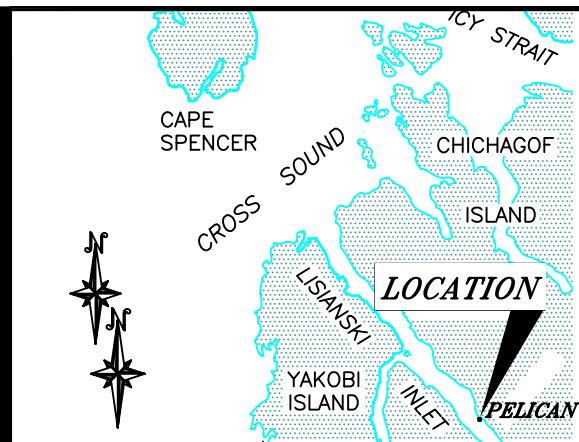
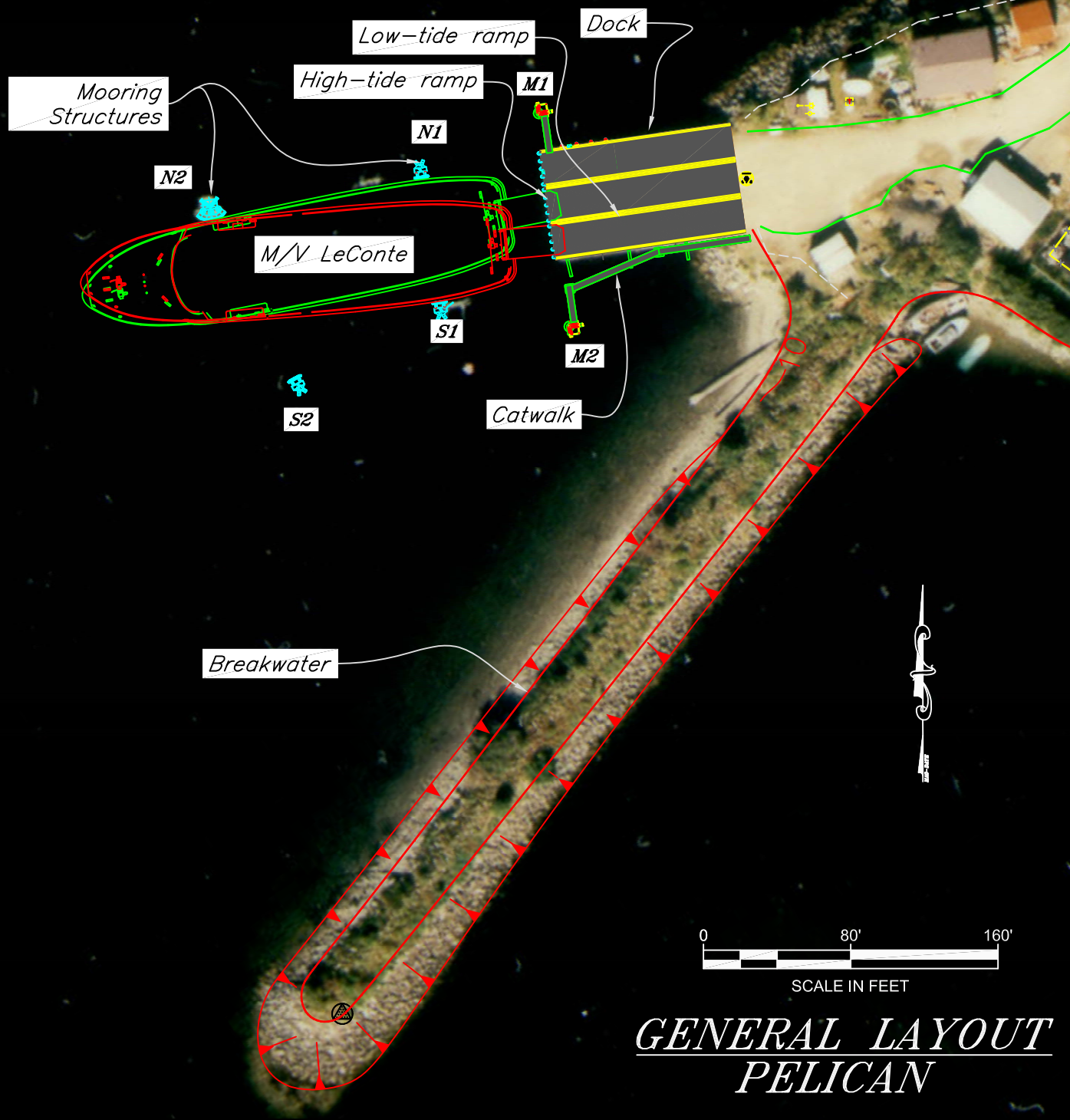


LISIANSKI
INLET

Boat harbor



VICINITY MAP

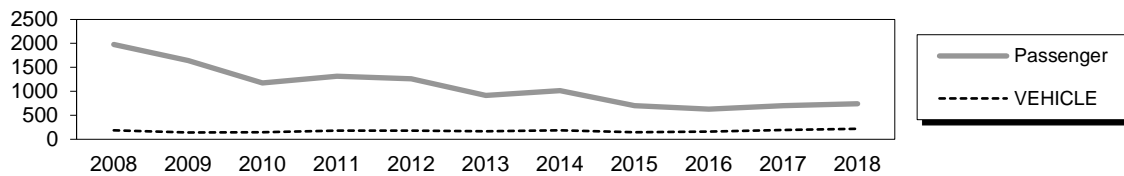


Pelican Ferry Terminal

Owner: City of Pelican

Contact: Simon Bradley, AMHS Terminal Ops Manager (Ketchikan) – 907-228-7290

Terminal Description: This ferry terminal facility is a multi-use tidal ramp and fixed dock facility that accommodates LeConte class vessels, barges, and landing crafts. The original facility was built in 1976, expanded in 1980 and completely removed and replaced in 2012. The ferry terminal is located at the southeast end of the Pelican boat harbor and consists of a fixed platform dock, two tidal ramps, and four mooring structures. The facility is a stern-berth for use by ferries with a stern apron. A rubble mound breakwater to the south provides protection for the berth and adjacent harbor. This facility has neither a terminal building nor a staging area. The City of Pelican owns this facility and the adjacent uplands; however, ADOT has provided primary construction funding and other maintenance related upgrades over the years. AMHS does not have exclusive use of the terminal or control of maintenance at this facility. The terminal is not staffed. City personnel meet the vessel and assist with vessel tie-up. The past 10 years of total passenger and vehicle traffic for Pelican is shown below.



The most recent above water survey was completed on October 10, 2017.

Vessels	
Name	Berthing, Alignment
LeConte	Stern

Tidal Data (MLLW 0.0 feet)	
EHW	14.5
MHHW	10.4
MHW	9.5
ELW	-4.0

Terminal Building
NA

Generator & Building
NA

Utilities @ Dock
NA

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

Dock & Tidal Ramps - #1426	
Type:	3200 s.f. Concrete & Open-grate Steel Panel Dock; 20' x 42' high tide ramp; 20' x 100' low tide ramp
Year Built:	2012
Support:	Vertical & Battered Steel Piles
Steel Coating:	Galvanizing
Fender System:	Timber Pin Piles bolted to steel wale
Anodes:	Yes
Lighting:	None
Condition:	New
Notes:	No navlights
Load Posting Sign:	N/A
Original Design Load:	HL93

Dolphins							
Dolphins	Dolphin Piles	Fender Support	Fender Face	Anodes	Built	Cond.	Notes
N2	2B, 1V	4V	Timber	No	1980	Fair	
N1	2B, 1V	Hanging	UHMW	No	2008	Good	
S1	2B, 1V	Hanging	UHMW	No	2008	Good	
S2	2B, 1V	Hanging	UHMW	No	2008	Good	
M1	2B, 1V	-	Rubber Tires	Yes	2012	New	
M2	2B, 1V	-	Rubber Tires	Yes	2012	New	

LEGEND

V = Vertical Steel Pipe Piling

B = Battered Steel Pipe Piling

Terminal Projects			
Year	Project #	Project Name	Description
1975	533002	City of Pelican - Pelican Dock	Placed in-water fill for uplands extension from shore; constructed original high and low tide ramps (concrete panels supported by steel piles and caps); installed timber breasting and mooring dolphins; installed mooring deadman south of low-tide ramp.
1980	X30097	Pelican Dock Facilities	Extended the length of high & low tide ramps seaward; constructed main dock (north of the original high tide ramp); installed fendering system along dock face; relocated mooring deadman; relocated stern breasting dolphins; constructed new steel pipe pile turning dolphin N2.
1993	75287	Pelican Ferry Terminal	Repaired the existing timber breasting dolphins N1 & S1.
2005	73741-06	Pelican City Dock Rehab. Project	Installed a timber overlay structure on the lower tidal ramp to permit vehicles to transit across the ramp's failing concrete panels.
2008	68731	Pelican Ferry Terminal	Removed the existing timber breasting dolphins and installed two steel pipe pile mooring dolphins and one safety dolphin.
2012	69433	Pelican Ferry Terminal Renovation	Removed and replaced the dock. Also installed two new stern mooring dolphins with access catwalks.

Observations

1. The steel angle that protects the timber abutment backwall is missing screws in several locations.
2. An HSS spacer tube between panels D and E is loose and rocks side to side on the low tide ramp. Further inspection found three out of five bolts that attach the HSS spacer to the stringers below have been pried-off. Also, there is marine growth on the seaward-most concrete deck panels, which creates a slick walking surface. Drag marks from trailer hitches can be seen in the concrete overlay of the low tide ramp deck, but there is no apparent damage.
3. The underside of the deck panels reveal minor efflorescence and water staining, indicating leaks through the grouted keyways.
4. Cathodic potential (CP) readings for the dock support piles & nearby mooring structure average - 0.95V, which indicates the steel piles are adequately protected against corrosion (more negative than - 0.8V).

Inspection Summary		
Structure	Priority	Recommendations
<i>Category I - Safety Issues</i>		
N/A		
<i>Category II - Rehabilitation Work</i>		
Low Tide Ramp	1	Replace missing/loose bolts on HSS tube steel spacer between deck panels D and E on the low tide ramp. Remove marine growth as necessary on concrete deck panels D and E.
Abutment	2	Replace missing screws in the steel angle that protects the timber abutment backwall.
<i>Category III - Upgrades Needed</i>		
N/A		