

**Hay Ranch Project
Groundwater Pumping To Date
November 2018**

| Hay Ranch South and North Well Groundwater Extraction Amounts | | | |
|---|--------------------------------------|-----------------------|-------------|
| Time period | Groundwater Production Well | Groundwater Extracted | |
| | | (Gallons) | (Acre Feet) |
| Date: 12/25/09 to 11/14/18 | Hay Ranch South Well Project Totals: | 2,037,885,118 | 6,254 |
| Date: 10/17/18 to 11/14/18 | Hay Ranch South Well Recent Period: | 3,165 | 0.0 |
| Date: 12/25/09 to 11/14/18 | Hay Ranch North Well Project Totals: | 3,760,780,071 | 11,541 |
| Date: 10/17/18 to 11/14/18 | Hay Ranch North Well Recent Period: | 4,448,007 | 13.7 |

| 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 |
| 40172 | 12/25/09 | 0 | - | 0 | 0 | 0 | 0 | 0 |
| 40196 | 01/18/10 | 24.5 | 24,009,000 | 73.7 | 24 | 5,908,000 | 18.1 | 2.6 |
| 40254 | 03/17/10 | 82.5 | 120,024,000 | 368.3 | 58 | 5,786,000 | 17.8 | 8.9 |
| 40312 | 05/14/10 | 140.5 | 248,524,000 | 762.7 | 58 | 57,698,000 | 177.1 | 5.7 |
| 40380 | 07/21/10 | 208.5 | 384,977,000 | 1181.5 | 68 | 59,458,000 | 182.5 | 5.5 |
| 40436 | 09/15/10 | 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 | 1/11/12 | 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 |
| 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 | 17719.3 | 21.0 | 15,243,324 | 47.3 | 2.3 |
| 43390 | 10/17/18 | 3218 | 5,794,214,017 | 17781.8 | 35.0 | 20,527,358 | 62.5 | 1.8 |
| 43418 | 11/14/18 | 3246 | 5,798,665,189 | 17795.5 | 28.0 | 4,451,172 | 13.7 | 0.5 |

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.