

## Commercial and Recreational Fisheries Impact Survey

### Wallops Flight Facility Shoreline Restoration and Infrastructure Protection Program

**Background:** Wallops Flight Facility (WFF) is a National Aeronautics and Space Administration (NASA) installation located in Accomack County on the Eastern Shore of Virginia. WFF's primary launch support facilities reside on Wallops Island which is suffering from severe shoreline erosion. NASA is proposing to conduct a Shoreline Restoration and Infrastructure Protection Program (SRIPP) that would include dredging one of two borrow sites offshore of the Chincoteague area in Federal waters (Blackfish Bank Shoal or an unnamed shoal) and placing the sand on the eroded shoreline of Wallops Island. The project may also include the construction of sand retention structures (e.g., terminal groin, detached breakwaters) and extension of the existing seawall.

In summary, the project may include the following:

1. Extending Wallops Island's existing rock seawall south;
2. Constructing a rock groin (perpendicular to the shoreline) or detached breakwaters (parallel to the shoreline) in the vicinity of WFF's southernmost property boundary;
3. Placing up to an estimated 2.3 million cubic meters (3 million cubic yards) of sand dredged from either of two shoals located offshore in Federal waters; and
4. Maintaining the improved shoreline through beach renourishment cycles throughout the 50-year life span of the SRIPP - the exact locations and magnitude of renourishment cycles may fluctuate.

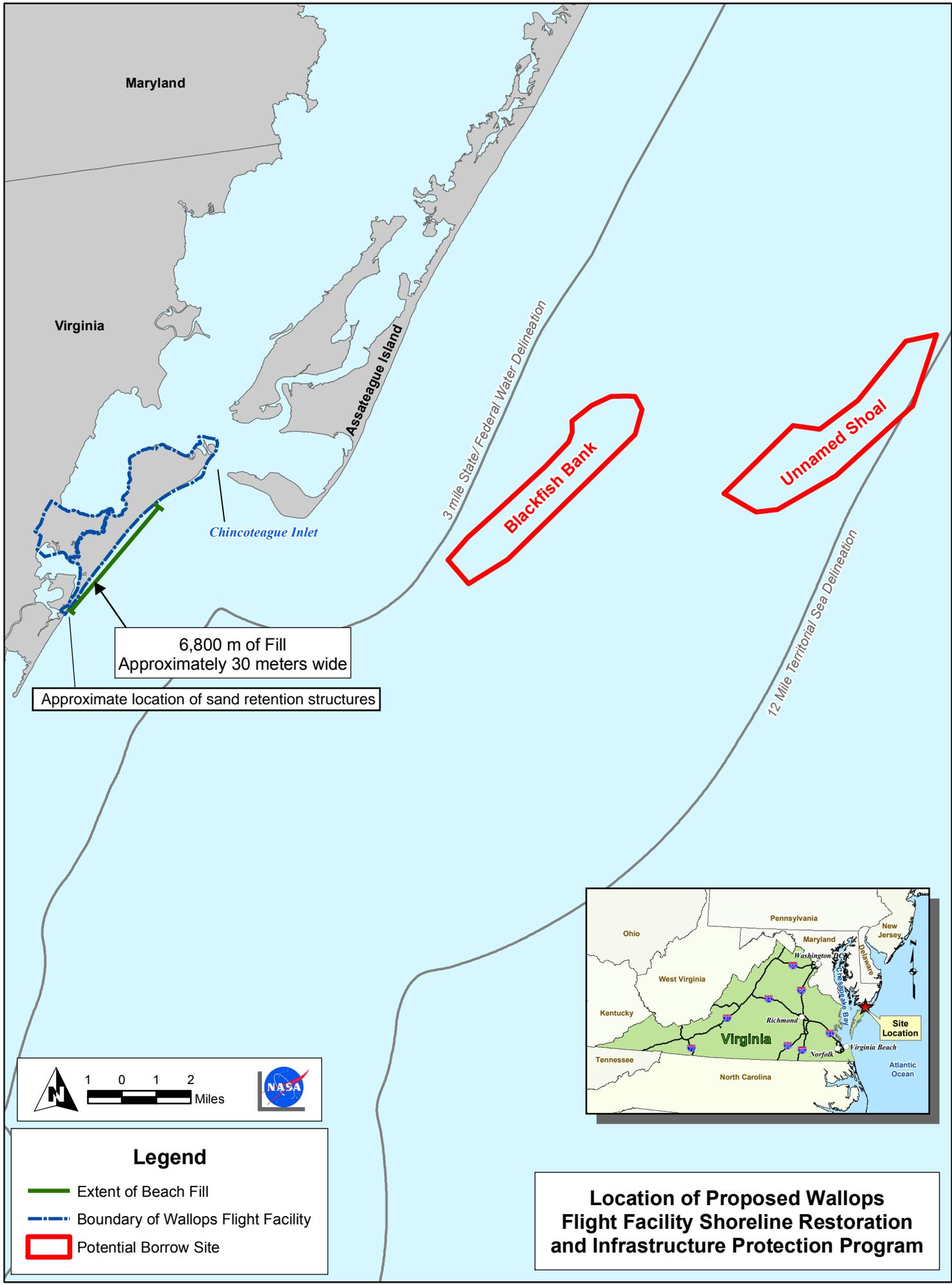
*Please see the reverse side of this page for a figure showing the location of project components.*

**Public Participation:** NASA is preparing an Environmental Impact Statement (EIS) under the National Environmental Policy Act for the SRIPP. During the preparation of the EIS, NASA will provide several opportunities for public and stakeholder involvement, the first of which is a public scoping meeting to be held at the WFF Visitor Information Center on April 21, 2009 from 6:00 to 9:00 p.m. Additionally, the public will have the opportunity to review and comment on the Draft SRIPP EIS expected to be available in the Fall of 2009. The Final SRIPP EIS is planned for completion in the Spring of 2010.

As Draft and Final versions of the EIS are released, Notices of Availability will be published in the Federal Register and local newspapers to ensure that the public is aware of the document's progress. Also, throughout the duration of the EIS process, NASA will maintain an updated website that will provide the public with the most up to date project information. The website may be accessed at: [http://sites.wff.nasa.gov/code250/shoreline\\_eis.html](http://sites.wff.nasa.gov/code250/shoreline_eis.html).

**Fisheries Concern:** Will the project summarized above directly or indirectly impact commercial and/or recreational fishing?

*Please help NASA answer this question by filling in the form on the attached page and faxing or mailing it in the provided self-addressed stamped envelope to the address listed on the survey page by April 30, 2009.*



Maryland

Virginia

Assateague Island

Chincoteague Inlet

3 mile State/Federal Water Delineation

Blackfish Bank

Unnamed Shoal

12 Mile Territorial Sea Delineation

6,800 m of Fill  
Approximately 30 meters wide

Approximate location of sand retention structures



**Legend**

- Extent of Beach Fill
- - - Boundary of Wallops Flight Facility
- Potential Borrow Site

**Location of Proposed Wallops Flight Facility Shoreline Restoration and Infrastructure Protection Program**

**Impacts of Sand Dredging, Beach Fill, and Construction of Sand Retention Structures on Fishing and Diving**

*Use the reverse side of this page for more room to write.*

- 1) Type of Fishing or Diving:  
Commercial\_\_ Guide\_\_ Recreational\_\_
- 2) Target species of fish and/or shellfish: \_\_\_\_\_
- 3) What types of habitat are you targeting?  
hard bottom\_\_ sand bottom \_\_\_\_ artificial reef \_\_\_\_ open water \_\_\_\_
- 4) Do you fish on the sites outlined in green or red on the map?  
No\_\_\_\_ Yes\_\_\_\_\_

If yes, what species are you targeting? \_\_\_\_\_  
What type(s) of gear do you use? \_\_\_\_\_  
What seasons do you fish there?  
Spring\_\_ Summer\_\_ Fall\_\_ Winter\_\_

- 5) Do you fish within about 5 miles of the sites outlined in green or red on the map?  
No\_\_\_\_ Yes\_\_\_\_ if yes;  
Blackfish Bank\_\_\_\_\_ Unnamed shoal\_\_\_\_\_ Wallops Island Shoreline\_\_\_\_\_

If yes, what species are you targeting? \_\_\_\_\_  
What type(s) of gear do you use? \_\_\_\_\_  
What seasons do you fish there? \_\_\_\_\_  
Spring\_\_ Summer\_\_ Fall\_\_ Winter\_\_

- 6) Are you concerned that dredging on these sites, placing fill on the Wallops Island beach and the construction of sand retention structures near the shoreline will:  
a) Directly impact your fishing activities? No\_\_\_\_ Yes\_\_\_\_ If yes, how?

---

---

- b) Indirectly impact your fishing activities? No\_\_\_\_ Yes\_\_\_\_ If yes, how?

---

---

- 7) Are there other things that you think may be impacted or should be considered?

---

---

**Please submit your completed form by April 30, 2009 to the address below.** Thank you very much for your assistance. If you would like more information, please contact:

250/NEPA Manager

WFF Shoreline Restoration and Infrastructure Protection Project  
NASA Goddard Space Flight Center's Wallops Flight Facility  
Wallops Island, Virginia 23337

Phone: (757) 824-1579, Fax: (757) 824-1819

**ATTACHMENT B**  
**TABULATED SURVEY RESPONSES**

Tabulated Survey Responses

Survey ID	Category	Target Species	Targeted Habitat	Fish target area?	Target Species	Type of Gear	Seasons	Fish within 5 miles?	Area	Target Species	Type of Gear	Seasons	Direct Impact?	Indirect Impact?	Survey collected from
4	Commercial	All	hard bottom, sand bottom, open water	Yes	Spot, Shark	Gill Nets	Spring, Summer, Fall	Yes	Blackfish Bank, Unnamed shoal, Wallops Island Shoreline	Spot, Shark	Gill Nets	Spring, Summer, Fall	Yes	Yes	Chincoteague
6	Commercial		hard bottom	Yes			Spring, Summer, Fall, Winter	Yes				Spring, Summer, Fall, Winter	Yes	No	Chincoteague
11	Commercial	Striped Bass, Bluefish, Spiny dogfish, Smooth dogfish	hard bottom	Yes	Striped bass, Bluefish, Dogfish	Gill Net	Spring, Fall	Yes	Blackfish Bank	Striped bass, Bluefish, Dogfish	Gill Net	Spring, Fall	No	No	Chincoteague
38	Commercial	Sea bass	hard bottom, artificial reef	No	Sea bass	RR, Fish Pots	Spring, Summer, Fall, Winter	No		Sea bass, Tautog			No	Yes	Wachapreague
207	Commercial	Surf clams	sand bottom	No				No					No	No	mailed/faxed in
5	Guide	Flounder, Croaker, Trout, Kingfish, Spot	hard bottom, sand bottom, artificial reef, open water	No				Yes	Blackfish Bank	Flounder, Croaker, Trout, Kingfish, Spot	Rod & Reel	Spring, Summer, Fall, Winter			Chincoteague
10	Guide	Pelagic	hard bottom, sand bottom, artificial reef, open water	Yes	Tautog, Sea bass	Rod & Reel	Spring, Summer, Fall, Winter	Yes	Blackfish Bank, Wallops Island Shoreline	Tautog, Sea bass, Striped Bass	Rod & Reel	Spring, Summer, Fall, Winter	No	Yes	Chincoteague
13	Guide	All	sand bottom, artificial reef, open water	Yes	Bass, Flounder, Trigger, Tautog	Hand Line	Spring, Summer, Fall, Winter	Yes	Blackfish Bank, Unnamed shoal, Wallops Island Shoreline	All	Hand Line	Spring, Summer, Fall, Winter	Yes	Yes	Chincoteague
48	Guide	Bass, Tuna, Shark	sand bottom, open water	No				No					No	No	Ocean City
202	Guide	Sea bass, Spade fish, Flounder, Trout, Tuna, Tautog	hard bottom, sand bottom, artificial reef, open water	Yes	Sea bass, Spade fish, Flounder, Trout, Tuna, Tautog	RR, Hand line	Spring, Summer, Fall, Winter	Yes	Blackfish Bank, Unnamed shoal, Wallops Island Shoreline	Sea bass, Spade fish, Flounder, Trout, Tuna, Tautog	Rod & Reel, Hand line	Spring, Summer, Fall, Winter	Yes	No	mailed/faxed in
203	Guide	Striped Bass, Trout, Bass, Tautog, Flounder, Drum	sand bottom, artificial reef, open water	Yes	Striped Bass, Trout, Bass, Tautog, Flounder, Drum		Spring, Summer, Fall	Yes	Blackfish Bank, Unnamed shoal		Hook & line	Spring, Summer, Fall	Yes		mailed/faxed in
204	Guide	Inshore Game Fish	hard bottom, sand bottom, artificial reef	Yes	Flounder, Bass, Croaker, Trout, Drum fish	Rod & Reel	Spring, Summer, Fall	Yes	Blackfish Bank, Wallops Island Shoreline	Inshore Game Fish	Rod & Reel	Spring, Summer, Fall, Winter	Yes	Yes	mailed/faxed in
205	Guide	Flounder, Croaker, Kingfish	sand bottom, artificial reef	Yes	Flounder, Spade fish, Trigger fish, Blue fish	Rod & Reel	Spring, Summer	Yes	Blackfish Bank, Wallops Island Shoreline	Flounder, Spade fish, Trigger fish, Blues	Rod & Reel	Spring, Summer	Yes		mailed/faxed in
206	Guide	Cook flounder, blue fish	hard bottom, artificial reef	Yes	Flounder. Blue fish, Striped Bass	Conk net	Spring, Summer	Yes	Unnamed shoal, Wallops Island Shoreline	Flounder. Blue fish, Striped Bass	Conk net	Spring, Summer			mailed/faxed in
1	Recreational	Flounder	artificial reef	No				No					No	No	Chincoteague

Tabulated Survey Responses

Survey ID	Category	Target Species	Targeted Habitat	Fish target area?	Target Species	Type of Gear	Seasons	Fish within 5 miles?	Area	Target Species	Type of Gear	Seasons	Direct Impact?	Indirect Impact?	Survey collected from
2	Recreational	Flounder, Striped Bass	artificial reef	Yes	Flounder	Rod & Reel	Spring, Summer, Fall	Yes	Blackfish Bank, Wallops Island Shoreline	Flounder	Rod & Reel	Spring, Summer, Fall	Yes	No	Chincoteague
3	Recreational	Flounder, Trout, Striped Bass	hard bottom, sand bottom, open water	No				Yes	Unnamed shoal, Wallops Island Shoreline	Striped Bass	Rod & Reel	Summer, Fall	No	No	Chincoteague
7	Recreational	Crabs, Flounder	sand bottom, open water	Yes	Flounder, Blue Crab	RR, Drop Pots	Spring, Summer	Yes	Wallops Island Shoreline	Flounder, Blue crab		Spring, Summer	Yes	Yes	Chincoteague
8	Recreational	All	artificial reef	No				No					No	No	Chincoteague
9	Recreational	Tautog, Sea bass, Flounder	hard bottom	Yes	Tautog, Sea bass, Flounder	Spinning Reel	Spring, Summer, Fall	Yes	Blackfish Bank	Flounder	Spinning Reel	Spring, Summer, Fall	No	No	Chincoteague
12	Recreational	Flounder, King, Striped Bass	hard bottom	No	King		Summer	No	Wallops Island Shoreline	King, Striped Bass		Summer, Fall	No	No	Chincoteague
14	Recreational	Flounder, Striped Bass	sand bottom	No	Flounder, Striped Bass	Rod & Reel	Spring, Summer, Fall	Yes	Blackfish Bank, Wallops Island Shoreline	Flounder, Strippers	Rod & Reel	Spring, Summer, Fall	Yes	Yes	Chincoteague
15	Recreational	Flounder, Redfish, Trout	hard bottom, sand bottom	No				Yes	Wallops Island Shoreline	Flounder, Redfish	Rod & Reel	Spring, Summer, Fall	Yes	No	Chincoteague
16	Recreational	Flounder	sand bottom, artificial reef	Yes	Flounder	Live, Artificial	Spring, Summer	Yes	Blackfish Bank	Flounder, Croaker		Spring, Summer	Yes		Chincoteague
17	Recreational	Striped Bass, Black & Red Drum, Flounder	hard bottom, sand bottom	No				No					No	No	Captain's Cove
18	Recreational	Striped Bass, Drum, Blues	sand bottom	No				Yes	Blackfish Bank	Striped Bass, Drum, Blues		Spring, Summer, Fall, Winter	No	No	Captain's Cove
19	Recreational	Flounder	hard bottom, sand bottom	Yes	Flounder	Bottom	Spring, Summer	Yes	Wallops Island Shoreline	Flounder	Bottom		Yes	No	Wachapreague
20	Recreational	Flounder	hard bottom	No				No					No	No	Wachapreague
21	Recreational	Striped Bass, Crab, Flounder	sand bottom, artificial reef, open water	No				Yes	Wallops Island Shoreline	Flounder	Rod & Reel	Spring, Summer		Yes	Wachapreague
22	Recreational	All	hard bottom, sand bottom, artificial reef, open water	Yes	All	Rod & Reel	Spring, Summer, Fall, Winter	No					No	No	Wachapreague
23	Recreational	Flounder, Tuna	hard bottom, artificial reef, open water	No	Flounder		Spring, Summer	Yes		Flounder		Spring, Summer	No	No	Wachapreague
24	Recreational	Sea bass	hard bottom, sand bottom	No				No					Yes	Yes	Wachapreague
25	Recreational	Flounder, Crabs	hard bottom, sand bottom, artificial reef, open water	No				Yes	Around Chincoteague	Flounder, Spade	Rod & Reel	Spring, Summer, Fall, Winter	No	Yes	Wachapreague
26	Recreational	Flounder	sand bottom	Yes	Flounder	Spinning Reel	Spring, Summer	Yes	Unnamed shoal				Yes		Wachapreague
27	Recreational	Striped Bass, Flounder, Tautog	hard bottom, sand bottom	Yes		Rod & Reel	Spring, Summer, Fall, Winter	Yes	Blackfish Bank, Unnamed shoal			Spring, Summer, Fall, Winter	Yes	Yes	Wachapreague
28	Recreational	Stripper, Tuna, Flounder, Croaker	hard bottom, sand bottom, artificial reef, open water	No				No					No	Yes	Wachapreague
29	Recreational	Flounder	hard bottom	No				No					No	No	Wachapreague

Tabulated Survey Responses

Survey ID	Category	Target Species	Targeted Habitat	Fish target area?	Target Species	Type of Gear	Seasons	Fish within 5 miles?	Area	Target Species	Type of Gear	Seasons	Direct Impact?	Indirect Impact?	Survey collected from
30	Recreational	Flounder	open water	No			Spring, Summer, Fall, Winter	No	Wallops Island Shoreline	Drum, Striped Bass		Spring, Summer, Fall	No	No	Wachapreague
31	Recreational	Flounder	sand bottom	Yes	Flounder	Rod & Reel	Spring, Summer	Yes	Wallops Island Shoreline	Flounder	Rod & Reel	Spring, Summer	Yes	Yes	Wachapreague
32	Recreational	Flounder	sand bottom	No	Flounder	Rod & Reel	Spring	No		Flounder	Rod & Reel	Spring	No	No	Wachapreague
33	Recreational	Flounder	sand bottom, artificial reef	Yes			Spring, Summer	Yes	Blackfish Bank, Unnamed shoal, Wallops Island Shoreline	Flounder		Spring, Summer	Yes	Yes	Wachapreague
34	Recreational	Flounder	hard bottom	Yes	Flounder	Rod & Reel	Spring, Summer	Yes		Flounder	Rod & Reel	Spring, Summer	Yes		Wachapreague
35	Recreational	Flounder	hard bottom, sand bottom	No				No					No	No	Wachapreague
36	Recreational	Flounder	sand bottom	No				No					No	No	Wachapreague
37	Recreational	Flounder	sand bottom	No				No					No	No	Wachapreague
39	Recreational	Flounder	hard bottom, sand bottom, artificial reef, open water	No	Flounder	Rod & Reel	Spring, Summer	No							Wachapreague
40	Recreational	Flounder	sand bottom	No	Flounder	Rod & Reel	Spring	No					No	No	Wachapreague
41	Recreational	Striped Bass	sand bottom	No	Striped Bass	bait & tackle	Spring, Summer, Fall, Winter	No					No	No	Wachapreague
42	Recreational	All	hard bottom, sand bottom, artificial reef, open water	Yes	All	Rod & Reel	Spring, Summer, Fall, Winter	Yes	Blackfish Bank, Unnamed shoal, Wallops Island Shoreline	All	Rod & Reel	Spring, Summer, Fall, Winter	No	No	Ocean City
43	Recreational	Flounder	hard bottom, sand bottom, artificial reef, open water	No				No					No	No	Ocean City
44	Recreational	Striped Bass	sand bottom	No				No					No	No	Ocean City
45	Recreational	Striped Bass	open water	Yes	Striped Bass	ubrella (umbrella) rigs	Spring, Fall	Yes	Blackfish Bank, Unnamed shoal	Striped Bass	Rigs	Spring, Fall	No	No	Ocean City
46	Recreational	Flounder, Bluefish, Striped Bass, Blackfish	artificial reef	No				No					No	No	Ocean City
47	Recreational	Open water, Striped Bass	hard bottom, open water	No		Line hook	Spring, Summer, Fall	No					No	No	Ocean City
49	Recreational	Tautog, Striped Bass	hard bottom	Yes	Tautog	Rod & Reel	Fall	Yes	Blackfish Bank		Rod & Reel	Spring, Fall	Yes	Yes	Ocean City
50	Recreational	Flounder, Striped Bass, Crabs, Clams	sand bottom	No				No					Yes	Yes	Ocean City
51	Recreational	Striped Bass, Tautog, Flounder	hard bottom, sand bottom, open water	No				No					No	Yes	Ocean City
52	Recreational	Tautog	artificial reef	No				No					No	No	Ocean City
53	Recreational	Taug, Flounder	hard bottom, open water	Yes	Ocean fish	offshore gear	Spring, Summer	No					No	No	Ocean City
54	Recreational	Striped Bass, Tautog	sand bottom	No				No					No	No	Ocean City
55	Recreational	Flounder, Tautog	hard bottom, open water	No				No					Yes	No	Ocean City
100	Recreational	All	sand bottom, open water	Yes	All	Fishing rods	Spring, Summer, Fall	Yes	Blackfish Bank, Unnamed shoal	Any local fish species	Fishing rod, Typical tackle	Spring, Summer, Fall	Yes	Yes	mailed/faxed in