

Nome Seawall

Condition of Improvements
31 December 2022
Nome Seawall, Nome, Alaska
(CWIS No. 010422 & 012770)

Authorization (1) Rivers and Harbors Act, 16 June 1948 (Public Law 80-649) as adopted, authorizes construction of a rock mound seawall extending easterly from the east jetty along the water front for a distance of 3,350 feet. (2) Section 101 (a) (1), P.L. 106-53, Water Resource Development Act of 1999, 106th Congress, provides for navigation improvements at Nome; a seawall extension of about 400 feet was built to ensure the blocked entrance of the Snake River, the previous harbor entrance channel, did not erode during storms.

Table 1

| Existing Project | Length ft. | Height ft. |
|-------------------|------------|------------|
| Seawall Revetment | 3350 | |

Progress of Work

| | |
|------|--|
| 1949 | Work begins on the seawall. |
| 1951 | Construction of the seawall is completed in June. |
| 2000 | Locals were notified of several areas requiring armor stone (1 to 6 units) to repair the seawall. |
| 2001 | The Nome seawall is found to be structurally sound, but forty-eight (9) ton armor stones are required to cover exposed core material at various locations. Local interests have been notified. |
| 2002 | The Nome seawall is found in “fair” condition but continues to need repair. |
| 2003 | Inspection of the Nome seawall finds the project functioning properly but still in need of some repair. |
| 2004 | The Nome seawall is overtopped by a severe storm in October. The structure survived intact with minor damage. Local authorities have been notified of the needed repairs. |
| 2005 | The September inspection of the seawall finds conditions relatively unchanged since the 2004 post-storm inspection. Recommendation is made to perform the needed repairs. |

Progress of Work

| | |
|------|---|
| 2006 | The Corps' inspection of the seawall along Front Street found the project in good condition except for an occasional missing stone and a small area missing an estimated six stones. It was recommended that the stones in the one area of concern be replaced. The seawall is extended about 400 feet as part of the Nome Navigation Improvements project. |
| 2009 | The seawall at Nome was inspected and appears to be in good condition. |
| 2011 | An inspection after a November storm found the Nome Sea Wall appears to be in good condition. |
| 2012 | Project inspection reveals a steepened section of revetment near the Aurora Hotel. Gaps in the armor stone layer are noted. |
| 2013 | Project inspection reveals no significant change from previous year. |
| 2014 | Project inspection reveals no significant change from previous year. |
| 2015 | Project inspection reveals no significant change from previous year. |
| 2016 | Maintenance activities repair damages noted from previous inspections. Some gaps in armor stones are noted around culverts. |
| 2017 | Project inspection reveals no significant change from previous year. |
| 2018 | Project inspection reveals the sea wall to be in overall good condition. Sand has accumulated around many of the armor stone in the lower portion of the sea wall, filling in void spaces between stones. |
| 2019 | Project inspection completed in August, The sea wall appears to be in overall good condition. Conditions at the time of the inspection were a minor storm event, however the variation in toe conditions along the length of the project was evident due to the amount of spray. |
| 2021 | Project inspection reveals no significant change from previous year. |
| 2022 | USACE inspected the project on 21 September 2022 following Typhoon Merbok. Damage was found near the east end of the project where loss of fill material behind the seawall resulted in a degradation of the crest height and width. |

Table 2 Cost to Date

| Project | Description | Cost \$ |
|--|-------------|---------|
| Cost data is unavailable for this project. | | |

Table 3 Range of Tides in feet

| Tide Station | Mean Range | Diurnal Range | Extreme Range |
|--------------------------------|-------------------|----------------------|----------------------|
| 946 8756 Nome, Norton Sound AK | 1.04 | 1.53 | 16.52 |

NOAA Publication Date: 12/08/2020

Nome Seawall, Nome, Alaska



Nome Seawall, September 2019



Nome Seawall, August 2018