

**Hay Ranch Project  
Groundwater Pumping To Date  
October 2024**

Hay Ranch South and North Well Groundwater Extraction Amounts			
Time period	Groundwater Production Well	Groundwater Extracted (Gallons) (Acre Feet)	
Date: 12/25/09 to 10/17/24	Hay Ranch South Well Project Totals:	2,145,693,695	6,585
Date: 9/24/24 to 10/17/24	Hay Ranch South Well Recent Period:	150,463	0.5
Date: 12/25/09 to 10/17/24	Hay Ranch North Well Project Totals:	3,835,160,302	11,770
Date: 9/24/24 to 10/17/24	Hay Ranch North Well Recent Period:	6,494,536	19.9

Total Groundwater Extraction Amounts at Hay Ranch Property (Combined Totals of Hay Ranch South and North Wells)								
Date Numeric	Date Measured	Total Days Elapsed	Total Gallons Pumped Since 12/25/2009	Total Acre Feet Pumped Since 12/25/2009	Days in Period	Total Gallons Pumped for period	Acre Feet Pumped for period	Average Daily Acre Feet Pumped for period
40172	12/25/09	0	11	0	0	0	0	0
40196	1/18/10	24.5	24,009,000	73.7	24	5,908,000	18.1	2.6
40254	3/17/10	82.5	120,024,000	368.3	58	5,786,000	17.8	8.9
40312	5/14/10	140.5	248,524,000	762.7	58	57,698,000	177.1	5.7
40380	7/21/10	208.5	384,977,000	1181.5	68	59,458,000	182.5	5.5
40436	9/15/10	264.5	569,767,000	1748.6	56	108,283,000	332.3	11.9
40499	11/17/10	327.5	843,610,000	2588.9	63	123,692,000	379.6	13.6
40535	12/23/10	363.5	969,708,000	2975.9	36	27,212,000	83.5	10.4
40557	1/14/11	385.5	1,051,742,000	3227.7	22.0	82,034,000	251.8	11.4
40618	3/16/11	446	1,297,555,396	3982.1	61.0	245,813,396	754.4	12.4
40679	5/16/11	507	1,480,298,532	4542.9	61.0	182,743,136	560.8	9.2
40744	7/20/11	572	1,718,358,135	5273.4	65.0	238,059,603	730.6	11.2
40808	9/22/11	636	1,913,288,042	5871.7	74.0	194,929,907	598.2	8.1
40863	11/16/11	691	2,107,009,325	6466.2	55.0	193,721,283	594.5	10.8
40909	1/1/12	737	2,244,015,454	6886.6	46.0	137,006,129	420.5	9.1
40926	1/18/12	754	2,294,961,279	7043.0	17.0	50,945,825	156.3	9.2
40954	2/15/12	782	2,379,615,567	7302.8	28.0	84,654,288	259.8	9.3
40982	3/14/12	810	2,464,852,032	7564.4	28.0	85,236,465	261.6	9.3
41017	4/18/12	845	2,568,756,136	7883.2	35.0	103,904,104	318.9	9.1
41047	5/18/12	875	2,648,936,175	8129.3	30.0	80,180,039	246.1	8.2
41073	6/13/12	901	2,711,863,226	8322.4	26.0	62,927,051	193.1	7.4
41101	7/11/12	929	2,777,902,728	8525.1	28.0	66,039,502	202.7	7.2
41136	8/15/12	964	2,863,864,296	8788.9	35.0	85,961,568	263.8	7.5
41172	9/20/12	1000	2,949,088,794	9050.4	36.0	85,224,498	261.5	7.3
41199	10/17/12	1027	3,021,454,950	9272.5	27.0	72,366,156	222.1	8.2
41227	11/14/12	1055	3,096,463,909	9502.7	28.0	75,008,959	230.2	8.2
41255	12/12/12	1083	3,172,187,028	9735.1	28.0	75,723,119	232.4	8.3
41290	1/16/13	1118	3,265,225,259	10020.6	35.0	93,038,231	285.5	8.2
41318	2/13/13	1146	3,342,527,748	10257.8	28.0	77,302,489	237.2	8.5
41346	3/13/13	1174	3,421,705,247	10500.8	28.0	79,177,499	243.0	8.7
41381	4/17/13	1209	3,517,213,337	10793.9	35.0	95,508,090	293.1	8.4
41409	5/15/13	1237	3,594,345,906	11030.6	28.0	77,132,569	236.7	8.5
41437	6/12/13	1265	3,672,013,949	11269.0	28.0	77,668,043	238.4	8.5
41472	7/17/13	1300	3,768,453,448	11565.0	35.0	96,439,499	296.0	8.5
41507	8/21/13	1335	3,864,718,242	11860.4	35.0	96,264,794	295.4	8.4
41535	9/18/13	1363	3,935,703,228	12078.2	28.0	70,984,986	217.8	7.8
41570	10/23/13	1398	4,014,592,733	12320.3	35.0	78,889,505	242.1	6.9
41598	11/20/13	1426	4,066,039,225	12478.2	28.0	51,446,492	157.9	5.6
41626	12/18/13	1454	4,106,672,296	12602.9	28.0	40,633,071	124.7	4.5
41663	1/24/14	1491	4,160,236,831	12767.3	37.0	53,564,535	164.4	4.4
41690	2/20/14	1518	4,199,109,084	12886.6	27.0	38,872,253	119.3	4.4
41717	3/19/14	1545	4,238,188,704	13006.5	27.0	39,079,620	119.9	4.4
41751	4/22/14	1579	4,287,133,798	13156.7	34.0	48,945,094	150.2	4.4
41780	5/21/14	1608	4,328,804,442	13284.6	29.0	41,670,644	127.9	4.4
41815	6/25/14	1643	4,379,288,623	13439.5	35.0	50,484,181	154.9	4.4
41843	7/23/14	1671	4,417,985,081	13558.3	28.0	38,696,458	118.8	4.2
41871	8/20/14	1699	4,458,949,864	13684.0	28.0	40,964,783	125.7	4.5
41899	9/17/14	1727	4,498,802,460	13806.3	28.0	39,852,596	122.3	4.4
41927	10/15/14	1755	4,539,112,035	13930.0	28.0	40,309,575	123.7	4.4
41955	11/12/14	1783	4,579,290,075	14053.3	28.0	40,178,040	123.3	4.4
41990	12/17/14	1818	4,629,762,924	14208.2	35.0	50,472,849	154.9	4.4
42025	1/21/15	1853	4,680,088,713	14362.7	35.0	50,325,789	154.4	4.4
42058	2/23/15	1886	4,727,695,937	14508.8	33.0	47,607,224	146.1	4.4
42081	3/18/15	1909	4,760,930,221	14610.8	23.0	33,234,284	102.0	4.4
42116	4/22/15	1944	4,811,310,841	14765.4	35.0	50,380,620	154.6	4.4
42144	5/20/15	1972	4,851,693,297	14889.3	28.0	40,382,456	123.9	4.4
42172	6/17/15	2000	4,892,229,845	15013.7	28.0	40,536,548	124.4	4.4
42194	7/9/15	2022	4,924,156,920	15111.7	22.0	31,927,075	98.0	4.5
42235	8/19/15	2063	4,983,281,487	15293.1	41.0	59,124,567	181.4	4.4
42263	9/16/15	2091	5,023,729,536	15417.3	28.0	40,448,049	124.1	4.4
42291	10/14/15	2119	5,063,572,723	15539.5	28.0	39,843,187	122.3	4.4
42326	11/18/15	2154	5,114,095,632	15694.6	35.0	50,522,909	155.0	4.4
42354	12/16/15	2182	5,154,295,108	15818.0	28.0	40,199,476	123.4	4.4
42382	1/13/16	2210	5,194,797,997	15942.2	28.0	40,502,889	124.3	4.4
42417	2/17/16	2245	5,244,454,914	16094.6	35.0	49,656,917	152.4	4.4
42445	3/16/16	2273	5,284,850,093	16218.6	28.0	40,395,179	124.0	4.4
42473	4/13/16	2301	5,325,136,484	16342.2	28.0	40,286,391	123.6	4.4
42501	5/11/16	2329	5,362,299,478	16456.3	28.0	37,162,994	114.0	4.1
42536	6/15/16	2364	5,364,510,242	16463.1	35.0	2,210,764	6.8	0.2
42571	7/20/16	2399	5,372,143,529	16486.5	35.0	7,633,287	23.4	0.7
42599	8/17/16	2427	5,377,181,550	16502.0	28.0	5,038,021	15.5	0.6
42634	9/21/16	2462	5,377,693,220	16503.6	35.0	511,670	1.6	0.0
42655	10/12/16	2483	5,377,705,716	16503.6	21.0	12,496	0.0	0.0
42690	11/16/16	2518	5,377,736,985	16503.7	35.0	31,269	0.1	0.0
42724	12/20/16	2552	5,377,918,844	16504.2	34.0	181,859	0.6	0.0
42753	1/18/17	2581	5,377,955,932	16504.3	29.0	37,088	0.1	0.0
42781	2/15/17	2609	5,378,018,362	16504.5	28.0	62,430	0.2	0.0
42809	3/15/17	2637	5,378,031,670	16504.6	28.0	13,308	0.0	0.0
42843	4/18/17	2671	5,378,105,877	16504.8	34.0	74,207	0.2	0.0
42872	5/17/17	2700	5,379,714,803	16509.7	29.0	1,608,926	4.9	0.2
42900	6/14/17	2728	5,381,019,294	16513.7	28.0	1,304,491	4.0	0.1
42928	7/12/17	2756	5,389,555,398	16539.9	28.0	8,536,104	26.2	2.0
42963	8/16/17	2791	5,407,934,741	16596.3	35.0	18,379,343	56.4	1.6
42991	9/13/17	2819	5,442,906,542	16703.7	28.0	34,971,801	107.4	3.8
43026	10/18/17	2854	5,493,383,152	16858.6	35.0	50,476,610	154.9	5.5
43054	11/15/17	2882	5,533,664,042	16982.2	28.0	40,280,890	123.6	4.4
43082	12/13/17	2910	5,573,203,184	17103.5	28.0	39,539,142	121.3	4.3
43129	1/29/18	2957	5,612,674,521	17224.7	47.0	39,471,337	121.2	2.6

## Hay Ranch Project Groundwater Pumping To Date October 2024

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Total Groundwater Extraction Amounts at Hay Ranch Property (Combined Totals of Hay Ranch South and North Wells)								
Date Numeric	Date Short	Total Days Elapsed	Total Gallons Pumped Since 12/25/2009	Total Acre Feet Pumped Since 12/25/2009	Days in Period	Total Gallons Pumped for period	Acre Feet Pumped for period	Average Daily Acre Feet Pumped for period
43152	2/21/18	2980	5,632,954,526	17286.9	23.0	20,280,005	62.2	2.7
43173	3/14/18	3001	5,645,925,682	17326.7	21.0	12,971,156	39.8	1.9
43208	4/18/18	3036	5,666,636,963	17390.3	35.0	20,711,281	63.6	1.8
43236	5/16/18	3064	5,687,045,493	17452.9	28.0	20,408,530	62.6	2.2
43264	6/13/18	3092	5,707,506,881	17515.7	28.0	20,461,388	62.8	2.2
43299	7/18/18	3127	5,732,985,091	17593.9	35.0	25,478,210	78.2	2.2
43334	8/22/18	3162	5,758,443,335	17672.0	35.0	25,458,244	78.1	2.2
43355	9/12/18	3183	5,773,686,659	17718.8	21.0	15,243,324	46.8	2.2
43390	10/17/18	3218	5,794,214,017	17781.8	35.0	20,527,358	63.0	1.8
43418	11/14/18	3246	5,798,665,189	17795.5	28.0	4,451,172	13.7	0.5
43453	12/19/18	3281	5,798,722,396	17795.6	35.0	57,207	0.2	0.0
43481	1/16/19	3309	5,798,730,233	17795.6	28.0	7,837	0.0	0.0
43516	2/20/19	3344	NM (1)	NM	NM	NM	NM	NM
43537	3/13/19	3365	NM (1)	NM	NM	NM	NM	NM
43565	4/10/19	3393	5,800,185,334	17800.1	84.0	1,455,101	4.5	0.1
43593	5/8/19	3421	5,801,221,005	17803.3	28.0	1,035,671	3.2	0.1
43635	6/19/19	3463	5,802,421,947	17807.0	42.0	1,200,942	3.7	0.1
43663	7/17/19	3491	5,803,987,468	17811.8	28.0	1,565,521	4.8	0.2
43698	8/21/19	3526	5,806,391,826	17819.2	35.0	2,404,358	7.4	0.2
43726	9/18/19	3554	5,806,394,411	17819.2	28.0	2,585	0.0	0.0
43760	10/22/19	3588	5,807,085,482	17821.3	34.0	691,071	2.1	0.1
43781	11/12/19	3609	5,808,359,445	17825.2	21.0	1,273,963	3.9	0.2
43817	12/18/19	3645	5,808,372,140	17825.2	36.0	12,695	0.0	0.0
43845	1/15/20	3673	5,808,396,083	17825.3	28.0	23,943	0.1	0.0
43880	2/19/20	3708	5,808,427,201	17825.4	35.0	31,118	0.1	0.0
43908	3/18/20	3736	5,809,004,472	17827.2	28.0	577,271	1.8	0.1
43943	4/22/20	3771	5,809,012,579	17827.2	35.0	8,107	0.0	0.0
43971	5/20/20	3799	5,810,589,080	17832.0	28.0	1,576,501	4.8	0.2
43999	6/17/20	3827	5,811,193,663	17833.9	28.0	604,583	1.9	0.1
44035	7/23/20	3863	5,813,312,565	17840.4	36.0	2,118,902	6.5	0.2
44062	8/19/20	3890	5,817,786,162	17854.1	27.0	4,473,597	13.7	0.5
44090	9/16/20	3918	5,833,067,815	17901.0	28.0	15,281,653	46.9	1.7
44118	10/14/20	3946	5,837,378,164	17914.3	28.0	4,310,349	13.3	0.5
44153	11/18/20	3981	5,838,290,430	17917.1	35.0	912,266	2.8	0.1
44174	12/9/20	4002	5,838,407,578	17917.4	21.0	117,148	0.3	0.0
44209	1/13/21	4037	5,838,408,085	17917.4	35.0	507	0.0	0.0
44244	2/17/21	4072	5,838,412,623	17917.4	35.0	4,538	0.0	0.0
44272	3/17/21	4100	5,838,428,781	17917.5	28.0	16,158	0.0	0.0
44307	4/21/21	4135	5,840,417,579	17923.6	35.0	1,988,798	6.1	0.2
44328	5/12/21	4156	5,840,776,546	17924.7	21.0	358,967	1.1	0.1
44363	6/16/21	4191	5,842,434,172	17929.8	35.0	1,657,626	5.1	0.1
44393	7/16/21	4221	5,854,730,952	17967.5	30.0	12,296,780	37.7	1.3
44426	8/18/21	4254	5,861,557,641	17988.5	33.0	6,826,689	21.0	0.6
44454	9/15/21	4282	5,865,294,060	17999.9	28.0	3,736,419	11.5	0.4
44482	10/13/21	4310	5,867,138,511	18005.6	28.0	1,844,451	5.7	0.2
44517	11/17/21	4345	5,867,145,182	18005.6	35.0	6,671	0.0	0.0
44545	12/15/21	4373	5,867,188,285	18005.7	28.0	43,103	0.1	0.0
44573	1/12/22	4401	5,867,188,288	18005.7	28.0	3	0.0	0.0
44608	2/16/22	4436	5,867,188,577	18005.7	35.0	289	0.0	0.0
44637	3/17/22	4465	5,867,190,361	18005.7	29.0	1,784	0.0	0.0
44665	4/14/22	4493	5,867,238,334	18005.9	28.0	47,973	0.1	0.0
44692	5/11/22	4520	5,867,278,320	18006.0	27.0	39,986	0.1	0.0
44714	6/2/22	4542	5,874,001,717	18026.6	22.0	6,723,397	20.6	0.9
44756	7/14/22	4584	5,885,757,285	18062.7	42.0	11,755,568	36.1	0.9
44783	8/10/22	4611	5,889,721,944	18074.9	27.0	3,964,659	12.2	0.5
44818	9/14/22	4646	5,898,065,199	18100.5	35.0	8,343,255	25.6	0.7
44854	10/20/22	4682	5,901,504,293	18111.1	36.0	3,439,094	10.6	0.3
44874	11/9/22	4702	5,901,889,730	18112.2	20.0	385,437	1.2	0.1
44910	12/15/22	4738	5,901,890,183	18112.2	36.0	453	0.0	0.0
44945	1/19/23	4773	5,901,894,706	18112.2	35.0	4,523	0.0	0.0
44973	2/16/23	4801	NM (2)	NM	NM	NM	NM	NM
45008	3/23/23	4836	NM (2)	NM	NM	NM	NM	NM
45030	4/14/23	4858	5,903,931,571	18118.5	85.0	2,036,865	6.3	0.1
45056	5/10/23	4884	5,907,153,615	18128.4	26.0	3,222,044	9.9	0.4
45092	6/15/23	4920	5,907,777,286	18130.3	36.0	623,671	1.9	0.1
45127	7/20/23	4955	5,914,607,160	18151.3	35.0	73,076,711	21.0	0.6
45154	8/16/23	4982	5,919,751,109	18167.0	27.0	5,143,949	15.8	0.6
45190	9/21/23	5018	5,920,841,765	18170.4	36.0	1,090,656	3.3	0.1
45218	10/19/23	5046	5,920,854,353	18170.4	28.0	12,588	0.0	0.0
45239	11/9/23	5067	5,920,861,738	18170.5	21.0	7,385	0.0	0.0
45266	12/6/23	5094	5,920,862,013	18170.5	27.0	275	0.0	0.0
45309	1/18/24	5137	5,920,912,207	18170.6	43.0	50,194	0.2	0.0
45336	2/14/24	5164	5,920,912,228	18170.6	27.0	21	0.0	0.0
45372	3/21/24	5200	5,922,170,308	18174.5	36.0	1,258,080	3.9	0.1
45400	4/18/24	5228	5,923,921,927	18179.8	28.0	1,751,619	5.4	0.2
45434	5/22/24	5262	5,929,220,528	18196.1	34.0	5,298,601	16.3	0.5
45463	6/20/24	5291	5,937,964,497	18222.9	29.0	8,743,969	26.8	0.9
45491	7/18/24	5319	5,955,040,163	18275.3	28.0	17,075,666	52.4	1.9
45519	8/15/24	5347	5,963,000,580	18299.8	28.0	7,960,417	24.4	0.9
45559	9/24/24	5387	5,974,208,998	18334.2	40.0	11,208,418	34.4	0.9
45582	10/17/24	5410	5,980,853,997	18354.6	23.0	6,644,999	20.4	0.9

**Notes:**

Data based on manual reads by TEAM of the Hay Ranch North and South Well Totalizers and digital reads from Coso Operating Company.

Hay Ranch Project groundwater pumping was initiated on 12/25/09.

1) Electrical issue with totalizers, no flow volumes collected. Coso indicates totalizers were fixed on March 21, 2019.

2) Electrical issue with totalizers, no flow volumes collected.