

**Ojai Basin Groundwater Management Agency**  
**Meeting**  
**April 29, 2021**  
**3:00 pm**  
**Zoom Conferencing Meeting**  
**Agenda Package**



Ojai Basin Groundwater Management Agency  
A Special District of the State of California

**AGENDA**  
**Ojai Basin Groundwater Management Agency**  
**Meeting of April 29, 2021**

Meeting Time 3:00 pm

**Zoom Teleconference Meeting**

Phone: (805) 640-1207    Web site: [obgma.com](http://obgma.com)

Email address: [obgma@aol.com](mailto:obgma@aol.com)

“Note: Due to staffing and facility availability on Thursday, April 29, 2021, **OBGMA will hold its regular board meeting at 3:00 p.m.**, not the normally scheduled time of 5:00 p.m.”

Pursuant to Governor Newsom's Executive Order N-25-20, Board Members of the Ojai Basin Groundwater Management Agency will participate in this meeting via a teleconference from separate locations.

In the interest of maintaining appropriate social distancing, this meeting will be available through:

**For Public Call In Participation:**

1. Zoom Dial In Information: 1-669-900-9128, Meeting ID: 827 5712 7464, Password: 218792.

**For Public Viewing**

2. The OBGMA.com Website;
3. City of Ojai YouTube Channel at:  
<https://www.youtube.com/channel/UC3DhCB5Z1DynNC7n8qcNeDQ/live> (2 Minute delay of transmission)
4. Spectrum Channel 10.

**Public Comments:** Members of the public who Call In may provide public comment. Please wait until the Board Chair ask if any members of the public wish to comment. This will provide for orderly participation during the meeting.

Members of the public may also submit written public comments in advance via e-mail no later than 12:00 p.m. on the day of the meeting. Public comment e-mails should be sent to [OBGMA@aol.com](mailto:OBGMA@aol.com).

**1. CALL TO ORDER AND ROLL CALL**

**2. PLEDGE OF ALLEGIANCE**

**3. DIRECTOR ANNOUNCEMENTS/REPORTS/COMMENTS**

- Mutuels:
- Ojai Water Conservation District:
- City of Ojai:
- Casitas Municipal Water District – Lake Level
- Community Facilities District - CMWD Ojai Service Area:

## **4. GENERAL MANAGER COMMENTS**

## **5. BASIN STATUS REPORTS**

- Current Status of Basin: Input, Output and Storage

## **6. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA**

The board will receive comments from the public at this time. Other than for emergency items, no action can be taken during this period. Matters raised at this time may be briefly discussed by the board and will generally be referred to staff and/or placed on a subsequent agenda.

## **7. CONSENT ITEMS:** Directors may pull an item off of consent items for discussion and action.

- a. Approve the Minutes of March 25, 2021.

## **8. ACTION ITEMS:**

### **a. Treasurer's Report for March 2021**

Board to Review and Approve.

### **b. Nested Monitoring Well Project Update**

Board to receive project update and provide direction on next steps presented by Kear Groundwater.

### **c. Groundwater Sustainability Plan – Water Budget Update**

Board to receive update from Dudek, provide feedback and direction on the information presented.

### **d. San Antonio Creek Ranch Refund Recommendation**

Board review the updated staff analysis and authorize refund of excess fees paid.

## **9. Information Items**

- a. Form 700's – Statements for Annual Filing, Leaving Office and Assuming Office for 2020/2021.
  1. Annual Statement -filed by April 1, 2021.
  2. Leaving Office Statement -filed within 30 days of leaving office.
  3. Assuming Office – filed within 30 days after assuming office.

**10. ADJOURNMENT:** The next regular board meeting is scheduled for **May 27, 2021, 3:00pm**, by Zoom conferencing. Details for providing public comment and or observation of the meeting will be posted with the agenda 72 hours prior to the meeting.

Meeting Date: April 29, 2021  
To: Board of Directors  
From: Roberta Barbee  
Subject: Minutes of the Zoom Teleconference Board Meeting of March 25, 2021

The Regular Meeting of the Board of Directors of the Ojai Groundwater Management Agency, held as a Zoom Teleconference Meeting due to the Covid-19 virus response, called to order at 3:03 pm.

**Attendees were:** Board Members: Jim Finch, Bill Weirick, Peter Thielke, and Chair Richard Hajas; General Manager John Mundy, and Roberta Barbee, Administrative Assistant/Clerk of the Board. Also in attendance: Jordan Kear, Consultant, Peter Candy, Attorney, Betsy Stix, Trey Driscoll, Dudek Consultant, Eddie Pech, Devin Pritchard-Peters, and Charlotte Holifield, and Eric Spencer, member services from California Special Districts Association.

1. **Call to Order and Roll Call:** Chair Hajas called the meeting to order at 3:03 pm. Barbee called the roll.
2. **Pledge of Allegiance:** not performed.
3. **Director Announcements/Reports/Comments:**

**Mutuals:** Theilke had nothing to report

**Ojai Water Conservation District:** Finch had nothing to report, have not met.

**City of Ojai:** Weirick reported the County Disaster Meeting discussed work on arundo removal; Fire Department going in to Santa Clara River and Ventura River bottoms to isolate and burn the arundo. Goats were used to help mitigate on a demonstration basis.

Finch commented that goats only eat the new chutes, they won't eat anything older.

**Community Facilities District – CMWD Ojai Service Area:** Daddi is out of town.

**Casitas Municipal Water District:** Hajas had nothing to report.

4. **General Manager Comments:** None
5. **Basin Status Reports:** Kear reported on the early spring Ojai basin conditions: For water year to date approximately 5" of rain has accumulated on the valley floor where the average is 21.25" a year. These are historic conditions; with no more rain this year, valley floor rain totals would be lowest since the 4.35" of 1947. That is dryer than some of the years in the 50's, 70's, and 90's. We are still monitoring the basin at high frequency. First daylight water in the San Antonio Creek has been consistent for many months. At the major discharge point where the San Antonio Creek exits the basin boundary a transect is set monthly to quantify amount of surface water flow that leaves the basin. The depth at this pooling area is only 3", but the flow has been very consistent. The surface outflow, currently 0.60 cubic feet per second, is approximately 30 to 45 AF/month, with a total of 210 acre-feet to date for the water year 2020-2021.
6. **Public Comments On Items Not Appearing on the Agenda:** None

**7. Consent Items:**  
**a. Approve Minutes of December 4, 2020, and February 25, 2021 Zoom Teleconference Regular Meeting:**

Theilke motioned to Approve Minutes of December 4, 2020, and February 25, 2021 Zoom Teleconference Regular Meeting. Weirick seconded.

Roll call vote:

Ayes: Finch, Weirick, Theilke, and Hajas

Noes: None

**8. Action Items:**  
**a. Treasurer's Report for February 2021, and Budget and Extraction Charges by Period:** Mundy reported that OBGMA is financially doing okay, no major expenses this month. Not much activity on grant.

Finch motioned to approve Treasurer's Report. Theilke seconded.

Roll call vote:

Ayes: Finch, Weirick, Theilke, and Hajas

Noes: None

**b. Draft Ventura River Instream Flow Recommendations – CDFW:** Mundy recommended OBGMA submit a comment letter to CDFW because their draft Ventura River Instream Flow Recommendations report is too generalized and does not appear to have supporting data for their recommendations.

Weirick commented that they misrepresented sources in the report.

Hajas thought the whole report was disappointing. Casitas has asked to extend the deadline for submittal of comments beyond March 29<sup>th</sup>.

Kear sees it written without long term scientific proof and also sees it as disappointing. As scientist we want to inform the public and anchor policy setting in the reality of science.

Weirick liked comments from Kear and Mundy and motioned to approve submitting comments (subject to any objection by any Board Member) on OBGMA letterhead to the CDFW through the public comment portal.

Finch seconded noting to incorporate asking for an extension.

Roll call vote:

Ayes: Finch, Weirick, Theilke, and Hajas

Noes: None

**c. Nested Monitoring Well Project Update.** Mundy and Kear informed the Board that the Notice of Exemption was filed with the County and a 35 day public comment period is needed to pass before drilling of the well can commence. It is expected drilling will begin before the next OBGMA Board meeting on April 29.

**d. GSP update – Water Budget:** Trey Driscoll and Devin Pritchard-Peters of Dudek Consultants presented an update on the work they have completed related to looking at a water budget for the Basin in preparation of the GSP. The information presented was based on the basin model prepared by DBS&A. A storage chart was presented that reflected changes in the basin from 1971 through 2019 and indicated that most

of the storage change occurs in layer 2. The Board expressed that the information presented is not reflective of the actual wet years and the filling of the basin. Discoll mentioned that he may need to contact DBS&A to attempt to determine the discrepancies between the model and the actual basin conditions. Discoll also mentioned that Draft chapters 1 & 2 of the plan have been prepared and will be made available to the Board for review.

**e. Channel Keeper Litigation:** Candy reported that OBGMA is not part of the litigation but is monitoring its progress to understand what is occurring. He also mentioned that as long as there were no objections from OBGMA that Kear Groundwater could act as the City of Ojai non-designated representative should they request it. The Judge in the case may decide to make a field visit to understand how the watershed works. No action was taken.

**f. San Antonio Ranch Refund Request:** Finch noted there definitely is an error based on past usage history, they have never used that much before. He recommended that we bring back this item next month.

**9. Information Items:**

**a. Form 700's – Annual & Leaving Office and Assuming Office for 2020/2021 Statements:**

1. Annual statements – filed by April 1, 2021.
2. Leaving Office Statement – filed within 30 days of leaving office.
3. Assuming Office – filed within 30 days after assuming office.

**10. Adjournment:** The meeting was adjourned at 4:51 pm. The next regular scheduled meeting will be April 29, 2021 at 5:00 pm, in the Council Chambers, Ojai City Hall, 401 South Ventura Street; Ojai, CA 93023. However, it is expected the meeting will continue to be held as a Zoom Teleconferencing Meeting at 3:00 pm that day.

**OBGMA**  
Budget Actuals FYTD 20/21

	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	YTD
<b>Beginning Bank Balance</b>							
Checking	47,006.96	52,469.04	96,212.19	20,379.37	26,924.00	49,559.94	
Savings	104,956.62	134,956.62	134,956.62	164,976.02	124,976.02	124,976.02	
	<b>151,963.58</b>	<b>187,425.66</b>	<b>231,168.81</b>	<b>185,355.39</b>	<b>151,900.02</b>	<b>174,535.96</b>	
<b>Income</b>							
Returned Check Charges	-	-	-	-	-	-	-
GSP Extraction Fees	25,256.20	25,953.90	2,517.85	15,957.60	20,958.27	1,579.90	<b>92,223.72</b>
Well Head Fee	3,965.00	4,095.00	585.00	3,900.00	4,485.00	650.00	<b>17,680.00</b>
Interest Charges	-	3.75	1.25	2.50	6.25	-	<b>13.75</b>
Recordation Fee	250.00	245.00	25.00	250.00	265.00	35.00	<b>1,070.00</b>
Extraction Charges	17,490.85	17,936.79	1,763.75	11,269.53	14,587.27	1,150.00	<b>64,198.19</b>
Short Payments	(60.34)	(536.51)	(39.50)	(32.98)	(194.35)	(240.50)	<b>(1,104.18)</b>
Savings Acct Interest	-	-	19.40	-	-	16.89	<b>36.29</b>
<b>Total Income</b>	<b>46,901.71</b>	<b>47,697.93</b>	<b>4,872.75</b>	<b>31,346.65</b>	<b>40,107.44</b>	<b>3,191.29</b>	<b>174,117.77</b>
<b>Expense</b>							
Print Advertising	-	-	-	-	-	-	-
Liability Insurance	2,131.00	-	-	-	-	-	<b>2,131.00</b>
Postage and Delivery	247.97	-	17.99	110.98	17.99	117.99	<b>512.92</b>
Bank Service Charges	3.00	-	-	-	9.99	-	<b>12.99</b>
Workers Comp Ins	-	-	-	-	-	-	-
Office Supplies	150.15	-	-	-	21.61	899.99	<b>1,071.75</b>
Payroll Expenses	1,453.27	1,243.36	1,130.32	1,285.25	1,417.06	1,680.71	<b>8,209.97</b>
Professional Fees	4,957.60	1,902.13	47,752.00	3,755.50	15,043.96	4,406.25	<b>77,817.44</b>
Rent	800.00	800.00	800.00	800.00	892.00	892.00	<b>4,984.00</b>
Telecommunications	131.15	129.96	25.00	129.27	284.78	242.02	<b>942.18</b>
<b>Total Expense</b>	<b>9,874.14</b>	<b>4,075.45</b>	<b>49,725.31</b>	<b>6,081.00</b>	<b>17,687.39</b>	<b>8,238.96</b>	<b>95,682.25</b>
<b>Net Ordinary Income</b>	<b>37,027.57</b>	<b>43,622.48</b>	<b>(44,852.56)</b>	<b>25,265.65</b>	<b>22,420.05</b>	<b>(5,047.67)</b>	<b>78,435.52</b>
<b>Grant Activity</b>							
WCB Grant Income	-	-	-	-	-	-	-
WCB (WS) Expenses	-	-	-	-	-	-	-
GSP Expenses	1,130.00	-	1,260.00	58,361.75	125.00	567.00	<b>61,443.75</b>
	<b>(1,130.00)</b>	-	<b>(1,260.00)</b>	<b>(58,361.75)</b>	<b>(125.00)</b>	<b>(567.00)</b>	<b>(61,443.75)</b>
<b>Net Income</b>							<b>16,991.77</b>
<b>Other Adjustments</b>							
Deposit for Bldg Key	-	-	-	-	-	-	-
Transfer to Savings	30,000.00	-	70,000.00	-	-	-	
Transfer From Savings	-	-	40,000.00	40,000.00	-	-	
Deposit Adj from Bank	(0.50)	(82.50)	-	-	-	-	
Payroll Tax Liab Paymts	(753.15)	-	-	(627.57)	-	-	<b>(1,380.72)</b>
Payroll Liab on hold	254.16	200.27	173.14	218.80	241.61	291.79	<b>1,379.77</b>
Customer Overpayments	64.00	2.90	43.50	49.50	99.28	-	
Voided Checks	-	-	-	-	-	-	
Missing deposit item	-	-	82.50	-	-	-	
<b>Net Adjusted Net Income</b>							<b>16,990.82</b>
<b>Ending Bank Balance</b>							
Checking	52,469.04	96,212.19	20,379.37	26,924.00	49,559.94	44,220.17	
Savings	134,956.62	134,956.62	164,976.02	124,976.02	124,976.02	124,992.91	
	<b>187,425.66</b>	<b>231,168.81</b>	<b>185,355.39</b>	<b>151,900.02</b>	<b>174,535.96</b>	<b>169,213.08</b>	

**OBGMA**  
**Cash Flow**  
*March 2021*

**Beginning Balances March 1, 2021**

Bank of the Sierra-Checking	49,559.94
Bank of the Serra-Savings	124,976.02
	<b>\$ 174,535.96</b>

**Inflows**

GSP Extraction	1,579.90
Well Head Fee	650.00
Recordation Fee	35.00
Extraction Charges	1,150.00
Short Payments	(240.50)
	<b>\$ 3,174.40</b>

**Outflows**

Internet	42.80
Postage and Delivery	117.99
Office Supplies	899.99
Payroll Expenses	1,388.92
Bookkeeping	358.75
Hydrogeologist	3,885.00
Legal Fees	162.50
Rent	892.00
Telephone	199.22
GSP-Geologist/Hydrogeologist	567.00
	<b>\$ 8,514.17</b>

**Adjustments**

Interest Earned Savings Account	16.89
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**Ending Balances March 31, 2021**

Bank of the Sierra-Checking	44,220.17
Bank of the Serra-Savings	124,992.91
	<b>\$ 169,213.08</b>

**Net Change in Cash Position March 2021**

	<b>\$ (5,322.88)</b>
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**OBGMA**  
**Disbursements Register**

*March 2021*

<b>Date</b>	<b>Num</b>	<b>Name</b>	<b>Description</b>	<b>Amount</b>
03/30/2021	3279	417 Bryant Circle LLC	Rent	-800.00
03/30/2021	3280	Condor Self Storage	Storage Rent	-92.00
03/30/2021	3281	Hollister & Brace, Attorneys at La	Professional Fees: Legal	-162.50
03/30/2021	3282	Kear Groundwater	Professional Fees: Hydrogeologist	-4,452.00
03/30/2021	3283	M J Saltis Bookkeeping	Professional Fees: Bookkeeping	-358.75
03/30/2021	3284	Roberta Barbee	Phone Reimbursement	-25.00
03/31/2021	3285	Barbee, Roberta J	Payroll	-1,388.92
03/08/2021	eft	AT&T	Telephone	-174.22
03/25/2021	eft	AT&T Uverse	Internet	-42.80
03/26/2021	eft	Stamps.com	Postage and Delivery	-17.99
03/29/2021	eft	Intuit QuickBooks	Software	-500.00
03/29/2021	eft	Intuit QuickBooks	Software	-399.99
03/02/2021	eft	USPS	Postage and Delivery	-100.00

***Total March 2021 Disbursements***                      \$    **(8,514.17)**

## OBGMA EXTRACTION CHARGES BY PERIOD

### 2018/2019 Water Year

October/November/December 2018 (2019/1) <span style="float: right;">(\$25/acre foot)</span>					
2019/1	Acre Feet	Charges	Well Head	Recordation	Total Rec'd
Agriculture	500.00	\$12,800.72			
Dom/Land	63.48	\$1,688.63			
Muni/Indus	28.25	\$706.25			
CMWD	320.70	\$8,017.50			
<b>Totals</b>	<b>912.43</b>	<b>\$23,213.10</b>	<b>\$9,165.00</b>	<b>\$690.00</b>	<b>\$33,068.10</b>

January/February/March 2019 (2019/2) <span style="float: right;">(\$25/acre foot)</span>					
2019/2	Acre Feet	Charges	Well Head	Recordation	Total Rec'd
Agriculture	104.54	\$2,965.06			
Dom/Land	71.07	\$1,693.83			
Muni/Indus	10.66	\$278.75			
CMWD	236.40	\$5,910.00			
<b>Totals</b>	<b>422.67</b>	<b>\$10,847.64</b>	<b>\$10,400.00</b>	<b>\$720.00</b>	<b>\$21,967.64</b>

April/May/June 2019 (2019/3) <span style="float: right;">(\$25/acre foot)</span>					
2019/3	Acre Feet	Charges	Well Head	Recordation	Total Rec'd
Agriculture	668.57	\$16,201.23			
Dom/Land	212.60	\$3,857.05			
Muni/Indus	20.60	\$515.01			
CMWD	410.90	\$10,272.50			
<b>Totals</b>	<b>1312.67</b>	<b>\$30,845.79</b>	<b>\$9,620.00</b>	<b>\$725.00</b>	<b>\$41,190.79</b>

July/August/September 2019 (2019/4) <span style="float: right;">(\$25/acre foot)</span>					
2019/4	Acre Feet	Charges	Well Head	Recordation	Total Rec'd
Agriculture	1264.16	\$22,385.38			
Dom/Land	132.86	\$3,475.73			
Muni/Indus	39.06	\$976.67			
CMWD	524.10	\$13,102.50			
<b>Totals</b>	<b>1960.18</b>	<b>\$39,940.28</b>	<b>\$10,270.00</b>	<b>\$755.00</b>	<b>\$50,965.28</b>

Total for water YTD 10/1/18 - 9/30/19				
Acre Feet	Charges	Well Head Fee	Recordation Fee	Total Rec'd
4607.95	\$104,846.81	\$39,455.00	\$2,890.00	\$147,191.81

### 2019/2020 Water Year

October/November/December 2019 (2020/1) <span style="float: right;">(\$25/acre foot)</span>						
2020/1	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture	423.89	\$10,619.24				
Dom/Land	84.35	\$2,327.39				
Muni/Indus	23.22	\$579.92				
CMWD	378.10	\$9,450.00				
<b>Totals</b>	<b>909.56</b>	<b>\$22,976.55</b>	<b>\$9,620.00</b>	<b>\$730.00</b>	<b>\$0.00</b>	<b>\$33,326.55</b>

Jan/Feb/Mar 2020 (2/2020) <span style="float: right;">(\$25/acre foot)</span>						
2020/2	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture	418.80	\$10,537.28				
Dom/Land	84.39	\$2,176.19				
Muni/Indus	7.34	\$183.50				
CMWD	264.80	\$6,620.00				
<b>Totals</b>	<b>775.33</b>	<b>\$19,516.97</b>	<b>\$9,880.00</b>	<b>\$710.00</b>	<b>\$0.00</b>	<b>\$30,106.97</b>

April/May/June (3/2020) <span style="float: right;">(\$25/acre foot)</span>						
2020/3	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture	695.81	\$17,529.84				
Dom/Land	89.76	\$2,244.06				
Muni/Indus	15.06	\$376.59				
CMWD	337.80	\$8,445.00				
<b>Totals</b>	<b>1138.43</b>	<b>\$28,595.49</b>	<b>\$9,230.00</b>	<b>\$565.00</b>	<b>\$41,206.18</b>	<b>\$79,596.67</b>

July/August/September 2020 (2020-4) <span style="float: right;">(\$25/acre foot)</span>						
2020/4	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture	977.93	\$24,448.20				
Dom/Land	155.52	\$3,888.19				
Muni/Indus	19.00	\$476.00				
CMWD	359.00	\$8,975.00				
<b>Totals</b>	<b>1511.45</b>	<b>\$37,787.39</b>	<b>\$9,035.00</b>	<b>\$555.00</b>	<b>\$54,541.95</b>	<b>\$101,919.34</b>

Total for water YTD 10/1/19- 9/30/20					
Acre Feet	Charges	Well Head Fee	Recordation Fee	GSP Fees	Total Rec'd
4334.77	\$ 108,876.40	\$ 37,765.00	\$ 2,560.00	\$ 95,748.13	\$ 244,949.53

## OBGMA EXTRACTION CHARGES BY PERIOD

### 2020/2021 Water Year

October/November/December 2020 (2021/1)						(\$25/acre foot)
2020/1	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture	664.05	\$16,601.25				
Dom/Land	50.65	\$1,266.21				
Muni/Indus						
CMWD	339.50	\$8,487.50				
<b>Totals</b>	<b>1054.20</b>	<b>\$26,354.96</b>	<b>\$8,645.00</b>	<b>\$530.00</b>	<b>\$37,580.76</b>	<b>\$73,110.72</b>

Jan/Feb/Mar 2021 (2/2021)						(\$25/acre foot)
2020/2	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture						
Dom/Land						
Muni/Indus						
CMWD						
<b>Totals</b>	<b>0.00</b>	<b>\$0.00</b>				<b>\$0.00</b>

April/May/June (3/2021)						(\$25/acre foot)
2020/3	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture						
Dom/Land						
Muni/Indus						
CMWD						
<b>Totals</b>	<b>0.00</b>	<b>\$0.00</b>				<b>\$0.00</b>

July/August/September 2020 (2020-4)						(\$25/acre foot)
2020/4	Acre Feet	Charges	Well Head	Recordation	GSP Fees	Total Rec'd
Agriculture						
Dom/Land						
Muni/Indus						
CMWD						
<b>Totals</b>	<b>0.00</b>	<b>\$0.00</b>				<b>\$0.00</b>

Total for water YTD 10/1/20- 9/30/21						
Acre Feet	Charges	Well Head Fe	Recordation	GSP Fees	Total Rec'd	
1054.20	\$26,354.96	\$ 8,645.00	\$ 530.00	\$ 37,580.76	\$ 73,110.72	

# **OBGMA**

## *WCB Grant Budget Update March 2021*

	<u>Actual to Date</u>	<u>Budget</u>	<u>Balance</u>
<b>WCB Grant Income</b>	5,607.00	150,600.00	(144,993.00)
	<b>\$ 5,607.00</b>	<b>\$ 150,600.00</b>	<b>\$ (144,993.00)</b>
<b>WCB Grant Expenses</b>			
<b>1 Task- Project Mgmt</b>	3,238.75	5,200.00	(1,961.25)
<b>2 Task- Water Mgmt Framewk</b>	-	2,000.00	(2,000.00)
<b>3 Task- Plans/Permits/Due D</b>	8,510.00	138,400.00	(129,890.00)
<b>4 Task- Reg Agency Guidance</b>	-	-	-
<b>5 Task- Education &amp; Outreach</b>	-	5,000.00	(5,000.00)
	<b>\$ 11,748.75</b>	<b>\$ 150,600.00</b>	<b>\$ (138,851.25)</b>
<b>WCB Grant Cost Share Expenses</b>	<b>\$ 3,135.00</b>	<b>\$ 29,400.00</b>	<b>\$ (26,265.00)</b>
<b>Total Cost of Project</b>	<b>\$ 14,883.75</b>	<b>\$ 180,000.00</b>	<b>\$ (165,116.25)</b>
<b>Net Cost of Project to Date</b>	<b>\$ 9,276.75</b>		

\*\*\*Retention of \$623.00 Held by WCB on 1st Progress Invoice

\*\*\*Expenses recorded through 03/31/21

## DRAFT MEMORANDUM

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**To:** John Mundy, Ojai Basin Groundwater Management Agency  
**From:** Trey Driscoll, Trevor Jones, Devin Pritchard-Peterson, and Daniel Ritter  
**Subject:** Ojai Basin Groundwater Model Technical Questions  
**Date:** April 1, 2021  
**cc:** Jordan Kear, Kear Groundwater, Richard Hajas, Chair OBGMA  
**Attachment(s):** OBGMA\_Model\_Budget.xlsx

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As part of preparation of the Ojai Valley Basin Groundwater Sustainability Plan (GSP), Dudek received files for the Ojai Basin Groundwater Model (OBGM) from Daniel B. Stephens & Associates (DBS&A) on September 24, 2020. The USGS ZONEBUDGET code was used to extract water budget components from the output files received from DBS&A. Outputs from ZONEBUDGET were cross checked with the model list file (OBGMA.out) to ensure that ZONEBUDGET has correctly output water budget components to the output excel file. Water budget components were then converted to acre feet, summed by water year, and compiled in the Water Budget Summary table contained in the attached excel file. Results from this analysis were then compared to Table 1 in the most recent model report, *Update to Ojai Basin Groundwater Model*, which purports to provide the model mass balance for the OBGM (DBS&A 2020). When comparing the values extracted from the model output files to the values reported in Table 1, several discrepancies were noted. The purpose of this draft memorandum is to provide technical questions to be answered by DBS&A to understand the source of the discrepancies that were noticed.

### 1 Recharge

- Total average annual recharge (groundwater inflows) presented in Table 1, Model Mass Balance, of DBS&A 2020 is 8,625 AF, while the total average annual recharge calculated from the model outputs was 8,939 AF, a difference of 314 AFY. With the exception of the line item from recharge from Septic Systems, Wastewater, and the San Antonio Creek Spreading Grounds, the line items in the Groundwater Inflows portion of Table 1 all appear to come directly from the mass balance components of the watershed model. Were the groundwater inflows presented in Table 1 taken from the watershed model, or from the groundwater model?
- In addition to recharge inflows, the groundwater model contains a mass balance component for recharge outflow which is not discussed in any of the model reports and accounts for an average outflow of 364 AFY. Does DBS&A know what the recharge outflow term in the groundwater mass balance represents? Is this accounted for in the mass balance numbers presented in Table 1?

### 2 Discharge to streams

- Groundwater discharges to streams are simulated using the MODFLOW drain package. In Table 1, the average annual discharge to San Antonio Creek is 4,270 AF. Average annual discharge to San Antonio Creek extracted from the model output files are 4,786 AFY. This is approximately 516 AFY more than

the average annual discharge to San Antonio Creek reported in Table 1 of the DBSA 2020 Technical Memorandum. Did the discharge term in Table 1 come from the model output files provided to Dudek? If so, can DBS&A account for the discrepancy in the number reported in Table 1 versus the number extracted from the model output files?

### 3 Change in Groundwater in Storage

- Table 1 in DBS&A 2020 presents a groundwater net change in storage of -79 AFY (cumulative change in storage of roughly -3,900 AF over the 49 water years that the model simulates). Average annual storage change extracted from the model output files is -628 AFY (cumulative change in storage of approximately -30,800 AF over the 49 water years the model simulates). Given the significant difference in these numbers, and knowledge of historical conditions in the basin, there was significant concern expressed during the last OBGMA board meeting over the cumulative change in storage from the model output files that were provided to Dudek. Did DBS&A get their net change in groundwater in storage from the model output, or is this number calculated by some other means? If the number comes from the model output, can DBS&A explain the difference between their net change in storage and the net change in storage that comes from the model files provided to Dudek?

Answers to the questions provided above will help Dudek to better understand the groundwater model and determine the role of the groundwater model in preparing a water budget for the GSP that reflects known historical basin conditions and is in compliance with the requirements set forth by the California Department of Water Resources.

## References

Daniel B. Stephens & Associates (DBS&A). 2011. Groundwater Model Development, Ojai Basin, Ventura County, California. Prepared for Ojai Basin Groundwater Management Agency. November 2011.

Daniel B. Stephens & Associates (DBS&A). 2014. Ojai Basin Modeling Update and Drought Analysis. Ventura River Watershed Council. June 2014.

Daniel B. Stephens & Associates (DBS&A). 2020. Update to Ojai Basin Groundwater Model. Prepared for Ojai Basin Groundwater Management Agency. July 2020.

# Attachment A

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OBGMA\_Model\_Budget.xlsx

	INFLOWS		OUTFLOWS					INFLOWS MINUS OUTFLOWS
	Recharge	Mountain front recharge (Wells Package)	Pumping	ET	Discharge to creeks (Drain Package)	Basin Outflow	Recharge out	
1971	6601	2813	3436	291	4298	91	106	1192
1972	4200	2035	3558	280	3042	91	42	-780
1973	11950	4586	3482	313	9752	95	821	2074
1974	6162	2431	3492	306	5726	95	149	-1175
1975	6549	2640	3565	306	5460	95	148	-385
1976	2225	1089	3640	275	2184	91	13	-2888
1977	2497	1206	3648	250	1472	87	6	-1762
1978	20186	7608	3576	329	17422	96	2825	3545
1979	7322	2936	3657	316	8123	96	328	-2263
1980	12999	5060	3879	327	13328	98	1289	-861
1981	3568	1670	3932	291	3742	93	51	-2871
1982	2714	1166	3795	271	2075	90	12	-2363
1983	14924	5599	3760	327	12210	96	1262	2868
1984	2483	1088	3930	284	3234	93	29	-3999
1985	2756	1245	3960	260	1751	89	9	-2068
1986	7983	2683	3414	281	4741	90	119	2021
1987	1059	57	3459	247	1326	87	7	-4010
1988	3020	727	3571	208	1265	83	3	-1383
1989	2466	723	3516	162	1005	81	1	-1576
1990	1892	520	3768	122	835	76	0	-2390
1991	7317	2696	3805	149	3055	79	3	2923
1992	10335	3573	4460	235	5237	86	380	3510
1993	17848	6284	4678	322	14739	96	2232	2066
1994	2061	487	4575	274	2585	91	17	-4994
1995	17006	5724	4618	317	13949	95	1940	1810
1996	3644	1163	4699	285	3141	92	43	-3454
1997	8569	2986	4951	303	5417	94	191	598
1998	18482	6348	3948	345	17133	99	2172	1134
1999	1036	63	4598	271	2521	90	18	-6399
2000	5587	2087	4490	250	2754	88	31	61
2001	10769	3670	4375	291	7219	92	573	1889
2002	1375	148	4530	254	1685	88	11	-5045
2003	4483	1257	4181	237	1594	86	5	-362
2004	3165	849	4317	193	1146	83	2	-1727

2005	19212	6628	3906	323	13255	95	1603	6658
2006	7138	2326	3932	311	5610	95	139	-622
2007	914	59	5146	253	1860	88	14	-6388
2008	8461	2880	4861	256	4419	88	154	1564
2009	2677	777	4743	224	1350	86	3	-2952
2010	7647	2382	4273	259	3173	88	97	2139
2011	10257	3413	4704	311	6182	94	277	2103
2012	1418	117	5317	242	1465	87	8	-5584
2013	1356	132	5002	153	883	78	1	-4630
2014	2566	1015	5376	94	685	71	0	-2646
2015	1430	285	3683	68	473	67	0	-2577
2016	1115	276	3020	49	362	64	0	-2105
2017	10254	3580	2875	106	3578	71	194	7010
2018	2297	921	4311	89	646	72	0	-1901
2019	11828	4213	3645	164	5419	80	530	6204
<b>WATER YEAR AVERAGE</b>	<b>6608</b>	<b>2331</b>	<b>4083</b>	<b>246</b>	<b>4786</b>	<b>88</b>	<b>364</b>	<b>-628</b>

**SUM OF  
INFLOWS**

**8939**

**SUM OF  
OUTFLOWS**

**TOTAL CHANGE  
9568 IN STORAGE**

**-30789**

**San Antonio Creek Ranch Payments 2018-2021 - Refund Request - State Well No. 04N22W06GO4S**

*(Agenda Item 8d - 4/29/21)*

Meter Readings							
Ending (7)	Beginning	AF w/ Correct Multiplier .0001	AF with Incorrect Multiplier .001	Quarter	Amount Due (1,2,3,4,5)	Amount Paid	Amount Over/Under Paid
128095	51923	7.62	76.17	2021-2	\$ 542.27	\$0.00	(\$542.27)
51923	906242	14.57	145.68	2021-1	\$973.22	\$0.00	(\$973.22)
906242	808663	9.76	97.58	2020-4	\$674.99	\$6,115.00	\$5,440.01
808663	779230	2.94	29.43	2020-3	\$252.48	\$1,892.80	\$1,640.32
779230	765690	1.35	13.54	2020-2	\$103.85	\$407.50	\$303.65
765690	745683	2.00	20.01	2020-1	\$120.02	\$570.00	\$449.98
745683	593867	15.18	151.82	2019-4	\$449.54	\$445.00	(\$4.54)
593867	534878	5.90	58.99	2019-3	\$217.47	\$1,545.00	\$1,327.53
534878	533044	0.17	1.74	2019-2	\$82.50	\$112.50	\$30.00
533044	454263	7.88	78.78	2019-1	\$266.95	\$2,020.00	\$1,753.05
454263	385164	6.91	69.10	2018-4	\$242.75	\$1,795.00	\$1,552.25
385164	305166	8.00	80.00	2018-3	\$270.00	\$2,067.50	\$1,797.51
305166	305166	0.00	0.00	2018-2	\$82.50	\$82.50	\$0.00
305166	305166	0.00	0.00	2018-1	\$82.50	\$82.50	\$0.00
				<b>Total</b>	\$ 4,361.03	\$17,135.30	\$12,774.27
Updated 4/25/21 by OBGMA Staff 3/22/21 - Barbee/Mundy							

- Notes:
1. Amount due includes extractions in AcreFeet x \$25 +5.00 + \$65.00
  2. \$5.00 = Recordation Fee
  3. \$65.00 = Wellhead Fee
  4. Min Extraction Charge of \$12.50 included with 2018-1, 2018-2 & 2019-2 Statements
  5. Amount due calculations for Q 2020-3, 2020-4 & 2021-1 include \$37/Acft GSP Fee.
  6. Analysis provided at 3/25/210 meeting improperly included a second well. This analysis deleted that information. This results in a reduced refund recommendation of \$13,316.53.
  7. Meter Reading for Q 2021-1 reflects the meter turning over.