

Mission Springs Water District

Water Supply Reliability Certification and Data Submission Supplemental

The source of supply for potable water for the Coachella Valley Water District (CVWD) is local groundwater, which is replenished through imported supplies from the State Water Project and Colorado River as well as natural recharge from the surrounding mountains.

The following questions and answers are from State Water Resourced Control Board (SWRCB) Worksheet 1 (sheet 1.) : *Total available water supply for individual water supplier.*

Q 1: Do you know the volume of water in the aquifer that is in your source(s) of groundwater?

The Department of Water Resources estimated the subbasins in the Coachella Valley groundwater basin contained approximately 39,200,000 acre feet of water in the first 1,000 feet below the surface (Page III-12, <http://www.cvwd.org/ArchiveCenter/ViewFile/Item/505>). The Mission Creek Subbasin portion of the greater system includes about 1.78 million acre feet (Page 6-3, [MSWD UWMP](#) (attached)). MSWD has historically accounted for only about 3% of the total demand on the water system that occurs from among the water agencies and private pumpers in the region.

Coachella Valley Groundwater System Supply/Demand Projections			
	Total Pumped	% of total Pumping	GW Supply available
Coachella Water Authority	6,486	0.02	715,311
Coachella Valley Water District	94,611	0.35	10,434,211
Desert Water Agency	29,731	0.11	3,278,895
Indio Water Authority	18,233	0.07	2,010,834
Mission Springs Water District	7,106	0.03	783,688
Myoma Dunes	3,386	0.01	373,404
Other Pumpers	114,282	0.42	12,603,657
Total Pumped	273,835	1.00	30,200,000
Total GW Basin Size ⁱ	30,200,000		

Q 2: How frequently are groundwater elevations monitored?

MSWD performs and charts monthly soundings of all production wells within the District's boundaries. The data is gathered by manual readings and SCADA. Data is gathered from every well and charted for analyses and groundwater monitoring.

Q 3: At what depth is/was your water table? (in feet)

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Water level at this highest producing well MSWD Well 37 (State Well No. 02S/04E-36P01S) is -305 feet as of June 2016. Soundings from June 2013 identified the water table at -298 feet. Water levels in this well have increased by approximately 7 feet since 2013. This measurement is from wellhead to static water level (water table) based upon monthly soundings from 2013 and the present.

Q 4: How many feet can you withdraw without substantially affecting your ability to pump water? (in feet)

72 feet represents the depth of water table to existing well bowls plus draw down when pumps are activated. The well casing is 1,100 feet into water-bearing alluvium. This leaves nearly 800 feet of water bearing capacity. Most of the agencies production wells are constructed to similar standards.

ⁱ Includes all potable subbasins