

VICINITY MAP



Bridge

Rip-rap slope

Earth filled sheetpile wharf

Catwalk

Mooring Structure

N2

N1

MV TUSTUMENA

S1

S2

KING COVE



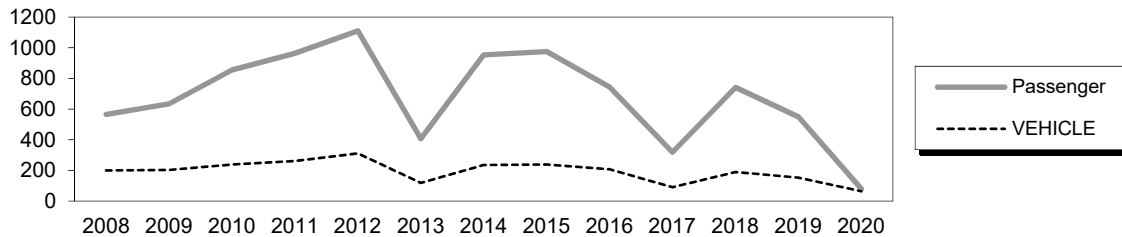
**GENERAL LAYOUT
KING COVE**

King Cove Dock

Owner: Aleutians East Borough

Contact: City of King Cove, Charles Mack, Port Director 907-497-2340

Terminal Description: The M/V Tustumena docks at the Aleutians East Borough facility in King Cove on its passage through the Aleutian Chain. The King Cove facility consists of a sheet pile bulkhead structure with a face approximately 125' long. There are 4 steel pile mooring dolphins (two on each side of the dock) connected to the dock by steel catwalks. Access to the dock is via an embankment and paved roadway. There is a breach in the embankment at about its midpoint to permit juvenile fish migration. A steel girder/concrete deck bridge spans the breach; sheet pile cells protect the abutments. The facility is a multi-purpose facility and could be in use by other vessels when the ferry arrives. AMHS is not in control of operation or maintenance of this facility. The past 12 years of total passenger and vehicle traffic at King Cove is shown below. The M/V Tustumena was out of service most of 2013, causing a steep drop-off in traffic at the terminal. The global pandemic caused the decline in 2020.



The most recent above water survey was completed on August 13, 2022. The most recent underwater inspection was completed on July 14, 2014.

| Vessels | |
|-----------|---------------------|
| Name | Berthing, Alignment |
| Tustumena | Port / Starboard |

| Tidal Data | |
|------------------|-------|
| Highest Observed | 10.97 |
| MHHW | 6.82 |
| MHW | 6.13 |
| MLLW | 0.00 |
| Lowest Observed | -3.82 |

| Terminal Building |
|--|
| This facility does not have a terminal building. |

| Generator & Building |
|--|
| This facility does not have a generator on-site. |

| Utilities @ Dock |
|--|
| There are no utilities at the City Dock. |

| Uplands | |
|---------------------|-----------------|
| Short-Term Parking: | N/A |
| Long-Term Parking: | N/A |
| Staging Area: | 900 lineal feet |

| Sheet Pile Dock | |
|-----------------|---|
| Year Built: | 1993 |
| Dock Structure: | Sheet Pile Bulkhead |
| Coating: | None |
| Fenders: | Nine (9) heavy-duty fenders w/ steel piles & rubber fenders, Six (6) light-duty timber fenders. |
| Anodes: | Yes |
| Lighting: | Light posts on either side of the dock |
| Condition: | Fair |
| Design Load: | HS 20-44 / 400 psf / Cat 980C Loader / 40 Ton Crane |

| Terminal Projects | | | |
|-------------------|-----------|---------------------------|--|
| Year | Project # | Project Name | Description |
| 1992 | 90096 | King Cove Deep-Water Port | Constructed a new sheet pile bulkhead dock with five heavy duty fenders along the front face and four mooring dolphins: two on the north end of the dock and two on the south end of the dock. |

| Dolphins | | | | | | |
|-----------------|----------------------|-----------------------|--------------------|---------------|--------------|--------------|
| Dolphin | Dolphin Piles | Fender Support | Fender Face | Anodes | Built | Cond. |
| N2 | 2B, 1V | 1V | Rubber Cylinder | Yes | 1993 | Fair |
| N1 | 2B, 1V | 1V | Rubber Cylinder | Yes | 1993 | Fair |
| S1 | 2B, 1V | 1V | Rubber Cylinder | Yes | 1993 | Fair |
| S2 | 2B, 1V | 1V | Rubber Cylinder | Yes | 1993 | Fair |

| Catwalks / Gangways | | | | | | | |
|----------------------------|---------------------|-------------------|----------------------------------|--------------|----------------------|--------------|-----------------|
| # | From Struct. | To Struct. | Length / Style | Built | Safety Chains | Cond. | Lighting |
| C1 | N2 | N1 | 76' / Catwalk / Steel pony-truss | 1993 | No | Fair | None |
| C2 | N1 | Dock | 28' / Catwalk / Steel pony-truss | 1993 | No | Fair | None |
| C3 | Dock | S1 | 28' / Catwalk / Steel pony-truss | 1993 | No | Fair | None |
| C4 | S1 | S2 | 76' / Catwalk / Steel pony-truss | 1993 | Yes | Fair | None |

GENERAL FACILITY EVALUATION

| Facility Component | Rating |
|---------------------------|---------------|
| Uplands | 5 |
| Sheet Pile Dock | 5 |
| Dolphin | 5 |
| Fendering System | 5 |

| | |
|---|--|
| 9 | EXCELLENT CONDITION |
| 8 | VERY GOOD CONDITION - no problems noted |
| 7 | GOOD CONDITION - some minor problems. |
| 6 | SATISFACTORY CONDITION - structural elements show minor deterioration |
| 5 | FAIR CONDITION - all primary structural elements are sound but may have minor corrosion, cracking or chipping. May include minor erosion on bridge piers. |
| 4 | POOR CONDITION - advanced corrosion, deterioration, cracking or chipping. Also significant erosion of concrete bridge piers. |
| 3 | SERIOUS CONDITION - corrosion, deterioration, cracking and chipping, or erosion of concrete bridge piers have seriously affected deck, superstructure, or substructure. Local failures are possible. |
| 2 | CRITICAL CONDITION - advanced deterioration of deck, superstructure, or substructure. May have cracks in steel or concrete, or erosion may have removed substructure support. It may be necessary to close the bridge until corrective action is taken. |
| 1 | "IMMINENT" FAILURE CONDITION - major deterioration or corrosion in deck, superstructure, or substructure, or obvious vertical or horizontal movement affecting structure stability. Bridge is closed to traffic but corrective action may put back in light service. |
| 0 | FAILED CONDITION - out of service - beyond corrective action |
| N | Not applicable |

For a copy of the latest facility inspection reports contact the AK DOT&PF Marine Design Department. Contact information is located in the Comments and Feedback section.