dunn
Wood Environmental
Wood Environmental
Alta Environmental
Roger Turner & Associates
Santa Ana Watershed Project Authority
Santa Ana Watershed Project Authority

VIA-CONFERENCE CALL

Haile Ford
Doug Edwards
Pat Boldt
Steven Wolosoff
Kasey Castillo
Loren Sotelo

City of Menifee
Eastern Municipal Water District
WRCAC
CDM Smith
City of Canyon Lake
March JPA

Call to Order & Introductions

The Lake Elsinore/Canyon Lake TMDL Task Force meeting was called to order at 1:02 p.m. by Rick Whetsel at the Riverside County Flood Control & Water Conservation District, located at 1995 Market Street, Riverside, California.

Meeting Notes

Approval of the Meeting Notes from the June 19, 2019 Task Force meeting were deemed acceptable.

Discussion: Comments received regarding the Basin Plan Amendment to Update and Revise TMDLs (Risk Sciences)

Summarize Comments submitted to Regional Board by other (non-Task Force) Stakeholders (Risk Sciences)

Tim Moore /Risk Science informed the Task Force of public comments submitted to Regional Board regarding the Update to the LE&CL TMDLs. These included comments from the Orange County Coastkeeper (OCCK) expressing concerns over the use of cumulative distribution functions in lieu of water quality targets, as well as, the extension to the deadline for TMDL compliance. Mr. Moore explained that Ken Theisen discussed both of these issues in-depth during his presentation to the Regional Board at the workshop last May. Since representatives from the OCCK did not attend that workshop, it would be a good idea to schedule a meeting with them to avoid any misunderstanding about how the new targets will be enforced and how the new compliance schedules will work.

Mr. Moore noted that no other public comments (beyond Task Force stakeholders) were received by the Regional Board.

Status of State Peer Review Process (Regional Board Staff)

Barbara Berry /Santa Ana Regional Board informed the Task Force that the Peer Review is expected to be completed by the end of August. Following review of the Peer Review comments by Regional Board staff, the Peer Review will be made available to the Task Force. The Regional Board may request assistance from the Task Force's technical consultants in responding to Peer Review comments, if necessary.

Projected Schedule for next Regional Board Hearing/Workshop (Regional Board Staff)

Barbara Berry /Santa Ana Regional Board informed the Task Force that the LE&CL TMDL Update will be going out for a second round of Public Comment (45-days) and a Regional Board Hearing/Workshop will be scheduled for the fall/winter (October, December or February) depending on the level of effort to address comments.

Supplemental Technical Support Materials Needed? (Regional Board Staff)

Barbara Berry /Santa Ana Regional Board informed the Task Force that it is unknown at this time if additional/supplemental technical support materials are needed. We will have a better idea of needs following review of the Regional Board Peer Review.

Action Item: Proposed September 2019 Canyon Lake Alum Addition (LESJWA Staff)

Rick Whetsel /SAWPA updated the Task Force on issues related to a September alum application to Canyon Lake, noting that there is a question of need, due to improved Canyon Lake water quality, as well as, a question if nutrient offset credits for alum treatment will be available to stakeholders, based upon language added to the Regional Board Resolution.

Following discussion, the Task Force requested Mr. Moore to prepare the following:

- Recommendation to the Task Force, based upon the most recent water quality data collected by Wood Environmental, as to the need for a September 2019 alum application.
- Letter to Regional Board requesting confirmation that the alum application program will continue to be considered an approved offset program for the purpose of demonstrating compliance with the nutrient TMDLs established for Canyon Lake.

The Task will approve these items via-email vote.

SAWPA staff will coordinate with Aquatechnex and appropriate Task Force stakeholders for a Late September / October Canyon Lake Application based upon the recommendation of the Task Force.

Task Force Administration (LESJWA Staff)

Action Item: Change Order to TMDL Monitoring to address Additional Requirement for TP Offset Monitoring

Rick Whetsel /SAWPA informed the Task Force of the need for a Change Order to Wood Environmental for their contract to implement LE&CL TMDL water quality compliance monitoring. This Change Order is specific to the TN/TP Offset Monitoring being conducted to support LEAMS for an amount not to exceed \$10,972, which includes two (2) monthly sampling (August and September 2019) and duplicate depth-integrated samples collected as part of the offset monitoring program.

Following a brief discussion, a motion was put forward by Rita Thompson representing the City of Lake Elsinore and seconded by Sudhir Mohleji representing EVMWD to approve the Change Order using the \$10,000 available as contingency in the current agreement with Wood Environmental, with the additional new money of \$972 coming from the Task Force Reserve Fund.

Informational Item: Task Force Regulatory Strategist/Facilitator Tess Dunham of Somach Simmons & Dunn
Rick Whetsel /SAWPA informed the Task Force that the recommendation to approve a two-year agreement with Tess Dunham /Somach Simmons & Dunn will be going to the LESJWA Board for approval tomorrow, Thursday August 15th.

Presentation: Water Quality Impacts to Lake Elsinore from Holy Fire (John Rudolph/Wood Environmental)

John Rudolph /Wood Environmental provided an update and presentation on their effort to support the City of Lake Elsinore in evaluating the water quality impacts to Lake Elsinore from sediment runoff from the Holy Fire.

Following the presentation, Tim Moore requested Wood Environmental to conduct an additional toxicity test to confirm if the toxicity identified in the winter of 2018, which is presumed to be caused by Golden algae is still an issue in Lake Elsinore. The thought being that if no toxicity is identified now, during the summer, that possibly the toxicity was due specifically to the Golden algae, which is only present in the colder season.

Following a brief discussion, Wood Environmental confirmed that they would conduct an additional round of toxicity testing.

A copy of the Wood Environmental presentation is available on the SAWPA website under Agendas and Meeting Materials: <https://sawpa.org/task-forces/lake-elsinore-and-canyon-lake-tmdl-task-force/#stakeholder-effort>

Update: Lake Elsinore Fishery Management Program (John Rudolph/Wood Environmental)

John Rudolph /Wood Environmental provided a brief update and presentation on the Lake Elsinore Fishery Management Program activities. He noted that Wood Environmental is continuing to work on updates to finalize the program Workplan/QAPP.

The first zooplankton and phytoplankton samples were collected July 26th and the team is scheduled for its first beach seining event on September 4th.

A copy of the Wood Environmental presentation is available on the SAWPA website under Agendas and Meeting Materials: <https://sawpa.org/task-forces/lake-elsinore-and-canyon-lake-tmdl-task-force/#stakeholder-effort>

Other Business

David Woelfel /Santa Ana Regional Board inquired about the availability of water quality data from the Task Force to support the San Jacinto CWAD. Mr. Moore explained that the Task Force conducts surface water quality data to address TMDL compliance for the watershed and that there is no land use or site specific water quality data collected through the Task Force. Any land use or site specific water quality data to support the CWAD would be collected by WRCAC. Currently WRCAC is conducting a pilot study to create a water quality index tool for assessing water quality to support agricultural operators participating in the San Jacinto CWAD.

Schedule Next Meeting

The next LE&CL TMDL Task Force meeting is scheduled for Wednesday, September 25 at 9:00 a.m. at SAWPA.

Adjourn

The meeting adjourned at 3:50 p.m.

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LESJWA BOARD MEMORANDUM NO. 2019.16

DATE: October 17, 2019

SUBJECT: Lake Elsinore Fishery Management Plan and Survey Outreach

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION

The Board of Directors receive and file a status report from DeGrave Communications about the public information and outreach conducted as part of the previously authorized Lake Elsinore Fishery Management conducted by Wood Environment & Infrastructure Solutions, Inc.

DISCUSSION

In February 2019, LESJWA approved a task order with Wood Environment & Infrastructure Solutions, Inc. to provide services to oversee and implement Lake Elsinore Fishery Management. That task order included the following tasks:

- Task 1: Historic Data Review
- Task 2: Survey of Lake Elsinore Aquatic Fishery
- Task 3: Fish Tissue Sampling and Analysis
- Task 4: Future Fishery Management Activities Report
- Optional Task 5: Conduct Fish Removal

Project deliverables, including draft technical reports for project Tasks 1 through 4 are scheduled to be complete by January 31, 2020. The completion of the optional fish removal task will be determined based upon consultation with the Lake Elsinore and Canyon Lake Nutrient TMDL Task Force.

The Lake Elsinore Aquatic Fishery and Fish Tissue Sampling and Analysis has been conducted over the past two months. Fish netting, measuring and counting took place on Sept. 4th, Sept. 24th and Oct. xx. As part of this effort, the consultant worked closely with the City of Lake Elsinore to seek volunteer assistance in the fish netting, measuring and counting process at various locations around the lake. Various news reporting outlets and reporters were invited to the seining events and the news response was positive.

Liselle DeGrave of DeGrave Communications led the outreach efforts in close coordination with City of Lake Elsinore staff and volunteers and will provide a report of the fish survey events.

BACKGROUND

Concerns regarding the make-up, health and impacts to water quality of the fish population in Lake Elsinore resulted in the Lake Elsinore and Canyon Lake TMDL Task Force to request LESJWA staff to issue a RFP from qualified firms to assess conditions of the Lake Elsinore fishery and identify appropriate management measures for improving the fishery and supporting aquatic habitat. Based on an RFP, one consultant submitted a proposal and was selected, Wood Environment & Infrastructure Inc.

Work detailed in the RFP entailed a review of the 2005 Fisheries Management Plan for Lake Elsinore, past Lake Elsinore hydroacoustic fish surveys and to conduct a survey of the lake fishery, fish tissue analysis, carp removal and suggest any additional fishery management activities to support TMDL compliance.

BUDGET IMPACT

The TMDL Task Force FY 2018-19 and FY 2019-20 Budgets provided sufficient funds to conduct the Lake Elsinore Fishery Management program. All staff contract administration time for this contract will be taken from the TMDL budget and funded by the TMDL Stakeholders. All public outreach staff time associated with this work is included under DeGrave Communication's existing task order with LESJWA.

Attachment:

1. Press Enterprise Article
2. PowerPoint Presentation

LOCAL NEWS

Lake Elsinore fish survey aims to preserve 'jewel of the city'



Lake Elsinore Volunteer Coordinator Joe Kearney, right, weighs a carp as scientists, city staff and volunteers survey the lake's fish population Wednesday, Sept. 4. This was the first of three surveys to count, weigh, tag and release the fish. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG)

By **DAVID DOWNEY** | ddowney@scng.com | The Press-Enterprise

PUBLISHED: September 7, 2019 at 9:00 am | UPDATED: September 9, 2019 at 10:37



Joe Kearney helped pull the 450-foot-long, quarter-inch mesh net to Elm Grove Beach on Lake Elsinore's eastern shore and place fish in a large plastic bin.

"I almost lost them a couple of times," said the volunteer coordinator for the city of Lake Elsinore.

Kearney then measured, weighed and tagged the fish.

He was among 15 volunteers, scientists and city officials who spent Wednesday, Sept. 4, catching fish at three locations on Lake Elsinore. The fish were evaluated, then tossed back into the water.

Led by Chris Stransky, senior aquatic scientist and toxicology program manager for Wood Environment and Infrastructure Solutions in San Diego, the team intends to return two more times — in late September and early October — to capture and evaluate more fish. They are assessing the number and type of fish in Lake Elsinore, levels of pollution in the 3,000-acre body of water and the overall health of the lake environment.

Stransky said the study, expected to be completed by early 2020, builds on the last such fish survey conducted more than a decade ago.

"We're hoping to find an improvement in the fishery," Lake Elsinore Mayor Steve Manos said, "and to identify ways in which we can continue to improve the fishery."

The survey is being directed by the Lake Elsinore and San Jacinto Watersheds Authority.

City officials have been branding the community of 65,000 as an [action sports capital](#) and recreation mecca. And their city's namesake lake is a big part of that.

"We know that the lake is the jewel of the city," Manos said.

With that in mind, the city recently completed a [\\$15 million makeover of a city-owned campground](#) and rebranded it [Launch Pointe Recreation Destination & RV Park](#).

However, the jewel hasn't always sparkled.

Lake levels have fluctuated wildly between wet and dry years.



The survey will help determine whether another such carp removal project should be tackled, he said.

“The carp are considered a nuisance species,” Stransky said. “From a water-quality standpoint, they stir up the bottom of the mud.

“And by doing that they release nutrients into the lake, and those nutrients create a food source for algae.”

Called “bottom feeders,” carp tend to “root through the sediments to look for food,” he said.

Carp also eat the eggs of more desirable sport fish. So, he said, by culling the carp population, scientists can reduce the threat of algae blooms and promote a healthier fishery.

Such blooms typically are associated with hot summer weather and low oxygen levels and have triggered massive fish die-offs. But the lake also experienced a sudden die-off last Christmas, when temperatures were moderate, during the bloom of a type of algae not normally found there.

“We had carp literally jumping out of the lake because they were being suffocated by golden algae,” Manos said.

But improving the lake environment isn’t merely a matter of getting rid of carp. Stocking catfish, bluegill, redear sunfish and black crappie has increasingly become a go-to strategy for the city.

At the same time, it’s important to strike a balance, Stransky said.

Fishing enthusiasts tend to love stocking because it places lots of their favorite sport fish near their fishing hooks. But, he said, those fish tend to eat smaller shad fish, which in turn eat zooplankton, tiny crustaceans that are a crucial component of a healthy lake.

“We want to have a healthy zooplankton population because they eat the algae,” Stransky said, calling them “little filters.”

“They are also a food source for fish,” he said.

Another component of building a healthier fishery, Stransky said, could entail creating fish habitat, such as underwater structures smaller fish can hide in.



In short, said Johnathan Skinner, the city's director of community services, it is hoped that the survey will "bring our fishery to the next level."

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Tags: **environment**, **Top Stories PE**

David Downey

Dave is a general assignment reporter based in Riverside, writing about a wide variety of topics ranging from drones and El Nino to trains and wildfires. He has worked for five newspapers in four states: Wyoming, Colorado, Arizona and California. He earned a bachelor's degree in journalism from Colorado State University in 1981. Loves hiking, tennis, baseball, the beach, the Lakers and golden retrievers. He is from the Denver area.

[Follow David Downey @DavidDowneySCNG](#)



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Before Bride Said 'I Do', Her Stepdad Made An Announcement That Ruined The Wedding

By Bridesblush

[Bridesblush](#)

After 10 years of being a stepdad, this man's stepdaughter was getting married. But the way she planned her wedding...



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OUTREACH

Lake Elsinore Fishery Survey

Lake Elsinore & San Jacinto Watersheds Authority



City of Lake Elsinore • City of Canyon Lake • County of Riverside
Elsinore Valley Municipal Water District • Santa Ana Watershed Project Authority

October 17, 2019

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FISH SURVEY DATES:

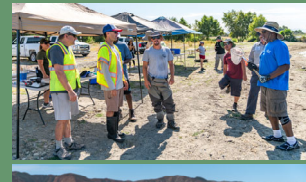
- September 4 (beach seining)
- September 24 (beach seining)
- October 8 (mid-lake trawl)
- October 9 (mid-water column purse seining)
- October 15 (beach seining)

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BUILDING AWARENESS

- Media relations
- Photography
- Social media



3

MEDIA RELATIONS



4

MEDIA MATERIALS



MEDIA ADVISORY

WEDNESDAY, August 7, 2019

FISH POPULATION SURVEYS TO CAPTURE, TAG, AND RELEASE FISH IN LAKE ELSINORE Data to be Used to Update Fishery Management Plan to Improve Water Quality

Three upcoming fish capturing survey events are planned to take place in Lake Elsinore in the coming months as part of the latest project by the Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) to improve the overall health of the lake and enhance its fishery. Scientists, staff and volunteers will attempt to net, capture, measure and tag as many fish and fish species as possible to determine short and long-term projects for Lake Elsinore. The fishery plan will aim to enhance lake quality by identifying recommendations for a balanced, self-sustaining sport fishery environment. Volunteers are sought to assist with netting, counting and releasing fish.

Date: Three different fish survey events are planned:
 — **Tuesday, August 6, 2:00 p.m. – 5:00 p.m.**
 — **Wednesday, September 4, 7:00 a.m. – 5:00 p.m.**
 — **Tuesday, September 24, 7:00 a.m. – 5:00 p.m.**
 — **DATE PENDING, DATE PENDING**

Location: Three locations will be netted each day. See attached map.
 The primary meeting location will be at the boat launch at:
Launch Pointe Recreation Destination & RV Park
 30000 Riverside Drive
 Lake Elsinore, CA

Photo Ops: This is a unique opportunity to see a fish population survey underway. The last netting fish population survey conducted in Lake Elsinore was in 2003.
 Volunteers, staff and scientists attempting to capture as many fish and fish species as possible from a variety of locations around the lake.
 — The netting process to skim the water and capture the fish.
 — Fish being removed from nets and placed into bins to be assessed.
 — A variety of fish species being counted, weighed, documented, tagged, and released.
 — Fish tissue samples being collected.

Contact: Nicole Doley, Assistant to the City Manager
ndoley@lake-elsinore.org (951) 833-5497

Media: Please confirm attendance to ensure space on boat/ dock is secured. You are welcome to attend at any time during the day. Please contact us upon arrival.

The Lake Elsinore & San Jacinto Watersheds Authority is a joint powers authority entrusted with state and local funds to improve water quality and wildlife habitats in Lake Elsinore, Canyon Lake, and the surrounding San Jacinto watershed. For more information about LESJWA, please visit

FOR IMMEDIATE RELEASE

WEDNESDAY, August 7, 2019

CONTACT:

Mark Norton

951-354-4221

MNorton@SARWA.org

Fishery Management Survey Underway in Lake Elsinore to Help Improve Habitat and Water Quality

Hands-on tag and release events to survey the fishery and identify short and long-term projects to improve water quality

LAKE ELSINORE, CA – Three fish capturing survey events are planned in Lake Elsinore as part of the latest project by the Lake Elsinore & San Jacinto Watersheds Authority (LESJWA) to improve the overall health of the lake and enhance its fishery.

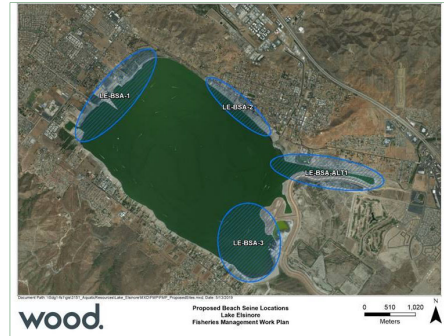
On **Wednesday, September 4**, Wood Environment & Infrastructure Solutions along with volunteers will begin efforts to net, capture, measure, tag and release fish as the next step for LESJWA's Fishery Management Plan. Two additional fish capturing events will take place on September 24th and on an additional pending date. Volunteers are being sought to assist with netting, counting, tagging, and releasing fish.

The project builds on our efforts over the last two decades to invest in the future of Lake Elsinore – a destination for fishing and recreation in Southern California.

Historically, efforts to develop a healthy, viable fish community in Lake Elsinore have been hampered by: 1) inadequate habitat and water quality conditions for fish and zooplankton reproduction and survival; 2) limited fish food resources; and, 3) multiple detrimental effects caused by abundant Common Carp and Shad.

The upcoming fishery survey events are being conducted to update information on the aquatic communities within Lake Elsinore. As part of the surveys, researchers will also collect fish tissue samples for analysis of organic and nutrient concentrations. Scientists will use the fish community data collected to propose recommendations to: 1) improve the Lake Elsinore fishery and habitat to support efforts to implement proposed revisions to Lake Elsinore's Total Maximum Daily Loads (TMDL) for nutrients; 2) determine the need for additional harvesting of nuisance fish, like Carp and Shad, that can negatively impact the water quality; and 3) determine the appropriate fish species for future fish stockings in the lake.

The goal of LESJWA's new Fishery Management Plan is to identify ways to improve trophic conditions to a more desirable state in the lake, such as nuisance fish control, zooplankton



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THE PRESS ENTERPRISE

THE PRESS-ENTERPRISE

Lake Elsinore fish survey aims to preserve 'jewel of the city'



Lake Elsinore Volunteer Coordinator Joe Kearney, right, weighs a carp as scientists, city staff and volunteers survey the lake's fish population Wednesday, Sept. 4. This was the first of three surveys to count, weigh, tag and release the fish. (Photo by Jennifer Cappuccio Maher, Inland Valley Daily Bulletin/SCNG)

By **DAVID DOWNEY** | ddowney@scng.com | The Press-Enterprise
 PUBLISHED: September 7, 2019 at 9:00 am | UPDATED: September 7, 2019 at 11:02 am

Joe Kearney helped pull the 450-foot-long, quarter-inch mesh net to Elm Grove Beach on Lake Elsinore's eastern shore and place fish in a large plastic bin.

"I almost lost them a couple of times," said the volunteer coordinator for the city of Lake Elsinore.

Kearney then measured, weighed and tagged the fish.



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VALLEY NEWS



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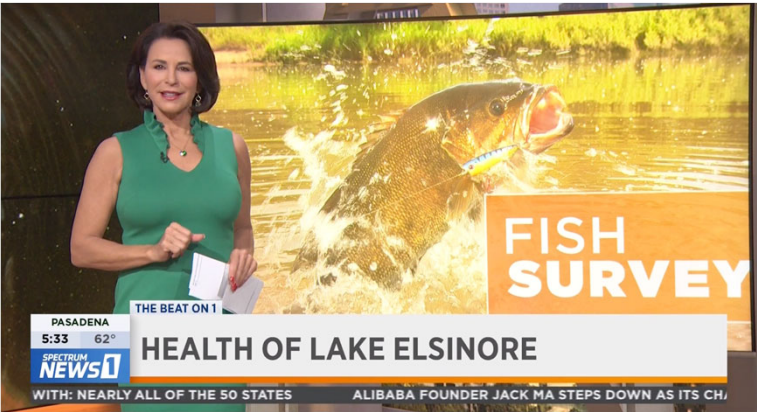
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Video Content

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SPECTRUM NEWS 1



10

Video Content

11

PHOTOGRAPHY

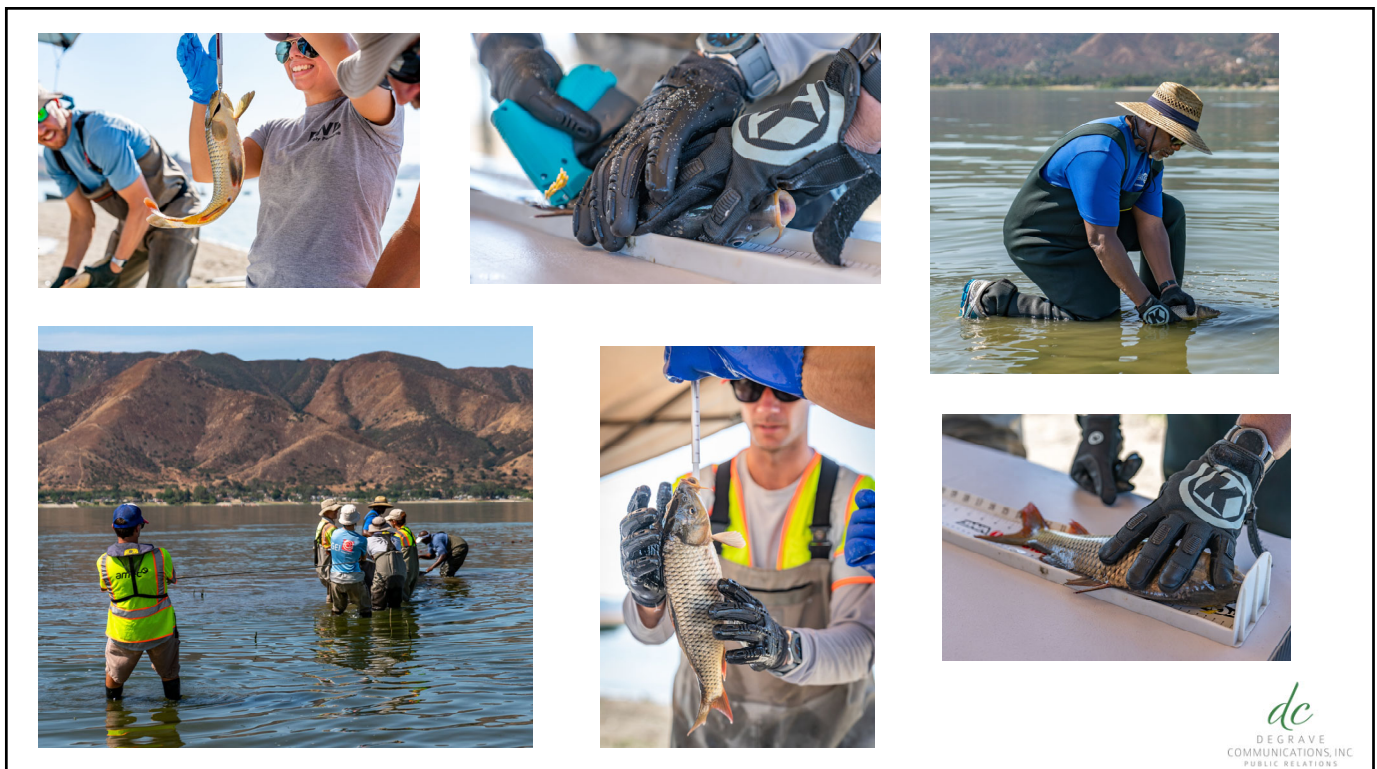


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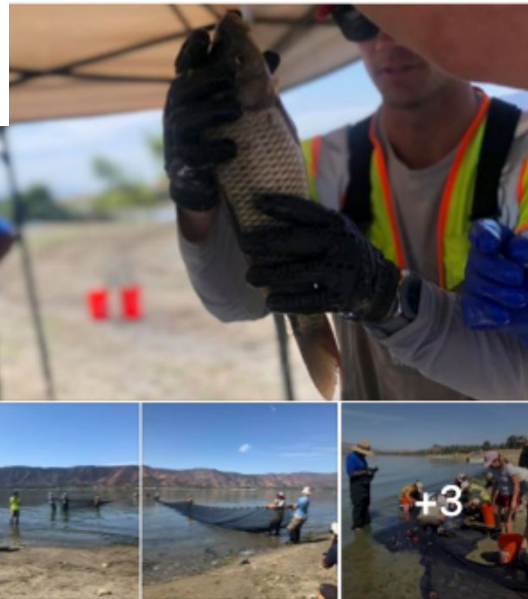
SOCIAL MEDIA

Lake Elsinore & San Jacinto Watersheds Authority
September 11 at 12:35 AM · 🌐

The first of three Lake Elsinore fish surveys was featured on the Spectrum News 1. The survey is aimed to improve the overall health of the lake and improve its fishery.



Lake Elsinore & San Jacinto Watersheds Authority added 6 new photos to the album: Fishery Management Survey — in Lake Elsinore, California.
September 4 · 🌐



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FACEBOOK

Lake Elsinore & San Jacinto Watersheds Authority
September 18 at 7:30 AM · 🌐

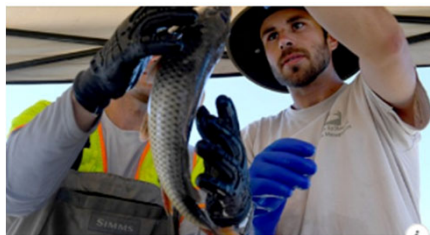
The Lake Elsinore fishery survey is one of the projects that LESJWA is involved in to help gain a better understanding of the water quality of the Lake. #WatershedWednesday



Interesting to see if there's anything other than carp and channel cat left in the survey, we need to increase the bass population, or introduce wipers again to eat the carp and provide fun fishing.

Lake Elsinore & San Jacinto Watersheds Authority
September 9 at 9:11 PM · 🌐

Last week LESJWA began a fish survey that will give updated information on the aquatic communities within Lake Elsinore. This was the first of three survey events that will take place aimed at improving the overall quality of the lake and enhance its fishery. https://www.pe.com/.../lake-elsinore-fish-survey-aims-to-pre-...



PE.COM
Lake Elsinore fish survey aims to preserve 'jewel of the city'
Officials are also checking pollution levels and water quality in a...

Would love to see this lakefront come back it could be great again!

Lake Elsinore & San Jacinto Watersheds Authority
September 11 at 12:35 AM · 🌐

The first of three Lake Elsinore fish surveys was featured on the Spectrum News 1. The survey is aimed to improve the overall health of the lake and improve its fishery.



Are you going to send the fish out for testing? I would love to know if the lake is getting worse or better?

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16

QUESTIONS?



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LESJWA BOARD MEMORANDUM NO. 2019.17

DATE: October 17, 2019

SUBJECT: Lake Elsinore Advanced Pumped Storage Project (LEAPS) Update

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION

Staff recommends that the Board of Directors receive and file this status report on Nevada Hydro Company's, Inc. (Nevada Hydro) Lake Elsinore Advanced Pumped Storage (LEAPS) Project.

BACKGROUND

Nevada Hydro is still currently seeking to file a license application through the Federal Energy Regulatory Commission (FERC) for the LEAPS Project. Thereafter and concurrent with this application, many other permits and CEQA work would be required before the project can move into implementation.

The proposed project would consist of the following: (1) a new upper reservoir with a 200-foot high main dam and storage of 5,750 acre-feet to be located in the mountains above Lake Elsinore, (2) a 21-foot diameter concrete power shaft and power tunnel with two steel lined penstocks, (3) an underground powerhouse with two reversible pump-turbine units with a total capacity of 500 megawatts, (4) an existing lower reservoir (Lake Elsinore), and (5) about 32 miles of 500 kV transmission line connection the project to an existing transmission line owned by Southern California Edison located north of the proposed project and to an existing San Diego Gas & Electric Company transmission line located to the south.

On August 30, 2019, the City of Lake Elsinore filed its motion to intervene and comments with the Federal Energy Regulatory Commission (FERC). FERC was soliciting motions to intervene and protests as stated in their notice dated July 26, 2019.

LESJWA has contacted the SWRCB to determine the status of the CEQA and NEPA for the project. Karmina Padgett, Water Resource Control Engineer, Division of Water Rights for SWRCB reported that their agency has filed a Notice of Intervention following FERC's acceptance of a Final License Application (FLA). This is a standard protocol for the State Board and allows them to participate in the process moving forward. They are likely to have items to comment on, once the CEQA process commences. They anticipate that their CEQA process will begin in the next 6 months. SWRCB will not be filing any comments regarding the technical nature of the application though.

Ms. Padgett also stated that LEAPS must also go through the NEPA process as well. In this case, because the applicant is not a public agency, the State Water Board will be the CEQA-lead agency. In order to fulfill CEQA requirements, the applicant must enter into a third-party MOU contract (between SWRCB, the Applicant and an environmental consultant). The SWRCB is in the process of developing this MOU and anticipate it will be signed by all parties in the next 6 months, therefore kicking off the CEQA process.

A status report about the project will be made by LEAPS representatives to the LESJWA Board as requested by the LESJWA Board.

BUDGET IMPACT

None.

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LESJWA BOARD MEMORANDUM NO. 2019.18

DATE: October 17, 2019

SUBJECT: Lake Elsinore Grant Application Status

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION

Staff recommends that the Board of Directors receive and file this status report regarding the Physical Harvesting of Algal Biomass in Lake Elsinore, a pilot project which was submitted as a grant request to SAWPA's One Water One Watershed Proposition 1 IRWM Round 1 Grant program.

BACKGROUND

As part of the Santa Ana Watershed Project Authority's (SAWPA) One Water One Watershed (OWOW) "Call for Projects" for Proposition 1 Integrated Regional Water Management Round 1 Grant program, two projects related to lake improvements were submitted. One project submitted by the City of Lake Elsinore with the assistance of LESJWA staff was the Physical Harvesting of Algal Biomass in Lake Elsinore – Pilot Project. This project proposes the removal of lake algae through the use of floating barge system that will remove algae from the lake and then be harvested for biofuels, soil amendments or disposal for composting. The project was discussed in the recent TMDL Update Technical Report as a cost-effective means to remove nutrients contained within the algae that often die off sink to the lake bottom and then resuspend nutrients back into the water column further exacerbating the algae growth. The project is estimated to cost \$297,000 and no local funding match is proposed or required since it supports disadvantaged communities that predominantly surround the lake.

Based on the rating and ranking, the City of Lake Elsinore project, Physical Harvesting of Algal Biomass in Lake Elsinore – Pilot Project will be recommended for funding to DWR. The other project submitted by local agencies, Canyon Lake Dredging Project, unfortunately ranked low and was not recommended for funding by the watershed stakeholders, OWOW Steering Committee and the SAWPA Commission. It may be eligible for funding when more details are defined for the project perhaps for Round 2 of Prop 1 IRWM grant program in FY20/21.

The City of Lake Elsinore staff worked closely with SAWPA staff for a presentation about the project as part of a DWR Pre-Application Workshop held on August 14th at SAWPA. This Pre-Application Workshop provided the State a preview of the suite of 11 projects to be submitted by SAWPA to DWR for the Prop 1 IRWM Round 1 grant program. Since that meeting, SAWPA and the City of Lake Elsinore have received feedback from State officials on ways the project application can be improved. Work is now underway by SAWPA and its consultant to collect and prepare the final SAWPA grant application to DWR which includes the City of Lake Elsinore's project along with the 10 other projects short listed by SAWPA for grant funding. The final grant application is expected to be submitted on Nov. 1, 2019.

RESOURCES IMPACT

Since the Lake Elsinore project is fully surrounded by disadvantaged communities, it will be eligible for funding under the Prop 1 IRWM program specifically set aside to assist disadvantaged communities and will not require a local matching share.

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LESJWA BOARD MEMORANDUM NO. 2019.19

DATE: October 17, 2019

SUBJECT: Lake Elsinore & Canyon Lake Nutrient TMDL Task Force Update

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION

Staff recommends that the LESJWA Board receive and file status report regarding the Lake Elsinore and Canyon Lake Nutrient TMDL Revision Report and the Lake Elsinore and Canyon Lake TMDL Task Force activities.

DISCUSSION

On May 3, 2019, the Santa Ana Regional Water Quality Control Board held a public workshop regarding the potential amendments to the Water Quality Control Plan for the Santa Ana River Basin to revise the Total Maximum Daily Loads (TMDL) for nutrients in Lake Elsinore, Canyon Lake, and the San Jacinto Watershed. The Regional Board has stated that pursuant to Clean Water Act Section 303(d), Lake Elsinore and Canyon Lake were identified as water quality limited segments, that is, applicable water quality standards (beneficial uses and water quality objectives) are not being attained or are not expected to be attained with the implementation of technology-based controls. The impairment of Lake Elsinore and Canyon Lake is due, in part, to excessive algae growth caused by excessive concentrations of nutrients. To correct the ongoing impairment of the lakes due to excessive nutrients the Regional Board, in 2004, adopted TMDLs (2004 TMDLs) for nutrients in the Lakes that established Numeric Targets for nutrients and algae in the Lakes, Load Allocations for sources of nutrients discharged to the Lakes and an Implementation Plan.

The Regional Board has also stated there have been significant improvements in the water quality in both lakes due to the implementation of nutrient load reduction and sediment nutrient flux reduction projects, by watershed stakeholders, since the adoption of the 2004 TMDLs. However, additional nutrient load reductions are needed to ensure the beneficial uses of the Lakes are protected and excessive nutrient and algae concentrations are further reduced.

A Draft Staff Report/TMDL Revision Technical Report (TMDL Revision Technical Report) was prepared by the watershed stakeholders and Regional Board staff. This report contains all the required elements for revision of the 2004 TMDLs, including revised Numeric Targets for both Lakes to require further reductions of nutrients discharged to the Lakes and an updated Implementation Plan.

At the May 3rd workshop, the results of the Draft TMDL Revision Technical Report were discussed with presentations by Regional Board staff, Steve Wolosoff of CDM Smith and others who wrote much of the report and LESJWA staff. The LESJWA Board chair, Brenda Dennstedt, also shared her support for LESJWA and the collaborative work of the Lake Elsinore/Canyon Lake TMDL Task Force. The Draft TMDL Revision Report has now gone through peer review and the Regional Board staff are preparing responses. Some delays have occurred due to some Regional Board staff retirements who were working on the report. Another workshop may be planned to depend on Peer Review and Public Comments, and then a Public Hearing for the Board to consider adoption in early 2020.

The LE/CL TMDL Task Force activities continue to support the TMDL update, monitoring activities and has sent out invoices in accordance with the approved FY 19-20 Budget.

BUDGET IMPACT

None.

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LESJWA BOARD MEMORANDUM NO. 2019.20

DATE: October 17, 2019

SUBJECT: Regional Agricultural Pipeline Conversion Project

TO: LESJWA Board of Directors

FROM: Mark R. Norton, P.E., Authority Administrator

RECOMMENDATION

The Board of Directors receive and file a status report about the completion of the Regional Agricultural Pipeline Conversion project.

DISCUSSION

In 2016, the construction of a new pipeline extension and renovation of an abandoned agricultural pipeline that would deliver recycled water from EVMWD Regional Water Reclamation Facility to Lake Elsinore was proposed. Previously recycled water flowed through an open channel used by Elsinore Valley Municipal Water District (EVMWD) to help stabilize the lake levels of Lake Elsinore. The proposed project reflected the collective efforts, EVMWD, Riverside County Flood and Water Conservation District (RCFCWCD) and the City of Lake Elsinore to transform an abandoned agricultural pipeline that will move water from EVMWD's Regional Water Reclamation Facility into Lake Elsinore. Previously, an open channel, which runs from Chaney Street to the lake outlet near Limited Street, was originally created to carry floodwaters out of Lake Elsinore.

The new Regional Agricultural Pipeline Conversion, recently completed in early Sept. 2019, diverts water from the open channel and connects it to an existing agricultural water pipeline. The Regional Agricultural Pipeline Conversion eliminates vegetation growth, reduces maintenance costs, decreases evaporation and evapotranspiration, and improves water flows into Lake Elsinore. This project was completed based on a partnership with RCFCWCD and the City of Lake Elsinore which allowed a cost-share of expenses for this project.

BACKGROUND

Each year, Lake Elsinore loses approximately 4 ½ feet of water due to evaporation. Since 2003, EVMWD has supplemented highly-treated and regulated recycled water into the lake to offset evaporation. Historically, Lake Elsinore has suffered with challenges relating to water quality. As the largest natural lake in Southern California, Lake Elsinore is vulnerable to hot temperatures, limited rainfall and an excess of nutrients due to its location at the end of the watershed. The supplemental recycled water provides an additional source of water for the lake. RCFCWCD will continue to maintain jurisdiction over the channel.

BUDGET IMPACT

None to LESJWA. This project total cost is approximately \$1.3 million, split equally among RCFCWCD, Elsinore Valley Municipal Water District and the City of Lake Elsinore and was not funded by LESJWA nor the TMDL Task Force.

Attachments:

1. Press Release
2. Project Fact Sheet

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REGIONAL AGRICULTURAL PIPELINE CONVERSION



Elsinore Valley Municipal Water District (EVMWD), the Riverside County Flood Control and Water Conservation District (RCFCWCD) and the City of Lake Elsinore are proposing to use an abandoned agricultural pipeline to transport recycled water to Lake Elsinore.

EVMWD already moves approximately 5 million gallons of recycled water per day to the lake from the Regional Water Reclamation Facility via the Lake Elsinore Outlet Channel. This supplemental water helps offset some of the 4½ feet of water the lake loses to evaporation each year. However, this water flowing through the channel has encouraged vegetation growth and created costly maintenance issues for RCFCWCD, which maintains the outlet channel.



The proposed pipeline would help to address these problems. The project requires modification to the diversion structure, the conversion and extension of an existing agricultural pipe, a new outlet structure and replacement of pumps. Construction costs would be divided equally between EVMWD, RCFCWCD and the City of Lake Elsinore.



Get the facts

BENEFITS

Using the new underground pipeline would:



Reduce vegetation growth.



Cut maintenance costs



Decrease evaporation & evapotranspiration



Improve water flows into Lake Elsinore

TIMELINE

- ❖ **2003:** The City and EVMWD agree to use reclaimed water to help maintain the level of Lake Elsinore
- ❖ **2015:** Abandoned agricultural pipeline is considered
- ❖ **August 2016:** Lake Elsinore City Council approves cooperative funding agreement for the project
- ❖ **September 2016:** EVMWD approves cooperative funding agreement for project
- ❖ **October 2016:** RCFCWCD's Board approves cooperative funding allocated for the project
- ❖ **September 2018:** Design completed and approved.
- ❖ **January 2019:** Construction to begin
- ❖ **May 2019:** Expected completion

DETAILS



The Lake Elsinore Outlet Channel was designed to carry floodwaters out of Lake Elsinore.



A separate habitat area was set aside for environmental mitigation when the outlet channel was built.



The total cost of the project is approximately \$1.3 million, split equally between three agencies.

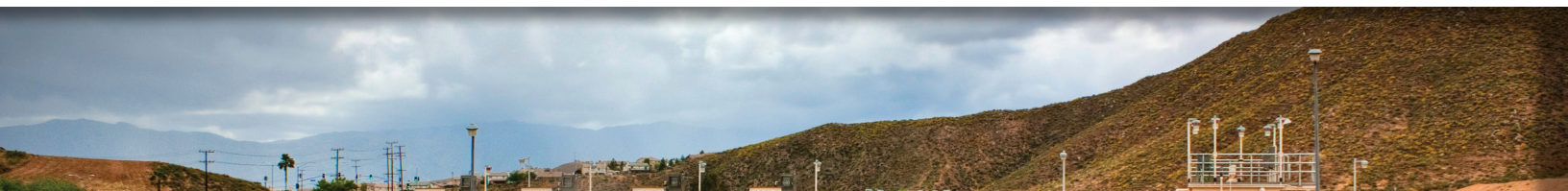


Riverside County Flood Control and Water Conservation District will maintain jurisdiction over the channel.

To learn more about this project, please visit www.evmwd.com or call (951) 674-3146.



REGIONAL AGRICULTURAL PIPELINE CONVERSION



//// Frequently Asked Questions //////////////////////////////////////

Q: WHAT IS THE OUTFLOW CHANNEL USED FOR?

A: The channel was built solely for flood control purposes should Lake Elsinore overflow, not habitat. Moving water to the lake helps offset evaporation and improve water levels.

Q: WHY NOT LEAVE WATER IN THE OPEN CHANNEL, WHERE PEOPLE CAN ENJOY IT, INSTEAD OF USING A BURIED PIPELINE?

A: The vegetation growing in the channel is a problem because it obstructs water flow and consumes the recycled water, leaving less to go to the lake. The maintenance to keep the growth down is costly for Riverside County Flood Control and Water Conservation District (RCFCWCD), which is responsible for the channel. Utilizing the former agricultural pipeline is a cost-effective way to solve this problem and ensure more water is added to the lake.

Q: WHAT IS THE COST OF THE REGIONAL AGRICULTURAL PIPELINE CONVERSION PROJECT?

A: The total cost is approximately \$1.3 million, split equally among RCFCWCD, Elsinore Valley Municipal Water District and the City of Lake Elsinore. Construction contracts and costs have been formally approved by all parties.



Lake Elsinore Outlet Channel Mitigation Site

Q: ARE THERE ENVIRONMENTAL IMPACTS ASSOCIATED WITH THIS PROJECT?

A: No. The pipeline will alleviate overgrowth of vegetation, which consumes some of the recycled water needed to replenish Lake Elsinore. There is very little disturbance because the existing pipeline is already in the channel. Any effects from construction of an outlet structure between the pipeline and lake will be minimized and are only temporary.



FOR IMMEDIATE RELEASE

Regional Agricultural Pipeline Conversion protects recycled water resources in Lake Elsinore

LAKE ELSINORE, CA — Recycled water, that once flowed through an open channel used by Elsinore Valley Municipal Water District (EVMWD), is now being transported through a repurposed pipeline, improving flows into Lake Elsinore. Collectively, EVMWD, Riverside County Flood and Water Conservation District (RCFCWCD) and the City of Lake Elsinore have transformed an abandoned agricultural pipeline that will move water from EVMWD’s Regional Water Reclamation Facility into Lake Elsinore. Previously, an open channel, which runs from Chaney Street to the lake outlet near Limited Street, was originally created to carry floodwaters out of Lake Elsinore. The new Regional Agricultural Pipeline Conversion diverts water from the open channel and connects it to an existing agricultural water pipeline.

“The Regional Agricultural Pipeline Conversion eliminates vegetation growth, reduces maintenance costs, decreases evaporation and evapotranspiration, and improves water flows into Lake Elsinore,” shared Andy Morris, president of the board for EVMWD. “In partnership with RCFCWCD and the City of Lake Elsinore we have been able to cost-share the expenses for this project. It is a mutually beneficial project that benefits our region and our watershed.”

Each year, Lake Elsinore loses approximately 4 ½ feet of water due to evaporation. Since 2003, EVMWD has supplemented highly-treated and regulated recycled water into the lake to offset evaporation. Historically, Lake Elsinore has suffered with challenges relating to water quality. As the largest natural lake in Southern California, Lake Elsinore is vulnerable to hot temperatures, limited rainfall and an excess of nutrients due to its location at the end of the watershed. The supplemental recycled water provides an additional source of water for the lake. RCFCWCD will continue to maintain jurisdiction over the channel.

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EVMWD provides service to over 155,000 water and wastewater customers in a 97-square mile service area in Western Riverside County. The District is a sub-agency of the Western Municipal Water District and a member agency of the Metropolitan Water District of Southern California. Visit the District’s Web site at www.evmwd.com for additional information