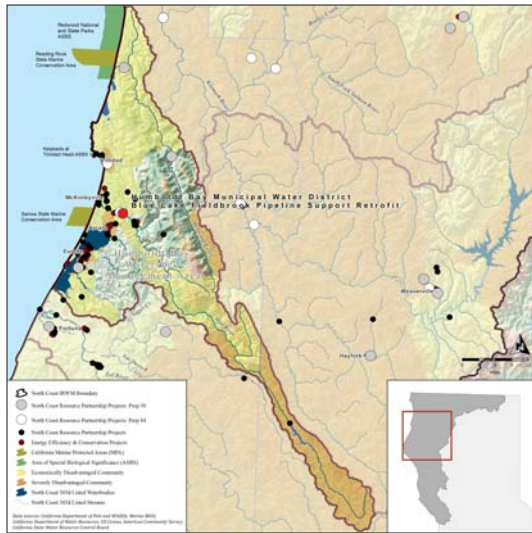


# Blue Lake Fieldbrook Pipeline Support Retrofit

## HUMBOLDT BAY MUNICIPAL WATER DISTRICT



### STATEMENT OF THE PROBLEM

Humboldt Bay Municipal Water District (HBMWD) currently supplies domestic water to the City of Blue Lake and the Fieldbrook Glendale Community Services District (FGCSD). The Blue Lake/FGCSD pipeline crosses the Mad River via a 14-inch ductile iron pipeline attached to a North Coast Railroad Authority (NCRA) bridge. The bridge has not been used or maintained for many years, and if it fails or collapses, it will damage the District's pipeline and interrupt the sole domestic water service to these communities.

### PROJECT GOALS

Improve local and regional water supply reliability

### THE SOLUTION

The proposed project addresses the potential loss of water service to two communities that serve approximately 2,880 residents. By constructing a new crossing, the receiving communities will likely continue to receive potable water during flood conditions or after an earthquake. Currently, their water source is vulnerable to both these natural disasters. This region of California is very seismically active and receives large storm events several times a year; it is not a matter of if these disasters will happen, but when they will happen. Therefore, constructing a new crossing will address the vulnerability problems of the existing crossing's infrastructure.

### PROJECT IMPLEMENTATION

This project will replace the current pipeline with an aerial crossing for a new 14-inch diameter pipe, which will meet modern seismic codes and be located outside of the 100-year floodplain by implementing the steps below.

1. Environmental permitting and preliminary engineering
2. Planning and design specifications
3. Construction of spanning support structures, pipeline, valves, other appurtenances, and connection to the existing system.
4. System testing and project closeout

### COMPLETION DATE

Ongoing

### PROJECT BUDGET

IRWM funds:	\$ 700,000
Leveraged funds:	\$ 903,580
<b>TOTAL</b>	<b>\$1,603,580</b>

### BENEFITS

#### Economic

- Approximately \$1,492,438 benefit from avoided costs of service disruption and emergency repair
- An annual benefit of approximately \$95,922 from avoided fire damage

#### Water Supply

- This project ensures a reliable water supply to support planned growth for Fieldbrook, Glendale, and the City of Blue Lake, which are Disadvantaged Communities

#### Jobs and Local Economic Benefit

- Over \$1.6 million will be spent locally using local labor and supplies when possible, thus contributing to State goals for environmental justice and social equity
- Improved emergency preparedness and response during natural disasters and other emergencies

### NEXT STEPS & RECOMMENDATIONS

HBMWD will continue to proactively repair and replace aging, outdated infrastructure to improve environmental quality and maintain water supply reliability in the area.

#### CONTACT

Carol Rische  
Humboldt Bay Municipal Water District  
Eureka, CA 95502  
707.443.5018



**NORTH COAST RESOURCE PARTNERSHIP**