

**Tidewater
Resource Conservation & Development
Council**

Area Plan

2006 through 2010

**Tidewater Resource Conservation & Development Council
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**Tidewater
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Area Plan

2006 through 2010

Mission: Helping to build an economically diverse
and ecologically sound region

Vision: Prosperous Communities in Harmony with their Environment

Values:

Tidewater RC&D Council will strive to partner with existing organizations, government entities and private citizens to deliver high quality projects and leadership.

When needed the RC&D Council may work to develop new organizations that address current community needs.

The RC&D will provide leadership and capacity building tools to local organizations and work to avoid any duplication of services with other local, state, and federal governments and private organizations.

RC&D Projects will be evaluated from the perspective of Environmental Justice.

The RC&D's perspective is that sound resource conservation is based on knowing the facts about the area so we provide education and information about the resources of the region.

Everything everyone does has a continuing effect on the environment and this cumulative effect of our activities must be considered.

Public input was utilized in developing this plan and is welcomed at all times.

RC&D Council Sponsors and Council Members

Counties

Essex County – Margaret “Prue” Davis
Gloucester county – Carol E. Steele
King & Queen County – John H. “Jerry” Walker III
King William County – G. Lee Yolton
King William County – Charles A. LeFon
Lancaster County – Jack Larson
Middlesex County – John D. “Jack” Miller
Mathews County – Steve Pope
Northumberland County – Luttrell Tadlock
Richmond County – Robert H. Mallory
Westmoreland County – James Minor

Planning District Commission

Middle Peninsula – Maurice Lynch, PhD
Northern Neck – Jerry W. Davis

Soil and Water Conservation Districts

Northern Neck – Mark Hollingsworth
Three Rivers – Dawn Shank
Tidewater – Jimmy Blake

At-Large Members

Jean Adams – Upper Mattaponi Tribe
Fleet Dillard – Tappahannock
Ruby Easton – Middlesex County
Bill Saunders – Essex County

A Brief History of RC&D Activities

Tidewater RC&D Council began with a steering committee in 1990 that realized success when the Secretary of the U.S. Department Agriculture authorized the Council in 1992. Since then the Council has received support from the Natural Resources Conservation Service in addressing resource conservation problems identified by RC&D Council Members.

Since 1992 the RC&D Council initiated 150 projects and completed 110 of those. Some of the major accomplishments include:

Dry Hydrants Pilot Project

- Provided dry hydrant demonstrations in 10 counties, mapped dry hydrants and hosted planning meetings with fire departments

Groundwater

- Hosted four public seminars on Groundwater Assessment and Protection and a public planning session on water resources

Piankatank River Watershed Project

- 100 community education workshops
- initiated Oyster Gardening Fair, float building events and spawned a new support group for Oyster Gardening
- funded Middlesex Sports Complex Sediment and Erosion Control Practices

Coan River Watershed Project

- 20 community education workshops
- Shoreline Erosion Control Demonstration
- Water Quality Monitoring
- 100 septic tank pump outs were cost shared with land owners

Cat Point Creek Watershed Project

- Water Quality Monitoring
- Demonstration Logging Site
- Installed agricultural BMPS
- 20 newsletters to land owners
- Installed water control structure to study anadromous fish

Bridging the River

- Coordinated an international exchange for two counties to explore their problems and opportunities through cooperation

Down on the Farm

- Initiated and coordinated eight public tours to promote farming, fishing and forestry

Forestry Short Courses

- Hosted 17 Forestry Short Courses with 307 participants who own or manage 90,827 acres

Introduction

Tidewater Resource Conservation and Development (RC&D) area consists of the ten counties of the Middle Peninsula and Northern Neck which includes 1,313,516 million acres of land falling between the boundaries of the Chesapeake Bay and the Potomac River and the York River. The land is 80% forested with agriculture being the other dominant land use. In the last ten years a population increase of 13.3 percent resulted in stronger pressures to convert both forested and agricultural land to residential developments. A major source of employment throughout the region was water based until the 1990s when diminishing water quality and increased harvest pressure dealt the seafood industry a devastating blow. Now with over 135 marinas in the area there is a very slow transition in employment to a more service based industry that supports tourism instead of commercial seafood harvest.

All of the counties have substantial amounts of scenic waterfront property which is a major attraction to urban dwellers from nearby Virginia and Maryland cities as well as from colder climates to the north. There is a rapidly increasing percentage of retirees attracted the region. The area is facing a major predicted increase in population in the next twenty years and each of the counties are currently seeing land use issues as the major source of conflict.

The region is strongly impacted by its proximity to the Chesapeake. Each of the counties have adopted Chesapeake Bay regulations in order to reduce the sedimentation and nutrient pollution of the final reaches of the rivers before reaching the bay. The counties have been engaged in development Tributary Strategies for the York River, the Rappahannock River, the Potomac River and the Small Coastal Rivers. Much attention has focused on how to find resources to implement the strategies developed.

Culturally, the region is predominantly an aging population with 19% being over 65 years. The majority are Caucasians with African Americans representing 25% of the population, Hispanics 1.3 and American Indians about .5%. Four of the eight state recognized Indian Tribes reside within the Council geographic boundaries and two of those have reservation lands from the Commonwealth of Virginia. Only 74 % of the population over 25 years old have high school degrees and 22% of the children live below the poverty level. College degrees have been earned by 17% of the adult population. The economic heritage of the region is based in farming, forestry and fishing.

Needs and Opportunities

The major elements that USDA seeks the partnership of RC&D Councils to address are Land Conservation, Water Management, Community Development and Land Management.

A. Land Conservation which is defined in this context as the control of erosion and sedimentation. This is the primary responsibility of the three soil and water conservation districts within the RC&D Area. Our work will support them in achieving erosion and sedimentation control when they request a partnership relationship to address one of these issues. Shoreline Erosion Control is a major problem that is not currently being adequately addressed

Needs:

- 1) *More education for the general public to increase their awareness about their impact on the environment.*
- 2) *More education for farmers, forest land owners, loggers and other industries about the impact of their operations*
- 3) *More education opportunities for horse owners about effective pasture and waste management*
- 4) *Local information and support for low-impact development*
- 5) *More resources dedicated to shoreline erosion control*
- 6) *Assist with promotion and support of Farm Bill programs*

Opportunity: *The RC&D will partner with the Soil and Water Conservation Districts, NRCS field staff, Virginia Department of Forestry, Cooperative Extension Service, Department of Conservation & Recreation, and Watershed Groups to sponsor educational events, tours, workshops, newsletters and presentations about methods of reducing erosion and sedimentation. Pilot programs on shoreline erosion control could be initiated to demonstrate effect techniques and to educate landowners and leaders.*

B. Water Management which is defined as the conservation, use, and quality of water including irrigation and rural water supplies, the mitigation of floods and high water tables, the repair and improvement of reservoirs, the improvement of agricultural water management and the overall improvement of water quality.

Needs:

- 1) *A comprehensive understanding based in skilled research about the long term quantity of high quality groundwater available for residential, commercial and industrial usage.*

- 2) *Greater understanding of the ambient water quality in the streams, creeks and rivers of the region through volunteer water quality monitoring*
- 3) *Greater understanding about what the quality of drinking water is throughout the region particularly in respect to the impact of high salt content on health, the potability of rural wells, and salt water intrusion.*
- 4) *Conflicting water uses (residential, industrial, agricultural, recreational, commercial)*
- 5) *Improvement in the tidal water quality that provides habitat for juvenile aquatic life.*
- 6) *Testing and monitoring of sludge application*
- 7) *Increased funding to implement known BMPS*
- 8) *Greater understanding through applied research about the impacts of a variety of types of septic systems on groundwater recharge of streams and creeks*

Opportunities:

The RC&D Council will support the ongoing efforts of the two Planning District Committees on Groundwater.

The RC&D Council will support and encourage increased research to expand the knowledge base about groundwater in this region and work on projects that educate about what is known.

The RC&D Council will continue to promote and support citizen volunteer monitoring and education through monitoring in collaboration with the Soil and Water Conservation Districts, the Alliance for the Chesapeake Bay and the Virginia Department of Environmental Quality.

C. Community Development which is defined in this context as the development of resource-based industries, the protection of rural industries from resource hazards, the development of adequate rural water and waste disposal systems; the improvement of recreation facilities; the improvement of rural housing; the provision of adequate health and education facilities; the satisfaction of essential transportation and communication needs; and the promotion of food security, economic development and education.

- Needs**
- 1) *Education about the native crafts and arts is needed*
 - 2) *Lack of natural resource based educational opportunities for youth*
 - 3) *Lack of recreation opportunity for rural residents*
 - 4) *Local cancer research is needed due to higher incidences of cancer in certain sections of the RC&D*

- 5) *Several conference centers need to be developed to attract people to the area and to provide employment to local people in the hospitality and services sector.*
- 6) *The region needs to be marketed for economic opportunities such as tourism*
- 7) *Telmedia is needed particularly to provide broad band and high speed internet service to the area and to enhance medical care*

Opportunities

The RC&D Council can support increased public recreation programming particularly that is natural resource based. Tidewater RC&D will partner with other groups to enhance natural resource education. The RC&D will work in partnership with the regional economic development groups, the regional tourism groups and others to support the expansion of natural resource based industries and promote the region's cultural and historical resources. The Council can explore the need for increased telamedia and identify region specific diseases and associated possible causes.

D. Land Management which is defined as energy conservation that includes the production of energy crops; the protection of agricultural land from conversion to other uses; farmland protection; and the protection of fish and wildlife habitats.

Needs

- 1) *Reduce loss of prime farmland to residential developments*
- 2) *Education about impacts of forest fragmentation*
- 3) *Education programs for changing populations about natural resources in rural settings*
- 4) *Better planning needed for residential growth*
- 5) *Need balanced development in concert with nature and local identity*
- 6) *Need farmland preservation programs*
- 7) *Need networking and information exchanges about resolving zoning and land use conflicts*
- 8) *Need to capitalize on energy programs by creating uses for waste woods, fuel conversions from agricultural crops and other alternative programs.*

Opportunities

The RC&D Council can continue to support the Farmland Preservation Committee and the Forestry Committee to provide education tools to the communities about reducing loss of productive farm and forestry lands. Projects need to be initiated that evaluate and utilize more of the waste wood products and explore conversion of agriculture products and other waste products to fuels. Support educational workshops, publications etc. that help community leaders make good planning decisions that integrate the needs of community members with a variety of income levels.

Tidewater RC&D Council

Goals 2006 ~ 2010

- GOAL A: Expand Educational programs to help the public understand their interaction with the environment
- GOAL B: Support Sustainable Economic Development
- GOAL C: Initiate actions to build stronger communities
- GOAL D: Promote balanced development in concert with nature, heritage and local needs
- GOAL E: Sustain the quality and quantity of water resources to support the region
- Goal F. Strengthen the abilities of the RC&D Council to deliver effective services to the communities in the RC&D area

The RC&D Council is currently committed to complete strategies that include a project line which indicates the project number or that it is an annual activity.

GOAL A: Expand educational programs to help the public understand their interaction with the environment and the cultural heritage of this region

Objective 1: Provide learning opportunities for landowners

- Strategy a) Host Forestry Short Course Annually
Partners: DOF, Va. Tech, CES, USFS, Consultants, Industry
Project: Annual
- Strategy b) Co-sponsor with the SWCDs and NRCS informational programs on horse pasture management (2006~ 2007)
- Strategy c) Provide Bay Act Education (legal)
Potential partners: PDCs, BLAD, SWCDs, Counties 2007
- Strategy d) Host Farm Tours as needed to promote conservation
Potential partners: SWCD, NRCS 2008
- Strategy e) Create a Homesteader Class
Potential partners: CES, SWCD, NRCS, DOF 2009

Objective 2: Provide learning opportunities for Community Leaders

- Strategy a) Organize forestry presentations to planning commissions and other groups
Partners: DOF, Va. Tech, CES, USFS, Consultants, Industry
Project: Number 149 Complete June 2006
- Strategy b) Host land use forums
Partners: MP PDC, MP Garden Club
Project: Number 150 Complete 2007

Objective 3: Provide learning opportunities for the public

- Strategy a) Host Down on the Farm annually
Partners: CES, SWCD, G. P&R, DCR, NRCS, DOF, Business
Project: Number 148 Annual
- Strategy b) Host land use forums as needed
Potential partners: PDC, Garden Clubs, SWCD 2006~ 2010
- Strategy c) Provide presentations about local forestry issues
Potential Partners: DOF, RC&D Forestry Committee 2007
- Strategy d) Involve media in RC&D activities
Potential Partners: Local and Richmond newspapers and local radio stations 2006~2010

Objective 4: Provide opportunities for K-12 schools to learn about the region

- Strategy a) Promote and host Project Learning Tree for Teachers
Partners: DOF, Consultant Forester
Project: 31 Date: Complete June 2006
- Strategy b) Provide one school presentation to each eighth grade on forestry economics that meets Standards of Learning and that is tailored to each county in the Tidewater RC&D.
Partners: DOF, USFS, Volunteer Complete April 2006

- Strategy c) Promote school children visits to Virginia American Indian Reservations and Tribal Centers
Potential Partners: schools and tribes 2008- 2010
- Strategy d) Initiate an award to honor Envirothon Coaches in cooperation with the SWCDs and present at Board of Supervisors meeting
Potential Partners: SWCDs 2010
- Strategy e) Create a Community Exchange on Natural and Cultural Resources with teachers and students from another Virginia RC&D for the eighth grade based on private sector funding
Potential Partners: Schools, SWCD, RC&D 2010

GOAL B: Support Sustainable Economic Development

Objective 1 Tourism -- Promote tourism as a low impact, green economic development tool

- Strategy a) Establish partnerships with the two tourism groups to educate members about how we can work together.
- Strategy b) Support the two regional tourism groups and the individual localities in their efforts to expand tourism.
- Strategy c) Promote Eco-tourism opportunities that provide local employment strategies
Potential Partners: NN Tourism Council, MP Tourism 2009
- Strategy d) Create an Information Exchange for organizers of events that explains who does what, offers organizational tips, tracks the number and dates of festivals and compiles statistics on the impact of the festivals
Potential Partners: NN & MP Tourism, Festival sponsors 2009

Objective 2 Agriculture -- Serve as a catalyst for actions and advocate for resources and tools that sustain a profitable agricultural land base and promotes the profitability of agriculture.

- Strategy a) Promote agro-tourism
Potential Partners: CES, NNTC 2008
- Strategy b) Provide Education on organic farming, farmers markets and Community Service Agriculture
Potential Partners: CES 2008
- Strategy c) Explore increasing markets for products that are grown in the region
Potential Partners: CES 2008
- Strategy d) Research adding value to products
Potential Partners: CES 2009
- Strategy e) Explore hosting a strategy program
Potential Partners: CES, Glynwood Institute 2010
- Strategy f) Explore ways to promote crop diversification
Potential Partners: CES 2008

Objective 3 Forestry -- Increase utilization of forest resources to increase productivity of forestlands and minimize wood waste.

Partners: DOF, USFS, Consultants for strategies a-e

- RC&D Forester Complete June 2006
- Strategy a) Promote new markets for wood products with a summary of available forest resources and the sustainable level of annual biomass availability 2006
- Strategy b) Conduct study to explore use of wood biomass for energy production to reduce dependence on petroleum-based fuels 2006
- Strategy c) Publicize information about alternative sources of income from forests 2006
- Strategy d) Host a program and publicize information to demonstrate alternative forest income strategies and processes 2006
- Strategy e) Develop information sheet of market sources for alternative forest products 2006
- Objective 4 Aquaculture - Explore feasibility of expanding fish and shellfish aquaculture to enhance employment opportunities**
- Strategy a) Research opportunities and resources available
Potential Partners: VIMS 2007
- Objective 5 Promote the sustainability and use of natural renewable resources**
- Strategy a) Promote alternate fuels such as methane, soydiesel, and agricultural crops
Potential Partners: Corn and Soybean Boards, CES 2007
- Strategy b) Seek economically viable alternative uses for waste products such as wood and seafood processing waste
Potential Partners: DOF and VIMS 2007
- Strategy c) Create new and support existing organizations devoted to sustaining natural resources and the heritage of the region
Potential Partners: NNPDC and NNTC 2007
- Objective 6 Develop greater employment opportunities based in the sound use of natural renewable resources of the region.**
- Strategy a: Provide opportunities for professional continued education credits.
- Activity 1: Host a SHARP Logger core or continued education course each year
- Activity 2: Host a class annually to provide continued education credits to resource professionals including forestry consultants and state foresters
Partners: DOF, USFS, Va. Tech. VSFI - RC&D Forester 2006
- Activity 3: Support efforts to create and sustain CECS for Realtors in Bay regulations
Potential Partners: CES 2008
- Strategy b: Create and maintain forestry resource lists containing consulting foresters, mills and processors, and loggers that conduct business in the Tidewater RC&D area and make available online to maximize accessibility.
Partners: DOF, USFS, Consultants, Va. Tech. VSFI 2006

- Strategy c: Initiate trainings for the logging industry that sustain the viability of companies in this region. 2008 ~ 2010
- Strategy d: Work with the community college Workforce Diversity Program to expand curriculums to include natural resources based employment training. 2008 ~ 2010

GOAL C: Initiate activities to build stronger communities

Objective 1 Initiate activities and programs that preserve and teach the heritage of the region

- Strategy a) Assist the development of the Northern Neck Agricultural Museum through their first five years
Partners: NNTC, CES, NNFM Board
Project: 146 Completion 2009
- Strategy b) Support the reintroduction of grasses that were historically used in basket making in this region.
Partners: Rappahannock Indian Tribe Feasibility 2006
- Strategy c) Support the development of a series of classes to reestablish skills to make heritage pottery for the Upper Mattaponi Tribe
Partners: Upper Mattaponi Tribe Feasibility 2006
- Strategy e) Initiate and partner with others to build a trail of American Indian historic markers and a brochure to promote the trail
Potential Partners: Tribes Feasibility Status 2005 ~ 2007
- Strategy d) Assist with the development of aquaculture exhibits that focus on water as an integral part of the development of this region. Potential Partners: VIMS 2008
- Strategy f) Provide organizational support for the development of new groups and organizations that preserve heritage
Potential Partners will be those seeking assistance 2010

Objective 2 Support increased public recreation facilities and programming

- Strategy a) Evaluate existing situations and determine needs
Potential Partners: County P&R 2007
- Strategy b) Support Parks and Recreation Departments to develop proposals, seek funding and implement projects 2008
- Strategy c) Provide organizational support for the development of new groups and organizations that provide recreation
Potential Partners to be determined 2009
- Strategy d) Provide grant writing services
Potential Partners will be determined as needed 2006~2010

GOAL D: Promote balanced development in concert with nature, heritage and local needs

Objective 1 Farmland Preservation - educate about changes in land use that impact the local cultural landscape, the heritage and the economy of the region. Potential partners for the following strategies are: SWCD, MPLT, NNLC, DCR, PDC, FB, FWS, CBF

- Strategy a) Sponsor Farmland Protection Committee
Project: 120 Timeline 2006
- Strategy a) Provide education for local officials 2007
- Strategy b) Inform and educate taxpayers and voters 2008
- Strategy c) Organize trips to learn what other counties are doing 2009
- Strategy d) Support local and regional Land Trust Organizations 2010
- Strategy e) Develop chart on counties with Land Use Taxation 2006
- Objective 2 Support statewide legislative efforts that promote farmland preservation, open space and land conservation**
- Strategy a) Communicate with legislators on these issues 2006
- Strategy b) Track legislation to stay informed of issues 2007
- Objective 3 Forestry Fragmentation -- Provide assistance to maintain a sustainable, productive, and healthy forestland base including wild land fire risk reduction strategies.**
- Strategy a) Increase awareness of wildfire risk
Partners: USFS, DOF Project: 122 and 151 Completion 2007
- Strategy b) Identify and evaluate programs that minimize forestry fragmentation in growing communities
Partners: DOF, USFS, Consultants, Va. Tech. VSFI
RC&D Forester Completion June 2006
- Strategy c) Present information to community leaders and citizens on forestry fragmentation Partner: DOF Completion June 2006
- Strategy d) Provide link to Firewise information on website 2006
- Objective 4 Advocate for shoreline erosion control**
Potential Partners for the following strategies are
SWCDs, DCR, VIMS 2008
- Strategy 1) Initiate demonstration site that illustrates riprap, groins, and low-impact techniques
- Strategy 2) Develop educational programs
- Strategy 3) Design a certification program for Bay Certification
- Strategy 4) Help build political support for SEA and BMP funds

GOAL E: Sustain the quality and quantity of water resources to support the region

- Objective 1 Support volunteer Water Quality Monitoring**
Partners: DCR, DEQ, ACB, NNSWCD, CBGS, Volunteers
Project: 141 Completion October 2006
- Objective 2 Identify and seek funding to remove abandoned water vessels**
Potential Partners PDCs, VMRC, VIMS
Project 121 Feasibility 2006
- Objective 3 Participate in the regional Groundwater Committees hosted by the Planning District Commissions** 2006 ~ 2010

- Objective 4** Support installation of BMPs to protect water quality
Potential partners: SWCDs 2007
- Objective 5** Initiate demonstrations on innovative BMPS as needed
Potential partners: SWCDs 2007

Goal F. Strengthened the abilities of the RC&D Council to deliver effective services to the communities in the RC&D area
The following objectives will be accomplished by the RC&D Council members so partners are not listed although support from the National Association of RC&D is available for some of the items.

- Objective 1** Increase visibility and communications through a website
Strategy a) Develop website Project: 140 Completion 2006
- Objective 2** Update administrative policies
 - Strategy a) Develop Conflict of Interest Policy 2006
 - Strategy b) Update Financial Policy 2007
 - Strategy c) Update Personnel Manual 2008
- Objective 3** Improve councilmember training and increase involvement
 - Strategy a) Update Council Member Handbook 2007
 - Strategy b) Develop strategy to train new council members 2009
- Objective 4** Enhance board diversity to represent the entire community
Strategy a) Recruit council members for at-large positions 2008
- Objective 5** Send representative to the Southeast and National Meetings- annual
- Objective 6** Provide leadership to the Virginia Association annual

Tidewater RC&D Plan Adoption

Tidewater Resource Conservation and Development (RC&D) Council agrees that the RC&D program will be conducted in compliance with the nondiscrimination provisions as contained in Title VI and VII of the Civil Rights Act of 1964 as amended, the Civil Right Restoration Act of 1987 (Public Law 100-259) and other nondiscrimination statutes; namely, Section 504 of the Rehabilitation Act of 1973, Title IX of the Education Amendments of 1972, the Age Discrimination Act of 1975 and in accordance with the regulations of the Secretary of Agriculture (7CFR-15, Subparts A&B) which provide that no person in the United States shall, on the grounds of race, color national origin, age, gender, religion, marital status, or handicap/disability be excluded from participation in, or be denied the benefits, or be otherwise subjected to discrimination under any program or activity receiving federal financial or technical assistance from the U. S. Department of Agriculture or any agency thereof.

Tidewater RC&D Council agrees that the signing of this document constitutes agreement to comply with federal laws concerning restrictions on lobbying, a drug-free workplace, and responsibilities for non-procurement, suspension, disbarment and state review.

Tidewater RC&D Council hereby adopts this RC&D Area Plan and agrees to effectively use the assistance provided by the United States Department of Agriculture to realize its goals and objectives outline herein.

Tidewater Resource Conservation & Development Council
772 Richmond Beach Road, Tappahannock Virginia 22560

By: _____ Date: _____
Margaret "Prue" Davis, Chairperson

This action authorized at an official meeting of Tidewater RC&D Council on 7/26/05.

Attest: _____ Date: _____
Jerry W. Davis, Secretary/Treasurer

U.S. Department of Agriculture - Natural Resources Conservation Service

By _____ Date: _____
M. Denise Doetzer, State Conservationist

Appendix One Committees

A sincere thank you is offered to the following members of two RC&D Resource Committees who contributed to the development of this plan:

RC&D Forestry Committee

John C	Barber	Northern Neck SWCD
Charlie	Becker	Virginia Dept of Forestry
Rod	Bland	USAF ret. – NSA
Terence	Cooper	Forestry Consultant
John	Magruder	Three Rivers Forestry
Dave	Milby	Virginia Dept. of Forestry
Sharon	Miller	Forestry Committee
William	Rilee	Canal Wood, LLC
Mike	Rowland	Hancock Forest Management
Bill	Saunders	Landowner,
Jim	Vadas	Clear Water Timber, LLC
Andy	Lacatell	The Nature Conservancy
Shannon	Wheeler	Smurfit-Stone Container Corp.
E. Luttrell	Tadlock	Northumberland County
Maurice	Lynch	Middle Peninsula Planning District Commission
Carolyn	Balderson	Cimarron Forest Services
Dave	Slack	Virginia Dept. of Forestry

RC&D Farmland Preservation Committee Members

Gary	Allen	Essex County Administrator
Keith	Balderson	Cooperative Extension Service
John	Barber	RC&D, NN SWCD, Richmond Planning Commission
Junius C.	Berger	Northern Neck Soil & Water Conservation District
Craig	Brann	Three Rivers Soil & Water Conservation District
Harriet	Chinn	Farmers Market, Landowner
Matt	Criblez	Virginia Department Conservation & Recreation
Jerry	Davis	Northern Neck Planning District Commission
Prue	Davis	Essex Board of Supervisors, RC&D
David	Fuss	Middle Peninsula Planning District Commission
Carolyn	Gray	Landowner
Sam	Johnson	Cooperative Extension Service
Andy	Lacatell	The Nature Conservancy
Bill	Latane	Farm Bureau
Joe	Lerch	Chesapeake Bay Foundation
Kelly	Liddington	Cooperative Extension Service
John	Magruder	Three Rivers Forestry
Julie	May	Virginia Department of Conservation & Recreation
Don	McCann	Northern Neck PDC
Joe	McCauley	US Fish & Wildlife Service Rappahannock River Valley Wildlife Refuge
Alice	Moore	Rappahannock Community College Law Library
Margaret	Perritt	Middle Peninsula Land Trust
John H.	Walker, III	RC&D Council, Landowner

Appendix 2

Issues facing Tidewater RC&D area in 2005

A. Education

- Public does not understand their interaction with the environment
- Lack of education about natural resource management for land owners, local leaders, citizens and youth especially in forestry
- Lack of environmental education opportunities

B. Growth and Land use Changes

- Loss of prime farmland to increasing residential developments
- Increasing forest fragmentation from rural residential development that divides timber production forests into small tracts
- Increasing population attracted to the waterfront and rural settings which offer comparatively low tax bases and increases demand on local services
- Need to explore water use and zoning
- Greater planning needed
- Need balanced development in concert with nature and locale
- Need farmland preservation
- Zoning conflicts
- Shoreline erosion is not addressed in Virginia

C. Population Changes

- Aging population from youth export and retiree import
- Lack of recreation opportunity for rural residents
- Lack of resources for adequate research of natural resources
- Increasing population from urban area moving to rural area
- Increasing horse owners on small lots of land

D. Water issues

- Quality of drinking water
- Water quantity and quality
- Increasing usage of groundwater resources with extremely limited knowledge about the long term impact
- Increased pressure from the Chesapeake Bay Clean Up effort to decrease sedimentation and nutrient run off into streams
- Lack of knowledge about the water quality in stream and river segments specific to RC&D area
- Conflicting water uses
- Poor tidal water quality
- Testing and monitoring of sludge application
- Lack of funding to implement known BMPS
- Poor water quality in the rivers, streams and Chesapeake Bay

E. Economic Foundation

- Need for low impact local employment/industry
- Loss of logging industry due to financial constraints
- Need more good restaurants
- Loss of fish and shellfish populations that supported local economy
- Loss of farmers due to financial pressures and aging population
- Need to create employment opportunities for service providers to retirees
- Lack of technical support for emerging aquaculture
- Lack of technical support of emerging alternative farms
- Tremendous waste of wood that may have fuel potential
- Need marketable high value agricultural products
- Need sustainable small business
- Need to expand opportunities for ecotourism
- Lack of employment for population historically employed in seafood harvest

F. Medical care

- Lack of local cancer research where rates of occurrence are higher than normal

G. Community Development

- Lack of Public Recreation
- Marketing of region is needed
- Conference Centers are needed
- Tele-media expansion
- Losing cultural heritage of crafts and arts native to this region
- Inadequate housing for the low income

Appendix 3 Table of Acronyms

ACB - Alliance for the Chesapeake Bay
Business- local companies that provide funding and volunteers
CBF - Chesapeake Bay Foundation
CBLAD - Chesapeake Bay Local Assistance Department
CBGS - Chesapeake Bay Governor School
CES - Virginia Cooperative Extension Service
DEQ - Virginia Department of Environmental Quality
DCR - Virginia Department of Conservation & Recreation
DOF - Virginia Department of Forestry
FB - Farm Bureau local chapters
FWS - United States Fish and Wildlife Service
G.P&R - Gloucester County Parks and Recreation
MP - Middle Peninsula
MPLT - Middle Peninsula Land Trust
MPT - Middle Peninsula Tourism
NN - Northern Neck
NNLC - Northern Neck Land Conservancy
NRCS - USDA Natural Resources Conservation Service
NNTC - Northern Neck Travel Council
PDC - Planning District Commission
P&R - County Parks and Recreation Department
SWCD - Soil and Water Conservation District
Va. Tech - Virginia Technological Institute and State University
VIMS - Virginia Institute of Marine Science
VMRC - Virginia Marine Resource Commission
VSFI - Virginia Sustainable Forestry Initiative
USDA - United States Department of Agriculture
USFS - United States Forest Service