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12-1-1987

## Wetlands Board Bulletin Vol. II, No. 3

Virginia Institute of Marine Science

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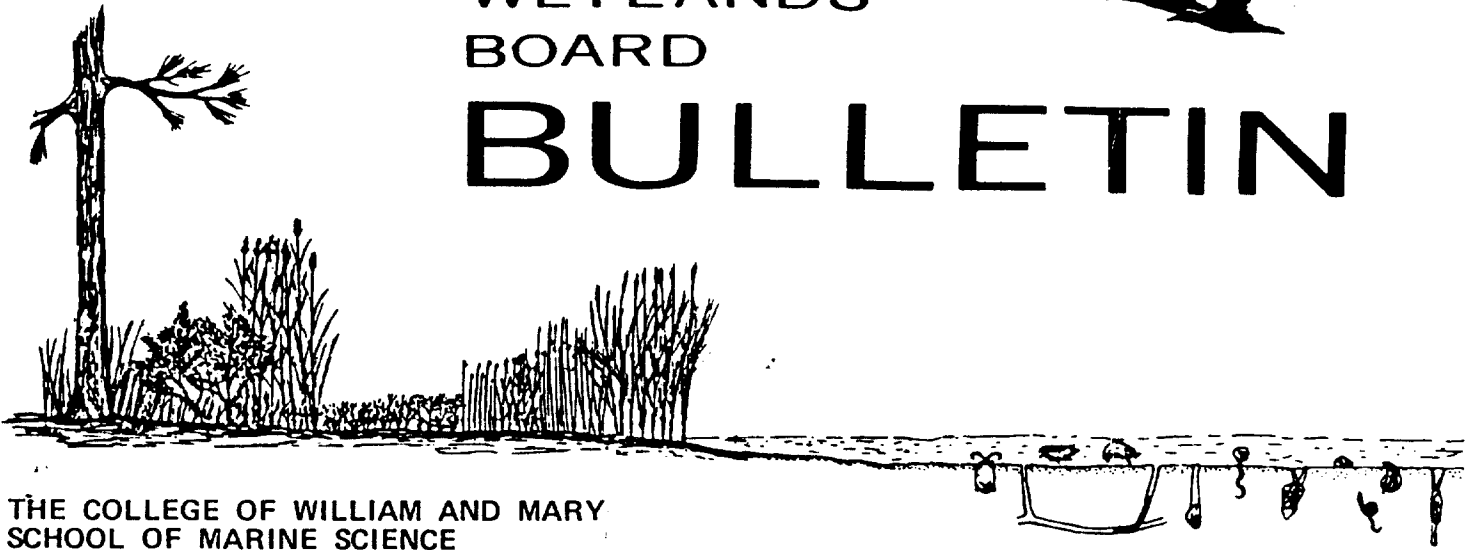
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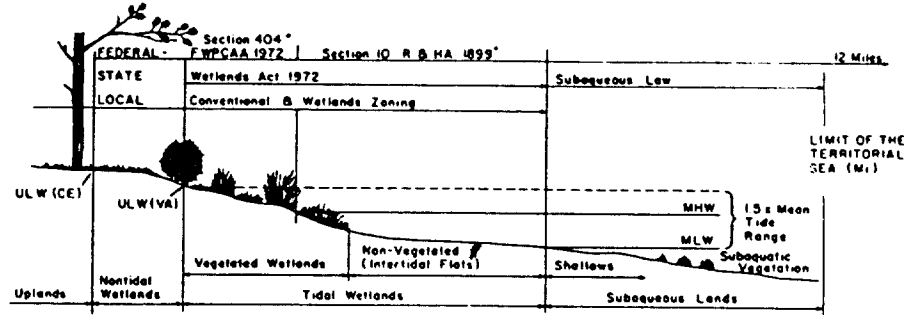


# WETLANDS BOARD BULLETIN

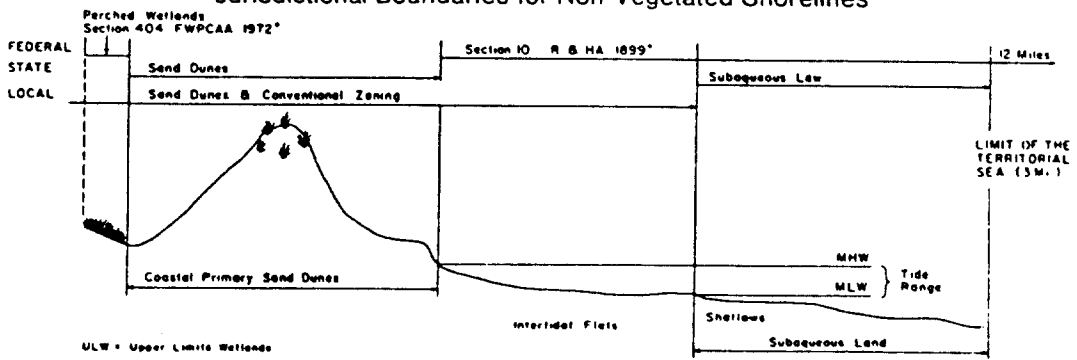
THE COLLEGE OF WILLIAM AND MARY  
SCHOOL OF MARINE SCIENCE  
VIRGINIA INSTITUTE OF MARINE SCIENCE

Vol. II, No. 3
Kirk J. Havens, Editor
December 1987

Jurisdictional Boundaries for Vegetated Shorelines



Jurisdictional Boundaries for Non-Vegetated Shorelines



ULW = Upper Limits Wetlands  
\* Federal Water Pollution Control Act Amendments of 1972  
River and Harbor Act of 1899

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## A note from the Virginia Marine Resources Commission

### WETLANDS PERMIT APPLICATIONS

	75-76	76-77	77-78	78-79	79-80	80-81	81-82	82-83	83-84	84-85	85-86
1. ACCOMACK	3	4	20	21	11	29	18	31	32	46	51
2. CHARLES CITY CO.	0	0	0	0	0	0	0	0	1	6	10
3. CHESAPEAKE	2	1	13	32	5	14	10	17	18	30	100
4. COLONIAL HEIGHTS	0	0	0	0	0	0	0	0	1	1	2
5. ESSEX CO.	1	2	3	1	1	1	10	14	24	21	15
6. FAIRFAX CO.	-	-	-	-	-	-	-	-	0	24	27
7. GLOUCESTER CO.	4	9	8	6	29	37	29	24	31	44	70
8. HAMPTON	4	3	23	10	8	16	22	34	29	40	35
9. HOPEWELL	0	1	0	0	0	0	0	0	0	0	1
10. ISLE OF WIGHT CO.	0	1	1	2	1	2	0	4	4	2	5
11. JAMES CITY CO.	1	0	4	0	2	0	2	8	12	27	23
12. KING GEORGE CO.	1	0	0	5	2	4	0	2	4	4	6
13. KING WILLIAM CO.	3	1	0	1	0	0	0	1	0	0	2
14. LANCASTER CO.	19	20	25	4	42	13	30	30	39	76	85
15. MATHEWS CO.	7	7	18	20	15	36	32	36	51	44	56
16. MIDDLESEX CO.	2	4	25	22	12	24	27	39	76	101	113
17. NEW KENT CO.	1	0	1	0	1	3	3	2	3	6	8
18. NORFOLK	0	0	0	0	0	0	0	29	34	29	74
19. NORTHAMPTON CO.	8	3	12	13	5	8	9	2	2	29	10
20. NORTHUMBERLAND CO.	13	11	17	12	18	4	1	33	30	137	132
21. POQUOSON	2	3	36	43	17	16	4	19	4	20	27
22. PRINCE WILLIAM CO.	0	1	2	0	0	2	1	3	14	13	23
23. RICHMOND CO.	1	1	4	7	2	5	3	4	5	13	4
24. STAFFORD CO.	0	1	4	0	3	6	2	0	0	12	16
25. SUFFOLK	0	0	2	1	12	5	5	0	3	16	12
26. VIRGINIA BEACH	26	11	35	15	34	102	60	86	133	218	237
27. WESTMORELAND CO.	1	4	7	4	8	12	15	3	15	21	34
28. WEST POINT	1	5	0	3	1	1	1	0	1	2	0
29. WILLIAMSBURG	0	9	0	0	0	0	0	0	0	0	0
30. YORK CO.	14	22	31	32	33	25	19	19	25	34	37
*VHRC FOR AREAS WITH NO WETLANDS BOARDS	1	3	3	4	5	7	4	6	18	20	31
	118	127	301	267	270	384	313	542	609	1036	1246

### WETLANDS PERMIT APPLICATIONS

FISCAL YEAR	TOTAL	APPROVED	DENIED	INACTIVE/ WITHDRAWN	GRAND- FATHERED	OTHER/NO PERMIT REQ'D
1972-73	147	112	23	5	5	2
1973-74	193	112	15	15	14	37
1974-75	134	78	12	8	7	29
1975-76	118	95	8	2	1	12
1976-77	127	69	5	1	2	50
1977-78	301	135	6	7	2	151
1978-79	267	94	7	4	3	159
1979-80	270	80	1	0	1	188
1980-81	384	111	7	2	1	263
1981-82	313	98	7	1	1	206
1982-83	542	219	20	9	6	288
1983-84	609	176	21	7	2	387
1984-85	1036	430	18	2	0	623
1985-86	1246	481	11	2	0	756

HAMPTON UNIVERSITY HAMPTON, VIRGINIA  
 CENTER FOR MARINE AND COASTAL ENVIRONMENTAL STUDIES  
**SEVENTH ANNUAL**  
**VIRGINIA WETLANDS**  
**MANAGEMENT SYMPOSIUM**  
 Saturday, February 6, 1988

**SPONSORS:** Virginia Marine Resources Commission and Hampton University Center for Marine and Coastal Environmental Studies

**PURPOSE:** To provide a forum for discussion of Coastal Development

**TIME AND PLACE:** 9:30 a.m. - 4:00 p.m. in the Turner Hall Auditorium at Hampton University (lunch will be served on campus)

**FORMAT:** Panel discussion and individual presentations with audience participation

**REGISTRATION FEE:** \$10.00 (nonrefundable - includes registration materials, coffee breaks, and lunch)

### Agenda

9:30 - 10:00 *REGISTRATION* (coffee and doughnuts provided)

10:00 - 10:10 *Welcome and Opening Remarks* - Dr. Robert O. Bonner, Dean of the School of Pure and Applied Sciences, Hampton University, and Commissioner William A. Pruitt, Virginia Marine Resources Commission

10:10 - 12:00 *Lead agency responsibilities in Coastal Resources Management*

PANEL

*Overview* - Keith Buttlesman, Administrator, Council on the Environment

*Monitoring of Networked State Regulatory Agencies* - David Kinsey, Coastal Resources Program Analyst

*Federal Consistency Reviews* - Jesse Roberts, Federal Consistency Coordinator

*Pass Through Grants Selection Process and Grants Administration* - J. B. Jackson, Coastal and Ocean Projects Coordinator

*Coastal Land Use Impacts and Planning Assistance to Local Governments*  
Keith Buttlesman

12:00 - 1:30 *Lunch on Campus* (Holly Tree Inn)

1:30 - 2:00 *Norfolk District U. S. Army Corps of Engineers' Proposed Local Program Regional Permit* - Bruce Williams, Chief-Permits Branch

2:00 - 2:30 *Tidal Marsh Inventory Program - Back on Track and Evolving*, Dr. Gene M. Silberhorn, Professor of Marine Science, Virginia Institute of Marine Science

2:30 - 3:00 *Shoreline Erosion, Mitigation Options and Reach Assessment in the Virginia Chesapeake Bay Estuarine System* - C. Scott Herdaway, Associate Marine Scientist, Virginia Institute of Marine Science

3:00 - 3:30 *Wetlands Mitigation/Compensation: General Policy Recommendations* - Tom Bernard, Assistant Professor of Marine Science, Virginia Institute of Marine Science

3:30 - 4:00 *Marinas and Community Piers: The Environmental "Tar Baby" of the Eighties* - Dr. Carl H. Hershner, Associate Professor of Marine Science Virginia Institute of Marine Science

4:00 - 4:05 *Summary Remarks* - Norm Larsen, Chief-Habitat Management, Virginia Marine Resources Commission

4:05 *Adjourn*

TIDAL  
VEGETATED WETLANDS AND SHORELINE  
INFORMATION BY POLITICAL  
SUBDIVISION

JURISDICTION	VEGETATED WETLANDS (ACRES)	TOTAL SHORELINE (MILES)	ANTHROPICALLY STABILIZED (MILES)	BEACH (MILES)	FRIDGE MARSH (MILES)	DRAINED MARSH (MILES)	EXTENSIVE MARSH (MILES)
*Accomack	70,370.0	489.8	7.6	93.6	114.6	21.0	253.0
*Alexandria	8.7	6.1	NS	NS	NS	NS	NS
*Arlington	4.9	10.5	NS	NS	NS	NS	NS
*Caroline	485.0	42.6	0.1	1.5	20.6	5.1	15.4
*Charles City	3,890.0	121.2	1.5	18.3	32.6	52.3	16.6
*Chesapeake (E)	2,000.0	114.0	22.7	2.5	60.6	28.3	0.0
*Chesterfield	857.0	45.2	0.9	0.0	26.2	0.6	17.5
*Colonial Heights	71.0	14.9	NS	NS	NS	NS	NS
*Essex	5,214.0	150.8	7.6	16.5	38.2	49.3	39.2
*Fairfax County	920.1	98.0	13.7	20.1	39.2	18.6	6.3
*Fredericksburg	0.3	4.1	NS	NS	NS	NS	NS
*Gloucester	6,329.0	296.4	13.1	27.4	160.3	46.5	49.1
*Hampton	2,221.0	63.6	23.4	7.8	20.9	7.3	4.2
*Hanover (E)	200.0	19.0	NS	NS	NS	NS	NS
*Henrico	194.0	35.0	0.2	0.0	26.1	1.6	7.1
*Hopewell	42.7	10.6	NS	NS	NS	NS	NS
*Isle of Wight	5,377.7	79.6	1.9	13.0	14.0	23.9	26.8
*James City County	7,015.0	152.0	4.7	13.7	58.1	24.6	50.9
*King & Queen (E)	5,000.0	71.1	0.1	3.2	25.5	16.2	26.1
*King George	2,122.0	131.3	5.4	22.0	43.3	43.7	17.0
*King William (E)	8,100.0	118.5	1.1		47.4	6.6	63.4
*Lancaster	1,190.7	276.9	14.0	25.7	191.0	33.6	12.3
*Mathews	2,937.2	214.6	1.8	34.4	153.1	10.9	14.4
*Middlesex	1,675.0	186.5	28.3	32.8	92.8	24.2	8.4
*New Kent	5,467.0	83.3	0.4	1.2	24.6	11.2	45.9
*Newport News	2,883.0	46.5	7.1	6.3	10.3	11.1	11.0
*Norfolk	610.0	146.2	73.2	6.2	57.0	9.4	0.5
*Northampton	37,629.0	261.4	0.9	62.2	131.0	34.2	33.0
*Northumberland	1,560.0	438.4	23.2	44.1	324.0	32.8	14.4
*Petersburg	6.5	3.0	NS	NS	NS	NS	NS
*Poquoson	4,998.0	26.6	NS	NS	NS	NS	NS
*Portsmouth	300.0	85.5	39.1	2.6	32.7	10.7	0.0
*Prince George	1,506.8	92.5	1.8	16.4	19.3	48.1	6.8
*Prince William	900.0	57.4	5.8	11.7	10.4	20.8	8.8
*Richmond City	2.0	7.1	0.5	0.0	6.6	0.0	0.0
*Richmond County (E)	3,500.0	141.9	4.4	21.0	35.4	56.1	24.9
*Spotsylvania	7.3	7.2	NS	NS	NS	NS	NS
*Stafford	1,337.0	71.5	4.6	31.8	22.4	6.6	6.1
*Suffolk	5,622.0	113.1	3.3	2.6	28.9	74.2	4.3
*Surry	1,848.0	66.0	0.7	24.9	10.1	26.0	4.3
*Virginia Beach	**13,908.9	378.0	64.8	42.9	148.1	23.6	98.1
*Westmoreland	2,590.0	252.2	17.3	34.5	139.3	46.3	14.9
*West Point (Town)	768.2	17.2	NS	NS	NS	NS	NS
*Williamsburg	24.0	0.5	NS	NS	NS	NS	NS
*York	1,933.0	194.7	18.0	19.1	100.5	25.6	31.5
45 TOTAL***	213,686.0	5,242.5	413.2	660.0	2,265.1	851.0	932.2
30 Wetlands Bds							
15 No Board							

\*Ordinance Adopted and Local Board Assigned (E) = Estimate

\*No Ordinance, No Local Board

\*\*Includes North Landing River

\*\*\*Fairfax City and Falls Church not included; no vegetated or non-vegetated tidal shoreline in either city

N.S. - Not surveyed

All data provided by the Wetlands and Geological Oceanography Depts of the V.I.M.S.

Revised 01/88

## Editor's Note

The following is a copy of the Wetlands and Coastal Primary Sand Dune Violation Procedures for the City of Norfolk Wetlands Board. Other wetlands boards may find this useful in their cities or counties.



### Wetlands and Coastal Primary Sand Dune Violation Procedures

- I. Violation observed or referral by Citizen or Governmental Agency
- II. Initial Site Inspection
  - A. Refer to city aerial photographs and topographic maps
  - B. Obtain measurements from ground reference points
  - C. Photograph violation
- III. Reinspection with VIMS Advisor
- IV. Action: No Violation Found
  - A. Notify property owner if fill material or equipment is adjacent to marsh or dune
  - B. Notify referral party or agency
- V. Action: Violation Found
  - A. Staff (Environmental Services) issues a notice to cease work
    1. Certified letter to property owner of record with return receipt. Remail certified letter if unclaimed.
    2. Include interim protective measures as recommended by VIMS Advisor (ex., straw bale barrier, sand fence).
    3. Direct violator to contact Environmental Services within seven (7) days to arrange a meeting on site.
  - B. Failure to comply, with notice to cease work
    1. Staff (Environmental Services) shall advise Chairman of the Wetlands Board. Special board meeting may be called as directed by Chairman.
    2. Board's attorney may immediately seek injunctive relief.
- VI. Site Meeting with Violator
  - A. Invite Corps, VMRC & VIMS representatives, as necessary
  - B. Determine the project purpose
  - C. Past filling or grading dates
  - D. Names of any contractors involved (notify them of notice to cease work)
  - E. Inform violator of permit requirements and regulations
- VII. Staff Investigation of Violation
  - A. Conduct a title search to verify ownership of property since 1972 (Wetlands) and 1980 (Dunes)
  - B. Determine approximate square footage of wetlands or dunes disturbed or displaced
    1. Refer to City aerials and topographic maps (1974), U. S. Army Corps of Engineers aerials (1979 and 1982) and VIMS shoreline assessment photographs.
    2. Perform soil borings, as necessary, with assistance from Board's Technical Advisor from VIMS.
  - C. Mail certified letter with return receipt to property owner
    1. Detail the extent of the violation
    2. Request property owner to appear before Board to show cause why they should not be held in violation of Wetlands/Dunes Ordinance
- VIII. Bring Matter Before Board at Next Scheduled Meeting
  - A. Staff presentation of violation
  - B. Staff recommendation:
    1. Require violator to submit an after-the-fact application.
    2. Direct restoration with Board ordering what corrective action is to be taken with a thirty (30) day time limit for compliance.
- IX. After-the-Fact Application
  - A. Follow prescribed notice and public hearing procedures
- X. Restoration Order
  - A. Board directs staff to prepare restoration order and forward to violator (certified mail-return receipt)
  - B. Non-compliance may result in appropriate legal action by Board's Staff Attorney
- XI. Reinspection of Site as Necessary

809 City Hall Building • Norfolk, Virginia 23501 • (804) 441-3671

### This issues quote

*"The creeks overflow; a thousand rivulets run  
'Twixt the roots of the sod; the blades of the marsh grass stir;  
Passeth a hurrying sound of wings that westward whirr;  
Passeth, and all is still; and the currents cease to run;  
And the sea and the marsh are one.*

*How still the plains of the waters be!  
The tide is in his ecstasy.  
The tide is at his highest height-  
And it is night.*

*And now from the Vast of the Lord will the waters of sleep  
roll in on the souls of men,  
But who will reveal to our waking ken  
The forms that swim and the shapes that creep  
Under the waters of sleep?  
And I would I could know what swimmeth below when the tide comes in  
On the length and the breadth of the marvelous marshes of Glynn."*

(Sidney Lanier, excerpts from "The Marshes of Glynn", 1878)

Accomack

W. Samuel Nelson, III, Chairman  
Contact: C. M. Powell, Secretary, 804/787-4069

Charles City

A. M. Hofmeyer, Jr., Chairman  
Contact: Lloyd O. Jones, County Administrator, 804/829-2401, ext. 201

Chesapeake

Luke M. Brown, Chairman  
Contact: Max S. Taback, Secretary, 804/547-6176

Colonial Heights

Walter G. Parker, Jr., Chairman  
Contact: Stephen H. Manster, 804/526-8869

Essex

Fred L. Garrett, III, Chairman  
Contact: James F. Moore, County Administrator, 804/443-4331

Fairfax

Elizabeth S. Hartwell, Chairman  
Contact: Bill Swietlik, 703/691-4335

Gloucester

David D. Penny, Chairman  
Contact: Linda Sprague 804/693-4040

Hampton

R. M. Donaldson, Chairman  
Contact: David L. Watson, Staff Coordinator, 804/727-6140

Hopewell

Curtis W. Harris, Chairman  
Contact: Martin Martin, Secretary, 804/541-2267

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Contact: Juanita L. Byrum, Secretary, 804/357-3191

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King William

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Lancaster

Fred Ajootian, Chairman  
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Prince William Co.

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Contact: M. Foushee, 703-335-6830

Mathews

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Contact: Katheryn Diggs, Secretary, 804/725-7171

Middlesex

Sherman T. Holmes, Chairman  
Contact: Kachy Wilson, Secretary, 804/758-4305

New Kent

C. B. Penzkofer, Chairman  
Contact: Mr. H. Garrett Hart, III 804/966-9861

Norfolk

Carvel Blair, Chairman  
Contact: Lee Rosenberg, Assistant Manager, 804/441-2152

Northampton

Edward C. Warren, Chairman  
Contact: John L. Humphrey, Secretary, 804/678-5872

Northumberland

Wallace E. Lewis, Chairman  
Contact: Kenneth D. Eades, Zoning Administrator, 804/580-7666

Poquoson

Robert S. Forrest, Chairman  
Contact: Sherry Harless, Clerk, 804/868-7151, ext. 25

Richmond

Thomas J. Boswell, Chairman  
Contact: Stephen K. Whiteway, County Administrator, 804/333-3415

Stafford

Charles W. Dean, Chairman  
Contact: J. R. Hill, Jr., 703-659-8668

Suffolk

W. E. Ashley, Jr., Chairman  
Contact: Robert L. Barnett, Building Official, 804/934-3111

Virginia Beach

C. H. Dorchester, Chairman  
Contact: Wayne Couch, 804/427-4131

Westmoreland

Preston C. Hodges, Chairman  
Contact: Howard W. Woodhead, Secretary, 804/493-8911, ext. 211

West Point

Stuart Petke, Chairman  
Contact: Stuart Petke, 804/843-2348

Williamsburg

Thaddeus Tate, Chairman  
Contact: William A. Mettler, Planning Director, 804/229-8511

York

John K. Kane, II, Chairman  
Contact: Ken Robertson 804/898-0080

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Readers are asked to submit responsible questions concerning wetland ecology to Editor, Wetlands Board Bulletin, Virginia Institute of Marine Science, Wetlands Program, Gloucester Point, VA 23062. The editors reserve the right to edit letters for clarity and space.