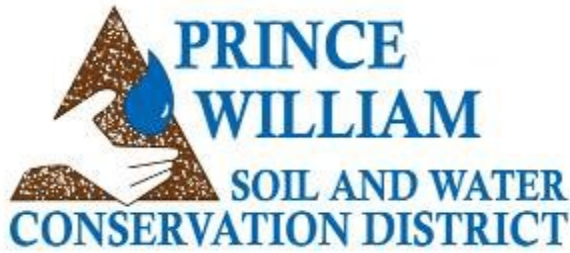


*Inspiring personal responsibility for the environment and
our natural resources in Prince William County*



Annual Report

July 1, 2009 - June 30, 2010

Serving Prince William County since 1971



**Chesapeake Bay~Friendly
Horse Farm Project**



**Winter Cover Crop practice on
agriculturally zoned property**



**Environmental education - school
programs**



**Adopt-A-Stream program
promotion and administration**

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Who We Are

Inspiring personal responsibility for our environment and natural resources



Board of Directors



Steve Danziger

Steve Danziger, Chairman

L. Ben Thompson, Vice Chairman

Matt Brooks, Secretary

Austin Haynes, Treasurer

Paige Thacker, Director



L. Ben Thompson



Matt Brooks



Paige Thacker



Austin Haynes, Jr.

Associate Directors

Deb Oliver, PWC Public Works

Pete Shiner

John J. Pickeral, Jr.

Cynthia Patterson

Elizabeth Ward

Holly Wootten

District Staff

Kate Norris, District Manager

Jeannie Heflin, Office Manager

Beata Coss, Conservation Specialist, Erosion and Sediment Control Program Administrator

Nicole Ethier, Conservation Specialist

Kelly Jimenez, Outreach and Education Specialist

Joan Patterson, Education Specialist (July-November)

Meg Doppee, Education Specialist (December-June)

About Us



What is the PW Soil & Water Conservation District?

Across the United States, nearly 3,000 conservation districts - almost one in every county-are helping local people to conserve land, water, forests, wildlife and related natural resources.

Known in various parts of the country as "soil and water conservation districts," "resource conservation districts," "natural resource districts," "land conservation committees" and similar names, they share a single mission: to coordinate assistance from all available sources - public and private, local, state, and federal - in an effort to develop locally driven solutions to natural resource concerns.

More than 17,000 volunteers serve in elected or appointed positions on conservation districts' governing boards. They work directly with more than 2.3 million cooperating land managers nationwide, and their efforts touch more than 778 million acres of private land.

Among other things, conservation districts help:

- implement farm, ranch and forestland conservation practices to protect soil productivity, water quality and quantity, air quality and wildlife habitat;
- conserve and restore wetlands, which purify water and provide habitat for birds, fish and numerous other animals;
- protect groundwater resources;
- assist communities and homeowners to plant trees and other land cover to hold soil in place, clean the air, provide cover for wildlife and beautify neighborhoods;
- help developers control soil erosion and protect water and air quality during construction; and reach out to communities and schools to teach the value of natural resources and encourage conservation efforts.

Our Partner Agencies

Prince William County Watershed Management Branch of Public Works - Funding is provided for nutrient reductions associated with Best Management Practices (BMPs), soil and water quality conservation plans, technical assistance to citizens, Adopt-A-Stream program administration, classroom education (K-12 grades), Farm Field Days and Arbor Day events, teacher assistance, schoolyard habitat support, adult oriented education and information through seminars, demonstrations, website, and tree seedling programs.

Virginia Department of Conservation & Recreation (DCR) - Funding is provided by the state legislature through DCR for general operations and administration of the Virginia Agricultural BMP Cost Share and Tax Credit Program to promote voluntary adoption of conservation management practices by farmers and land managers in support of the nonpoint source pollution management program.

USDA Natural Resources Conservation - Provides advanced technical assistance to local farmers and other land users through a partnership between PWSWCD conservation specialists and the NRCS engineering technician and/or district conservationist. NRCS also provides technical training for staff. Farmers may install Best Management Practices through NRCS financial incentive programs that differ from, or compliment, those incentives offered through PWSWCD.

Cooperating Agencies: VA Cooperative Extension, VA Department of Forestry, VA Department of Game and Inland Fisheries, USDA Farm Service Agency, Merrimac Farm Master Naturalists, Town of Haymarket, City of Manassas, Ducks Unlimited, Virginia Association of Soil and Water Conservation Districts, National Association of Conservation District.

Awards



Department of Conservation & Recreation

2009 Bay~Friendly Clean Water Farm Award

Pablo and Esther Elliott of Stoney Lonesome Farm in Gainesville, Virginia were nominated by the Prince William Soil and Water Conservation District (PWSWCD) to win this year's local award. The 90-acre farm has been in the Elliott family since 1971 and is one of 2,000 farms in the United States that participate in the Community Supported Agriculture program. The farm operates under a soil and water quality conservation plan and a forest management plan using Best Management Practices that protect the environment while supporting the farmers' production goals. Community Supported Agriculture farms operate with the help of non-farming members who purchase a share in the farm and in return receive fresh, locally grown products. Often shareholders may help with planting and harvest.



The Elliotts' operation has the added bonus of being a completely organic farm that uses natural production methods designed to protect air and water quality while improving soil fertility with compost and green cover crops. Currently about 50 shareholder families enjoy Stoney Lonesome's produce.

PWSWCD staff began working with the Elliott's in 2008. In addition to their 3-acre organic garden they have a 45-acre rotational grazing system for cattle, goats, and horses. The Elliott's also raise chickens. The implemented grazing system excludes a pond and Resource Protection Area stream in the Broad Run watershed. These sensitive areas are protected by 35-50 foot wide buffers of tall grasses and trees that filter and slow the velocity in rainwater flow, keeping the waterways cleaner and reducing erosion damage caused by fast moving water.

Prince William Soil and Water Conservation District congratulates Pablo and Esther Elliott, Stoney Lonesome Farm, on their well-deserved recognition!



Ducks Unlimited 2009 Conservationist of the Year Award



Kelly Jimenez, Prince William Soil and Water Conservation District Outreach and Education Specialist (left) and Chip Rohr, co-chair of Ducks Unlimited (right), present Forest Park High School Senior Elizabeth Saccoccia (center), the Ducks Unlimited Conservationist of the Year Award at its annual dinner held on Friday, February 26, 2010.

Elizabeth is the first high school student and the fifth conservationist to receive this prestigious award named in honor of Ralph McDowell, a former Director of Prince William Soil and Water Conservation District.

The Prince William Soil and Water Conservation District nominated Elizabeth for her leadership in developing a Girl Scout Gold Award project that included learning how to use an EnviroScope Watershed Model and a Healthy Water Hopscotch game to educate the community about watersheds and sources of pollution that affect waterways. Elizabeth co-founded Forest Park High Schools' Environmental Club, volunteers at Public Lands Day and is a leader for the Earth Day activities. She will attend the College of William and Mary in the fall of 2010 and plans to study environmental science and marine biology.

Congratulations to Elizabeth for her outstanding work for the environment.

Adopt-A-Stream



Our thanks to the Volunteer Stream Stewards for their tireless efforts in cleaning up our local waterways in Prince William County from July 2009 – June 2010.

Group Name	# Volunteers	# Trash	# Miles Cleaned
NVCC Manassas - Holcum's Branch	2	70	.50
PWSWCD - Slate Run@ Nokesville Park	2	10	.25
WPCCA - Neabsco Creek @ Route 1	1	235	.50
Jenn & Kayne - Neabsco Creek @ Gemini Way	1	325	.25
Princedale/Ridgedale - Leitch Park	4	600	1
Osbourn Park H.S. tributary to Bull Run	2	70	1
Lake Ridge Point Crew - Lake Ridge Marina	2	20	1
Bennett Family - Catharpin Creek	3	200	.25
Princedale/Ridgedale-Neabsco Creek/Leitch Pk	4	600	1
Bennett Family-Catharpin Creek	2	800	1
Cub Scout Pack 555 - Winter's Branch	18	300	1
Cub Scout Pack 1833	n/a	90	1.5
Emmanuel Christian School - Bull Run @ Rt. 28	20	210	1
Friends of the Occoquan - Occoquan River	50	600	1.5
Battlefield HS Environmental Club-Catharpin Ck	24	275	1
Simms Family - Powell's Creek	2	120	.25
Princedale/Ridgedale - Neabsco Creek	1	500	1
PW Homeschool Nature Club - Neabsco Creek	20	150	.25
Friends of Potomac River-Occoquan Bay	26	800	1
PW Trails & Streams-Lake Jackson Dam	21	144	.25
Emmanuel Christian School-Flat Branch/Ben Lomond	12	60	.25
Emmanuel Christian School-Tributary to Flatbranch	24	285	.25
Forest Park High School - Lake Montclair	16	20	.25
Princedale/Ridgedale - Neabsco Creek@Leitch Pk	40	810	1
BAE Systems - Bull Run @ Lomond Park	10	225	1
Dunbarton HOA - Broad Run @ Dunbarton	10	1260	1
Friends of the Potomac River - Farm Creek	22	2200	1
Roseberry HOA - Tributary to Buckhall Branch	4	198	.25
Osbourn Park High School Biotech, (Richard Family)- Foxmill Creek	2	54	1
14 Mile Occoquan River Cleanup	48	3535	14

Continued on next page

Nutrient Reductions



Nutrient reductions expected as a result of land management practices that reduce soil erosion into waterways

Through Best Management Practices:

3,157 pounds Nitrogen
151 pounds of Phosphorus
604 acres of land affected

Client	Acres	Practice/Plan
Coe	253 acres	CRP351 acres No-till practice
Kettle Wind	298 acres	SL-1
Dutchland	1,000 acres	Nutrient Management 1 plan
Kettle Wind	2,000 acres	Nutrient Management 1 plan
Dutchland	259 acres	SL-8H Harvestable Cover Crop
Dutchland	69.8 acres	SL-8B Small Grain Cover Crop
Kettle Wind	298 acres	SL-8H Harvestable Cover Crop
Yankey Farm & six landowners	7 acres	SL-8B Small Grain Cover Crop WP-2 Stream Protection BMPs

Through Conservation Planning:

348 pounds Nitrogen
78 pounds Phosphorus
1,304 acres of land affected
332 head of livestock affected

Client	Acres	Uses
Gehlsen	4.80	Cropland
Cloud	1.60	Horses/Goats
Moss	6.90	Horse Farm
Babazadeh	9.70	Cropland
Fennell	0.60	Cropland
Dalby	8.10	Horses
Harrover	7.80	Cattle
Massaro	8.00	Horse Farm
Garner	15.00	Horse Farm
Campbell	3.50	Horse Farm
Sims	6.00	Horse Farm
Berlin	7.00	Horse Farm
Fontanella	5.00	Horse Farm
Afshar	15.00	Horse Farm
Shifflett	78.00	Cattle/Horses
Ivers	20.00	Horses/Crop
Demityr	10.00	Horse Farm
Gedris	2.00	Horse Farm

Client	Acres	Uses
Dotterer	9.00	Horse/Hay
Williams	1.90	Flowers/Vegetables
Macleam	2.30	Horse Farm
McIntyre	2.50	Horse Farm
Stansell	5.00	Horse Farm
Jones	16.00	Horse Farm
Fletcher	8.20	Horse Farm
Jasperse	3.20	Horse Farm
Christopher	12.2	Horse Farm
Mahoney	9.70	Horse Farm
Mohr	3.70	Horse Farm
Shiner	10.50	Horse Farm
Payne	17.20	Sheep
Goode	14.60	Horse/Hay
Yankey	7.00	Cropland
Croushorn	17.00	Horse Farm
Corry	3.50	Horse Farm
Senna	3.50	Horse Farm
Kelly	5.00	Horse Farm
Kelly	5.00	Hayfield
Bouchard	51.00	Horse Farm
Cline	15.00	Horse Farm
Howard	0.70	Horse Farm
Wilcoxon	6.10	Horse/Cattle
O'Leary	5.00	Forestry/Wildlife

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Adopt-A-Stream



Group Name	# Volunteers	# Trash	# Miles Cleaned
Prince William Yacht Club-Occoquan River	50	1100	2
Town of Dumfries-Quantico Creek	40	2375	.5
Condo's at Carolyn Forest - Tributary to Occoquan	3	250	.25
Friends of the Occoquan-Lake Ridge Marina & Town of Occoquan	60	1000	1.5
Youth Ambassadors-Broad Run	n/a	120	.25
Youth Ambassadors-Julie Metz Wetland	n/a	360	.25
Cub Scout Pack #1833-Catharpin Run @ Long Park	n/a	20	1.5
WPCCA-Neabsco Creek @ Robert Hart Property	7	450	.25
PW Service Authority & PW Clean Community Council- Marumsc Creek @ Veterans Park	69	2565	2
Cub Scout Pack 555-Winter's Branch @ Dean Park 22	22	150	1
PW Homeschool Nature Club-Tributary to Neabsco Creek	10	72	.25
Micron Technology-Broad Run	28	655	1
Princedale/Ridgedale-Neabsco Creek	1	184	1
PWSWCD-Kettle Run	5	155	1
Beville Middle School-Neabsco Creek	24	150	.5
Princedale/Ridgedale-Neabsco Creek @ Andrew Leitch Park	28	200	.5
PW Trails & Streams Coalition-Silver Lake	6	25	.25
Total July 2009 through June 2010	746 Volunteers	24,597 Pounds	58.15 Miles Cleaned



Inspiring personal responsibility for our environment and natural resources

Education

Inspiring personal responsibility for our environment and natural resources



Achievements of the Education Department

17,663 students served

767 teachers assisted

1,636 fourth grade students, from

19 schools attended Farm Field Days with the support of

240 volunteers, representing

960 volunteer hours

18,348 teacher newsletters distributed

4,213 visits to our website

515 Arbor Day posters submitted from county schools and

569 Arbor Day posters from the City of Manassas schools

33 Participants of educational workshops

Schoolyard habitat support at Round and Tyler Elementary schools



The Chesapeake Bay Foundation Restoration Fund License Plate Grant was awarded to PWSWCD for the creation of a sustainable soil tunnel for educational purposes.



Vascular Plant program led by Gloria Miller, a Master Gardener volunteer



Arbor Day celebration in the Atrium at PWC McCoart Administration building led by Prince William Academy faculty and students



Farm Field Days petting farm presented by the PWC Animal Shelter's Children's Farm



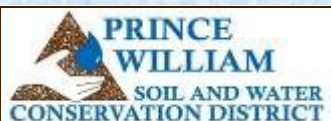
Enviroscape Watershed Model demonstrates human impacts on our waterways



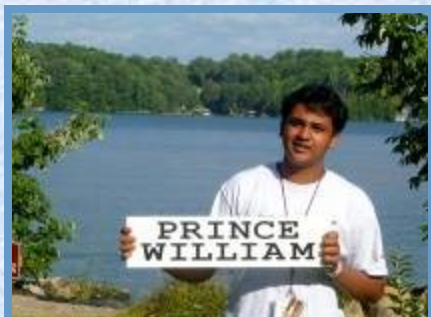
Students make soil profile tubes, a 3rd grade SOL compliant program



Farm Field Days "Horsepower to High Tech" - students test their skills by pulling a sled and calculating their horsepower



Youth Conservation Camp



Saber Chowdhury

Conservation Camp at VA Tech was “A once-in-a-lifetime opportunity” for Saber Chowdhury from Stonewall Jackson High School. He states he was “grateful for the honor” of attending the Youth Conservation Camp at Virginia Tech from July 18 - 24, 2010. Chowdhury received a \$500 scholarship from the local chapter of Ducks Unlimited, Inc. (DU) to attend the camp.

Chowdhury and 38 other high school students from across Virginia spent the week learning about the environment, enjoying the great outdoors, meeting new friends, and having fun! In his words, he “met many great peers and enjoyed the many activities, such as canoeing and tree climbing.”

The campers received hands-on instruction in many areas of natural resource management, including: water quality issues, GIS technology, ecology, fisheries, and agriculture. Field trips provided opportunities to study soils, animals, and geology, as well as show how agricultural and urban land uses relate to water quality and aquatic habitats.

“It’s our pleasure to process applications and choose a scholarship winner each year to attend YCC Camp at Virginia Tech,” shares Kate Norris, District Manager with PWSWCD. “We can also choose up to two more applicants who are willing to pay their own way,” she added. After the scholarship winner returns he/she is asked to share with DU a brief presentation and photographs of the experience. According to Norris, “This will be the 27th year PWSWCD has been involved with this program. Each year the students express what a wonderful time they had connecting with nature and learning about agriculture and forestry.”

The Virginia Association of Soil and Water Districts (VASWCD) coordinates the camp. Grants and a donation from Virginia Farm Bureau Federation make the camp possible. For more information on the 2011 Youth Conservation Camp visit www.vaswcd.org/youthcamp.htm or check the PWSWCD website: www.pswcd.org in early 2011.

Community Outreach



A rain barrel workshop was held for the local community in July 2009 at Southern States, Manassas. Twenty six rain barrels were built for installation in Prince William County.

In addition, the District donated a rain barrel (pictured left) for the Nokesville Library. This the first rain barrel installed at a Prince William County government facility.



Eric Holmgrain, Southern States Manager, assists a workshop attendee with her rain barrel.

Rain barrels are a great stormwater mitigation and water recycling tool for homeowners and commercial organizations.

Community Outreach



Seminars/Outreach

Pond Management seminar in October in cooperation with John Marshall SWCD (Fauquier County) - 30 attendees

Healthy Horses and a Healthier Chesapeake Bay seminar in January in cooperation with John Marshall, Loudoun, Northern VA SWCDs, NRCS, DCR and VCE - 100 attendees

Cows to Condos held at the City of Manassas Museum - 50 attendees

Western Prince William Farm Tour at Blue Top Farm, a client of the District - 100 contacts

Virginia Master Naturalists, Merrimac Farm Chapter promotion and organization

Articles published in - 37 local and media

General technical assistance - 290 citizen requests

Chesapeake Bay~Friendly Horse Farm Project

funded by the Department of Conservation & Recreation Water Quality Improvement Fund Grant and private and public partners

Completed construction/renovation of :

Spring/Summer 2009

- Stream buffer improvements
- Runoff management in the sacrifice area
- Nokesville Horse Society visit
- Installation of high-tensile fencing
- Modifications to the interior fencing

Fall 2009

Pasture renovation (northern pastures)

December 2009 - Snow Update

Automatic water trough performance in 18" of snow

Spring 2010 - Summer 2010

- O2 Composter installation (manure management)
- Use of Stable Grid
- Pasture Management
- Restricted Free Feeding - keeping your horses happy and healthy

Water Quality Improvement

Best Management Practices

Grant Farm Seminars across the state 200 attendees

Tree Seedling Sale



Tree Seedling Sale held at the Teaching Gardens at Linton Hall School, Bristow 472 seedlings sold to 34 citizens and donations of seedlings went to local schoolyard habitat projects



Manure Mgmt Before



O2 Composter After



Barnyard Before



Sacrifice Area After



Back Pasture Before



Back Pasture After



Water Trough Before



Water Trough After

Financial Statements



Statement of Cash Receipts and Disbursements

Operations		Financial Incentives	
Income:		Income:	
Local Government	231,300.	Cost Share-Contract	4,545.
DCR	71,465.	Cost Share-Priority	15,000.
Seminars/Sales	5,388.	Interest	<u>90.</u>
Interest	<u>386.</u>		\$19,635.
	\$308,539.		
Expenses:		Distributions:	
Staff/Benefits	277,239.	Cost Share-Contract	10,034.
Operations	50,241.	Cost Share-Priority	18,580.
Education	18,427.		
Conservation	3,927.	Expenses:	
Seminars/Sales	<u>4,020.</u>	Service Charges	<u>10.</u>
	\$353,854.		\$28,624.

Chesapeake Bay~Friendly Horse Farm Project - WQIF Grant Account

	July '09 - June '10	Oct '09 - June '10 (6-30-10 grant expired)
Income:		
WQIF Grant	67,431.	119,391.
PWC BOCS		3,000.
Fairfax Water Grant	<u>10,000.</u>	<u>10,000.</u>
	77,431.	132,391.
Grant funded:		
Staff	15,946.	34,077.
Fringe Benefits	415.	8,009.
Travel/Education	878.	5,207.
Supplies	10,440.	15,906.
Contractual	-	13,445.
Construction	<u>8,396.</u>	<u>44,891.</u>
	36,075.	121,535.
District/Partner Match:		
Staff	14,500.	38,314.
Volunteer Hours	612.	1,398.
Volunteer Hours Value	14,167.	32,356.
Supplies	15.	26,492.
Contractual	<u>13,246.</u>	<u>19,396.</u>
	42,540.	117,956.



Brentsville High School FFA club renovating



District Staff: (left to right) Jeannie Heflin, Beata Coss, Kate Norris, Meg Doppee, Kelly Jimenez, Nicole Ethier



Arbor Day County Ceremony



PWC Earth Day celebration



The Chesapeake Bay Restoration Fund License Plate Grant funded the this innovative soil tunnel to teach the elements and importance of soil



David Johnson and Jack Frye, DCR and Edith Kennedy at the "Big Reveal"



Lizzie Sococcia training high school students on the Watershed Model



Soil investigation program



Two plus feet of snow evoked some pleadings from the locals in February 2010



Our programs can either be presented in the classroom by our staff or checked out for teacher presentation.