

**2004 Inventory of Existing Barge and Landing Craft Sites
November 18, 2004**

An inventory of existing landing sites throughout San Juan County is complete. The inventory identifies all sites (beaches, modified beaches and ramps) known to exist for landings of a barge or other landing craft vessels 60' in length and larger. There are 96 documented sites throughout all of the San Juan Islands. The table below shows, for each District, the number of sites on each island.

<u>District 1 (36 sites)</u>	<u>District 2 (30 sites)</u>	<u>District 3 (30 sites)</u>
Brown (1)	Barnes (1)	Blakely (7)
Dinner (1)	Bell (1)	Blind (1)
Henry (11)	Clark (1)	Center (1)
Johns (6)	Coon (1)	Decatur (9)
Pearl (1)	Crane (2)	Frost (1)
Posey (1)	Doe (1)	James (1)
San Juan (7)	Double (1)	Lopez (6)
Spieden (1)	Fawn (1)	Shaw (3)
Stuart (6)	Jones (1)	Trump (1)
Turn (1)	Matia (1)	
	McConnell (1)	
	Obstruction (2)	
	Orcas (11)	
	Patos (1)	
	Sucia (1)	
	Waldron (3)	

Inventory Methodology

The inventory process involved several steps to identify where existing landing sites are located and other information about ownership, permits, and use of the site for landing activity.

- **Historic Lists.** Review of historical lists, maps, and interview notes were used to create an initial list of existing sites.
- **Field verification and photographs.** Field reconnaissance of existing sites also revealed the location of new sites.
- **Public Notice about the Preliminary List of Existing Sites.** In February, a preliminary list was released for public review. Additional existing sites were identified and subsequently added to the inventory.
- **County GIS Database.** The GIS system was used to identify the precise location of the site as well as review relevant data layers, including parcel numbers, land use designations, aerial photos, forage fish survey data, etc.
- **County Assessor's Data.** This helped to identify the property owner's name and address.
- **Surveys.** The owners (or representatives) were sent a survey to provide information about the how existing sites are used.
- **Permit Files.** Information about existing permits for ramps or exemptions were collected from card files and archived permit files.

Maps

All of the existing sites have been added to the County's GIS database so that both large presentation maps (32" x 40") and small, document size maps can be prepared. The maps show the location and classification of each site and other relevant shoreline features including shoreline designations and the locations of eelgrass habitat and forage fish spawn areas.

Inventory Details

A compilation all of the information submitted or collected about each site is contained in a database. It includes the site's identification number; island, district, classification; owner and parcel number; type of improvements; permits; access to roads; number of lots served; frequency of use; type of vessel use; types of cargo; land and shoreline designations; presence of forage fish spawn and/or eelgrass; risk assessment by WDFW (for some sites); cultural/archaeological information (for some sites) and a photo reference number. Once the inventory is complete, a spreadsheet will be available for public review.

Inventory Files

A separate file is set up for each site that includes all information collected in relation to the inventory. The file includes inventory forms, letters and/or survey responses submitted by property owners or their representative; photos; and a GIS map showing the location, parcel data, aerial photo and forage fish habitat areas.

Classification of Sites

The most important feature of the inventory is the classification of the landing site. Each existing landing site is classified as either Class A, B, C or D as described in the propose code amendment section 18.50.340 (H)(1). The classification is the best way to categorize the typical pattern of landing activity at the site. It can also be used as a measure of on-going landing activity and to regulate future intensification at the site. The factors influencing the classification include the following:

1. frequency of landings (how often landings typically occur),
2. number of users at the site (single users, limited users, unlimited users) and

Class A - Developed Public and Commercial Sites

Existing Class A sites (12 sites):

<u>Id</u>	<u>Island</u>	<u>Common Name</u>	<u>Owner</u>
De-A-1	Decatur	Decatur Ramp, Davis Bay	San Juan County
Lo-A-1	Lopez	Hunter Bay Ramp	San Juan County
Lo-A-2	Lopez	Mackaye Harbor Ramp	San Juan County
Or-A-1	Orcas	Obstruction Bay Ramp	San Juan County
Or-A-2	Orcas	Cayou Quay (Deer Harbor)	Carlson, Sandell, MacBryer, Carpenter
Or-A-3	Orcas	White Beach (Westsound)	Charles Clauson
Or-A-4	Orcas	Deer Harbor Boatworks	Micheal Durland
SJ-A-1	San Juan	Jensen, Shipyard Cove	Albert Jensen & Sons, Inc.
SJ-A-2	San Juan	Roche Harbor	New Roche Harbor LLC
St-A-1	Stuart	Reid Harbor Road End	San Juan County
St-A-2	Stuart	Prevost Marine Facility	San Juan County
Wa-A-1	Waldron	Cowlitz Bay Road End Near Dock	San Juan County

Class B - Joint-Use, Community and Restricted Public Sites

Existing Class B sites (38 sites):

<u>Id</u>	<u>Island</u>	<u>Common Name</u>	<u>Owner</u>
Bl-B-1	Blakely	Blakely Marina	Blakely Island Trust
Br-B-1	Brown	Brown	Friday Island Homeowners
Ce-B-1	Center	Center Island	Center Island Beach Club
Cr-B-1	Crane	North Side	Crane Island Assn.
Cr-B-2	Crane	Near Community Dock	Crane Island Assn.
De-B-1	Decatur	Sylvan Cove	Decatur Northwest
De-B-2	Decatur	North of Reeds Bay	Decatur Shores Comm
De-B-3	Decatur	Reed Harbor Bay - Shipyard	Morris Jones
De-B-4	Decatur	Decatur - Northeast	David Groff and Roslyn Solomon
Fr-B-1	Frost	Frost	Frederick Voorhees
He-B-1	Henry	Kings Ransome Cove North	Kings Ransome Cove LLC
He-B-2	Henry	Kings Ransome Cove South	Kings Ransome Cove LLC
He-B-3	Henry	Big Henry - Nelson Bay	Harmony Trust
He-B-4	Henry	Big Henry Nelson Bay	Henry Island Enclave, LLC
He-B-5	Henry	Isthmus, Open Bay	Henry Island Enclave, LLC
He-B-6	Henry	Little Henry - Mosquito Pass	Maura O'Neill
He-B-7	Henry	Little Henry - South	Perelandra LLC
Joh-B-1	Johns	John's Island Community Access	Lot Owners of Scofields Plat
Lo-B-1	Lopez	Odlin Park Ramp	San Juan County
Lo-B-2	Lopez	Weeks Road End	San Juan County
Lo-B-3	Lopez	Fisherman's Bay IMC	Ron Meng
Lo-B-4	Lopez	Port Stanley Road End	San Juan County
Ob-B-1	Obstruction	Obstruction/West	Obstruction Island Club
Or-B-1	Orcas	Smuggler's Villa (North Beach)	Smuggler's Villa Homeowners Assn.
Or-B-2	Orcas	North Beach Road End	San Juan County
Or-B-3	Orcas	Bartwood Lodge	Parker Reef Condos
Or-B-4	Orcas	Sea Acres (S. of Lawrence Pt.)	Sea Acres Lot Owners
Or-B-5	Orcas	Rosario (Eastsound)	Oly Rose, LLC
Or-B-6	Orcas	Jack & Jill Road	San Juan County
Or-B-7	Orcas	West Beach Resort	Hance Family, LLC
Pe-B-1	Pearl	By the Eastern Dock	Philip Mayer Trust
SJ-B-1	San Juan	Snug Harbor - Mitchell Bay	Snug Harbor Resort
SJ-B-2	San Juan	South Beach, Picketts Lane Road End	San Juan County
SJ-B-3	San Juan	San Juan County Park - Small Pox Bay	San Juan County
Sh-B-1	Shaw	Harbor Way Road End (Neck Point)	San Juan County
St-B-1	Stuart	John's Pass, Airway Ramp	Stuart Island Airway Park
St-B-2	Stuart	Gund Ramp	George Gund
St-B-3	Stuart	The Cove	The Cove at Stuart Is. Assn.

Class C - Individual Property Owner Sites and Park Lands
Existing Class C Sites (42 sites)

<u>Id</u>	<u>Island</u>	<u>Common Name</u>	<u>Owner</u>
Ba-C-1	Barnes	Barnes	Charles and Diane Bundrant
Be-C-1	Bell	Bell Island/South	Steven and Erica Gerlicher
Bl-C-1	Blakely	End of Airstrip	Blakely Is. Maint. Comm.
Bl-C-2	Blakely	Blakely South	Sigmund Rogich
Bl-C-3	Blakely	Thatcher Bay	Tom Crowley
Bl-C-4	Blakely	Blakely West	Lindy Springmeyer
Bl-C-5	Blakely	Armitage	H. Jon Runstad
Bli-C-1	Blind	Blind	US Government
Cl-C-1	Clark	Clark	State of Washington
Co-C-1	Coon	Coon	Malcomb Goodfellow
De-C-1	Decatur	Reed Harbor Bay	Jacqueline Necco
De-C-2	Decatur	Decatur – South	Warren Odegard
De-C-3	Decatur	Decatur – South	Lynne Saad
De-C-4	Decatur	Decatur – South	Robert Mucklestone/Megan Kruse
Di-C-1	Dinner	Dinner Island	Dinner Island Properties, LLC
Doe-C-1	Doe	Doe	State of Washington
Dou-C-1	Double	Big Double	Double, LLC
Fa-C-1	Fawn	Fawn	GE BE Trust
He-C-1	Henry	Big Henry McKracken Point	Craig and Julie Tall
He-C-2	Henry	Big Henry - North	Arthur Snyder
He-C-3	Henry	Big Henry - Haro Strait	Henry Island Associates
He-C-4	Henry	Big Henry Nelson Bay	Henry Island Associates
Ja-C-1	James	James	State of Washington
Joh-C-1	Johns	Nell's Landing (Camp Norwester)	Henderson Norwester Camp
Joh-C-2	Johns	Scofields Lot 1, Block 3	Wilson Harmon Jones
Joh-C-3	Johns	Scofields Lot 2, Block 1	Gary Bolton
Joh-C-4	Johns	Scofields Lot 5, Block 1	James Syck
Joh-C-5	Johns	Scofields - Lot 2, Block 3	Sanford
Jon-C-1	Jones	Jones	US Government
Ma-C-1	Matia	Matia	US Government
Mc-C-1	McConnell	McConnell	Thompson McConnell
Ob-C-1	Obstruction	North Dock	Kurt Volker
Pa-C-1	Patos	Patos	US Government
Po-C-1	Posey	Posey	US Government
SJ-C-1	San Juan	Griffin Bay - LaFarge Gravel Pit	Friday Harbor Sand and Gravel
Sh-C-1	Shaw	Northeast	Shaw Island Trust
Sp-C-1	Spieden	Southeast End	Under the Radar, Inc
St-C-1	Stuart	Stuart Island State Park	State Lands
Su-C-1	Sucia	Sucia	State of Washington
Tr-C-1	Trump	Trump – Northwest	Trump Island, LLC
Tu-C-1	Turn	Turn	US Government
Wa-C-1	Waldron	Chevalier	Graignic Beach Trust

Class D - Other Sites

Existing Class D Sites (4 sites)

<u>Id</u>	<u>Island</u>	<u>Common Name</u>	<u>Owner</u>
Bl-D-1	Blakely	Thatcher Bay (Log Dump)	Tom Crowley
SJ-D-1	San Juan	Jackson Beach Park (Recreational Use Only)	Port of Friday Harbor
Sh-D-1	Shaw	South Beach Park, Indian Cove Ramp (Recreational Use Only)	San Juan County
Wa-D-1	Waldron	Mail Bay (Carlson Log Dump)	William Carlson

Excluded Sites

The following sites were not included in the inventory because of previous decision preventing or restricting the establishment of a landing site.

- Eklund/Hart property - Henry Island
- Walton property - Henry Island

Attachments

- Detailed Inventory Spreadsheet
- Maps

Sjc-current/2004inventorybargenov182004.doc

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(Sorted by District)

ID	Island	Dist	Class	Owner	Common Name	RMPRC	Improvements	Permits	Access	Days Served	Frequency	Vessel/Use	Cargo Types	Land Use Designation	Fortification	WDFW Risk	Cultural	Inventory/Submitted
Br-B-1	Brown	1	B	Friday Island Homeowners	Brown	36125006000	Beach	Unknown	Priv. Rd.	80	Daily (summer) weekly	LC-82Z	Res. Supply	RR	EG			Submitted by Steve Duncan, Cazalaker.
DI-C-1	Dinner	1	C	Dinner Island Properties, LLC or Mazuri Yacht	Dinner Island	3822434001000	Beach	Unknown	No Road	1				C	N			Submitted by Dan Ward
He-B-1	Henry	1	B	Kings Ransome Cove LLC	Big Henry - Kings Ransome Cove North	401550017000	Modified Beach	No. c. 1940	Priv. Rd	40	Weekly	LC-82Z	All Types	RFF	C		OAHP#455J45	Submitted by Stephanie Johnson O'Day, constructed circa 1940, primarily used to serve north end of Big Henry.
He-B-2	Henry	1	B	Kings Ransome Cove LLC	Big Henry - Kings Ransome Cove South	401550014000	Ramp	No. c. 1940	Priv. Rd.	10	As needed, 4-monthly	LC-82Z	All Types	RFF	C		OAHP#455J45	Submitted by Stephanie Johnson O'Day. Used for logging since the 1940's. Periodically used for heavy construction for adjacent areas.
He-B-3	Henry	1	B	Harmony Trust	Big Henry - Nelson Bay	401550017000	Ramp	No. 1970	Priv. Rd	40	Weekly	LC-7Z	Res. Supply, Fuel, Passenger/Vehicles	RFF	C		OAHP#455J44	Submitted by Stephanie Johnson O'Day. Used since 1970, primarily used to serve neighborhood. For construction related material movement.
He-B-4	Henry	1	B	Henry Island Enclave, LLC - Kip end Barbara Smith	Big Henry Nelson Bay	402234004000	Beach	No	Priv. Rd.	6	Monthly	LC-82Z	All Types	RFF	CN		OAHP#455J46, Saanach Songlets East 7625	Submitted by Margaret Suman and Kip Smith
He-B-5	Henry	1	B	Henry Island Enclave, LLC - Kip end Barbara Smith	Henry Island Enclave, Open Bay	402232004000	Beach	No	Priv. Rd.	7	Monthly	LC-82Z	All Types	RFF	C		OAHP#455J207	Submitted by Margaret Suman and Kip Smith
He-B-6	Henry	1	B	Maura O'Neil	Little Henry - Mosquito Pass	402712001000	Modified Beach	No. c. 1984	Priv. Rd	30	Weekly	LC-7Z/R6c.	Res. Supply	RR	C		OAHP#455J41	Submitted by Elic and Christine Scall and O'Day. Legal easement for SE Henry on Mosquito Pass (at isthmus).
He-B-7	Henry	1	B	Pembando LLC	Little Henry - South	402742006000	Modified Beach	No. c. 1940	No	4	Monthly	LC-7Z	Res. Supply	RR	C			Submitted by Stephanie Johnson O'Day. In use for many years, nearby cabin built in 1940s.
He-C-1	Henry	1	C	Craig and Julie Tall	Big Henry MacKracken Point	401612002000	Ramp	USNMPD1	No	1	Weekly for construction (rain monthly)	LC-82Z	Res. Supply, Const.Mat.	RFF	C			Submitted by Stephanie Johnson O'Day. Evidence of use of this site since 1920s.
He-C-2	Henry	1	C	Arthur Snyder Associates	Big Henry - North	401613006000	Beach	Unknown	No	1	Monthly	LC-82Z	Res. Supply	RFF	C			Submitted by Arthur Snyder
He-C-3	Henry	1	C	Henry Island Associates	Big Henry - Haro Strait	402222001000	Beach	Unknown	No	1	Monthly	LC-82Z	Res. Supply	RFF	C			Submitted by Lyman Hull
He-C-4	Henry	1	C	Henry Island Associates	Big Henry Nelson Bay	402222001000	Beach	No	Priv. Rd	110	Weekly	LC-82Z	All Types	RFF	C			Submitted by Lyman Hull
John-B-1	Johns	1	B	Lot Owners of Scofield's Plat	John's Island Community Access	473610200000	Beach	No	Priv. Rd	1	Weekly	LC-82Z	Const. Sand/Gravel, Fuel, Passenger	RR	RFF		OAHP#455J71	Submitted by Julie Curley. Ramp at the end of access road. Used for over 40 years.
John-C-1	Johns	1	C	Henderson Narveslar Camp	Narfa Landing (Camp Narveslar)	472643008000	Modified Beach	Unknown	Priv. Rd	1	Weekly	LC-82Z, 18F	Const. Sand/Gravel, Fuel, Passenger	RFF	C			Submitted by Paul Hendrickson.
John-C-2	Johns	1	C	Wilson Hammon Jones	Scofield's Plat 1, Block 3	4736015001000	Beach	No	No	1	Weekly	LC-7Z	Res. Supply, Passenger	RR	RFF			Submitted by Wilson Hammon Jones. Site used for over 35 years.

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 (Sorted by District)

Id	Island	District	Class	Owner	Comment/Name	EAIR/RC	Improve/Grants	Permits	Road/Access	Bus/Service	Freq/Use	Vessels/Use	Cargo/Types	Land Use/Design	Store/In/On/Off	Forage/In/On/Off	WD/WRisk	CU/Arch	Inventory/Submittal
Joh-C-3	Johns	1	C	Gary Bolton	Scotfields Lot 2, Block 1	479650102000	Beach	No	No	1	Weekly	LC-92Z, Rec.	Res Supply	RR	RFF	EG			Submitted by Gary Bolton. Owner and user of title since 1978. Site used since 1981 when pelleted for river. 40 years. Submitted by James Syck. Used for river. 40 years. Submitted by Peter Sanford.
Joh-C-4	Johns	1	G	James Syck	Scotfields Lot 5, Block 1	473650105000	Beach	No	No	1	Monthly	LC-92Z	Res. Supply	RR	RFF	EG			Submitted by James Syck. Used for river. 40 years. Submitted by Peter Sanford.
Joh-C-5	Johns	1	C	Sanford	Scotfields - Lot 2, Block 3	473651302000	Beach	No	No	1	2/year	LC-92Z	Res. Supply	RR	RFF	EG			Submitted by James Syck. Used for river. 40 years. Submitted by Peter Sanford.
Pa-B-1	Pearl	1	B	Philip Mayer Trust	By the Eastern Dock	481454001000	Beach							RR	RR	EG			No response to survey.
Pa-C-1	Pearl	1	C	US Government	Pearl	481423601000	Beach	No	No	N/A	Daily/Weekly (Summer), Weekly (Winter)	LC-92Z	Park Maint.	N	N	EG			Submitted by Chris Regan, State Parks
SJ-A-1	San Juan	1	A	Albert Jensen & Sons, LLC	Jensen, Shipped Cars	3573411003000	Ramp	Unknown	Turn Pl	N/A	Daily	LC-92Z, T/B - Fuel, Consur.	Fuel, Consur.	RI	U		Modereis Risk		Submitted by Jensen.
SJ-A-2	San Juan	1	A	New Rocha Harbor LLC	Rocha Harbor	462311001000	Ramp	93XMP083	County Rd	Commercial	Daily	LC-92Z T/B (500 km)	All Types	MPR	U		Moderate Risk	OAH#P#455J06	Data from 2003 PW Water Access Use Table. Key Trms. Link for Henry, Pearl, Stuart, Johns, Wadcott.
SJ-B-1	San Juan	1	B	Snug Harbor Resort	Snug Harbor - Mitchell Bay	463632001000	Ramp		County Rd.	N/A	Yearly	T/B 168'	House Relocation	RR	RR/C				No response to survey.
SJ-B-2	San Juan	1	B	San Juan County	Snug Beach, Phebe's Lane Road End		Beach	No	County Rd.					C	C	EG			Submitted by Jeanneth Baumann. Site hasn't been used for years. No longer allowed by Nat. Parks. Submitted by Don Wutarrow, County Parks
SJ-B-3	San Juan	1	B	San Juan County	San Juan County Park - Small Pox Bay	4511811001000	Ramp	1897	Sl. Park Dr.	N/A	<Monthly	LC-92Z	Primary Rec. Boats	C	R	EG			Submitted by Don Wutarrow, County Parks
SJ-C-1	San Juan	1	C	Friday Harbor Sand and Gravel	Griffin Bay - LaFarge Sand and Gravel Pit	352412001000	Beach	8/28/87 - 8/7XMP086 8/13/00 - 50XMP083	County Rd	1					RR	RFF		OAH#P#455J07	No response to survey. Previous owner statement indicates to public use allowed.
SJ-D-1	San Juan	1	D	Port of Friday Harbor	Jackson Beach	352421003000	Ramp		County Rd.	N/A		Recreation	Recreational	RR	NC	EG			Ramp for recreation boat launch only.
St-C-1	Stuarts	1	C	Under the Radar, Inc	Southwest End	380844001000	Ramp	Yes, 1983	County Rd	Public	Daily	LC-92Z, No barge	All Types	C	RFF				No response to survey. Data from 2003 PW Water Access Use Table. Also submitted by Jeanneth Baumann, PW.
St-A-1	Stuarts	1	A	San Juan County	Reed Harbor Road End		Ramp		County Rd					C	C				Submitted by Jeanneth Baumann. This is adjacent to County Dock at Prevost. Contact Owner, Update Inventory.
St-A-2	Stuarts	1	A	San Juan County/Of Erikson	Next to Prevost Dock		Beach	No	No	1	Monthly			RFF	RFF	EG		OAH#P#455J04	Submitted by Jeanneth Baumann. This is adjacent to County Dock at Prevost. Contact Owner, Update Inventory.
St-B-1	Stuarts	1	B	Stuart Island Alway Park	John's Pass, Alway Park	472741001000	Modified Beach	Unknown, c. 1953	Priv. Rd	118	Monthly	LC-92Z	All Types	RR	C	EG, SS			Submitted by Christina Renquist in use since the mid-1980s.
St-B-2	Stuarts	1	B	Georgia Gund - Access	Gund Ramp	472741005000	Ramp	Unknown, c. 1955	Priv. Rd	120	Daily	LC-92Z	All Types	RR	RFF	EG		OAH#P#455J04	Submitted by Georgia Gund

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St-B-3	Stuart	1	B	The Cove at Stuart Is. Assoc.	The Cove	479430010000	Modified Beach	DNR aquatic lands lease 20-11-1980	Priv. Rd.	0	2-4 X Year	LC-8Z	Res. Supply, Passenger	RFF				Submitted by Lisa Lamb and by Sarah Richardson
St-C-1	Stuart	1	C	State Lands	Stuart Island State Park		Beach	No	No	N/A	Daily/Weekly (Summer, Monthly (Winter))	LC-2B	Park Maint	C				Submitted by Chris Regan, State Parks
Tu-C-1	Turn	1	C	US Government	Turn	251722001000	Beach	No	No	N/A	Daily/Weekly (Summer, Monthly (Winter))	LC-2B	Park Maint	N	EG			Submitted by Chris Regan, State Parks
Be-C-1	Barnes	2	C	Charles and Diane Burnett	Barnes	171411001000	Beach	No	No	1	Monthly	LC-8Z	Res. Supply, Passenger	C	N			Submitted by Diane Burnett
Be-C-4	Bell	2	C	Shawn and Erica Gaffney	Bell Island/South	202024001000	Ramp	Unknown	No	1	Monthly	LC-8Z	Res. Supply	C				Submitted by Steve Gaffney
Cr-C-1	Clerk	2	C	State of Washington	Clerk	171234001000	Beach	No	No	N/A	Daily/Weekly (Summer, Monthly (Winter))	LC-2B	Park Maint	C	N	EG		Submitted by Chris Regan, State Parks
Co-C-1	Coon	2	C	Malcomb Goodfellow	Coon	302413001000	Beach	No	No	1	Monthly	LC-8Z	Res. Supply, Constr.	C	EG			Submitted by Malcomb Goodfellow
Cr-B-1	Crane	2	B	Crane Island Assn	North Side	201950071000	Ramp	Unknown, over 20 years old	Priv. Rd	40	Weekly	LC-8Z	All Types	RR	RFF			Submitted by Tom Temple, Crane Island Assoc.
Cr-B-2	Crane	2	B	Crane Island Assoc.	Near Community Dock	201950071000	Modified Beach	Unknown, over 20 years old	Priv. Rd	40	Weekly	Rec. Beats	Rec. Beats	RR	RFF			Submitted by Tom Temple, Crane Island Assoc.
Doe-C-1	Doe	2	C	State of Washington	Doe	100230001000	Beach	No	No	N/A	Weekly			C	EG			Submitted by Chris Regan, State Parks
Dou-C-1	Double Fern	2	C	Double, LLC	Big Double	201742001000	Beach	No	N/A	1	Weekly	LC-8Z	Res. Supply	C				Submitted by Michael Brown
Jan-C-1	Jones	2	C	US Government	Jones	301421001000	Beach	No	No	N/A	Monthly	LC-2B	Park Maint	N	N	EG		No response to survey. Submitted by Chris Regan, State Parks
Ma-C-1	Malia	2	C	US Government	Malia	103211001000	Beach	No	No	N/A	Daily/Weekly (Summer, Monthly (Winter))	LC-2B	Park Maint	C	N	EG		Submitted by Chris Regan, State Parks
Mc-C-1	McConnell	2	C	Thompson McConnell	McConnell	302424003000	Beach	No	No	1	Yearly	LC-8Z	Res. Supply	C	EG			Submitted by John S. Thompson
Ob-B-1	Obstruction	2	B	Obstruction Island Club	Obstruction/West	102150050000	Beach	No	Priv. Rd	40	Weekly	LC-8Z, Rec. Water	All Types	RR	C			Submitted by Deborah Holman and by Lyndie Sankhoo
Ob-C-1	Obstruction	2	C	Kurt Volter	North Dock	102150020000	Beach	No	Priv. Rd	1	Monthly	Rec/Water Test	Res. Supply	RR	C			Submitted by Kurt Volter
Or-A-1	Orca	2	A	San Juan County	Obstruction Bay Ramp	101600110000	Ramp	1983, 2004 creelery	County Rd.	N/A	Daily	LC-8Z, TR-1B57	All Types	RFF	R	EG		Submitted by Joanneth Baumann, FW
Or-A-2	Orca	2	A	Carlson, Sendell, Mastinger, Carpenter	Coyot Quay (Dear Harbor)	200720120000	Ramp	Yes, 1978	Channel Rd.	Commercial Use	Weekly	LC-8Z	All Types	ACT	C			Submitted by Norman Carpenter.

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ID	Island	Dist	Class	Owner	Common Name	RMPFC	Improvements	Permits	Road Access	Lots Served	Freq Use	Vessel Use	Comp Types	Land Use Designation	Forage Fish	WDFW Risk	Guilch	Inventory Submitted	
Or-A-3	Orca	2	A	Charles Clauson	White Beach (West Sound)	260812001000	Ramp	1940s	Pl. Rd.	N/A	Weekly	LC-92, TB 185	All Types	RFF R	EG	High Risk	OAH#455J232, Lummi Samish border clam beds	Submitted by Frank Rouleau	
Or-A-4	Orca	2	A	Michael Durland	Deer Harbor Boatworks	260724003000	Remp	Yes, 1987	Chimney Rd	Commercial	Monthly	LC-72	Res. Supply	ACT C				Submitted by Michael Durland. Difficult for craft over 40' No response to survey.	
Or-B-1	Orca	2	B	Smuggler's Villa Partnerships Assn.	Smuggler's Villa (North Beach)	271113001000	Beach	No	County Rd.	N/A	Yearly	TB 185	House relocation	UGA ESR	EG			Submitted by Joannuth Baumann, FW	
Or-B-2	Orca	2	B	San Juan County	North Beach Road End	271253029000	Ramp	Unknown	County Rd.	N/A	Weekly	Recreational	Passengers	UGA EM	EG			Submitted by Shelley Sides, Sides Family Trust	
Or-B-3	Orca	2	B	Parter Reef Condos	Berkeley Lodge	271253029000	Ramp	Unknown	County Rd.	N/A	Weekly	Recreational	Passengers	ESR RR				No response to survey.	
Or-B-4	Orca	2	B	Sea Acres Lot Owners	Sea Acres (S. of Lawrence Pt.)	173651015000								RR					No response to survey.
Or-B-5	Orca	2	B	Oly Ross, LLC	Sea Acres (East Sound)	100021001000								MFR R			OAH#455J, Lummi Helibut fishery, Lummi village	No response to survey.	
Or-B-6	Orca	2	B	San Juan County	Jack & Jill Road		Beach	No	County Rd.	N/A	Yearly	TB 185	House relocations	ACT U	EG			Submitted by Joannuth Baumann, FW	
Or-B-7	Orca	2	B	Hance Family, LLC	West Beach Resort	272121005000	Ramp	Unknown, c. 1950s	Waterfront Wgy		Weekly	Recreational		MFR R	EG			Submitted by Steve Hance	
Pa-C-1	Paloe	2	C	US Government	Peas	261614001000	Beach	No	No	N/A	Daily/Weekly (Summer), Monthly (Winter)	LC-28	Park Maint.	C N	EG			Submitted by Chris Regan, State Parks	
Su-C-1	Sudra	2	C	Sista of Westington	Suda	282350001000	Beach	No	No	N/A	Daily/Weekly (Summer), Monthly (Winter)	LC-28	Park Maint.	C CN	EG			Submitted by Chris Regan, State Parks. Six locations on Sudra.	
Wa-A-1	Waldron	2	A	San Juan County	Cowitz Bay Road	372312002000	Beach	No	County Rd.	N/A	Weekly	LC-92	All Types	RFF RFF	EG, SS	High Risk	OAH#455J,60	Submitted by Joannuth Baumann, FW	
Wa-C-1	Waldron	2	C	Grainic Beach Trust	Grainic Beach	371113007000	Beach	No	County Rd.	1	Weekly	LC-92	Res. Supply, Passengers	RFF N	EG		OAH#455J,645, Lummi reef fish	Submitted by EW Chevalier	
Wa-D-1	Waldron	2	D	William Carston	Mall Bay (Carston)	371311002000	Beach	87CUP024 Log Transfer	Priv. Rd	1	Weekly/Monthly	LC-92	All Types	RFF C/N	EG		OAH#455J,62	Submitted by Stephanie Johnson O'Day.	
Bl-B-1	Blakely	3	B	Blakely Island Trust	Blakely Marina	162812003000	Ramp	Unknown, c. 1955	Priv. Rd.	160	Weekly	LC-92	All Types	RG R	EG	Low Risk	OAH# 455J,141	Submitted by Tom Crowley, Jr.	
Bl-C-1	Blakely	3	C	Blakely Is. Maint. Comm.	Entr of Alutop	162812003000	Beach	No	No	1	Weekly	LC-92	Res. Supply, Comm., Passengers	RR RR	EG			No response to survey.	
Bl-C-2	Blakely	3	C	Sigmund Rogden	Blakely South	102650105000	Beach	No	No	1	Weekly	LC-92	Res. Supply, Comm., Passengers	RR C	EG			Submitted by Lindy Springmeyer, Regular delivery of essential materials for several decades.	
Bl-C-3	Blakely	3	C	Tom Crowley	Thatcher Bay	150413001000	Modified Beach	Unknown			Monthly	LC-92	Res. Supply, Comm., Passengers	RFF RR	EG			Submitted by Tom Crowley, Jr.	
Bl-C-4	Blakely	3	C	Lindy Springmeyer	Blakely West	150812001000	Beach	No	No	1	Monthly	LC-92	Res. Supply, Comm., Passengers	RFF C	EG			Submitted by Lindy Springmeyer.	

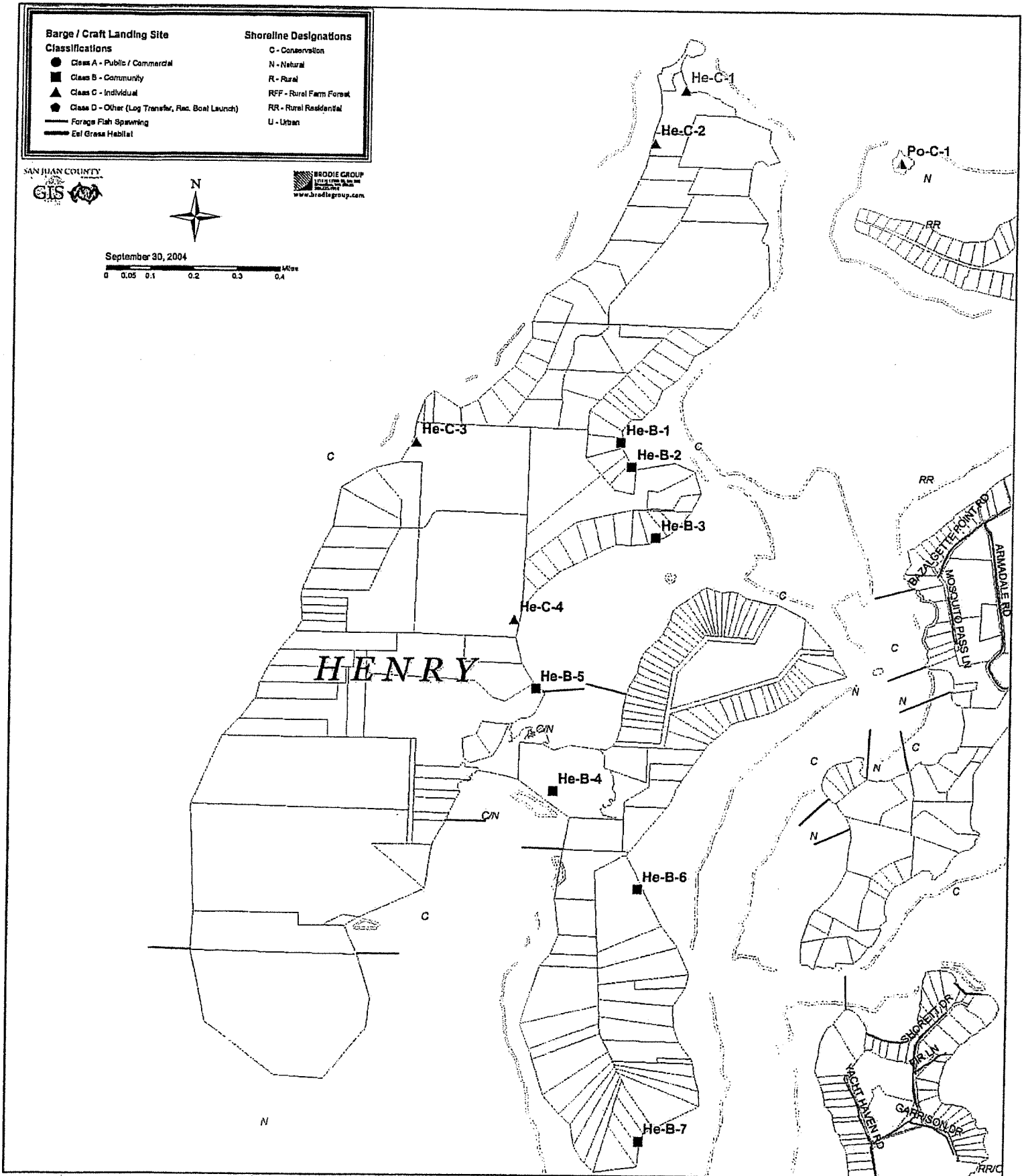
2004 Inventory of Existing Barge and Landing Craft Sites
Inventory Details: November 18, 2004
 (Sorted by District)

ID	Island	Dist	Class	Owner	Common Name	RMP/RC	Improvements	Permits	Road Access	Lot(s) Served	Freq/Use	Vessels/Use	Cargo Types	Land Use	Shoreline	Forage	WDFW Risk	Catch	Inventory/Submitter
Bl-C-5	Blakeny	3	C	H. Jon Runstad	Amillage	151056016000	Beach	No	Priv. Rd	1	Yearly	LC-7Z	Constr. Materials	RFF	RR	EG			Submitted by J. Runstad. Site was previously used as a log dump. No material and equipment. Submitted by Tom Crowley, Jr.
Bl-D-1	Blakeny	3	D	Tom Crowley	Thatcher Bay	163311001000	Modified Beach	Unknown	Priv. Rd	31	Weekly	LC-9Z	All Types	FO	RR	EG, SS		QA-HP#45S1244	Submitted by Tom Crowley, Jr.
Bl-E-1	Blind	3	C	US Government	Blind	262721001000	Beach	No	No	N/A	Daily/Weekly (Summer) Weekly (Winter)	LC-2B	Park Maint.	N	N	EG			Submitted by Chris Reagan, State Parks
Ca-B-1	Center	3	B	Center Island Club	Center Island	152850025000	Ramp	Unknown, c.1990	Priv. Rd.	180	Weekly	LC-9Z, 7B-185, Rec.	All Types	RR	RFF	EG			Submitted by Julia Thompson. LC use the ramp. 7B use the beach on the other side of the dock.
De-A-1	Decatur	3	A	San Juan County	Decatur Ramp, Davis Bay	152050074000	Ramp	Constructed in 1984	County Rd.	Public	Daily/Weekly	LC-9Z, 7B	All Types	RG	RFF	EG	High Risk	QA-HP#45S1169	Submitted by Filanda of Decatur Island and by Joannuh Baumann, PW
De-B-1	Decatur	3	B	Decatur Shores Corp.	Sylvan Cove	152050074000	Ramp	Unknown	Priv. Rd	85	Weekly	LC-9Z	Res. Supply, Constr.	RR	C	EG		QA-HP#45S1163, 1165es, near burials	Submitted by Bob Smith
De-B-2	Decatur	3	B	Decatur Shores Corp.	North of Reeda Bay	152134006000	Beach	No	County Rd.		Rarely	LC-9Z	Res. Supply	RR	RFF				Submitted by Lea Wheeler
De-B-3	Decatur	3	B	Morris-Jones	Reed Harbor Bay - Reed Bns.	152842006000	Ramp	Unknown, c.1983 or 1925RE	Priv Rd to County Rd	Commercial	Monthly	LC-9Z	All Types	RI	U	EG			Submitted by Nerine Jones
De-B-4	Decatur	3	B	Ronald Geff and Roslyn Solomon	Reed Harbor Bay - Shipyard	151531003000	Beach	No	No	2	Weekly	LC-7Z	Res Supply	RG	C	EG			Submitted by Roslyn Solomon
De-C-1	Decatur	3	C	Jacqueline Necco	Reed Harbor Bay	152842008000	Beach	No	Ship Yard Rd	1	Monthly	Recreational	Res. Supply	RG	RFF	EG, SS			Submitted by Robert Necco
De-C-2	Decatur	3	C	Warren Odgeran	Decatur - South	152942012000	Beach	No	No	1	Daily in Summer	Parade	Res. Supply, Passengers	RG	RFF	EG, SS			Submitted by Warren Odgeran. No alternative access.
De-C-3	Decatur	3	C	Lynne Saad	Decatur - South	152942011000	Beach	No	No	1	Weekly	LC-9Z	Res. Supply	RG	RFF	EG, SS			Submitted by Lynne Saad. Site used for 18 years.
De-C-4	Decatur	3	C	Robert Muckleshona and Megan Krusa	Decatur - South	152842003000	Beach	No	No	1	Weekly	LC-7Z	Res.	RG	RFF	EG			Submitted by Robert Muckleshona. Former Kimball homestead over 40 years use. No alternative access.
Fr-B-1	Frost	3	B	Frederick Voorhees	Frost	150750014000	Ramp	Unknown, 1959	No	11	Monthly	LC-7Z, Water	Res. Supply, Passengers	RR	C	EG			Submitted by Patricia Andrews
Je-C-1	James	3	C	Stala of Washington	James	162312001000	Beach	No	No	N/A	Daily/Weekly (Summer) 4-Monthly (Winter)	LC-2B	Park Maint.	C	C	EG			Submitted by Chris Reagan, State Parks
Lo-A-1	Lopez	3	A	San Juan County	Hunter Bay Ramp	140745004000	Ramp	Yes, 1984	County Rd.	N/A	Daily	LC-9Z	Res. Supply, Bulk Fuel	RFF	N	EG, SS	High Risk	Samian carves vegetation area	Submitted by Joannuh Baumann, PW
Lo-A-2	Lopez	3	A	San Juan County	Mackaye Harbor Ramp	141880005000	Ramp	408-SL-87 408-CL-87	County Rd.	N/A	Daily	LC-9Z	All Types	RR	C		Low Risk	QA-HP#45S1205	Submitted by Joannuh Baumann, PW
Lo-B-1	Lopez	3	B	San Juan County	Odini Park Ramp	250241001000	Ramp	Reconstructed in 2002	County Park	N/A	LC-Weekly, 7B Monthly	LC-9Z, 7B-185	All Types	C	C	EG	High Risk	QA-HP#45S1271	Submitted by Dana Wuthnow, County Parks

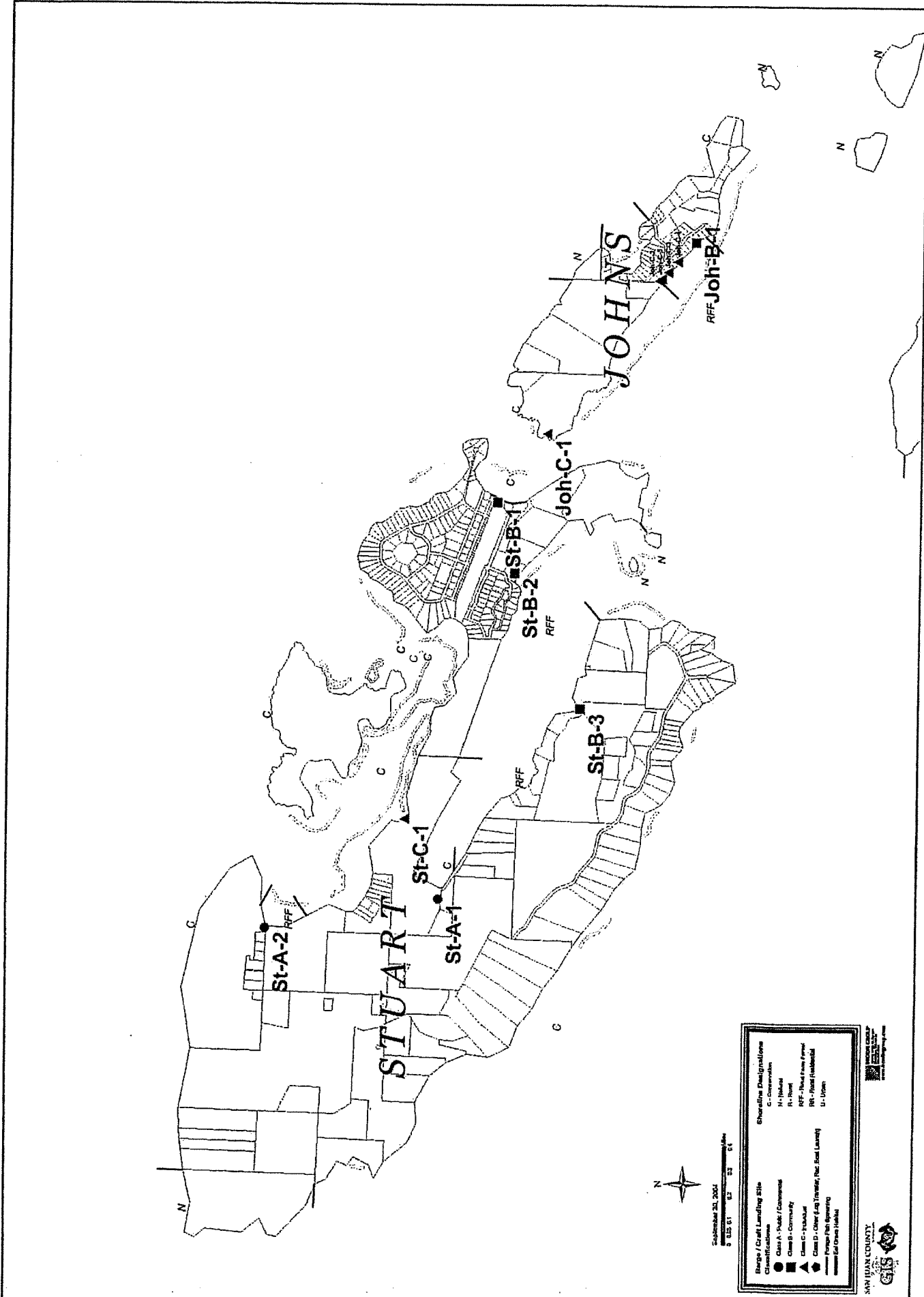
**2004 Inventory of Existing Barge and Landing Craft Sites
Inventory Details: November 18, 2004
(Sorted by District)**

Id	Island	Dist.	Class	Owner	Common Name	RAMP/RC	Improve ments	Permits	Road Access	Lot/Served	Freq/Use	Washed/Use	Category	Land Use Designation	Forage/In land	WDFW/Risk	Inventory/Submitted
Lo-B-2	Lopez	3	B	San Juan County	Weeks Road End	251543007000	Beach	No	County Rd.	N/A	Monthly	T/B 188"	House relocation	UGA PRC	EG	High Risk	Submitted by Jeanneth Baumann, PW No responses to survey.
Lo-B-3	Lopez	3	B	Ron Meng	Fishermen's Bay Island's Marina Center	252214008000	Ramp							UGA U	EG		
Lo-B-4	Lopez	3	B	San Juan County	Port Stanley Road End		Beach	No	County Rd.	N/A	Yearly	T/B 188"	House relocations	RFF	RR		Submitted by Jeanneth Baumann, PW. Hesi' been used in 1998.
Sh-B-1	Shaw	3	B	San Juan County	Neck PL - Harbor Way Road End (Neck Point)		Beach	No	Harbor Way	Road End	Weekly	LC-8Z	All Types	RR	RFF	Low Risk	Submitted by Jeanneth Baumann, PW. Shaw only access.
Sh-C-1	Shaw	3	C	Shaw Island Trust	Northwest	262022002000	Ramp	Unknown, early 20th century	County Rd	1	Monthly	LC-8Z	All Types	FD R	EG, SS		Submitted by Chris Carfield
Sh-D-1	Shaw	3	D	San Juan County	South Beach Park, Indian Cove Ramp	263431001000	Ramp	Unknown	Shaw Park	N/A		Rec. Only	Rec. Only	C	EG		Submitted by Dona Wulfnow, only.
Tr-C-1	Trump	3	C	Trump Island, LLC	Trump - Northwest	162042001000	Modified Beach	No	No		1 Monthly	LC- 8Z, T/B 185"	Res Supply	N	C/N		Submitted by Alan Georff Adjacent to new dock (July 2002) Historically used for barge landings/reser tanks.

Barge and Craft Landing Sites San Juan County - District 1- Henry Island Detail



Barge and Craft Landing Sites San Juan County - District 1 - Stuart and Johns Island Detail

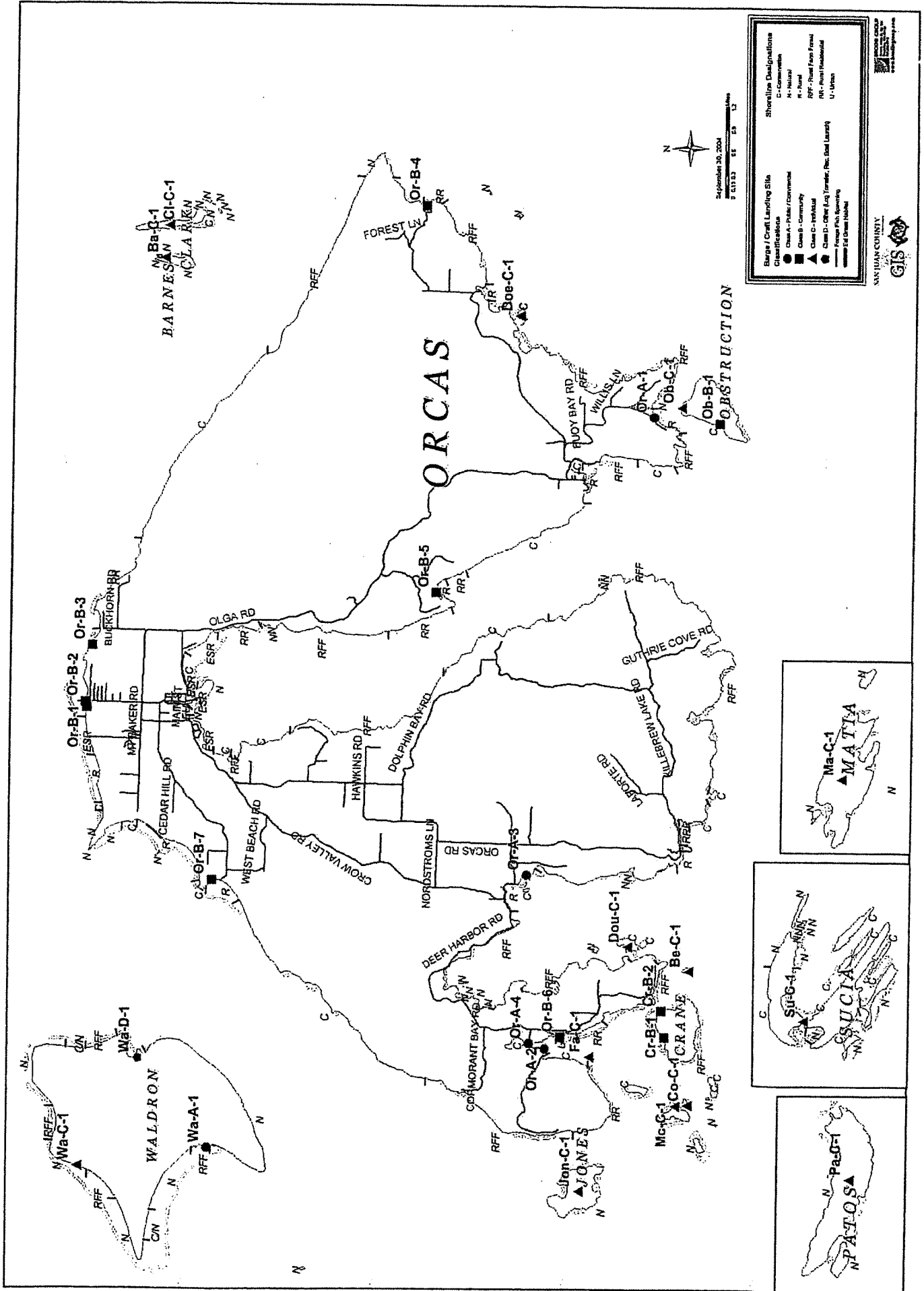


Barge / Craft Landing Site Classifications		Shoreline Designations	
●	Class A - Public / Commercial	C	Conservation
■	Class B - Community	M	Marine
▲	Class C - Industrial	R	Recreation
▲	Class D - Other (e.g. Transfer, Rec. Boat Launch)	RFF	Reef / Rock / Rubblefield
▲	Class E - Other (e.g. Transfer, Rec. Boat Launch)	U	Urban
▲	Class F - Other (e.g. Transfer, Rec. Boat Launch)		
▲	Class G - Other (e.g. Transfer, Rec. Boat Launch)		

Scale: 1:50,000
 0 100 200 300 400 Feet



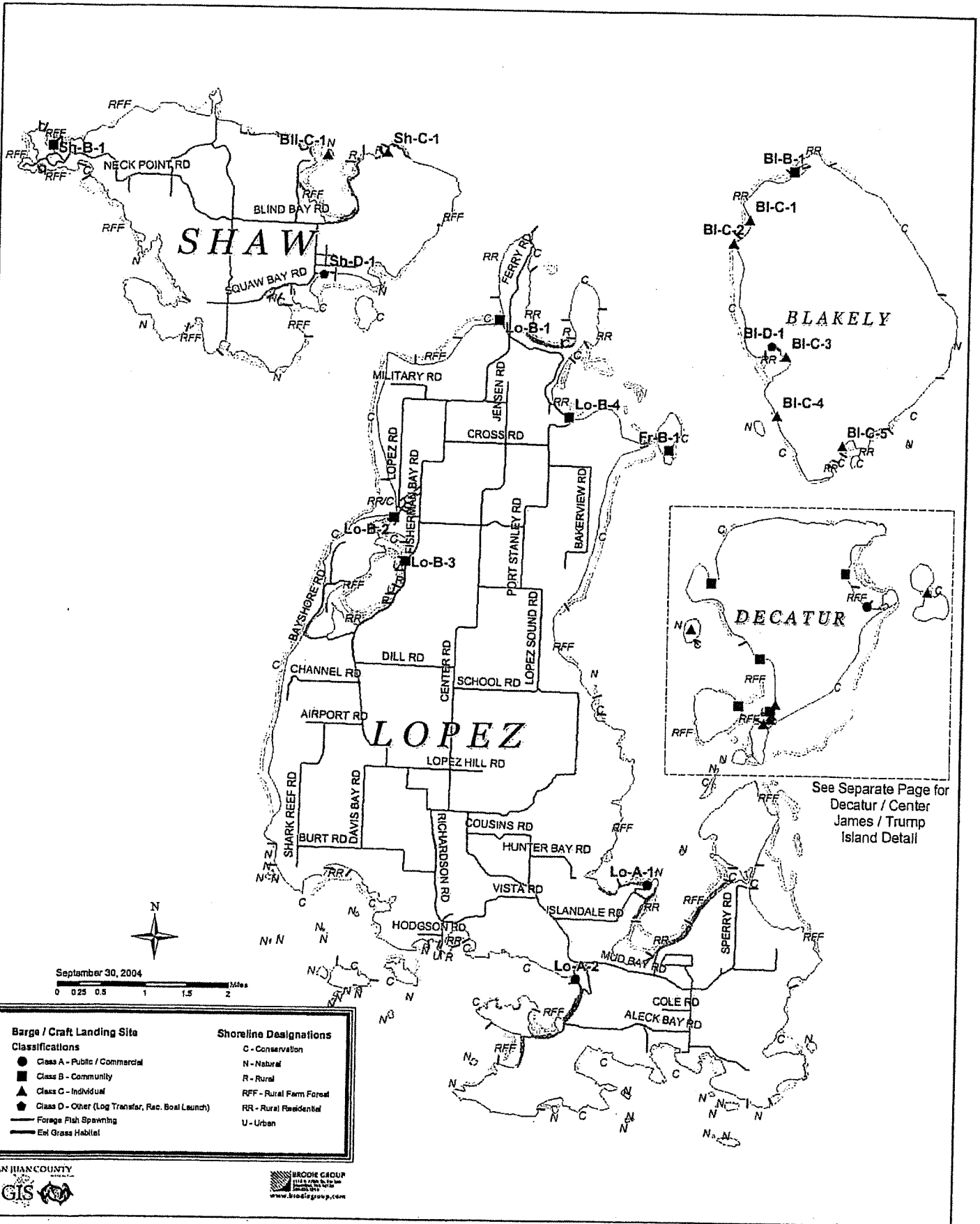
Barge and Craft Landing Sites San Juan County - District 2



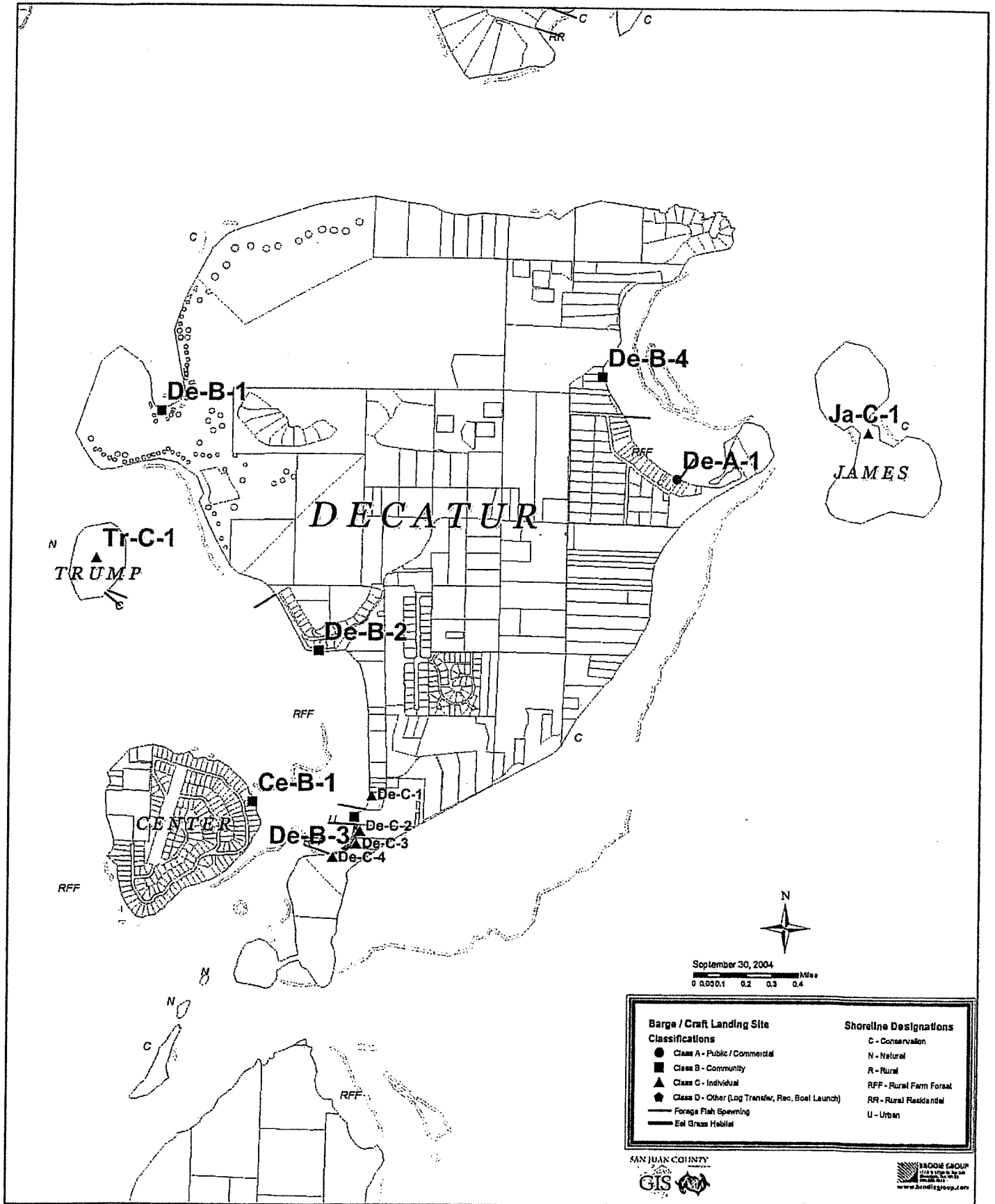
Barge/Craft Landing Site Classification		Shoreline Designations	
●	Class A - Public/Commercial	○	Conservable
■	Class B - Community	○	Non-Developable
▲	Class C - Individual	○	River/Stream/Farm Ponds
▲	Class D - Other (Log Terminal, Rec. Boat Launch)	○	River/Stream/Estuaries
○	Former Fish Spawning	○	Urban
○	Former Fish Spawning		
○	Former Fish Spawning		

SAN JUAN COUNTY
 GIS
 GIS Department
 September 20, 2004
 9 11 23 16 15 17

Barge and Craft Landing Sites San Juan County - District 3



Barge and Craft Landing Sites San Juan County - District 3 Decatur, Center, Trump and James Islands



STATE OF WASHINGTON
DEPARTMENT OF FISH AND WILDLIFE
HABITAT PROGRAM

September 16, 2003

TO: Regional Habitat Program Managers
Assistant Regional Habitat Program Managers
Area Habitat Biologists

FROM: Greg Hueckel, Assistant Director

SUBJECT: **INTERIM GUIDANCE REGARDING HYDRAULIC PROJECT APPROVALS (HPAS) FOR BARGE OR LANDING CRAFT LANDING SITES**

A number of regularly used barge or landing craft landing sites have recently been identified in San Juan County. Physical structures such as landing ramps are associated with some of the sites, but not all. These sites are not specific to any construction project; rather they appear to be more as a goods and materials delivery system, similar to a ferry. None of these sites were approved under an HPA. The question has now been posed as to the need for an HPA, and if so, under what circumstances. Please note, that while this issue is more specific to marine environments in Regions 4 and 6, I am addressing this to all of you as potential guidance and to ensure consistency.

Please observe the following guidance when determining whether an HPA is required for barge or landing craft landing sites, and for what activities. Template HPA conditions are attached for your use when an HPA is required.

1. Existing Barge or Landing Craft Landing Sites (Public and Private)

A. No Proposal to Modify, Expand, Maintain or Remove the Existing Site:

No “after-the-fact” or “de facto” HPA will be issued for any existing physical structures or barge or landing craft landing activities at a site that has been in use for two years or more. Additionally, WDFW will not request that enforcement action be taken at these sites. If activities that modify, expand, maintain or remove the existing barge or landing craft landing site that affect the bed or flow of state waters are not proposed, WDFW does not have the HPA nexus to regulate the barge or landing craft use (grounding, propeller scour, shading) in the impact area of the landing site for the protection of fish life.

If a barge or landing craft landing site has been in existence for less than two years, then it would be considered a “new” site and the provisions of 2A or 2B listed below would apply to the site.

B. Proposal to Modify, Expand, Maintain or Remove the Existing Site:

If activities that modify, expand, maintain or remove any existing barge or landing craft landing site that affect the bed or flow of state waters are proposed, an HPA is required and as such WDFW has the nexus to regulate the barge or landing craft use (grounding, propeller scour, shading) in the impact area of the landing site for the protection of fish life (see attachment #1).

2. New Barge or Landing Craft Landing Sites (Public and Private)

A. New Sites With Permanent or Temporary Physical Structures and/or Operations that Affect the Bed or Flow of State Waters:

An HPA is required for new landing sites where the site structures, including the landing ramp(s) and associated support structures (whether permanent or temporary) that affect the bed or flow of state waters, are not permanent features of the barge or landing craft. An HPA is also required for new landing sites, with or without structures, where associated motorized equipment (that is not a permanent feature of the barge or landing craft) is operated in a manner that affects the bed or flow of state waters during loading and off-loading operations. As such, WDFW has the nexus to regulate, for the protection of fish life, the barge or landing craft use (grounding, propeller scour, shading) in the impact area of the landing site (see attachment #2).

Current landing sites that have been in existence less than two years but which do not have the required HPA will have to be handled on an individual basis regarding what action may be taken. Situations involving current landing sites that may become controversial should involve the RHPM and Olympia program managers in the resolution process.

B. New Sites Without Permanent or Temporary Physical Structures and Operations That Do Not Affect the Bed or Flow of State Waters:

An HPA is **not** required for new landing sites where the landing ramp(s) and associated landing ramp support structures are permanent features of the barge or landing craft and where motorized equipment associated with the loading and off-loading operations is operated in a manner that does not affect the bed or flow of state waters. Under these circumstances, WDFW does not have the nexus to regulate the barge or landing craft use (grounding, propeller scour, shading) in the impact area of the landing site for the protection of fish life. However, the recommended measures in the attached guidance document (attachment #3) will ensure any impacts to fish life or fish habitat are avoided or greatly reduced.

If you have any questions, please contact me at 902-2416, or Peter Birch at 902-2641.

GH:kam

cc: Peter Birch Randy Carman
 Steve Penland Kathryn McLeod
 Gayle Kreitman Don Gatlin

attachments (3)

ATTACHMENT #1
TEMPLATE HPA
FOR
PROPOSALS TO MODIFY, EXPAND, MAINTAIN, OR REMOVE AN EXISTING BARGE
LANDING OR LANDING CRAFT SITE (ITEM 1 B)

TIMING LIMITATIONS: The project may begin **immediately** and shall be completed by _____, provided:

1. Work below the ordinary high water line shall not occur from _____ through _____ of any year for the protection of _____.
2. This project is approved as illustrated in your application subject to the following provisions.
3. This approval is for repair/replacement of the existing structure only and shall not result in expansion of the concrete ramp structure.
4. The existing damaged concrete ramp shall be removed and disposed of upland such that it does not re-enter such waters.
5. The boat ramp shall be constructed at/no more than _____ inches above the pre-project natural beach grade.
6. The side slopes of the boat ramp shall be no steeper than 1.5 feet horizontal to one foot vertical.
7. Project activities shall not occur when the project area is inundated by tidal waters.
8. Operation of motorized equipment to repair/replace the existing concrete ramp shall be restricted to the footprint of the existing concrete ramp.
9. Wet concrete shall be prevented from entering waters of the state. Forms for any concrete structure shall be constructed to prevent leaching of wet concrete. Impervious materials shall be placed over any exposed concrete not lined with the forms that will come in contact with state waters. Forms and impervious materials shall remain in place until the concrete is cured.
10. Barge and landing craft landings shall be restricted to tide elevations adequate to prevent grounding of the barge and landing craft.
11. Under normal circumstances, the barge or landing craft shall not be allowed to ground.

12. At a minimum, the barge and landing craft ramp shall extend landward of the waterward end of the existing concrete ramp or landward of the mean high water tide elevation (MLLW = 0.00).
13. Temporary ramps, associated ramp support structures and temporary mats shall be removed from the beach immediately upon completion of loading/offloading operations.
14. The operation of motorized equipment waterward of the ordinary high water line during loading/off loading operations shall be restricted to the footprint of the barge and landing craft ramp, temporary ramps, temporary mats and the existing concrete ramp. Under no circumstances shall motorized equipment be operated on the beach beyond the footprint of the barge and landing craft ramp, temporary ramps, temporary mats and the existing concrete ramp.
15. Motorized equipment used during loading and offloading operations shall be operated in the dry.
16. The beach slope at the proposed landing site is very shallow and as a consequence the risk for prop scour impacts to the bed is high. Landing shall only occur with engines operated at idle.
17. The beach slope at the proposed landing site is very shallow and as a consequence the risk for prop scour impacts to the bed is high. The applicant shall photograph the bed at the landing site _____ feet waterward of the ordinary high water line during the daytime low tide immediately following completion of the loading/off loading operations. The beach photographs shall be sent to the Area Habitat Biologist listed below.
18. Eelgrass is present at the proposed landing site and as a consequence the risk for prop related impacts to eelgrass is high. Landing shall only occur with engines operated at idle.
19. All debris or deleterious material resulting from the loading/offloading operations shall be removed from the beach area and bed and prevented from entering waters of the state.
20. No petroleum products or other deleterious materials shall enter surface waters.
21. Project activities shall not degrade water quality to the detriment of fish life.

ATTACHMENT #2

**TEMPLATE HPA
FOR
PROPOSALS FOR NEW BARGE OR LANDING CRAFT SITES WITH PERMAENT OR
TEMPORARY PHYSICAL STRUCTURES AND/OR OPERATIONS (ITEM 2A)**

1. **TIMING LIMITATIONS:** The project may begin **immediately** and shall be completed by _____.
2. This project is approved as illustrated in your application subject to the following provisions.
3. Barge or landing craft landings shall only occur at the site identified in your application. Under no circumstances shall the barge or landing craft be landed at a site different from the approved site without prior WDFW approval.
4. Barge and landing craft landings shall be restricted to tide elevations adequate to prevent grounding of the barge and landing craft.
5. Under normal circumstances, the barge or landing craft shall not be allowed to ground.
6. The temporary ramp and associated ramp support structure shall be constructed as illustrated in your project plans.
7. At a minimum, the temporary ramp element shall extend landward of the mean high water tide elevation (MLLW = 0.00).
8. The temporary ramp and associated ramp support structure shall be removed from the beach immediately upon completion of loading/offloading operations.
9. The operation of motorized equipment landward of the mean high water tide elevation (MLLW + 0.00) line during loading/off loading operations shall be restricted to the footprint of the temporary ramp and/or temporary wood or steel mats placed on the beach. Under no circumstances shall motorized equipment be operated on the beach beyond the footprint of the temporary ramp and/or temporary wood or steel mats.
10. Motorized equipment used during loading and offloading operations shall be operated in the dry.
11. The beach slope at the proposed landing site is very shallow and as a consequence the risk for prop scour impacts to the bed is high. Landing shall only occur with engines operated at idle.

12. The beach slope at the proposed landing site is very shallow and as a consequence the risk for prop scour impacts to the bed is high. The applicant shall photograph the bed at the landing site _____ feet waterward of the ordinary high water line during the daytime low tide immediately following completion of the loading/off loading operations. The beach photographs shall be sent to the Area Habitat Biologist listed below.
13. Eelgrass is present at the proposed landing site and as a consequence the risk for prop related impacts to eelgrass is high. Landing shall only occur with engines operated at idle.
14. All debris or deleterious material resulting from the loading/offloading operations shall be removed from the beach area and bed and prevented from entering waters of the state.
15. No petroleum products or other deleterious materials shall enter surface waters.
16. Project activities shall not degrade water quality to the detriment of fish life.

ATTACHMENT # 3

**INTERIM GUIDELINES FOR NEW BARGE OR LANDING CRAFT LANDING SITES
WITHOUT PERMAENT OR TEMPORARY PHYSICAL STRUCTURES AND
OPERATIONS (ITEM 2B)**

1. Barge and landing craft landings should be restricted to tide elevations adequate to prevent grounding of the barge and landing craft.
2. Under normal circumstances, the barge or landing craft should not be allowed to ground.
3. At a minimum, the barge and landing craft ramp should extend landward of the mean high water tide elevation (MLLW = 0.00).
4. The operation of motorized equipment landward of the mean high water line during loading/off loading operations should be restricted to the footprint of the barge and landing craft ramp and/or temporary wood or steel mats placed on the beach. Under no circumstances should motorized equipment be operated on the beach beyond the footprint of the barge and landing craft ramp and/or temporary wood or steel mats.
5. Motorized equipment used during loading and offloading operations shall be operated in the dry.
6. The beach slope at the proposed landing site may be shallow and as a consequence the risk for prop scour impacts to the bed is high. Landings should only occur with engines operated at idle.
7. Eelgrass may be present at the proposed landing site and as a consequence the risk for prop related impacts to eelgrass is high. Landings should only occur with engines operated at idle.
8. All materials spilled on the beach during loading/offloading operations should be removed from the beach and prevented from re-entering waters of the state.
9. Petroleum products or other deleterious materials should not be allowed to enter waters of the state.
10. Landing and loading/offloading operations should not degrade water quality to the detriment of fish life.

Appendix 6

BARGE KASHEGA & RAMP
SHOWING RAMP DEPLOYED TO 15% BEACH SLOPE
DRAWN BY GEM

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CONTACT gregg@starmarine toys.com
206-909-7347

