



THE CITY OF SAN DIEGO

# San Diego Formation Basin

## FACT SHEET

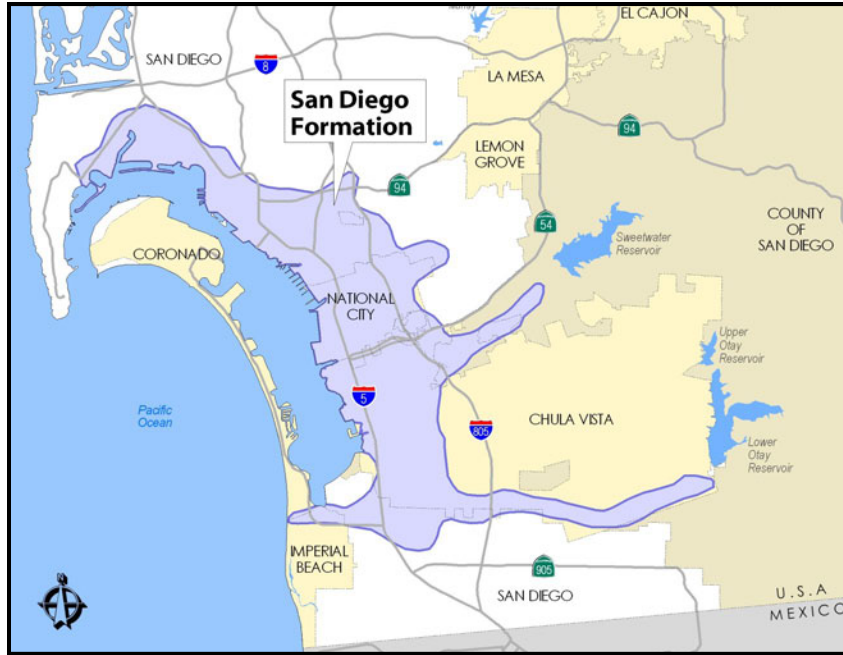


San Diego Formation Monitoring Well

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

## 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 contributes to a regional effort to reduce demands for imported water.



### Basin Overview

The San Diego Formation Basin is located in the Southwest region of the city, south of Interstate 8 and north of State Route 905.

### Basin Capacity

The San Diego Formation Basin is largely unstudied. However, investigations by other entities suggest the sustainable yield may be limited to 10,000 acre feet per year (AFY) with useable storage volume estimated between 270,000 and 360,000 acre feet.

**Project:** San Diego Formation Brackish Groundwater Desalination Project

**Estimated Cost:** \$22 million

**Estimated Timeline:** 4 - 5 years

The brackish groundwater desalination project would extract and desalinate native groundwater through reverse osmosis. As a result, native groundwater would be produced and distributed locally in the area.

The City of San Diego is engaged in investigations to gain a better understanding of the San Diego Formation (SDF). Monitoring wells were drilled in 2007 and 2008 to help characterize the water quality and quantity of the SDF. The City is participating in an area-wide investigation with other entities to develop an integrated, comprehensive understanding of the geology and hydrology of the SDF, and to use this understanding to evaluate an expanded use of the SDF for recharge and extraction.



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