

Bowers & Saha Aquaculture, LLC - Boca Chica Farm Monthly Production and Aquifer Monitoring Report

Report Period: October 2025
 Start of Rolling Evaluation Period: October 2024
 Permit Year: 2025

Evaluation of Cumulative Groundwater Production in Permit Year

Cumulative Produced Groundwater - Year to Date (Ac-Ft):	Aggregate Volume of Groundwater Production Authorized for All Wells (Ac-Ft):	Aggregate Volume of Groundwater Production Authorized for Wells Producing from the Lower Fresh Zone (Ac-Ft):	Is the cumulative groundwater production (PGW-YTD-AF) for the well field less than the aggregate volume of groundwater production <u>authorized</u> by the District under production permits associated with water wells within the well field?	Is the cumulative groundwater production (PGW-YTD-AF) from wells producing from the Lower Fresh Zone less than the aggregate volume of groundwater production <u>authorized</u> by the District for wells producing from the Lower Fresh Zone?
1,398	5,884	5,296	YES	YES

Aquifer Monitoring Performance Criteria

Aquifer Monitoring Site	Groundwater Zone	DAMW - Designated Aquifer Monitoring Well	Maximum Water Level Change from Initial Condition during Reporting Period (ft)	Maximum Allowable Conductivity Condition during reporting period (µS/cm)
West	Lower Fresh (FMW-1)	West - Lower Fresh (FMW-1)	-50.00	3,000
Center	Lower Fresh (FMW-2)	Center - Lower Fresh (FMW-2)	-50.00	3,000
East	Lower Fresh (FMW-3)	East - Lower Fresh (FMW-3)	-50.00	3,000
West	Upper Brackish (BMW-1)	West - Upper Brackish (BMW-1)	-20.00	33,000
Center	Upper Brackish (BMW-2)	Center - Upper Brackish (BMW-2)	-20.00	33,000
East	Upper Brackish (BMW-3)	East - Upper Brackish (BMW-3)	-20.00	33,000

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Intial Aquifer Monitoring Conditions

Aquifer Monitoring Site	Groundwater Zone	DAMW - Designated Aquifer Monitoring Well	AVG-WL: Average Water Level (FtBS)	AVG-COND: Average Conductivity (µS/cm)
West	Lower Fresh (FMW-1)	West - Lower Fresh (FMW-1)	42.70	769
Center	Lower Fresh (FMW-2)	Center - Lower Fresh (FMW-2)	45.90	727
East	Lower Fresh (FMW-3)	East - Lower Fresh (FMW-3)	48.30	1,898
West	Upper Brackish (BMW-1)	West - Upper Brackish (BMW-1)	14.10	24,056
Center	Upper Brackish (BMW-2)	Center - Upper Brackish (BMW-2)	15.60	9,310
East	Upper Brackish (BMW-3)	East - Upper Brackish (BMW-3)	15.00	10,261

Performance Evaluation of Water Levels during Reporting Period

Aquifer Monitoring Site	Groundwater Zone	DAMW - Designated Aquifer Monitoring Well	AVG-WL: Reporting Period Water Level Condition (FtBS)	AVG-WL-DIFF: Change from Initial Water Level Condition and Rolling Evaluation Period Water Level Condition (ft)	Is the criteria for maximum water level change during the reporting period satisfied?
West	Lower Fresh (FMW-1)	West - Lower Fresh (FMW-1)	60.66	-17.96	YES
Center	Lower Fresh (FMW-2)	Center - Lower Fresh (FMW-2)	66.69	-20.79	YES
East	Lower Fresh (FMW-3)	East - Lower Fresh (FMW-3)	71.36	-23.06	YES
West	Upper Brackish (BMW-1)	West - Upper Brackish (BMW-1)	16.95	-2.85	YES
Center	Upper Brackish (BMW-2)	Center - Upper Brackish (BMW-2)	16.95	-1.35	YES
East	Upper Brackish (BMW-3)	East - Upper Brackish (BMW-3)	16.87	-1.87	YES

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Performance Evaluation of Water Conductivity during Reporting Period

Aquifer Monitoring Site	Groundwater Zone	DAMW - Designated Aquifer Monitoring Well	AVG-COND: Rolling Evaluation Period Conductivity Condition (μS/cm)	AVG-COND-DIFF: Change from Initial Conductivity Condition and Rolling Evaluation Period Conductivity Condition (μS/cm)	Is the criteria for maximum allowable conductivity during the reporting period satisfied?
West	Lower Fresh (FMW-1)	West - Lower Fresh (FMW-1)	761	9	YES
Center	Lower Fresh (FMW-2)	Center - Lower Fresh (FMW-2)	648	79	YES
East	Lower Fresh (FMW-3)	East - Lower Fresh (FMW-3)	1,378	520	YES
West	Upper Brackish (BMW-1)	West - Upper Brackish (BMW-1)	20,255	3,801	YES
Center	Upper Brackish (BMW-2)	Center - Upper Brackish (BMW-2)	11,341	(2,031)	YES
East	Upper Brackish (BMW-3)	East - Upper Brackish (BMW-3)	10,704	(444)	YES

I certify that this report was prepared under my direction or supervision; the information submitted is, to the best of my knowledge and belief, true, accurate and complete. Further, I certify that I am the well owner or I am authorized to act as the agent of the well owner.

Signature: _____

Date: _____

Printed Name: _____

Produced Groundwater (Gallons) - Lower Fresh Zone

Report Period	PGW - IW-1	PGW - IW-2	PGW - IW-3	Total
01-2025	18,696,679	25,739,622	21,364,747	65,801,048
02-2025	6,099,931	32,836,657	31,480,465	70,417,053
03-2025	0	6,557,426	6,479,221	13,036,647
04-2025	0	9,933,568	7,773,176	17,706,744
05-2025	0	26,068	111,767	137,835
06-2025	0	12,317,820	11,801,346	24,119,166
07-2025	326	6,914,884	15,892,405	22,807,615
08-2025	11,406,740	11,775,603	28,006,893	51,189,236
09-2025	0	14,223,722	3,284,904	17,508,626
10-2025	0	48,237,353	36,589,157	84,826,510
11-2025				0
12-2025				0
Reporting Period Total (Gallons):	36,203,676	168,562,723	162,784,081	367,550,480
Reporting Period Total (Acre-Feet):	111	517	500	1,128

Produced Groundwater (Gallons) - Upper Brackish Zone

Report Period	PGW - BW-1	PGW - BW-2	PGW - BW-3	PGW - BW-4	Total
01-2025	1,349,903	0	1,126,084	848,250	3,324,237
02-2025	432,701	0	755,188	0	1,187,889
03-2025	583,540	0	692,981	0	1,276,521
04-2025	87,007	0	1,149,846	0	1,236,853
05-2025	771,876	0	949,560	0	1,721,436
06-2025	1,359	0	93	0	1,452
07-2025	415,569	0	17	0	415,586
08-2025	1,243,605	0	54,929	0	1,298,534
09-2025	525,407	0	56,265	0	581,672
10-2025	26,517	0	96,105	681,318	803,940
11-2025					0
12-2025					0
Reporting Period Total (Gallons):	5,437,484	0	4,881,068	1,529,568	11,848,120
Reporting Period Total (Acre-Feet):	17	0	15	5	36

Produced Groundwater (Gallons) - Upper Brackish Zone

Report Period	PGW - BW-5	PGW - BW-6	PGW - BW-7	PGW - BW-8	Total
01-2025	936,659	1,907,374	1,568,152	2,590,746	7,002,931
02-2025	841,779	678,502	497,740	824,809	2,842,830
03-2025	675,546	116,121	265,268	641,819	1,698,754
04-2025	588,471	0	119,110	200,692	908,273
05-2025	1,945,568	1,125,109	2,378	1,991,109	5,064,164
06-2025	6,965	0	0	191	7,156
07-2025	1,302	0	0	130	1,432
08-2025	0	0	823,852	1,337,607	2,161,459
09-2025	1,816,429	0	230,883	504,093	2,551,405
10-2025	3,076,533	0	1,390,727	3,026,780	7,494,040
11-2025					0
12-2025					0
Reporting Period Total (Gallons):	9,889,252	3,827,106	4,898,110	11,117,976	29,732,444
Reporting Period Total (Acre-Feet):	30	12	15	34	91

Produced Groundwater (Gallons) - Upper Brackish Zone

Report Period	PGW - BW-9	PGW - BW-10	PGW - BW-11	PGW - BW-12	Total
01-2025	887,685	786,895	2,159,362	3,802,355	7,636,297
02-2025	0	1	691,550	2,376,757	3,068,308
03-2025	0	1,638	409,757	61,260	472,655
04-2025	0	0	171,193	978,205	1,149,398
05-2025	2,796	0	1,610,713	3,123,934	4,737,443
06-2025	0	0	0	0	0
07-2025	0	240	0	0	240
08-2025	0	0	0	2,689,248	2,689,248
09-2025	0	0	243,875	40,080	283,955
10-2025	297,809	56,764	750,303	0	1,104,876
11-2025					0
12-2025					0
Reporting Period Total (Gallons):	1,188,290	845,538	6,036,753	13,071,839	21,142,420
Reporting Period Total (Acre-Feet):	4	3	19	40	65

Produced Groundwater (Gallons) - Upper Brackish Zone

Report Period	PGW - BW-13	PGW - BW-14	PGW - BW-15	PGW - BW-16	Total
01-2025	0	0	3,399,278	4,544,970	7,944,248
02-2025	0	73,968	2,160,066	2,512,637	4,746,671
03-2025	0	0	0	0	0
04-2025	0	1,955	718,176	978,531	1,698,662
05-2025	0	0	3,000,436	4,238,018	7,238,454
06-2025	0	0	0	0	0
07-2025	0	0	0	0	0
08-2025	0	326	0	3,595,114	3,595,440
09-2025	0	0	0	54,091	54,091
10-2025	0	652	0	0	652
11-2025					0
12-2025					0
Reporting Period Total (Gallons):	0	76,901	9,277,956	15,923,361	25,278,218
Reporting Period Total (Acre-Feet):	0	0	28	49	78

Produced Groundwater (Gallons) - Upper Brackish Zone

Report Period	PGW - BW-17	PGW - BW-18	Total
01-2025	0	0	0
02-2025	0	0	0
03-2025	0	0	0
04-2025	0	0	0
05-2025	0	0	0
06-2025	0	0	0
07-2025	0	0	0
08-2025	0	0	0
09-2025	0	0	0
10-2025	0	0	0
11-2025			0
12-2025			0
Reporting Period Total (Gallons):	0	0	0
Reporting Period Total (Acre-Feet):	0	0	0

Reporting Period UB Grand Total (Gallons): 88,001,202
Reporting Period UB Grand Total (Acre-Feet): 270
Reporting Period Cummulative Total (Acre-Feet): 1,398

Average Water Level (FtBS) - Lower Fresh Zone

Report Period	AVG-WL - FMW-1	AVG-WL - FMW-2	AVG-WL - FMW-3	AVG-WL - Average
11-2024	65.0	69.3	77.8	70.7
12-2024	63.0	65.7	69.7	66.1
01-2025	62.5	66.4	68.9	65.9
02-2025	64.4	75.6	81.4	73.8
03-2025	59.1	61.6	68.0	62.9
04-2025	54.2	58.8	64.9	59.3
05-2025	52.9	61.5	57.7	57.3
06-2025	53.1	55.2	56.4	54.9
07-2025	56.2	61.2	64.2	60.5
08-2025	63.1	67.1	73.8	68.0
09-2025	64.6	74.3	79.4	72.8
10-2025	69.9	83.7	94.1	
REP Average:	60.7	66.7	71.4	

Average Water Level (FtBS) - Upper Brackish Zone

Report Period	AVG-WL - BMW-1	AVG-WL - BMW-2	AVG-WL - BMW-3	AVG-WL - Average
11-2024	18.3	19.8	19.2	19.1
12-2024	17.9	18.6	17.8	18.1
01-2025	20.9	17.8	17.9	18.9
02-2025	17.2	17.8	17.5	17.5
03-2025	16.8	15.8	15.9	16.1
04-2025	14.5	16.1	16.7	15.7
05-2025	17.0	17.1	17.0	17.0
06-2025	15.1	15.6	17.8	16.2
07-2025	14.3	16.0	15.0	15.1
08-2025	17.9	16.3	16.5	16.9
09-2025	14.3	16.7	15.8	15.6
10-2025	19.4	15.8	15.5	
REP Average:	17.0	16.9	16.9	

Average Conductivity (µS/cm) - Lower Fresh Zone

Period	AVG-COND - FMW-1	AVG-COND - FMW-2	AVG-COND - FMW-3	AVG-COND - Average
11-2024	762	667	1,481	970
12-2024	763	659	1,977	1,133
01-2025	763	651	1,644	1,019
02-2025	763	643	1,201	869
03-2025	763	637	1,231	877
04-2025	764	621	1,212	866
05-2025	729	610	1,326	888
06-2025	764	607	1,438	936
07-2025	764	663	1,225	884
08-2025	764	675	1,244	894
09-2025	764	671	1,303	913
10-2025	764	667	1,249	893
REP Average:	761	648	1,378	

Average Conductivity (µS/cm) - Upper Brackish Zone

AVG-COND - Period	AVG-COND - BMW-1	AVG-COND - BMW-2	AVG-COND - BMW-3	AVG-COND - Average
11-2024	20637	12394	10168	14400
12-2024	20571	12131	10725	14476
01-2025	20564	12344	10365	14424
02-2025	20434	12343	10638	14472
03-2025	20412	11481	10869	14254
04-2025	20294	11545	11258	14366
05-2025	19608	11116	11100	13941
06-2025	20199	11490	10639	14109
07-2025	20062	10441	10842	13782
08-2025	20086	10139	10555	13593
09-2025	20062	11153	10842	14019
10-2025	20129	9518	10450	
REP Average:	20255	11341	10704	