



### Program Overview

The Santa Ana Watershed Project Authority (SAWPA) will conduct a 4-year weather modification pilot program to gather necessary data to ensure the program is feasible and can be implemented in the watershed.

### Cloud Seeding Overview

Cloud seeding is a type of weather modification used to increase the amount of precipitation, including snow or rain, during the storm season. This process works through releasing particles of silver iodide into clouds, which increase the chances of droplet condensation.

### Benefits

- Increases precipitation by 5-15 percent
- Increases snowpack
- Increases water supply for the region

### Cloud Seeding Methods

Ground-based seeding consists of two methods:

- Cloud Nuclei Generators (CNGs)
- Automated High Output Ground Seeding (AHOGS).

### Safety Facts

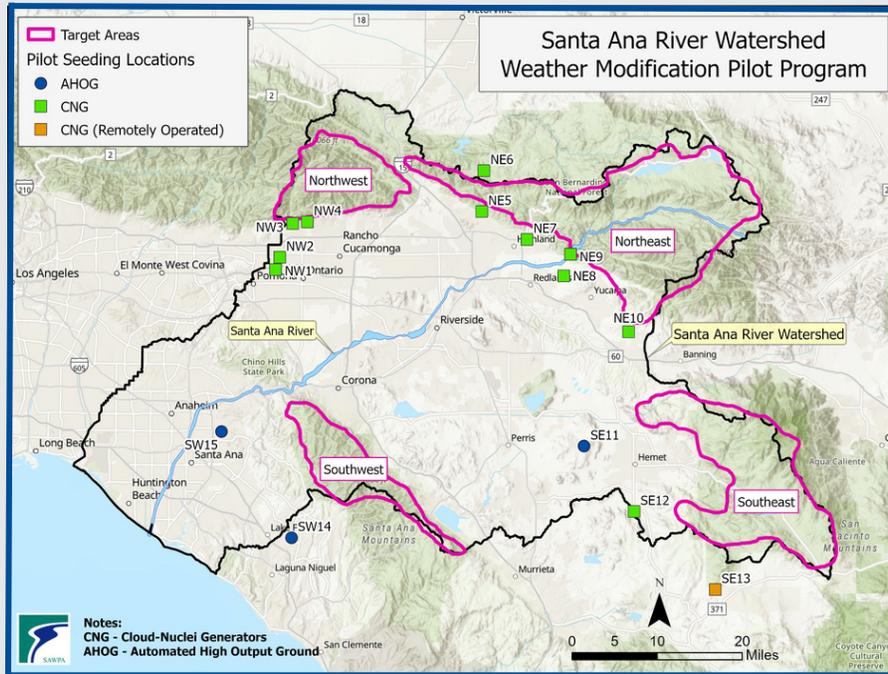
- Research spanning more than 50 years has consistently shown no measurable human or environmental effects resulting from the use of silver iodide.
- The concentration of silver iodide in rainwater and snow from a seeded cloud is nearly 1,000 times less than the Environmental Protection Agency (EPA) standard.

### Schedule

November 2023 through April 2027

### Seeding Locations

The pilot program strategically selected suitable locations for the generators to maximize their effectiveness in reaching desired clouds. The map below provides the locations of the 15 ground-based seeding units.



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