APPENDIX B

USGS 7.5 Minute Quadrangles for Chesapeake Bay and the Delmarva Peninsula Coastal Bays Showing Distribution, Abundance, and Groundtruthing of SAV in 1998

Boundaries of individual SAV beds are delineated by solid lines and SAV beds are shaded. Each bed is identified with a unique one or two letter label (A-Z, AA-ZA, AB-ZB, etc.) and single number density designation (1-4). These density numbers represent the classification discussed in the text and Figure 9, i.e., 1 = <10%; 2 = 10-40%; 3 = 40-70%; 4 = 70-100%. Ground survey observations are represented by symbols and species codes, which are explained in the legend. Chesapeake Bay Program and Delmarva Peninsula coastal bay segments are identified on the maps with gray labels and delineated by dashed lines.

Appendix B 1998 SAV

Key for 1998 SAV Maps

SPECIES

- **Zm** Zostera marina (eelgrass)
- Rm Ruppia maritima (widgeon grass)
- C Chara sp. (muskgrass)
- **Cd** Ceratophyllum demersum (coontail)
- **Cl** Callitriche sp. (water-starwort)
- Ec Elodea canadensis (common elodea)
- **Ed** Egeria densa (water-weed)
- Hd Heteranthera dubia (water stargrass)
- **Hv** Hydrilla verticillata (hydrilla)
- Ms Myriophyllum spicatum (Eurasian watermilfoil)
- N Najas sp. (naiad)
- **Nfl** Najas flexilis (northern naiad)
- Ngr Najas gracillima (slender naiad)
- Ngu Najas guadalupensis (southern naiad)
- Nm Najas minor
- Nt Nitella sp. (muskgrass)
- Pcr Potamogeton crispus (curly pondweed)
- Pe Potamogeton epihydrus (leafy pondweed)
- Pn Potamogeton nodosus (American pondweed)
- **Ppc** Potamogeton pectinatus (sago pondweed)
- **Ppf** Potamogeton perfoliatus (redhead-grass)
- Ppu Potamogeton pusillus (slender pondweed)
- **S** Sparganium sp. (bureed)
- **Tn** Trapa natans (water chestnut)
- Va Vallisneria americana (wild celery)
- **Zp** Zannichellia palustris (horned pondweed)
- U Unidentified species composition

SURVEY STATIONS

- Citizens Field Observation
- Army Corps of Engineers
- Aberdeen Proving Ground (USAEC/ARL)
- **▼** University of Maryland
- **U.S.** Environmental Protection Agency
- * Harford Community College
- Md. Dept. of Natural Resources
- + Naval Air Station –Patuxent River
- ♠ National Oceanographic Atmospheric Adminstration
- ▶ National Park Service
- ♥ Patuxent River Park
- Patuxent Wildlife Research Center
- Salisbury State University
- ★ U.S. Fish and Wildlife Service
- ♦ U.S. Geological Survey
- VIMS Field Survey
- ▲ Virginia Marine Resources Commission



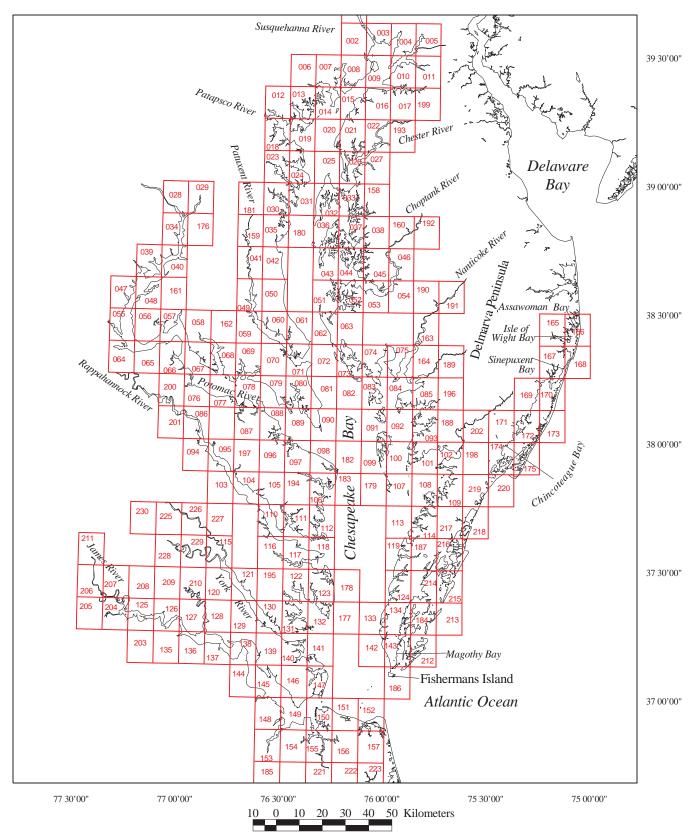
1998 SAV Beds

SAV Bed Labels

A,B,C,...,AA,BA,CA,...

- 1 = 0 10% density
- 2 = 10 40% density
- 3 = 40 70% density
- 4 = 70 100% density

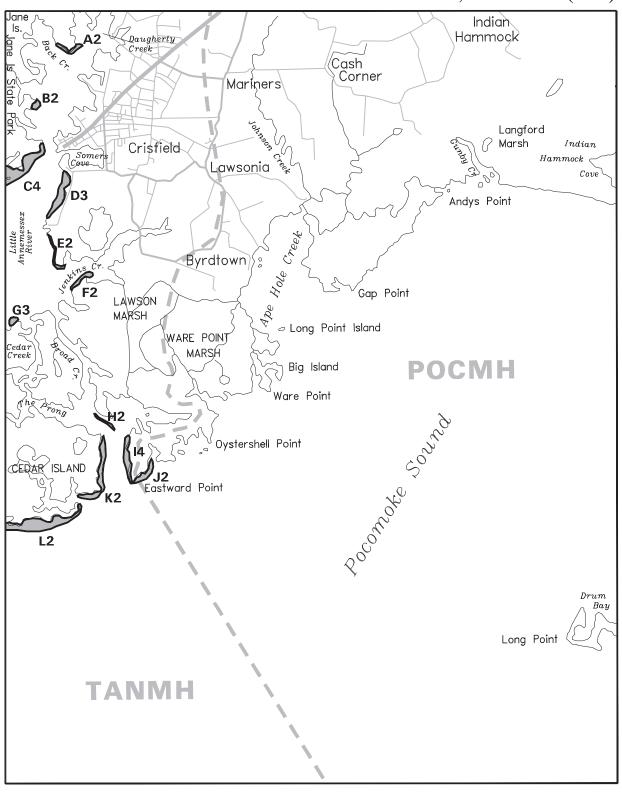
1998 SAV Appendix B



Location of USGS 7.5 minute quadrangles in Chesapeake Bay, its tributaries, and in the Delmarva Peninsula coastal bays with corresponding code numbers. (See Table 2 for quad names.)

Appendix B 1998 SAV

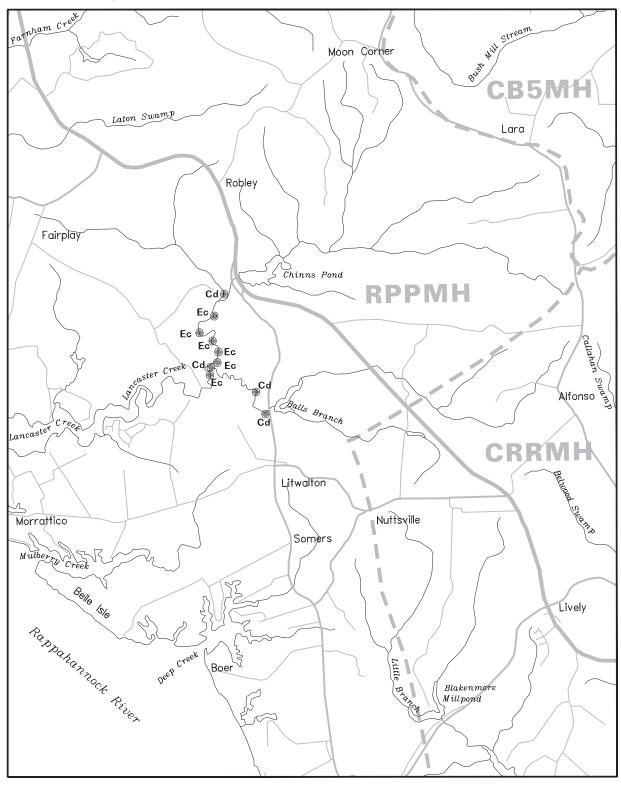
Crisfield, Md.-Va. (101)

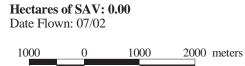


Hectares of SAV: 83.28
Date Flown: 05/16

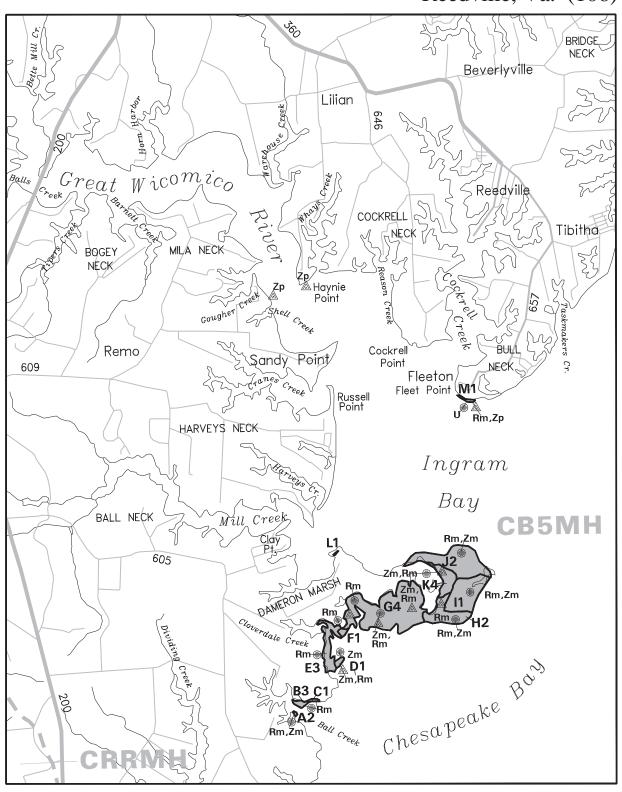
1000 0 1000 2000 meters

(105) Lively, Va.





Reedville, Va. (106)



Hectares of SAV: 224.16

Date Flown: 05/16

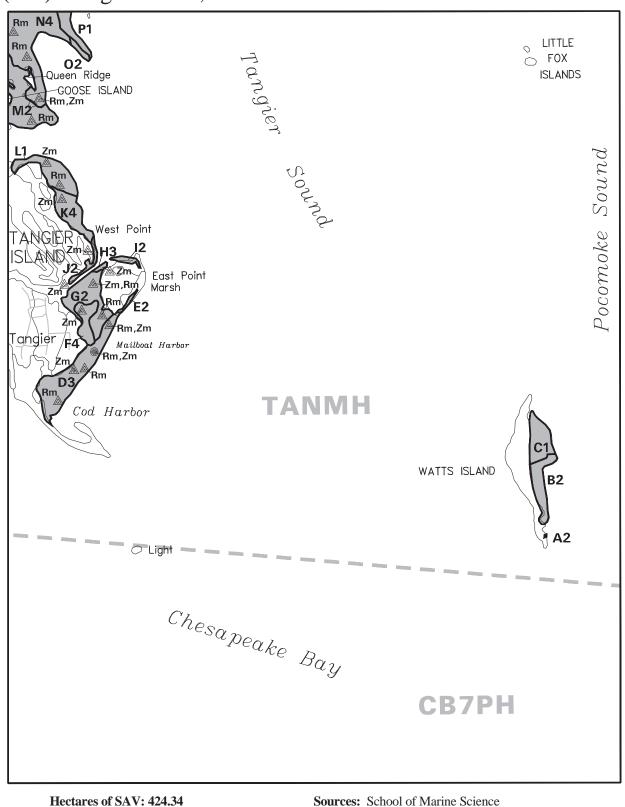


Sources: School of Marine Science

Virginia Institute of Marine Science College of William and Mary

U.S. Geological Survey

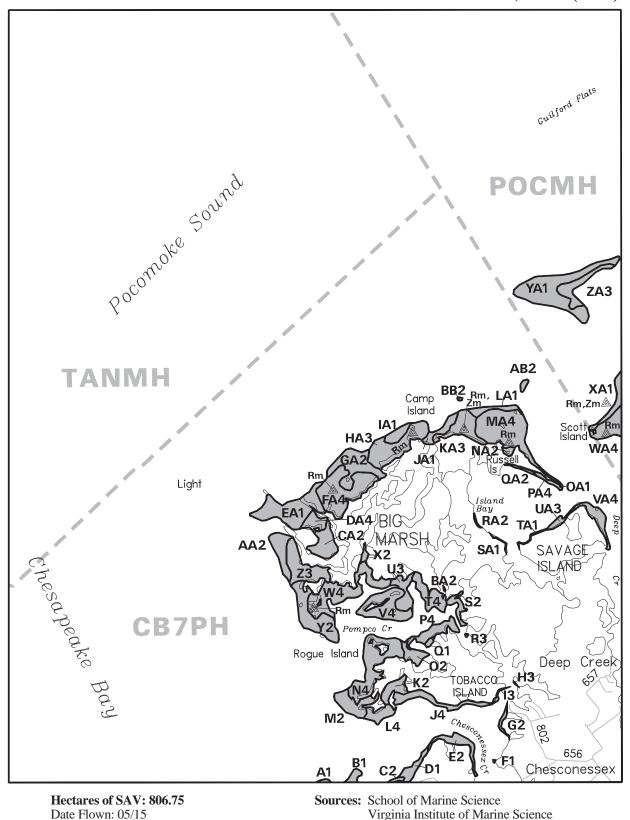
(107) Tangier Island, Va.



Date Flown: 05/16

1000 0 1000 2000 meters

Chesconessex, Va. (108)

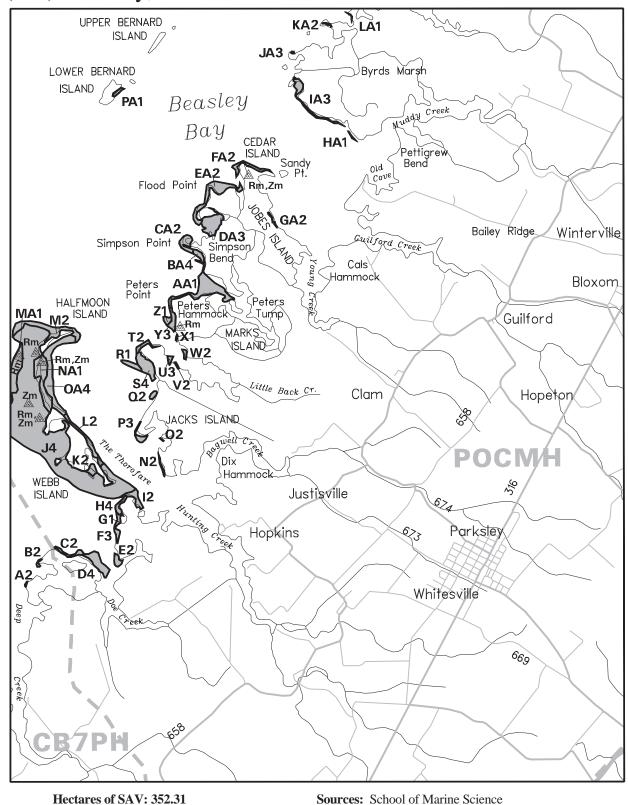


1000

2000 meters

College of William and Mary
U.S. Geological Survey

(109) Parksley, Va.



2000 meters

1000

Virginia Institute of Marine Science

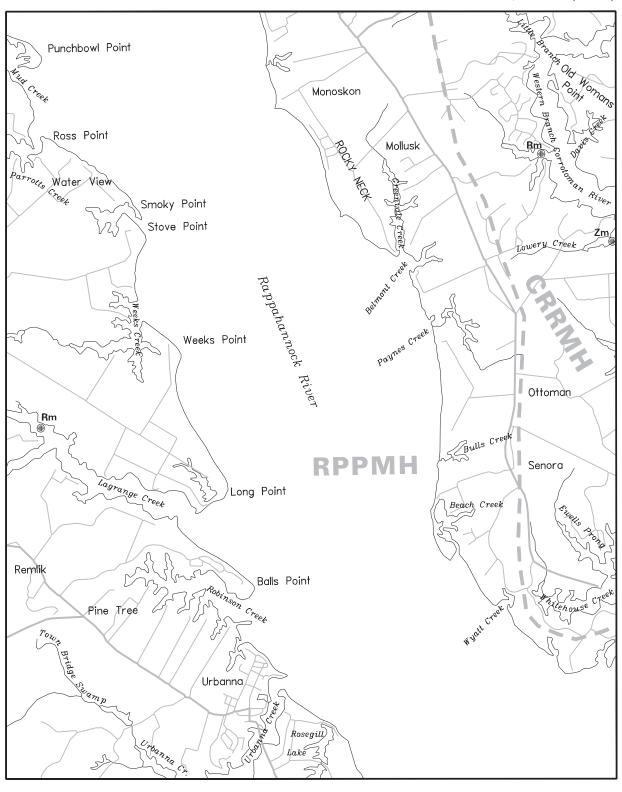
College of William and Mary

U.S. Geological Survey

246

Date Flown: 05/15

Urbanna, Va. (110)



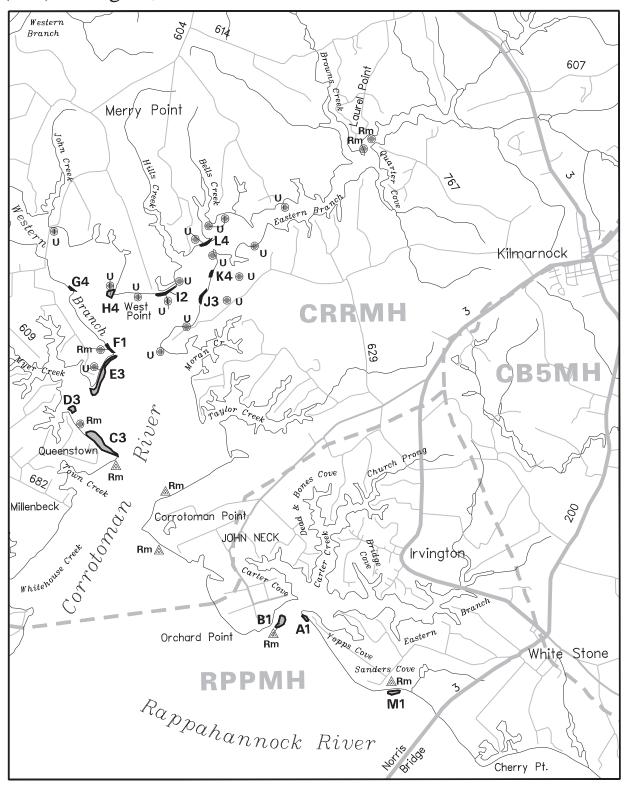
Hectares of SAV: 0.00 Date Flown: 07/02



Sources: School of Marine Science Virginia Institute of Marine Science College of William and Mary

U.S. Geological Survey

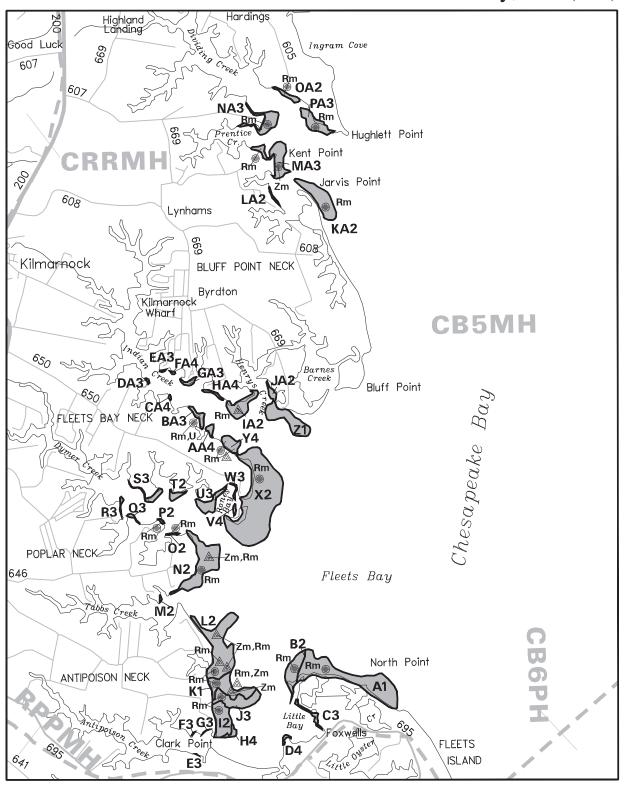
(111) Irvington, Va.



Hectares of SAV: 20.97
Date Flown: 07/02

1000 0 1000 2000 meters

Fleets Bay, Va. (112)

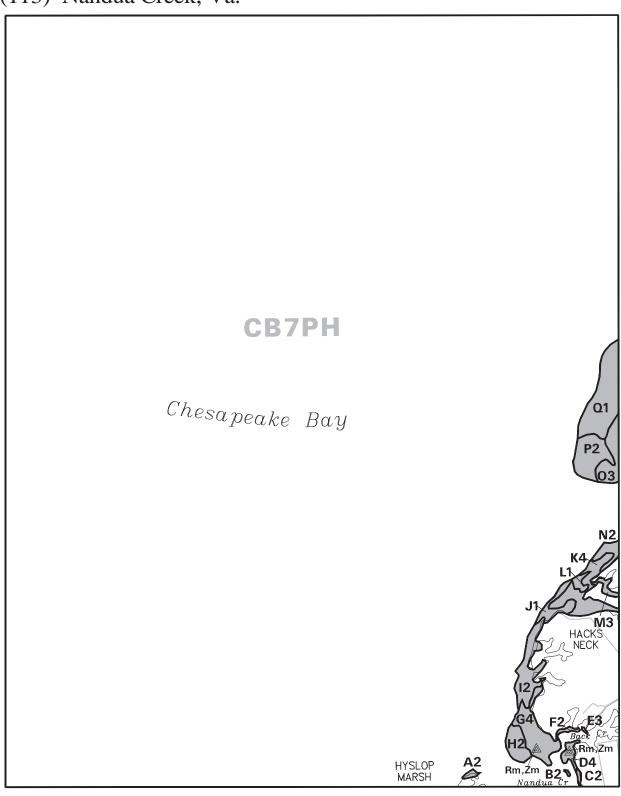


Hectares of SAV: 434.37

Date Flown: 05/16

1000 0 1000 2000 meters

(113) Nandua Creek, Va.



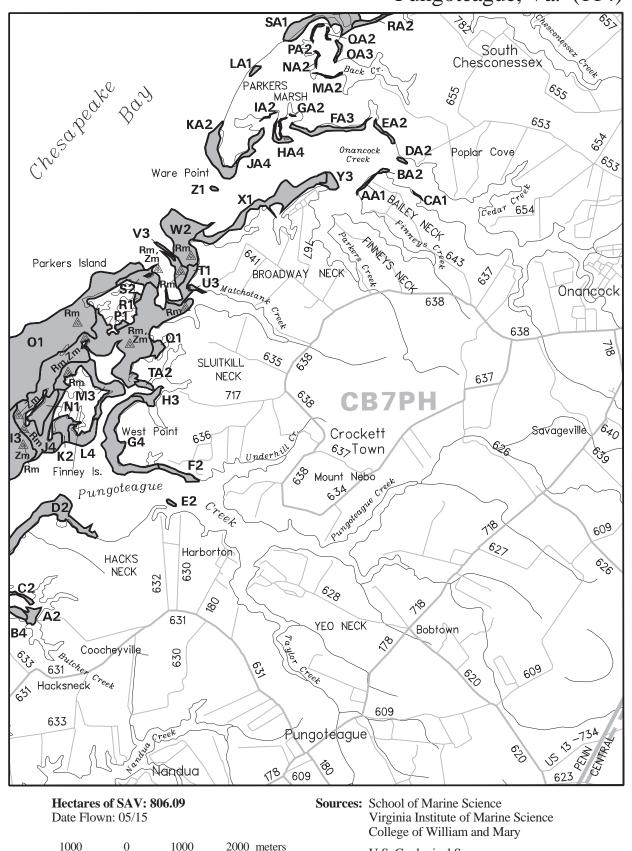
Hectares of SAV: 343.86 Date Flown: 05/15

1000 0 1000 2000 meters

Sources: School of Marine Science Virginia Institute of Marine Science College of William and Mary

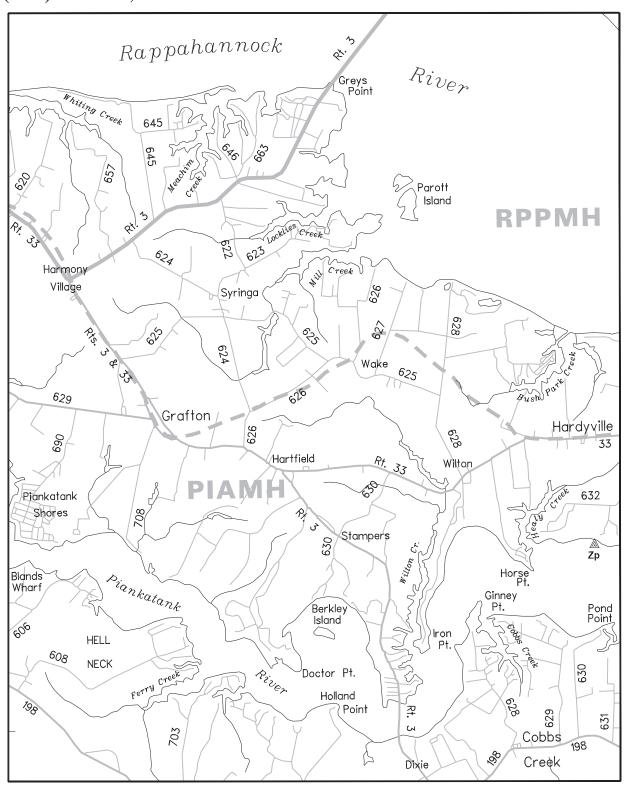
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Pungoteague, Va. (114)



U.S. Geological Survey

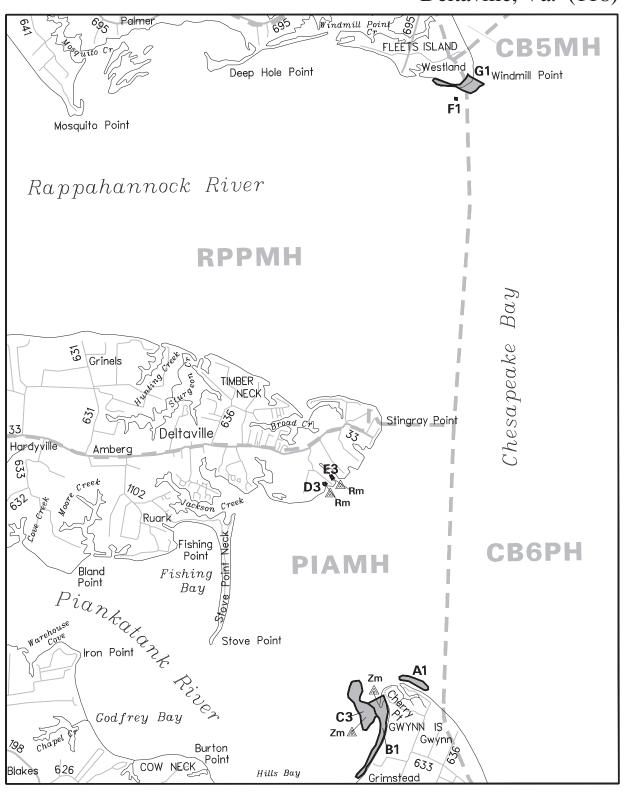
(117) Wilton, Va.



Hectares of SAV: 0.00
Date Flown: 05/18, 07/01

1000 0 1000 2000 meters

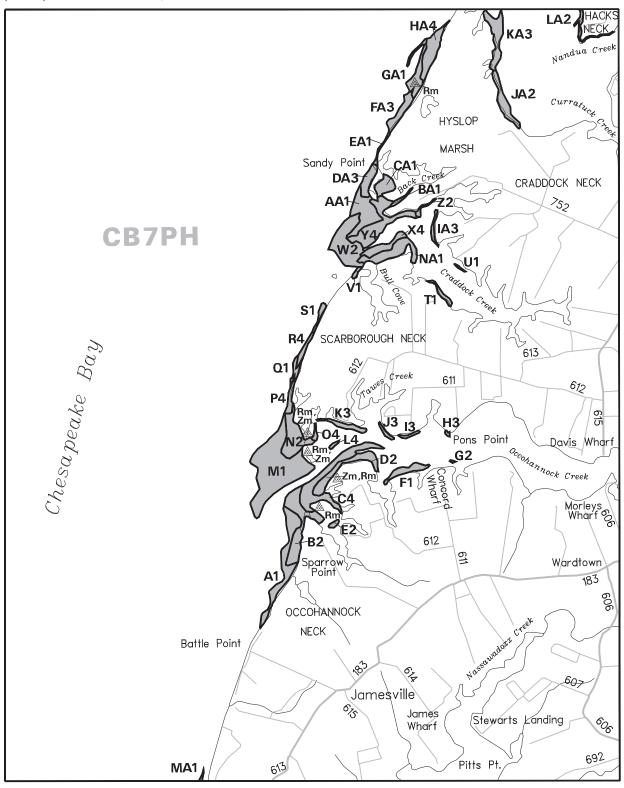
Deltaville, Va. (118)



Hectares of SAV: 55.00Date Flown: 05/16, 05/18, 06/18, 07/01, 07/02

1000 0 1000 2000 meters

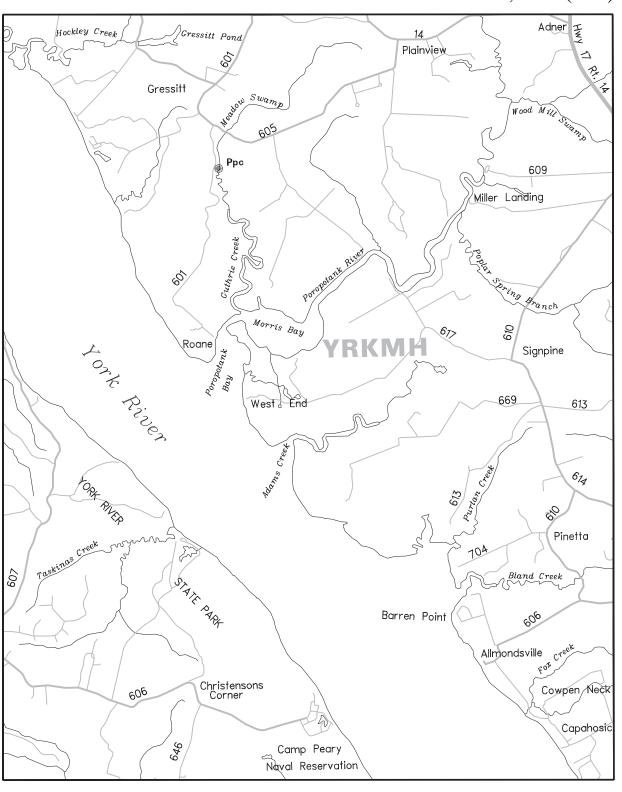
(119) Jamesville, Va.

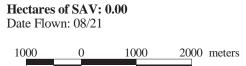


Hectares of SAV: 473.04
Date Flown: 05/15

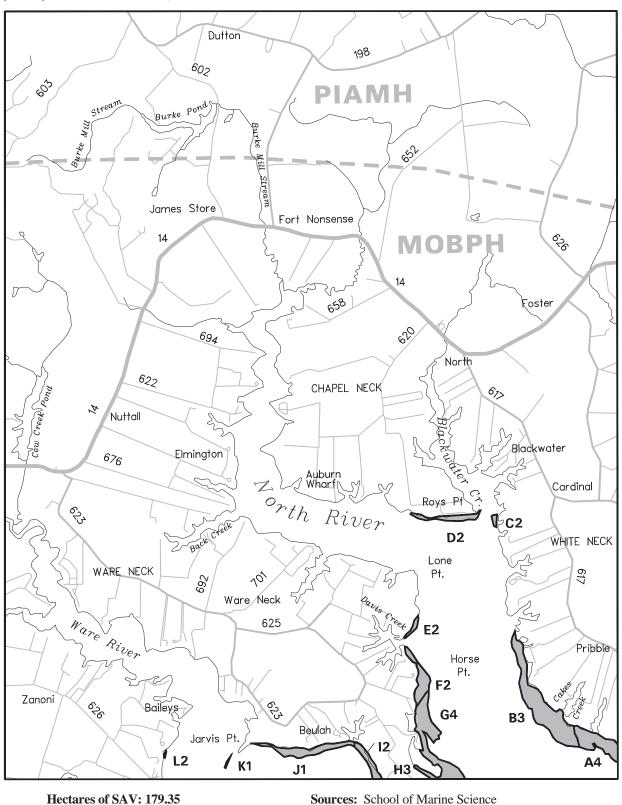
1000 0 1000 2000 meters

Gressitt, Va. (121)





(122) Ware Neck, Va.



Date Flown: 06/18

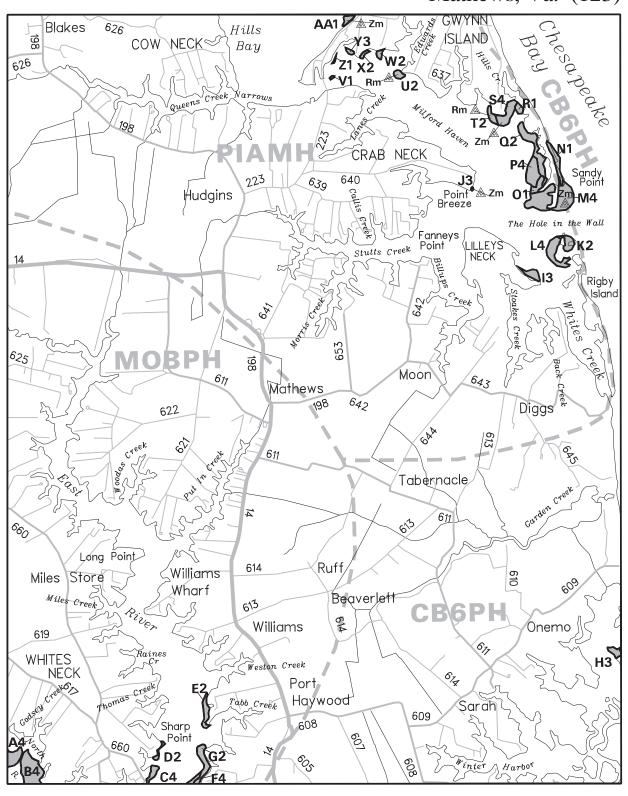
1000 0 1000

1000 0 1000 2000 meters

Sources: School of Marine Science Virginia Institute of Marine Science College of William and Mary

U.S. Geological Survey

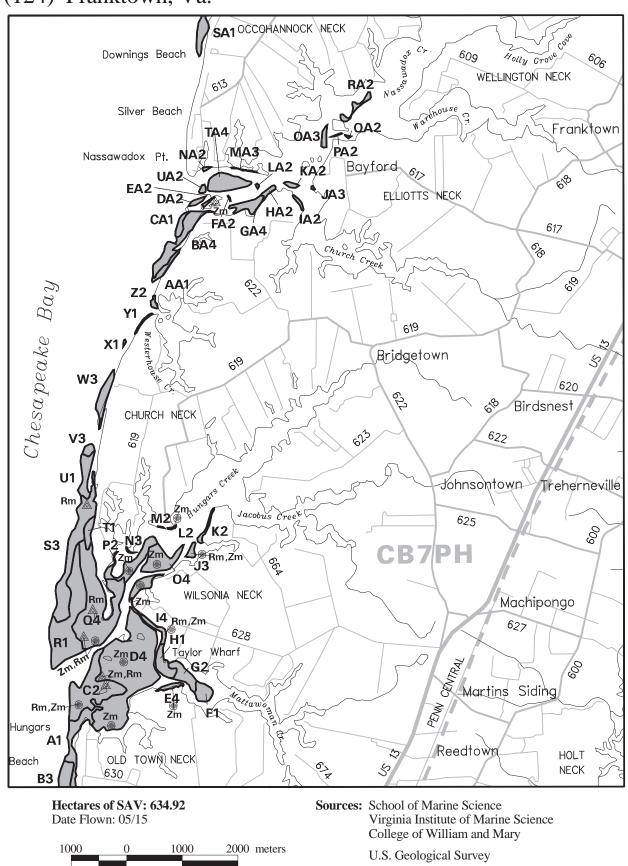
Mathews, Va. (123)



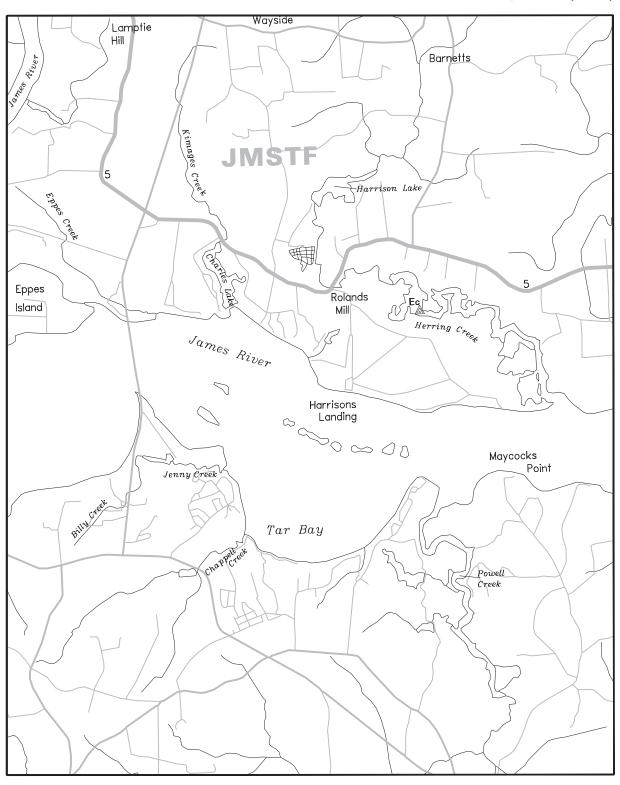
Hectares of SAV: 145.78 Date Flown: 06/18, 07/01

1000 0 1000 2000 meters

(124) Franktown, Va.



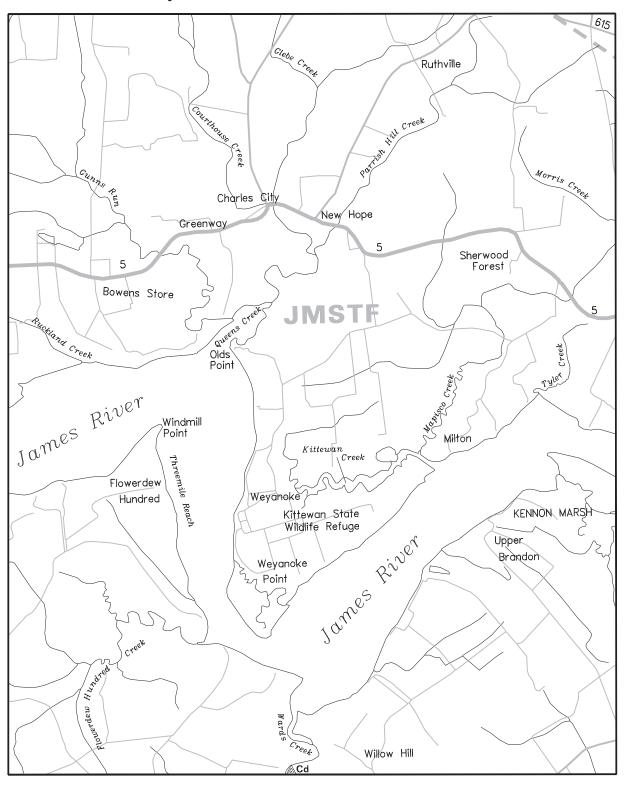
Westover, Va. (125)



Hectares of SAV: 0.00 Date Flown: 08/21

1000 0 1000 2000 meters

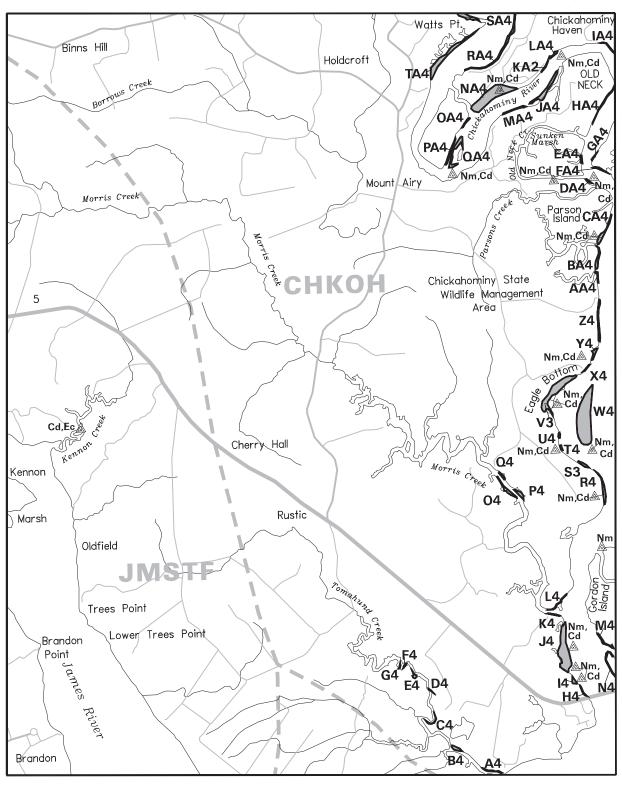
(126) Charles City, Va.



Hectares of SAV: 0.00
Date Flown: 08/21

1000 0 1000 2000 meters

Brandon, Va. (127)



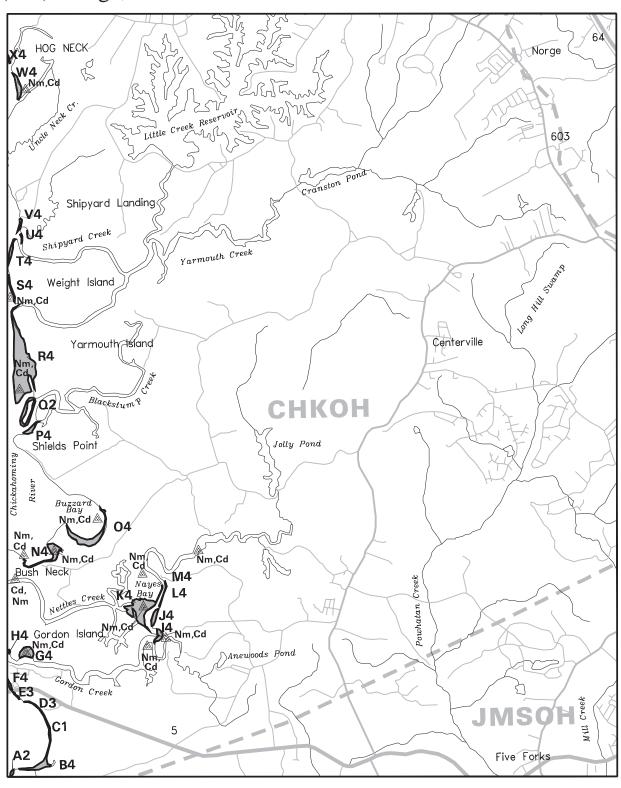
Hectares of SAV: 100.91 Date Flown: 07/22, 08/21, 09/09

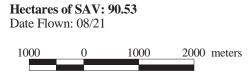


Sources: School of Marine Science Virginia Institute of Marine Science College of William and Mary

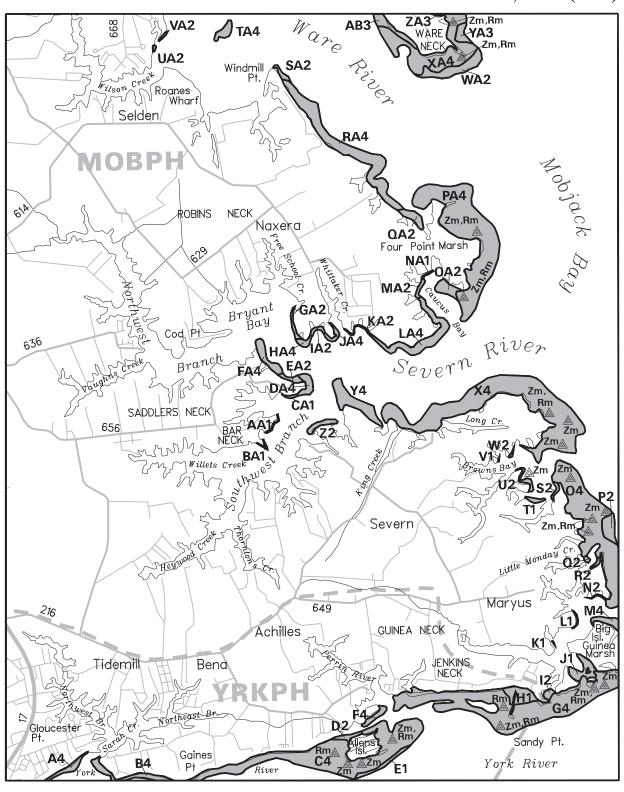
U.S. Geological Survey

(128) Norge, Va.





Achilles, Va. (131)

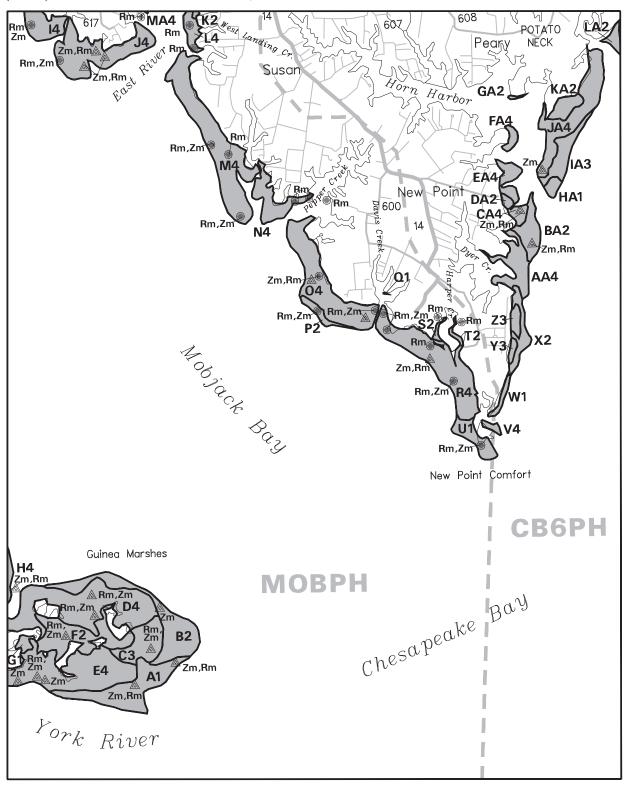


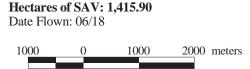
Hectares of SAV: 1,073.88

Date Flown: 06/18

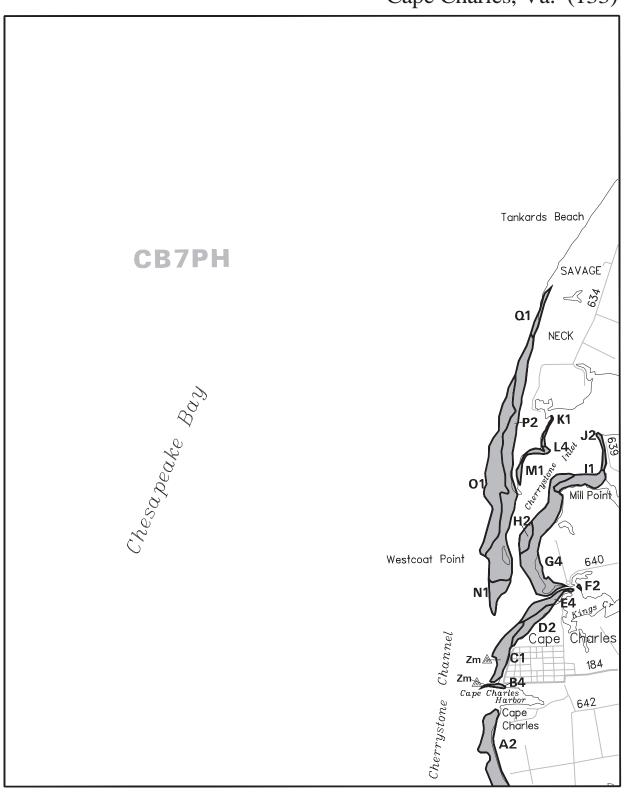
1000 0 1000 2000 meters

(132) New Point Comfort, Va.





Cape Charles, Va. (133)



Hectares of SAV: 357.11

Date Flown: 05/15

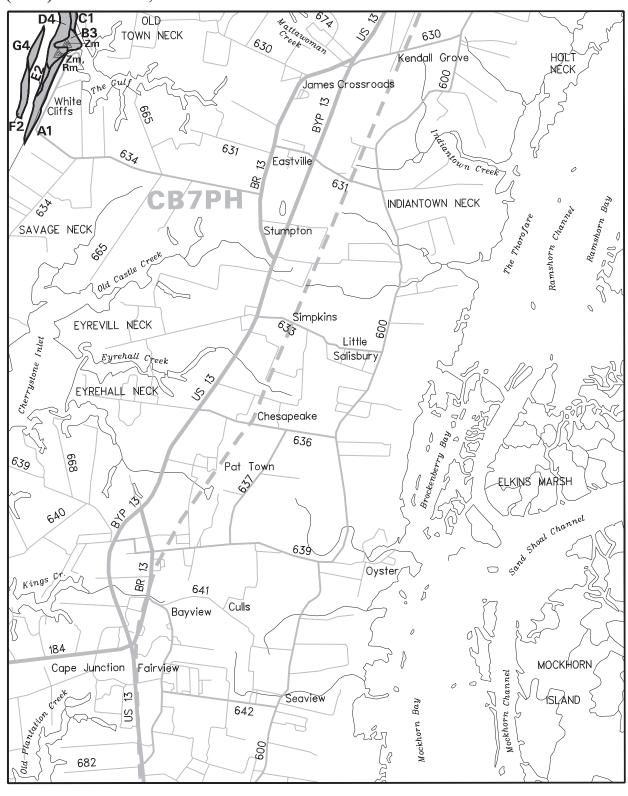


Sources: School of Marine Science

Virginia Institute of Marine Science College of William and Mary

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(134) Cheriton, Va.



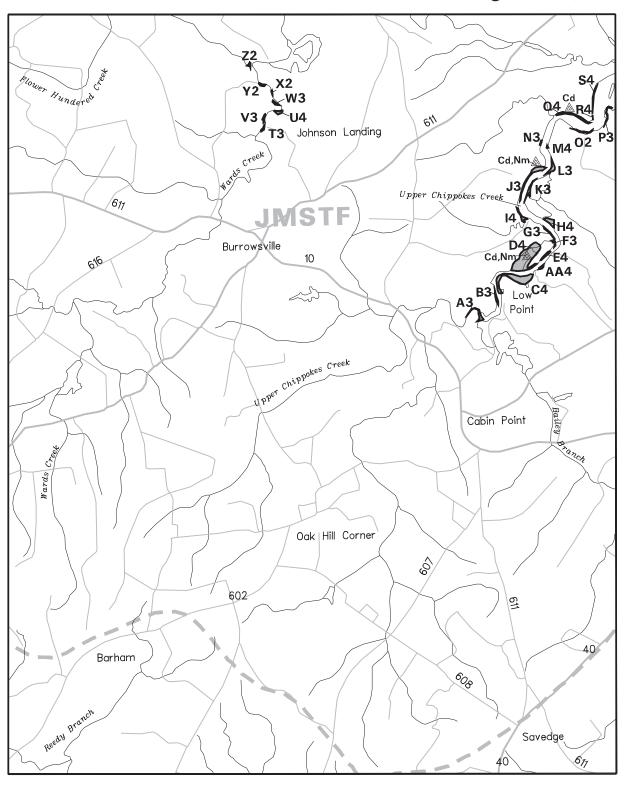
Hectares of SAV: 74.91 Date Flown: 05/15

1000 0 1000 2000 meters

Sources: School of Marine Science Virginia Institute of Marine Science College of William and Mary

U.S. Geological Survey

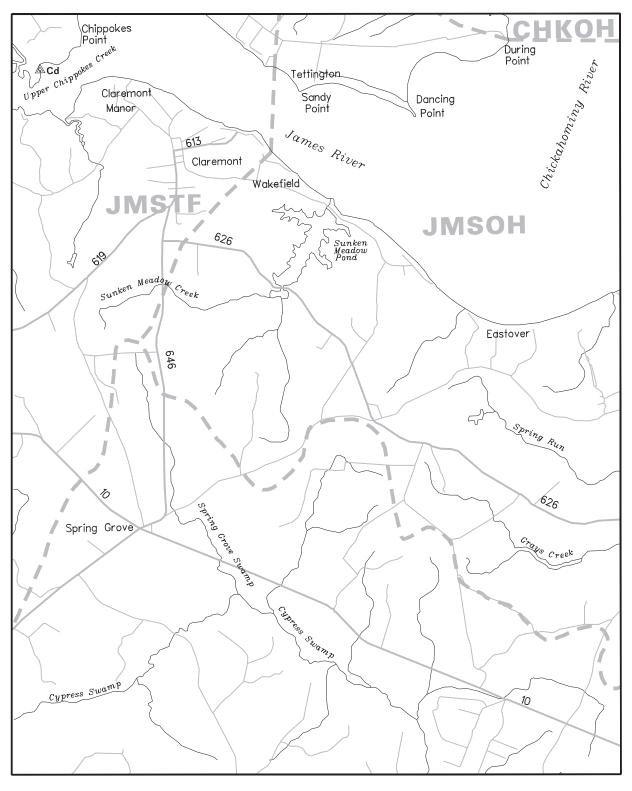
Savedge, Va. (135)



Hectares of SAV: 36.00 Date Flown: 09/09, 08/21

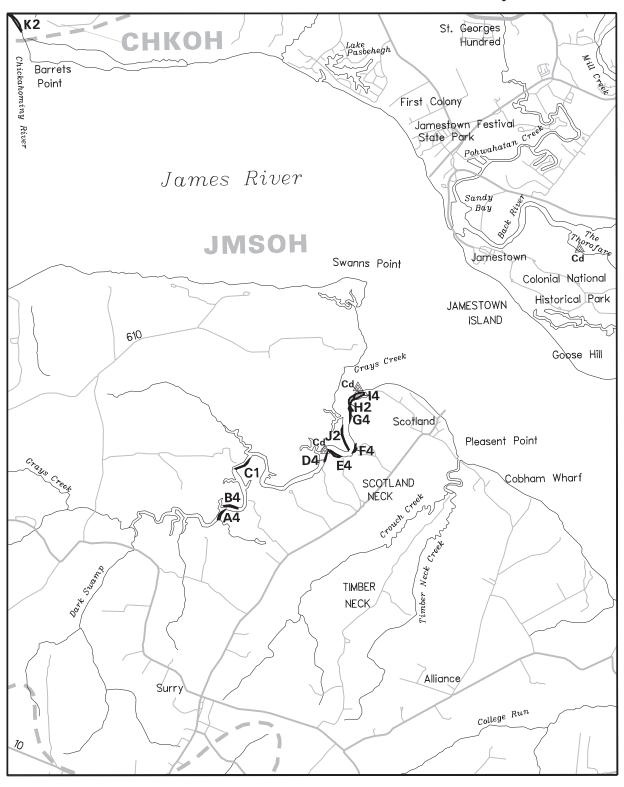
1000 0 1000 2000 meters

(136) Claremont, Va.



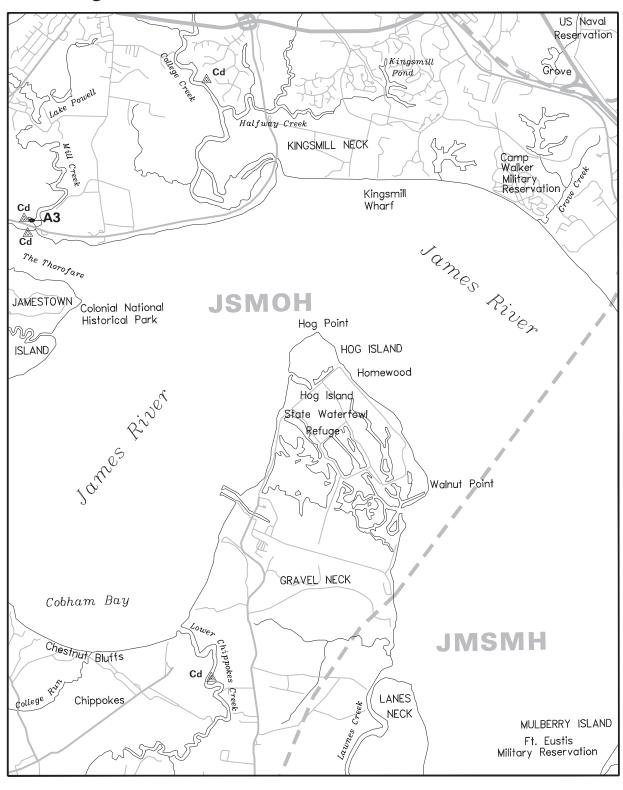


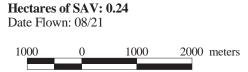
Surry, Va. (137)



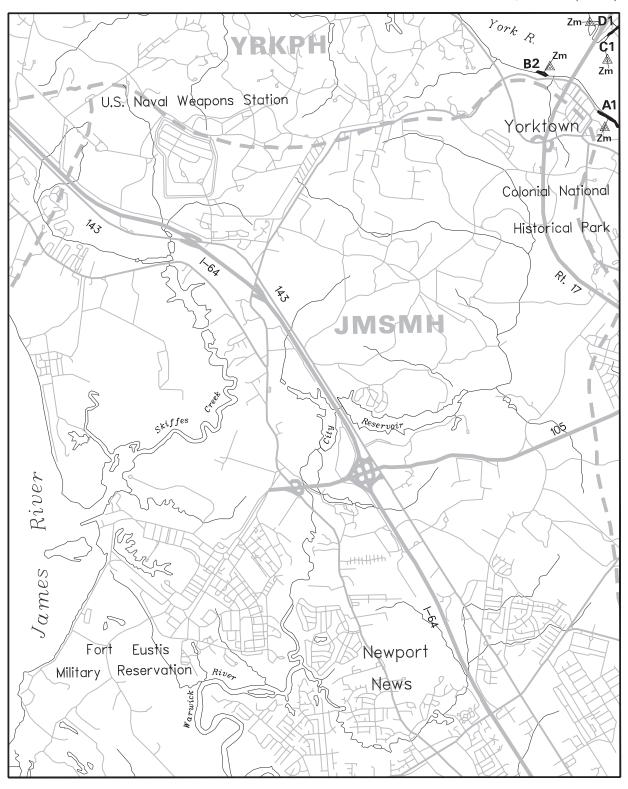


(138) Hog Island, Va.





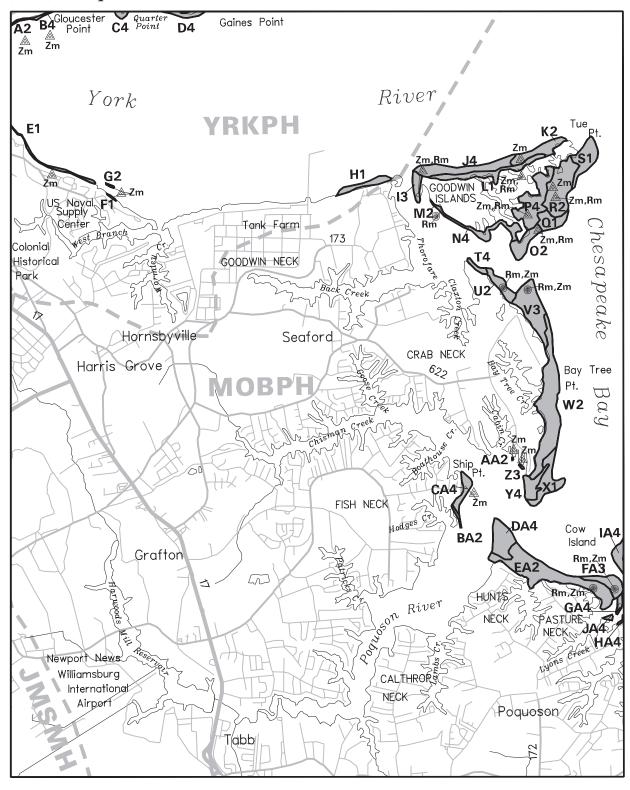
Yorktown, Va. (139)

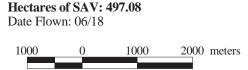


Hectares of SAV: 2.09 Date Flown: 06/18

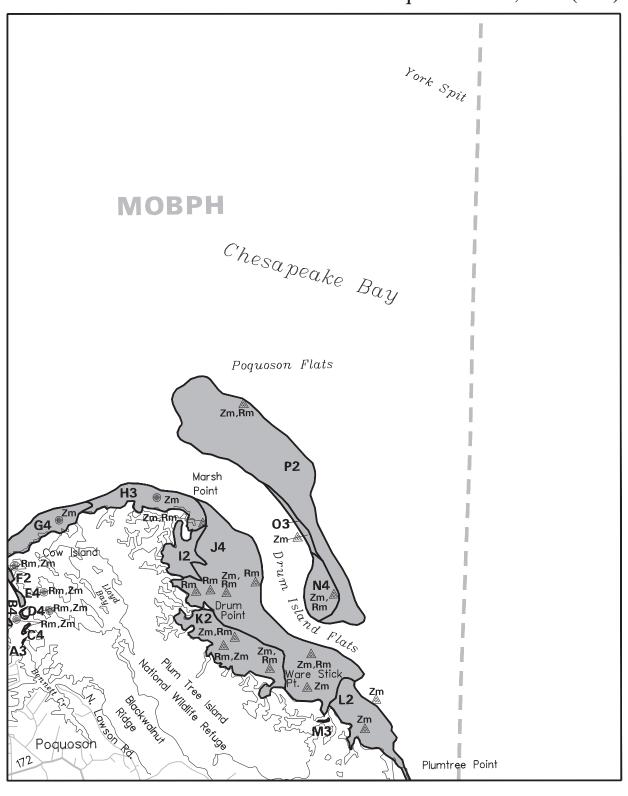
1000 0 1000 2000 meters

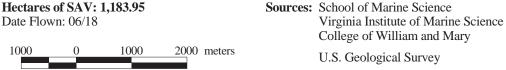
(140) Poquoson West, Va.



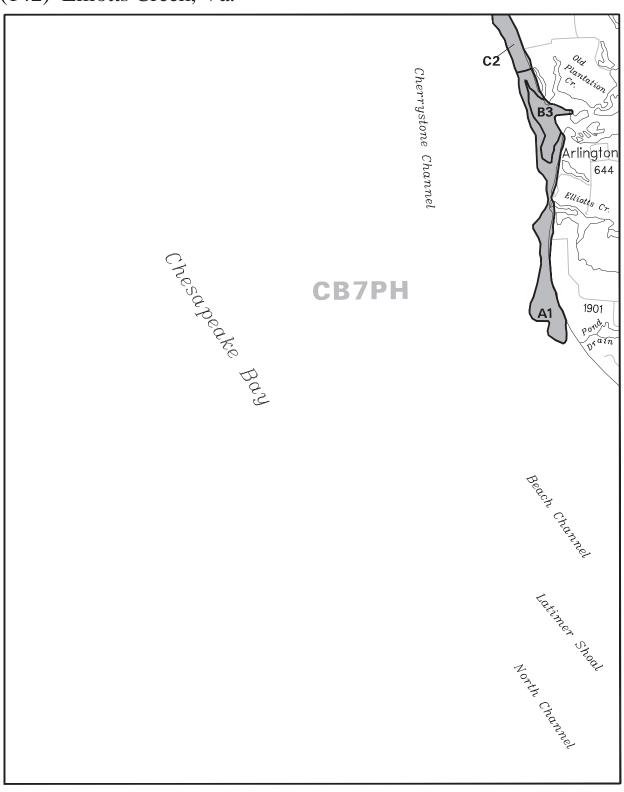


Poquoson East, Va. (141)





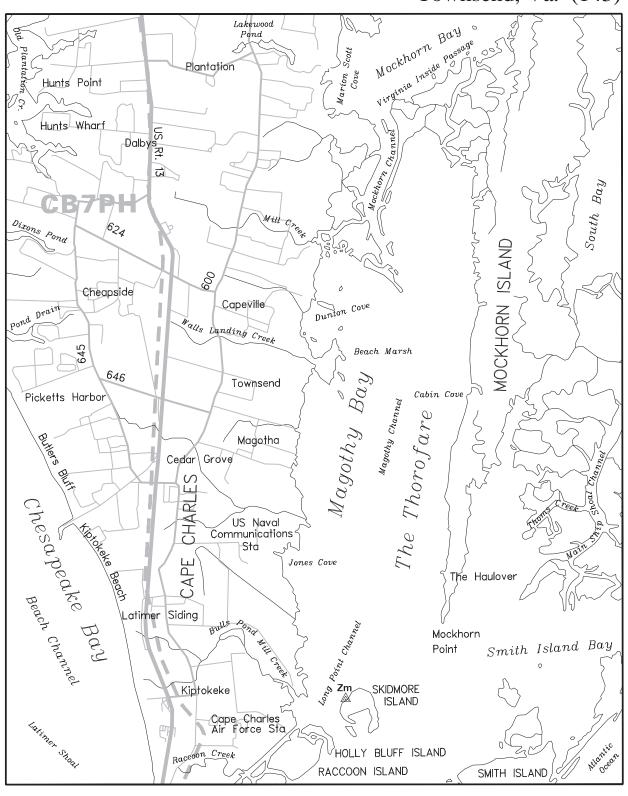
(142) Elliotts Creek, Va.



Hectares of SAV: 198.41
Date Flown: 05/18

1000 0 1000 2000 meters

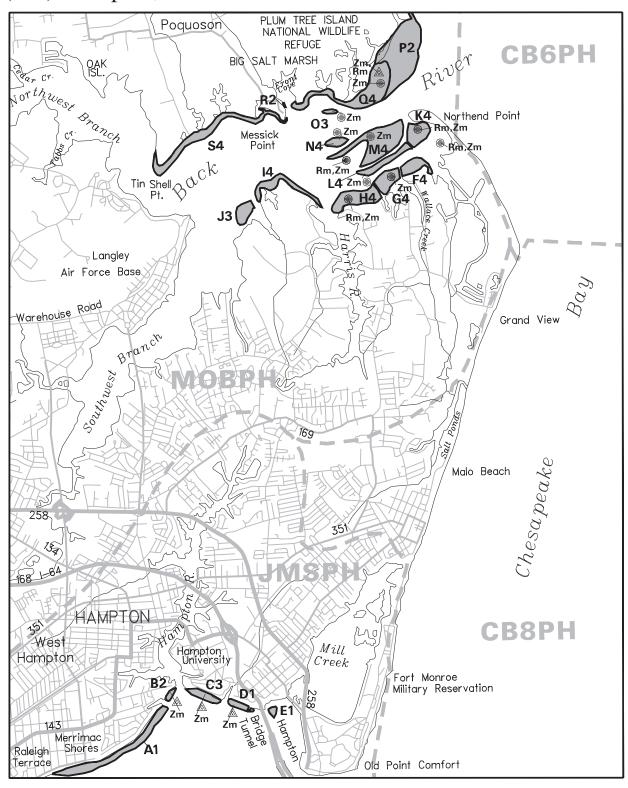
Townsend, Va. (143)



Hectares of SAV: 0.00
Date Flown: 06/18

1000 0 1000 2000 meters

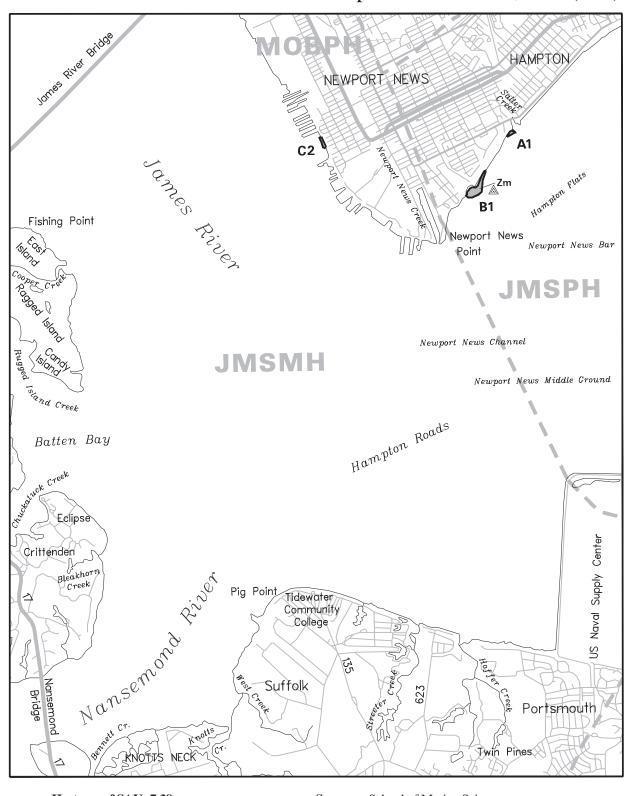
(147) Hampton, Va.



Hectares of SAV: 327.32
Date Flown: 06/18

1000 0 1000 2000 meters

Newport News South, Va. (149)



Hectares of SAV: 7.38

Date Flown: 06/18

Sources: School of Marine Science
Virginia Institute of Marine Science
College of William and Mary

U.S. Geological Survey