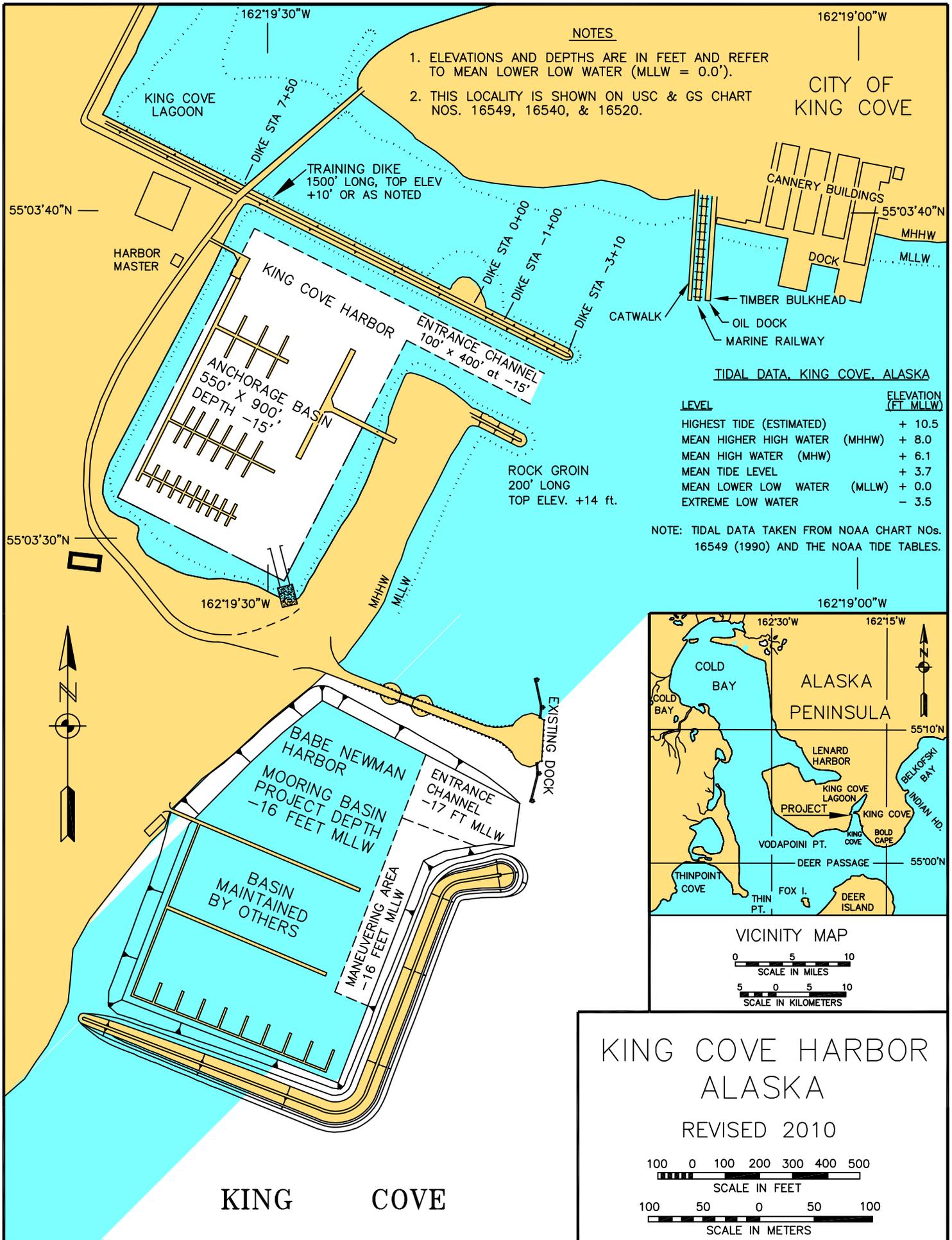


**King Cove and
Babe Newman
Harbors**



Condition of Improvements
30 December 2014
King Cove & Babe Newman Harbors
King Cove, Alaska
(CWIS Nos. 072741 & 087738)

Authorization (1) Rivers and Harbors Act, 13 August 1968 (Senate Doc. 13, 90th Congress, 2nd Session) as adopted, provides for an 11 acre boat basin and an entrance channel about (125' x 400') both at 15 feet below MLLW, an earth-fill training dike 1,200 feet long at 10 feet above MLLW, and a rock sea groin 200 feet long at 14 feet above MLLW. (2) Section 107 of the 1960 River and Harbor Act, as amended, P.L. 86-645, 33 U.S.C. 577 (1986) provides for the general navigation features shown for the New Harbor (Babe Newman Harbor) below, as approved by the Commander of the North Pacific Division, 1 April 1997.

Table 1

| Existing Project | Length ft. | Width ft. | Depth ft. |
|--------------------------------------|-------------------|------------------|------------------|
| King Cove Harbor | | | |
| Entrance Channel | 460 | 100 | -15 |
| Basin | 900 | 550 | -15 |
| Training Dike | 1500 | | |
| Rock Groin | 200 | | |
| Babe Newman Harbor | | | |
| Entrance Channel | 335 | 125 | -17 |
| Rubble-mound Breakwater | 1600 | n/a | |
| Mooring Basin (maintained by others) | 725 | 680 | -16 |
| Maneuvering Area | 555 | 115 | -16 |

Project Usage The original King Cove Small Boat Basin provides moorage for small craft 60 feet and under and holds a peak of 100 to 120 fishing boats. The Babe Newman Small Boat Harbor holds craft 60 feet and larger with a capacity of about 50 boats.

Progress of Work

King Cove Harbor

- 1972 A Design Memorandum is completed in April modifying the entrance channel and training dike to protect the entrance from strong tidal currents and reduce shoaling and icing.
- 1973 The construction contract is awarded in May, but construction does not commence until September when a new rock quarry site is located.
- 1974 Work on the project is successfully completed in June.
- 1984 A maintenance dredging contract is awarded in July; dredging commences in September and is completed in October with the removal of 17,250 yards.
- 2002 A condition survey of the original harbor is conducted in August.
- 2006 A condition survey of the harbor is conducted in June; aerial photography is taken in May.
- 2010 A condition survey of the original harbor is conducted in July.
- 2012 “Comprehensive Evaluation of Project Datums” Compliance report completed and recorded in September.
- 2014 A condition survey of the original harbor is conducted in August.

Babe Newman Harbor

- 1997 The Final Detailed Project Report is completed in March.
- 1998 A construction contract is awarded in December.
- 1999 The rubble-mound breakwater is completed during the summer.
- 2000 Dredging commences in the summer and excavates 106,876 cubic yards before ceasing in November.
- 2001 An additional 251,644 cubic yards is dredged to complete the contract in September. The new South Harbor is opened by local interests in October.
- 2006 A condition survey of the harbor is conducted in June; aerial photography is taken in May.
- 2010 A condition survey of the original harbor is conducted in July.
- 2012 “Comprehensive Evaluation of Project Datums” Compliance report completed and recorded in September.
- 2014 A condition survey of the original harbor is conducted in August.

Table 2 Cost to Date

| Project | Description | Cost \$ |
|----------------|------------------------------|----------------|
| 087738 | CG Appropriations | 7,461,855 |
| | CG Costs | 7,461,855 |
| | CG Contributed Appropriation | 1,376,599 |
| | CG Contributed Costs | 1,376,598 |
| 072741 | O&M Appropriations | 568,294 |
| | O&M Costs | 568,294 |

Table 3 Range of Tides in feet

| Tide Station | Mean Range | Diurnal Range | Extreme Range |
|-----------------------|-------------------|----------------------|----------------------|
| 945 9881 King Cove AK | 4.83 | 6.83 | 14.64 |

Controlling Depth King Cove - A depth of -11.1 feet MLLW controls the entrance channel, July 2014. A depth of -10.1 feet MLLW controls navigation purposes on the NW boundary corner of the basin, July 2014. Babe Newman - A depth of -16.8 feet MLLW controls the entrance channel, July 2014. A depth of -14.9 feet MLLW controls navigation purposes on the SE boundary of the maneuvering area, July 2014.

King Cove Harbors, King Cove, Alaska



Oblique of Babe Newman Harbor (left) and King Cove Harbor (right), July 2014.



King Cove Harbor, 26 July 2014.