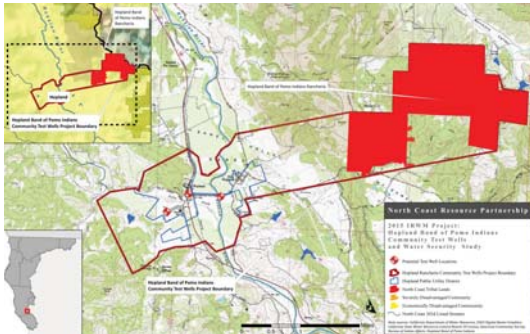


Hopland Band of Pomo Indians Community Test Wells and Water Security Study

HOPLAND BAND OF POMO INDIANS



COMPLETION DATE

January 31, 2017

STATEMENT OF THE PROBLEM

The Hopland Band of Pomo Indians has been struggling with the ability to provide drinking water to the residents of the Hopland Reservation since establishment of the Reservation in 1907. There have been numerous attempts to provide adequate water via wells on the Reservation, with 18 wells of varying depths, water quality, and production drilled on the Reservation in the past 100 years. The geology of the Hopland Reservation is not conducive to well water, with fractured aquifers filled with silt and clay. Shallow wells showed great promise only to run dry after one season, and one well with sufficient production (100gpm) had extremely high levels of bicarbonates, arsenic, boron, barium, sodium, and actually became a Brownsfield clean-up site.

PROJECT GOALS

- Obtain a stable, reliable high-quality water supply for the Hopland Reservation
- Enhance Tribal resiliency to climate change by diversifying water sources and establish a sustainable, legal framework for collaboration with the Hopland Water District

THE SOLUTION

The purpose of this project is to establish the legal framework between the Hopland Band of Pomo Indians and the Hopland Water District to investigate and drill three groundwater test well sites in Hopland that have been identified as having a high probability of high production. Information resulting from the test wells will provide the groundwork for additional funding for a backup well that will serve the Hopland Band of Pomo Indians and the Hopland Community.

PROJECT IMPLEMENTATION

This project has been completed.

PROJECT BUDGET

IRWM funds:	\$ 149,170
TOTAL	\$ 149,170

BENEFITS

Economic benefits

- Avoided water supply purchases will provide an estimated \$109,500 per year upon project implementation

Water Quality

- Drinking water quality improvements for the Hopland Tribe upon development of wells

Water Supply

- Improved water supply reliability for the Hopland Tribe and Hopland community after well development

Cultural benefits

- Reduced conflict among water users and enhanced community capacity as social capital is developed during the test well planning phase
- This project will lead to climate change resiliency for the Hopland Tribe and the Hopland community as a good quality, secure water source is developed

Jobs and Local Economic Benefits

- Approximately \$150,000 spent locally, using local supplies and labor when possible
- About 1 job created/maintained

NEXT STEPS

Once a suitable well site has been identified, the Hopland Tribe and the Hopland Water District will seek the funding necessary to develop the well and connect it to their water distribution systems. The two communities will continue to seek ways to collaborate to enhance resiliency to effects of climate change.

CONTACT

Terri McCartney
EPA Director
TMMcCartney@HoplandTribe.com
704.472.2100 X1304

