



THE CITY OF SAN DIEGO

Mission Valley Basin

FACT SHEET



Mission Valley Well

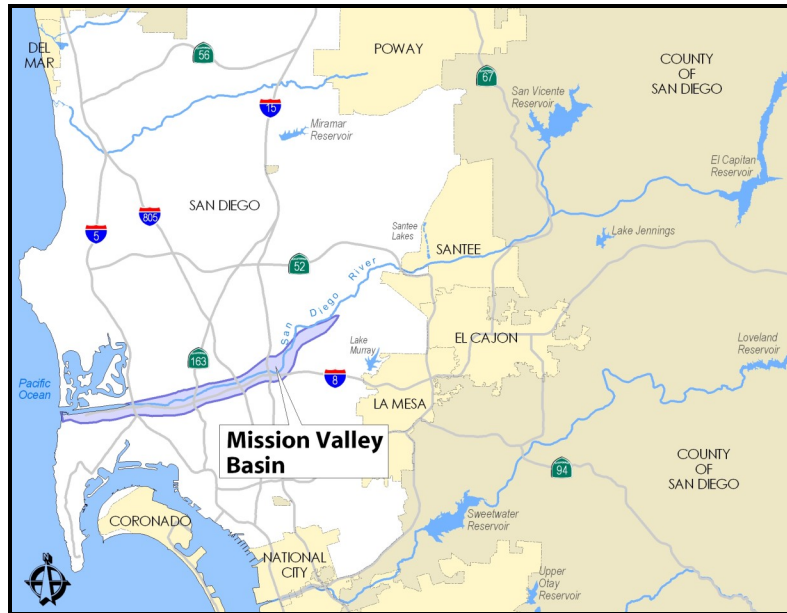
A water resource strategy that includes conservation, recycled water, and groundwater supplies will help meet future water needs.



City of San Diego
Public Utilities Dept.
Long-Range Planning &
Water Resources Division
600 B Street, Suite 600
San Diego, CA, 92101
(619) 533-7572
www.sandiego.gov/water

Developing Potable Water Supplies

One of the top priorities of the City of San Diego is developing new local water supplies and storage. The use of groundwater reduces reliance on imported water supplies and contributes to a regional effort to reduce demands for imported water.



Basin Overview

The Mission Valley Basin is located in the central region of the city. Since 1986 petroleum products have been discharged into the ground affecting the quality of groundwater in the basin. In 1992, a clean-up order was issued by Regional Water Quality Control Board. Insufficient clean-up efforts have impacted the city's ability to implement plans for the basin.

Basin Capacity

Approximate sustainable yield and storage capacity of the basin is 2,000 to 4,000 acre-feet per year (AFY) and 42,000 AF respectively.

Project: Mission Valley Brackish Groundwater Desalination Project
Estimated Cost: \$15 million
Estimated Timeline: 4-5 years

This project would extract and desalinate native groundwater through reverse osmosis resulting in approximately 2,000 AFY of groundwater. Desalinated water would be conveyed to the potable distribution system in Mission Valley. Joint efforts by the United States Geological Survey and the city are underway to collect and analyze groundwater data to estimate water supply potential of the basin. A monitoring well was drilled in 2005 as part of this effort.