

DRINKING WATER STATE REVOLVING FUND



WATER SYSTEM RESILIENCY

State Program:

Alaska Drinking Water State Revolving Fund

Assistance Recipient:

City of Homer

Project Name:

Seawall Armor Rock Installation

Initial Agreement Date:

2021



Project Description

The City constructed an armor rock seawall that protects drinking water infrastructure from a rapidly eroding coastline. Situated on Alaska's Kenai Peninsula, Homer is a coastal city and a tourist destination with a full-time population of approximately 6,000. Recent research found that increased storm surges and intense precipitation events in the area are contributing to rapid shoreline erosion. Notably for the City, the encroachment of erosion has begun to affect the Homer Spit, a sandy tourist destination on Kachemak Bay, consisting of restaurants, shops, fishing charters, and lodging. Without action, predicted further erosion would eventually reach the water main line and disrupt the City's ability to provide reliable, safe drinking water to the residents and visitors.

To combat these existing and future concerns, the City used \$585,000 in DWSRF funding to install new armor rock to an existing seawall that will protect against coastal erosion. This new seawall protects not only the City's drinking water infrastructure, but also the wastewater infrastructure and the land itself. The installation of the armor rock has alleviated community members' previously held anxieties about water supply interruptions and their potential to negatively impact a key industry for the City, tourism. In building this new seawall, the City of Homer is combining the best available research with DWSRF funding to increase their resiliency against shoreline erosion.



**DWSRF Assistance
Provided
\$585,000**

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Click here to learn more about the [Alaska Drinking Water State Revolving Fund Program](https://www.epa.gov/dwsrf).