

KERN DELTA WATER DISTRICT REGULAR BOARD OF DIRECTORS MEETING

501 Taft Highway
Bakersfield, California

TUESDAY, JANUARY 21, 2020

AGENDA

	<u>CALL TO ORDER AND ANNOUNCEMENT OF QUORUM</u>	12:00 NOON
	<u>EXECUTIVE SESSION:</u>	
	Pending Litigation (54956.9(d)(1)): A. SWRCB Kern River	
	Potential Litigation (54956.9(d)(2)(3)): Two Matters Potential Litigation (54956.9(d)(4)): One Matters	
	Real Property Negotiations (54956.8): A. Eastside Canal ROW B. Property Description: Potential Recharge Lands/Water Exchange/Transfer/Sale/Purchase; Miscellaneous Owners and Agencies District Negotiator: Mark Mulkay Under Negotiation: price and terms	
	<u>REGULAR SESSION:</u>	Approximately 1:00 P.M.
	<u>INTRODUCTION OF GUESTS AND PUBLIC</u>	
	<u>PUBLIC COMMENT:</u> (Members of the public may address the Board of Directors on any matter not on the agenda, but absent extraordinary circumstances, the Board may not take action on such matter. Members of the public may address items of interest that are listed on the agenda prior to the Board=s decision on such items.)	
	<u>DIRECTOR’S FORUM</u>	
	I. Consider any proposed additions to or deletions from the Agenda.	
Pg. 4	II.	<u>CONSENT CALENDAR</u> (The Board will consider various non-controversial routine items and issues relating to matters which are of interest to the District. Any Board Member may request that any or all items be considered and acted upon independently of the others. These items include the following.)
Pg. 5		A. Approve Minutes of the Regular Board Meeting of December 17, 2019.
Pg. 8		B. Approve December/January 2020 District Construction and Water Banking Disbursements.
Pg. 9		C. Approve December/January 2020 District Accounts Payable.
Pg. 14		D. Approve 2020 KCWA Agreement for Water Transfers and Exchanges.
Pg. 17	III.	<u>FINANCIAL MATTERS</u> (The Board will consider various items and issues relating to financial matters which are of interest to the District. These items are intended to include, but not be limited to, the following.)
Pg. 18		A. Business & Finance Committee – January 21, 2020
		- December 2019 Financials.
		- Citizens Business Bank Update and Signature Cards.

Pg. 26	IV.	<u>COMMITTEE REPORTS</u> (The Board will consider various items and issues relating to matters which have been, or will be, considered by committees of the Board and which are of interest to the District. These items are intended to include, but not be limited to, the following.)
Pg. 27	A.	Special Projects Committee – January 7, 2020
Pg. 28	-	District Facility and Maintenance Update.
	-	District Office Building Expansion Update.
	-	TRIP Pipeline Extension – Stine Canal at Stockdale Highway
Pg. 31	V.	<u>KERN RIVER WATERMASTER</u> (The Board will consider various items and issues relating to the Kern River Watermaster that are of interest to the District. These items are intended to include, but not be limited to, the following.)
Pg. 32	A.	District Watermaster Report.
Pg. 43	B.	Kern River Watermaster Reports – Dale Piner Isabella O&M Audit.
Pg. 44	C.	Isabella Dam Safety Remediation.
Pg. 47	VI.	<u>MANAGER'S REPORT</u> (The General Manager will discuss, and the Board will consider various items and issues relating to the ongoing and future operations of the District which are of interest to the Board. These items are intended to include, but not be limited to, the following.)
	A.	Verbal.
	B.	Director Ethics Training
Pg. 50	C.	North West Kern RCD (Mobil Lab)
	D.	Water Education Foundation Tours
	VII.	<u>WATER BANKING PROJECTS</u> (The Board will consider various items and issues relating to local water banking projects that are of interest to the District. These items are intended to include, but not be limited to, the following.)
	A.	Pioneer/KWB/Other Local Operations, Spreading and Pumping.
	B.	Kern Fan Monitoring Committee.
	C.	KDWD Water Banking Project.
	D.	Cross Valley Canal Advisory Committee.
	VIII.	<u>KCWA/KFA/KRWCA/KGA/KRGSA/SVWRA/IRWMP</u> (The Board will consider various items and issues relating to the KCWA, Kern Fan Authority, Kern River Watershed Coalition Authority, and the Kern Groundwater Authority that are of interest to the District. These items are intended to include, but not be limited to, the following.)
	A.	KCWA Activities and SWP Update – Delta Conveyance, Contract Extension, 10% Alloc., Dry Year Program
	B.	Member Unit Policy Meetings
	C.	Kern Fan Authority
	D.	Kern River Watershed Coalition Authority (ILRP)
	E.	Local Groundwater Sustainability Activities
	F.	South Valley Water Resources Authority
	G.	Integrated Regional Water Management Plan
	IX.	<u>ATTORNEY'S REPORT</u> (Legal Counsel will discuss, and the Board will consider items and issues of legal interest to the District.)
	A.	Update on Recent Brown Act Case
	X.	<u>ADJOURN</u>

Requests for disability related modifications or accommodations, including auxiliary aids or services may be made by telephoning or contacting Lynn Fredricks at the District Office (661-834-4656). Please attempt to make such requests known at least 24 hours before the scheduled meeting. Pursuant to Government Code section 54957.5, any materials relating to an open session item on this agenda, distributed to the Board of Directors after the distribution of the agenda packet, will be made available for public inspection at the time of distribution at the District, 501 Taft Highway, Bakersfield, CA.

Tab II





To: Kern Delta Water District Board of Directors

From: L. Mark Mulkay

Date: January 21, 2020

Re: II CONSENT CALENDAR

RECOMMENDATION:

Approve items A through D listed under the Consent Calendar.

DISCUSSION:

Consent Calendars are used to approve non-controversial routine matters. Any Board Member may request that any or all of the items under the Consent Calendar be moved to the regular agenda and discussed and voted on separately.

II. A. Approve Minutes of the Regular Board Meeting of December 17, 2019 (copy attached).

II. B. Approve December 2019 / January 2020 District Construction and Water Banking Disbursements totaling \$453,609.1 – copy attached. Please see the Minutes of the January 7, 2020 Special Projects Committee for more detail.

II. C. Approve December 2019 / January 2020 District Accounts Payable – copy attached. Please see the Minutes of the January 21, 2020 Business & Finance Committee for more detail.

II. D. Approve the Agreement for Water Transfers and Exchanges Approved pursuant to the December 18, 2019 Kern County Water Agency (KCWA) Board Action. This Agreement is processed by the KCWA every year. This is the instrument that all KCWA Member Units use to move water between agencies. The Transaction Request Fees have been adjusted by KCWA this year and should result in smaller fees payable by Kern Delta. This Agreement will cover Kern Delta's movement of State Water between Buena Vista WSD and MWD.

**KERN DELTA WATER DISTRICT
MINUTES OF THE REGULAR MEETING
OF THE BOARD OF DIRECTORS**

December 17, 2019

TUESDAY, DECEMBER 17, 2019, 12:00 NOON – 2:30 P.M.

DIRECTORS PRESENT: Antongiovanni, Bidart, Collins, Garone, Kaiser, Mendonca, Palla, Spitzer, Tillema

DIRECTORS ABSENT: None

OTHERS PRESENT: General Manager Mulkay, Chief Operating Officer Tegli, Assistant General Manager Bellue, Controller Duncan, Legal Counsel Robert Hartsock, and Hydrographer Perry Hyatt.

EXECUTIVE SESSION DECLARED AT 12:00 P.M.

President Palla declared an Executive Session pursuant to Government Code Sections: Pending Litigation 54956.9(d)(1) SWRCB Kern River; Potential Litigation 54956.9 (d)(2)(3)(4); and Real Property Negotiations 54956.8.

REGULAR SESSION DECLARED AT 1:05 P.M.

Legal Counsel announced no action was taken that required disclosure under the Brown Act.

ELECTION OF DISTRICT OFFICERS

M/S/C (Collins/Bidart) (yes-9, no-0): The Board elected the slate of officers as follows:

President: Rodney Palla

Vice President: David Kaiser

Secretary: Richard Tillema

Combined Officer: Kevin Antongiovanni (Treasurer, Assessor, Tax Collector)

Assistant Secretaries: L. Mark Mulkay, Steven L. Tegli, Robert W. Hartsock

Assistant Combined Officer: Bryan Duncan

INTRODUCTION OF GUESTS AND PUBLIC

None.

PUBLIC COMMENT

None.

DIRECTORS FORUM

None.

ADDITIONS/DELETIONS TO AGENDA

None.

CONSENT CALENDAR

M/S/C (Mendonca/Collins) (yes-9, no-0): The Board approved and authorized item A through E of the Consent Calendar.

- A. Approve Minutes of the Regular Board Meeting of November 19, 2019, Adjourned Meetings of December 19 and December 20, 2019 and the Special Board Meeting of December 3, 2019.
- B. Approve November/December 2019 District Construction and Water Banking Disbursements.
- C. Approve November/December 2019 District Accounts Payable.

FINANCIAL MATTERS

Business & Finance Committee – December 12, 2019

M/S/C (Antongiovanni/Tillema) (yes-9, no-0): The Board approved the November and December 2019 District Accounts Payable Invoices, the anticipated December 2019 end of month and January 2, 2020 Accounts Payable Invoices, and the November 2019 District and Water Banking Project Financial Statements, Treasurer's Reports, and Delinquency Report as presented.

Mr. Duncan updated the Board on added security to the District's internal financial control. Check variances will be reviewed by at least two District management Staff.

COMMITTEE REPORTS

Special Projects Committee – December 3, 2019.

Mr. Bellue briefly reported on the December Special Projects Committee meeting and the progress made by Skarphol Associates on the building remodel plans.

KERN RIVER WATERMASTER

Mr. Hyatt reviewed and discussed the water supplies of the District for the month of November and early December. The District reached all its Kern River entitlement caps early in December and stopped all deliveries. The District diverted 285,000 acre-feet of Kern River water in 2019. Mr. Hyatt reviewed the well depths within the District. Mr. Mulkay discussed the November Kern River Watermaster's Report and the Isabella construction schedule.

MANAGER'S REPORT

Mr. Teglia briefly updated the Board regarding the status of the District website project. It was conveyed

that the District website should be live by December 30, 2019. Mr. Mulkay discussed the Stenderup property LAFCo process. The Board members were reminded that it is time to renew their Ethics training for the District.

M/S/C (Spitzer/Antongiovanni) (yes-9, no-0): The Board approved the 2020 District calendar as presented.

WATER BANKING PROJECTS

Mr. Mulkay briefly reviewed all the water banking projects on the Kern River fan. Recharge within the Kern Fan area has been stopped.

KCWA/KFA/KRWCA/KGA/KRGSA/SVWRA

Mr. Mulkay briefly discussed various matters regarding activities of the Kern County Water Agency (including the status of Delta Conveyance Project and Contract Extension), Kern Fan Authority, Kern River Watershed Coalition, Kern Groundwater Authority, Kern River Groundwater Sustainability Agency, the South Valley Water Resources Authority, and the Integrated Regional Water Management Plan. The initial State Water Allocation for 2020 was announced as 10%.

ATTORNEY'S REPORT

None.

ADJOURNMENT:

There being no further business, President Palla adjourned the meeting at approximately 2:30 P.M.

Respectfully Submitted,

L. Mark Mulkay, General Manager

Approved by Board

Richard Tillema, Board Secretary

KERN DELTA WATER BANKING PROGRAM DIBURSEMENTS RECOMMENDED
BY THE SPECIAL PROJECTS COMMITTEE - JANUARY 7, 2020

VARIABLE

COUNTRY TIRE	Tire, mounting, balance	1,219.06	2764
K.C.W.A.	Estimated power for SWP supplies - Oct. 2019	144,583.00	2765
K.C.W.A.	Estimated power for SWP supplies - Nov. 2019	26,730.00	2766
K.C.W.A. ID#4	CVC O&M reconciliations 2016 - 2018	21,484.75	2767
K.D.W.D.	CVC O&M reconciliations 2016 - 2018	21,484.75	2768
KERN MACH.	Maintenance supplies	36.00	2769
P.G.&E.	Well utilities	1,232.70	2770
PEDROZA SURV.	Stenderup recharge facility	5,588.69	2771
QUINN	Shredder - O&M spreading	8,743.15	2772

\$231,102.10

THESE CAME IN AFTER CHECK RUN

K.C.W.A.	2020 CVC est. operating costs 1st qtr.	220,955.00	2773
K.C.W.A.	2020 CVC est. power charges 1st qtr.	1,552.00	2774
P.G.&E.	Well utilities	1353.66	2775

\$222,507.00

TOTAL \$453,609.10

**KERN DELTA WATER DISTRICT
DISBURSEMENTS RECOMMENDED BY THE BUSINESS & FINANCE COMMITTEE
THURSDAY, JANUARY 16, 2020**

DECEMBER 2019 SUB TOTAL \$198,237.65

#	PAYEE	AMOUNT	CHECK
1	A.T.&T. - telephone service	307.32	43250
2	ADVANCED DIST. - canal supplies, lights (forklift)	511.80	43251
3	ADMIN. SOLUTIONS - monthly admin.	607.25	43252
4	AMERICAN BUSINESS MACH. - copier installment payment, post	508.00	43253
5	KEVIN ANTONGIOVANNI - directors fee, misc. meetings	300.00	43254
6	B&B SURPLUS - canal maintenance supplies, angle iron, flat bar	4,945.30	43255
7	B.S&E. - concrete, cement trailer	312.18	43256
8	B of A - conferences, travel, lunches, membership dues	5,666.55	43257
9	JOHN BIDART - directors fee, misc. meeting	200.00	43258
10	BRAGA FRESH FAMILY FARMS - office furniture purchase	2,250.00	43259
11	BUDGET BOLT - maintenance supplies	113.15	43260
12	C.O.B. - GSA Trust contribution	25,000.00	43261
13	CITI CARDS - Costco membership	120.00	43262
14	COLE'S ENVIRONMENTAL - removal of waste oil & filters	225.00	43263
15	DONALD COLLINS - directors fee	100.00	43264
16	DOWN'S EQUIP. - dozer rental	3,324.00	43265
17	ELLISON, SCHNEIDER & HARRIS - professional services	376.00	43266
18	FLYER'S - fleet fuel	7,036.66	43267
19	FRED GARONE - directors fee, misc. meeting	200.00	43268
20	GRAINER - markers, bulbs (building)	54.83	43269
21	HD SUPPLY - maintenance, shop supplies	1,359.83	43270
22	HALL LETTER SHOP - address labels, envelopes, S/A envelopes	1,040.87	43271
23	HOME DEPOT - mechanic supplies	43.24	43272
24	HUGHES SURVEYING - topographic for CalTrans widening	6,675.00	43273
25	JIM BURKE - parts - #327	127.21	43274
26	DAVID KAISER - directors fee	100.00	43275
27	K.C. SEWER - pump septic tank	700.00	43276
28	K.C. WASTE - dumping fee	287.10	43277
29	K.D. BANKING - utility reimbursement for pumps - KB4, BV2 & B'	20,592.90	43278
30	KISCO - nozzles - #326	473.57	43279
31	MARCOM - web site support	2,462.00	43280
32	MARANATHA - lawn service	350.00	43281
33	JOEY MENDONCA - directors fee	100.00	43282
34	OFFICIAL STATE S.S ADMINISTRATOR - SSA218 annual fee	400.00	43283
35	O'REILLY'S - maintenance supplies	82.24	43284
36	P.G.&E. - utilities	1,401.71	43285
37	RODNEY PALLA - directors fee	100.00	43286
38	PRINCIPAL LIFE - dental/vision/life insurance premium	4,160.23	43287

39	QUINN - dozer rental - BV canal	6306.54	43288
40	SSD SYSTEMS - alarm system monitoring	322.85	43289
41	SKARPHOL/FRANK ASSOC. - professional services	17,454.41	43290
42	SPECTRUM - internet access	251.00	43291
43	SPARKLE - uniform service	1,465.16	43292
44	ROSS SPITZER - directors fee	100.00	43293
45	STINSON'S - office supplies, toners	388.30	43294
46	TODD ENGINEERING - GSP planning services	5,166.86	43295
47	RICHARD TILLEMA - directors fee, misc. meeting	200.00	43296
48	UNITEDAG INSURANCE - medical insurance premium	26,415.02	43297
49	WESTAIR - welding supplies	18.64	43298
50	WATERMAN - gates (6)	4,971.90	43299
51	PAYROLL #24	59,240.56	Wire
52	PAYROLL PEOPLE #24	145.74	Wire
53	EDD-STATE P/R #24	3,358.06	Wire
54	EFT-IRS P/R #24	18,362.17	Wire
55	LINCOLN LIFE - retirement program	8,910.45	Wire
56	LINCOLN LIFE - deferred comp.	3,196.00	Wire
57	MASS MUTUAL - deferred comp.	1,340.00	Wire
58	PAYROLL #25	60,892.07	Wire
59	PAYROLL PEOPLE #25	143.69	Wire
60	EDD-STATE P/R #25	3,547.91	Wire
61	EFT-IRS P/R #25	19,115.43	Wire
62	LINCOLN LIFE - retirement program	9,064.69	Wire
63	LINCOLN LIFE - deferred comp.	3,196.00	Wire
64	MASS MUTUAL - deferred comp.	1,340.00	Wire
65	PAYROLL #26	62,899.07	Wire
66	PAYROLL PEOPLE #26	171.74	Wire
67	EDD-STATE P/R #26	3,708.43	Wire
68	EFT-IRS P/R #26	19,973.74	Wire
69	LINCOLN LIFE - retirement program	9,178.34	Wire
70	LINCOLN LIFE - deferred comp.	3,196.00	Wire
71	MASS MUTUAL - deferred comp.	1,340.00	Wire
DECEMBER 2019 TOTAL		\$646,232.36	
72	AMERICAN BUSINESS MACH. - balance for new copier	7,928.35	43300
73	K.C.W.A. - Pioneer Project charges for calendar year 2020	56,959.00	43301
74	K.C.W.A. - Lower River charges for calendar year 2020	10,098.00	43302
75	K.C.W.A. - CVC - est. 1st qtr. O&M power stand-by costs	4,616.46	43303
76	K.C.W.A. - 2020 State Water	1,947,293.00	43304
77	A-1 ANSWERING SERVICE - answering serv.	404.70	43305
78	ACWA - 2020 dues	15,405.00	43306
79	AMERICAN BUSINESS - yearly maintenance contract - copiers	2,244.20	43307
80	KEVIN ANTONGIOVANNI - directors fee, misc. meetings	200.00	43308

81	B&B SURPLUS - canal maintenance supplies, tubing	943.80	43309
82	B.S&E. - concrete, cement trailer	180.37	43310
83	BATTERY SYS. - battery - #216	262.00	43311
84	BUGNI - maintenance supplies	428.91	43312
85	CALIFORNIA FARM WTR COALITION - 2020 dues, banner	3,068.23	43313
86	CENTRAL VALLEY SOFTWARE - yearly Storm support	3,000.00	43314
87	COFFEE BREAK - coffee service	149.00	43315
88	COUNTRY TIRE - tires, repairs - #245, #225, #327	1,630.13	43316
89	CUMMINS WEST - repairs - #324	924.26	43317
90	DOWN'S EQUIP. - dozer rental	3,074.89	43318
91	FLYER'S - fleet fuel	10,626.61	43319
92	GRAINGER - building repair supplies	483.34	43320
93	G.C. WATER DIST. - water service	41.67	43321
94	HERC RENTAL - water trailer rental	1,270.66	43322
95	HUGHES SURVEYING - staking Farmers Canal north of Pacheco	1,345.00	43323
96	IND. MEDICAL - physical screening	75.00	43324
97	JIM BURKE - filter	138.47	43325
98	JORONCO - employee lunch set up	914.48	43326
99	DAVID KAISER - directors fee	100.00	43327
100	K.C. RECORDER - redemption fees (5)	55.00	43328
101	K.C. WASTE - dumping fee	1,148.85	43329
102	K.D.W. BANKING - share of CVC 1st qtr - operating & power costs	55,626.75	43330
103	LOWE'S - canal maintenance supplies	1,354.44	43331
104	MARQUEZ, JANA - reimburse travel expense	219.22	43332
105	MOSSMAN'S - lunches	526.41	43333
106	McMURTREY, HARTSOCK AND WORTH	21,812.00	43334
	General - \$7,658.00		
	State - \$910.00		
	Utility - \$1,540.00		
	Other - \$11,704.00		
107	NATIONAL GROUND WATER ASSOC. - 2020 dues	115.00	43335
108	N.K.W.S.D. - weather mod., Oct., Nov., Dec., W/M Wages 4th qtr	8,826.00	43336
109	N.W.K. RESOURCE CONSERVATION - 2020 contribution	4,000.00	43337
110	O'REILLY'S - maintenance supplies, #102, forklift	53.49	43338
111	P.G.&E. - utilities	1,021.72	43339
112	RODNEY PALLA - directors fee, misc. meeting	200.00	43340
113	POWER MACHINERY - parts - forklift	531.60	43341
114	PRICE DISPOSAL - dumping fee	13.22	43342
115	PROGRESSIVE TECH. - computer system support	1,098.55	43343
116	S.J.V.A. WATER COMMITTEE - 2020 contributions	200.00	43344
117	SPARKLE - uniform service	1,218.59	43345
118	RICHARD TILLEMA - directors fee	100.00	43346
119	VACUSWEEP - parking lot maintenance	110.00	43347
120	VALLEY AG WATER COALITION - 2020 DUES	3,000.00	43348

121	W.A.K.C. - 2020 dues	3,000.00	43349
122	WATER EDUCATION FOUNDATION - 2020 contribution	300.00	43350
123	WEST COAST MAINTENANCE - cleaning service	685.00	43351
124	WESTAIR - gases	855.47	43352
125	ZENITH INSURANCE - premium	3,771.00	43353
	JANUARY 2020 SUB TOTAL	<u>\$2,183,647.84</u>	

KERN DELTA WATER DISTRICT & KDWB
 Anticipated Payments - Month End - January 2020

Payee	Reason	Approximate amount of Payment
AT&T Mobility	Cellular service	834.25
ASI	Supplemental Medical	450.00
Bank of America	Management credit cards payment	5,653.29
Flyers Energy, LLC	Gas and diesel, December 1 - December 15	6,892.55
Home Depot Credit Services	Maintenance materials	554.10
Kern County Public Works	Landfill Waste Dumping	932.40
Lincoln Financial Group	Pension Plan	9,427.78
Lincoln Life Insurance	Deferred Compensation	3,046.00
Maranatha Gardening	Monthly landscaping	350.00
Massachusetts Mutual	Deferred Compensation	1,340.00
PG&E	District Office Power Usage	1,531.90
Principal Life	Dental, Vision, Life insurance premium	4,287.99
Spectrum	Internet access	263.00
United Ag Benefit Trust	Monthly District medical insurance premium	26,415.02
KDWD Total		61,978.28



Directors:

Ted R. Page
President
Division 1

Bruce Hafenfeld
Division 2

Martin Milobar
Division 3

Philip Cerro
Division 4

Charles (Bill) W. Wulff, Jr.
Division 5

Royce Fast
Vice President
Division 6

Gene A. Lundquist
Division 7

Vacant
General Manager

Amelia T. Minaberrigarai
General Counsel

(661) 634-1400

Mailing Address
P.O. Box 58
Bakersfield, CA 93302-0058

Street Address
3200 Rio Mirada Drive
Bakersfield, CA 93308

December 20, 2019

110.1

Mr. Mark Mulkay
Kern Delta Water District
501 Taft Highway
Bakersfield, CA 93307

Re: Agreement for Water Transfers and Exchanges Approved Pursuant to the
December 18, 2019 Kern County Water Agency Board Action

Dear Mr. Mulkay:

In 2020, Kern Delta Water District (Kern Delta) anticipates requesting that the Kern County Water Agency (Agency) facilitate exchanges and/or transfers of water supplies. Pursuant to the Agency Board of Directors (Board) December 18, 2019 action authorizing the General Manager to approve routine 2020 water transfers, exchanges and purchases, the Agency is willing to facilitate exchanges and/or transfers of water supplies on behalf of Kern Delta provided that Kern Delta agrees to the following terms and conditions:

1. The term of this Agreement shall be effective upon the execution of the Agency and Kern Delta, and shall remain in effect until five years after water is delivered pursuant to this Agreement.
2. Kern Delta shall be responsible for complying with all applicable laws and regulations and for securing any required consent, approvals, permits or orders for the delivery of water under this Agreement.
3. All Central Valley Project (CVP) water supplies delivered as a result of exchanges and/or transfers of water supplies approved pursuant to this Agreement, shall be used within the CVP permitted place of use.
4. All State Water Project (SWP) water supplies delivered as a result of exchanges and/or transfers of water supplies approved pursuant to this Agreement, shall be used within the SWP permitted place of use.
5. In the event of a claim of liability against the Agency for any environmental violations, including but not limited to the California Environmental Quality Act, that arises as a result of exchanges and/or transfers of water supplies approved pursuant this Agreement, Kern Delta shall defend (including expert costs), indemnify and hold the Agency harmless from any such claim.

Mr. Mark Mulkay

Agreement for Water Transfers and Exchanges Approved Pursuant to the December 18, 2019

Kern County Water Agency Board Action

December 20, 2019

Page 2 of 3

6. In the event of a claim of liability against the Agency that arises as a result of exchanges and/or transfers of water supplies approved pursuant to this Agreement, Kern Delta shall defend, indemnify and hold the Agency and any of its Directors, officers, or employees harmless from any such claim.
7. Kern Delta will pay the following charges for each TRF submitted to the Agency for approval:

Charges	Member Unit to Member Unit	Member Unit to Others - within Kern County	Member Unit to State Water Contractors	Member Unit to Non-State Water Project Contractors - outside of Kern County
Setup Charge (\$/TRF)	\$800	\$1,300	\$2,900	\$3,700
Handling Charge (\$)	\$1,400	\$2,000	\$3,000	\$4,000

8. The Agency will bill Kern Delta for the setup charge upon receipt of each TRF.
9. The Agency will invoice Kern Delta for the handling charge upon approval of each TRF.
10. The Agency will reconcile the setup charges for each TRF prior to the end of the calendar year in which the TRF was approved. Should the reconciled setup charges be less than what was billed by the Agency, the Agency will reimburse Kern Delta. Should reconciled setup charges be more than what was billed by the Agency, Kern Delta will reimburse the Agency.
11. The Agency will reconcile the handling charges for each TRF prior to the end of the calendar year in which the TRF was approved. Should the reconciled handling charges be less than what was billed by the Agency, the Agency will reimburse Kern Delta. Should reconciled handling charges be more than what was billed by the Agency, Kern Delta will reimburse the Agency.
12. Should Kern Delta participate in the 2020 petition to the State Water Resources Control Board to consolidate the SWP and CVP authorized places of use, Kern Delta will pay the Agency for its proportionate share of any petition fees.
13. All payments shall be due 45 days after the date of the Agency's invoice. Late payments shall be subject to interest charges at the rate of 1 percent per month on the unpaid balance from the due date until the unpaid balance is paid off.

If the above terms and conditions are acceptable, please sign and date both copies of this agreement and return both copies to the Agency. A fully executed original will be returned to Kern Delta.

Mr. Mark Mulkay
Agreement for Water Transfers and Exchanges Approved Pursuant to the December 18, 2019
Kern County Water Agency Board Action
December 20, 2019
Page 3 of 3

Sincerely,



Holly Melton
Water Resources Manager

The foregoing constitutes the agreement between the Agency and Kern Delta as a condition of the Agency approving the exchanges and/or transfers of water supplies on behalf of Kern Delta pursuant to the December 18, 2019 Agency Board action authorizing the General Manager to approve routine 2020 water transfers, exchanges and purchases.

Accepted:

Kern County Water Agency

Kern Delta Water District

By: _____

By: _____

Title: _____

Title: _____

Date: _____

Date: _____

Tab III



**Kern Delta Water District
Balance Sheet
As of December 31, 2019**

<u>Assets</u>	<u>December 31, 2019</u>	<u>November 30, 2019</u>	<u>Month-to- Month Variance</u>
Current Assets:			
Cash & Securities in Bank	\$ 21,775,268	\$ 19,902,778	\$ 1,872,490
Accounts Receivable	1,117,274	259,500	857,773
Due From KDWP	247,544	-	247,544
Inventories & Prepaid Expenses	138,352	145,527	(7,175)
Total Current Assets	<u>23,278,438</u>	<u>20,307,805</u>	<u>2,970,633</u>
Fixed Assets			
District Structures, Rights of Way	\$ 13,692,525	\$ 13,643,287	\$ 49,238
CVC Expansion	8,622,495	8,622,495	-
Machinery & Equipment	1,491,275	1,491,275	-
	<u>23,806,296</u>	<u>23,757,057</u>	<u>49,238</u>
Accumulated Depreciation	<u>(6,207,838)</u>	<u>(6,186,544)</u>	<u>(21,293)</u>
Net Fixed Assets	<u>17,598,458</u>	<u>17,570,513</u>	<u>27,945</u>
Investment in Joint Powers Authority	\$ 32,192	\$ 32,192	\$ -
Investment in MET Program	8,890,130	8,890,130	-
Total Assets	<u><u>\$ 49,799,218</u></u>	<u><u>\$ 46,800,640</u></u>	<u><u>\$ 2,998,577</u></u>
<u>Liabilities & Equity</u>			
Current Liabilities:			
Trade Accounts Payable	\$ 199,205	\$ 173,671	\$ 25,534
Deferred Revenue	1,096,210	-	1,096,210
Accrued Liabilities	125,856	128,172	(2,316)
Total Current Liabilities	<u>1,421,271</u>	<u>301,843</u>	<u>1,119,428</u>
Long-Term Liabilities:			
Bonds & COP Borrowing	\$ 4,230,000	\$ 4,230,000	\$ -
Bonds Premium & Costs	168,032	188,192	(20,160)
Total Long-Term Liabilities	<u>4,398,032</u>	<u>4,418,192</u>	<u>(20,160)</u>
Total Liabilities	<u>5,819,302</u>	<u>4,720,035</u>	<u>1,099,268</u>
Equity:			
Equity From Past Years	\$ 38,881,597	\$ 38,881,597	\$ -
Accumulative Equity - Current Year	5,098,319	3,199,009	1,899,310
Total Liabilities & Equity	<u><u>\$ 49,799,218</u></u>	<u><u>\$ 46,800,640</u></u>	<u><u>\$ 2,998,577</u></u>

Kern Delta Water District
Income Statement
Through the Month Ended December 31, 2019

	Actual Current Month	Actual Year to Date	Annual Budget	YTD as % of Annual Budget (Target is 92%)	Budget Remaining
INCOME:					
State water sales	\$ 22,551	\$ 1,310,571	\$ 972,108	135%	\$ (338,463)
State water sales - Special	-	1,300,000	-	0%	
Utility water sales	25,578	3,101,708	3,214,297	96%	112,589
COB/Cal Water/GCWD Revenue	-	571,006	576,000	99%	4,994
Equalization	-	9,176	9,147	100%	(28)
Assessments	-	1,011,519	1,020,375	99%	8,856
Share of county tax	2,131,008	4,739,649	4,176,386	113%	(563,263)
ILRP Contract Revenue	-	-	-		-
Interest income	328	390,630	106,000	369%	(284,630)
Other income	1,414	225,891	100,000	226%	(125,891)
Water Transfer Charges	-	731,000	731,000	100%	-
Water Banking Expense Reimbursement	-	-	150,000	0%	150,000
Total income	\$ 2,180,880	\$ 13,391,150	\$ 11,055,314	121%	\$ (1,035,836)
EXPENSE:					
Source of supply:					
State water costs	\$ -	\$ 2,355,366	\$ 3,000,000	79%	\$ 644,634
Exchange fees	95,625	95,625	76,500	125%	(19,125)
Watermaster, City, Isabella	7,356	320,890	323,700	99%	2,810
Miscellaneous source costs	-	94,323	805,078	12%	710,755
Total Source of supply	\$ 102,981	\$ 2,866,205	\$ 4,205,278	68%	\$ 1,339,073
Transmission and Distribution:					
Labor	\$ 24,937	\$ 1,963,479	\$ 2,003,605	98%	\$ 40,126
Employee benefits	(837)	620,088	712,777	87%	92,689
Maintenance & Repairs	51,469	1,014,056	1,424,850	71%	410,794
Total Transmission and Distribution	\$ 75,569	\$ 3,597,623	\$ 4,141,232	87%	\$ 543,609
Administrative & other costs:					
Engineering consultant	\$ -	\$ 29,206	\$ 50,000	58%	\$ 20,794
Legal consultants	19,278	214,069	300,000	71%	85,931
Special legal/engineering	446	52,565	250,000	21%	197,435
Kern River GSA	30,167	130,167	300,000	43%	169,833
Insurance	7,216	140,013	152,486	92%	12,473
Office operations	19,280	318,278	308,057	103%	(10,221)
Special expenses (see Footnote below):	25,500	379,977	463,000	82%	83,023
Bond Interest expense	(20,160)	142,435	146,260	97%	3,825
Depreciation	21,293	422,293	420,000	N/A	(2,293)
Total administrative & other	\$ 103,021	\$ 1,829,003	\$ 2,389,803	77%	\$ 560,800
Total expenses	\$ 281,570	\$ 8,292,831	\$ 10,736,313	77%	\$ 2,443,482
Profit (Loss)	\$ 1,899,310	\$ 5,098,319	\$ 319,001		\$ (3,479,318)

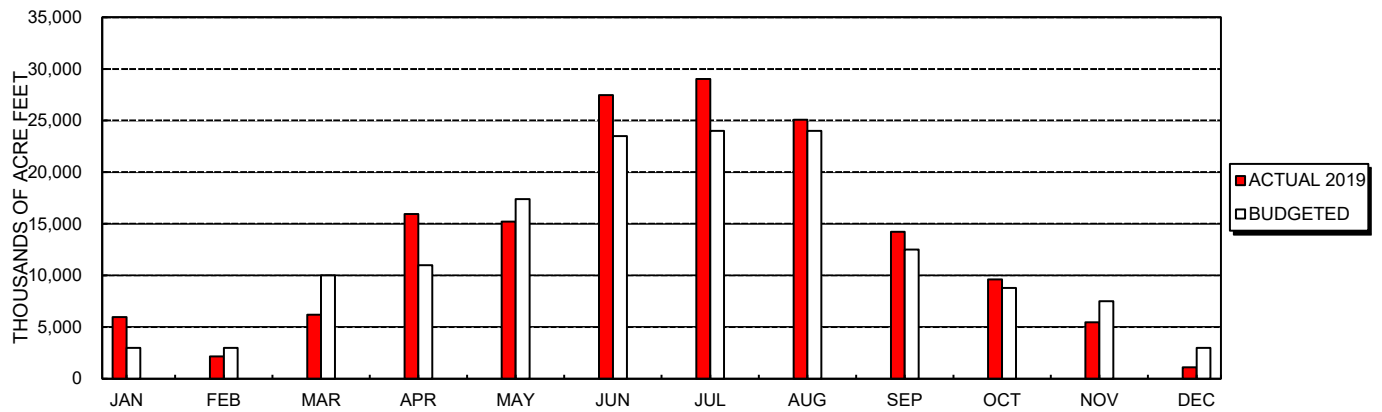
TREASURER'S REPORT

December 2019

	2019	2018	2017	2016
Cash & Securities on hand - December 1	\$ 19,902,778	\$ 16,834,341	\$ 13,576,174	\$ 9,739,891
Add: December receipts	\$ 2,424,359	\$ 2,369,123	\$ 2,351,155	\$ 1,878,390
Less: December disbursements	\$ 551,869	\$ 631,025	\$ 2,172,573	\$ 2,187,158
Cash & Securities on hand - December 31, 2019	\$ 21,775,268	\$ 18,572,440	\$ 13,754,755	\$ 9,431,123
Petty Cash	\$ 500			
Citizens Business Bank	\$ 2,588,266			
Kern County Treasury	\$ 16,936,502			
CBB Trust/LPL Financial	\$ 2,250,000			
	\$ 21,775,268			
Restricted Reserves:				
Restricted Reserve Fund - General Manager	\$ (300,000)	\$ -	\$ -	\$ -
Unrestricted Reserves:				
2015-A COP Reserve Fund	\$ (372,600)	\$ (372,600)	\$ (372,600)	\$ (372,600)
Employee Medical/Dental Benefits	\$ (128,607)	\$ (186,193)	\$ (211,386)	\$ (248,898)
Pipeline Maintenance	\$ (213,845)	\$ (213,845)	\$ (213,845)	\$ (213,845)
Water Rights Protection & Litigation Reserve	\$ (3,229,363)	\$ (3,303,755)	\$ (3,425,955)	\$ (3,097,931)
Total Reserves	\$ (4,244,414)	\$ (4,076,393)	\$ (4,223,785)	\$ (3,933,274)
Cash Available - December 31, 2019	\$ 17,530,854	\$ 14,496,047	\$ 9,530,970	\$ 5,497,850

**Kern Delta Water District
Monthly Water Sales Volume
in Acre Feet**

	2018	2019										
	Actual (Accum- ulated)	Budgeted		Actual								
		Monthly	(Accum- ulated)	Monthly				Accumulated				% of Budget
				Utility	State	Contracts	Total	Utility	State	Contracts	Total	
JAN	2,917	3,000	3,000	5,730	0	244	5,974	5,730	0	244	5,974	199%
FEB	8,382	3,000	6,000	1,869	0	291	2,160	7,599	0	535	8,134	136%
MAR	12,305	10,000	16,000	5,383	464	350	6,197	12,982	464	885	14,331	90%
APR	24,216	11,000	27,000	12,322	3,215	418	15,956	25,304	3,679	1,304	30,287	112%
MAY	36,109	17,400	44,400	11,509	3,264	452	15,225	36,813	6,943	1,756	45,512	103%
JUN	55,812	23,500	67,900	22,298	4,740	425	27,464	59,111	11,683	2,181	72,976	107%
JUL	78,140	24,000	91,900	23,198	5,378	444	29,020	82,309	17,061	2,626	101,995	111%
AUG	96,310	24,000	115,900	20,232	4,397	444	25,073	102,540	21,458	3,070	127,068	110%
SEP	105,978	12,500	128,400	11,317	2,494	430	14,241	113,857	23,951	3,500	141,308	110%
OCT	109,612	8,800	137,200	9,222	0	394	9,616	123,079	23,951	3,894	150,924	110%
NOV	113,299	7,500	144,700	5,386	0	80	5,466	128,465	23,951	3,974	156,390	108%
DEC	114,312	3,000	147,700	1,072	0	44	1,116	129,537	23,951	4,018	157,506	107%



KERN DELTA WATER DISTRICT

Aged Accounts Receivable

Past Due Accounts

1/21/2020

Account	Name	0-30 Days	31-60 Days	61-90 Days	Over 90 Days	Total Past Due
592	Costa Jr, Joe & Mary	12.67	321.92	523.22	-	857.81
607	Cox Family Trust, Bruce & M	333.39	-	-	-	333.39
887	Forney, Bruce	4.38	4.32	4.25	283.68	296.63
2437	Upple, Shinda	244.98	226.91	-	-	471.89
4468	Lehr Brothers, Inc	763.52	6.54	-	-	770.06
5277	Arias, Rosa	679.53	-	-	-	679.53
5583	Sanchez, Orlando	3.19	26.96	26.56	159.44	216.15
	OTHER	34.30	80.59	2.03	135.27	252.19
		2,075.96	667.24	556.06	578.39	3,877.65

**Kern Delta Water Banking Project
Balance Sheet
December 31, 2019**

Assets

	December 31, 2019	November 30, 2019	Month-to- Month Variance
Current Assets:			
Cash & Securities in Bank	\$ 10,047,635	\$ 10,137,734	\$ (90,100)
Interest Receivable	-	-	-
Due from Metropolitan Water District	3,625,242	3,625,242	-
Inventory and Prepaids	94,836	117,378	(22,542)
Total Current Assets	<u>\$ 13,767,713</u>	<u>\$ 13,880,354</u>	<u>\$ (112,642)</u>
Fixed Assets at cost less depreciation:			
All structures	\$ 58,899,706	\$ 58,894,117	\$ 5,589
Machinery and equipment	418,064	418,064	-
	<u>\$ 59,317,770</u>	<u>\$ 59,312,181</u>	<u>\$ 5,589</u>
Less: Accumulated depreciation	(9,227,484)	(9,161,799)	(65,686)
Total fixed assets	<u>\$ 50,090,286</u>	<u>\$ 50,150,383</u>	<u>\$ (60,097)</u>
 Total Assets	 <u><u>\$ 63,857,998</u></u>	 <u><u>\$ 64,030,737</u></u>	 <u><u>\$ (172,739)</u></u>

Liabilities & Equity

Current Liabilities:			
Trade accounts payable	\$ 156	\$ -	\$ 156
Deferred Revenue	55,627		55,627
Due to KDWD	247,544	-	247,544
Total current liabilities	<u>\$ 303,327</u>	<u>\$ -</u>	<u>\$ 303,327</u>
 Equity:			
Contributions to equity - KDWD (Land purchases)	\$ 8,890,130	\$ 8,890,130	\$ -
Equity from past years	51,695,770	51,695,770	-
Equity enhanced this year	2,968,771	3,444,837	(476,065)
Total Equity	<u>\$ 63,554,671</u>	<u>\$ 64,030,737</u>	<u>\$ (476,065)</u>
 Total Liabilities & Equity	 <u><u>\$ 63,857,998</u></u>	 <u><u>\$ 64,030,737</u></u>	 <u><u>\$ (172,739)</u></u>

Kern Delta Water Banking Project
Income Statement
Through the Period Ended December 31, 2019

	<u>Current Month</u>	<u>Year to Date</u>
INCOME:		
MET Revenues	\$ -	\$ 5,336,796
Water Sales	(22,551)	392,942
Interest Income	62	213,765
	<hr/>	<hr/>
Total of all income	\$ (22,489)	\$ 5,943,502
 Transfer and Exchange Fees:		
Exchange Fees	\$ -	\$ 950,000
Wheeling Fees	-	-
Transfer Fees	-	15,000
	<hr/>	<hr/>
Total Exchange Fees	\$ -	\$ 965,000
 Other Costs		
Power - KB1-8, KDW1-2	\$ 931	\$ 19,468
Power - AE1, AE2, AE3, AE4	767	9,489
Power - BV1, BV2, BV3, BV4, BV5	316	16,258
CVC Operating Costs	(42,970)	423,761
CVC Power Costs	171,313	192,017
O&M Spreading	8,147	10,700
Other O&M & Miscellaneous Costs	249,386	315,352
Depreciation	65,686	1,022,686
	<hr/>	<hr/>
Total Other Costs	\$ 453,576	\$ 2,009,731
 Total all expenses	<hr/>	<hr/>
	\$ 453,576	\$ 2,974,731
 Profit (Loss)	<hr/>	<hr/>
	\$ (476,065)	\$ 2,968,771

KERN DELTA WATER BANKING PROJECT

TREASURER'S REPORT

December

	2019	2018	2017	2016
Cash & Securities on hand - December 1, 2019	\$ 10,137,734	\$ 9,473,193	\$ 8,662,815	\$ 8,792,072
Add: December receipts	741,628	454,771	686,447	1,041,346
Less: December disbursements	831,727	668,161	901,080	269,752
Cash & Securities on hand - December 31, 2019	\$ 10,047,635	\$ 9,259,803	\$ 8,448,182	\$ 9,563,666
Citizens Business Bank	\$ 774,997			
LPL Financial	\$ 750,000			
Kern County Treasury	\$ 8,522,638			
	<u>\$ 10,047,635</u>			
Restricted Cash included in above:				
OM&R Spreading	\$ 518,813	\$ (574,976)		
OM&R Extraction	(137,772)	(189,289)		
OM&R CVC/Delivery Canal	(3,225,816)	(3,318,405)		
Take/Put Fees	(4,382,706)	(648,255)		
Total Restricted	<u>\$ (7,227,481)</u>	<u>\$ (4,730,925)</u>		
Due From Banking Partners	-	-		
Cash Available for Construction - December 31, 2019	<u>\$ 2,820,153</u>	<u>\$ 4,528,878</u>		

Tab IV



**KERN DELTA WATER DISTRICT
MINUTES OF THE SPECIAL PROJECTS COMMITTEE
Tuesday, January 7, 2020**

Tuesday, January 7, 2020, 10:30 A.M. – 12:15 P.M.

DIRECTORS PRESENT: Collins, Spitzer, Mendonca, and Kaiser
OTHERS PRESENT: Assistant General Manager Bellue, Chief Operating Officer Teglia,
General Manager Mulkay

1. CONSIDER ANY PROPOSED ADDITIONS TO OR DELETIONS FROM THE AGENDA

None.

2. PUBLIC COMMENTS

None.

3. INFORMATIONAL

Mr. Bellue made a brief report on the following:

- a. Encroachment Permit Update
- b. District Facility and Banking Maintenance Update
- c. Derrel's Mini Storage; The Special Projects Committee recommends that staff gather more information related to the seepage issue.
- d. Shutdown Projects Update
- e. Architect Update
- f. Potential Additional Recharge Facility adjacent to the Farmers Canal

4. ACTION

- a. M/S/C (Kaiser/Mendonca /) (yes-4, no-0): The Special Projects Committee recommends the Board approve payment of Water Banking and Power Invoices totaling \$453,609.10 (plus additional PG&E well energy and stand-by costs). See the attached January 21, 2020 Invoice and Disbursements memo to the Board for a full breakdown of the Invoices.

5. FUTURE ITEMS

None discussed.

Meeting was adjourned at 12:15 P.M.

Respectfully Submitted,

David L. Kaiser

Maintenance Report

December 2019

1. **Structure and Turnout Repairs.** The following jobs were completed during the month;
 - a. Replace three turnouts, piping, and gates on the Central Canal; 3-2-172, 208 and 250. Done by outside contractor.
 - b. Install four new turnouts, piping and gates near the following existing turnouts; 3-7-139 (15 ditch), 3-7-119, (20 foot), and 5-3-48 (Branch 2) and 4-0-156 (Farmers).
 - c. Repair gate at 3-20-17 (Rim Ditch near Hwy 99).
 - d. Replace board control crossing on the Farmers south of Bear Mountain; 4-0-561.
 - e. Replace turnout at the end of the Branch 1; 3-4-163.
 - f. Saw cut and remove 1-foot of the overpour wall on the Stine Bladder Basin. Done by outside contractor.
 - g. Convert Stine triangle-basin-inlets to board control for surge protection in the Stine Canal.
 - h. Install 20' of additional piping on Smith Judd crossing 4-5-541.
 - i. Repair fixed blade weir at 4-0-554.
2. **Shop.** The following jobs were completed during the month;
 - a. Normal service and repairs on District vehicles and equipment.
 - b. Fuel rental equipment and service.
 - c. Repairs to truck #326 (electrical issue w/onboard computer).
 - d. Repairs to truck # 217 (Tires).
 - e. Repair seat on forklift (new seat & seat rails).
 - f. Repair steam cleaner recycle system.
 - g. Steam clean shop and surrounding concrete slabs for Christmas party.
3. **District Wells.**
 - a. No monthly service or inspection of District Wells is month;
4. **Motor Grader # 403** The following canals were sloped and roads graded;
 - a. Grade the roads surrounding the upper triangle basin on the Stine Canal.
5. **Backhoe # 402** The following jobs were completed during the month;
 - a. Assist with the repair and installation of new turnouts mentioned above (dig, backfilling, compaction, hauling and installation).
 - b. Remove excess dirt from weirs on BV.
 - c. Remove tumbleweeds from basin areas.
6. **Backhoe # 404** The following jobs were completed this month;
 - a. Removed debris from the Farmers, Central and Kern Island.
 - b. Remove crossing on the BV Canal south of Panama Lane and replace crossing on the Smith Judd Canal.
 - c. Haul dirt from crossing area to BV Basin.

- d. Remove sand bars and sediment buildup from turnouts and culverts on Farmers, Central and Kern Island.
- 7. **Weed Spraying.** No canals were sprayed during the month;
- 8. **Aquatic Treatments.** No aquatic treatments were done this month.
- 9. **Rodent Control**
 - a. Bait Stations were frequently checked, and all locations were filled throughout the District this month.
- 10. **Trash Removal.**
 - a. Daily cleaning of crossings, weirs, racks and screens on all canals.
 - b. Remove debris from the Kern Island, Central, BV and Farmers.
- 11. **Fence Repairs.** Fences and Gates were repaired at the following locations;
 - a. BV – Block Wall repaired at Windermere.
- 12. **Safety Meetings.** Weekly tailgate safety topics were;
 - a. Project PPE Safety.
 - b. Shutdown Orientation.
 - c. Week in Review.
 - d. Project Safety- Week in Review.
 - e. Project Safety Meeting and Week in Review.
 - f. Shutdown Rap-up and Review.
- 13. **Water Banking Activities.** The following jobs were completed during the month;
 - a. Remove approximately 1 foot of soil from the bottom of the three Stine basins to improve percolation and add volume for surge protection. Done by outside contractor.
 - b. Mowing weeds around banks of basins (DiGiorgio, Romero and Stonfield)
 - c. Spraying Sterilant on roads and fence lines.
 - d. Hand weeding of fence lines for sterilant application (tumbleweeds from storm, Stonefield, Romero and BV).
- 14. **Future Projects.** The following projects will be completed as time and scheduling permit:
 - a. Inspect and repair turnouts, screens and crossings on the Eastside Canal when it is drained down sufficiently.
 - b. Install a new turnout on the Eastside Canal below Buena Vista Road.
 - c. Replace meter at Old River and Bear Mountain 4-0-249.
 - d. Build trailer mounted spray system using parts from the old sprat rig.
- 15. **Future Water Banking Projects.**
 - a. Install permanent staff gauges in basins.
 - b. Place riprap around eroded intertie structures as needed.
 - c. Relocate rip rap stored in the Romero basins.
 - d. Finish spraying pre-emergence.
 - e. Design a new surge protection basin for the bottom end of the Stine Canal.



To: Kern Delta Water District Board of Directors

From: L. Mark Mulkay

Date: January 21, 2020

Re: Invoices and Disbursements, Special Projects & Water Banking Project Operation/Construction.

RECOMMENDATION:

Staff recommends payment of the following eleven payables divided into three overall groups of: 1) water banking program design, construction and construction support -- \$00.00; 2) water banking variable -- \$453,609.10; 3) Kern Delta Water District construction -- \$00.00. The total expenditure in December for these areas is \$453,609.10 (plus additional PG&E well energy stand-by cost).

DISCUSSION:

The following eleven payables can be divided into three overall groups: 1) water banking program design, construction and construction support, 2) water banking variable, and 3) Kern Delta construction.

First group (Water Banking Program Design, Construction and Construction Support):

Second group (Water Banking Variable):

- 1) Country Tire – \$1,219.06 (Tires, mounting, balance)
- 2) K.C.W.A – \$144,583.00 (Estimated power for SWP supplies; October 2019)
- 3) K.C.W.A – \$26,730.00 (Estimated power for SWP supplies; November 2019)
- 4) K.C.W.A ID#4 – \$21,484.75 (CVC O&M reconciliations 2016-2018)
- 5) K.C.W.A – \$220,955.00 (2020 CVC est. operating costs 1st qtr.)
- 6) K.C.W.A – \$1,552.00 (2020 CVC est. power charges 1st qtr.)
- 7) K.D.W.D – \$21,484.75 (CVC O&M reconciliations 2016-2018)
- 8) Kern Machinery – \$36.00 (Maintenance supplies)
- 9) Pedroza Surveying – \$5,588.69 (Sunset/Stenderup recharge facility)
- 10) Quinn – \$8,743.15 (Shredder; O&M Spreading)
- 11) PG&E – \$1,232.70 (Power/stand-by energy cost for the wells associated with the Water Banking water production)

Third group (Kern Delta Construction)

Tab V



KERN DELTA WATER DISTRICT

December 11, 2019

	<i>1/15/2020</i>	<i>Last Year</i>
KERN RIVER 3 DAY MEAN INFLOW	453 CFS	322 CFS
KERN RIVER MEAN OUTFLOW	368 CFS	307 CFS
ISABELLA RESERVOIR STORAGE	169,879 ACFT	66,794 ACFT
REQUESTED OUTFLOW	365 CFS	300 CFS

Estimated: (CFS)

<i>KDWD DAILY DIVERTED: (DECEMBER 11, 2019)</i>	<i>@HEAD</i>	<i>STATE</i>	<i>XCHNG</i>	<i>BANKING</i>
KERN ISLAND	167	0	0	0
EASTSIDE	0	0	0	0
BUENA VISTA -LEVEE	65	0	0	0
STINE	28	0	0	0
OTHER - River Channel	0	0	0	0
K.I. / A.E. Exchange Gate	0	0	0	0
STINE / A.E. Exchange Gate	0	0	0	0
Total CFS	260	0	0	0

Estimated: (Acre Feet)

<i>DIVERTED (DECEMBER 2019)</i>	<i>UTILITY</i>	<i>STATE</i>	<i>PURCHASE</i>	<i>BANKING</i>
KERN ISLAND	1,994	0	0	0
EASTSIDE	56	0	0	0
C.O.B. Misc.	0	0	0	0
BUENA VISTA	192	0	0	0
STINE	12	0	0	0
FARMERS	208	0	0	0
SOUTH FORK	0	0	0	0
West Side State Sale	0	0	0	0
MONTHLY TOTAL	2,462	0	0	0
YEAR TO DECEMBER 31, 2019	213,991 ACFT	14,558	2,870	55,820
Year to December 31, 2019 Utility - State - Banking	287,239 ACFT			

<i>ACFT. STORAGE BALANCE AS OF:</i>	<i>12/31/2019</i>	<i>Estimate 12/11/2019</i>	<i>Max Storage</i>
KERN ISLAND	1,715	2,026	2,500
BUENA VISTA	1,033	1,033	1,500
STINE	1,269	1,449	1,500
FARMERS	1,497	1,483	1,500
STATE (18) Carryover	0	0	N/A
STATE (19) Contract	5,999	5,999	N/A
RRBWS STORAGE	26,088	26,088	N/A
PIONEER PROJECT STORAGE	18,183	18,183	N/A
TOTAL ACFT.	55,784	56,261	

K.D.W.D. CLIMATOLOGICAL OBSERVATION:

<u>36</u>	MINIMUM TEMPERATURE	<u>27</u>
<u>56</u>	MAXIMUM TEMPERATURE	<u>56</u>
<u>40</u>	PRESENT TEMPERATURE	<u>30</u>
<u>0.00</u>	PRECIPITATION - 24 HR. DAY	<u>0.00</u>
<u>0.10</u>	PRECIPITATION - MONTH	<u>0.00</u>
Seasonal <u>2.47</u>	YEAR TO DATE PRECIP.	<u>4.73</u> Seasonal

ISABELLA CLIMATOLOGICAL OBSERVATION:ISABELLA RESEVOIR:

LAKE ELEVATION (FT.)	2,560.40	DECEMBER AC. FT. INFLOW	32,720
STORAGE ACFT.	169,879	DECEMBER AC. FT. OUTFLOW	30,702
STORAGE CAPACITY	568,075	ACCUMULATIVE ACFT. INFLOW (19-20)	82,981
% OF CAPACITY	30%	ACCUMULATIVE ACFT. OUTFLOW	103,670
COE STORAGE CAPACITY	360,000	% OF COE CAPACITY	47%

Summary of Utility Water Diverted Year to Date: 12/31/2019

	Utility	North Kern*	Other Exchanges
January	11,887	0	0
February	4,717	0	0
March	14,823	5,000	0
April	19,795	0	0
May	24,165	7,500	0
June	32,975	5,000	16,000
July	30,754	5,000	0
August	24,730	0	0
September	24,729	0	0
October	13,025	0	0
November	9,929	0	0
December	2,462	0	0
Total	213,991	22,500	16,000

Summary of Other Water Diverted Year to Date: 12/31/2019

	State	Purchase	Banking
January	0	0	0
February	0	0	0
March	472	1,186	0
April	3,217	0	7,545
May	1,953	0	4,691
June	4,120	496	6,800
July	4,796	791	9,003
August	0	0	16,415
September	0	397	4,187
October	0	0	5,334
November	0	0	1,845
December	0	0	0
Total	14,558	2,870	55,820

*KD/NK 11/21/2017 Agreement: Water Year: 175% = 22,500 acre feet

Water owed to K.D.W.D as of: 12/31/2019

B.V.W.S.D. 2018 State Carryover*:	1,433
2019 State Contract: Table A	19,125

Summary of Total State Water Used Year to Date: 12/31/2019

	(OWED)	(USED)
2018 Carryover	0	1,433
2019 Contract	5,999	13,126
Total	5,999	14,559

Quantities in acft. TOTAL 20,558

Net Owed to KDWD TOTAL 20,558

*Maximum State Carryover Balance: 6,000 acre feet

Year	2015	2003	2017
% of A-J	13%	71%	261%
January	20	66	51
February	79	72	113
March	175	205	155
April	228	235	298
May	328	499	484
June	377	701	793
July	97	611	743
August	93	208	398
September	175	153	63
October	300	113	115
November	147	50	137
December	98	40	52
Total	2117	2953	3402

Above is a table showing District losses in Lake Isabella in three different years: 2015 which had a 13% April through July runoff, 2003 which had a 71% A-J runoff, and 2017 which had a 261% A-J runoff. These monthly totals are made up of all four of KDWD's service rights. These numbers are highly variable, as they are not only impacted by District operations, but by the operations of the other districts that have storage in the lake.

		JAN 2015	JAN 2016	JAN 2017	JAN 2018	JAN 2019	JAN 2020	FEB 2020	MAR 2020	APR 2019	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	OCT 2020	NOV 2020	DEC 2020	HIGH	LOW	AVERAGE
Northwest Quadrant	30/26-26C	R	196	206	190	R	204												204	204	204
	30/26-26G	187	199	207	197	R	199												199	199	199
	30/26-27J	177	198	206	198	R	210												210	210	210
	30/26-35N			NR	181	184	171												171	171	171
	30/27-31E	185	202	214	181	202	219												219	219	219
	30/27-31G	202	200	NR	NR	206	NR												0	0	####
	31/26-08G	152	168	NR	168	NR	204												204	204	204
	31/26-10J	175	206	NR	170	202	NR												0	0	####
	31/27-06C	200	195	202	NR	208	215												215	215	215
	31/27-07B	189	198	NR	199	R	200												200	200	200
Southwest Quadrant	31/26-13N			198	180	201	NR												0	0	####
	31/26-15J			200	168	205	NR												0	0	####
	31/26-16P			NR	168	207	204												204	204	204
	31/26-17Q			NR	NR	210	203												203	203	203
	31/26-21N			NR	175	238	204												204	204	204
	31/26-30G			186	159	240	268												268	268	268
	31/27-18D01			NR	NR	206	201												201	201	201
	32/26-08J			132	189	215	209												209	209	209
	32/27-07N			160	NR	200	288												288	288	288
North-Central Quadrant	30/28-29B			NR	236	243	229												229	229	229
	31/27-01L			190	260	220	232												232	232	232
	31/27-04A			158	176	183	184												184	184	184
	31/27-05J			NR	200	NR	228												228	228	228
	31/27-10B			NR	NR	NR	208												208	208	208
	31/27-11K			171	170	330	227												227	227	227
	31/27-12Q			NR	140	140	139												139	139	139
	31/28-08A			216	220	243	244												244	244	244

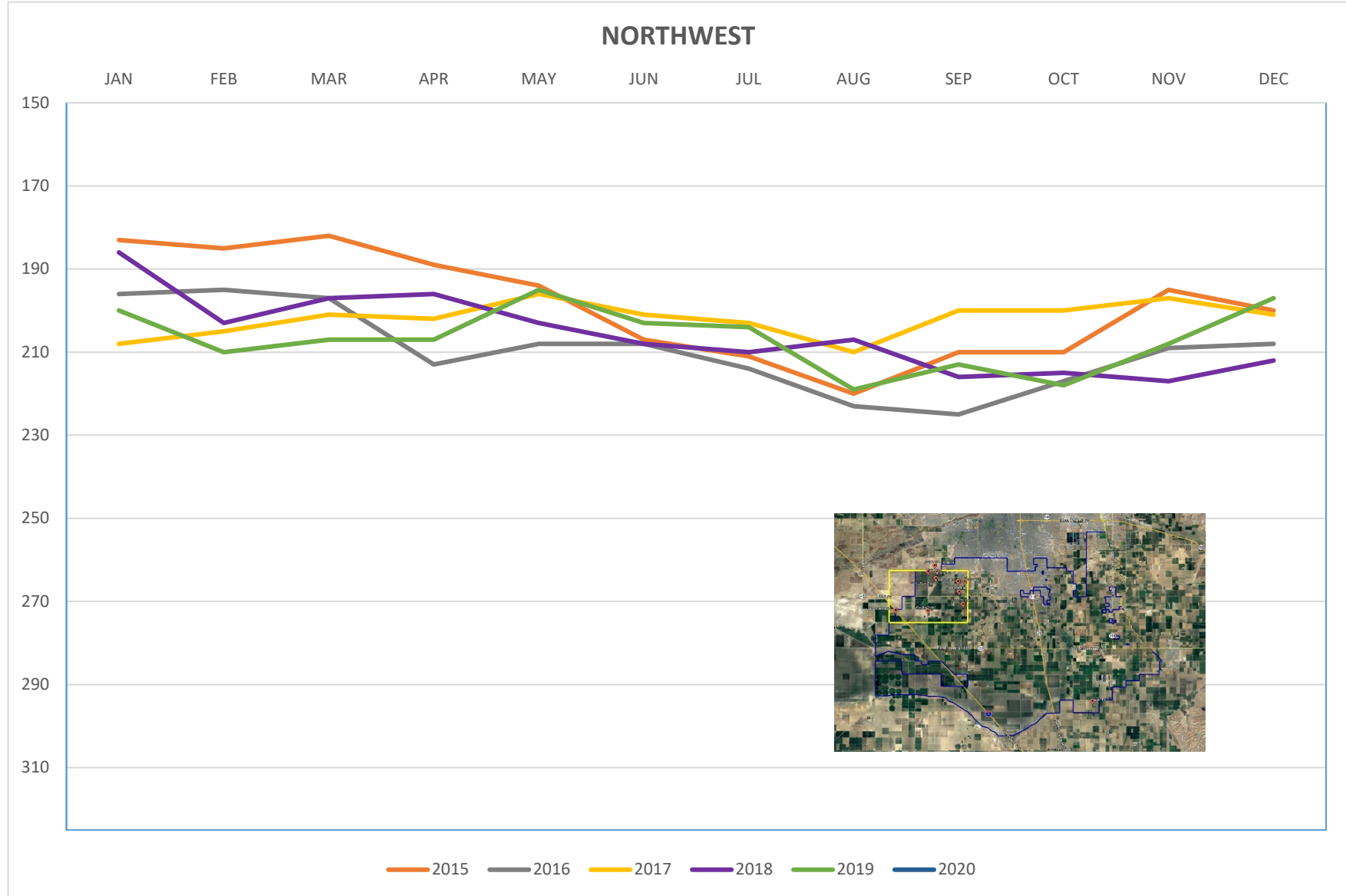
		JAN 2015	JAN 2016	JAN 2017	JAN 2018	JAN 2019	JAN 2020	FEB 2020	MAR 2020	APR 2019	MAY 2020	JUN 2020	JUL 2020	AUG 2020	SEP 2020	OCT 2020	NOV 2020	DEC 2020	HIGH	LOW	AVERAGE
South-Central Quadrant	31/27-20H			NR	NR	NR	211												211	211	211
	31/27-21M			NR	160	L	L												0	0	####
	31/28-20D			NR	180	190	201												201	201	201
	32/27-15B			192	196	231	202												202	202	202
	32/28-19A			216	NR	215	222												222	222	222
	32/28-05A			NR	NR	250	239												239	239	239
	32/28-05B			NR	NR	226	201												201	201	201
	32/28-08R			NR	NR	224	253												253	253	253
Northeast Quadrant	30/28-11F	240	250	254	248	263	263												263	263	263
	30/28-13C			299	290	R	300												300	300	300
	30/28-24R			NR	NR	306	311												311	311	311
	30/28-26R			NR	NR	287	NR												0	0	####
	30/28-36A						212												212	212	212
	30/29-31C			319	323	327	338												338	338	338
	31/28-02H			NR	288	291	290												290	290	290
	31/28-10A			328	249	253	253												253	253	253
Southeast Quadrant	31/28-12P			NR	222	286	284												284	284	284
	31/28-13H2					NR	NR												0	0	####
	31/28-14D			226	233	239	230												230	230	230
	31/28-23H			NR	278	290	286												286	286	286
	31/28-34H			NR	NR	337	206												206	206	206
	31/29-18A			NR	234	335	333												333	333	333
	31/29-28C	326	257	NR	219	347	344												344	344	344
	31/29-30H			NR	NR	NR	NR												0	0	####
	31/29-33J			NR	294	342	250												250	250	250
	32/28-14F	287	NR	NR	NR	NR	222												222	222	222
	32/28-15R	250	305	NR	300	263	272												272	272	272
	32/28-01P			NR	NR	NR	NR												0	0	####
	32/29-06P	193	198	201	NR	183	177												177	177	177

	High	Low	Ave.
NORTHWEST	219	171	203
SOUTHWEST	####	201	225
NORTH-CENTRAL	244	139	211
SOUTH-CENTRAL	####	201	218
NORTHEAST	####	212	281
SOUTHEAST	####	177	258

R = Pump Running
 NR = No Reading (well temporarily inaccessible, unreliable reading, etc)
 CAP = Well has been Capped
 WA= Well added to rotation
 NW = No well, well removed since previous well run
 L = Gated well, letter has been sent to property owner requesting access

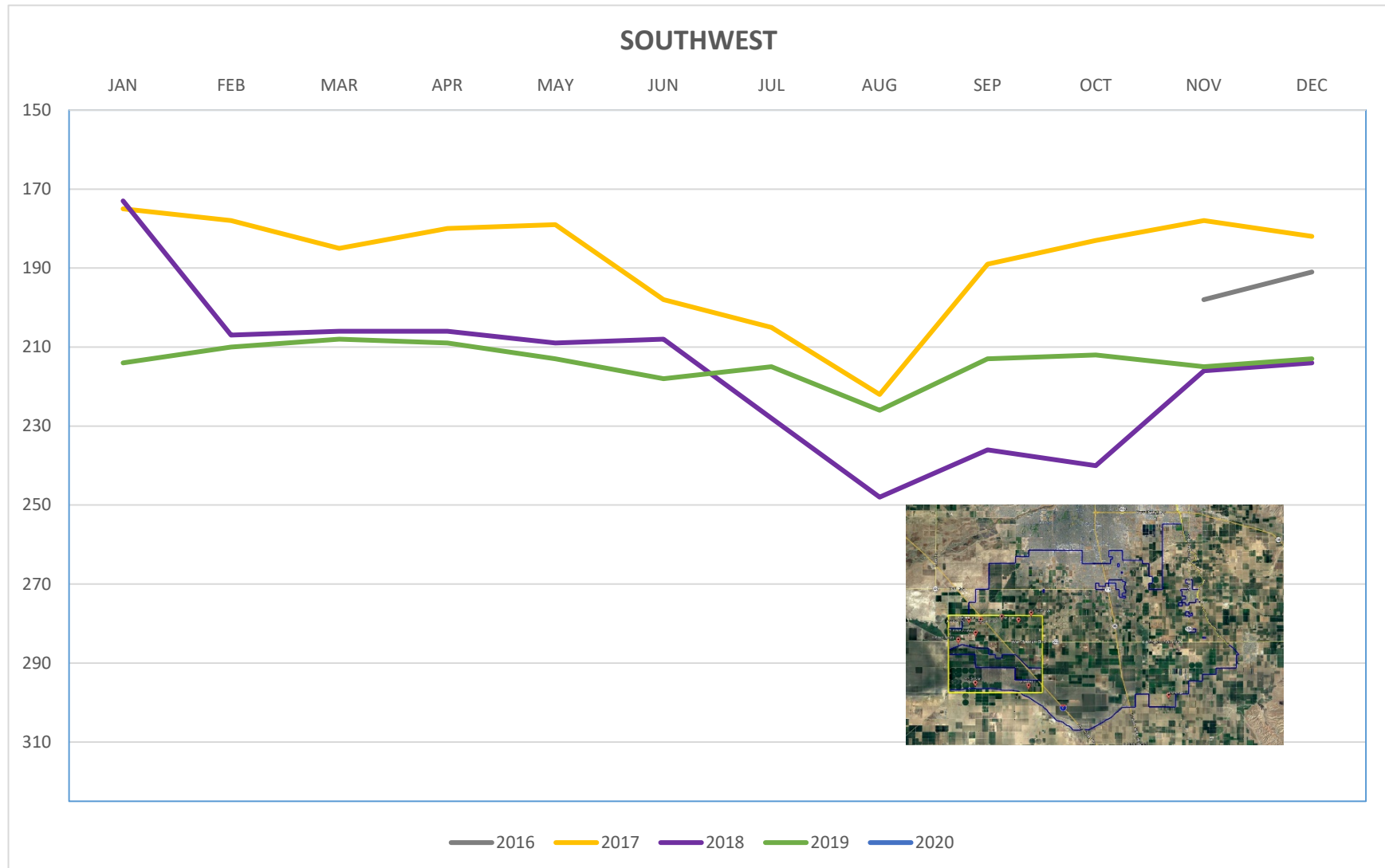
DEPTH-TO-GROUNDWATER

(values in feet)



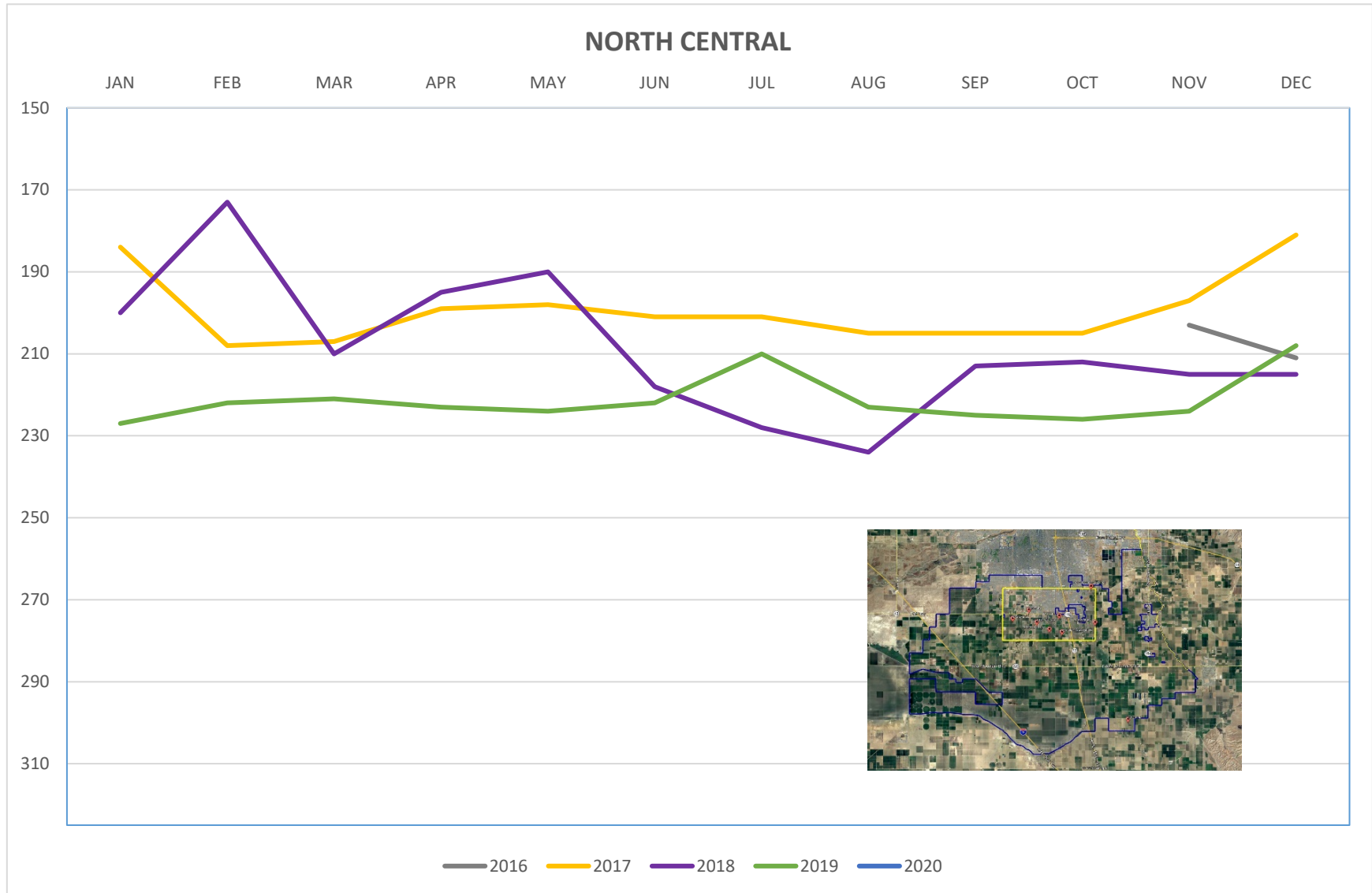
DEPTH-TO-GROUNDWATER

(values in feet)



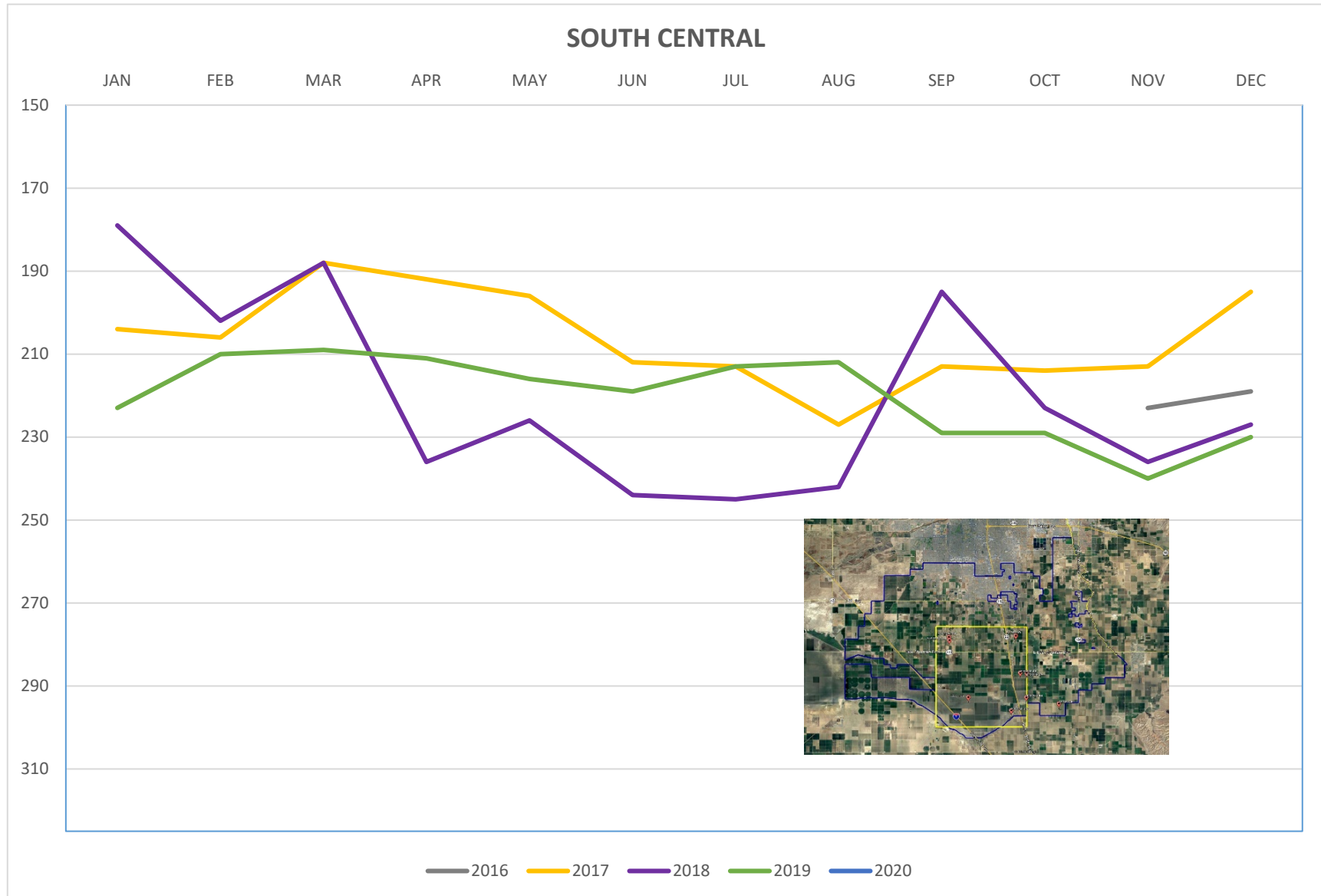
DEPTH-TO-GROUNDWATER

(values in feet)



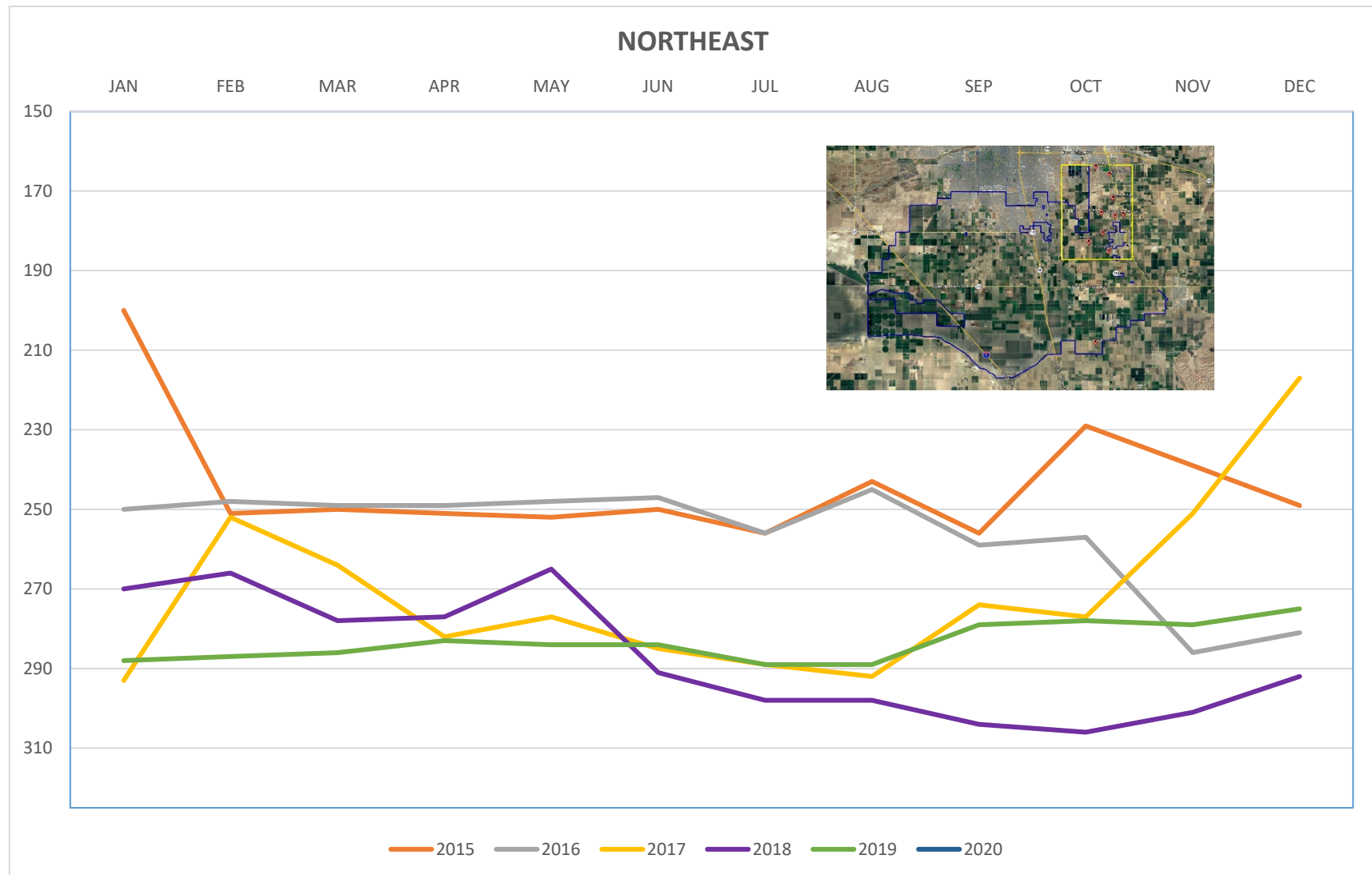
DEPTH-TO-GROUNDWATER

(values in feet)



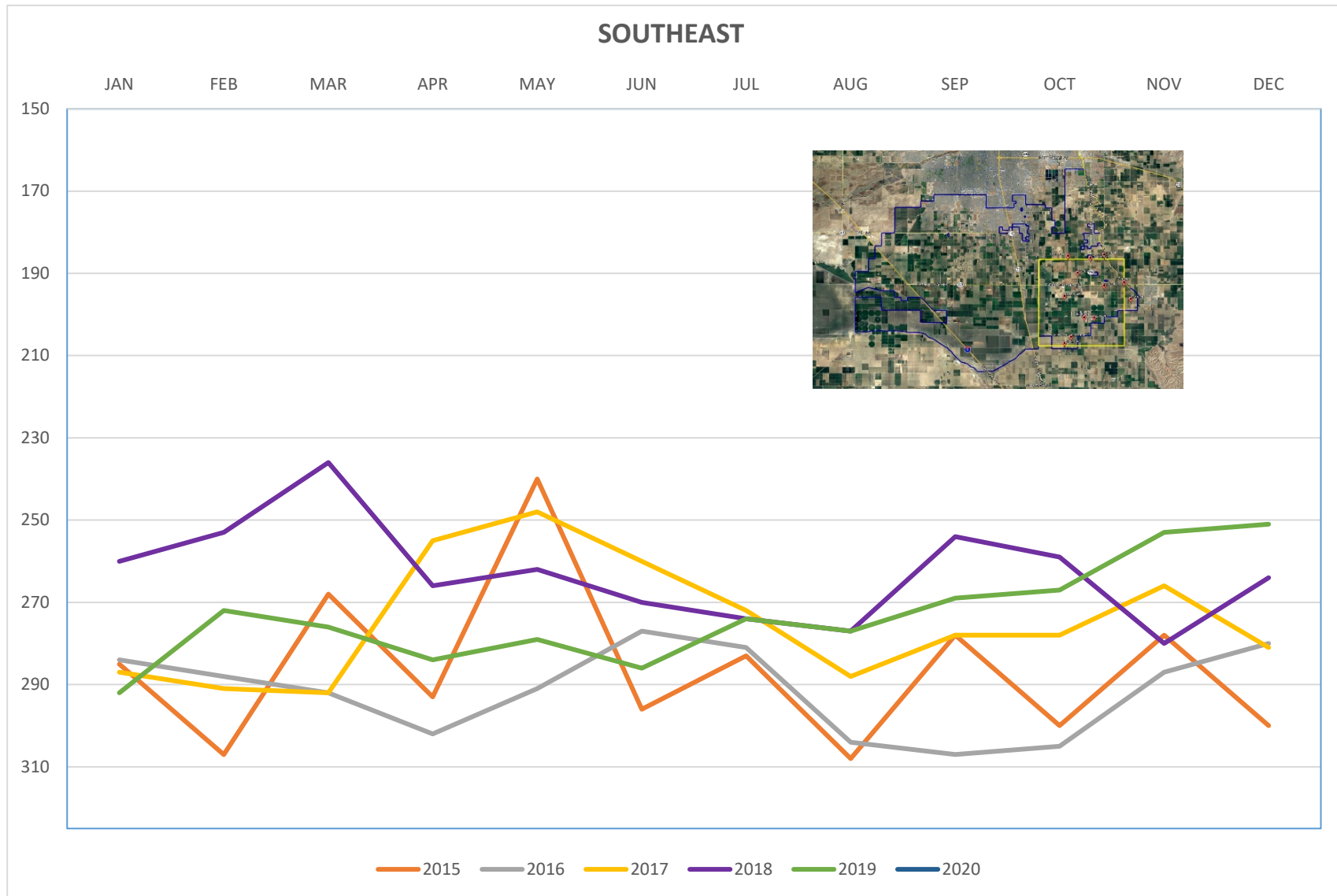
DEPTH-TO-GROUNDWATER

(values in feet)



DEPTH-TO-GROUNDWATER

(values in feet)



Kern River Watermaster

16294 Highway 43

**P.O. Box 1168
Wasco, California 93280**



Office: (661) 758-5153

Cell (661) 201-5527

Fax: (661) 758-6167

January 13, 2020

TO: Kern River Interests

FROM: Dana S. Munn 

RE: Report of Recent Activities

Isabella Dam Safety Modification Project - The January 2020 Situation Report is attached. The Phase II (dam) construction and blasting continues.

The Corp of Engineers staff indicate that they will continue to provide tours of the Isabella project for a maximum of five participants. I will continue to coordinate attendance first with Kern River Interests and then other interested parties.

Runoff and Operations

Attached is a map showing the Kern River remote snow sensors readings for the morning of January 13, 2020, along with the readings last year at the same date, and the April 1st average.

The weather modification program started November 1, 2019. Attached is a report and map from January 9, 2020, operations.

Public Outreach – I continue to respond to press and public inquiries during the month.

Watermaster Records – I continue to review records and forecasted reservoir operations with City staff.

Attachments: January 2020 Situation Report

Map of Kern River Snow Sensors 1/13/20 9:00 AM

Report, 1/9/20 on Weather Modification



ISABELLA LAKE, CA CONSTRUCTION

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG.

Location & Description

Isabella Lake Dam (consisting of a Main Dam, Auxiliary Dam and service spillway) is located about 40 miles northeast of Bakersfield in Kern County, California, and became fully operational in 1953. The Main Dam is located near the confluence of the north and south forks of the Kern River and the Auxiliary Dam is located about half a mile east of the Main Dam. The Main Dam is a 185-foot-high earth-fill dam, and the Auxiliary Dam is a 100-foot-high earth-fill dam. The service spillway is located between the two dams. The reservoir (Isabella Lake) has a gross storage capacity of 568,075 acre feet.

January 2020



Construction of the new emergency spillway at Isabella Lake, looking west from between the dams toward French Gulch Marina. (Photo: U.S. Army Corps of Engineers)

Advisory

- The Phase II Dams and Spillways contractor (Flatiron/Dragados/Sukut Joint Venture, or FDS JV) continues construction activities. As a result, the site including Engineers Point is an active construction area and is off limits to the public.
- Corps policy prohibits public operation of unmanned aircraft systems, such as drones, on or above federal lands and waters managed by USACE. The policy is intended to ensure critical infrastructure security and public safety.

Looking Ahead (Next 30+ days)

- Construction on SR155 near the Main Dam will continue to mid-2020. The contractor has switched traffic to the detour and there will be periodic delays so the contractor can move equipment. USACE will provide updates on expected impacts via public outreach, the monthly SITREP, and the Isabella Task Force.
- Production blasting will continue in 2020. The contractor will establish a safety perimeter to restrict access during each blast, including along SR155 near the main dam, which will be temporarily closed during blasting operations.
- Work on the Old Isabella, South Fork, and Auxiliary Dam recreation areas has restarted. The contractor will replace or provide temporary facilities of all recreation features before demolishing existing facilities. The recreation areas will remain open but the contractor will mark certain areas off limits to ensure public safety during construction operations.

Current Lake Status (as of January 7, 2020)

The current pool resides at 169,461 acre-feet, which is 47% of restricted pool, and an elevation of 2,560.3 feet-IPD. As part of our interim risk reduction measures, Isabella Lake has a restricted elevation of 2,589 feet-IPD (361,250 acre-feet). Current lake status can be viewed at <https://go.usa.gov/xE2pX>

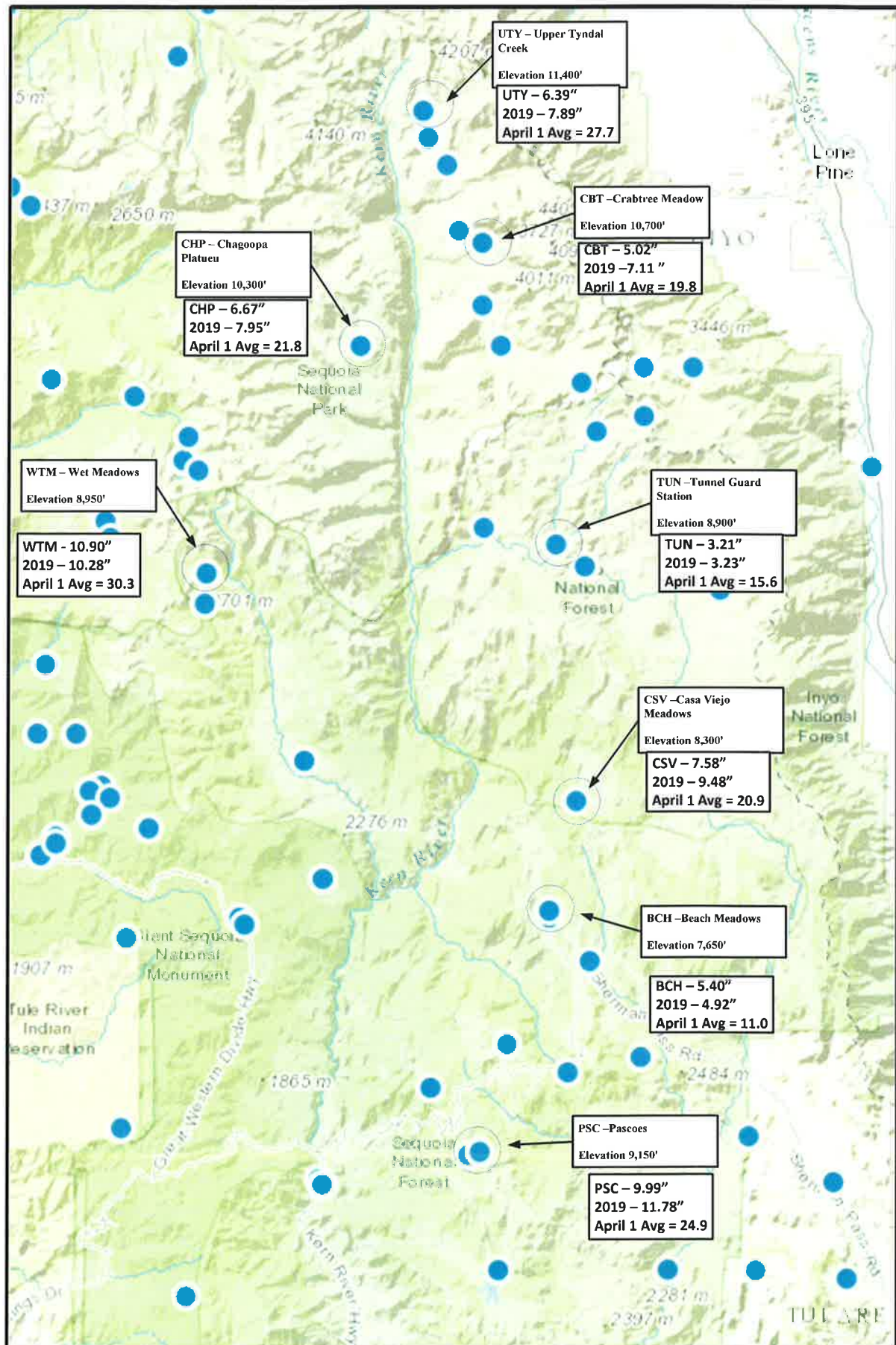
Milestones	
Pre-Construction Engineering and Design	Complete
Construction of USFS Fire Station and Admin Facilities	Complete
U.S. Forest Service Visitor's Information Center	In Planning
Dams and Spillways Construction	2018-2022

U.S. ARMY CORPS OF ENGINEERS, SACRAMENTO DISTRICT, 1325 J ST., SACRAMENTO, CA 95814

www.spk.usace.army.mil/Missions/CivilWorks/IsabellaDam.aspx

916-557-5100

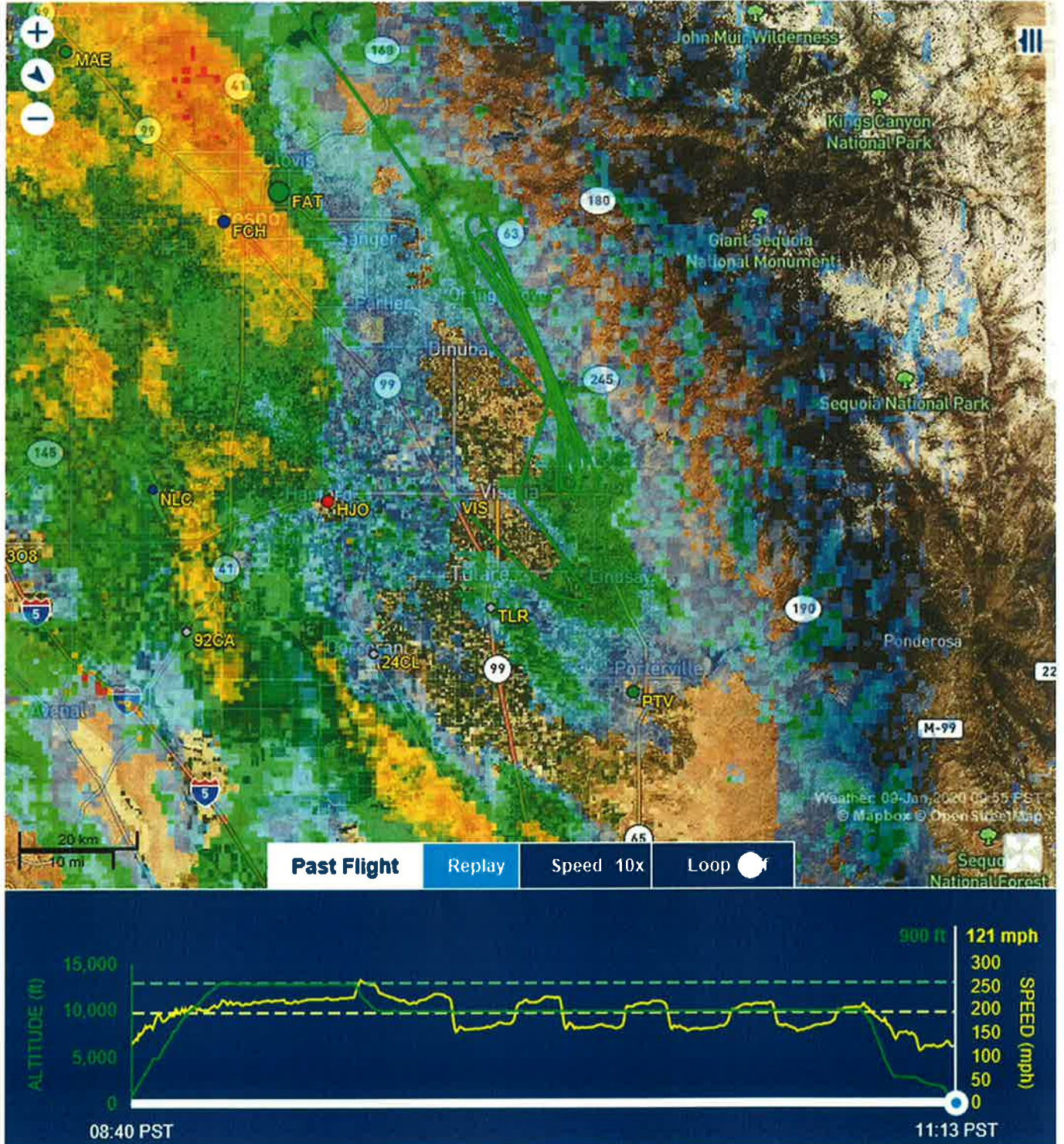
Isabella@usace.army.mil



Kern River Snow Sensors
1/13/20 9:00 AM

January 9, 2020 Weather Modification operation

Crew: Fisher, Shaw Aircraft: N7344L Take off: 8:40 PST Landing: 11:13 PST
Time: 2.5 Altitude: 10,000-15,000 feet Icing: trace to light Turbulence: smooth
Flares: 11 200 gm end burners (2200 gms) Wind speed: 30-40 knots
Wind direction: 260-300



Tab VI



KERN DELTA WATER DISTRICT

Manager's Report January 2020

January 21, 2020

- 1> Verbal.
- 2> Board Ethics Training. Last month the Board received a memo detailing the requirements imposed by the State Legislature (AB 1234) upon local governmental Boards of Directors to receive Ethics training every two years. This training may be done online at your convenience (<http://localethics.fppc.ca.gov>) at no cost. Please complete this training prior to February 1, 2020 and send your Certificate of Completion to the District.
- 3> North West Kern RCD Annual Report. Attachment #1 is a copy of the annual report for the NWKRCD's Mobil Lab covering the period from January 1, 2019 through December 31, 2019. Kern Delta has made its annual contribution of \$4,000 for the Mobil Lab activities.
- 4> 2020 Water Education Foundation Water Tours. The Foundation has announced the schedule for their 2020 tours:

Lower Colorado River Tour	March 11-13
Central Valley Tour	April 22-24
Bay-Delta Tour	June 3-5
Headwaters Tour	September 10-11
San Joaquin River Restoration Tour	September 30 – October 1
Northern California Tour	October 14-16

If you are interested in attending any of the tours, please contact District staff.

- 5> VAWC Sacramento Report. January 2020 Report – Attachment #2.

Attachment

#1



North West Kern Resource Conservation District

5080 California Ave. #150
Bakersfield, CA 93309
(661) 281-2746
(844) 206-6892 fax

Board of Directors
CRAIG FULWYLER
President

JIM GRUNDT
Vice President

GABRIEL GIESICK
Secretary – Treasurer

BRYAN BONE
Director

DON PALLA
Director

MATTHEW HADDON
Director

JOHN GEBHARDT
Director

BRIAN HOCKETT
District Manager

CHRISTINE AGUIRRE
District Secretary

Mark Mulkay, Engineer-Manager
Kern Delta Water District
501 Taft Hwy
Bakersfield, CA 93307-6247

January 6, 2020

Dear Mark,

Enclosed is a copy of the annual report for the North West Kern Resource Conservation District. The period covered is from January 1, 2019 through December 31, 2019.

The following table summarizes the evaluations that were conducted by the Mobile Irrigation Lab in the Kern Delta WD during the 2019 irrigation season.

Table 1. 2019 irrigation season

Grower	System Type	Crop	Acres	DU
Kent Stenderup	Micro/drip	Almonds	75	96
Palla Farms	Micro/drip	Almonds	63	98
Doug Van Surksum	Micro/drip	Pistachios	28	92
Cheswold Investment LLC	Micro/drip	Grapes	56	80
Cheswold Investment LLC	Micro/drip	Grapes	56	76
Palla Farms	Micro/sprinkler	almonds	93	74
Total			371	

The North West Kern RCD would like to thank the Kern Delta WD for their participation in the Mobile Lab program. We look forward to working with the land owners in your district in the upcoming season.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brian W. Hockett".

Brian W. Hockett, District Manager

2019
Annual Report
of the
North West Kern
Resource Conservation District

2019 ANNUAL REPORT

of the
NORTH WEST KERN
RESOURCE CONSERVATION DISTRICT

*5080 California Avenue, Suite #150
Bakersfield, CA 93309*

DISTRICT DIRECTORS

President	- <i>Craig Fulwyler</i>
Vice-President	- <i>Jim Grundt</i>
Secty-Treasurer	- <i>Gabriel Giesick</i>
Director	- <i>Bryan Bone</i>
Director	- <i>John Gebhardt</i>
Director	- <i>Don Palla</i>
Director	- <i>Matthew Haddon</i>

DISTRICT EMPLOYEES

District Manager	- <i>Brian Hockett</i>
District Secretary	- <i>Christine Aguirre</i>
Irrigation Technician	- <i>Don Massey</i>
Irrigation Technician	- <i>Grant Robertson</i>

NATURAL RESOURCES CONSERVATION SERVICE PERSONNEL

District Conservationist	- <i>Brandon Bates/Amy Rocha</i>
Soil Conservationist	- <i>Caleb Griffin</i>
Soil Conservationist	- <i>Emmanuel Hinojosa</i>
Soil Conservationist	- <i>Phuong Ly</i>
Soil Conservationist	- <i>Santos Colberg</i>
Conservation Specialist	- <i>Raul Ramirez</i>
Agricultural Engineer	- <i>Marcos Perez</i>
Ag/Civil Engineer	- <i>Fabian Acuna</i>
WRP Engineer	- <i>Jose Lule</i>
Farm Bill Assistant	- <i>Ashanti Robertson</i>
Biologist	- <i>Bailey Friedman</i>

GENERAL INFORMATION

The North West Kern Resource Conservation District (RCD) has pursued the goals of the District's Long-Range Work Plan throughout the course of the year, emphasizing Irrigation Water Management (IWM). In February of this year, the district annexed the former Rosedale-Rio Bravo RCD boundaries for a total of 744,800 acres, reaching as far west as the north western portion of Kern County, then along the county line east of Delano, and then almost as far south as Taft, with areas in between that are not included in the boundaries.

ACKNOWLEDGMENT

The Natural Resources Conservation Service (NRCS) aided the RCD through in-kind services, of which involved the usage of office space, information, materials within the office and office personnel.

ASSISTANCE

The RCD provided secretarial assistance to the NRCS to process 110 incoming Environmental Quality Incentive Program (EQIP) applications, of which 45 were funded for a total of just over \$4.2M. The RCD also assisted in handling various tasks that occurred daily with the help of the district's secretary.

CONFERENCES

1. Attended the California Association of Resource Conservation District's Annual Conference on November 13-15 in Redding, CA.
3. Gave a presentation at the Pistachio Field Day & Irrigation Performance Workshop on May 30th at the Harris Ranch at the request of the UCCE.

MEETINGS

1. Regular meetings of the RCD were held on the third Wednesday of the month.
2. Participated in steering committee meetings for the Poso Creek Integrated Regional Water Management Group on the 1st Tuesday of the month.
3. Attended SGMA workshop in January.
4. Attended Pistachio Project meeting at Kearney Ag Station in January.
5. Attended CDFA SWEEP workshop at Kern/UCCE in February.
6. Attended Board of Supervisors meeting regarding the annexation of the Rosedale-Rio Bravo RCD.
7. Attended San Joaquin Valley Regional meetings in May and October in Clovis and Madera.
8. Participated in Kern Multi-Jurisdictional Hazard Mitigation Plan Update in July.
9. Participated in Safety Training with the California High Speed Rail Authority for access to Poso Creek job site.
10. Gave presentation on "Why a good DU is important" at Nitrogen Management

Workshop presented by the Kern River Watershed Coalition Authority in November.

COOPERATIVE EFFORTS

1. Conducted seven evaluations in Madera County and two in Tulare County at the request of the NRCS under the Environmental Quality Incentives Program (EQIP).

AGREEMENTS

The RCD had two different agreements during the year which aid the NRCS through the Environmental Quality Incentive Program. One agreement ended on September 30th and the other started on September 29th.

1. Cooperative Agreement No. 68-9104-16-533 (\$75,000.00 for three years) to accelerate implementation of USDA Farm Bill Programs; Environmental Quality Incentive Program (EQIP), Kern, Tulare, Kings, Fresno and Madera counties dated September 23, 2016 through September 30, 2019.

2. Contribution Agreement No. NR199104XXXXC017 (\$25,000.00 for two years) to accelerate implementation of USDA Farm Bill Programs; Environmental Quality Incentive Program (EQIP), Kern, Tulare, Kings, Fresno and Madera counties dated September 29, 2019 through September 30, 2021.

POSO CREEK

In December of the year CalFire crews were employed to conduct a clean-up project. They started by removing downed trees and limbs that had fallen throughout the year. The crews were made up of prisoners from a minimum-security camp outside of Springville. The district continued to work with FEMA regarding its levee restoration project after the flooding in 2017 and anticipates that work to rebuild the levees will begin in April of 2020.

FUNDING

The Mobile Lab is funded through a fee for service. Support from local water districts keeps this fee affordable. In addition, funding is received from the Natural Resources Conservation Service, as mentioned above under 'Agreements.'

Contributions from water districts to the Mobile Lab for the 2018-2019 fiscal year were as follows:

1. Semitropic WSD	\$	10,000.00
2. Arvin-Edison WSD	\$	6,000.00
3. North Kern Water Storage District	\$	6,000.00
4. Shafter-Wasco ID	\$	6,000.00
5. Belridge WSD	\$	5,000.00
6. Berrenda Mesa Water District	\$	5,000.00
7. Buena Vista Water Storage District	\$	2,500.00
8. Cawelo Water District	\$	5,000.00
9. Wheeler Ridge-Maricopa WSD	\$	5,000.00
10. Lost Hills Water District	\$	5,000.00
11. Kern Delta Water District	\$	4,000.00
12. Southern San Joaquin MUD	\$	4,000.00
13. Delano-Earlimart Irrigation District	\$	2,500.00
13. Henry Miller Water District	\$	2,500.00
14. Rosedale Rio-Bravo WSD	\$	2,000.00
15. Kern-Tulare Water District	\$	750.00
Total contributions -	\$	71,250.00

MOBILE LAB PROGRAM ANNUAL PROGRESS REPORT

For services performed from January 1, 2019 to December 31, 2019.

IRRIGATION SYSTEM EVALUATIONS

A total of 131 evaluations were conducted on 15,957 acres during the 2019 irrigation season, with 31 of these being conducted under the NRCS/EQIP Water Conservation program and another ten under the NRCS/EQIP Bay Delta Initiative (BDI) Program.

Table 1. Summary of evaluations conducted in 2019.

System Type	Crop	Number of Evaluations	Acres Evaluated	Average DU (%)
Drip	Alfalfa	1	90	89
	Almonds	32	2,989	93
	Cherries	3	118	79
	Citrus	2	104	87
	Grapes	18	3,060	78
	Pistachios	45	6,927	91
	Total	101	13,288	
Overall average DU				86.2
Micro Sprinkler	Almonds	23	2,414	84
	Citrus	4	95	70
	Total	27	2,509	
	Overall average DU			77.0
Border Strip	Corn	1	40	91
	Wheat	2	114	89
	Total	3	154	
	Overall average DU			90.0

OBSERVATIONS AND RECOMMENDATIONS

Micro-Irrigation Systems

The main cause of non-uniformity during the irrigation season was due to a variation in system pressures. These variations were typically due to improperly set control valves, plugged hose screens and/or debris that had accumulated in the sub-mains and manifolds causing a reduction in pressure. By resetting valves and cleaning hose screens, most of the problems that occurred in these systems were corrected. With the elimination of these problems, overall system uniformity improved dramatically, as shown through later tests.

Other observations and recommendations made during the season included:

1. Installation or replacement of flow meter – The flow meter is an indispensable management tool that can help to monitor the amount of water applied throughout the season. Also, checking the flow meter frequently can help to detect system problems. For example, a steady decline in flow rate may indicate pump wear or a drop in the water level of a well. A slight decline in flow rate can indicate emitter plugging as well.
2. Opening Flush-outs – Upon opening some of the manifold flush outs, it was discovered that the water was very dirty in some systems. Manifold flush-outs should be opened periodically to flush out silt and debris that was not removed by the filters. The frequency at which this should occur will depend on the quality of the irrigation water and the effectiveness of the filters.
3. Hose Flushing – Most water users were very good about flushing hose ends, but in some cases the water coming out the end of the hose was very dirty. With micro-irrigation systems, it is very important to periodically undo the ends of each individual line and flush the dirt and debris from it. If this is not done on a regular basis, the dirty water in the hoses can plug the emitters. Hoses should be flushed as often as necessary depending on the quality of the irrigation water.
4. Emitter Plugging – This was found to be a problem at numerous locations. With micro-irrigation systems, bacteria and algae can build up inside the hoses and emitters and may eventually cause plugging. This can be avoided by regularly injecting chlorine or acid into the system, or some type of material that will promote the breakdown of these clogging agents. Emitters can also be replaced where needed.
5. Hose Screens – Hose screens are valuable for removing large particles that may have escaped from the filter system. However, they can become plugged with algae or debris, thus reducing pressure to a given hose line, and thereby decreasing uniformity to the overall irrigation system. This was found to be the case in some situations throughout the irrigation season, but not as much as in the past as operators are taking out or not even including them in the installation of the system. Chlorine/acid injection can help to prevent this problem from occurring, however, hose screens should be checked periodically for clogging. If they are clogged, they can be rinsed clean or replaced. Not all systems have hose screens installed to avoid this potential plugging problem. Even in some of the older systems, the screens had been taken out.
6. Leaks – It is important that irrigation workers are aware of leaks due to damaged hoses, missing emitters, broken valves, leaky risers, etc. Even a small leak can reduce the pressure in a line and cause a non-uniform application of water. On several occasions, leaks were a contributing factor in the overall non-uniformity of the system.
7. Different Emitter Types – Mixing emitters can adversely affect the distribution uniformity by applying different amounts of water to those plants with different emitters. Emitters are often mixed accidentally by irrigation workers when they come across a broken or plugged emitter in the field. When repairing these emitters, they

may sometimes substitute a different emitter type because it is the only one available at the time. It is essential in this situation to match the replacement emitter with the existing ones in the field to maintain the proper flow and uniformity of the irrigation system. Most of the time, there may be one additional type of emitter due to the above-mentioned situation. On various occasions however, there were several different emitter types in the field, leading to severe non-uniformity.

Border Strip Systems

Three tests were conducted under the NRCS EQIP program. Uniformity was much better when the grower was able to recycle the tailwater through a return system for re-use in the same set.

Preparing for the 2020 irrigation season

As growers are getting ready for the upcoming season, the Mobile Lab will be available to assist them with their irrigation needs. Being an efficient irrigation water manager is essential in today's water environment, as we are faced with many water related challenges that will impact the way we do business in the future.

Attachment

#2

SACRAMENTO REPORT

January 2020



Volume 15, Issue 1



NEWS BRIEFS

Notice of Preparation of Environmental Impact Report for the Delta Conveyance Project

The Department of Water Resources (DWR) released on January 15, 2020, a [Notice of Preparation](#) (NOP) for a proposal to modernize water infrastructure in the Sacramento-San Joaquin Delta, initiating environmental review in compliance with the California Environmental Quality Act (CEQA). The NOP, announcing the

continued on next page

State Agencies Release Draft Water Resilience Portfolio

State agencies released a draft water resilience portfolio January 3 with a suite of recommended actions to help California cope with more extreme droughts and floods, rising temperatures, declining fish populations, aging infrastructure and other challenges.

The California Natural Resources Agency, California Environmental Protection Agency and Department of Food and Agriculture developed the draft to fulfill Governor Gavin Newsom's April 29, 2019 executive order calling for a portfolio of actions to ensure the state's long-term water resilience and ecosystem health. Shaped by months of public input, the draft portfolio outlines more than 100 integrated actionable recommendations in four broad areas to help regions build water resilience as resources become available, while at the same time providing state leadership to improve infrastructure and protect natural ecosystems. The draft document can be found [here](#).

Those areas include:

- Maintain and diversify water supplies: State government will continue to help regions reduce reliance on any one water source and diversify supplies to en-

See Water Resilience Portfolio page 2

Nov. Bombshell Continues to Reverberate in the Water World

An announcement last fall that California intends to file litigation against federal agencies continues to confound water managers across the state.

On November 21, 2019, the California Natural Resources Agency and California Environmental Protection Agency announced a series of actions to protect imperiled fish while improving real-time management of the State Water Project (SWP). That same day, the Department of Water Resources (DWR) took a formal step toward more fish-protective management of the State Water Project (SWP) by releasing a draft environmental impact report under the California Environmental Quality Act. The announcement and DWR step reflects the state's assessment that operating rules proposed by federal agencies—to replace those in effect since

See Bombshell page 4

Valley Ag Water Coalition
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Cristel Tufenkjian, Secretary-Treasurer
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Inside Sacramento Report

Governor's Proposed Budget for 2020-21 Released 6

NEWS BRIEFS *continued*

preparation and environmental impact report (EIR) for the proposed Delta Conveyance Project, marks the first step under the CEQA process.

The proposed project described in the NOP is a single underground tunnel with two intakes that together have a total diversion capacity of 6,000 cubic feet-per-second (cfs). The NOP notes that there will likely be alternatives identifies that evaluate a range of capacities from 3,000 cfs to 7,500 bfs. The NOP signals the start of the shopping process for the EIR and provides an opportunity for members of the public and agencies to provide input on the scope and content of the EIR, including information needs, potential project effects and mitigation measures, and possible alternatives to the proposed project.

Public comments on the NOP are due March 20, 2020 by 5:00 p.m. and may be submitted via email at DeltaConveyance-Scoping@water.ca.gov or mail at Delta Conveyance Scoping Comments Attn: Renee Rodriguez, Department of Resources, P.O. Box 942836, Sacramento, CA 94236.

Seven public scoping meetings are scheduled to receive written and verbal comments. A listing of the public scoping meetings may be found [here](#).

Independent from the CEQA process, DWR also intends to seek a court ruling this spring to affirm its authority to issue revenue bonds for a future conveyance facility.

continued on next page

Water Resilience Portfolio, continued from page 1

able flexibility amidst changing conditions. Diversification will look different in each region based on available water resources, but the combined effect will strengthen resilience and reduce pressure on river systems.

- Protect and enhance natural ecosystems: State leadership is essential to restore the environmental health of key river systems to sustain fish and wildlife. This requires effective standard-setting, continued investments, and more adaptive, holistic environmental management.
- Build connections: State actions and investment will improve physical infrastructure to store, move, and share water more flexibly and integrate water management through shared use of science, data, and technology.
- Be prepared: Each region must prepare for new threats, including more extreme droughts and floods and hotter temperatures. State investments and guidance will enable preparation, protective actions, and adaptive management to weather these stresses.

“This draft portfolio has been shaped to provide tools to local and regional entities to continue building resilience and to encourage collaboration within and across regions,” Natural Resources Secretary Wade Crowfoot said. “At the same time, state government needs to invest in projects of statewide scale and importance and tackle challenges beyond the scope of any region. Taken together, the proposed actions aim to improve our capacity to prepare for disruptions, withstand and recover from shocks, and adapt from these experiences.”

To develop the portfolio, state agencies conducted an inventory and assessment of key aspects of California water, soliciting broad input from tribes, agencies, individuals, groups, and leaders across the state. An interagency working group considered the assessment and input from more than 20 public listening sessions across the state and more than 100 substantive comment letters.

“From Northern California to the Central Valley and the South, Californians from cities, farms, and other sectors are working together to develop innovative solutions to the climate-related water challenges that the state is already experiencing and that are expected to worsen,” said California Environmental Protection Agency Secretary Jared Blumenfeld. “This draft portfolio is an important step toward building resilience to ensure the long-term health of our water supplies and ecosystems.”

VAWC Executive Director Bob Reeb has been reading through the 148-page draft document and has noted a significant number of recommendations that will be of interest to Coalition members and the San Joaquin Valley.

“Implementation of the Sustainable Groundwater Management Act is the focus of a significant number of recommended actions under the maintenance and diversification of water supplies portion of the draft report,” Reeb said. There are no surprises here; the State Water Board and DWR will be directed to support local implementation however possible, and where basin managers are unable or unwilling to implement the law, exercise appropriate enforcement.

“There’s also a significant emphasis on exploring ways to further streamline groundwater recharge and banking efforts and provide technical assistance to facilitate the redirection of water during periods of extended high flows to allow water to sink into aquifers, including on agricultural land,” Reeb continued. “State funding for groundwater recharge projects will be focused on projects

See Water Resilience Portfolio, page 3

that provide multiple benefits and create flexibility for groundwater sustainability agencies to trade water within basins.”

The draft portfolio calls for state agencies to implement the newly adopted State Wetlands Policy to make regulation of wetlands more protective, predictable, and consistent, and provide training to state and local water managers on those regulations. Regarding the Sacramento-San Joaquin Delta, the draft portfolio calls for protecting the economic and ecological vitality of the Sacramento-San Joaquin Delta. The need to complete the update to the Bay-Delta Water Quality Control Plan for San Francisco Bay and the Delta is highlighted as well as implementing the Plan, potentially through voluntary agreements.

“I anticipate a plethora of bills being introduced this year ahead of the finalization of the portfolio recommendations,” Reeb said. “For example, one recommendation that will require legislation would add a requirement to agricultural water management plans to mandate agricultural water suppliers that receive water from Delta-based projects to demonstrate how they are reducing reliance on those supplies. This ‘interpretation’ of the Delta Reform Act of 2009 is often trotted out by environmental organizations, but state policy does not call for reducing reliance on existing water supplies that are exported through the Delta—like that from the federal and state water projects. Section 85021 of the Water Code states that it is the policy of the State of California “to reduce reliance on the Delta in meeting California’s future water supply needs through a statewide strategy of investing in improved regional supplies, conservation, and water use efficiency.””

Section 85021 goes on to state: “Each region that depends on water from the Delta watershed shall improve its regional self-reliance for water through investment in water use efficiency, water recycling, advanced water technologies, local and regional water supply projects, and improved regional coordination of local and regional water supply efforts.”

“The draft portfolio recommendation likely expands on the existing state policy and not in a good way for agricultural water suppliers—particularly those that will struggle to implement SGMA without shutting down the farm economy in their respective service areas,” Reeb said.

Another key area of the draft portfolio calls on state agencies to continue studies of subsidence effects on water infrastructure and support strategies to minimize damage from ongoing subsidence, halt subsidence, and rehabilitate infrastructure. One proposed action would direct the Water Commission to assess a state role in financing regional conveyance projects that could help meet needs in a changing climate.

Members of the public will be able to submit written feedback on the draft portfolio through February 7. A final water resilience portfolio will be released soon after that.

“State agencies are only one set of water decision-makers in California,” California Secretary for Food and Agriculture Karen Ross said. “Continuing to improve our water systems relies on collaboration across all groups of water users and all stakeholders. Accordingly, feedback on this draft will be important to refining and finalizing our portfolio.”

Information on how to submit written feedback on the draft can be found at WaterResilience.ca.gov.

As part of the state’s continued commitment to public engagement, the Natural Resources Agency has launched a new Secretary’s Delta Roundtable to provide a forum for direct conversation with Delta leaders on conveyance as well as major issues facing the Delta including but not limited to levees, flood protection, water quality, farmland preservation and aquatic invasive species.

PUBLIC NEGOTIATION SESSION: SWP Contract Amendment for Delta Conveyance

The next negotiation session for the SWP Contract Amendment for Delta Conveyance is scheduled for Monday, January 27, 2020 starting at 10:00 a.m. and is expected to adjourn by 3:00 p.m. The meeting will be held at the Marriott Sacramento Rancho Cordova, 11211 Point East Drive, Rancho Cordova, CA 95742.

The public meeting for negotiations on contract amendments for Delta Conveyance previously anticipated by the extension notice for Wednesday, January 22, 2020 will not occur.

Members of the public also may participate via conference call:

PHONE LINE: 719-359-4032

ACCESS CODE: 474346#

A webinar option will also be available for remote participants to view documents and presentations during the meeting. The webinar can be accessed via the following link: <http://kearnswest.adobeconnect.com/deltaconveyance>. For best audio quality it is recommended to call in using the phone line.

continued on next page

NEWS BRIEFS *continued*

However, participants also have the option to listen to audio through the webinar.

Meeting materials will be posted online at: <https://cadwr.app.box.com/s/irusyewojv4nwzmxzfng-hzmgli9sswcw>

Community and Economic Enhancement Grant Program (Prop. 68) Now Open

The Sacramento-San Joaquin Delta Conservancy is excited to announce the opening of their new Community and Economic Enhancement Grant Program. Starting January 6, 2020, the Conservancy will accept concept proposals on a rolling basis. More information, and the concept proposal template, can be found at: <http://deltaconservancy.ca.gov/proposition-68>.

2020 California Environmental Assembly

Each year, the Planning and Conservation League addresses top environmental policy issues that face California. Their Assembly this year is focusing on climate change and what can be done together to slow down the effects of global warming. Expert panelists from agencies, organizations, companies, and law firms will pitch their big ideas on how to solve the most pressing issues of our time. The Assembly is being done in collaboration with Green California to bring you panels on topics not previously addressed before, such as fossil fuels, biodiversity, agriculture, and health and environmental justice.

PCL will also continue their Emerging Leaders Panel as a way to bring young advocates into the environmental policy

continued on next page

Bombshell, continued from page 1

2009—are not scientifically adequate and fall short of protecting species and the state’s interests. The decision to file litigation was justified in order to ensure adequate protection of endangered species, and the shared responsibility of state and federal water project operations to protect those species and to protect the state’s interests.

At the time of the announcement, Governor Gavin Newsom and leaders in his administration had much to say.

“When California has the opportunity to tackle a longstanding challenge with innovative, collaborative solutions, we take it,” said Governor Gavin Newsom. “We are once again marshaling our collective resources — and building on our record of strong, science-based environmental policies — to chart a new path forward for water policy in California. As stewards of this state’s remarkable natural resources, we must do everything in our power to protect them. The next generations of Californians deserve nothing less.”

“We value our partnerships with federal agencies on water management, including our work together to achieve the voluntary agreements,” said California Secretary for Environmental Protection Jared Blumenfeld. “At the same time, we also need to take legal action to protect the state’s interest and our environment.”

To date, however, the state has not filed litigation against federal agencies. And, the announcement and threatened litigation has cast serious doubt as to whether a years-long process to develop alternatives to a State Water Resources Control Board move to mandate increased unimpaired flows in Delta tributaries will survive. Without the so-called ‘voluntary agreements’ that would provide investments in habitat, ecosystem restoration and flow regimes less extreme than those suggested by the State Water Board, multiple water suppliers signaled that legal challenges to any final Board decisions would inevitably result.

One prominent water manager communicated his frustration to Crowfoot and Blumenfeld weeks after the announcement, when it became apparent that state representatives were not communicating with their federal counterparts.

“It is not enough for the state merely to...assert the new (federal) biological opinions “are not scientifically adequate and fall short of protecting species,”” the manager wrote. “It is incumbent on the state: (1) to identify, with specificity, in what ways the new biological opinions are inadequate or “fall short;” (2) to propose specific revisions to biological opinions, based on scientific and commercial data available; and (3) to explain why the proposed revisions are required under the federal ESA to avoid jeopardy or adverse modification of designated critical habitat.”

The manager was clear, and not alone, in expressing belief that the state’s threat of litigation places at risk collaborative solutions for providing sufficient water for environmental uses, habitat restoration, science-based adaptive management, and more reliable, adequate water supplies.

“It will be impossible to reach a voluntary agreement concerning potential flow and non-flow measures to support the viability of native fishes in the Bay-Delta watershed,” the manager wrote.

Water managers are not alone in expressing frustration and concern.

See Bombshell page 5

In a December 19, 2019 letter to Governor Newsom and Department of Interior Secretary David Bernhardt, United States Senator Dianne Feinstein wrote:

“I am deeply worried that we are on a disastrous course for California’s water management that will harm both California’s communities and its environment. To avoid this outcome, I urge California and the Department of Interior to make every effort to develop consistent standards for coordinated operations of the Central Valley and State Water Projects in order to meet both parties’ responsibilities under the federal and state Endangered Species Acts.

“I urge you both to consider the long-term impacts of a protracted disagreement and lengthy litigation impeding progress on all fronts.”

Senator Feinstein concluded her letter by admonishing the two gentlemen that the only way to avoid the potential crisis was for federal and state agencies to work together toward a mutually beneficial agreement. She ended saying that she stood ready to help in any way that she was able.

At the same time persons are engaged in communication to avoid the potential crisis to which Feinstein refers, the draft environmental impact report released by DWR is undergoing public review and comment. State Water Contractors sent its comments to DWR last week stating its concurrence with the Department’s conclusion that the proposed project identified in the environmental document avoids jeopardizing the continued existence of covered fish species and includes measures to minimize and fully mitigate the impacts of the proposed incidental taking. The 18-page State Water Contractors’ letter clearly stated a key difference of opinion with DWR, however:

“Since DWR concluded that the Proposed Project has no significant environmental impacts, no additional alternatives should have been included in the DEIR as there are no significant effects requiring mitigation. Similarly, DWR should not have proposed anything beyond the Proposed Project in its incidental Take Permit Application for the Long-Term Operation of the California State Water Project (“CESA Application”) because the Proposed Project already satisfies CESA. By incorporating portions of the project alternatives into the CESA Application, DWR is incorporating mitigation into the project description that is not in proportion with the effect of the project and is therefore in excess of legal requirements. (Cal. Fish & Game Code §2081(b)(2) [“The measures required to meet this obligation shall be roughly proportional in extent to the impact of the authorized taking on the species,” and, “...measures required shall maintain the application’s objectives to the greatest extent possible.”]) The Proposed Project identified in the DEIR already includes the legally necessary and scientifically based operational requirements to avoid jeopardizing the continued existence of covered species and to minimize and fully mitigate the impacts of the proposed taking of covered species including approximately \$450,000,000 worth of mitigation measures, in addition to the upwards of approximately \$1 billion of mitigation measures contained in the CVP/SWP Biological Opinions, some of which DWR is also responsible for implementing.”

In its concluding remarks, State Water Contractors General Manager Jennifer Pierre writes that: “We will continue to support adaptive management activities that help us to better understand and manage the Delta ecosystem and water supply...Despite these objections, we hope to support DWR in the future as it seeks legally and scientifically sound solutions.”

conversation and provide those without a voice with a place to discuss their perspective on a more sustainable future and the work we can do to get there.

The Assembly will take place on Saturday, January 25 at McGeorge School of Law, Sacramento. More information is available at: <https://www.pcl.org/assembly/>

WestFAST Webinar Will Review Presidential Water Memorandum

The [Western States Federal Agency Support Team \(WestFAST\)](#) will host a [webinar](#) on Wednesday, Jan. 29 to provide an overview of [President Trump’s memorandum](#) on promoting a reliable water supply in the west. The memorandum, which was released in October, also calls for reliable delivery of water. The webinar will include action plans developed in response to the memorandum.

Agriculture and Urban Water Issues on Agenda for CII Annual Conference

[The annual conference](#) of the [California Irrigation Institute \(CII\)](#) will focus on cultivating the future of the state’s water. The conference will be Jan. 27 and 28, in Sacramento. The [agenda](#) includes multiple sessions addressing a variety of agriculture and urban water issues. Registration information is available [HERE](#).

Water Education Foundation Schedules Seven Water Tours for 2020

The Water Education Foundation has released its schedule of seven [water tours](#) for 2020. It begins Feb. 20 and 21 with a

NEWS BRIEFS *continued*

[Water 101](#) workshop and tour of water projects in the Sacramento area. Other tours will cover the lower Colorado River, the Bay-Delta, the Central Valley, and the San Joaquin River.

DWR Issues Report on Prioritization of California's Groundwater Basins

DWR has completed a multi-year project to prioritize 515 groundwater basins in California. [The Sustainable Groundwater Management Act 2019 Basin Prioritization](#) report identifies 94 basins that are required to develop groundwater sustainability plans (GSPs) under the [Sustainable Groundwater Management Act](#).

2016 Statewide Crop Mapping Data Posted by DWR

California's [statewide crop mapping](#) data for 2016 has been posted online by DWR. It provides agricultural land use information for all 58 counties. The crop-mapping data is essential in the effort to sustainably manage California's water resources.

UPCOMING MEETINGS

CA Water Commission

Jan. 15, 2020; 9:30am
State of CA, Resources Building
1416 Ninth St., 1st Floor Aud.
Sacramento, CA 95814
[Agenda](#)

Delta Protection Commission

Jan. 16, 2020; 5:30pm
Oakley City Council Chamber
3231 Main Street
Oakley, CA 94561
[Agenda](#)

continued on next page

Governor's Proposed Budget for 2020-21 Released

Governor Gavin Newsom submitted his 2020-21 State Budget proposal to the Legislature on Friday, January 10. The Governor's \$222 billion proposed budget continues to grow the reserves in the Rainy Day Fund and assumes an additional transfer of nearly \$2 billion in 2020-21 and an additional \$1.4 billion over the remainder of the three-year forecast period. The Rainy Day Fund balance is projected to be \$18 billion in 2020-21 and \$19.4 billion by 2023-24. The proposed budget also maintains \$900 million in the Safety Net Reserve, sets aside \$110 million more in the Public School System Stabilization Account – bringing its total balance to \$487 million, and reserves \$1.6 billion in the Special Fund for Economic Uncertainties to address emergencies and other unforeseen events. Overall the proposed budget has \$21 billion set aside in reserves.

The proposed budget includes \$12 billion investment over the next five years to protect the state's environment, address the effects of climate change, and promote resiliency. Three key areas of the climate section of the budget are a proposed \$4.75 billion climate-resilience bond the Governor hopes to put in front of voters this fall, a \$965 million cap-and-trade expenditures to continue the transition to carbon-neutral economy, and a new Climate Catalyst fund to promote the deployment of new technologies, especially by small businesses and emerging industries. The cap-and-trade investment is in addition to \$1.5 billion provided annually.

The Climate Catalyst Fund, which will be administered by the Infrastructure and Economic Development Bank, will finance investments in low-carbon transportation, sustainable agriculture and waste diversion through low-interest loans. The Budget proposes to capitalize the Fund with \$1 billion General Fund over the next four years.

The budget also lays out \$53 billion toward infrastructure over five years, with more than 75 percent of the proposed funding going to transportation, which makes up 40 percent of the state's carbon emissions. It also includes investments in housing, water, and energy.

The Governor's released budget and its accompanying summaries can be found at: <http://www.ebudget.ca.gov/budget/2020-21/#/BudgetSummary>

2020 Bond Proposals

In his budget, the Governor is proposing a \$4.75 billion climate resilience bond, which Newsom hopes to put in front of voters this November. The bond would address climate risks across California through long-term investments in natural and built infrastructure, especially in California's most vulnerable communities. Approximately 80 percent of the bond would go toward addressing immediate risks like floods, drought and wildfires. The rest would go to long-term challenges such as sea level rise or extreme heat.

More than 60 percent of the bond focuses on reducing risk to water systems in communities—including funds for sustainable groundwater management, safe drinking water, flood control, the Salton Sea, farm incentives and safe passage for fish in streams and rivers.

The bond would also allocate \$500 million to Harden infrastructure in high-fire-risk communities and \$250 million for forest health projects—that's in addition to fuel reduction activities paid for by the Greenhouse Gas Reduction Fund and also the amount that the Legislature and governor have required utilities to contribute.

See Proposed Budget, page 7

Proposed Budget, continued from page 6

There is a concern that voters may be weary of more bonds because the state has borrowed so much money in recent years that officials have not been able to get out. Of the \$150 billion in borrowing authorized by voters in recent years, more than \$34 billion has yet to be spent. In addition, voters will be asked in March to approve Proposition 13, the Public Preschool, K-12, and College Health and Safety Bond Act of 2020, which would borrow another \$15 billion to build more public schools, increasing the changes of spending fatigue – especially as California's economy continues to grow, producing record budget surpluses. However, supporters of a climate bond proposal are hopeful that residents of climate-conscious California will embrace borrowing aimed at protecting the environment.

The Legislature on its side is working on its own climate bond proposal. Senate Bill 45, the Wildfire Prevention, Safe Drinking Water, Drought Preparation, and Flood Protection Bond of 2020, would authorize the borrowing of \$4.2 billion, with \$1.6 billion of that money going to wildfire and drought prevention, \$1.2 billion funding safe drinking water initiatives and protection of water resources during a natural disaster, \$600 million for coastal, ocean, and natural resource protection against disasters, \$500 million to protect fish and wildlife during natural disasters, \$200 million to protect agricultural land against disasters, and \$100 million for climate resilience and education.

SB 45 is a holdover bill from last year and as such it must pass the Senate by the end of January in order to continue moving forward. The bill must be approved by both houses of the legislature, and signed by the governor before it can be presented to the voters for approval in the November ballot.

The bill's price tag could grow as lawmakers discuss adding more projects for things like buying solar batteries and fuel cells to keep the lights on at nursing homes and other vulnerable sites when utility companies preemptively shutoff electricity to prevent wildfires during windy conditions. Last year, the bill was constantly amended before Senate votes, with many Senators disagreeing over the wordage, who should get funding, and the amount itself. In the last amendment in September, almost \$200 million alone was added to the bond amount.

SB 45, authored by Senator Ben Allen (D-Redondo Beach), Anthony Portantino (D-Glendale) and Henry Stern (D-Calabasas), is scheduled to be heard in the Senate Appropriations Committee next Tuesday, January 21. Senator Portantino chairs that committee.

*Sacramento Report is published monthly by Reeb Government Relations, LLC
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UPCOMING MEETINGS

continued

State Water Resources Control Board

Jan. 21, 2020; 9:30am

Joe Serna Jr.-CalEPA Building
1001 I St., Coastal Hearing Rm
Sacramento, CA 95418

[Agenda](#)

Delta Stewardship Council

Jan. 23, 2020; 9:00am

Tsakopoulos Library Galleria
828 I Street, East Meeting Room
Sacramento, CA 95814

[Agenda](#), [Webcast](#)

State Water Resources Control Board

Feb. 4, 2020; 9:30am

Joe Serna Jr.-CalEPA Building
1001 I St, Coastal Hearing Rm
Sacramento, CA 95418

Agenda (Not Yet Posted):

https://www.waterboards.ca.gov/board_info/calendar/#01-2020

Sacramento-San Joaquin Delta Conservancy

Program and Policy Subcommittee Meeting

Feb. 19, 2020; 1:00pm

1450 Halyard Drive,
Delta Conservancy Conference Room

West Sacramento, CA 95691

Notice: <http://deltaconservancy.ca.gov/updates-events/>

Valley Ag Water Coalition

The mission of the Valley Ag Water Coalition is to represent the collective interests of its San Joaquin Valley member agricultural water companies and agencies in California legislative and regulatory matters by providing leadership and advocacy on issues relating to the development and delivery of a reliable farm water supply.