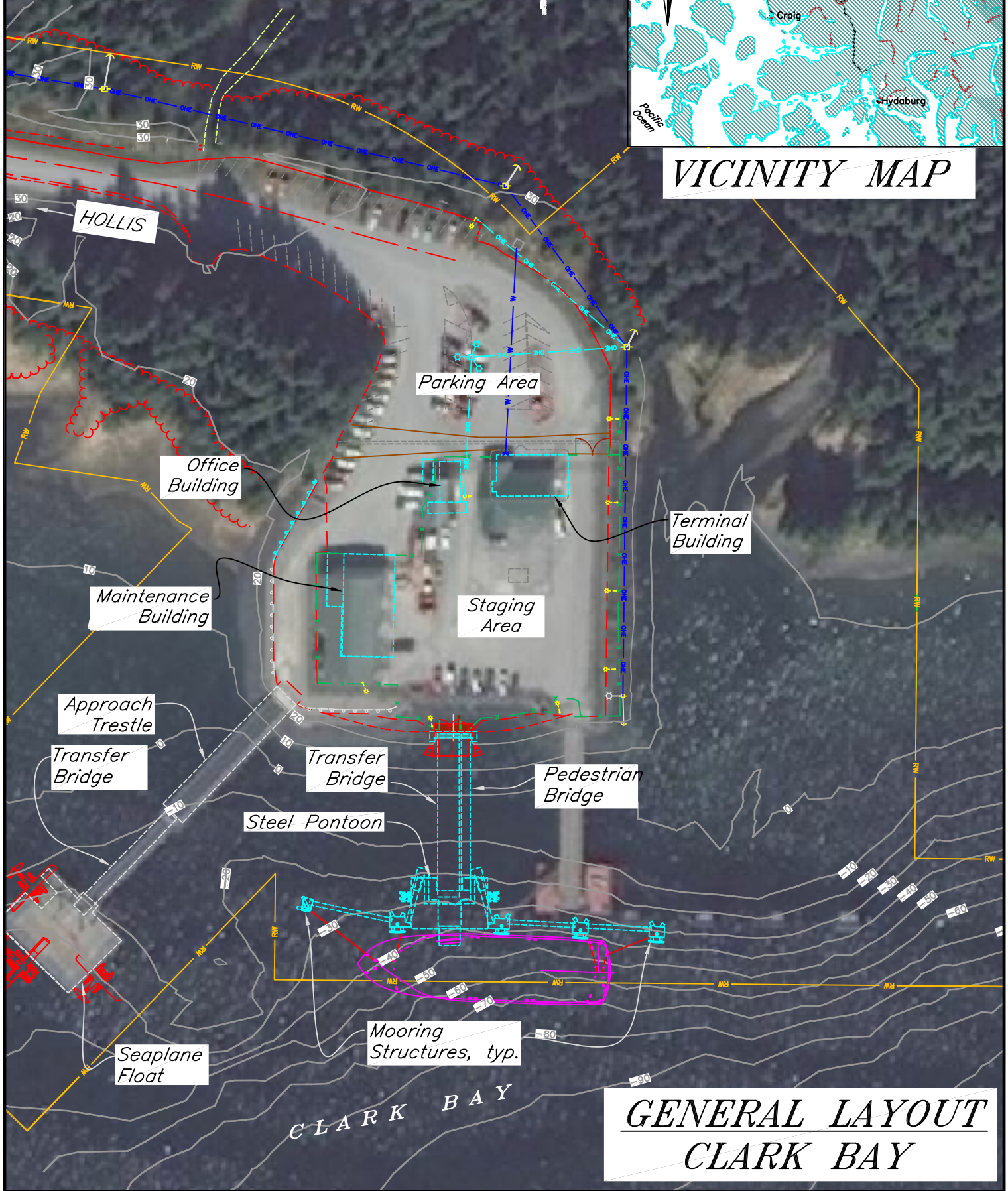


## VICINITY MAP



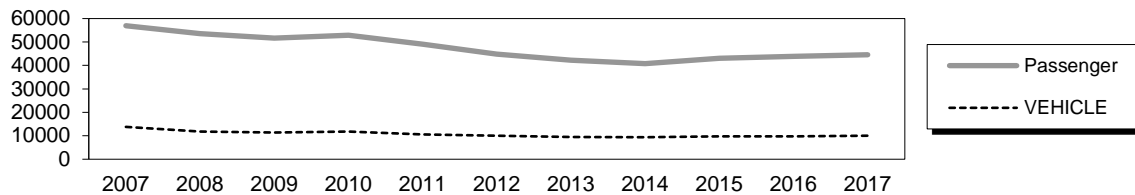
# Clark Bay Ferry Terminal

Mile 31 Hollis-Klawock Hwy.

**Owner:** Inter Island Ferry Authority (IFA)

**Terminal Manager:** Donna Halvorsen – 907-826-4848

**Terminal Description:** Clark Bay Ferry Terminal is a side-berth facility consisting of a transfer bridge, steel support float, and 6 steel mooring dolphins. Uplands include a terminal building, maintenance warehouse, secure (fenced) staging area, paved parking and overhead lighting. The Clark Bay facility links Prince of Wales Island to Ketchikan with ferry service via the InterIsland Ferry Authority (IFA). The IFA has had operation and maintenance responsibility of this ferry terminal since 2002. AMHS provided ferry service prior to 2002. IFA operates one of two vessels to this port, the MV Prince of Wales and the MV Stikine. Total passenger and vehicle traffic counts for the past 10 years at Clark Bay are shown below.



The most recent above water survey was completed on July 25, 2017.

Uplands	
Short-Term Parking:	26 cars, 2 HCP
Long-Term Parking:	14 Cars
Staging Area:	600 lineal feet, 7 lanes
Paint Striping:	Yes
Driving Surface:	Asphalt

Utilities		
	at Terminal	at Ramp
Electrical:	Yes	Yes
Water:	Yes	No
Sewer:	Yes (Septic)	No
Telephone:	Yes	No
Cable TV:	No	No
Fuel:	Yes	No
Wireless Bridge:	No	No

Maintenance Building	
Year Built:	2006
Square Footage:	3,500 s.f.
Heating System:	N/A
Fuel Storage:	N/A
Fire Protection:	N/A
Condition:	New

Vessels	
Name	Berthing, Alignment
Prince of Wales / Stikine / FVF	Starboard

Tidal Data (MLLW 0.0 feet)	
EHW	20.0
MHHW	18.0
MHW	15.0
ELW	-4.0

Terminal Building	
Year Built:	2007
Square Footage:	1,600 s.f.
Heating System:	Toyo Furnace
Fuel Storage:	AST
Fire Protection:	N/A
Condition:	New

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

Vehicle Transfer Bridge - #0182	
Type:	16' x 130' steel multi-girder
Year Built:	2015
Shoreward support:	Concrete abutment
Seaward support:	Steel Support Float
Coating:	Spray metallized w/topcoat
Pedestrian Access:	Concrete 4' wide on bridge
Lighting:	(3) Overhead Light Posts
Condition:	New
Load Posting Sign:	N/A
Original Design Load:	HL93

Bridge Support Float	
Type:	40' x 60' Steel Flexi-float
Year Built:	2015
Ballasted:	Yes
Ramp lift:	Hydraulic/Block & Cable
Apron lift:	Hydraulic/Block & Cable
Anodes:	Yes
Condition:	Float (new); Ramp/apron (fair)

Dolphins							
Dolphins	Dolphin Piles	Fender Support	Fender Face	Anodes	Built	Cond.	Notes
W2	2B, 1V	-	-	Yes	2015	New	
W1	2B, 2V	Chains	UHMW	Yes	2015	New	
E1	2B, 2V	Chains	UHMW	Yes	2015	New	
E2	2B, 2V	Chains	UHMW	Yes	2015	New	
E3	2B, 2V	Chains	UHMW	Yes	2015	New	Red navlight
RW	2B, 1V	-	-	Yes	2015	New	
RE	2B, 1V	-	-	Yes	2015	New	

#### LEGEND

RE = East Float Restraint Structure  
V = Vertical Steel Pipe Piles

B = Battered Steel Pipe Piles  
W = W 14x84 Fender Pile

Catwalks / Gangways								
#	From Struc.	To Struc.	Lenth / Style / Main Members	Built	Safety Restraints	Cond.	Lighting	Notes
C1	W1	W2	66' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jar	
G1	W1	WFP	38' / Gangway / Pipe Truss	1988	No	Good	Jelly Jar	
G2	E1	EFP	38' / Gangway / Pipe Truss	1988	No	Good	Jelly Jar	
C2	E1	E2	53' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jar	
C3	E2	E3	51' / Catwalk / 16"x4" Tube Girders	2015	Yes	New	Jelly Jar	

Terminal Projects			
Year	Project #	Project Name	Description
1975	S-0926(1)	Hollis Ferry Terminal Facility	Constructed new stern-loading facility with uplands fill, timber dock and timber duncan dolphins.
1977	TQS-RS-0926 (2)	Clark Bay Ferry Terminal	Uplands fill for new terminal parking and staging areas. Constructed new steel transfer bridge & cable/hydraulic lift system, and four new steel mooring/fendering structures.
1988	N/A	Clark Bay FT Dolphin Modifications	Installed new steel dolphin, E4.

<b>Terminal Projects (cont'd.)</b>			
<b>Year</b>	<b>Project #</b>	<b>Project Name</b>	<b>Description</b>
1993	N/A	Clark Bay FT Mooring Improvements	Installed new steel dolphin, E5
2004	N/A	IFA - Clark Bay FT Improvements	Re-painted transfer bridge, repaired bridge abutment upgraded utilites to bridge and lighting on uplands.
2006	N/A	IFA - Clark Bay Terminal Building and Maintenance Shop	Constructed new terminal building and maintenance shop, including secure staging and security upgrades.
2015	67449	Clark Bay Ferry Terminal Improvements	Constructed new transfer bridge & float, 4 new mooring structures in a new re-aligned location, away from the accreting riverbed.

### Observations

1. The facility was re-built completely in 2015.
2. The uplands paved area near the bridge does not drain well; puddles form within 100-feet of the head of the bridge.
3. The transition plate at the head of the bridge is convexly curved and is a break-over obstacle for vehicle undercarriages during low tide vessel transfer.
4. The existing parking lot is under-sized for the needs of the community. Currently vehicles park along the road approaching the terminal after the main lot is full.

<b>Inspection Summary</b>		
<b>Structure</b>	<b>Priority</b>	<b>Recommendations</b>
<i>Category I - Safety Repairs</i>		
No safety repairs needed		
<i>Category II - Rehabilitation Work</i>		
Transfer Bridge	1	Replace the convexly curved transition plate with a flat plate and the approach slab with a recessed slab to improve clearance for vehicles transferring at low tide.
Staging Area	2	Re-grade the paved area of the staging area near the bridge to drain properly.
<i>Category III - Upgrades Needed</i>		
Parking Lot	3	Expand the parking lot by 100% in surface area to increase parking capacity.

### Project #SFHWY00005 – Clark Bay Ferry Terminal & Seaplane Float Expanded Parking:

This project will construct a new uplands fill area for expanded parking, replace the bridge transition plate and concrete approach slab, re-grade the pavement in front of the bridge to properly drain, and misc. electrical work. The project was recently awarded for construction to Southeast Road Builders and will commence during the spring/summer of 2018.