

**Seaside Basin Aquifer Storage and Recovery (ASR) Projects**  
Summary of Selected Project Information

| Site                                   | Well Name             | Injection Capacity <sup>1</sup> |                               |                             | Recovery Capacity <sup>2</sup> |                          |                               | Estimated Long-Term Average Yield <sup>3</sup> Acre-Feet Per Year (AFY) | Water Right Permit No. <sup>4</sup> | Minimum Instream Flow Requirements to Allow Carmel River Diversions <sup>5</sup> |   |
|--|-----------------------|---------------------------------|-------------------------------|-----------------------------|--------------------------------|--------------------------|-------------------------------|---|-------------------------------------|--|---|
|  |                       | Gallons Per Minute (GPM)        | Million Gallons Per Day (MGD) | Cubic Feet Per Second (CFS) | Acre-Feet Per Day (AFD)        | Gallons Per Minute (GPM) | Million Gallons Per Day (MGD) |   |                                     |  | Cubic Feet Per Second (CFS)             |
| <b>Water Project 1 (aka Phase 1)</b>   |                       |                                 |                               |                             |                                |                          |                               |   |                                     |  |   |
|  | Santa Margarita ASR-1 | 1,250                           | 1.8                           | 2.8                         | 5.5                            | 2,500                    | 3.6                           | 5.6   | 11.0                                | See Permit 20808A, Tables A, B, and C  |   |
|  | Santa Margarita ASR-2 | 1,750                           | 2.5                           | 3.9                         | 7.7                            | 3,500                    | 5.0                           | 7.8   | 15.5                                |  |   |
|  | Total Capacity        | 3,000                           | 4.3                           | 6.7                         | 13.3                           | 6,000                    | 8.6                           | 13.4  | 26.5                                |  |   |
| <b>Water Project 2 (aka Phase 2)</b>   |                       |                                 |                               |                             |                                |                          |                               |   |                                     |  |   |
|  | Middle School ASR-1   | 1,750                           | 2.5                           | 3.9                         | 7.7                            | 3,500                    | 5.0                           | 7.8   | 15.5                                | See Permit 20808C, Table A   |   |
|  | Middle School ASR-2   | 1,750                           | 2.5                           | 3.9                         | 7.7                            | 3,500                    | 5.0                           | 7.8   | 15.5                                |  |   |
|  | Total Capacity        | 3,500                           | 5.0                           | 7.8                         | 15.5                           | 7,000                    | 10.1                          | 15.6  | 30.9                                |  |   |
| <b>Water Projects 1 and 2 combined</b> |                       | <b>6,500</b>                    | <b>9.4</b>                    | <b>14.5</b>                 | <b>28.7</b>                    | <b>13,000</b>            | <b>18.7</b>                   | <b>29.0</b>   | <b>57.5</b>                         | <b>1,920</b>   | <b>Annual Yield (rounded) 2,000 AFY</b> |

**NOTES:**

- Individual well "Injection Capacity" values are based on available data regarding the actual or theoretical maximum sustained injection rates, and are subject to change with collection of additional empirical data from ongoing ASR operations. Example conversion from GPM to AFD: 3000 GPM/48.8 x 1.9835 = 13.3 AFD.
- Individual well "Recovery Capacity" values are based on available data regarding the actual or theoretical maximum short-term recovery (i.e., pumping) rates and are subject to change with collection of additional empirical data from ongoing ASR operations. Currently, each site is designed with only one well operated in recovery mode at a time, not simultaneously. Accordingly, the **operational** recovery capacity is 3,500 gpm for each site.
- "Estimated Long-Term Average Yield" value for Water Project 1 site is based on water resources simulation modeling studies conducted by MPWMD as described in "MPWMD Aquifer Storage and Recovery Project Environmental Impact Report / Environmental Assessment", dated March 2006 (see Ch. 8). Value for Water Project 2 site has been extrapolated from Water Project 1 study analyses and has not been independently modeled. Combined Estimated Annual Yield for both site has been rounded to 2,000 AFY by MPWMD for planning purposes.
- Water Right diversion limits:  
 Permit 20808A: Maximum instantaneous rate 6.7 CFS (rounds to 3,000 GPM); Maximum rate per day 13.3 AFD; Maximum annual volume 2,426 AFY; Season of diversion 12/1 of each year to 5/31 of succeeding year.  
 Permit 20808C: Maximum instantaneous rate 8.0 CFS (rounds to 3,600 GPM); Maximum rate per day 15.9 AFD; Maximum annual volume 2,900 AFY; Season of diversion 12/1 of each year to 5/31 of succeeding year.
- Permit 20808A was issued 11/30/2007; Permit 20808C has not yet been issued, but is anticipated in 2011.

*Distributed by staff  
at 7/19/11 meeting.*