

Tidal Wetlands Management Technical Support

Dawn Fleming

October 11, 2010

Grant #NA09NOS4190163

Task #8

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Product #1 - Report on permit application reviews

Sample Incomplete Formspages 3-4

Sample VIMS Reportpages 5-8

The Center for Coastal Resource Management's Wetlands Program staff provides written recommendations from an environmental perspective on tidal shoreline projects that have been assigned a VMRC number and include the minimal information needed for project assessment. Attached are sample Incomplete Forms and a VIMS Report.

Product #2 – Outreach publications on disk

Rivers and Coast, Winter 2010, Vol. 5, No. 1 - Shallow Water Dredging

Rivers and Coast, Summer 2010, Vol. 5, No. 2 - Integrated Shoreline Management Decision Tree for Untreated Shorelines

Virginia Wetlands Report, Spring 2010, Vol. 25, Issue 1 - Coastal Management Decision Tools

Virginia Wetlands Report, Fall 2010, Vol. 25, Issue 2 – Living Shorelines Website Updates

CCRM e-News, October 2009 - (wetlands boards decisions, workshop announcement)

CCRM e-News, December 2009 - (climate change, sea-level rise planning maps)

CCRM e-News, February 2010 - (workshop announcement, marine debris)

CCRM e-News, October 2010 - (workshop announcement, living shorelines website updates)

Product #3 – Wetlands Program database

Reports Posted Online..... pages 9-22

CCRM posts tidal wetland Joint Permit Applications with associated photos, additional information and VIMS Reports in a searchable database on our website. Attached is a listing of all the applications that were posted to our website with a VIMS Report for this grant year.

Summary

This grant provides financial support for wetlands management technical assistance provided by Virginia Institute of Marine Science Wetlands Program staff. Specifically, this project supports routine advisories and impact assessment preparation for VIMS Reports, publication of technical reports and newsletters, and the maintenance of a permit database website.

LOCALITY: Virginia Beach

The following information is the minimal required for VIMS to conduct an assessment of an application. Additional information may be required and requested for specific projects; however, ALL applications must provide the minimum information before VIMS will conduct an evaluation of a project.

Applications NOT providing the minimal information prior to the 20 day public notice notification deadline will not be evaluated and a shoreline report will NOT be generated for the project.

NOTE: This review does not serve to determine application completeness for local wetland boards or other regulatory agencies or advisory authorities.

A detailed description of the project is provided? Yes [checked] No []

Comments:

Location of the project (911 address or latitude/longitude) is provided? Yes [checked] No []

Specific driving directions or detailed vicinity map is provided? (Can project be located?) Yes [checked] No []

Comments:

A scaled PLAN VIEW (or with dimensions) is provided? Yes [checked] No []

Plan is readable? Yes [checked] No []

MHW and MLW clearly are depicted? Yes [checked] No []

Proposed project location is identified? Yes [checked] No []

A scaled CROSS SECTION (or with dimensions) is provided? Yes [checked] No []

For each proposed structure? Yes [checked] No []

Cross Section(s) is (are) readable? Yes [checked] No []

MHW and MLW are clearly depicted? Yes [] No [X]

Comments: Primary Sand dune...MHW and MLW not as necessary

Information provided is consistent? Yes [checked] No []

Comments:

Benchmark distances are provided? houses surveyed, distances to PL Yes [checked] No []

Distances are from permanent points of reference? Yes [] No []

Distances are readable? Yes [] No []

Application provides the MINIMAL information required: [checked]

Application does NOT provide the minimal information required - Additional info necessary []

FINAL REVIEW: Minimum still not met - NO REPORT WILL BE GENERATED []

LOCALITY: **Suffolk**

The following information is the **minimal** required for VIMS to conduct an assessment of an application. Additional information may be required and requested for specific projects; however, **ALL** applications must provide the minimum information before VIMS will conduct an evaluation of a project.

Applications NOT providing the minimal information prior to the 20 day public notice notification deadline will not be evaluated and a shoreline report will NOT be generated for the project.

NOTE: This review does not serve to determine application completeness for local wetland boards or other regulatory agencies or advisory authorities.

A detailed description of the project is provided? Yes No

Comments:

Location of the project (911 address or latitude/longitude) is provided? Yes No

Specific driving directions or detailed vicinity map is provided? Yes No
(Can project be located?)

Comments: **Yes, but information is not consistent...see below**

A scaled PLAN VIEW (or with dimensions) is provided? Yes No

Plan is readable? Yes No

MHW and MLW clearly are depicted? Yes No

Proposed project location is identified? Yes No

A scaled CROSS SECTION (or with dimensions) is provided? Yes No

For each proposed structure? Yes No

Cross Section(s) is (are) readable? Yes No

MHW and MLW are clearly depicted? Yes No

Comments:

Information provided is consistent? Yes No

Comments: **The application states address as 4017 River Park Drive. Subdivision layout map shows road as North River Road. Vicinity road map indicates 4019 Riverpoint Dr.**

No directions are provided
Benchmark distances are provided? Yes No

Distances are from permanent points of reference? Yes No

Distances are readable? Yes No

Application provides the MINIMAL information required:

Application does NOT provide the minimal information required - Additional info necessary

FINAL REVIEW: Minimum still not met - NO REPORT WILL BE GENERATED

VIMS Shoreline Permit Application Report # 10-0993

APPLICANT:

Locality:
Immediate Waterway:
Report Date:

MICHAEL BYERS

ISLE OF WIGHT COUNTY
Pagan River
9/12/10

EXISTING SITE CONDITIONS AND PROPOSED ACTIONS:

A revetment is proposed to reinforce existing timber retaining walls on a high bank. This is one of four parcels in a joint project on Battery Street. The proposed construction access is from the shoreline due to restrictions in the upland area such as the proximity of houses and other improvements.

The shoreline has four terraced retaining walls on the bank with a dense cover of vegetation during the summer growing season. The adjacent upland land use is residential with lawn and gardens between the house and the top of the bank. The application shows a sand beach with some invasive reed grass between the bank and river. This is actually a wide tidal marsh that contains other desirable wetland species, including saltmarsh cordgrass, big cordgrass, switch grass, saltmeadow hay, common threesquare and other wetland species with reed grass only at the landward edge.

The tidal wetland area on this parcel is at least 45 feet wide. It extends from the marsh edge in the water to the lowest retaining wall. This wide, fringing marsh also extends along the shoreline in both directions adjacent to all four parcels in this project. It provides valuable erosion and storm protection for the property owners, as well as water quality and habitat functions for the estuary.

The revetment toe was not staked during a recent site visit. The plan view and cross-section indicate the revetment and associated fill will cover the lowest 2 retaining walls (the cross-section only depicts 3 of the 4 terraced walls). If the revetment extends 10 feet channelward from the lowest retaining wall, then it will impact 800 square feet of tidal marsh area.

Temporary impacts to the tidal marsh are also expected for the beach area access route and material staging. The extent of these temporary impacts is not certain because no details were provided for this specific parcel.

THE PREFERRED APPROACH FROM AN INTEGRATED MARINE ENVIRONMENTAL VIEWPOINT:

This is a moderate to high energy site with a 6-mile fetch to the northeast across the James River. A revetment is justified to replace the deteriorating timber retaining walls. This is the preferred approach given the level of risk and length of shoreline involved. Moving the revetment landward closer to the lowest retaining wall should be considered to reduce the wetland impact area.



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VIMS Shoreline Permit Application Report # 10-0993

Haphazard and unplanned construction impacts can have significant and adverse effects on the tidal marsh area. All potential upland staging areas out of the marsh should be investigated, such as vacant lots or other open areas in the neighborhood. If construction access must be from the shoreline level, then minimizing the extent and duration of temporary impacts during construction is advised. A detailed construction access plan that all parties agree to before the project starts is suggested.

The access plan should include where designated material delivery and stockpile areas can be located, where equipment can be staged and how it will maneuver along the shoreline, erosion and sediment control measures, and the planned sequence of all steps in the process. The access route at shoreline level should be direct, narrow, and located as close to the revetments as possible in the upper elevations of the tidal marsh. Construction mats should be used to reduce compaction impacts to the root system below ground. Gravel or other fill materials should not be placed on the shoreline to improve the ground conditions.

All temporary construction impact areas should be restored. A monitoring plan is advised during construction to track where actual impacts occur and to determine where additional restoration efforts are needed after the project is completed. The impact areas should be monitored for at least 1 year post-construction and ideally for 3 years to ensure the wetland area is restored as close as possible to its present state.

RECOMMENDATIONS SUMMARY:

- *Consider moving revetment landward to minimize wetland impact
- *Develop construction access, restoration and monitoring plans

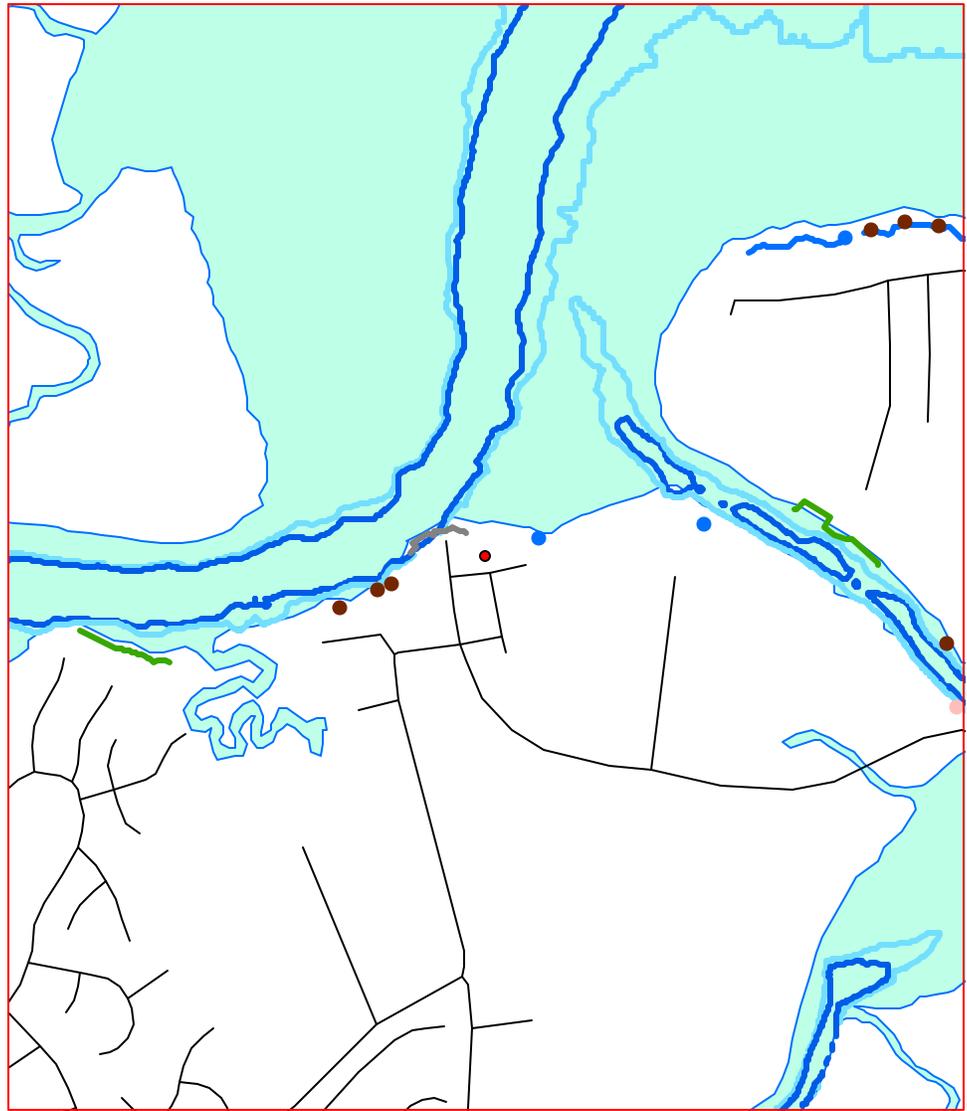
NOTE

The Virginia Institute of Marine Science (VIMS) applies an integrated coastal management perspective during the review of proposed activities on tidal shorelines. The coastal ecosystem has dynamic connections between wetlands, coastal waters and the surrounding landscape. This provides valuable ecosystem services, such as maintaining water quality, shoreline stability, and wildlife habitat. Activities should be designed to avoid adverse impacts to coastal resources. When impacts are unavoidable, every effort should be made to minimize impacts and provide compensation as required.

Permit Site Study Area

Pagan River
Isle of Wight County

- Project site
- Roads
- Shoreline access structures**
STRUCTURE
 - Boathouse
 - Dilapidated dock
 - Dock
 - Ramp
- Shoreline erosion structures**
STRUCTURE
 - Breakwater
 - Bulkhead
 - Dilapidated bulkhead
 - Groin
 - Jetty
 - Marina
 - Miscellaneous
 - Riprap
 - Seawall
 - Wharf
- Oyster reefs**
TYPE
 - ▲ Completed
 - ▲ Proposed
- Bathymetric contours**
DEPTH
 - -1 meters
 - -2 meters
- SAV habitat
- Open water



0 0.1 0.2 Miles



VIMS Shoreline Permit Application Report # 10-0993

APPLICANT:

MICHAEL BYERS

Locality:

ISLE OF WIGHT COUNTY

Immediate Waterway:

Pagan River

Report Date:

9/12/10

A site visit and impact assessment were conducted by VIMS on 9/10/2010. These impact estimates are based on observations made and information provided in the Joint Permit Application.

Type of Activity	Permanent Loss/Fill Area (SF)	Impact Area (SF)
Riprap (80 LF)		
Vegetated	800	800
Non-vegetated	0	0
Beach and Dune	0	0
Sub-aqueous	0	0
Temporary Impact (800 SF)		
Vegetated	0	800
Non-vegetated	0	0
Beach and Dune	0	0
Sub-aqueous	0	0
Totals (80 LF, 800 SF)		
Vegetated	800	1600
Non-vegetated	0	0
Beach and Dune	0	0
Sub-aqueous	0	0



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NUMBER	APPLICANT	LOCALITY	DATE	POSTED
09-1232	Thomas Keeling	Northumberland County	Oct	1 2009
09-1291	Patrick D. McMullen	Northumberland County	Oct	1 2009
09-1199	Christopher Friedl	Middlesex County	Oct	2 2009
09-1274	Patricia C. Ramey	Northumberland County	Oct	2 2009
09-1292	Timothy Ward	Northumberland County	Oct	2 2009
09-1301	Linda W. Ludeke	Middlesex County	Oct	2 2009
09-1359	Norfolk Southern Corp.	City of Norfolk	Oct	2 2009
09-0806	L. Scott Trainum	York County	Oct	3 2009
09-1263	E. Stephen Malise	Gloucester County	Oct	6 2009
09-1308	Michael & Linda Bradley	Gloucester County	Oct	6 2009
09-0304	John A Munick, Jr.	City of Newport News	Oct	7 2009
09-1307	David Allen	Gloucester County	Oct	7 2009
09-0116	Coles Point Tavern LLC	Westmoreland County	Oct	9 2009
09-0784	William O'Connor	City of Virginia Beach	Oct	9 2009
09-1260	Michael Pyon	City of Suffolk	Oct	9 2009
09-1282	Timberneck, LLC	Gloucester County	Oct	9 2009
09-1299	Tabbs Creek Civic Assoc., Inc.	Lancaster County	Oct	9 2009
09-1314	Spikes and Burns Investments, LLC	City of Virginia Beach	Oct	9 2009
09-1367	Cape Henry Audobon Society	City of Norfolk	Oct	10 2009
09-1185	C. Deal & Jane Flowers	Westmoreland County	Oct	12 2009
09-1321	Hampton, City of	City of Hampton	Oct	12 2009
09-1150	Hollis Island Owners	Westmoreland County	Oct	13 2009
09-1151	Melvin D. & Edith L. Foxwell	Westmoreland County	Oct	13 2009
09-1235	Douglas & Donna Lenker	Westmoreland County	Oct	13 2009
09-1175	Lloyd E Baylor, Jr. & Regina G. Baylor	Westmoreland County	Oct	14 2009
09-1178	Nelson & Marcianne Moe	Northampton County	Oct	14 2009
09-1249	Phillip Small	City of Virginia Beach	Oct	14 2009
09-0535	Five 2 Peers	City of Virginia Beach	Oct	15 2009
09-1084	Richard & Elaine Benaburger	Northampton County	Oct	15 2009
09-1177	Samuel B. White	Northampton County	Oct	15 2009
09-1471	James B, & Betty G. Kenley	Mathews County	Oct	17 2009
09-1240	Army Corps of Engineers	Accomack County	Oct	19 2009
09-1324	Gregory & Carol Stoneman	Essex County	Oct	19 2009
09-1383	Josephine Carlson, Trustee	Northumberland County	Oct	23 2009
09-1422	Daniel C. & Katherine C. Beckhard	Northumberland County	Oct	23 2009
09-1448	Charles B. Thomas	Northumberland County	Oct	23 2009

09-1498	Paul Harris	Northumberland County	Oct 23 2009
09-1400	Gary & Bettyanne Sergott	Northumberland County	Oct 24 2009
09-1507	Pauline Voss	Northumberland County	Oct 24 2009
09-1508	James E. Scott	Northumberland County	Oct 24 2009
09-1497	Edwin W. Rice	Northumberland County	Oct 26 2009
09-0475	James City Service Authority	James City County	Oct 29 2009
09-1369	Dr. Mark Babcock	York County	Oct 29 2009
09-1375	David Keith	City of Virginia Beach	Oct 29 2009
09-1419	James & Kelly Nagy	King William County	Oct 29 2009
09-1388	Joe Davis	Middlesex County	Nov 2 2009
09-1446	Dennis W. & Alecia F. Dohnal	Middlesex County	Nov 3 2009
09-0433	Daniel & Laura Stoddard	Lancaster County	Nov 4 2009
09-1516	Robert H. & Varn L. Brumley	Lancaster County	Nov 4 2009
09-1276	Lance Panarello	Accomack County	Nov 5 2009
09-1330	Robert J. & Brenda C. Sutton	Westmoreland County	Nov 5 2009
09-1434	William Stubbe	Lancaster County	Nov 5 2009
09-1433	Estate of John A. Daisey	Accomack County	Nov 7 2009
09-1463	Christopher & Conya Needels	Accomack County	Nov 7 2009
09-1100	Chris Barnes	City of Norfolk	Nov 9 2009
02-0456	K & J Marine	Westmoreland County	Nov 11 2009
08-2154	Lloyd Taylor	Westmoreland County	Nov 11 2009
09-1407	River House Apts., LLC	City of Norfolk	Nov 12 2009
09-1482	Dennis R Kinzig	City of Virginia Beach	Nov 13 2009
08-2136	Bart Sinanis, et al	City of Virginia Beach	Nov 14 2009
09-1253	Norfolk, City of	City of Norfolk	Nov 14 2009
07-0645	CityView Two, LLC	City of Virginia Beach	Nov 17 2009
09-1132	Ocean Marine, LLC	City of Portsmouth	Nov 18 2009
09-1529	Jason Rowe	Mathews County	Nov 18 2009
09-1550	Donna Neal Givens	Mathews County	Nov 20 2009
09-1599	Larry Andreas	Northumberland County	Nov 21 2009
09-1544	Michael D. Payne	Northumberland County	Nov 24 2009
09-1559	Robert A. Beasley	Northumberland County	Nov 24 2009
09-1623	William Kirkpatrick	Northumberland County	Nov 25 2009
09-1624	John B. Lowry	Northumberland County	Nov 25 2009
09-1584	Winston D. Spain	Northumberland County	Dec 1 2009
09-1621	Philip J. Rouse, II, Trust	Northumberland County	Dec 1 2009
09-1622	Robert W. McNeil	Northumberland County	Dec 1 2009
09-1642	Howard Aderholt	Northumberland County	Dec 1 2009

09-1645	Terence & Victoria Wise	Northumberland County	Dec	1	2009
09-1000	City of Virginia Beach	City of Virginia Beach	Dec	3	2009
09-1455	Eastwind L.L.C.	Gloucester County	Dec	3	2009
09-1513	Frances M. Shaffer-Cofer Revocable Trust	Gloucester County	Dec	3	2009
09-1527	R. Wayne Matthews	Gloucester County	Dec	3	2009
09-1540	Willard S. Grant	Gloucester County	Dec	3	2009
09-1610	George S. & Elizabeth C. Yeh	Gloucester County	Dec	3	2009
09-1634	Carroll Owens, Jr.	Gloucester County	Dec	3	2009
09-1635	Leon K Stepanian, Jr.	Lancaster County	Dec	4	2009
09-1502	William E Moore, III	City of Suffolk	Dec	5	2009
09-1568	Avalon Pittman Trust	Lancaster County	Dec	5	2009
09-1636	Ann Perkins	Lancaster County	Dec	5	2009
09-1412	Portsmouth, City of	City of Portsmouth	Dec	8	2009
09-1450	Wayne A. MacMasters	City of Newport News	Dec	8	2009
09-1162	Corey Cook	City of Newport News	Dec	9	2009
09-1676	Thomas A. Arnold, Sr,	Northampton County	Dec	9	2009
09-1316	James River Association	multiple	Dec	10	2009
09-1521	O A Spadey	Isle of Wight County	Dec	10	2009
09-0263	Susan W. Merritt & Nora Walker	Accomack County	Dec	11	2009
09-1339	Tom Waller, Jr.	Northampton County	Dec	11	2009
09-1415	Bobbie Buckwalter	Accomack County	Dec	12	2009
09-1654	Joseph Vaughan	Essex County	Dec	12	2009
09-1520	Scott & Ellie Moreland	Accomack County	Dec	14	2009
09-1626	Lillie P. Jenkins	Westmoreland County	Dec	14	2009
09-1534	Bevans Oyster Co., Inc.	Westmoreland County	Dec	15	2009
09-1567	Maynard Lichty	City of Virginia Beach	Dec	15	2009
09-1503	Virginia Boshier	City of Virginia Beach	Dec	16	2009
09-1721	U.S. Fish and Wildlife Service	City of Virginia Beach	Dec	16	2009
09-1720	Carroll Gilbert	Middlesex County	Dec	17	2009
09-1452	Cynthia Sarko	James City County	Dec	18	2009
09-1556	Cumberland Marsh Dam Removal	New Kent County	Dec	19	2009
09-1657	John T. & Florence H. Kellum	Lancaster County	Dec	23	2009
09-1684	Warner Williams	Mathews County	Jan	5	2010
09-1786	Michael I. & Leticia B. Reno	Mathews County	Jan	5	2010
09-1660	Creek Lands, Inc.	Northumberland County	Jan	6	2010
09-1730	Sandra W. McDougale	Northumberland County	Jan	7	2010
09-1735	Jonathan J. Gaffney	Northumberland County	Jan	7	2010
09-1751	A. Lynn & Debra W. Burnette	Northumberland County	Jan	7	2010

09-1766	Chesapeake Shore Group	Mathews County	Jan 7 2010
09-1792	John Mullenholz	Northumberland County	Jan 7 2010
09-1692	Bradford Bangel	City of Norfolk	Jan 8 2010
09-1600	BAE Systems	City of Norfolk	Jan 9 2010
09-0968	Jim V Rose	City of Virginia Beach	Jan 11 2010
09-1658	D & J Investments	Lancaster County	Jan 12 2010
09-1739	Christian Wayman	Gloucester County	Jan 12 2010
09-1740	Chris Chapman	Gloucester County	Jan 12 2010
09-1505	Frank Pringle	City of Virginia Beach	Jan 13 2010
09-1651	Paul Richardson	York County	Jan 13 2010
09-1652	Lewis Straton	York County	Jan 13 2010
09-1713	Maria D. Nguyen	City of Virginia Beach	Jan 13 2010
09-1768	Heirs of BHB Hubbard, Jr., LLC	Lancaster County	Jan 13 2010
09-1522	Potomac Landing Property Owners Associat	King George County	Jan 14 2010
09-1551	MCR & JCR LLC	Mathews County	Jan 14 2010
09-1741	Roger Visser	City of Virginia Beach	Jan 14 2010
09-1763	John Sheppard, et al	Northampton County	Jan 14 2010
09-1679	George O. McClary, et al	Lancaster County	Jan 15 2010
09-1779	Ellis J. Strelitz	City of Virginia Beach	Jan 15 2010
09-1469	Lynn Basar, et al	Westmoreland County	Jan 16 2010
09-1533	Robert L. Luebker	Westmoreland County	Jan 16 2010
09-1714	Mary K. Jennison	Westmoreland County	Jan 16 2010
09-1668	David Brubaker	Westmoreland County	Jan 19 2010
08-1889	Gayle & Warren Channel	City of Portsmouth	Jan 22 2010
09-0013	York River Yacht Haven Associates	Gloucester County	Jan 22 2010
09-1653	Chesapeake Public Works	City of Chesapeake	Jan 22 2010
09-1710	William A. Middleton	Accomack County	Jan 22 2010
09-1770	U. L. Sweeney	Richmond County	Jan 22 2010
09-1819	Elder Lash	City of Portsmouth	Jan 22 2010
10-0004	Conley Properties, LLC	Lancaster County	Jan 22 2010
10-0073	Conrad R. Mehan	Northumberland County	Jan 23 2010
09-1747	Sara Oglesby	City of Virginia Beach	Jan 25 2010
09-1787	Joel & Emily Nied	City of Virginia Beach	Jan 26 2010
09-1820	David D. Spencer	City of Suffolk	Jan 26 2010
10-0049	Michael E. & Bonnie M. Newsome	City of Virginia Beach	Jan 26 2010
09-1760	Douglas Gottwald	Mathews County	Jan 27 2010
10-0045	Charles M. Hogge	Gloucester County	Jan 27 2010
10-0060	Gwynns Island Group	Mathews County	Jan 27 2010

09-1659	TriCounty Farms	Middlesex County	Jan 28 2010
09-1784	David A. Carney	York County	Jan 29 2010
09-1761	T J Garrett	Middlesex County	Feb 1 2010
09-1815	Army Corps of Engineers	Accomack County	Feb 3 2010
09-0778	Michael Lennon	Northumberland County	Feb 9 2010
09-1667	Bruce W. Keeling, III	City of Suffolk	Feb 9 2010
10-0048	Ron Crumb	Northampton County	Feb 11 2010
09-1444	Norview Marina	Middlesex County	Feb 12 2010
09-1748	Dale Mullane	Westmoreland County	Feb 12 2010
09-1796	Dream Ventures, LLC	City of Chesapeake	Feb 12 2010
09-1801	Bill Neff	Westmoreland County	Feb 12 2010
09-1802	Gerald & Ruth Bryan	Westmoreland County	Feb 12 2010
10-0040	Carolyn Abbitt	City of Newport News	Feb 13 2010
10-0103	Tom & Gregory Myers	Accomack County	Feb 13 2010
08-0856	VA Department of Game & Inland Fisheries	City of Fredericksburg	Feb 16 2010
09-0725	Vincent Radley	King George County	Feb 16 2010
09-1673	City of Hampton	City of Hampton	Feb 17 2010
09-1680	Columbia Gas Transmission, LLC	multiple	Feb 18 2010
10-0069	Mary C. Coster	Mathews County	Feb 18 2010
10-0092	Denise Parsons	Accomack County	Feb 18 2010
10-0104	Stacy Karras	Accomack County	Feb 18 2010
09-1797	Army Corps of Engineers, et al	City of Norfolk	Feb 19 2010
09-1799	Chesapeake Public Works	City of Chesapeake	Feb 19 2010
09-1387	Edmund T. Dejarnette, Jr.	Mathews County	Feb 23 2010
10-0150	John G. & Beth L. Kloke	Mathews County	Feb 23 2010
10-0194	David B. & Amy W. Mulholland	Mathews County	Feb 23 2010
10-0198	New Point RV Resort, LLC	Mathews County	Feb 23 2010
10-0016	Eveleen Harrison	Middlesex County	Feb 24 2010
10-0027	Gary Dennis	Middlesex County	Feb 24 2010
10-0110	Alan Graves	Northumberland County	Feb 25 2010
10-0141	Deltaville Yachting Center	Middlesex County	Feb 25 2010
10-0164	Mike Kirk & Ann de Peyster	Middlesex County	Feb 25 2010
10-0209	Joseph Borger	Northumberland County	Feb 25 2010
09-1806	James C. Collins & Randall C. Trivett	City of Portsmouth	Feb 26 2010
10-0017	Lehman H. Garrison	City of Virginia Beach	Feb 26 2010
10-0101	Richard W. Thompson	Northumberland County	Feb 26 2010
10-0109	Inga Schroeder	Northumberland County	Feb 26 2010
10-0122	Crown Point Marina, Inc.	Gloucester County	Feb 26 2010

10-0200	Steven R. Smithgall	Northumberland County	Feb 26 2010
10-0179	Steve & William D. Lincicome	Lancaster County	Feb 27 2010
09-1613	Mike Degen	Stafford County	Mar 2 2010
10-0095	William T. & Herbert W. Carden	Westmoreland County	Mar 2 2010
10-0147	Rose M. Zamaria	Westmoreland County	Mar 2 2010
09-1811	Navy, Department of	City of Norfolk	Mar 3 2010
10-0181	Larry Leadbetter	Westmoreland County	Mar 3 2010
10-0084	Wayne Edwards & Thomas Offringa	Westmoreland County	Mar 5 2010
10-0034	Barbara Duszak	Middlesex County	Mar 6 2010
10-0076	Navy, Department of	City of Virginia Beach	Mar 6 2010
10-0168	Ronald Callaghan	Westmoreland County	Mar 6 2010
09-1536	Robert W Winfree	Surry County	Mar 7 2010
09-1816	Green Association, The, et al	Lancaster County	Mar 8 2010
09-1309	June P. Flanagan	City of Virginia Beach	Mar 16 2010
09-1649	David Bain	City of Virginia Beach	Mar 16 2010
09-1804	Game and Inland Fisheries, Dept of, et a	Gloucester County	Mar 16 2010
10-0026	Maynard Lichty	City of Virginia Beach	Mar 16 2010
10-0162	Richard M. Daiger	Westmoreland County	Mar 16 2010
10-0202	Louise Hansch & JoAnn Lanning	Surry County	Mar 16 2010
10-0206	Vernon N. Brinkley	Accomack County	Mar 17 2010
10-0253	Evelyn Wilfong	Richmond County	Mar 17 2010
10-0274	Marvin E. & Catherine S. Nielsen	Richmond County	Mar 17 2010
07-2295	Tangada Rao	Chesterfield County	Mar 19 2010
09-1824	City of Norfolk	City of Norfolk	Mar 19 2010
10-0192	Dorothy Wood, et al	Lancaster County	Mar 23 2010
10-0344	John D. Register, Jr.	Mathews County	Mar 25 2010
10-0398	Renny H. Barnes, et. al.	Lancaster County	Mar 25 2010
10-0373	Donald W. & Elizabeth Downs, et al	Lancaster County	Mar 26 2010
10-0346	Robert B. & Tammy A. Corrie	Lancaster County	Mar 27 2010
10-0399	Curtis L. & Syvlia B. Dozier	Lancaster County	Mar 27 2010
10-0269	Renny H. Barnes	Lancaster County	Mar 30 2010
10-0360	Ralph Wayne Findley	Northumberland County	Mar 30 2010
10-0369	Marshall L. & Anne M. Magee	Northumberland County	Mar 30 2010
10-0380	John & Carol Higbee	Northumberland County	Mar 30 2010
10-0154	Norview Marina	Middlesex County	Mar 31 2010
10-0306	Jack Christie	York County	Mar 31 2010
10-0314	Thomas O. Marcey	Northumberland County	Mar 31 2010
10-0417	William & Connie Moslow	Northumberland County	Mar 31 2010

10-0303	Robert & Dana Nicholas	Northumberland County	Apr	1	2010
10-0339	Richard P. Anoaia	City of Virginia Beach	Apr	1	2010
08-0937	George W. & Phyllis P. Cornell	City of Suffolk	Apr	2	2010
10-0140	Prescotte & Jane Rowe	Middlesex County	Apr	2	2010
10-0234	Bernard F. Wittkamp, Jr.	Northumberland County	Apr	2	2010
10-0436	John Warren, et al	Northumberland County	Apr	2	2010
10-0025	Melinda Dadds	Middlesex County	Apr	3	2010
10-0094	Luttrell D. Lewis	Middlesex County	Apr	3	2010
10-0230	F. McKim & Katherine R. Beale	Middlesex County	Apr	3	2010
10-0261	James R. Cobb & Martha G. Buchanan	Middlesex County	Apr	3	2010
10-0220	Joyce C. Sylvia	Middlesex County	Apr	6	2010
10-0221	Winston J. Hellems	Middlesex County	Apr	6	2010
10-0228	Ellen A. Womble	Middlesex County	Apr	6	2010
10-0254	John Schaefer	City of Norfolk	Apr	6	2010
10-0302	Edward & Martha Trapani	City of Norfolk	Apr	6	2010
10-0328	Patricia A. Marshall Trust	Middlesex County	Apr	6	2010
10-0358	Ellen A. Womble	Middlesex County	Apr	6	2010
08-1276	Abbitt Management Inc.	City of Poquoson	Apr	7	2010
09-1647	Aquia Harbour Property Owners Associatio	Stafford County	Apr	7	2010
09-1685	Alan & Linda Vigneault	City of Norfolk	Apr	7	2010
09-1795	Lynnhaven Inlet Fishing Pier	City of Virginia Beach	Apr	7	2010
10-0023	Dr. & Mrs. Walker W. Shivar	City of Norfolk	Apr	7	2010
10-0246	Mr. & Mrs. Christopher R. Neikirk	City of Norfolk	Apr	7	2010
10-0257	William Cagney	City of Norfolk	Apr	7	2010
10-0370	Robert Tolson	Gloucester County	Apr	8	2010
10-0397	Lawrence G. Cohen	Gloucester County	Apr	8	2010
10-0403	Chester L. & Mary Etta Brown	Gloucester County	Apr	8	2010
10-0343	John Davis Bull, Sr.	Northampton County	Apr	14	2010
10-0347	Susan H. Emerson	Northampton County	Apr	14	2010
10-0376	Charles G. Campbell	Northampton County	Apr	14	2010
10-0371	Janice Hines	Essex County	Apr	15	2010
10-0285	Lesner Inn	City of Virginia Beach	Apr	16	2010
10-0423	Neil Shoemaker	Accomack County	Apr	16	2010
10-0429	Mary L. Schroll	Mathews County	Apr	16	2010
10-0433	Liz Taylor-Cassanelli	Accomack County	Apr	16	2010
10-0464	Thomas C. Bishop	Middlesex County	Apr	21	2010
10-0493	Giles Tucker, et al	Middlesex County	Apr	21	2010
10-0494	David & Julia Lee	Middlesex County	Apr	21	2010

10-0278	The Living River Restoration Trust	City of Chesapeake	Apr 22 2010
10-0510	Robert E. & Patricia Decatur	Northumberland County	Apr 22 2010
06-2815	Stafford County	Stafford County	Apr 23 2010
10-0332	John D. Munford, II	City of Virginia Beach	May 4 2010
10-0497	Hunton Creek Improvement Assoc.	Middlesex County	May 4 2010
10-0507	David J. & Deborah K. Taminger	Northumberland County	May 4 2010
10-0517	C. Wayne Goff	Northumberland County	May 5 2010
10-0526	Kevin P. Newmeyer	Northumberland County	May 5 2010
10-0614	Judith & William Lynch	Northumberland County	May 5 2010
10-0153	Hampton Roads Sanitation District	James City County	May 6 2010
10-0412	Hans Seywold	Gloucester County	May 6 2010
10-0559	Robert A. & Lynn H. Buckley	Gloucester County	May 6 2010
10-0587	Gary Stull	City of Norfolk	May 6 2010
10-0100	Hampton Roads Sanitation District	City of Norfolk	May 7 2010
10-0353	John Wynne	City of Virginia Beach	May 7 2010
10-0379	Camp Peary	York County	May 7 2010
10-0479	David E. Dew	Lancaster County	May 8 2010
10-0538	Harry L. Sanderson	Northumberland County	May 11 2010
10-0612	Thomas H. Birdsong, III	Lancaster County	May 11 2010
10-0621	Mary Jane Chewning Revocable Trust	Lancaster County	May 11 2010
10-0630	Vincent S. Crockett, Jr.	Lancaster County	May 11 2010
10-0635	Taylor & Stephanie Waller	Lancaster County	May 11 2010
09-1705	Leonard Bennett & Drina Northam	Isle of Wight County	May 12 2010
10-0239	Keith S. Cichorz	City of Suffolk	May 12 2010
10-0248	Great Neck Point Dredging Assoc. LLC	City of Virginia Beach	May 12 2010
10-0381	STM/TNC LLC	Northampton County	May 12 2010
10-0431	John Burke & Rebecca Marcus	Westmoreland County	May 12 2010
10-0469	Timothy Costen	City of Virginia Beach	May 12 2010
10-0520	Terry & Raymond Lynch	City of Virginia Beach	May 12 2010
10-0521	Doug Goldhush	Westmoreland County	May 12 2010
10-0524	John Harrington & Dana Kaufman	Westmoreland County	May 12 2010
10-0584	Luther E. Smith	Lancaster County	May 12 2010
09-1195	Fish and Wildlife Service, U.S.	City of Virginia Beach	May 13 2010
09-0695	Alice K. Dodson	City of Chesapeake	May 18 2010
10-0722	C. Leonard Willis	City of Suffolk	May 18 2010
09-0358	Navy, Department of	City of Norfolk	May 19 2010
10-0214	Tim Wivell	Northampton County	May 19 2010
10-0299	Vulcan Construction Materials	City of Hampton	May 19 2010

10-0573	Bob and Ann Bendzyn	Accomack County	May 19 2010
10-0637	Rodney Chenault	Essex County	May 19 2010
10-0723	Roselle Harde	Accomack County	May 19 2010
10-0460	GNCS Enterprises, LLC	Charles City County	May 20 2010
09-0800	Bob Bouvier	King George County	May 21 2010
10-0456	William M. Stall	Mathews County	May 21 2010
10-0513	Gary Gatcher	Mathews County	May 21 2010
10-0669	Jerry Reynolds	Mathews County	May 21 2010
10-0710	Conservation and Recreation, Department	Prince William County	May 21 2010
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10-0514	Joyce M. Jones	Mathews County	May 24 2010
10-0768	M. Sidney Ashworth & John D. Hartman	Northumberland County	May 25 2010
10-0639	Patrick J. & Anna D. Brennan	Northumberland County	May 26 2010
10-0708	Frank Digiovanni	Northumberland County	May 27 2010
10-0725	Christopher Lyons	Northumberland County	May 28 2010
10-0751	Denny L. & Kathleen J. O'Neal	Mathews County	May 28 2010
10-0790	Joseph F. Kubiak, Jr.	Northumberland County	May 28 2010
10-0626	William Noffsinger	Northumberland County	May 29 2010
10-0707	Carolyn Saffer	Northumberland County	May 29 2010
09-1366	Joseph A. Lewis, Jr.	Middlesex County	Jun 1 2010
10-0676	Mill Creek Harbor Association, Inc.	Middlesex County	Jun 1 2010
09-1701	Jeff Fisher	James City County	Jun 2 2010
10-0389	Henry Stephens, et al	James City County	Jun 2 2010
10-0613	Winston Wright	Middlesex County	Jun 2 2010
10-0742	Earl Klioze	Lancaster County	Jun 2 2010
10-0779	Thomas Armstrong	Lancaster County	Jun 2 2010
10-0702	Martin J. May	Lancaster County	Jun 3 2010
09-1338	Donald Lewis	City of Norfolk	Jun 4 2010
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10-0677	Pembroke Blvd., LLC	City of Norfolk	Jun 4 2010
10-0732	River House Apts., LLC	City of Norfolk	Jun 4 2010
10-0809	Tim Cope, et al	City of Virginia Beach	Jun 4 2010
08-1977	Wescott B. & Nancy S. Northam	Accomack County	Jun 5 2010
10-0486	Erma Gary	Middlesex County	Jun 9 2010
10-0648	Sam Daniels	Isle of Wight County	Jun 9 2010
10-0697	Paul Garbett	Middlesex County	Jun 9 2010
10-0703	Norbert F. Spangler, Jr.	Middlesex County	Jun 9 2010

09-1650	Walter B. Hudson	City of Virginia Beach	Jun 10 2010
10-0649	Glenn W. Nichols	City of Virginia Beach	Jun 10 2010
10-0574	Norfolk Dredging Company	City of Chesapeake	Jun 11 2010
10-0628	Patricia & Alfred Warmbier	Westmoreland County	Jun 11 2010
10-0632	Bronwyn R Evans	City of Poquoson	Jun 11 2010
10-0633	Richard A Byles	City of Poquoson	Jun 11 2010
10-0728	Don R. & Bernice T. Damuth	City of Virginia Beach	Jun 11 2010
10-0744	R. Donald & Anita J. Hood	Westmoreland County	Jun 11 2010
10-0805	Dianne Trafton	City of Virginia Beach	Jun 11 2010
10-0571	Leonra M. Stotmeister, Trustee	Westmoreland County	Jun 14 2010
10-0694	Lloyd E. & Brenda B. Wright	Westmoreland County	Jun 14 2010
10-0784	Jaqueline Heard	Westmoreland County	Jun 14 2010
10-0035	Steve Brice	Middlesex County	Jun 15 2010
10-0522	Stephen A. & Gayle W. Hock	King George County	Jun 15 2010
10-0727	Peggy S. Davis	Richmond County	Jun 15 2010
10-0112	Hampton Roads Sanitation District	City of Virginia Beach	Jun 16 2010
10-0601	Navy, Department of	City of Virginia Beach	Jun 16 2010
10-0864	Butch Fiore	City of Virginia Beach	Jun 16 2010
09-1320	Graveyard Cove Dredge, LLC	City of Virginia Beach	Jun 17 2010
10-0438	Chippokes Estates, LLC	Surry County	Jun 17 2010
10-0311	Martha S. Bauer	City of Hampton	Jun 18 2010
10-0803	Raymond Butler	City of Suffolk	Jun 21 2010
10-0820	Richard & Gill Crittenden	Lancaster County	Jun 21 2010
10-0855	Steven C. Smith	Lancaster County	Jun 22 2010
10-0910	James E. Deaver, Jr.	Lancaster County	Jun 22 2010
10-0923	Pedro F. Becerra	City of Virginia Beach	Jun 23 2010
09-1542	Betty Howard	New Kent County	Jun 25 2010
10-0739	Robert D. Whitehurst	Middlesex County	Jun 25 2010
10-0878	Dave Malechek	Middlesex County	Jun 25 2010
10-0642	William Alderman, Jr.	Middlesex County	Jun 28 2010
10-0831	Alice C. Warlick	Mathews County	Jun 29 2010
10-0897	Nina Crafton	Mathews County	Jun 29 2010
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10-0921	Mark & Susan Douglas	Gloucester County	Jun 30 2010
10-0936	Allan Carpenter	Mathews County	Jun 30 2010
10-0965	C. F. Blackburn, III	Northumberland County	Jun 30 2010

10-0888	Henry C. Padgett	Northumberland County	Jul	1	2010
10-0903	Terry D. Halkyard	Northumberland County	Jul	1	2010
10-0986	Philip G. Thorne	Northumberland County	Jul	1	2010
10-0772	Sea Farms, Inc.	Mathews County	Jul	4	2010
10-0985	David I. & Debra J. Leekoff	Northumberland County	Jul	6	2010
10-0689	Kent Early	Gloucester County	Jul	7	2010
10-0896	Bill Brown	City of Hampton	Jul	7	2010
10-0309	Sturgeon Creek Condominium Association	Middlesex County	Jul	8	2010
10-0477	Walton Bondurant, Jr.	Isle of Wight County	Jul	8	2010
10-0670	Piankatank Shores Civic Association	Middlesex County	Jul	8	2010
08-0053	Thomas Goodrich	City of Virginia Beach	Jul	9	2010
09-1686	Army Corps of Engineers	City of Virginia Beach	Jul	9	2010
10-0137	Frederick S Fisher, III	Charles City County	Jul	9	2010
10-0674	Dozier Marine, Inc.	Middlesex County	Jul	9	2010
10-0815	Beverly Christian	Westmoreland County	Jul	9	2010
10-0459	Dean Brummet	City of Virginia Beach	Jul	10	2010
08-0566	Town of West Point	Town of West Point	Jul	13	2010
10-0498	Kenneth C Kidwell, et al	Middlesex County	Jul	13	2010
10-0952	John Jackolski	City of Virginia Beach	Jul	13	2010
10-0808	Thomas P. Forde	Westmoreland County	Jul	14	2010
10-0866	Robert K. & Mary L. McNamara	Westmoreland County	Jul	14	2010
10-0875	Leigh Stitzer, et al	Westmoreland County	Jul	14	2010
10-0893	Barry Starke	Westmoreland County	Jul	14	2010
10-0954	Sonia Suys	City of Virginia Beach	Jul	14	2010
10-0737	Habeeb Rahman	City of Virginia Beach	Jul	15	2010
10-0813	Charles T. Spivey	Richmond County	Jul	15	2010
10-0876	John J. Hanky, Jr.	Westmoreland County	Jul	15	2010
10-0971	Evangeline H. Windsor	New Kent County	Jul	15	2010
10-0973	Greg Battaglia	City of Virginia Beach	Jul	15	2010
10-1058	James C Bowen, Jr.	Richmond County	Jul	15	2010
09-0253	CityView, One, LLC, et al	City of Virginia Beach	Jul	16	2010
10-0856	Jack Sturgis, Sr.	Northampton County	Jul	16	2010
10-0966	Floyd & Helen Niece	City of Portsmouth	Jul	16	2010
10-0561	Aquia Harbor Property Owners Association	Stafford County	Jul	17	2010
08-2260	Gretchen Hinton	Northumberland County	Jul	19	2010
10-1113	Town of Chincoteague	Accomack County	Jul	20	2010
10-0948	Carl E Neixner	Accomack County	Jul	22	2010
10-0996	Kegotank Farm LLC	Accomack County	Jul	22	2010

10-0997	Kegotank Farm LLC	Accomack County	Jul 22 2010
10-0962	Raymond Baldacci	Middlesex County	Jul 23 2010
10-0963	Conservation and Recreation, Department	Northampton County	Jul 23 2010
10-1014	S. A. DiGaetano	Middlesex County	Jul 23 2010
10-1111	Samantha Futrell & Edward Carwile	Northumberland County	Jul 23 2010
10-1153	Massimo A. Mazzitelli	Northumberland County	Jul 23 2010
10-1176	Melva P. Willis	Northumberland County	Jul 23 2010
10-0763	Clyde N. Gauldin	Middlesex County	Jul 24 2010
10-0860	James I. Bateman	Middlesex County	Jul 24 2010
10-0990	Kuen & Meili Lam	York County	Jul 24 2010
10-0925	Tim Wivell	Town of Cape Charles	Jul 28 2010
08-2088	Daniel Mulville	Gloucester County	Jul 30 2010
10-1139	Richard Pearce	Gloucester County	Jul 30 2010
10-0899	Michael Dolsey	City of Norfolk	Jul 31 2010
10-0879	Timothy E. Whitlatch	York County	Aug 2 2010
10-0741	Mike Frye	Westmoreland County	Aug 4 2010
10-0516	Navy, Department of	City of Virginia Beach	Aug 5 2010
10-0684	Carol Miller	Westmoreland County	Aug 5 2010
10-0698	Westminster Canterbury on Chesapeake Bay	City of Virginia Beach	Aug 5 2010
10-0766	Nino Logan	City of Virginia Beach	Aug 5 2010
10-1056	Pembroke Blvd., LLC	City of Norfolk	Aug 5 2010
10-1064	David Lawson	City of Norfolk	Aug 5 2010
10-0367	Richard Handly	City of Hampton	Aug 10 2010
10-0941	Michael C Knight, et al	Westmoreland County	Aug 11 2010
10-1008	Ronald Vatalalo	Westmoreland County	Aug 11 2010
10-1044	Carl Johnson	Westmoreland County	Aug 11 2010
10-1156	Don Leneski	Northampton County	Aug 11 2010
10-1157	Edward & Jean Papazian	Northampton County	Aug 11 2010
10-1158	Ervin Jones	Northampton County	Aug 11 2010
10-1159	Boon ChengKok & Alan Harris	Northampton County	Aug 11 2010
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10-0988	Edwin E. Bohannon	Westmoreland County	Aug 13 2010
10-0686	Sarah Carneal	Middlesex County	Aug 14 2010
10-0898	James Covington	Middlesex County	Aug 14 2010
10-0937	Steve Johnson	Middlesex County	Aug 14 2010
10-1012	Chesapeake Tug Company	City of Chesapeake	Aug 14 2010
10-1059	Dominion Power	City of Chesapeake	Aug 14 2010
10-1060	Wayne Stone	City of Chesapeake	Aug 14 2010

10-0668	Chris Lates	City of Hampton	Aug 17 2010
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10-0865	Westminster Canterbury on Chesapeake Ba	City of Virginia Beach	Aug 18 2010
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10-1115	Peter Swart, et al	Accomack County	Aug 20 2010
10-1125	Joseph A. Darden	Town of West Point	Aug 21 2010
10-1152	Charles Selph	Mathews County	Aug 21 2010
10-0066	John Boyle, III	Essex County	Aug 25 2010
10-0811	Old Dominion University	City of Norfolk	Aug 25 2010
10-0874	Hampton University	City of Hampton	Aug 25 2010
10-1107	William L Lucas	Essex County	Aug 25 2010
10-1132	Michael Anderson	Essex County	Aug 25 2010
10-1285	Thomas Frantz	City of Virginia Beach	Aug 25 2010
10-1381	Kurt Schneiter	City of Norfolk	Aug 25 2010
10-0762	Stanton T. Lawrence, III	Lancaster County	Aug 27 2010
10-0843	S. Wayne Funk	City of Virginia Beach	Aug 27 2010
10-0951	Margaret H. & Ron Barton	Richmond County	Aug 27 2010
10-1095	Margaret M. Talley	Northumberland County	Aug 27 2010
10-1199	Green Association, The	Lancaster County	Aug 27 2010
10-1186	Namon Smith	Middlesex County	Aug 28 2010
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10-1009	John W Rust	Stafford County	Sep 4 2010
10-1281	J. C. Walker Bros. Inc.	Northampton County	Sep 4 2010
10-1323	Robert L Foster, Jr.	Gloucester County	Sep 4 2010
10-1363	George R Lesznik	Gloucester County	Sep 4 2010
10-1374	John W. & Muriel T. Coyle	Northumberland County	Sep 4 2010
10-1212	Alphonse A. Cascone	Northumberland County	Sep 8 2010
10-1268	Forrester's Landing Property Owners Asso	Northumberland County	Sep 8 2010
10-1292	Richmond H. Dugger, III	Northumberland County	Sep 9 2010
10-1401	Michael W.& Sheila P. Bishop	Northumberland County	Sep 9 2010
10-1341	Alice & Randy Harding	Northumberland County	Sep 10 2010
10-1329	Catherine Stacy Carden	Westmoreland County	Sep 11 2010
10-1348	Gull Harbor, L.L.C.	Westmoreland County	Sep 11 2010
10-0980	Marina E Ashton, et al	Isle of Wight County	Sep 12 2010
10-0981	Betty S Parks	Isle of Wight County	Sep 12 2010
10-0993	Michael Byers	Isle of Wight County	Sep 12 2010

10-1192	James Stallings	City of Virginia Beach	Sep 12 2010
10-1196	Julio Cabral	City of Virginia Beach	Sep 12 2010
10-1345	John Venner, et al	City of Virginia Beach	Sep 12 2010
10-1351	Langdon Christian	City of Virginia Beach	Sep 12 2010
10-1420	Daniel Sadler, et al	Isle of Wight County	Sep 12 2010
09-1255	Hampton Parks and Recreation	City of Hampton	Sep 15 2010
10-0297	Rappahannock Associates, LLC	Middlesex County	Sep 15 2010
10-0583	Jade D Aronowitz	City of Hampton	Sep 15 2010
10-1216	Fish and Wildlife Service, U.S.	Chesterfield County	Sep 15 2010
10-1172	Hampton, City of	City of Hampton	Sep 16 2010
10-1255	Berkley M. Mitchell	Westmoreland County	Sep 17 2010
10-1116	Shields Properties, LLC	Accomack County	Sep 21 2010
10-1247	Channel Breeze Town Homes	Accomack County	Sep 21 2010
10-1151	Candace F Brown	King George County	Sep 22 2010
10-1164	Roger Lemaster	Accomack County	Sep 22 2010
10-1165	Harry Magalotti	Accomack County	Sep 22 2010
10-1166	Michael Martin	Accomack County	Sep 22 2010
10-1167	Larry R McKinney	Accomack County	Sep 22 2010
10-1168	Robert Ramako	Accomack County	Sep 22 2010
10-1169	Patricia Thompson	Accomack County	Sep 22 2010
10-1170	Joseph B Thurston, Jr.	Accomack County	Sep 22 2010
10-1300	Carolyn J Elmore	Accomack County	Sep 22 2010
10-1434	J W Walker, et ux	Essex County	Sep 22 2010
10-1421	Vincent Radley	King George County	Sep 23 2010
10-1142	Phillips Lake Homeowners Assoc., Inc.	City of Hampton	Sep 24 2010
10-1352	Dwayne A Gary	Mathews County	Sep 25 2010
10-1218	Evan Williams	Mathews County	Sep 27 2010
10-1235	Lawson M Chenoweth	Mathews County	Sep 27 2010
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CCRM e-News December '09

Dear Karen,

November was certainly a wet month! Were you one of the many affected by the storm created by the remnants of Ida? Coastal storms, as well as tidal activity and sea-level rise caused by climate change, can severely alter shorelines and their related habitats. These topics are the focus of the Center for Coastal Resources Management Winter 2009 e-news.

Vulnerability of shallow tidal water habitats in Virginia to climate change



The purpose of this study was to develop a depiction of shallow-water habitat components in Virginia tidal waters and predict climate driven changes to these habitats. An inundation model based on anticipated relative sea-level rise, temperature and

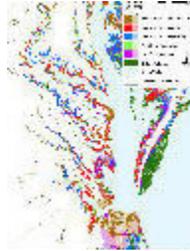
salinity projections, and coastal development were integrated into a GIS model. The models were used to forecast the distribution of key coastal habitat parameters within the next 50 to 100 years including: shallow-water areas, tidal wetlands, submerged aquatic vegetation and estuarine beaches. The purpose is to identify significant risks for changes to habitat areas, as well as areas with significant potential to support critical habitat components in the future. [Link to website](#)

[Climate change database clearinghouse](#)

This clearinghouse assembles an online bibliography of available datasets



that are described and documented by category or class. The website provides unlimited access to the latest data files, metadata, and origin of data to support development of predictive scenarios of climate change impact. [Link to Clearinghouse](#)



Sea level rise planning maps

For this project, maps were created to show the likely response to given current practices and policies related to sea level rise in Virginia, Maryland, and North Carolina. The maps divide coastal low lands into four categories: developed (shore protection almost certain), intermediate (shore protection likely), undeveloped (shore protection unlikely), and conservation (no shore protection). [Link to maps](#)

We hope you've found the information contained in this issue to be useful for understanding the effects of climate change on shorelines and shallow water habitats.

Sincerely,

Carl Hershner, Director
Center for Coastal Resources Management

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CCRM e-News February 2010

Dear Karen,

With all the snow, it's hard to imagine that spring will be here in a couple months. Watermen have been hard at work with the removal of [derelict crabpots](#). Animals found in pots include duck, fish, and turtles. Click on the [link](#) to see all the animals the pots catch in addition to crabs. You'll be surprised!

It's also time to plan for the CCRM Tidal Wetlands Workshop to be held April 22, 2010. Join us as we unveil a new suite of coastal management decision tools which will enable users to make informed choices about shoreline alterations.

Save the Date - April 22, 2010: CCRM Spring Tidal Wetlands Workshop: Coastal Management Decision Tools

The Center for Coastal Resources Management is developing tools intended to help regulators and property owners make decisions regarding coastal resources. Our next wetlands workshop will highlight the first component, a shoreline management decision tool that leads users through a series of questions about shoreline characteristics and results in a recommendation of the environmentally preferable treatment (or treatments) for that shoreline. Also to be introduced are 1) a new online interactive GIS mapping resource (which includes information such as submerged aquatic vegetation (SAV) habitat, wetlands, land use, bank stability, & bathymetry) and 2) the Comprehensive Coastal Resources Management Plan, a GIS modeling approach being developed



that will map environmentally preferable shoreline treatments for each locality.

Please join us on April 22, 2010 at the Virginia Institute of Marine Science, Waterman's Hall, 9am-3:30pm for presentations and small group breakout sessions. Registration is \$25 and morning coffee, snacks, and a box lunch are provided with the registration fee. Additional information and registration options will be available in the next issue of the CCRM Tidal Wetlands Report.

New Season for Marine Debris and Ghost Crabpots

Derelict (lost or abandoned) blue crab traps (pots) continue to capture and kill animals for several years depending upon salinity and wave climate. Removal of marine debris, particularly derelict pots, can result in natural resource and economic benefits if conducted in a structured and environmentally sensitive manner.



During last season, a total of 9,043 items were removed from Chesapeake Bay waters. As of February 8, 2010, there were 7,153 items removed. Watermen have also found nearly double the number of animals within the derelict pots compared to the '08/'09 season. To learn more, click on the [Link to Marine Debris Website](#) and [Link to animals found in pots](#)

We hope you have a chance to view the marine debris website to see this season's updates, and we look forward to having you join us on April 22, 2010 for a lively and informative discussion of the CCRM coastal management decision tools.

Sincerely,

Carl Hershner, Director
Center for Coastal Resources Management

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CCRM e-News Fall 2009

Dear Karen,

Temperatures are dropping and fall changes are taking place. There are a few changes going on here at the Center for Coastal Resources Management as well regarding wetland boards plus other new updates to information on our [website](#).

Wetlands Boards Decisions



As we indicated in a previous e-mail to local wetlands boards staff, we have recently made some changes to our reports. At the end of the comments and recommendations section, we have incorporated a [bulleted summary of our recommendations](#).

We have deleted the "Boards Report Form" usually found at the end of our reports, in favor of gathering this data in a new way. Information on the decisions Wetlands Boards make is critical to documenting the accomplishments of the Commonwealth's management program. The information is important to VIMS as input to the design of our training programs for agents, contractors and the public.

We have decided to replace the form previously used with a personal call to each board's staff after scheduled public hearings. A few simple questions, centered on the summary of recommendations, will be asked to determine what decisions were made on permits under review. Hopefully, this approach will minimize the time demands on staff, and it will allow us to gather the necessary

information for our database.

Tidal Wetlands Workshop

Join Our Mailing List!

The Fall 2009 CCRM Tidal Wetlands Workshop "Current Issues in Coastal Resources", held September 17, 2009, at the Virginia Institute of Marine Science highlighted the kinds of changes necessary to update tidal wetlands guidance, particularly, changes to the criteria for review of wetland projects. [See the seminar presentations.](#)



We hope you've enjoyed the information contained in the Fall 2009 issue of the CCRM e-Newsletter!

Sincerely,

Carl Hershner, Director
Center for Coastal Resources Management

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CCRM e-News October 2010

Dear Dawn,

The folks at the Center for Coastal Resources Management have been busy this summer! At our upcoming fall workshop to be held November 4, we will unveil our updated Living Shorelines website and report on several projects that we have underway, including a new decision tree, wetland and shoreline monitoring research, and general assembly mandates for shoreline management in Virginia. Read more about each project in the [Fall 2010 Virginia Wetlands Report](#)

Save the Date - November 4, 2010: Fall Tidal Wetlands Workshop: What's Up - CCRM Update

Please join us on November 4, 2010 at the Virginia Institute of Marine Science, Waterman's Hall, 9am-3:30pm for presentations. Registration is \$25 and morning coffee, snacks, as well as a box lunch are provided with the registration fee.



Fall 2010 CCRM Update

In addition to the projects described in the [Fall 2010 Virginia Wetlands Report](#) we will have a session at the workshop on an effort funded by the Coastal Zone Management Program that directs CCRM to study existing approaches for collecting and delivering information that supports shoreline management planning. To enable us to provide information in the most cohesive manner possible, audience feedback will be requested. Examples from current methods will be reviewed and the audience will be asked to value the content and format of each presentation.

Additional information and electronic registration options are available in the [Fall 2010 Tidal Wetlands Workshop Registration page](#)

CCRM Living Shorelines Website Update

The Center for Coastal Resources Management developed its living shorelines



A new breakwater in front of the Virginia Institute of Marine Science

website several years ago. However, after review and guidance from focus groups consisting of marine contractors, regulatory agencies, and non-governmental organizations, modifications were made to improve functionality and ease of use of the website. Funding for the website update was provided by DEQ's Virginia Coastal Zone Management Program through a grant from NOAA. Website upgrades include:

- a link to a decision tree that helps coastal property owners and managers determine the environmentally preferred approach to protecting currently undefended shorelines, given specific site conditions,
- an extensive section describing design and build criteria for nonstructural and structural shoreline treatment options. Each section includes information on suitable sites, guidelines for consideration, and photographic examples,
- a FAQ (frequently asked questions) page with answers, as well as links to additional information,
- a map with living shoreline public demonstration projects including address, GPS location and contact information,
- before and after photos in an expanded gallery with a split screen and larger sized photos, and
- improved shoreline planting suggestions and an updated list of plant vendors.

See the new website at:

<http://ccrm.vims.edu/livingshorelines>

We hope you have a chance to view the new living shorelines website, and we look forward to having you join us on November 4, 2010 for a lively and informative discussion of "What's New at CCRM."

Sincerely,

Carl Hershner, Director
Center for Coastal Resources Management

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