



Riverside North Aquifer Storage and Recovery Project FACT SHEET



FACTSHEET

Topic: Riverside North Aquifer Storage and Recovery Project

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| Project partners: | Riverside Public Utilities, San Bernardino Valley Municipal Water District, and Western Municipal Water District |
| In development since: | 2006 |
| Location: | City of Colton |
| Estimated yield: | 15,000 acre-feet of water (annual average) |
| Cost: | \$24 million (estimate) |

Purpose of the Project

The Riverside North Aquifer Storage and Recovery Project will capture and recharge high-quality storm water to the Rialto-Colton and Riverside groundwater basins for subsequent extraction and municipal use, allow partnering agencies to further utilize local water resources and become less dependent on imported water, increase water supply reliability, and improve groundwater quality.

The population within the Project Partners' service area is estimated at nearly 1 million people. The new water supply that would be captured and stored by the Riverside North ASR Project would be about 15,000 acre-feet per year, or about 4.9 billion gallons, on average. A typical household within this area uses about 0.5 acre-feet per year and has about three occupants. This project would have the ability to support about 30,000 households or about 90,000 people per year.

Project Description

The proposed project has three main components:

1. An inflatable dam with a diversion structure within the Santa Ana River
2. Off-channel recharge facilities on an adjacent parcel of land owned by Riverside Public Utilities
3. Conveyance facilities to divert water to the Riverside Canal

The project would have the capacity to divert up to 200 cubic feet of water per second (cfs) between the in-channel, off-channel, and diversion facilities. The in-channel facilities would include:

- An inflatable dam measuring approximately 810 feet long by six feet high
- A diversion structure in the west levee of the Santa Ana River and conveyance facilities capable of diverting up to 165 cfs

The off-channel facilities would include:

- Pipelines to and from the on-site basins, desilting basins, up to eight recharge basins, and an outlet pipe-line to the Santa Ana River
- A connection to the Riverside Canal

The off-channel parcel owned by Riverside Public Utilities is about 44 acres, of which approximately 25 acres would be active recharge basins with an estimated recharge capacity of 65 cfs. The conveyance facilities to the Riverside Canal would include a pipeline and associated facilities needed to convey up to 100 cfs. It is anticipated that the inflatable dam would be operational during most of the winter and spring (about 180 days per year) or when flow is present in the Santa Ana River.

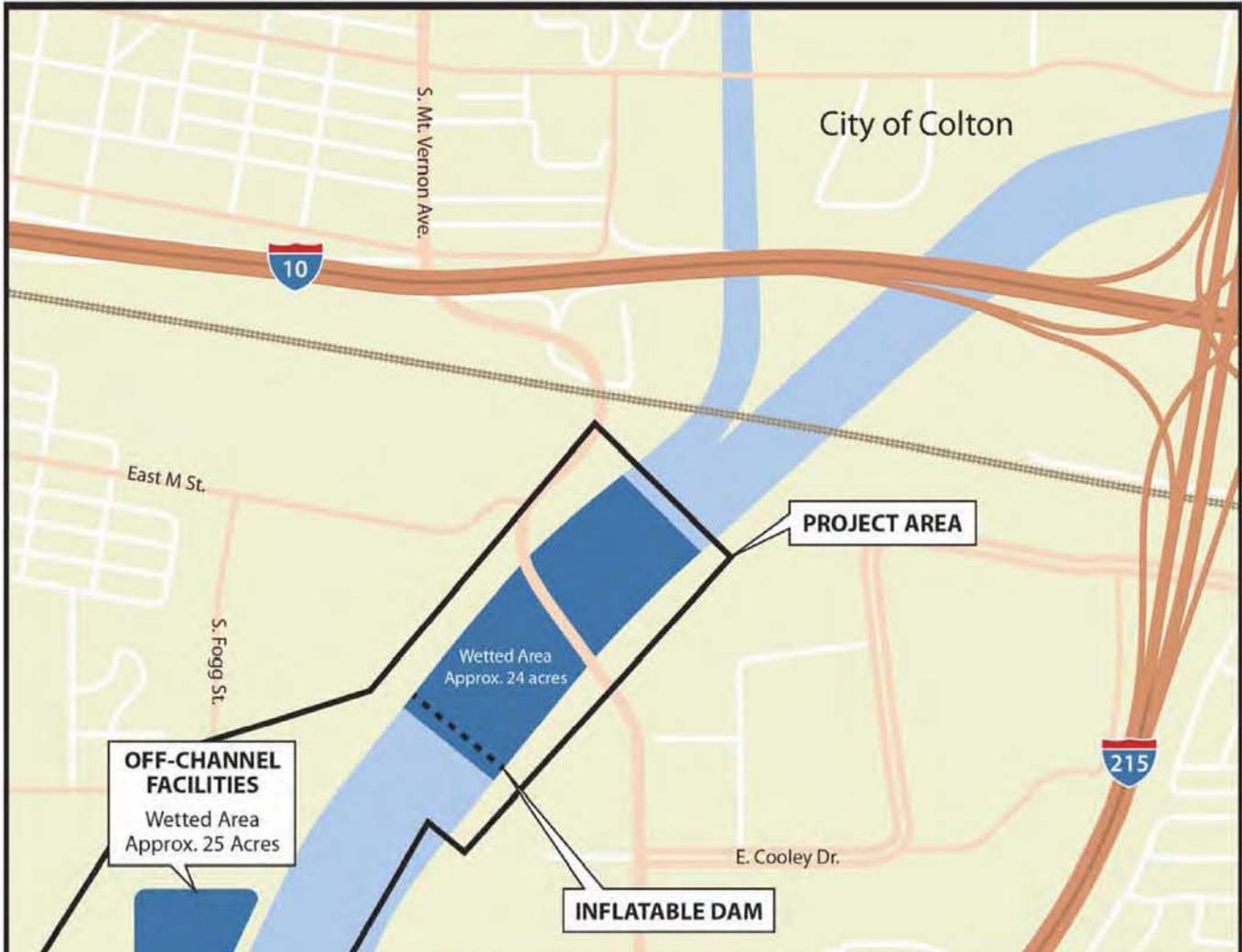
Impact Studies

During the planning and development phase (2008-2012), project partners commissioned several technical studies to evaluate the watersheds tributary to the project area, river hydrology and hydraulics, aquifer geohydrology, and the potential impacts on the Santa Ana sucker (*Catostomus santaanae*) and its habitat. Project partners also initiated the California Environmental Quality Act (CEQA) process and began preparing an Environmental Impact Report (EIR), a draft of which is currently available to review at www.RiversidePublicUtilities.com

Timeframe

| TASK | ESTIMATED COMPLETION BY |
|-----------------------|--------------------------------|
| Planning Efforts | Complete |
| Environmental Process | Nearly complete |
| Project Operational | 2018 |

Location Map



CONTACT

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