

National Park Service
U.S. Department of the Interior

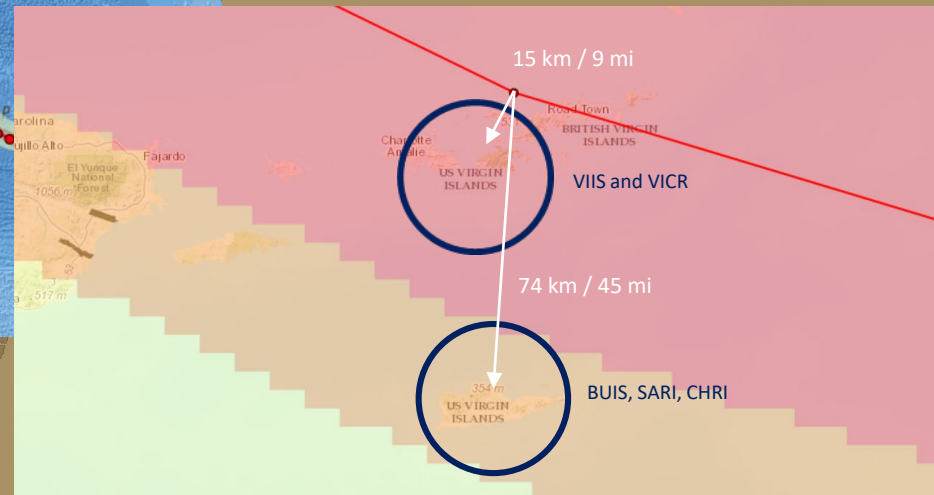
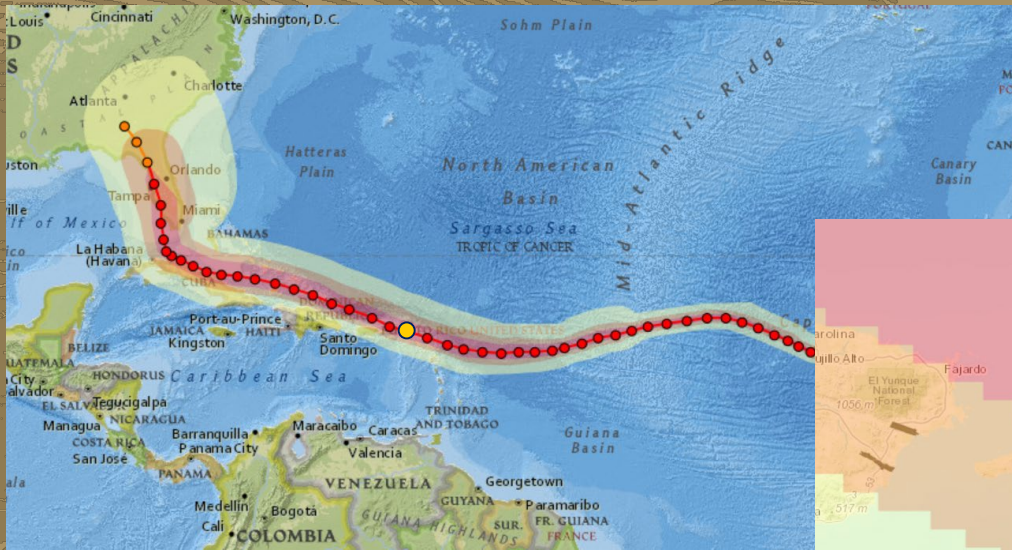


Addressing Displaced Vessels in National Parks Following Hurricanes Irma and Maria



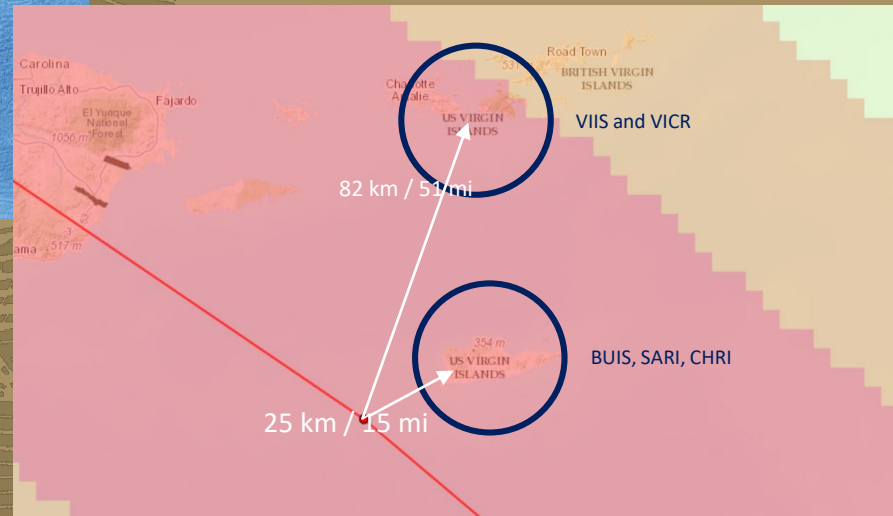
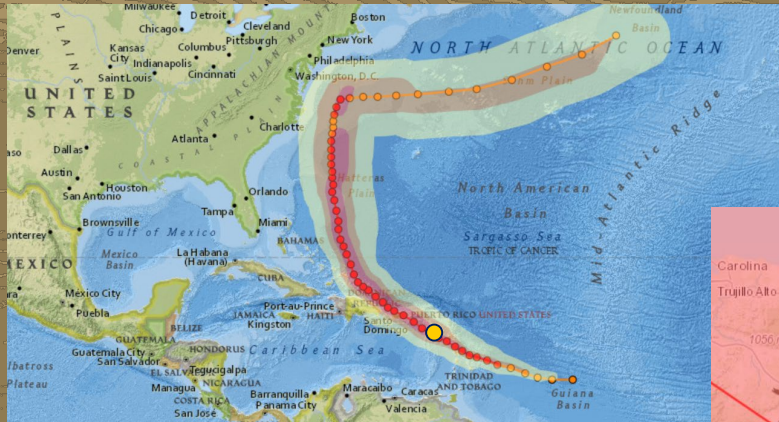
Irma

- Landfall (Bermuda) September 6 2017
- Winds 185 mph (295 km/h)



Maria

- Landfall (Dominica) September 18 2017
- Winds 175 mph (280 km/h)



Southeast Region Sites with Displaced Vessels



- Cumberland Island National Seashore
- Canaveral National Seashore
- Biscayne Bay National Park (BISC)
- Big Cypress National Preserve (BICY)
- Everglades National Park (EVER)
- Dry Tortugas National Park (DRTO)
- Salt River Bay Historical and Ecological Preserve (VIIS)
- Virgin Islands National Park (VIIS)
- Virgin Islands Coral Reef National Monument (VICR)

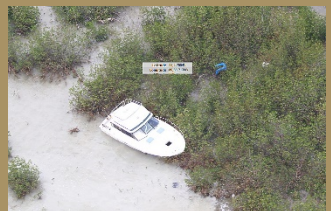
Displaced Vessels

■ Irma

- BICY (8 including large debris)
- BISC 3
- CANA 5
- CUIS 3 (all immediately removed)
- DRTO 1
- EVER approx. 65 including large debris

■ Maria

- SARI 44 (plus 25-28 pre-Maria)
- VIIS/VICR approx. 103



Vessel Removal

Challenge and Approach

Challenge

- No process – unprecedented events

Approach

- Develop process
 - Vessel ID and tracking
 - Process to get to removal
 - Owner contact
 - Legal considerations
 - Resource protection (e.g. BMPs)
 - Funding



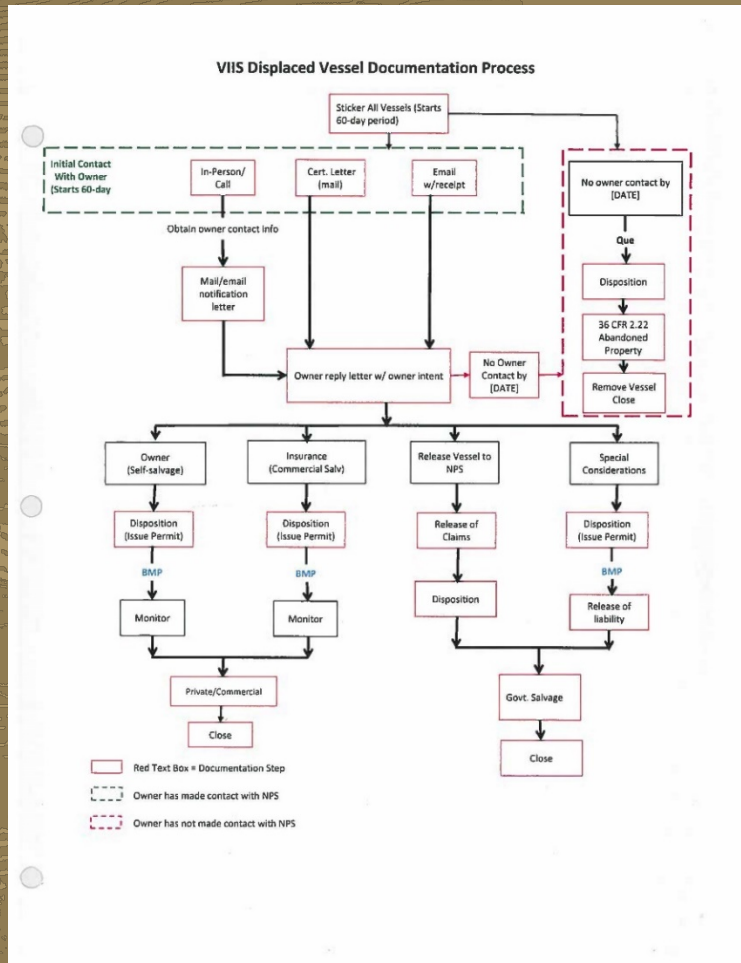
NPS Process Goals

- Obtain vessel information
- Make contact with owners
- Identify their intent (remove, leave)
- Vessel removal with minimal damage to resources



Process

Built from CG process



- Sticker vessels
- Initial contact with owners
- Determine owner intent
- Permitting
- Salvage

NPS Sticker

National Park Service
U.S. Department of the Interior



In pursuit of its mission to protect natural and cultural resources, the National Park Service is attempting to identify owners of displaced vessels/vehicles/tanks.

This vessel/vehicle/tank may contain hazardous materials which may pose a threat to park resources. In accordance with 36 CFR (Code of Federal Regulations) 2.22, please contact park staff upon receipt of this notice.

NPS Contact Information

Date: _____

Target Number: _____

-NPS-

Target Number

PRINCESS 13

Check Box if Stickered



Ranger Initials _____

DATE _____

PHOTO OF STICKERED BOAT TAKEN?

Yes

No

NOTES

Vessel ID Challenges

- Names not always unique
- Hull ID # may not be in a database
- Vessels are often similar
- Vessel submerged
- Numbers hidden
- Name plates missing
- Difficult to access



Vessel Tracking



- Field Guide
 - Field Data Sheets
 - Survey 123
 - Excel Spreadsheet
 - Arc Mapper

Vessel ID Tips

- Vessel ID
 - Find names and numbers
- Guide to taking photos
 - Make it clear (e.g. which vessel?)



Initial Assessment

Field data sheet

- Vessel Information
 - Where
 - GPS
 - Habitat
 - What
 - Motor, sail, debris
 - Who
 - Vessel ID#, Name
- Resource Damage
 - Natural
 - Cultural

DISPLACED VESSEL RESOURCE ASSESSMENT										
CONTACT AND SITE LOCALITY										
READ/Park Staff					Contact information			Date		
Site Name					GPS Coordinates					
Hull ID #		Vessel Name								
Vessel/Debris Type (circle one)					Vessel/Debris Location to Shore					
Motor		Sail		Debris (incl kayaks etc)			Completely up onshore		Partially	Offshore
Surrounding Water Depth (Ft)										
0-3		3-5		5-10		10-20		20+		
Vessel Condition (circle all that apply)										
Appears in good shape		Obvious hull damage		Right side up		Upside down		Leaning	Broken apart	
Has rigging and/or mast			Partially submerged		Completely submerged		Clearly grounded			
Vessel/Debris Size (circle one)										
Small vessel (kayak, canoe)		Less than 20 Ft		20-30Ft		30-40 Ft		40+ (describe in comments)		large debris (describe in comments)
Visitor Safety Risk (circle all that apply)										
None apparent		Leaks	Falling debris		Stepping through vessel/debris		Vessel/debris shifting		Looting	Unknown
Vessel/Debris Status (circle one)										
Assessed		Not found		Pending removal		Recovery in progress		Removal in progress		
Transfer in progress			Recovery complete		Removal complete		Transfer complete			Unknown
Navigation Hazards (circle all that apply)										
None apparent		Impacts boater safety		In channel		Reduces access to boat ramps		Impedes access to visitor use areas		
Impedes park operations			Impedes commercial operations		Other (describe in comments)			Unknown		
Resource Assessment										
Natural Resources							Cultural Resources			
Habitat Impact (H = High; M = medium; L = Low)		Possible Habitat Use (use letter codes, use comments to add specifics) R = reptiles A = amphibians B = birds M = mammals F = fish I = invertebrate					Possible Hazards to Wildlife (circle all that apply)		Historic Resource	H/M/L
Habitat Type	H/M/L	Nesting	Foraging	Nursery	Breeding	Migration	Unk			
Onshore								Shipwreck		
Mangrove								Shell midden		
Salt marsh								Burial site		
Beach								Historic seawall		
Rock shore								Historic pier		
Mud flat								Human remains		
Man-made								Historic ruin		
Other								Artifacts		
Offshore								Sediment plume		
Sagrass								Leaking toxins		
Coral								Loose rigging		
Hardbottom								Take at least 6 photos		
Oyster								DID YOU TAKE PHOTOS?		
Sand								YES NO		
Mud								IF SO, HOW MANY?		
Coral rubble										
Other										
COMMENTS										

Initial Assessment Survey 123

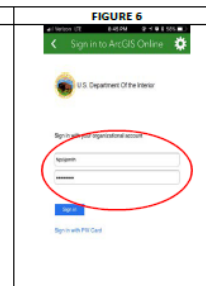
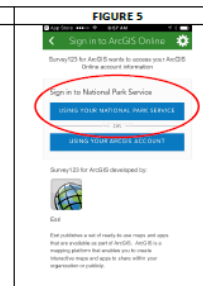
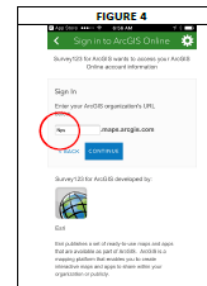


SURVEY 123

Quick Guide for Field Users

Download App & Sign in:

1. Search for "Survey123 for ArcGIS" in the App Store. Download Survey 123 onto your mobile device (Figure 1).
2. Open the app and hit "Sign in" (Figure 2).
3. Choose "Sign in with Enterprise Account" (Figure 3).
4. Type "nps" for organization url, then click continue (Figure 4).
5. Select the first choice - "Using Your National Park Service Account" (Figure 5).
6. In the username box, type "nps\" and then your Active Directory username (e.g. nps\jmith). Type your Active Directory password in the password field



Vessel Tracking Spreadsheet

VI displaced vessel database nov 14 2017 PII INFORMATION DO NOT DISTRIBUTE OR SHARE (1).xlsx - Excel

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Clipboard Font Alignment Number Styles Cells Editing

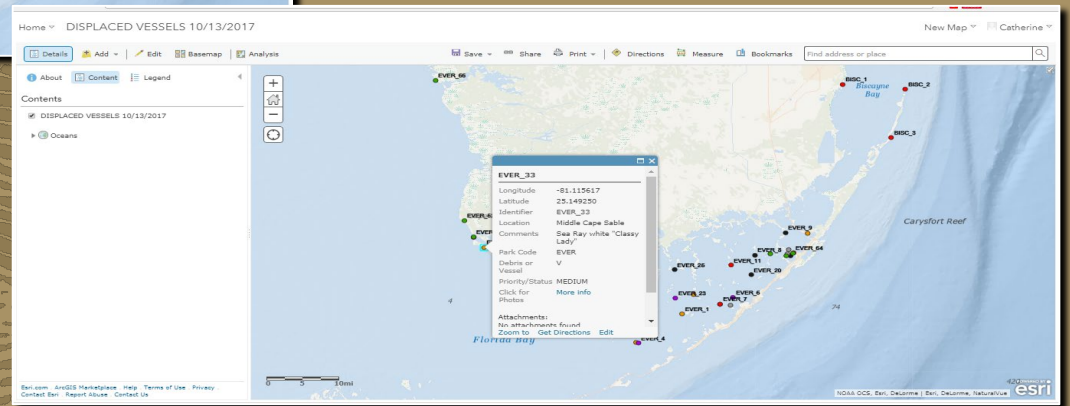
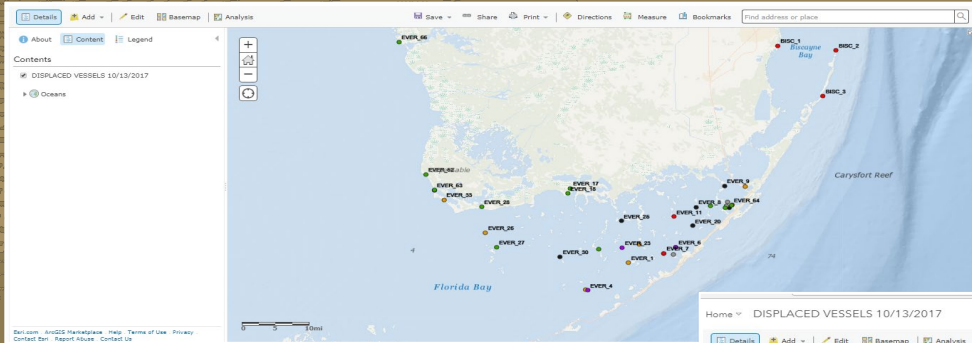
B2 want to remove

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
SITE	Current Status	Do we have owner contact	Has Owner been permitted?	CONTACT WITH OWNER	Recovery Notes	Photo?	Vessel/Debris	Vessel Description	Vessel Name	Vessel ID #	Vessel Condition	MOONING	VESSEL	MOONING	Vessel status notes	Vessel	
1	May Creek 1	want to remove	Yes	no	Flat came in and active is starting salvage	YES	sal	white sparrows boat an object	SHARA 30, Doves	drive rating	grounded, chowder hull	30-40	30-40	Unknown	Flat on boat, lamp off, lit	offshore	
2	May Creek 2	unknown	Yes	no	none, but contact with boat operator	YES	sal	contour trimaran	C-34 SC Three	Hull # 973801	grounded, broken	30-40	30-40	completed	line on vessel but local vans	offshore	
3	May Creek 3	unknown	No	no	none	YES	motor	carabateau	wood cut tree boat, 47 ft long	NO DATA	upside down, partially	20-30	30-40	NO DATA	beach	ground	
4	May Creek 4	unknown	No	no	none	NO	motor	two screw white top red stripe	NO DATA	NO DATA	upside down, partially	40-	30-40	NO DATA	beach	ground	
5	May Creek 5	want to remove	Yes	no	W/11-entire carabateau for and removed a form. She owns both nav-horizons and break away II. She would like the boats removed. They have insurance on. No. Swains came into the CP and filled out a form. She owns both nav-horizons and break away II. She would like the boats removed. They have insurance on.	reefing salvage operator	YES	motor	motor yacht v-hull, 53ft	Breakaway II	118136	right side up, chowder hull damage	40-	30-40	pending removal	up on blocks, owner clearly working on the boat.	compl offshore
6	May Creek 6	want to remove	Yes	no	none	YES	sal	6ft sailboat, sloop	New Horizons	95206	right side up, holes in hull, partially submerged	40-	40-	Unknown	beach	ground	
7	May Creek 7	unknown-destroyed	No	no	none	NO	motor	unrecognizable - Cinnamon Bay	Parent Lodge	180528TA	broken apart	30-40	30-40	Unknown	beach	ground	
8	Block 1	removed (fished)	Yes	no	none	yes	sal	1982 R/C custom boat	Hale	105896	good shape	40-	40-	Unknown	beach	ground	
9	Block 2	pending removal	Yes	no	none	yes	sal	36', white over blue	Blue Suez World	107510T	right side up, partially	4-28	4-28	Recovered	beach	ground	
10	Block 4	want to remove	Yes	no	W/26- emailed NPS, boat salvaged storm W/26- met Shereen in person at VIC and	yes	sal	carabateau, blue	Craggno	103603 (VI 4986-TA in database)	holes in hull, upside	30-40	30-40	Unknown	beach	ground	
11	Block 8	unknown	Yes	no	none	yes	sal	white and stripe red stem	Spire 2	100034H	right side up	20-30	20-30	Recovered	beach	ground	
12	Block 9	Floating and anchored	Yes	no	none	yes	sal	white, thin red stripe, blue at	Old Chow	52903 TD	right side up	30-40	30-40	Unknown	beach	ground	
13	Block 9	Floating and anchored	Yes	no	none	yes	sal	white and yellow	C-Darge	100094T	right side up, chowder	30-40	30-40	Unknown	beach	ground	
14	Block 9	want to remove	Yes	no	none	yes	sal	pink, mast and boom showing	Bloom II	unknown	broken apart, right side	20-30	20-30	to be	beach	ground	
15	Block 9	no plan but floating and tied up	Yes	no	none	yes	sal	white and stripe over blue at	Tyke	VI 4986-TA in database	good, in water, right side	30-40	30-40	Unknown	beach	ground	
16	Block 10	floating and anchored	Yes	no	none	yes	sal	carabateau	Mahina	144911TC	right side up	20-30	30-30	Unknown	beach	ground	
17	Block 10	unknown	Yes	no	none	yes	sal	carabateau	unknown	unknown	right side up	20-30	30-30	Unknown	beach	ground	
18	Block 11	NA	NA	NA	NA	unknown	sal	multiple pieces mast and sail, no	NA	NA	spattered	unknown	unknown	Unknown	beach	ground	
19	Block 11	unknown	No	no	none	yes	sal	swayed broken spar, complex	unknown	unknown	destroyed	unknown	40-	Unknown	beach	ground	
20	Block 11	unknown	No	no	none	yes	sal	white over blue - outboard	Spang	VI 4986-TA in database	broken apart, right side	30-40	30-40	Unknown	beach	ground	
21	Block 11	want to remove	Yes	no	Owner got not removing vessel according to W/26- tried to email NPS, no reply	yes	sal	white over blue	Meridian	VI 4986-TA in database	right side up, holes in	40-	40-	Unknown	beach	ground	
22	Block 11	want to remove	Yes	no	W/11- owner emailed pagt, boat not heavily	yes	sal	37' ft gas motorboat, carabateau	Vista Marisa	VI 4986-TA in database	right side up, partially	40-	40-	Unknown	beach	ground	
23	Block 11	want to remove	Yes	no	W/11- emailed pagt with registration	yes	sal	large motor tug, cabin cruiser, 45'	Charlote	unknown	right side up, partially	30-40	30-40	Unknown	beach	ground	
24	Block 11	want to remove	Yes	no	W/11- owner emailed pagt - 55g, they are	yes	sal	Down East, large white over green	Sunderer	VI 4986-TA in database	right side up, chowder	30-40	30-40	Unknown	beach	ground	
25	Block 11	want to remove	Yes	no	he called again to remove his boat but	yes	sal	Hill a bumper (not painted on the	Coliban	VI 7181 TE	right side up	30-40	unknown	Unknown	beach	ground	
26	Block 11	unknown	Yes	no	none	yes	sal	blue hull over white, 4 ft rig's	Sho	100034H	right side up	30-40	30-40	Unknown	beach	ground	
27	Block 11	want to remove	Yes	no	W/26- emailed NPS, plan to salvage	yes	sal	double wood mast	C-Labreque	VI 4986-TA in database	right side up	20-40	20-30	Unknown	beach	ground	
28	Block 11	unknown	Yes	no	owner came to ICF and filled out form	yes	sal	white	Admiral	01-30582 D	right side up, partially	30-40	30-40	Unknown	beach	ground	
29	Block 11	want to remove	Yes	no	owner came to ICF and filled out form	yes	sal	white, custom built	Ocean Vista	VI 3611 TC	right side up	30-	20-30	Pending	beach	ground	
30	Block 11	unknown	Yes	no	W/26- emailed NPS, cannot find anyone to	yes	sal	carabateau, white boat, motor	Admiral	VI 4986-TA in database	upside down, partially	30-40	30-40	Unknown	beach	ground	
31	Block 11	unknown	Yes	no	none	yes	sal	black, white over blue	Bullseye	DOC-9970 EUG	right side up	30-40	30-40	Unknown	beach	ground	
32	Block 11	unknown	Yes	no	none	yes	sal	Avon, white over green	Pine Heather, 51'	VI 5443 TA	right side up, partially	30-40	30-40	Unknown	beach	ground	
33	Block 11	unknown	Yes	no	none	yes	sal	blue over white	VI 4986-TA in database	VI 4986-TA in database	right side up, partially	30-40	30-40	Unknown	beach	ground	
34	Block 11	unknown	Yes	no	W/11- emailed pagt with boat reg	yes	sal	black over white	VI 4986-TA in database	VI 4986-TA in database	right side up, grounded	30-40	30-40	Unknown	beach	ground	
35	Block 11	want to remove	Yes	no	W/26- owner told pagt that vessel was	yes	sal	white with 47 green stripe, island	Braswell/Chester	VI 5034 TC	holes in hull, broken	30-40	30-40	Unknown	beach	ground	
36	Block 11	unknown	Yes	no	none	yes	sal	white, double mast 1 post, 47 ft	Vienna	VI 5034 TC	upside, floating, mast	30-40	30-40	Unknown	beach	ground	
37	Block 11	pending removal based on owner	Yes	no	W/26- owner told pagt that vessel was	yes	sal	white over green, 100hp, 47 ft	Vista Sol	VI 4986-TA in database	upside down, partially	47'	20-30	pending	beach	ground	
38	Block 11	want to remove	Yes	no	W/26- owner told pagt that vessel was	yes	sal	large motor, 47 ft, 100hp, 47 ft	Meredith II	VI 4986-TA in database	right side up, mostly	47'	20-30	Unknown	beach	ground	
39	Block 11	unknown	Yes	no	W/26- owner told pagt that vessel was	yes	sal	interior white, dark bottom	VI 4986-TA in database	VI 4986-TA in database	upside down	47'	20-30	Unknown	beach	ground	
40	Block 11	want to remove	Yes	no	W/26- owner emailed NPS, insurance	yes	sal	carabateau, blue, white, red stripes	Viola Blue	VI 5253 TC	upside down, partially	40-	20-30	Unknown	beach	ground	
41	Block 11	want to remove	Yes	no	W/26- owner told pagt that vessel was	yes	sal	white deck	VI 4986-TA in database	VI 4986-TA in database	right side up	40-	20-30	Unknown	beach	ground	
42	Block 11	want to remove	Yes	no	W/26- owner told pagt that vessel was	yes	sal	35 ft motor yacht, deck, wide bow	Epitaphica	VI 4986-TA in database	upside down, partially	35-30	20-30	Unknown	beach	ground	
43	Block 11	unknown	Yes	no	W/11- owner emailed pagt - 55g, they are	yes	sal	white over light blue stripes, dark	Chowder	VI 4986-TA in database	broken apart	30-40	30-40	Unknown	beach	ground	
44	Block 11	unknown	Yes	no	none	yes	sal	red and white podag	na	na	broken apart	30-40	30-40	Unknown	beach	ground	
45	Block 11	want to remove	Yes	no	none	yes	sal	2000's carabateau, mast and	na	na	broken apart	30-40	30-40	Unknown	beach	ground	

Sheet1 Sheet4 Sheet3 Hilary's Sheet

Ready 40%

Arc Mapper



EXPERIENCE YOUR AMERICA

Situation Status for IC

Vessel Type

Count of Vessel Type	Column Labels						
Row Labels	Borck	Hassel	Mary Creek	Otter	Princess	Water	Grand Total
Debris	1						1
Motor		1	4	1	5		11
Sail	2	3	3	10	13	7	38
Unknown						2	2
Grand Total	3	4	7	11	18	9	52


Disposition

Count of Vessel Disposit	Column Labels						
Row Labels	Borck	Hassel	Mary Creek	Otter	Princess	Water	Grand Total
Considered Abandon	2		2	5	6	1	16
Request special	1	1	1	2	5	2	12
Unknown		3				2	5
Waive rights to vessel			1	4	5	4	14
Will proceed with insurance			1		1		2
Will salvage or remove			2		1		3
Grand Total	3	4	7	11	18	9	52

Owner Contact

- Contact forms (walk-ins, calls)
- Letters
 - To vessel owner confirming ownership
 - Identifying their intent
 - Identifying our regulations and process

INITIAL CONTACT INFORMATION	
VESSEL OWNER CONTACT INFORMATION	
Persons Recording Information: Left Column: V Right Column: Y 1	
PURPOSE OF CALL:	
OWNER INFORMATION	
Name:	
Owner Address:	
Alternate Phone Number:	Email:
Live Onboard? Yes No	
VESSEL INFORMATION	
Vessel Name:	
Notification Decal Number:	
General Description:	
Current Location:	
Vessel Condition:	
VESSEL REMOVAL PLAN	
Brief Plan Description:	
Salvage Operator:	

 **United States Department of the Interior**
NATIONAL PARK SERVICE

Dear Vessel Owner:
Address:
City, State, Zip:
Notification Decal Number:
Certified Mail Number:

Dear (Vessel Owner):

The National Park Service (NPS), Virgin Islands National Park, in partnership with other Federal agencies, is taking steps to secure the maritime environment of Virgin Islands National Park by removing vessels that have been declared as a result of owner inactivity. Your vessel has been identified by NPS as inactive, grounded or disabled. As the vessel owner, you have several options available to you:

1. If the vessel is insured, you must first inform your insurer with an insurance claim to your respective provider to salvage the vessel under the terms of a time Special Use Permit.
- If you do not have insurance:
 2. You may salvage your vessel or contract a company to salvage your vessel and any pollutants from the marine environment under the terms of a Special Use Permit.
 3. You may request special consideration from NPS for Federal assistance at no cost under the terms of a Special Use Permit.
 4. You may transfer your rights to the vessel and thereby transfer vessel ownership to NPS.

Please advise any staff of your intentions on the attached cover letter, or via email at Caribbean.Resource@nps.gov. Please attempt to include your vessel's name, registration number, and Notification Decal Number, if known. This number is located on a green decal that was placed on your vessel by NPS.

You have until [DATE] to file and provide proof of an insurance claim, make known that you are arranging for the vessel's removal, request special consideration from NPS, or waive your rights to the vessel. If no action is taken provided by the deadline, removal of your vessel by NPS will ensure access to salvage and disposal of your vessel under 36 CFR 2.22 and 36 CFR 2.3.

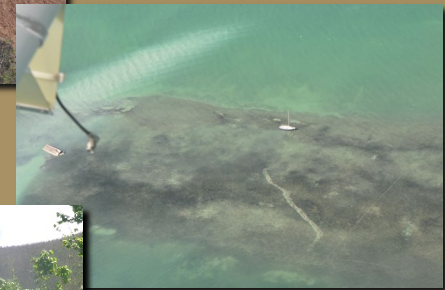
If you decide to waive your rights to the vessel, please complete the enclosed "Final Release of Claims" which serves as a release of your claim of ownership over the identified vessel. By signing this release, you hereby waive your rights of ownership to NPS. Following submission of the attached documents, NPS will assume ownership of the vessel to complete salvage, removal of contaminants such as fuel and oil, batteries, etc. and dispose of the vessel per our procedures under 36 CFR 2.22. Completion of the attached document will absolve you of any further liabilities associated with the vessel.

If you have any questions, please do not hesitate to contact any staff via the email above. We appreciate your assistance in restoring the U.S. Virgin Islands.

Sincerely,

Permitting

- Special Use Permit
 - Work with owner
 - Identify BMPs
- Potential damage
 - Seagrass scarring
 - Mangrove damage
 - Sediment plumes
 - Coral reef damage



100 Days to Go (Rev. 01/2017)
Special Use Permit

SPECIAL USE PERMIT
Special Use Permit
(Street Address)
(City, State, Zip Code)
(Phone Number for Park Permits POC)

Name: _____ Park Agency Code: _____
Company/Organization: _____ Type of Use: _____
Street Address: _____ Permit #: _____
City: _____ State: _____ Zip Code: _____ County: _____
Telephone Number: _____ Cell Phone Number: _____
Fax Number: _____
E-mail Address: _____

Permit is authorized to use the following described area or facility in Virgin Islands National Park for the purpose of removing a vessel(s) and parts thereof damaged by Hurricane Maria from lands and waters within Virgin Islands National Park.

The permit begins at AM / PM on (mm/dd/yyyy) The permit expires at AM / PM on (mm/dd/yyyy)
Submission of PERMIT/USE ACTIVITY [See attached sheets for additional information and conditions.](#)

Person or entity responsible for adherence to the terms and conditions of the permit (include contact information):

[Return to permit or use activity](#)

BMPs

Examples

Natural

- Vessels should anchor in bare sand bottom areas during all in-water response operations when possible.
- When operating motor vessels over seagrass, coral or hard-bottom areas, care should be taken to avoid propeller scarring or washing.
- Use floating lines for anchoring and vessel removal operations to prevent line sweeping of coral, seagrass, and sea bed.
- If a vessel will be towed, the selected extraction path should ensure that no additional groundings or damage to sensitive habitats will take place as a result of the recovery.

Cultural

- Maintain, as possible, distance of 50 (?) feet from historic ruins.
- Do not scrape submerged bottom in areas with known submerged cultural resources.
- Artifacts will not be removed.
- Contractors hired for the vessel removal will receive guidance on cultural resource impact avoidance.

Both

- A Resource Advisor will be on-site to monitor activities
- A Resource Advisor will conduct a post-removal or post-action assessment to ensure

Funding Options and Challenges

- USCG Removal
 - Unable to remove from federal lands (Stafford Act)
- Owner insurance
 - Boat owner insurance not required in VI
- Special Appropriations



Boundary Considerations

E.g. Hassel Island (USVI)

- NPS – Above MHW
- USGS – Below MHW



Situation Status

■ Irma

- BICY 0
- BISC 0
- CANA 0
- CUIS 0
- DRTO 1
- EVER ?
- BUIS/SARI 44 removed (25-28 remain – considered pre-Maria)
- VIIS/VICR 1 (discovered post removal efforts)



Status

- Vessels removed
- Approx \$4M
- Salvage procurement process worked
- Navy SUPSALV managed all aspects of removal at VIIS/VICR: removal, reduction, communication with owners, media, assessment, permitting, etc. via an IAA and IPAC
- SERO managed vessel removal program for NPS



Follow-up Goals for Process and SOPs



- Provide continued requested assistance
- Process
 - Compile process
- More legal review
- Input from team/parks
- Training