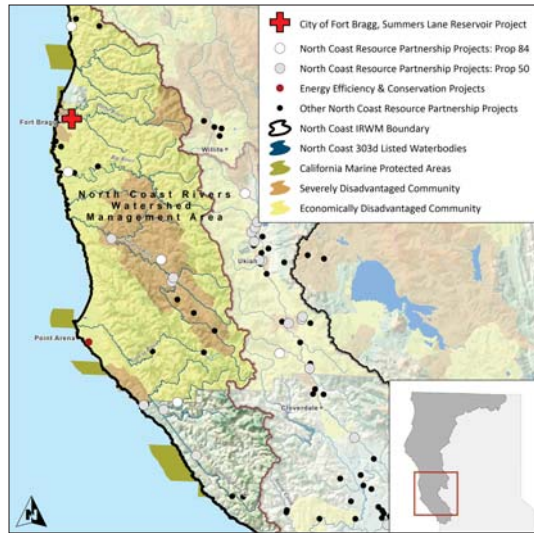


Summers Lane Reservoir Project

CITY OF FORT BRAGG



COMPLETION DATE

September 2016

STATEMENT OF THE PROBLEM

In January 2014, following a State declaration of a drought state of emergency, the Mendocino County Board of Supervisors also declared a drought emergency in Mendocino County because wells were drying up in the coastal area. Meanwhile, the City of Fort Bragg was experiencing record low water production from its raw water sources as well as salt water intrusion at its Noyo River intake. Simultaneously, increases in water sales to water haulers serving area residents with dry wells was occurring.

PROJECT GOALS

- Water supply reliability for the City of Fort Bragg, a state-recognized Disadvantaged Community
- Increased instream flow in the Noyo River for environmental beneficial uses

THE SOLUTION

The project constructed a 45 acre-foot reservoir to store water delivered from Waterfall Gulch, which is approximately two miles south of the reservoir site. This reservoir increases the availability of water to the City of Fort Bragg, increasing the community's resiliency to climate change.

PROJECT IMPLEMENTATION

Project construction began in June 2016 and was completed in September 2016.

PROJECT BUDGET

IRWM funds:	\$ 700,000
Leveraged funds:	\$ 1,064,840
TOTAL	\$ 1,764,840

BENEFITS

Economic benefits

- Approximately \$10,800 per year in increased instream flow for municipal purposes
- An estimated \$435,000 every other year in increased water supply reliability given a one in two year occurrence of water shortages in the recent past
- An estimated \$3,360,000 every two years in avoided water shortage costs given a one in two year occurrence of water shortages in the recent past
- An estimated annual savings of \$5,300 per year in avoided electric costs
- Approximately \$7,400 per year in avoided costs associated with emergency repairs to aging infrastructure
- Avoided water treatment costs of approximately \$500 per year

Water Supply

- Increased municipal water supply reliability

Habitat and Ecosystem function benefits

- Increased instream flow in the Noyo River for environmental beneficial uses, supporting the salmonid population

Jobs and Local Economic Benefits

- About \$1.7 million was spent locally, using local supplies and labor when possible
- Approximately 10 jobs were created/maintained

NEXT STEPS

The City of Fort Bragg will continue to diversify its water supply and repair aging infrastructure in order to continue to provide reliable, high quality drinking water to the community.

CONTACT

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