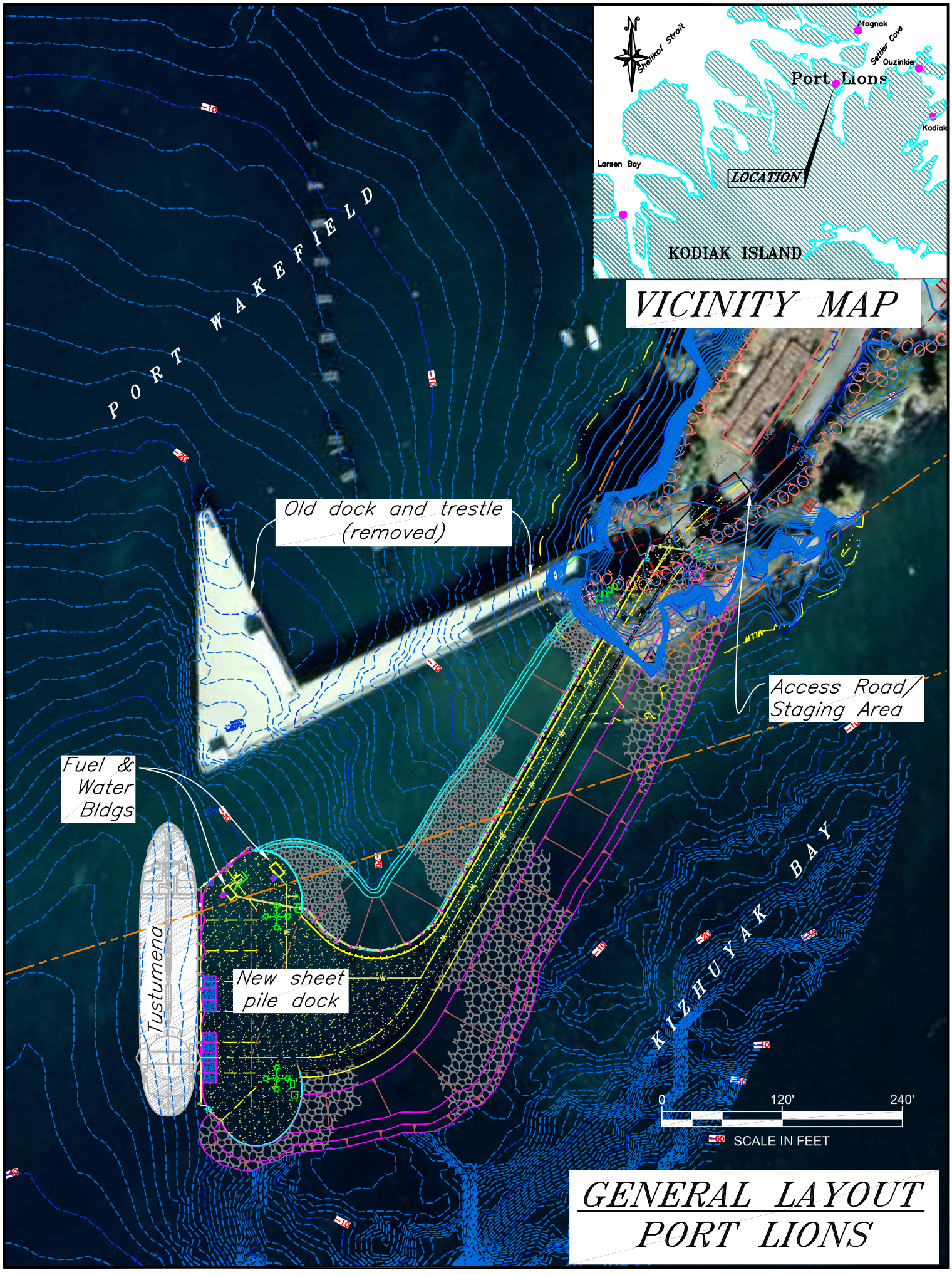
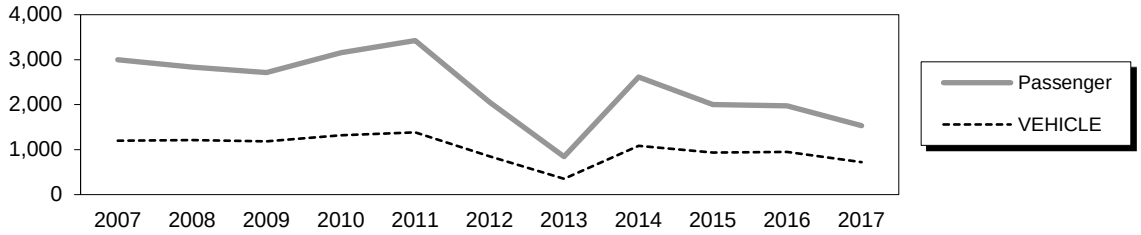

Shelikof Strait
Afognak
Settler Cove
Ouzinkie
Port Lions
Kodiak
Larsen Bay
LOCATION
KODIAK ISLAND
VICINITY MAP
PORT WAKEFIELD
Old dock and trestle (removed)
Access Road/ Staging Area
Fuel & Water Bldgs
Tustumena
New sheet pile dock
KIZHUYAK BAY
0
120'
240'
SCALE IN FEET
GENERAL LAYOUT
PORT LIONS

Port Lions Dock

Owner: City of Port Lions

Contact: Russell Gunderson, Harbormaster 907-454-2477

Terminal Description: The M/V Tustumena docks at Port Lions on its east/west passage between Kodiak and Homer. Port Lions is the second busiest port of call along the southwest route after Kodiak. The Port Lions facility is an earth-filled open-cell sheet pile wharf constructed in summer 2014. The dock has an approximately 214' berthing face with two mooring dolphins along the north end. Access to the dock is via a rubble-mound breakwater. The facility is a multi-purpose dock and could be in use by other vessels when the ferry arrives. AMHS is not in control of the operation or maintenance of this facility. The past 10 years of total passenger and vehicle traffic at Port Lions is shown below. The M/V Tustumena was out of service most of 2013, causing a steep dropoff in traffic at the terminal.



The most recent above water survey was completed on August 11, 2016.

Vessels	
Name	Berthing, Alignment
Tustumena	Starboard

Tidal Data (MLLW=0.0 feet)	
Highest Observed	13.1
MHHW	8.7
MHW	7.8
Lowest Observed	-3.5

Terminal Building
This facility does not have a terminal building.

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

Utilities @ Dock	
Fuel:	No
Electric:	No
Water:	No

Uplands	
Short-Term Parking:	N/A
Long-Term Parking:	N/A
Staging Area:	N/A

City Dock & Approach - #1428	
Year Built:	2014
Dock Structure:	Steel sheet pile bulkhead with
Coating:	Uncoated steel
Fenders:	Pin pile fenders along the face of the dock.
Mooring bollards/cleats:	Bollards along edge of dock; 2 dolphins north of dock
Lighting:	Light posts mounted on dock
Condition:	New
Load Posting Sign:	N/A
Original Design Load:	HS20

Terminal Projects			
Year	**Project #**	**Project Name**	**Description**
1960's	N/A	Port Lions Dock (original timber)	Construct new timber approach trestle and triangular main dock with crab pot holding pens and ice house.
2014	N/A	Port Lions Dock (new PND open cell sheet pile)	Construct new open cell sheet pile bulkhead, berthing fender structures, and dolphins.

Observations

1. The restraining nut is missing on catwalk restraining bolt connections.
2. There are Tek screws missing on the catwalk railing in numerous locations.
3. The small radius of the circular rubber fenders along the dock face doesn't allow for much energy absorption. The top of the rubber ends below the steel mounting hardware, which can potentially damage vessel sponsons. Signs of impact damage should be monitored.
4. Depth to mudline elevations, taken with leadline readings at locations along the fender face in 2016, range from -32 to -35 MLLW.

Inspection Summary		
Structure	Priority	Recommendations
Category I - Safety Issues		
Nothing required		
Category II - Rehabilitation Work		
Catwalks		Install restraining nuts missing on catwalk restraining bolt connections. Install Tek screws that are missing on catwalk railings.
Category III - Upgrades Needed		
Fendering System		Extend the height of the fenders above the top of the dock to keep vessel sponsons from overtopping at high tide.