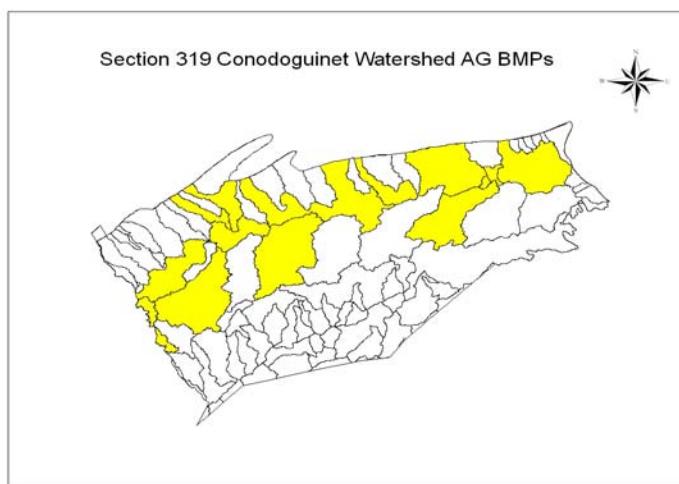


Conodoguinet Creek Watershed Restoration Agricultural Best Management Practice Implementation Project

Project Funded through
Section 319(h) Nonpoint Source Management Grant

The Agricultural Best Management Practices for the Conodoguinet Creek Watershed Project addressed non-point source pollution on 14 farms in the watershed. The goal of this project was to improve the water quality of the Conodoguinet Creek Watershed. This was achieved by the installation of BMP's which reduced the amount of nutrients and sediment entering the waters of the Commonwealth. This goal itself provided considerable benefits through the reduction of nutrients and sediments entering the streams which improves the health of the aquatic environment for fish and benthic macroinvertebrates. This in turn provided better aesthetic and recreational opportunities for the county citizens to enjoy.



Pictured above is the subwatersheds of the Conodoguinet where Ag BMPs were implemented with this 319 funding

Another benefit was minimizing fertilizer costs to the agricultural producers in this project. Many of the BMP's that were proposed saved nutrient loss from crop fields which means that farmers did not have to buy as much additional fertilizer to obtain their crop yield goals. This was a win win situation for both the farmer and the general public, more efficient farming operations and better water quality for everybody.

The following table shows a breakdown of the budgeted grant dollars and a summary of the In-kind/Match dollars that were contributed by project partners.

	Expenses	In-Kind/Match
Sponsor Salaries/Benefits	\$15,518.92	\$7,304.51
Travel	\$382.88	\$2,536.40
Equipment and Supplies	\$0.00	\$0.00
Administration	\$336.25	\$0.00
Contractual	\$0.00	\$0.00
Construction	\$419,986.95	\$224,700.27
Other	\$0.00	\$0.00
Total	\$436,225.00	\$234,541.18

Best Management Practices implemented through the Section 319 Conodoguinet Creek Watershed Restoration Agricultural Best Management Practice Implementation Project

Farmer	Animal Type	Animal #	BMP	Watershed
Farmer 1	Dairy Cow	45	Waste Storage Structure	Middle Spring Creek
	Heifers	20	Manure Transfer System	TMDL
	Calves	5	Heavy Use Area Protection	
	Dry Cows	5	Barnyard Runoff Control Roof Runoff Management Underground Outlet	
Farmer 2	Dairy Cow	170	Waste Storage Structure	Conodoguinet Creek
	Dry Cow	25	Heavy Use Area Protection Manure Transfer System Fence	
Farmer 3	Beef	150	Heavy Use Area Protection Barnyard Runoff Control - Curb Barnyard Runoff Control - Roof Underground Outlet	UNT to Conodoguinet TMDL
	Dairy Cow	80	Heavy Use Area Protection	Paxton Run
	Heifers	80	Waste Storage Structure Barnyard Runoff Control Heavy Use Area Protection Waste Storage Structure Barnyard Runoff Control	TMDL
Farmer 5	Dairy Cow	45	Heavy Use Area Protection	Mount Rock Spring
	Heifer	30	Roof Runoff Management	TMDL
	Calves	10	Underground Outlet	
	Dry Cow	5		
Farmer 6	Beef	10	Heavy Use Area Protection	UNT to Conodoguinet
	Beef Calves	10	Roof Runoff Management Underground Outlet Filter Area Barnyard Runoff Control	TMDL
	Beef	10	Heavy Use Area Protection	Hogestown Run
	Beef Calves	20	Roof Runoff Management Barnyard Runoff Control	TMDL
Farmer 8	Beef	30	Heavy Use Area Protection	UNT to Conodoguinet
	Heifers	10	Barnyard Runoff Control	TMDL
	Calves	20	Waste Storage Structure	
	Bull	1		

Farmer 9	Dairy Cow Heifer	550 20	Sediment Basin	Mount Rock Spring TMDL
Farmer 10	Dairy - Jersey Calves	89 8	Heavy Use Area Protection Manure Transfer System Barnyard Runoff Control - Roof WSS Manure Transfer System	Back Creek TMDL
Farmer 11	Dairy Cow Heifer Calves	90 41 8	Heavy Use Area Protection Barnyard Runoff Control Manure Transfer System Waste Storage Structure	Bullshead Branch TMDL
Farmer 12	Dairy Cow Heifer - Yearling Heifer	350 125 125	Heavy Use Area Protection Barnyard Runoff Control - Roof Roof Runoff Management Fence	Hogestown Run TMDL
Farmer 13	Dairy Cow Dry Cow Heifer Calves Bull	290 60 165 170 6	Manure Transfer System	Mount Rock Spring TMDL
Farmer 14	Heifers	125	Waste Storage Structure Heavy Use Area Protection Barnyard Runoff Control Water Control Structure Waste Transfer System Filter Area	Conodoguinet