

Appendix B  
Phase II WIP Strategy Results

The tables and bar charts in this Appendix present the results of Maryland's Implementation Strategies to meet the 2017 Interim and 2025 Final Nutrients and Sediment Reduction Targets for the State's Phase II WIP and Bay TMDL goals. In the first set of tables, the strategies are presented as pounds of reduction by source sector at the Statewide and Maryland Major Basin scale. All of the loading numbers shown in the tables represent millions of pounds of nitrogen, phosphorus and sediment.

The set of bar charts following these tables depict the strategy reduction information in a graphic format that presents the comparative progress by source sector from 2010 loads to the 2017 interim and 2025 final targets, based on the model input deck submitted to EPA on January 6, 2012.

Finally, an additional set of tables provides the extent of the BMPs included in the 2017 and 2025 implementation strategies in terms of acres or units treated, by sector and major basin.

## Statewide

Nitrogen 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.423	0.373	0.329	0.095	
CAFO	0.346	0.634	0.362	-0.016	
Crop	17.059	12.482	15.287	1.772	
Pasture	1.230	0.882	1.042	0.187	
Nursery	0.891	0.843	0.710	0.181	
Total	19.949	15.215	17.729	2.219	11.1%
<b>Stormwater</b>					
Non-Regulated Urban	2.289	1.660	2.113	0.175	
Regulated Urban	7.257	5.934	6.328	0.929	
Total	9.546	7.594	8.441	1.105	11.6%
<b>Wastewater</b>					
Industrial	1.823	1.626	1.829	-0.006	
Municipal	12.484	8.911	7.066	5.418	
Total	14.307	10.538	8.895	5.412	37.8%
<b>Septic</b>					
Total	2.997	1.852	2.675	0.321	10.7%
<b>Forest</b>					
Total	5.293	5.306	5.377	-0.083	-1.6%
<b>Non-Tidal Atm</b>					
Total	0.665	0.665	0.665	NA	NA
<b>Total</b>	<b>52.756</b>	<b>41.170</b>	<b>43.782</b>	<b>8.974</b>	<b>17.0%</b>

Phosphorus 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.067	0.054	0.051	0.016	
CAFO	0.057	0.091	0.055	0.002	
Crop	1.131	0.974	0.999	0.132	
Pasture	0.116	0.091	0.116	0.000	
Nursery	0.269	0.242	0.203	0.065	
Total	1.640	1.451	1.424	0.216	13.2%
<b>Stormwater</b>					
Non-Regulated Urban	0.181	0.091	0.166	0.015	
Regulated Urban	0.549	0.419	0.461	0.089	
Total	0.730	0.510	0.627	0.103	14.1%
<b>Wastewater</b>					
Industrial	0.197	0.097	0.118	0.078	
Municipal	0.542	0.560	0.456	0.085	
Total	0.738	0.657	0.575	0.164	22.2%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.152	0.152	0.153	-0.002	-1.1%
<b>Non-Tidal Atm</b>					
Total	0.040	0.040	0.040	NA	NA
<b>Total</b>	<b>3.300</b>	<b>2.810</b>	<b>2.819</b>	<b>0.481</b>	<b>14.6%</b>

Sediment 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	2.256		2.561	-0.306	
CAFO	0.205		0.224	-0.019	
Crop	639.576		602.034	37.542	
Pasture	44.649		43.578	1.072	
Nursery	9.626		8.169	1.457	
Total	696.312		656.566	39.747	5.7%
<b>Stormwater</b>					
Non-Regulated Urban	95.535		88.688	6.847	
Regulated Urban	449.373		367.407	81.966	
Total	544.908		456.095	88.813	16.3%
<b>Wastewater</b>					
Industrial	3.382		7.617	-4.235	
Municipal	5.709		55.134	-49.425	
Total	9.091		62.751	-53.659	-590.2%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	125.504		126.973	-1.468	-1.2%
<b>Non-Tidal Atmos</b>					
Total	NA		NA	NA	NA
<b>Total</b>	<b>1375.816</b>	<b>1350</b>	<b>1302.384</b>	<b>73.432</b>	<b>5.3%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

Nitrogen 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.423	0.373	0.266	0.158	
CAFO	0.346	0.634	0.372	-0.026	
Crop	17.059	12.482	12.883	4.176	
Pasture	1.230	0.882	1.009	0.220	
Nursery	0.891	0.843	0.650	0.241	
Total	19.949	15.215	15.180	4.768	23.9%
<b>Stormwater</b>					
Non-Regulated Urban	2.289	1.660	1.648	0.641	
Regulated Urban	7.257	5.934	5.675	1.582	
Total	9.546	7.594	7.322	2.223	23.3%
<b>Wastewater</b>					
Industrial	1.823	1.626	1.628	0.195	
Municipal	12.484	8.911	8.917	3.567	
Total	14.307	10.538	10.544	3.763	26.3%
<b>Septic</b>					
Total	2.997	1.852	1.867	1.130	37.7%
<b>Forest</b>					
Total	5.293	5.306	5.432	-0.139	-2.6%
<b>Non-Tidal Atm</b>					
Total	0.665	0.665	0.665	0.000	NA
<b>Total</b>	<b>52.756</b>	<b>41.170</b>	<b>41.010</b>	<b>11.745</b>	<b>22.3%</b>

Phosphorus 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.067	0.054	0.040	0.027	
CAFO	0.057	0.091	0.053	0.004	
Crop	1.131	0.974	0.913	0.217	
Pasture	0.116	0.091	0.104	0.012	
Nursery	0.269	0.242	0.186	0.083	
Total	1.640	1.451	1.296	0.344	21.0%
<b>Stormwater</b>					
Non-Regulated Urban	0.181	0.091	0.118	0.063	
Regulated Urban	0.549	0.419	0.393	0.157	
Total	0.730	0.510	0.511	0.220	30.1%
<b>Wastewater</b>					
Industrial	0.197	0.097	0.097	0.100	
Municipal	0.542	0.560	0.560	-0.019	
Total	0.738	0.657	0.657	0.081	11.0%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.152	0.152	0.155	-0.003	-2.1%
<b>Non-Tidal Atm</b>					
Total	0.040	0.040	0.040	0.000	NA
<b>Total</b>	<b>3.300</b>	<b>2.810</b>	<b>2.659</b>	<b>0.641</b>	<b>19.4%</b>

Sediment 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	2.256		2.216	0.040	
CAFO	0.205		0.197	0.008	
Crop	639.576		558.047	81.529	
Pasture	44.649		40.447	4.202	
Nursery	9.626		8.045	1.581	
Total	696.312		608.952	87.360	12.5%
<b>Stormwater</b>					
Non-Regulated Urban	95.535		61.167	34.368	
Regulated Urban	449.373		295.477	153.896	
Total	544.908		356.644	188.263	34.5%
<b>Wastewater</b>					
Industrial	3.382		6.448	-3.066	
Municipal	5.709		26.374	-20.664	
Total	9.091		32.822	-23.730	-261.0%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	125.504		128.365	-2.861	-2.3%
<b>Non-Tidal Atm</b>					
Total	0.000		0.000	0.000	NA
<b>Total</b>	<b>1,375.816</b>	<b>1,350</b>	<b>1,126.783</b>	<b>249.033</b>	<b>18.1%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

## Eastern Shore of Chesapeake Bay

Nitrogen 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.210	0.195	0.170	0.041	
CAFO	0.341	0.619	0.352	-0.012	
Crop	9.593	6.361	8.578	1.015	
Pasture	0.367	0.143	0.194	0.173	
Nursery	0.412	0.385	0.304	0.108	
Total	10.923	7.702	9.598	1.325	12.1%
<b>Stormwater</b>					
Non-Regulated Urban	1.142	0.778	1.044	0.099	
Regulated Urban	0.354	0.264	0.311	0.044	
Total	1.497	1.042	1.354	0.142	9.5%
<b>Wastewater</b>					
Industrial	0.153	0.429	0.494	-0.342	
Municipal	0.754	0.652	0.458	0.296	
Total	0.907	1.081	0.953	-0.046	-5.0%
<b>Septic</b>					
Total	0.765	0.434	0.692	0.073	9.6%
<b>Forest</b>					
Total	1.682	1.669	1.706	-0.024	-1.5%
<b>Non-Tidal Atm</b>					
Total	0.409	0.409	0.409	NA	NA
<b>Total</b>	<b>16.183</b>	<b>12.338</b>	<b>14.712</b>	<b>1.471</b>	<b>9.1%</b>

Phosphorus 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.034	0.028	0.026	0.008	
CAFO	0.056	0.088	0.053	0.003	
Crop	0.702	0.603	0.601	0.101	
Pasture	0.024	0.015	0.023	0.002	
Nursery	0.124	0.110	0.087	0.037	
Total	0.940	0.844	0.788	0.152	16.1%
<b>Stormwater</b>					
Non-Regulated Urban	0.068	0.034	0.062	0.006	
Regulated Urban	0.027	0.020	0.022	0.005	
Total	0.095	0.053	0.084	0.011	11.4%
<b>Wastewater</b>					
Industrial	0.029	0.018	0.022	0.006	
Municipal	0.052	0.060	0.043	0.009	
Total	0.081	0.078	0.065	0.016	19.2%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.046	0.046	0.047	-0.001	-1.4%
<b>Non-Tidal Atm</b>					
Total	0.025	0.025	0.025	NA	NA
<b>Total</b>	<b>1.187</b>	<b>1.046</b>	<b>1.009</b>	<b>0.178</b>	<b>15.0%</b>

Sediment 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.083		0.086	-0.003	
CAFO	0.039		0.040	-0.001	
Crop	144.988		131.480	13.508	
Pasture	1.876		1.987	-0.111	
Nursery	2.252		1.957	0.295	
Total	149.237		135.550	13.688	9.2%
<b>Stormwater</b>					
Non-Regulated Urban	26.184		24.853	1.331	
Regulated Urban	16.263		14.634	1.629	
Total	42.447		39.487	2.960	7.0%
<b>Wastewater</b>					
Industrial	0.168		0.768	-0.599	
Municipal	0.623		2.818	-2.195	
Total	0.792		3.586	-2.794	-352.8%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	16.538		16.552	-0.014	-0.1%
<b>Non-Tidal Atmos</b>					
Total	NA		NA	NA	NA
<b>Total</b>	<b>209.014</b>	<b>189</b>	<b>195.174</b>	<b>13.840</b>	<b>6.6%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

Nitrogen 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.210	0.195	0.143	0.068	
CAFO	0.341	0.619	0.360	-0.019	
Crop	9.593	6.361	6.826	2.768	
Pasture	0.367	0.143	0.196	0.171	
Nursery	0.412	0.385	0.277	0.135	
Total	10.923	7.702	7.802	3.121	28.6%
<b>Stormwater</b>					
Non-Regulated Urban	1.142	0.778	0.760	0.382	
Regulated Urban	0.354	0.264	0.258	0.096	
Total	1.497	1.042	1.018	0.478	31.9%
<b>Wastewater</b>					
Industrial	0.153	0.429	0.455	-0.303	
Municipal	0.754	0.652	0.653	0.102	
Total	0.907	1.081	1.108	-0.201	-22.1%
<b>Septic</b>					
Total	0.765	0.434	0.453	0.312	40.8%
<b>Forest</b>					
Total	1.682	1.669	1.727	-0.045	-2.7%
<b>Non-Tidal Atm</b>					
Total	0.409	0.409	0.409	0.000	NA
<b>Total</b>	<b>16.183</b>	<b>12.338</b>	<b>12.518</b>	<b>3.665</b>	<b>22.6%</b>

Phosphorus 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.034	0.028	0.020	0.014	
CAFO	0.056	0.088	0.050	0.005	
Crop	0.702	0.603	0.536	0.166	
Pasture	0.024	0.015	0.021	0.003	
Nursery	0.124	0.110	0.079	0.045	
Total	0.940	0.844	0.706	0.234	24.9%
<b>Stormwater</b>					
Non-Regulated Urban	0.068	0.034	0.039	0.029	
Regulated Urban	0.027	0.020	0.018	0.009	
Total	0.095	0.053	0.057	0.038	40.3%
<b>Wastewater</b>					
Industrial	0.029	0.018	0.018	0.010	
Municipal	0.052	0.060	0.060	-0.007	
Total	0.081	0.078	0.078	0.003	3.3%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.046	0.046	0.047	-0.001	-2.6%
<b>Non-Tidal Atm</b>					
Total	0.025	0.025	0.025	0.000	NA
<b>Total</b>	<b>1.187</b>	<b>1.046</b>	<b>0.913</b>	<b>0.274</b>	<b>23.0%</b>

Sediment 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.083		0.070	0.013	
CAFO	0.039		0.034	0.005	
Crop	144.988		116.677	28.311	
Pasture	1.876		1.848	0.028	
Nursery	2.252		1.974	0.277	
Total	149.237		120.603	28.634	19.2%
<b>Stormwater</b>					
Non-Regulated Urban	26.184		12.891	13.293	
Regulated Urban	16.263		10.819	5.443	
Total	42.447		23.711	18.736	44.1%
<b>Wastewater</b>					
Industrial	0.168		2.151	-1.983	
Municipal	0.623		1.105	-0.481	
Total	0.792		3.256	-2.464	-311.1%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	16.538		16.748	-0.211	-1.3%
<b>Non-Tidal Atm</b>					
Total	0.000		0.000	0.000	NA
<b>Total</b>	<b>209.014</b>	<b>189</b>	<b>164.318</b>	<b>44.696</b>	<b>21.4%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

## Patuxent River Basin

Nitrogen 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.020	0.013	0.017	0.003	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.416	0.303	0.347	0.069	
Pasture	0.056	0.047	0.058	-0.001	
Nursery	0.067	0.064	0.055	0.012	
Total	0.559	0.427	0.476	0.083	14.9%
<b>Stormwater</b>					
Non-Regulated Urban	0.266	0.204	0.263	0.002	
Regulated Urban	0.806	0.732	0.752	0.054	
Total	1.072	0.936	1.015	0.057	5.3%
<b>Wastewater</b>					
Industrial	0.061	0.031	0.035	0.026	
Municipal	0.669	0.917	0.682	-0.012	
Total	0.730	0.948	0.717	0.013	1.8%
<b>Septic</b>					
Total	0.469	0.308	0.438	0.030	6.4%
<b>Forest</b>					
Total	0.474	0.472	0.478	-0.004	-0.8%
<b>Non-Tidal Atm</b>					
Total	0.021	0.021	0.021	NA	NA
<b>Total</b>	<b>3.325</b>	<b>3.114</b>	<b>3.145</b>	<b>0.180</b>	<b>5.4%</b>

Phosphorus 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.003	0.002	0.003	0.000	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.037	0.030	0.032	0.005	
Pasture	0.007	0.006	0.008	-0.001	
Nursery	0.029	0.026	0.022	0.007	
Total	0.076	0.064	0.064	0.012	16.0%
<b>Stormwater</b>					
Non-Regulated Urban	0.025	0.014	0.025	0.000	
Regulated Urban	0.075	0.065	0.069	0.005	
Total	0.100	0.079	0.094	0.006	5.7%
<b>Wastewater</b>					
Industrial	0.041	0.011	0.020	0.021	
Municipal	0.072	0.072	0.053	0.019	
Total	0.113	0.083	0.073	0.040	35.3%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.014	0.014	0.014	0.000	-0.5%
<b>Non-Tidal Atm</b>					
Total	0.002	0.002	0.002	NA	NA
<b>Total</b>	<b>0.305</b>	<b>0.243</b>	<b>0.247</b>	<b>0.058</b>	<b>18.9%</b>

Sediment 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.240		0.310	-0.070	
CAFO	0.000		0.000	0.000	
Crop	39.710		33.067	6.644	
Pasture	3.760		3.641	0.119	
Nursery	2.389		1.979	0.410	
Total	46.099		38.997	7.103	15.4%
<b>Stormwater</b>					
Non-Regulated Urban	6.887		6.820	0.067	
Regulated Urban	54.217		48.469	5.748	
Total	61.104		55.289	5.815	9.5%
<b>Wastewater</b>					
Industrial	0.146		0.242	-0.097	
Municipal	0.693		6.376	-5.683	
Total	0.838		6.618	-5.780	-689.6%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	13.017		13.090	-0.073	-0.6%
<b>Non-Tidal Atmos</b>					
Total	NA		NA	NA	NA
<b>Total</b>	<b>121.059</b>	<b>123</b>	<b>113.994</b>	<b>7.065</b>	<b>5.8%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

Nitrogen 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.020	0.013	0.015	0.005	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.416	0.303	0.308	0.107	
Pasture	0.056	0.047	0.058	-0.002	
Nursery	0.067	0.064	0.052	0.015	
Total	0.559	0.427	0.433	0.126	20.8%
<b>Stormwater</b>					
Non-Regulated Urban	0.266	0.204	0.192	0.074	
Regulated Urban	0.806	0.732	0.684	0.122	
Total	1.072	0.936	0.875	0.197	22.1%
<b>Wastewater</b>					
Industrial	0.061	0.031	0.031	0.030	
Municipal	0.669	0.917	0.918	-0.249	
Total	0.730	0.948	0.949	-0.219	25.9%
<b>Septic</b>					
Total	0.469	0.308	0.329	0.140	NA
<b>Forest</b>					
Total	0.474	0.472	0.483	-0.009	-1.7%
<b>Non-Tidal Atm</b>					
Total	0.021	0.021	0.021	0.000	NA
<b>Total</b>	<b>3.325</b>	<b>3.114</b>	<b>3.091</b>	<b>0.234</b>	<b>22.0%</b>

Phosphorus 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.003	0.002	0.003	0.001	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.037	0.030	0.030	0.007	
Pasture	0.007	0.006	0.007	0.000	
Nursery	0.029	0.026	0.021	0.008	
Total	0.076	0.064	0.060	0.016	20.8%
<b>Stormwater</b>					
Non-Regulated Urban	0.025	0.014	0.016	0.009	
Regulated Urban	0.075	0.065	0.062	0.013	
Total	0.100	0.079	0.078	0.022	22.1%
<b>Wastewater</b>					
Industrial	0.041	0.011	0.011	0.030	
Municipal	0.072	0.072	0.073	-0.001	
Total	0.113	0.083	0.083	0.029	25.9%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.014	0.014	0.014	0.000	-1.7%
<b>Non-Tidal Atm</b>					
Total	0.002	0.002	0.002	0.000	NA
<b>Total</b>	<b>0.305</b>	<b>0.243</b>	<b>0.238</b>	<b>0.067</b>	<b>22.0%</b>

Sediment 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.240		0.240	0.000	
CAFO	0.000		0.000	0.000	
Crop	39.710		30.951	8.759	
Pasture	3.760		3.337	0.423	
Nursery	2.389		1.962	0.427	
Total	46.099		36.490	9.609	20.8%
<b>Stormwater</b>					
Non-Regulated Urban	6.887		4.329	2.558	
Regulated Urban	54.217		41.357	12.860	
Total	61.104		45.686	15.419	25.2%
<b>Wastewater</b>					
Industrial	0.146		0.229	-0.084	
Municipal	0.693		1.549	-0.856	
Total	0.838		1.778	-0.939	-112.1%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	13.017		13.254	-0.237	-1.8%
<b>Non-Tidal Atm</b>					
Total	0.000		0.000	0.000	NA
<b>Total</b>	<b>121.059</b>	<b>123</b>	<b>97.208</b>	<b>23.851</b>	<b>19.7%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

## Potomac River Basin

Nitrogen 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.170	0.151	0.125	0.046	
CAFO	0.005	0.014	0.008	-0.004	
Crop	5.725	4.968	5.229	0.496	
Pasture	0.635	0.560	0.617	0.018	
Nursery	0.327	0.315	0.286	0.041	
Total	6.862	6.008	6.264	0.598	8.7%
<b>Stormwater</b>					
Non-Regulated Urban	0.651	0.520	0.588	0.063	
Regulated Urban	3.369	2.986	2.961	0.408	
Total	4.020	3.506	3.549	0.471	11.7%
<b>Wastewater</b>					
Industrial	0.298	0.199	0.239	0.058	
Municipal	3.191	3.338	2.525	0.666	
Total	3.489	3.538	2.765	0.724	20.8%
<b>Septic</b>					
Total	0.767	0.549	0.742	0.025	3.3%
<b>Forest</b>					
Total	2.263	2.290	2.295	-0.033	-1.4%
<b>Non-Tidal Atm</b>					
Total	0.134	0.134	0.134	NA	NA
<b>Total</b>	<b>17.535</b>	<b>16.025</b>	<b>15.750</b>	<b>1.786</b>	<b>10.2%</b>

Phosphorus 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.026	0.021	0.019	0.007	
CAFO	0.001	0.003	0.002	-0.001	
Crop	0.323	0.287	0.303	0.020	
Pasture	0.072	0.061	0.071	0.001	
Nursery	0.091	0.084	0.076	0.015	
Total	0.513	0.456	0.472	0.041	8.0%
<b>Stormwater</b>					
Non-Regulated Urban	0.074	0.036	0.066	0.008	
Regulated Urban	0.239	0.214	0.206	0.033	
Total	0.314	0.250	0.272	0.042	13.3%
<b>Wastewater</b>					
Industrial	0.057	0.029	0.033	0.023	
Municipal	0.105	0.178	0.152	-0.047	
Total	0.161	0.207	0.185	-0.024	-14.8%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.072	0.072	0.072	-0.001	-0.8%
<b>Non-Tidal Atm</b>					
Total	0.008	0.008	0.008	NA	NA
<b>Total</b>	<b>1.067</b>	<b>0.993</b>	<b>1.009</b>	<b>0.058</b>	<b>5.5%</b>

Sediment 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	1.680		1.845	-0.165	
CAFO	0.151		0.166	-0.014	
Crop	367.109		354.937	12.172	
Pasture	34.926		33.480	1.446	
Nursery	3.759		3.188	0.571	
Total	407.625		393.615	14.010	3.4%
<b>Stormwater</b>					
Non-Regulated Urban	54.957		49.921	5.036	
Regulated Urban	212.211		179.217	32.994	
Total	267.168		229.138	38.030	14.2%
<b>Wastewater</b>					
Industrial	2.099		2.718	-0.619	
Municipal	0.967		20.572	-19.604	
Total	3.067		23.290	-20.223	-659.5%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	68.226		68.722	-0.495	-0.7%
<b>Non-Tidal Atmos</b>					
Total	NA		NA	NA	NA
<b>Total</b>	<b>746.086</b>	<b>731</b>	<b>714.765</b>	<b>31.321</b>	<b>4.2%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

Nitrogen 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.170	0.151	0.094	0.076	
CAFO	0.005	0.014	0.011	-0.006	
Crop	5.725	4.968	4.754	0.971	
Pasture	0.635	0.560	0.589	0.047	
Nursery	0.327	0.315	0.261	0.066	
Total	6.862	6.008	5.710	1.153	16.8%
<b>Stormwater</b>					
Non-Regulated Urban	0.651	0.520	0.535	0.116	
Regulated Urban	3.369	2.986	2.862	0.507	
Total	4.020	3.506	3.397	0.623	15.5%
<b>Wastewater</b>					
Industrial	0.298	0.199	0.200	0.098	
Municipal	3.191	3.338	3.339	-0.148	
Total	3.489	3.538	3.538	-0.050	-1.4%
<b>Septic</b>					
Total	0.767	0.549	0.565	0.202	26.3%
<b>Forest</b>					
Total	2.263	2.290	2.303	-0.040	-1.8%
<b>Non-Tidal Atm</b>					
Total	0.134	0.134	0.134	0.000	NA
<b>Total</b>	<b>17.535</b>	<b>16.025</b>	<b>15.647</b>	<b>1.888</b>	<b>10.8%</b>

Phosphorus 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.026	0.021	0.015	0.011	
CAFO	0.001	0.003	0.002	-0.002	
Crop	0.323	0.287	0.288	0.034	
Pasture	0.072	0.061	0.062	0.009	
Nursery	0.091	0.084	0.070	0.021	
Total	0.513	0.456	0.438	0.075	14.6%
<b>Stormwater</b>					
Non-Regulated Urban	0.074	0.036	0.055	0.020	
Regulated Urban	0.239	0.214	0.191	0.048	
Total	0.314	0.250	0.246	0.068	21.7%
<b>Wastewater</b>					
Industrial	0.057	0.029	0.029	0.028	
Municipal	0.105	0.178	0.178	-0.073	
Total	0.161	0.207	0.207	-0.045	-28.2%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.072	0.072	0.072	-0.001	-1.1%
<b>Non-Tidal Atm</b>					
Total	0.008	0.008	0.008	0.000	NA
<b>Total</b>	<b>1.067</b>	<b>0.993</b>	<b>0.970</b>	<b>0.096</b>	<b>9.0%</b>

Sediment 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	1.680		1.653	0.028	
CAFO	0.151		0.148	0.003	
Crop	367.109		336.196	30.913	
Pasture	34.926		31.105	3.821	
Nursery	3.759		3.090	0.669	
Total	407.625		372.192	35.433	8.7%
<b>Stormwater</b>					
Non-Regulated Urban	54.957		40.170	14.787	
Regulated Urban	212.211		158.165	54.046	
Total	267.168		198.335	68.833	25.8%
<b>Wastewater</b>					
Industrial	2.099		1.451	0.649	
Municipal	0.967		4.927	-3.960	
Total	3.067		6.378	-3.311	-108.0%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	68.226		69.011	-0.785	-1.2%
<b>Non-Tidal Atm</b>					
Total	0.000		0.000	0.000	NA
<b>Total</b>	<b>746.086</b>	<b>731</b>	<b>645.917</b>	<b>100.170</b>	<b>13.4%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

## Susquehanna River Basin

Nitrogen 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.013	0.008	0.010	0.003	
CAFO	0.000	0.001	0.001	0.000	
Crop	0.702	0.429	0.592	0.110	
Pasture	0.098	0.073	0.099	-0.001	
Nursery	0.042	0.039	0.032	0.010	
Total	0.855	0.550	0.733	0.122	14.3%
<b>Stormwater</b>					
Non-Regulated Urban	0.092	0.063	0.084	0.007	
Regulated Urban	0.224	0.160	0.185	0.040	
Total	0.316	0.223	0.269	0.047	14.9%
<b>Wastewater</b>					
Industrial	0.030	0.012	0.020	0.010	
Municipal	0.033	0.022	0.036	-0.004	
Total	0.062	0.034	0.057	0.006	9.2%
<b>Septic</b>					
Total	0.102	0.059	0.102	0.000	0.0%
<b>Forest</b>					
Total	0.310	0.308	0.315	-0.005	-1.7%
<b>Non-Tidal Atm</b>					
Total	0.047	0.047	0.047	NA	NA
<b>Total</b>	<b>1.692</b>	<b>1.222</b>	<b>1.523</b>	<b>0.169</b>	<b>10.0%</b>

Phosphorus 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.002	0.001	0.002	0.001	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.029	0.022	0.027	0.003	
Pasture	0.006	0.004	0.007	-0.001	
Nursery	0.009	0.008	0.007	0.003	
Total	0.046	0.035	0.041	0.005	10.4%
<b>Stormwater</b>					
Non-Regulated Urban	0.003	0.002	0.003	0.000	
Regulated Urban	0.011	0.007	0.009	0.002	
Total	0.014	0.009	0.012	0.002	16.3%
<b>Wastewater</b>					
Industrial	0.002	0.000	0.000	0.001	
Municipal	0.003	0.004	0.004	-0.001	
Total	0.005	0.004	0.004	0.000	6.2%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.005	0.005	0.005	0.000	-1.9%
<b>Non-Tidal Atm</b>					
Total	0.003	0.003	0.003	NA	NA
<b>Total</b>	<b>0.073</b>	<b>0.056</b>	<b>0.066</b>	<b>0.007</b>	<b>10.1%</b>

Sediment 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.087		0.108	-0.021	
CAFO	0.002		0.003	0.000	
Crop	44.789		41.430	3.359	
Pasture	1.560		1.838	-0.278	
Nursery	0.296		0.256	0.040	
Total	46.734		43.634	3.099	6.6%
<b>Stormwater</b>					
Non-Regulated Urban	2.942		2.824	0.118	
Regulated Urban	11.310		9.218	2.093	
Total	14.252		12.042	2.210	15.5%
<b>Wastewater</b>					
Industrial	0.026		0.046	-0.020	
Municipal	0.031		0.059	-0.028	
Total	0.056		0.104	-0.048	-85.5%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	10.159		10.293	-0.133	-1.3%
<b>Non-Tidal Atmos</b>					
Total	NA		NA	NA	NA
<b>Total</b>	<b>71.202</b>	<b>64</b>	<b>66.073</b>	<b>5.128</b>	<b>7.2%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

Nitrogen 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.013	0.008	0.008	0.005	
CAFO	0.000	0.001	0.001	0.000	
Crop	0.702	0.429	0.513	0.188	
Pasture	0.098	0.073	0.094	0.003	
Nursery	0.042	0.039	0.029	0.013	
Total	0.855	0.550	0.645	0.210	24.5%
<b>Stormwater</b>					
Non-Regulated Urban	0.092	0.063	0.064	0.028	
Regulated Urban	0.224	0.160	0.145	0.080	
Total	0.316	0.223	0.208	0.108	34.1%
<b>Wastewater</b>					
Industrial	0.030	0.012	0.012	0.018	
Municipal	0.033	0.022	0.022	0.010	
Total	0.062	0.034	0.034	0.028	45.1%
<b>Septic</b>					
Total	0.102	0.059	0.061	0.041	40.0%
<b>Forest</b>					
Total	0.310	0.308	0.318	-0.008	-2.7%
<b>Non-Tidal Atm</b>					
Total	0.047	0.047	0.047	0.000	NA
<b>Total</b>	<b>1.692</b>	<b>1.222</b>	<b>1.314</b>	<b>0.379</b>	<b>22.4%</b>

Phosphorus 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.002	0.001	0.001	0.001	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.029	0.022	0.025	0.005	
Pasture	0.006	0.004	0.006	0.000	
Nursery	0.009	0.008	0.006	0.003	
Total	0.046	0.035	0.038	0.008	18.2%
<b>Stormwater</b>					
Non-Regulated Urban	0.003	0.002	0.002	0.001	
Regulated Urban	0.011	0.007	0.007	0.005	
Total	0.014	0.009	0.008	0.006	41.6%
<b>Wastewater</b>					
Industrial	0.002	0.000	0.000	0.001	
Municipal	0.003	0.004	0.004	-0.001	
Total	0.005	0.004	0.004	0.000	5.2%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.005	0.005	0.005	0.000	-3.0%
<b>Non-Tidal Atm</b>					
Total	0.003	0.003	0.003	0.000	NA
<b>Total</b>	<b>0.073</b>	<b>0.056</b>	<b>0.058</b>	<b>0.015</b>	<b>19.9%</b>

Sediment 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.087		0.084	0.002	
CAFO	0.002		0.002	0.000	
Crop	44.789		37.021	7.768	
Pasture	1.560		1.771	-0.210	
Nursery	0.296		0.249	0.046	
Total	46.734		39.127	7.607	16.3%
<b>Stormwater</b>					
Non-Regulated Urban	2.942		1.295	1.647	
Regulated Urban	11.310		6.131	5.180	
Total	14.252		7.426	6.827	47.9%
<b>Wastewater</b>					
Industrial	0.026		0.038	-0.012	
Municipal	0.031		0.048	-0.017	
Total	0.056		0.086	-0.029	-52.3%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	10.159		10.390	-0.231	-2.3%
<b>Non-Tidal Atm</b>					
Total	0.000		0.000	0.000	NA
<b>Total</b>	<b>71.202</b>	<b>64</b>	<b>57.029</b>	<b>14.173</b>	<b>19.9%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

## Western Shore of Chesapeake Bay

Nitrogen 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.010	0.006	0.007	0.002	
CAFO	0.000	0.001	0.000	0.000	
Crop	0.623	0.421	0.542	0.081	
Pasture	0.074	0.059	0.075	-0.001	
Nursery	0.043	0.040	0.034	0.009	
Total	0.749	0.528	0.659	0.091	12.1%
<b>Stormwater</b>					
Non-Regulated Urban	0.138	0.095	0.134	0.004	
Regulated Urban	2.503	1.792	2.119	0.384	
Total	2.641	1.887	2.253	0.388	14.7%
<b>Wastewater</b>					
Industrial	1.282	0.954	1.040	0.242	
Municipal	7.837	3.982	3.365	4.472	
Total	9.119	4.936	4.404	4.714	51.7%
<b>Septic</b>					
Total	0.893	0.502	0.701	0.193	21.6%
<b>Forest</b>					
Total	0.565	0.566	0.582	-0.017	-3.0%
<b>Non-Tidal Atm</b>					
Total	0.052	0.052	0.052	NA	NA
<b>Total</b>	<b>14.020</b>	<b>8.471</b>	<b>8.651</b>	<b>5.369</b>	<b>38.3%</b>

Phosphorus 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.002	0.001	0.001	0.000	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.040	0.031	0.037	0.003	
Pasture	0.008	0.006	0.009	-0.001	
Nursery	0.015	0.014	0.012	0.004	
Total	0.065	0.052	0.059	0.006	9.7%
<b>Stormwater</b>					
Non-Regulated Urban	0.010	0.005	0.010	0.000	
Regulated Urban	0.198	0.113	0.155	0.043	
Total	0.208	0.118	0.165	0.043	20.6%
<b>Wastewater</b>					
Industrial	0.069	0.039	0.043	0.027	
Municipal	0.310	0.246	0.204	0.105	
Total	0.379	0.284	0.247	0.132	34.8%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.015	0.015	0.015	0.000	-2.5%
<b>Non-Tidal Atm</b>					
Total	0.003	0.003	0.003	NA	NA
<b>Total</b>	<b>0.670</b>	<b>0.473</b>	<b>0.489</b>	<b>0.181</b>	<b>27.0%</b>

Sediment 2017 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	2017 Interim Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.166		0.212	-0.046	
CAFO	0.013		0.015	-0.003	
Crop	42.980		41.121	1.859	
Pasture	2.528		2.632	-0.104	
Nursery	0.930		0.789	0.141	
Total	46.617		44.770	1.847	4.0%
<b>Stormwater</b>					
Non-Regulated Urban	4.564		4.268	0.296	
Regulated Urban	155.371		115.870	39.502	
Total	159.936		120.138	39.798	24.9%
<b>Wastewater</b>					
Industrial	0.943		3.843	-2.900	
Municipal	3.396		25.310	-21.914	
Total	4.339		29.153	-24.814	-571.9%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	17.564		18.316	-0.753	-4.3%
<b>Non-Tidal Atmos</b>					
Total	NA		NA	NA	NA
<b>Total</b>	<b>228.455</b>	<b>243</b>	<b>212.377</b>	<b>16.078</b>	<b>7.0%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

Nitrogen 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.010	0.006	0.006	0.004	
CAFO	0.000	0.001	0.001	0.000	
Crop	0.623	0.421	0.482	0.141	
Pasture	0.074	0.059	0.072	0.002	
Nursery	0.043	0.040	0.031	0.012	
Total	0.749	0.528	0.591	0.158	21.1%
<b>Stormwater</b>					
Non-Regulated Urban	0.138	0.095	0.098	0.040	
Regulated Urban	2.503	1.792	1.726	0.777	
Total	2.641	1.887	1.823	0.817	31.0%
<b>Wastewater</b>					
Industrial	1.282	0.954	0.930	0.352	
Municipal	7.837	3.982	3.985	3.852	
Total	9.119	4.936	4.915	4.204	46.1%
<b>Septic</b>					
Total	0.893	0.502	0.458	0.435	48.7%
<b>Forest</b>					
Total	0.565	0.566	0.601	-0.036	-6.4%
<b>Non-Tidal Atm</b>					
Total	0.052	0.052	0.052	0.000	NA
<b>Total</b>	<b>14.020</b>	<b>8.471</b>	<b>8.441</b>	<b>5.579</b>	<b>39.8%</b>

Phosphorus 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.002	0.001	0.001	0.001	
CAFO	0.000	0.000	0.000	0.000	
Crop	0.040	0.031	0.035	0.005	
Pasture	0.008	0.006	0.008	0.000	
Nursery	0.015	0.014	0.010	0.005	
Total	0.065	0.052	0.054	0.011	16.7%
<b>Stormwater</b>					
Non-Regulated Urban	0.010	0.005	0.006	0.004	
Regulated Urban	0.198	0.113	0.116	0.082	
Total	0.208	0.118	0.122	0.086	41.2%
<b>Wastewater</b>					
Industrial	0.069	0.039	0.039	0.030	
Municipal	0.310	0.246	0.246	0.064	
Total	0.379	0.284	0.284	0.094	24.9%
<b>Septic</b>					
Total	NA	NA	NA	NA	NA
<b>Forest</b>					
Total	0.015	0.015	0.016	-0.001	-5.4%
<b>Non-Tidal Atm</b>					
Total	0.003	0.003	0.003	0.000	NA
<b>Total</b>	<b>0.670</b>	<b>0.473</b>	<b>0.479</b>	<b>0.190</b>	<b>28.4%</b>

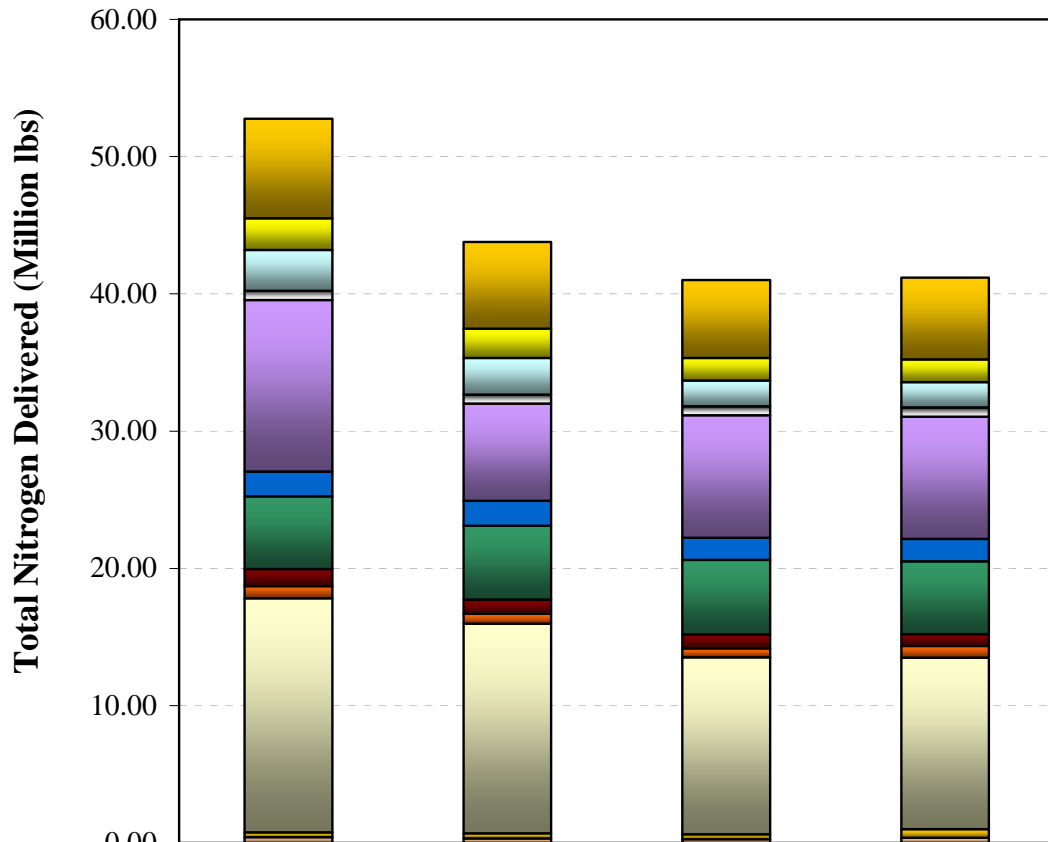
Sediment 2025 Strategy- (in millions of pounds)

Source Sector	2010 Progress	Final Target	Final Strategy Load	Amount of Reduction from 2010	% Reduction from 2010
<b>Agriculture</b>					
AFO	0.166		0.169	-0.004	
CAFO	0.013		0.013	-0.001	
Crop	42.980		37.202	5.778	
Pasture	2.528		2.387	0.141	
Nursery	0.930		0.769	0.162	
Total	46.617		40.540	6.077	13.0%
<b>Stormwater</b>					
Non-Regulated Urban	4.564		2.481	2.083	
Regulated Urban	155.371		79.005	76.366	
Total	159.936		81.486	78.449	49.1%
<b>Wastewater</b>					
Industrial	0.943		2.579	-1.636	
Municipal	3.396		18.745	-15.350	
Total	4.339		21.325	-16.986	-391.5%
<b>Septic</b>					
Total	NA		NA	NA	NA
<b>Forest</b>					
Total	17.564		18.961	-1.397	-8.0%
<b>Non-Tidal Atm</b>					
Total	0.000		0.000	0.000	NA
<b>Total</b>	<b>228.455</b>	<b>243</b>	<b>162.312</b>	<b>66.143</b>	<b>29.0%</b>

\* Sector targets were developed for Nitrogen and Phosphorus only; Basin targets were provided by EPA

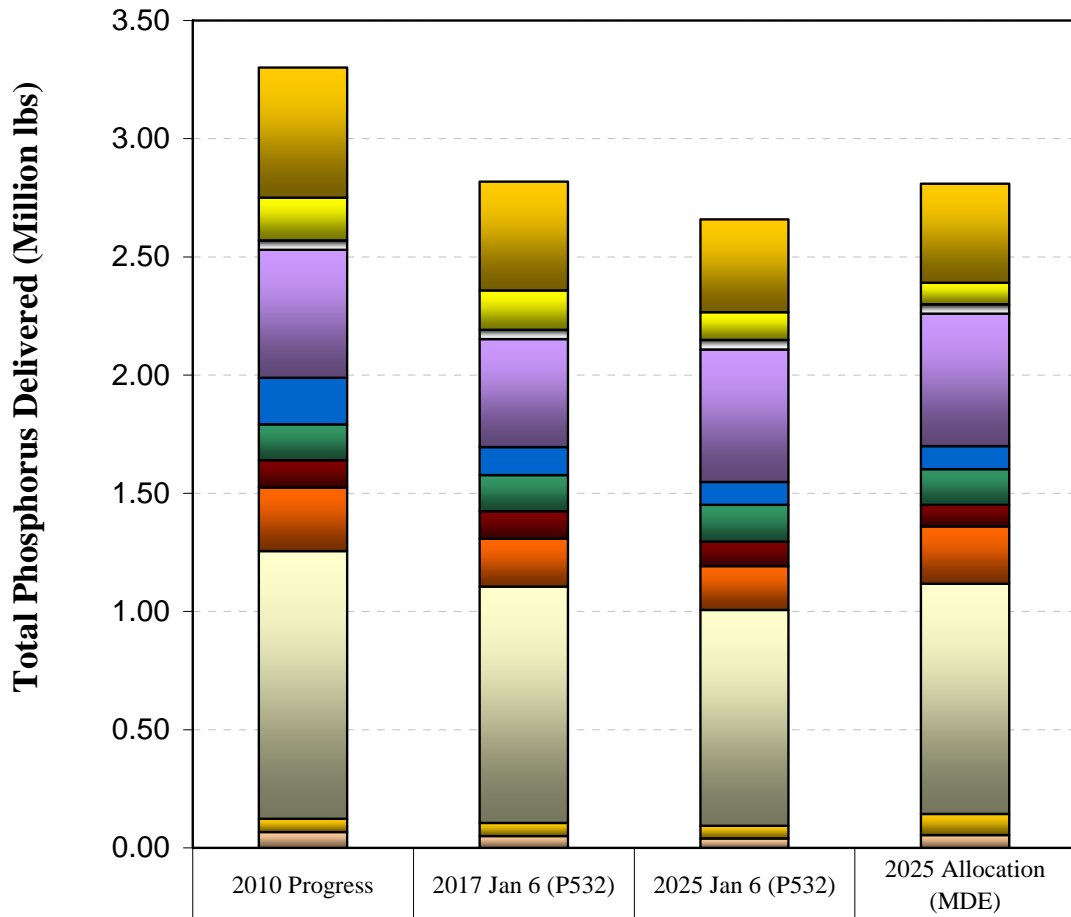
## Statewide

### Statewide



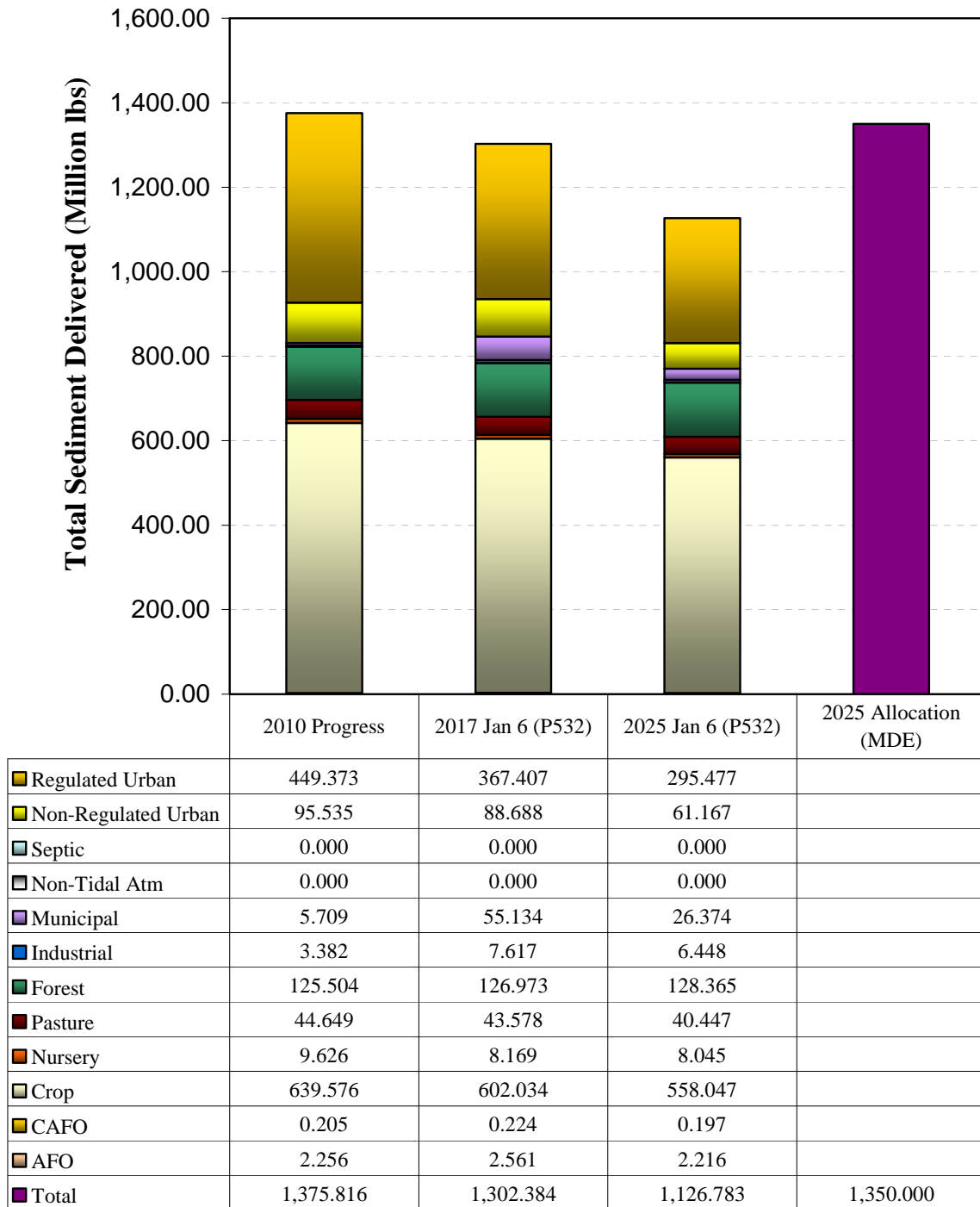
	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	7.257	6.328	5.675	5.934
Non-Regulated Urban	2.289	2.113	1.648	1.660
Septic	2.997	2.675	1.867	1.852
Non-Tidal Atm	0.665	0.665	0.665	0.665
Municipal	12.484	7.066	8.917	8.911
Industrial	1.823	1.829	1.628	1.626
Forest	5.293	5.377	5.432	5.306
Pasture	1.230	1.042	1.009	0.882
Nursery	0.891	0.710	0.650	0.843
Crop	17.059	15.287	12.883	12.482
CAFO	0.346	0.362	0.372	0.634
AFO	0.423	0.329	0.266	0.373

**Statewide**



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.549	0.461	0.393	0.419
Non-Regulated Urban	0.181	0.166	0.118	0.091
Septic	0.000	0.000	0.000	0.000
Non-Tidal Atm	0.040	0.040	0.040	0.040
Municipal	0.542	0.456	0.560	0.560
Industrial	0.197	0.118	0.097	0.097
Forest	0.152	0.153	0.155	0.152
Pasture	0.116	0.116	0.104	0.091
Nursery	0.269	0.203	0.186	0.242
Crop	1.131	0.999	0.913	0.974
CAFO	0.057	0.055	0.053	0.091
AFO	0.067	0.051	0.040	0.054

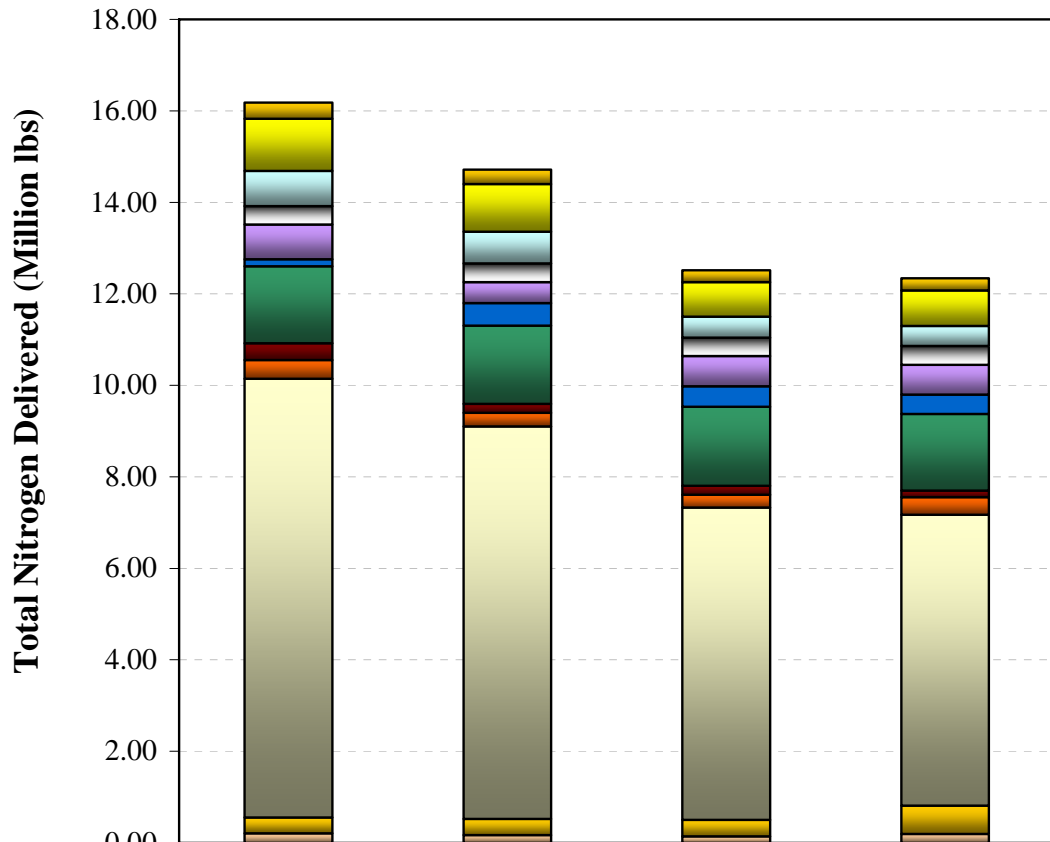
### Statewide



\*\*\* Sediment is shown only Statewide; Sector targets were only developed for Nitrogen and Phosphorus

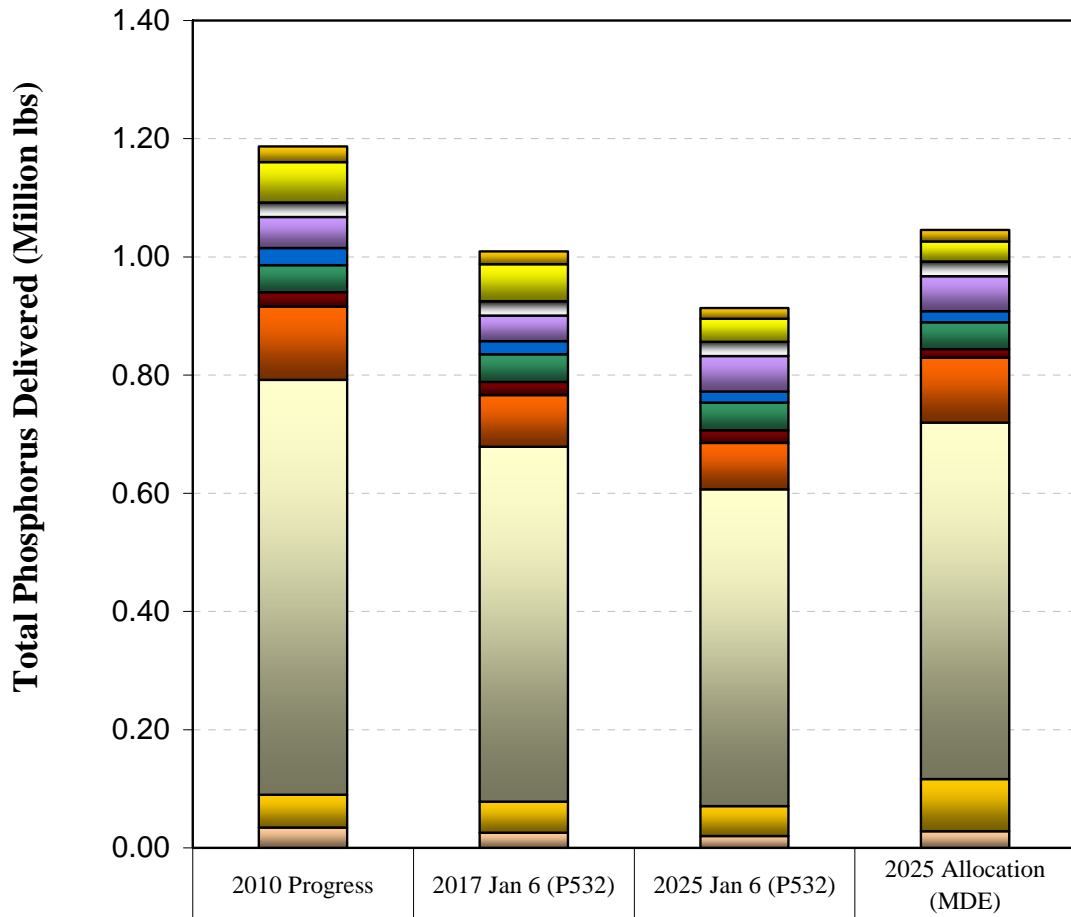
### Eastern Shore of Chesapeake Bay

Eastern Shore of Chesapeake Bay



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.354	0.311	0.258	0.264
Non-Regulated Urban	1.142	1.044	0.760	0.778
Septic	0.765	0.692	0.453	0.434
Non-Tidal Atm	0.409	0.409	0.409	0.409
Municipal	0.754	0.458	0.653	0.652
Industrial	0.153	0.494	0.455	0.429
Forest	1.682	1.706	1.727	1.669
Pasture	0.367	0.194	0.196	0.143
Nursery	0.412	0.304	0.277	0.385
Crop	9.593	8.578	6.826	6.361
CAFO	0.341	0.352	0.360	0.619
AFO	0.210	0.170	0.143	0.195

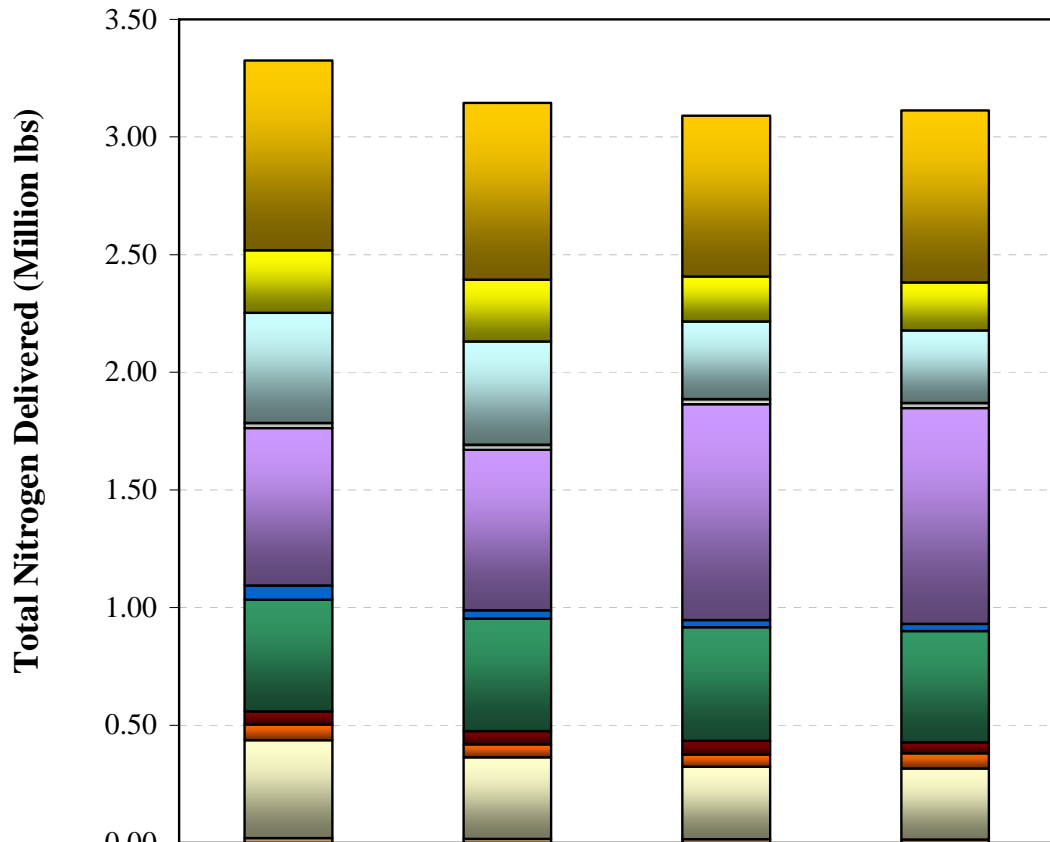
### Eastern Shore of Chesapeake Bay



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.027	0.022	0.018	0.020
Non-Regulated Urban	0.068	0.062	0.039	0.034
Septic	0.000	0.000	0.000	0.000
Non-Tidal Atm	0.025	0.025	0.025	0.025
Municipal	0.052	0.043	0.060	0.060
Industrial	0.029	0.022	0.018	0.018
Forest	0.046	0.047	0.047	0.046
Pasture	0.024	0.023	0.021	0.015
Nursery	0.124	0.087	0.079	0.110
Crop	0.702	0.601	0.536	0.603
CAFO	0.056	0.053	0.050	0.088
AFO	0.034	0.026	0.020	0.028

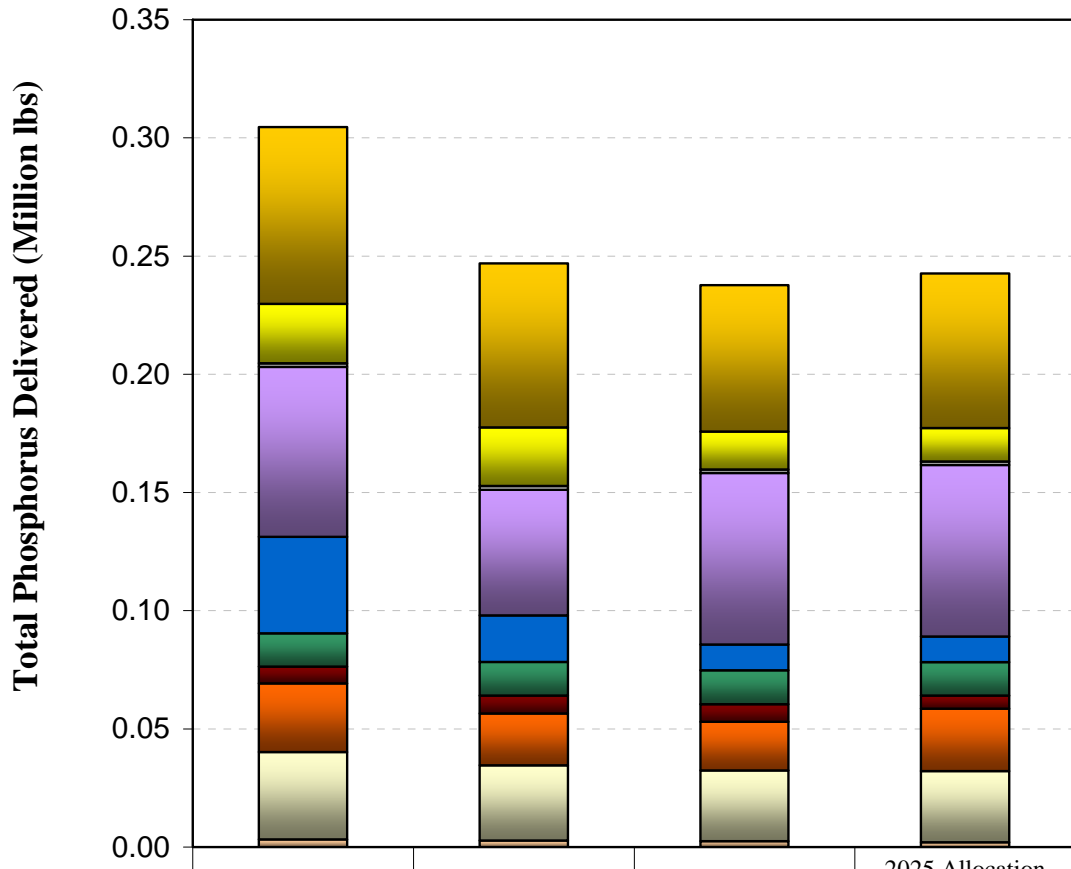
**Patuxent River Basin**

**Patuxent River Basin**



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.806	0.752	0.684	0.732
Non-Regulated Urban	0.266	0.263	0.192	0.204
Septic	0.469	0.438	0.329	0.308
Non-Tidal Atm	0.021	0.021	0.021	0.021
Municipal	0.669	0.682	0.918	0.917
Industrial	0.061	0.035	0.031	0.031
Forest	0.474	0.478	0.483	0.472
Pasture	0.056	0.058	0.058	0.047
Nursery	0.067	0.055	0.052	0.064
Crop	0.416	0.347	0.308	0.303
CAFO	0.000	0.000	0.000	0.000
AFO	0.020	0.017	0.015	0.013

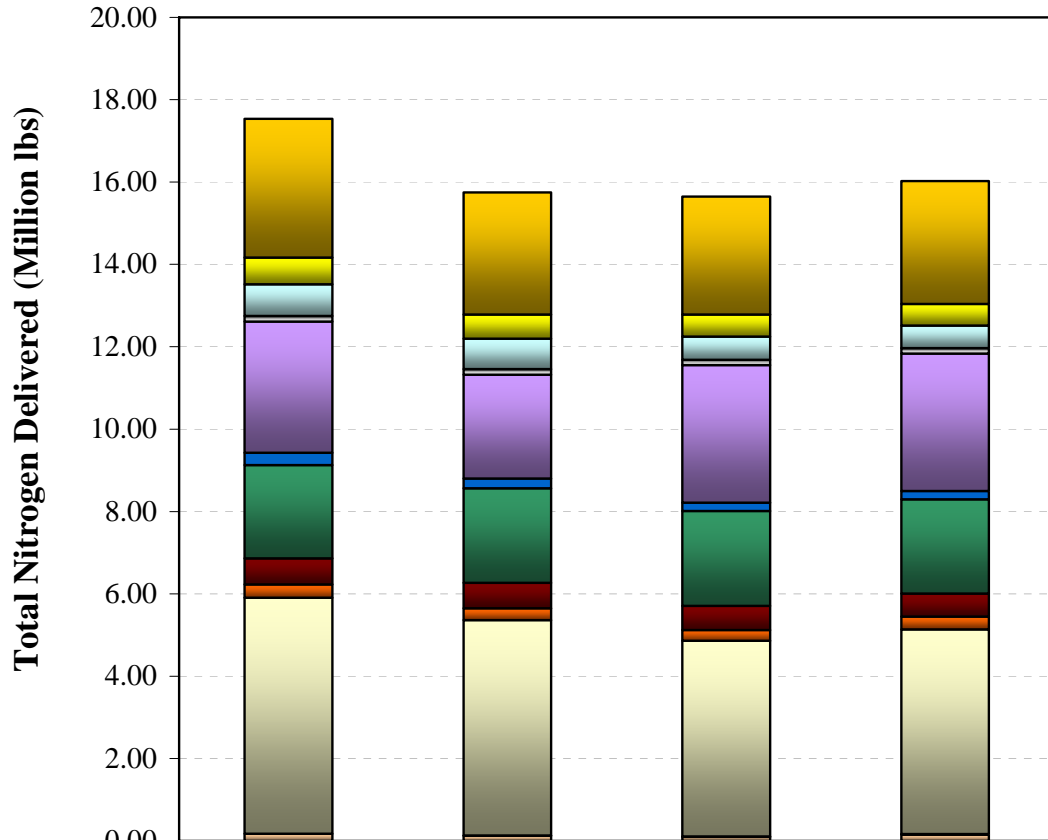
### Patuxent River Basin



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.075	0.069	0.062	0.065
Non-Regulated Urban	0.025	0.025	0.016	0.014
Septic	0.000	0.000	0.000	0.000
Non-Tidal Atm	0.002	0.002	0.002	0.002
Municipal	0.072	0.053	0.073	0.072
Industrial	0.041	0.020	0.011	0.011
Forest	0.014	0.014	0.014	0.014
Pasture	0.007	0.008	0.007	0.006
Nursery	0.029	0.022	0.021	0.026
Crop	0.037	0.032	0.030	0.030
CAFO	0.000	0.000	0.000	0.000
AFO	0.003	0.003	0.003	0.002

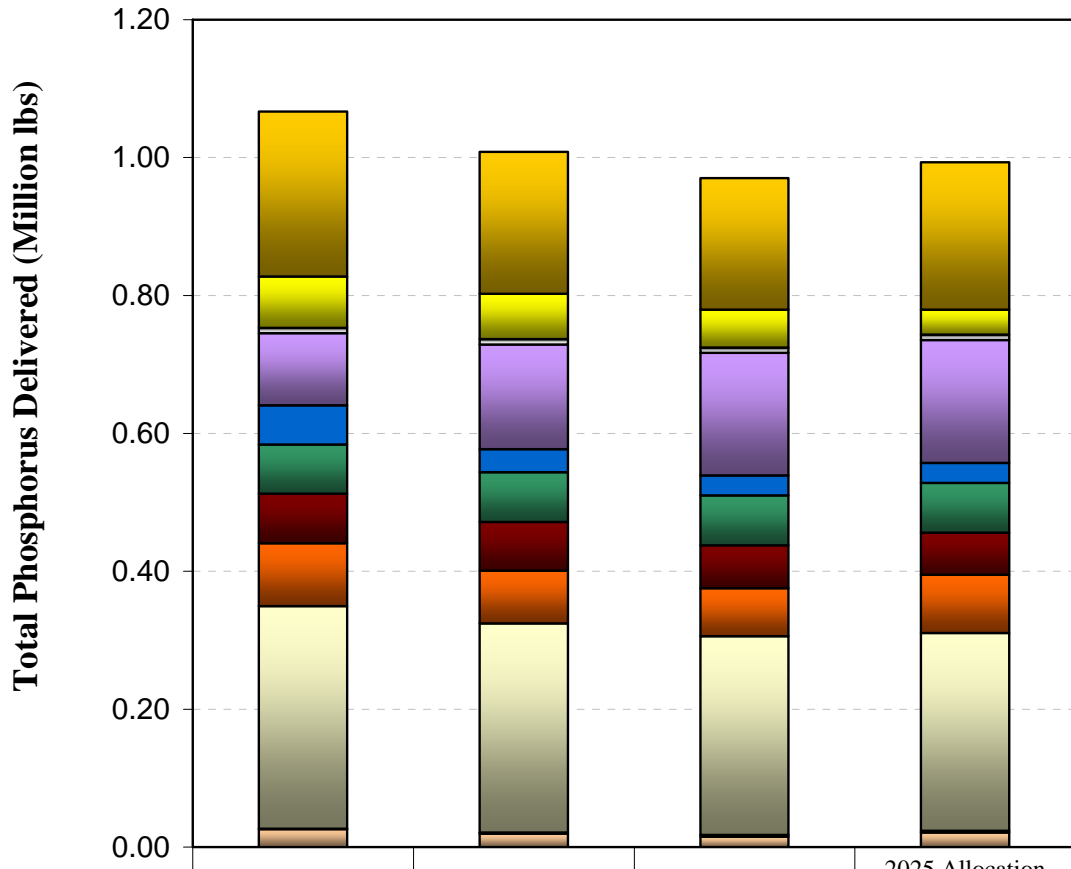
## Potomac River Basin

### Potomac River Basin



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	3.369	2.961	2.862	2.986
Non-Regulated Urban	0.651	0.588	0.535	0.520
Septic	0.767	0.742	0.565	0.549
Non-Tidal Atm	0.134	0.134	0.134	0.134
Municipal	3.191	2.525	3.339	3.338
Industrial	0.298	0.239	0.200	0.199
Forest	2.263	2.295	2.303	2.290
Pasture	0.635	0.617	0.589	0.560
Nursery	0.327	0.286	0.261	0.315
Crop	5.725	5.229	4.754	4.968
CAFO	0.005	0.008	0.011	0.014
AFO	0.170	0.125	0.094	0.151

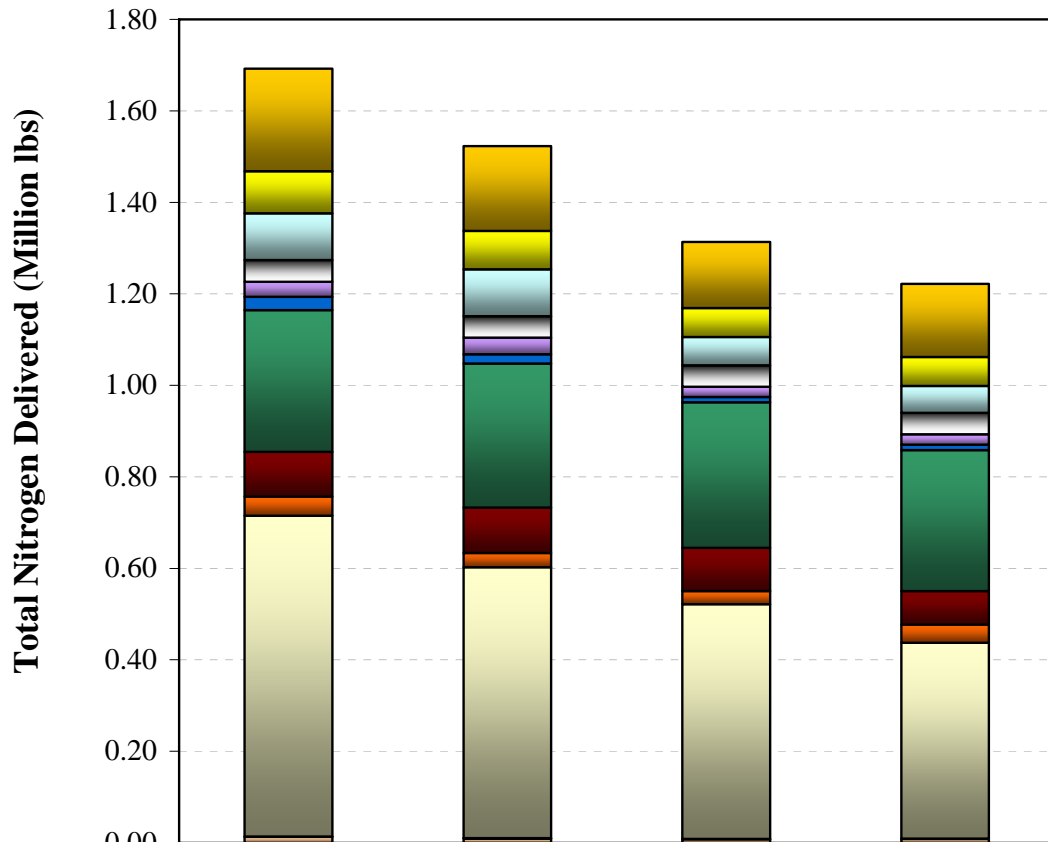
### Potomac River Basin



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.239	0.206	0.191	0.214
Non-Regulated Urban	0.074	0.066	0.055	0.036
Septic	0.000	0.000	0.000	0.000
Non-Tidal Atm	0.008	0.008	0.008	0.008
Municipal	0.105	0.152	0.178	0.178
Industrial	0.057	0.033	0.029	0.029
Forest	0.072	0.072	0.072	0.072
Pasture	0.072	0.071	0.062	0.061
Nursery	0.091	0.076	0.070	0.084
Crop	0.323	0.303	0.288	0.287
CAFO	0.001	0.002	0.002	0.003
AFO	0.026	0.019	0.015	0.021

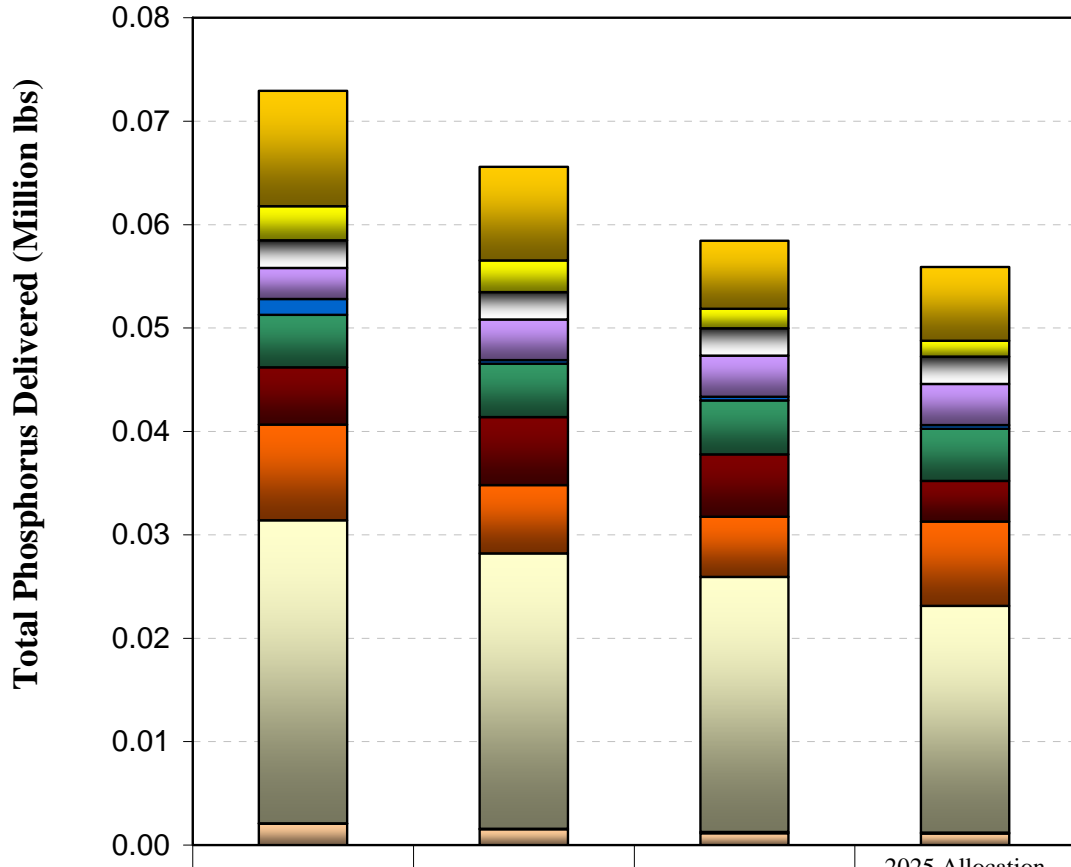
## Susquehanna River Basin

Susquehanna River Basin



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.224	0.185	0.145	0.160
Non-Regulated Urban	0.092	0.084	0.064	0.063
Septic	0.102	0.102	0.061	0.059
Non-Tidal Atm	0.047	0.047	0.047	0.047
Municipal	0.033	0.036	0.022	0.022
Industrial	0.030	0.020	0.012	0.012
Forest	0.310	0.315	0.318	0.308
Pasture	0.098	0.099	0.094	0.073
Nursery	0.042	0.032	0.029	0.039
Crop	0.702	0.592	0.513	0.429
CAFO	0.000	0.001	0.001	0.001
AFO	0.013	0.010	0.008	0.008

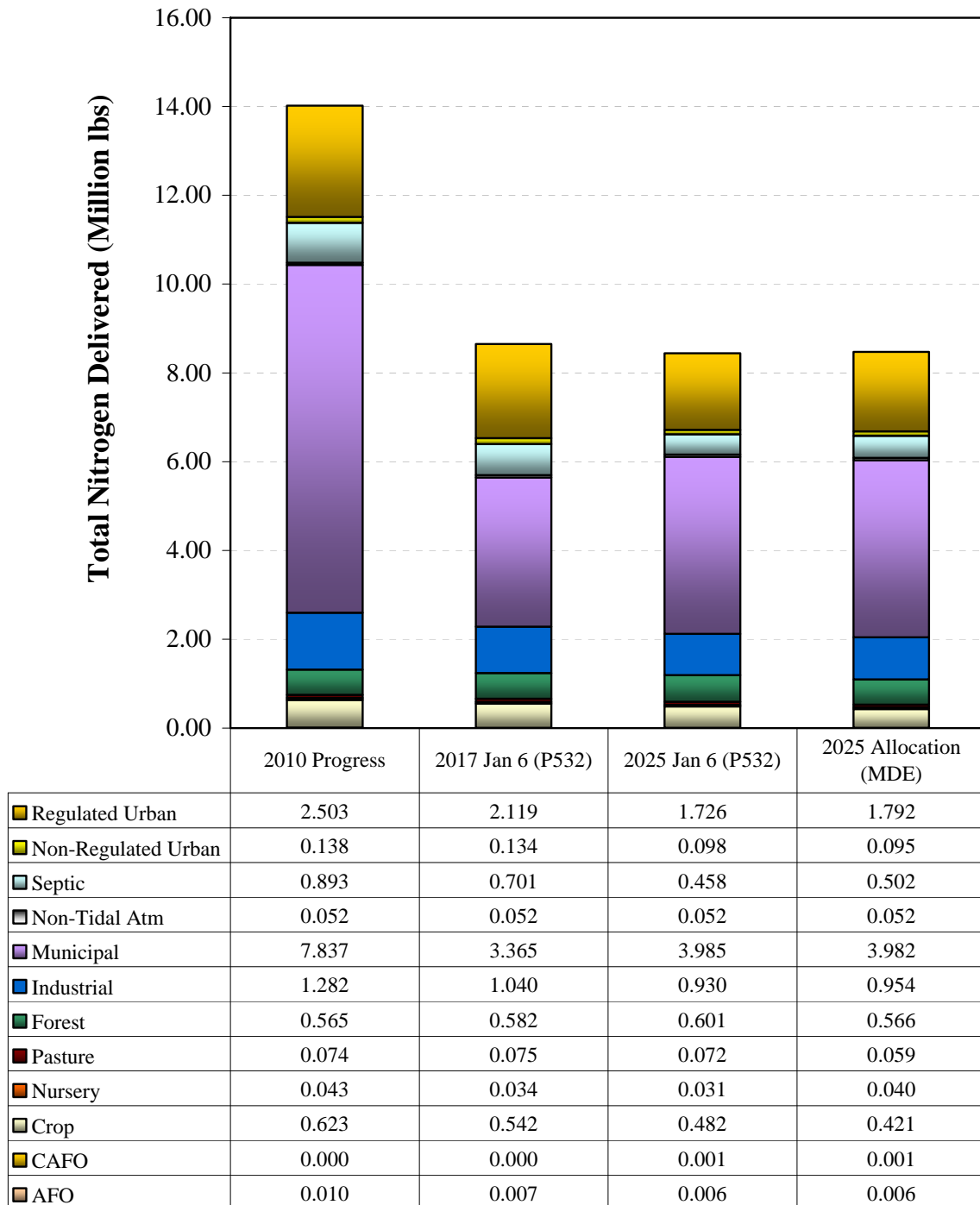
### Susquehanna River Basin



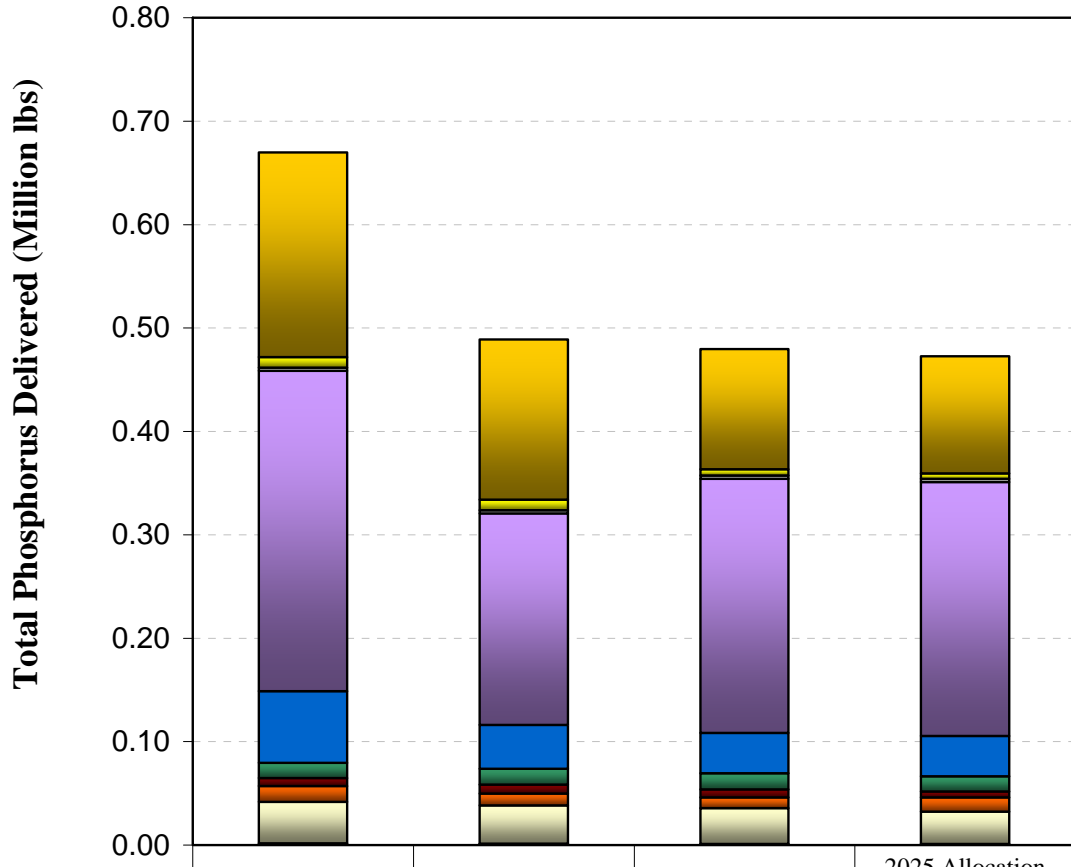
	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.011	0.009	0.007	0.007
Non-Regulated Urban	0.003	0.003	0.002	0.002
Septic	0.000	0.000	0.000	0.000
Non-Tidal Atm	0.003	0.003	0.003	0.003
Municipal	0.003	0.004	0.004	0.004
Industrial	0.002	0.000	0.000	0.000
Forest	0.005	0.005	0.005	0.005
Pasture	0.006	0.007	0.006	0.004
Nursery	0.009	0.007	0.006	0.008
Crop	0.029	0.027	0.025	0.022
CAFO	0.000	0.000	0.000	0.000
AFO	0.002	0.002	0.001	0.001

## Western Shore of Chesapeake Bay

Western Shore of Chesapeake Bay



### Western Shore of Chesapeake Bay



	2010 Progress	2017 Jan 6 (P532)	2025 Jan 6 (P532)	2025 Allocation (MDE)
Regulated Urban	0.198	0.155	0.116	0.113
Non-Regulated Urban	0.010	0.010	0.006	0.005
Septic	0.000	0.000	0.000	0.000
Non-Tidal Atm	0.003	0.003	0.003	0.003
Municipal	0.310	0.204	0.246	0.246
Industrial	0.069	0.043	0.039	0.039
Forest	0.015	0.015	0.016	0.015
Pasture	0.008	0.009	0.008	0.006
Nursery	0.015	0.012	0.010	0.014
Crop	0.040	0.037	0.035	0.031
CAFO	0.000	0.000	0.000	0.000
AFO	0.002	0.001	0.001	0.001

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Eastern Shore	Agriculture	Alternative Crops		662	662
Eastern Shore	Agriculture	Barnyard Runoff Control	60	21	-39
Eastern Shore	Agriculture	Commodity Cover Crop Early Other Rye	63		-63
Eastern Shore	Agriculture	Commodity Cover Crop Early Other Wheat	4,934		-4,934
Eastern Shore	Agriculture	Commodity Cover Crop Standard Other Wheat	49,095		-49,095
Eastern Shore	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat			0
Eastern Shore	Agriculture	Conservation Tillage	434,199	449,838	15,639
Eastern Shore	Agriculture	Cover Crop Early Other Rye	5,855		-5,855
Eastern Shore	Agriculture	Cover Crop Early Other Wheat	48,847		-48,847
Eastern Shore	Agriculture	Cover Crop Standard Drilled Wheat		226,229	226,229
Eastern Shore	Agriculture	Cover Crop Standard Other Wheat	41,231		-41,231
Eastern Shore	Agriculture	Cropland Irrigation Management		104,793	104,793
Eastern Shore	Agriculture	Dairy Manure Injection		11,020	11,020
Eastern Shore	Agriculture	Decision Agriculture		198,664	198,664
Eastern Shore	Agriculture	Enhanced Nutrient Management		14,996	14,996
Eastern Shore	Agriculture	Forest Buffers	9,848	10,472	624
Eastern Shore	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	39,749	41,941	2,192
Eastern Shore	Agriculture	Heavy Use Poultry Area Concrete Pads		100	100
Eastern Shore	Agriculture	Horse Pasture Management		1,330	1,330
Eastern Shore	Agriculture	Irrigation Water Capture Reuse		580	580
Eastern Shore	Agriculture	Land Retirement to hay without nutrients (HEL)	4,760	7,479	2,719
Eastern Shore	Agriculture	Land Retirement to pasture (HEL)		9,863	9,863
Eastern Shore	Agriculture	Loafing Lot Management		52	52
Eastern Shore	Agriculture	Non Urban Stream Restoration (Linear Feet)		1,267	1,267
Eastern Shore	Agriculture	Nutrient Management	626,126	162,538	-463,588
Eastern Shore	Agriculture	Off Stream Watering Without Fencing	1,342	223	-1,119
Eastern Shore	Agriculture	Poultry Litter Injection		78,769	78,769
Eastern Shore	Agriculture	Precision Intensive Rotational Grazing		157	157
Eastern Shore	Agriculture	Prescribed Grazing		623	623
Eastern Shore	Agriculture	Shorline Erosion control (Linear Feet)			0

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Eastern Shore	Agriculture	Soil Conservation and Water Quality Plans	388,034	446,918	58,885
Eastern Shore	Agriculture	Sorbing Materials in Ag Ditches		1,366	1,366
Eastern Shore	Agriculture	Stream Access Control with Fencing	35	65	29
Eastern Shore	Agriculture	Streamside Forest Buffers	652	406	-246
Eastern Shore	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	5,559	3,340	-2,219
Eastern Shore	Agriculture	Water Control Structures	17	9,875	9,858
Eastern Shore	Agriculture	Wetland Restoration	6,786	6,360	-426
Eastern Shore	Forest	Forest Harvesting Practices	9,612	9,879	267
Eastern Shore	Septic	Septic Connection		262	262
Eastern Shore	Septic	Septic Denitrification	1,226	12,996	11,770
Eastern Shore	Septic	Septic Pumping		2,565	2,565
Eastern Shore	Urban	Bioretention/raingardens		108	108
Eastern Shore	Urban	Bioswale		46	46
Eastern Shore	Urban	Dry Detention Ponds and Hydrodynamic Structures	2,181	2,261	80
Eastern Shore	Urban	Dry Extended Detention Ponds	685	770	85
Eastern Shore	Urban	Erosion and Sediment Control	4,090	4,090	0
Eastern Shore	Urban	Erosion and Sediment Control on Extractive		0	0
Eastern Shore	Urban	Forest Conservation	14,437	14,357	-81
Eastern Shore	Urban	Impervious Urban Surface Reduction		509	509
Eastern Shore	Urban	MS4 Permit-Required Stormwater Retrofit	1,893	1,916	23
Eastern Shore	Urban	Shorline Erosion control (Linear Feet)		16,250	16,250
Eastern Shore	Urban	Stormwater Management by Era 1985 to 2002 MD	24,612	24,376	-236
Eastern Shore	Urban	Stormwater Management by Era 2002 to 2010 MD	30,132	28,982	-1,150
Eastern Shore	Urban	Street Sweeping Mechanical Monthly		243	243
Eastern Shore	Urban	Street Sweeping Pounds			0
Eastern Shore	Urban	Urban Filtering Practices	250	2,909	2,658
Eastern Shore	Urban	Urban Forest Buffers	38	8,245	8,207
Eastern Shore	Urban	Urban Infiltration Practices - no sand/veg no underdrain	769	773	4
Eastern Shore	Urban	Urban Infiltration Practices - with sand/veg no underdrain			0
Eastern Shore	Urban	Urban Nutrient Management		81,643	81,643

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Eastern Shore	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		1,238	1,238
Eastern Shore	Urban	Urban Tree Planting; Urban Tree Canopy		336	336
Eastern Shore	Urban	Vegetated Open Channel - Urban			0
Eastern Shore	Urban	Wet Ponds and Wetlands	9,234	8,832	-402
Patuxent	Agriculture	Alternative Crops			0
Patuxent	Agriculture	Barnyard Runoff Control	109	20	-88
Patuxent	Agriculture	Commodity Cover Crop Early Other Rye	8		-8
Patuxent	Agriculture	Commodity Cover Crop Early Other Wheat	79		-79
Patuxent	Agriculture	Commodity Cover Crop Standard Other Wheat	1,486		-1,486
Patuxent	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat			0
Patuxent	Agriculture	Conservation Tillage	19,457	23,335	3,878
Patuxent	Agriculture	Cover Crop Early Other Rye	379		-379
Patuxent	Agriculture	Cover Crop Early Other Wheat	705		-705
Patuxent	Agriculture	Cover Crop Standard Drilled Wheat		8,850	8,850
Patuxent	Agriculture	Cover Crop Standard Other Wheat	1,560		-1,560
Patuxent	Agriculture	Cropland Irrigation Management		1,209	1,209
Patuxent	Agriculture	Dairy Manure Injection		507	507
Patuxent	Agriculture	Decision Agriculture		10,081	10,081
Patuxent	Agriculture	Enhanced Nutrient Management		7,706	7,706
Patuxent	Agriculture	Forest Buffers	729	775	46
Patuxent	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	556	605	49
Patuxent	Agriculture	Heavy Use Poultry Area Concrete Pads			0
Patuxent	Agriculture	Horse Pasture Management		995	995
Patuxent	Agriculture	Irrigation Water Capture Reuse		89	89
Patuxent	Agriculture	Land Retirement to hay without nutrients (HEL)	1,297	1,384	86
Patuxent	Agriculture	Land Retirement to pasture (HEL)		2,788	2,788
Patuxent	Agriculture	Loafing Lot Management		9	9
Patuxent	Agriculture	Non Urban Stream Restoration (Linear Feet)		9,514	9,514
Patuxent	Agriculture	Nutrient Management	55,911	17,376	-38,535
Patuxent	Agriculture	Off Stream Watering Without Fencing	4,617	556	-4,061

<b>2017 BMP Strategies by Major Basin</b> (units in acres, unless otherwise noted)					
<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Patuxent	Agriculture	Poultry Litter Injection		321	321
Patuxent	Agriculture	Precision Intensive Rotational Grazing		48	48
Patuxent	Agriculture	Prescribed Grazing		542	542
Patuxent	Agriculture	Shoreline Erosion control (Linear Feet)			0
Patuxent	Agriculture	Soil Conservation and Water Quality Plans	36,152	51,077	14,925
Patuxent	Agriculture	Sorbing Materials in Ag Ditches			0
Patuxent	Agriculture	Stream Access Control with Fencing	40	24	-16
Patuxent	Agriculture	Streamside Forest Buffers	65	28	-37
Patuxent	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	2,739	1,121	-1,618
Patuxent	Agriculture	Water Control Structures	1	60	60
Patuxent	Agriculture	Wetland Restoration	90	1,905	1,814
Patuxent	Forest	Forest Harvesting Practices	1,510	2,928	1,418
Patuxent	Forest	Shoreline Erosion control (Linear Feet)			0
Patuxent	Septic	Septic Connection		1,072	1,072
Patuxent	Septic	Septic Denitrification	188	4,952	4,764
Patuxent	Septic	Septic Pumping		15,029	15,029
Patuxent	Urban	Abandoned Mine Reclamation		3	3
Patuxent	Urban	Bioretention/raingardens		2,547	2,547
Patuxent	Urban	Bioswale		1,548	1,548
Patuxent	Urban	Dry Detention Ponds and Hydrodynamic Structures	3,299	2,545	-754
Patuxent	Urban	Dry Extended Detention Ponds	3,896	3,411	-484
Patuxent	Urban	Erosion and Sediment Control	6,578	6,578	0
Patuxent	Urban	Erosion and Sediment Control on Extractive		0	0
Patuxent	Urban	Forest Conservation	19,737	19,661	-76
Patuxent	Urban	Impervious Urban Surface Reduction	1	866	865
Patuxent	Urban	MS4 Permit-Required Stormwater Retrofit	3,699	9,593	5,895
Patuxent	Urban	Stormwater Management by Era 1985 to 2002 MD	26,228	15,006	-11,222
Patuxent	Urban	Stormwater Management by Era 2002 to 2010 MD	8,652	8,762	109
Patuxent	Urban	Street Sweeping Mechanical Monthly		6	6
Patuxent	Urban	Street Sweeping Pounds		1,008	1,008

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Patuxent	Urban	Urban Filtering Practices	623	8,237	7,614
Patuxent	Urban	Urban Forest Buffers	77	1,579	1,502
Patuxent	Urban	Urban Infiltration Practices - no sand\veg no underdrain	2,192	5,289	3,097
Patuxent	Urban	Urban Infiltration Practices - with sand\veg no underdrain			0
Patuxent	Urban	Urban Nutrient Management		38,574	38,574
Patuxent	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		100,511	100,511
Patuxent	Urban	Urban Tree Planting; Urban Tree Canopy		8	8
Patuxent	Urban	Vegetated Open Channel - Urban			0
Patuxent	Urban	Wet Ponds and Wetlands	7,357	10,894	3,537
Potomac	Agriculture	Alternative Crops		20	20
Potomac	Agriculture	Barnyard Runoff Control	368	69	-299
Potomac	Agriculture	Commodity Cover Crop Early Other Rye	41		-41
Potomac	Agriculture	Commodity Cover Crop Early Other Wheat	1,670		-1,670
Potomac	Agriculture	Commodity Cover Crop Standard Other Wheat	9,659		-9,659
Potomac	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat			0
Potomac	Agriculture	Conservation Tillage	131,690	166,692	35,001
Potomac	Agriculture	Cover Crop Early Other Rye	2,508		-2,508
Potomac	Agriculture	Cover Crop Early Other Wheat	8,506		-8,506
Potomac	Agriculture	Cover Crop Standard Drilled Wheat		74,531	74,531
Potomac	Agriculture	Cover Crop Standard Other Wheat	12,702		-12,702
Potomac	Agriculture	Cropland Irrigation Management		4,267	4,267
Potomac	Agriculture	Dairy Manure Injection		7,585	7,585
Potomac	Agriculture	Decision Agriculture		111,946	111,946
Potomac	Agriculture	Enhanced Nutrient Management		87,780	87,780
Potomac	Agriculture	Forest Buffers	6,406	6,624	218
Potomac	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	3,682	3,885	203
Potomac	Agriculture	Heavy Use Poultry Area Concrete Pads		1	1
Potomac	Agriculture	Horse Pasture Management		286	286
Potomac	Agriculture	Irrigation Water Capture Reuse		140	140
Potomac	Agriculture	Land Retirement to hay without nutrients (HEL)	9,388	7,444	-1,944

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Potomac	Agriculture	Land Retirement to pasture (HEL)		4,547	4,547
Potomac	Agriculture	Loafing Lot Management		79	79
Potomac	Agriculture	Non Urban Stream Restoration (Linear Feet)		25,883	25,883
Potomac	Agriculture	Nutrient Management	359,124	81,793	-277,332
Potomac	Agriculture	Off Stream Watering Without Fencing	8,869	1,379	-7,489
Potomac	Agriculture	Poultry Litter Injection		1,165	1,165
Potomac	Agriculture	Precision Intensive Rotational Grazing		1,275	1,275
Potomac	Agriculture	Prescribed Grazing		6,834	6,834
Potomac	Agriculture	Shorline Erosion control (Linear Feet)			0
Potomac	Agriculture	Soil Conservation and Water Quality Plans	211,698	306,802	95,104
Potomac	Agriculture	Sorbing Materials in Ag Ditches			0
Potomac	Agriculture	Stream Access Control with Fencing	263	268	5
Potomac	Agriculture	Streamside Forest Buffers	388	12	-376
Potomac	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	4,950	2,842	-2,108
Potomac	Agriculture	Water Control Structures	2	21	19
Potomac	Agriculture	Wetland Restoration	431	231	-199
Potomac	Forest	Forest Harvesting Practices	9,485	11,267	1,782
Potomac	Forest	Non Urban Stream Restoration (Linear Feet)		117	117
Potomac	Forest	Shorline Erosion control (Linear Feet)			0
Potomac	Septic	Septic Connection		2,144	2,144
Potomac	Septic	Septic Denitrification	312	1,243	931
Potomac	Septic	Septic Pumping		2,033	2,033
Potomac	Urban	Abandoned Mine Reclamation		1,366	1,366
Potomac	Urban	Bioretention/raingardens		1,539	1,539
Potomac	Urban	Bioswale			0
Potomac	Urban	Dry Detention Ponds and Hydrodynamic Structures	19,432	17,987	-1,445
Potomac	Urban	Dry Extended Detention Ponds	11,098	9,775	-1,324
Potomac	Urban	Erosion and Sediment Control	17,144	17,144	0
Potomac	Urban	Erosion and Sediment Control on Extractive		524	524
Potomac	Urban	Forest Conservation	34,025	34,623	597

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Potomac	Urban	Impervious Urban Surface Reduction	2	4,448	4,446
Potomac	Urban	MS4 Permit-Required Stormwater Retrofit	13,203	12,882	-321
Potomac	Urban	Stormwater Management by Era 1985 to 2002 MD	59,666	56,877	-2,789
Potomac	Urban	Stormwater Management by Era 2002 to 2010 MD	21,808	21,374	-434
Potomac	Urban	Street Sweeping Mechanical Monthly		1,645	1,645
Potomac	Urban	Street Sweeping Pounds			0
Potomac	Urban	Urban Filtering Practices	1,197	39,462	38,266
Potomac	Urban	Urban Forest Buffers	112	14,808	14,695
Potomac	Urban	Urban Infiltration Practices - no sand/veg no underdrain	4,162	8,924	4,762
Potomac	Urban	Urban Infiltration Practices - with sand/veg no underdrain			0
Potomac	Urban	Urban Nutrient Management		164,142	164,142
Potomac	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		75,050	75,050
Potomac	Urban	Urban Tree Planting; Urban Tree Canopy		68	68
Potomac	Urban	Vegetated Open Channel - Urban			0
Potomac	Urban	Wet Ponds and Wetlands	20,830	20,275	-555
Susquehanna	Agriculture	Alternative Crops			0
Susquehanna	Agriculture	Barnyard Runoff Control	96	18	-79
Susquehanna	Agriculture	Commodity Cover Crop Early Other Rye	0		0
Susquehanna	Agriculture	Commodity Cover Crop Early Other Wheat	277		-277
Susquehanna	Agriculture	Commodity Cover Crop Standard Other Wheat	1,633		-1,633
Susquehanna	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat			0
Susquehanna	Agriculture	Conservation Tillage	18,477	22,896	4,419
Susquehanna	Agriculture	Cover Crop Early Other Rye	528		-528
Susquehanna	Agriculture	Cover Crop Early Other Wheat	1,800		-1,800
Susquehanna	Agriculture	Cover Crop Standard Drilled Wheat		9,896	9,896
Susquehanna	Agriculture	Cover Crop Standard Other Wheat	2,056		-2,056
Susquehanna	Agriculture	Cropland Irrigation Management		474	474
Susquehanna	Agriculture	Dairy Manure Injection		1,635	1,635
Susquehanna	Agriculture	Decision Agriculture		14,281	14,281
Susquehanna	Agriculture	Enhanced Nutrient Management		8,775	8,775

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Susquehanna	Agriculture	Forest Buffers	619	658	39
Susquehanna	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	467	493	26
Susquehanna	Agriculture	Heavy Use Poultry Area Concrete Pads		0	0
Susquehanna	Agriculture	Horse Pasture Management		40	40
Susquehanna	Agriculture	Irrigation Water Capture Reuse		50	50
Susquehanna	Agriculture	Land Retirement to hay without nutrients (HEL)	553	602	49
Susquehanna	Agriculture	Land Retirement to pasture (HEL)		2,313	2,313
Susquehanna	Agriculture	Loafing Lot Management		9	9
Susquehanna	Agriculture	Non Urban Stream Restoration (Linear Feet)		1,495	1,495
Susquehanna	Agriculture	Nutrient Management	47,328	7,774	-39,555
Susquehanna	Agriculture	Off Stream Watering Without Fencing	4,974	588	-4,386
Susquehanna	Agriculture	Poultry Litter Injection		824	824
Susquehanna	Agriculture	Precision Intensive Rotational Grazing		75	75
Susquehanna	Agriculture	Prescribed Grazing		512	512
Susquehanna	Agriculture	Soil Conservation and Water Quality Plans	28,552	34,997	6,445
Susquehanna	Agriculture	Sorbing Materials in Ag Ditches		35	35
Susquehanna	Agriculture	Stream Access Control with Fencing	22	2	-20
Susquehanna	Agriculture	Streamside Forest Buffers	31		-31
Susquehanna	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	647	388	-258
Susquehanna	Agriculture	Water Control Structures	2	38	35
Susquehanna	Agriculture	Wetland Restoration	149	89	-60
Susquehanna	Forest	Forest Harvesting Practices	826	901	74
Susquehanna	Forest	Non Urban Stream Restoration (Linear Feet)		40	40
Susquehanna	Septic	Septic Connection			0
Susquehanna	Septic	Septic Denitrification	33	40	6
Susquehanna	Septic	Septic Pumping			0
Susquehanna	Urban	Bioretention/raingardens			0
Susquehanna	Urban	Bioswale		3	3
Susquehanna	Urban	Dry Detention Ponds and Hydrodynamic Structures	1,960	1,818	-142
Susquehanna	Urban	Dry Extended Detention Ponds	713	683	-30

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Susquehanna	Urban	Erosion and Sediment Control	735	735	0
Susquehanna	Urban	Erosion and Sediment Control on Extractive		0	0
Susquehanna	Urban	Forest Conservation	2,599	2,579	-21
Susquehanna	Urban	Impervious Urban Surface Reduction		247	247
Susquehanna	Urban	MS4 Permit-Required Stormwater Retrofit	416	472	56
Susquehanna	Urban	Stormwater Management by Era 1985 to 2002 MD	2,940	2,801	-139
Susquehanna	Urban	Stormwater Management by Era 2002 to 2010 MD	2,871	2,614	-257
Susquehanna	Urban	Street Sweeping Mechanical Monthly			0
Susquehanna	Urban	Street Sweeping Pounds		251,564	251,564
Susquehanna	Urban	Urban Filtering Practices	45	2,141	2,097
Susquehanna	Urban	Urban Forest Buffers	1	1,359	1,358
Susquehanna	Urban	Urban Infiltration Practices - no sand/veg no underdrain	260	255	-5
Susquehanna	Urban	Urban Infiltration Practices - with sand/veg no underdrain			0
Susquehanna	Urban	Urban Nutrient Management		13,265	13,265
Susquehanna	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		312	312
Susquehanna	Urban	Urban Tree Planting; Urban Tree Canopy		3	3
Susquehanna	Urban	Vegetated Open Channel - Urban			0
Susquehanna	Urban	Wet Ponds and Wetlands	868	853	-14
Western Shore	Agriculture	Alternative Crops			0
Western Shore	Agriculture	Barnyard Runoff Control	182	34	-148
Western Shore	Agriculture	Commodity Cover Crop Early Other Rye	4		-4
Western Shore	Agriculture	Commodity Cover Crop Early Other Wheat	352		-352
Western Shore	Agriculture	Commodity Cover Crop Standard Other Wheat	2,279		-2,279
Western Shore	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat			0
Western Shore	Agriculture	Conservation Tillage	52,365	56,958	4,593
Western Shore	Agriculture	Cover Crop Early Other Rye	854		-854
Western Shore	Agriculture	Cover Crop Early Other Wheat	2,405		-2,405
Western Shore	Agriculture	Cover Crop Standard Drilled Wheat		22,001	22,001
Western Shore	Agriculture	Cover Crop Standard Other Wheat	3,256		-3,256
Western Shore	Agriculture	Cropland Irrigation Management		1,778	1,778

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Western Shore	Agriculture	Dairy Manure Injection		2,463	2,463
Western Shore	Agriculture	Decision Agriculture		43,575	43,575
Western Shore	Agriculture	Enhanced Nutrient Management		25,207	25,207
Western Shore	Agriculture	Forest Buffers	1,396	1,485	89
Western Shore	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	654	744	90
Western Shore	Agriculture	Heavy Use Poultry Area Concrete Pads		0	0
Western Shore	Agriculture	Horse Pasture Management		406	406
Western Shore	Agriculture	Irrigation Water Capture Reuse		107	107
Western Shore	Agriculture	Land Retirement to hay without nutrients (HEL)	1,669	2,530	860
Western Shore	Agriculture	Land Retirement to pasture (HEL)		2,524	2,524
Western Shore	Agriculture	Loafing Lot Management		17	17
Western Shore	Agriculture	Non Urban Stream Restoration (Linear Feet)		14,866	14,866
Western Shore	Agriculture	Nutrient Management	104,983	19,141	-85,842
Western Shore	Agriculture	Off Stream Watering Without Fencing	10,007	865	-9,142
Western Shore	Agriculture	Poultry Litter Injection		342	342
Western Shore	Agriculture	Precision Intensive Rotational Grazing		126	126
Western Shore	Agriculture	Prescribed Grazing		1,272	1,272
Western Shore	Agriculture	Shorline Erosion control (Linear Feet)			0
Western Shore	Agriculture	Soil Conservation and Water Quality Plans	56,930	93,284	36,355
Western Shore	Agriculture	Sorbing Materials in Ag Ditches			0
Western Shore	Agriculture	Stream Access Control with Fencing	68	57	-11
Western Shore	Agriculture	Streamside Forest Buffers	83	7	-76
Western Shore	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	2,428	1,352	-1,075
Western Shore	Agriculture	Water Control Structures	2	83	80
Western Shore	Agriculture	Wetland Restoration	169	325	155
Western Shore	Forest	Forest Harvesting Practices	2,472	4,159	1,687
Western Shore	Forest	Non Urban Stream Restoration (Linear Feet)		1,763	1,763
Western Shore	Septic	Septic Connection		11,167	11,167
Western Shore	Septic	Septic Denitrification	372	8,713	8,340
Western Shore	Septic	Septic Pumping		4,884	4,884

**2017 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Interim Target Strategy</b>	<b>Increment from 2009 to 2017</b>
Western Shore	Urban	Abandoned Mine Reclamation		0	0
Western Shore	Urban	Bioretention/raingardens		5,007	5,007
Western Shore	Urban	Bioswale		5,692	5,692
Western Shore	Urban	Dry Detention Ponds and Hydrodynamic Structures	20,298	23,652	3,354
Western Shore	Urban	Dry Extended Detention Ponds	9,188	8,927	-261
Western Shore	Urban	Erosion and Sediment Control	6,698	6,698	0
Western Shore	Urban	Erosion and Sediment Control on Extractive		4	4
Western Shore	Urban	Forest Conservation	18,776	19,552	776
Western Shore	Urban	Impervious Urban Surface Reduction		5,273	5,273
Western Shore	Urban	MS4 Permit-Required Stormwater Retrofit	25,342	36,009	10,667
Western Shore	Urban	Shorline Erosion control (Linear Feet)		295,000	295,000
Western Shore	Urban	Stormwater Management by Era 1985 to 2002 MD	18,207	25,945	7,738
Western Shore	Urban	Stormwater Management by Era 2002 to 2010 MD	15,736	15,474	-262
Western Shore	Urban	Street Sweeping Mechanical Monthly		3,273	3,273
Western Shore	Urban	Street Sweeping Pounds		12,028,796	12,028,796
Western Shore	Urban	Urban Filtering Practices	1,212	43,452	42,240
Western Shore	Urban	Urban Forest Buffers	121	5,994	5,873
Western Shore	Urban	Urban Infiltration Practices - no sand/veg no underdrain	6,889	12,230	5,342
Western Shore	Urban	Urban Infiltration Practices - with sandveg no underdrain			0
Western Shore	Urban	Urban Nutrient Management		158,219	158,219
Western Shore	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		845,937	845,937
Western Shore	Urban	Urban Tree Planting; Urban Tree Canopy		6,461	6,461
Western Shore	Urban	Vegetated Open Channel - Urban			0
Western Shore	Urban	Wet Ponds and Wetlands	13,815	20,945	7,130

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Eastern Shore	Agriculture	Alternative Crops		1,061	1,061
Eastern Shore	Agriculture	Barnyard Runoff Control	60	114	54
Eastern Shore	Agriculture	Commodity Cover Crop Early Other Rye	63		-63
Eastern Shore	Agriculture	Commodity Cover Crop Early Other Wheat	4,934		-4,934
Eastern Shore	Agriculture	Commodity Cover Crop Standard Other Wheat	49,095		-49,095
Eastern Shore	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat		0	0
Eastern Shore	Agriculture	Conservation Tillage	434,199	452,560	18,361
Eastern Shore	Agriculture	Cover Crop Early Other Rye	5,855		-5,855
Eastern Shore	Agriculture	Cover Crop Early Other Wheat	48,847		-48,847
Eastern Shore	Agriculture	Cover Crop Standard Drilled Wheat		321,230	321,230
Eastern Shore	Agriculture	Cover Crop Standard Other Wheat	41,231		-41,231
Eastern Shore	Agriculture	Cropland Irrigation Management		105,686	105,686
Eastern Shore	Agriculture	Dairy Manure Injection		18,263	18,263
Eastern Shore	Agriculture	Decision Agriculture		366,290	366,290
Eastern Shore	Agriculture	Enhanced Nutrient Management		26,836	26,836
Eastern Shore	Agriculture	Forest Buffers	9,848	10,916	1,068
Eastern Shore	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	39,749	41,846	2,098
Eastern Shore	Agriculture	Heavy Use Poultry Area Concrete Pads		137	137
Eastern Shore	Agriculture	Horse Pasture Management		2,259	2,259
Eastern Shore	Agriculture	Irrigation Water Capture Reuse		468	468
Eastern Shore	Agriculture	Land Retirement to hay without nutrients (HEL)	4,760	12,424	7,664
Eastern Shore	Agriculture	Land Retirement to pasture (HEL)		16,372	16,372
Eastern Shore	Agriculture	Loafing Lot Management		77	77
Eastern Shore	Agriculture	Non Urban Stream Restoration (Linear Feet)		1,111	1,111
Eastern Shore	Agriculture	Nutrient Management	626,126	234,999	-391,127
Eastern Shore	Agriculture	Off Stream Watering Without Fencing	1,342	2,500	1,158
Eastern Shore	Agriculture	Poultry Litter Injection		148,597	148,597
Eastern Shore	Agriculture	Precision Intensive Rotational Grazing		254	254
Eastern Shore	Agriculture	Prescribed Grazing		2,681	2,681
Eastern Shore	Agriculture	Shorline Erosion Control (Linear Feet)		1,000	1,000

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Eastern Shore	Agriculture	Soil Conservation and Water Quality Plans	388,034	557,905	169,871
Eastern Shore	Agriculture	Sorbing Materials in Ag Ditches		4,866	4,866
Eastern Shore	Agriculture	Stream Access Control with Fencing	35	167	131
Eastern Shore	Agriculture	Streamside Forest Buffers	652	215	-437
Eastern Shore	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	5,559	5,520	-39
Eastern Shore	Agriculture	Water Control Structures	17	16,150	16,133
Eastern Shore	Agriculture	Wetland Restoration	6,786	10,565	3,779
Eastern Shore	Forest	Forest Harvesting Practices	9,612	9,879	267
Eastern Shore	Septic	Septic Connection		2,660	2,660
Eastern Shore	Septic	Septic Denitrification	1,226	58,755	57,529
Eastern Shore	Septic	Septic Pumping		18,968	18,968
Eastern Shore	Urban	Bioretention/raingardens		2,529	2,529
Eastern Shore	Urban	Bioswale		2,468	2,468
Eastern Shore	Urban	Dry Detention Ponds and Hydrodynamic Structures	2,181	2,274	93
Eastern Shore	Urban	Dry Extended Detention Ponds	685	764	80
Eastern Shore	Urban	Erosion and Sediment Control	4,090	4,090	0
Eastern Shore	Urban	Erosion and Sediment Control on Extractive		1,627	1,627
Eastern Shore	Urban	Forest Conservation	14,437	15,140	703
Eastern Shore	Urban	Impervious Urban Surface Reduction		10,748	10,748
Eastern Shore	Urban	MS4 Permit-Required Stormwater Retrofit	1,893	1,650	-243
Eastern Shore	Urban	Shorline Erosion Control (Linear Feet)			0
Eastern Shore	Urban	Stormwater Management by Era 1985 to 2002 MD	24,612	19,483	-5,129
Eastern Shore	Urban	Stormwater Management by Era 2002 to 2010 MD	30,132	26,450	-3,681
Eastern Shore	Urban	Street Sweeping Mechanical Monthly		1,777	1,777
Eastern Shore	Urban	Street Sweeping Pounds		289,324	289,324
Eastern Shore	Urban	Urban Filtering Practices	250	83,783	83,533
Eastern Shore	Urban	Urban Forest Buffers	38	9,107	9,070
Eastern Shore	Urban	Urban Infiltration Practices - no sand/veg no underdrain	769	957	188
Eastern Shore	Urban	Urban Infiltration Practices - with sand/veg no underdrain		21	21
Eastern Shore	Urban	Urban Nutrient Management		94,356	94,356

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Eastern Shore	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		80,934	80,934
Eastern Shore	Urban	Urban Tree Planting; Urban Tree Canopy		842	842
Eastern Shore	Urban	Vegetated Open Channel - Urban		11,106	11,106
Eastern Shore	Urban	Wet Ponds and Wetlands	9,234	9,048	-186
Patuxent	Agriculture	Alternative Crops		0	0
Patuxent	Agriculture	Barnyard Runoff Control	109	109	1
Patuxent	Agriculture	Commodity Cover Crop Early Other Rye	8		-8
Patuxent	Agriculture	Commodity Cover Crop Early Other Wheat	79		-79
Patuxent	Agriculture	Commodity Cover Crop Standard Other Wheat	1,486		-1,486
Patuxent	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat		0	0
Patuxent	Agriculture	Conservation Tillage	19,457	23,990	4,534
Patuxent	Agriculture	Cover Crop Early Other Rye	379		-379
Patuxent	Agriculture	Cover Crop Early Other Wheat	705		-705
Patuxent	Agriculture	Cover Crop Standard Drilled Wheat		15,112	15,112
Patuxent	Agriculture	Cover Crop Standard Other Wheat	1,560		-1,560
Patuxent	Agriculture	Cropland Irrigation Management		1,149	1,149
Patuxent	Agriculture	Dairy Manure Injection		840	840
Patuxent	Agriculture	Decision Agriculture		12,193	12,193
Patuxent	Agriculture	Enhanced Nutrient Management		12,255	12,255
Patuxent	Agriculture	Forest Buffers	729	757	28
Patuxent	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	556	935	379
Patuxent	Agriculture	Heavy Use Poultry Area Concrete Pads		0	0
Patuxent	Agriculture	Horse Pasture Management		1,965	1,965
Patuxent	Agriculture	Irrigation Water Capture Reuse		81	81
Patuxent	Agriculture	Land Retirement to hay without nutrients (HEL)	1,297	2,336	1,039
Patuxent	Agriculture	Land Retirement to pasture (HEL)		4,893	4,893
Patuxent	Agriculture	Loafing Lot Management		14	14
Patuxent	Agriculture	Non Urban Stream Restoration (Linear Feet)		1,545	1,545
Patuxent	Agriculture	Nutrient Management	55,911	36,017	-19,894
Patuxent	Agriculture	Off Stream Watering Without Fencing	4,617	6,271	1,654

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Patuxent	Agriculture	Poultry Litter Injection		526	526
Patuxent	Agriculture	Precision Intensive Rotational Grazing		83	83
Patuxent	Agriculture	Prescribed Grazing		1,698	1,698
Patuxent	Agriculture	Shorline Erosion Control (Linear Feet)		14,371	14,371
Patuxent	Agriculture	Soil Conservation and Water Quality Plans	36,152	59,020	22,868
Patuxent	Agriculture	Sorbing Materials in Ag Ditches		0	0
Patuxent	Agriculture	Stream Access Control with Fencing	40	40	0
Patuxent	Agriculture	Streamside Forest Buffers	65	0	-65
Patuxent	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	2,739	2,004	-735
Patuxent	Agriculture	Water Control Structures	1	94	94
Patuxent	Agriculture	Wetland Restoration	90	98	8
Patuxent	Forest	Forest Harvesting Practices	1,510	2,928	1,418
Patuxent	Forest	Shorline Erosion Control (Linear Feet)		0	0
Patuxent	Septic	Septic Connection		2,123	2,123
Patuxent	Septic	Septic Denitrification	188	27,661	27,473
Patuxent	Septic	Septic Pumping		18,498	18,498
Patuxent	Urban	Abandoned Mine Reclamation		3	3
Patuxent	Urban	Bioretention/raingardens		4,790	4,790
Patuxent	Urban	Bioswale		1,729	1,729
Patuxent	Urban	Dry Detention Ponds and Hydrodynamic Structures	3,299	3,160	-139
Patuxent	Urban	Dry Extended Detention Ponds	3,896	3,361	-534
Patuxent	Urban	Erosion and Sediment Control	6,578	6,578	0
Patuxent	Urban	Erosion and Sediment Control on Extractive		513	513
Patuxent	Urban	Forest Conservation	19,737	20,327	590
Patuxent	Urban	Impervious Urban Surface Reduction	1	4,098	4,097
Patuxent	Urban	MS4 Permit-Required Stormwater Retrofit	3,699	14,631	10,933
Patuxent	Urban	Stormwater Management by Era 1985 to 2002 MD	26,228	15,175	-11,053
Patuxent	Urban	Stormwater Management by Era 2002 to 2010 MD	8,652	8,628	-24
Patuxent	Urban	Street Sweeping Mechanical Monthly		936	936
Patuxent	Urban	Street Sweeping Pounds		1,014,553	1,014,553

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Patuxent	Urban	Urban Filtering Practices	623	37,020	36,397
Patuxent	Urban	Urban Forest Buffers	77	3,790	3,713
Patuxent	Urban	Urban Infiltration Practices - no sand/veg no underdrain	2,192	7,636	5,444
Patuxent	Urban	Urban Infiltration Practices - with sand/veg no underdrain		59	59
Patuxent	Urban	Urban Nutrient Management		54,698	54,698
Patuxent	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		223,119	223,119
Patuxent	Urban	Urban Tree Planting; Urban Tree Canopy		907	907
Patuxent	Urban	Vegetated Open Channel - Urban		981	981
Patuxent	Urban	Wet Ponds and Wetlands	7,357	12,175	4,818
Potomac	Agriculture	Alternative Crops		33	33
Potomac	Agriculture	Barnyard Runoff Control	368	370	2
Potomac	Agriculture	Commodity Cover Crop Early Other Rye	41		-41
Potomac	Agriculture	Commodity Cover Crop Early Other Wheat	1,670		-1,670
Potomac	Agriculture	Commodity Cover Crop Standard Other Wheat	9,659		-9,659
Potomac	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat		0	0
Potomac	Agriculture	Conservation Tillage	131,690	170,052	38,362
Potomac	Agriculture	Cover Crop Early Other Rye	2,508		-2,508
Potomac	Agriculture	Cover Crop Early Other Wheat	8,506		-8,506
Potomac	Agriculture	Cover Crop Standard Drilled Wheat		109,184	109,184
Potomac	Agriculture	Cover Crop Standard Other Wheat	12,702		-12,702
Potomac	Agriculture	Cropland Irrigation Management		4,187	4,187
Potomac	Agriculture	Dairy Manure Injection		10,365	10,365
Potomac	Agriculture	Decision Agriculture		124,239	124,239
Potomac	Agriculture	Enhanced Nutrient Management		108,458	108,458
Potomac	Agriculture	Forest Buffers	6,406	7,122	716
Potomac	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	3,682	4,780	1,099
Potomac	Agriculture	Heavy Use Poultry Area Concrete Pads		2	2
Potomac	Agriculture	Horse Pasture Management		478	478
Potomac	Agriculture	Irrigation Water Capture Reuse		232	232
Potomac	Agriculture	Land Retirement to hay without nutrients (HEL)	9,388	12,389	3,001

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Potomac	Agriculture	Land Retirement to pasture (HEL)		7,579	7,579
Potomac	Agriculture	Loafing Lot Management		135	135
Potomac	Agriculture	Non Urban Stream Restoration (Linear Feet)		6,283	6,283
Potomac	Agriculture	Nutrient Management	359,124	196,733	-162,391
Potomac	Agriculture	Off Stream Watering Without Fencing	8,869	17,255	8,386
Potomac	Agriculture	Poultry Litter Injection		1,929	1,929
Potomac	Agriculture	Precision Intensive Rotational Grazing		2,124	2,124
Potomac	Agriculture	Prescribed Grazing		11,906	11,906
Potomac	Agriculture	Shorline Erosion Control (Linear Feet)		2,472	2,472
Potomac	Agriculture	Soil Conservation and Water Quality Plans	211,698	359,159	147,461
Potomac	Agriculture	Sorbing Materials in Ag Ditches		0	0
Potomac	Agriculture	Stream Access Control with Fencing	263	446	183
Potomac	Agriculture	Streamside Forest Buffers	388	0	-388
Potomac	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	4,950	4,956	6
Potomac	Agriculture	Water Control Structures	2	33	31
Potomac	Agriculture	Wetland Restoration	431	476	46
Potomac	Forest	Forest Harvesting Practices	9,485	11,267	1,782
Potomac	Forest	Non Urban Stream Restoration (Linear Feet)			0
Potomac	Forest	Shorline Erosion Control (Linear Feet)		0	0
Potomac	Septic	Septic Connection		4,202	4,202
Potomac	Septic	Septic Denitrification	312	59,089	58,777
Potomac	Septic	Septic Pumping		8,151	8,151
Potomac	Urban	Abandoned Mine Reclamation		1,646	1,646
Potomac	Urban	Bioretention/raingardens		4,353	4,353
Potomac	Urban	Bioswale		579	579
Potomac	Urban	Dry Detention Ponds and Hydrodynamic Structures	19,432	18,357	-1,076
Potomac	Urban	Dry Extended Detention Ponds	11,098	9,953	-1,145
Potomac	Urban	Erosion and Sediment Control	17,144	17,177	34
Potomac	Urban	Erosion and Sediment Control on Extractive		4,857	4,857
Potomac	Urban	Forest Conservation	34,025	35,508	1,483

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Potomac	Urban	Impervious Urban Surface Reduction	2	10,220	10,218
Potomac	Urban	MS4 Permit-Required Stormwater Retrofit	13,203	13,891	688
Potomac	Urban	Stormwater Management by Era 1985 to 2002 MD	59,666	58,719	-947
Potomac	Urban	Stormwater Management by Era 2002 to 2010 MD	21,808	21,401	-407
Potomac	Urban	Street Sweeping Mechanical Monthly		8,328	8,328
Potomac	Urban	Street Sweeping Pounds		3,294,072	3,294,072
Potomac	Urban	Urban Filtering Practices	1,197	105,840	104,644
Potomac	Urban	Urban Forest Buffers	112	10,171	10,059
Potomac	Urban	Urban Infiltration Practices - no sand/veg no underdrain	4,162	12,969	8,807
Potomac	Urban	Urban Infiltration Practices - with sand/veg no underdrain		190	190
Potomac	Urban	Urban Nutrient Management		109,712	109,712
Potomac	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		173,349	173,349
Potomac	Urban	Urban Tree Planting; Urban Tree Canopy		2,922	2,922
Potomac	Urban	Vegetated Open Channel - Urban		3,128	3,128
Potomac	Urban	Wet Ponds and Wetlands	20,830	21,590	761
Susquehanna	Agriculture	Alternative Crops		0	0
Susquehanna	Agriculture	Barnyard Runoff Control	96	96	0
Susquehanna	Agriculture	Commodity Cover Crop Early Other Rye	0		0
Susquehanna	Agriculture	Commodity Cover Crop Early Other Wheat	277		-277
Susquehanna	Agriculture	Commodity Cover Crop Standard Other Wheat	1,633		-1,633
Susquehanna	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat		0	0
Susquehanna	Agriculture	Conservation Tillage	18,477	23,734	5,257
Susquehanna	Agriculture	Cover Crop Early Other Rye	528		-528
Susquehanna	Agriculture	Cover Crop Early Other Wheat	1,800		-1,800
Susquehanna	Agriculture	Cover Crop Standard Drilled Wheat		13,531	13,531
Susquehanna	Agriculture	Cover Crop Standard Other Wheat	2,056		-2,056
Susquehanna	Agriculture	Cropland Irrigation Management		453	453
Susquehanna	Agriculture	Dairy Manure Injection		2,717	2,717
Susquehanna	Agriculture	Decision Agriculture		17,318	17,318
Susquehanna	Agriculture	Enhanced Nutrient Management		7,118	7,118

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Susquehanna	Agriculture	Forest Buffers	619	652	33
Susquehanna	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	467	472	5
Susquehanna	Agriculture	Heavy Use Poultry Area Concrete Pads		0	0
Susquehanna	Agriculture	Horse Pasture Management		72	72
Susquehanna	Agriculture	Irrigation Water Capture Reuse		41	41
Susquehanna	Agriculture	Land Retirement to hay without nutrients (HEL)	553	1,002	449
Susquehanna	Agriculture	Land Retirement to pasture (HEL)		3,858	3,858
Susquehanna	Agriculture	Loafing Lot Management		6	6
Susquehanna	Agriculture	Non Urban Stream Restoration (Linear Feet)		1,578	1,578
Susquehanna	Agriculture	Nutrient Management	47,328	21,096	-26,233
Susquehanna	Agriculture	Off Stream Watering Without Fencing	4,974	6,662	1,688
Susquehanna	Agriculture	Poultry Litter Injection		368	368
Susquehanna	Agriculture	Precision Intensive Rotational Grazing		136	136
Susquehanna	Agriculture	Prescribed Grazing		996	996
Susquehanna	Agriculture	Soil Conservation and Water Quality Plans	28,552	43,144	14,592
Susquehanna	Agriculture	Sorbing Materials in Ag Ditches		58	58
Susquehanna	Agriculture	Stream Access Control with Fencing	22	39	16
Susquehanna	Agriculture	Streamside Forest Buffers	31		-31
Susquehanna	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	647	646	0
Susquehanna	Agriculture	Water Control Structures	2	62	60
Susquehanna	Agriculture	Wetland Restoration	149	148	-1
Susquehanna	Forest	Forest Harvesting Practices	826	901	74
Susquehanna	Forest	Non Urban Stream Restoration (Linear Feet)			0
Susquehanna	Septic	Septic Connection		157	157
Susquehanna	Septic	Septic Denitrification	33	13,080	13,047
Susquehanna	Septic	Septic Pumping		67	67
Susquehanna	Urban	Bioretention/raingardens		3	3
Susquehanna	Urban	Bioswale		50	50
Susquehanna	Urban	Dry Detention Ponds and Hydrodynamic Structures	1,960	1,824	-137
Susquehanna	Urban	Dry Extended Detention Ponds	713	683	-30

<b>2025 BMP Strategies by Major Basin</b> (units in acres, unless otherwise noted)					
<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Susquehanna	Urban	Erosion and Sediment Control	735	735	0
Susquehanna	Urban	Erosion and Sediment Control on Extractive		128	128
Susquehanna	Urban	Forest Conservation	2,599	2,672	72
Susquehanna	Urban	Impervious Urban Surface Reduction		987	987
Susquehanna	Urban	MS4 Permit-Required Stormwater Retrofit	416	531	115
Susquehanna	Urban	Stormwater Management by Era 1985 to 2002 MD	2,940	2,798	-142
Susquehanna	Urban	Stormwater Management by Era 2002 to 2010 MD	2,871	2,604	-266
Susquehanna	Urban	Street Sweeping Mechanical Monthly		217	217
Susquehanna	Urban	Street Sweeping Pounds		487,931	487,931
Susquehanna	Urban	Urban Filtering Practices	45	14,217	14,172
Susquehanna	Urban	Urban Forest Buffers	1	1,438	1,437
Susquehanna	Urban	Urban Infiltration Practices - no sand/veg no underdrain	260	332	72
Susquehanna	Urban	Urban Infiltration Practices - with sandveg no underdrain		16	16
Susquehanna	Urban	Urban Nutrient Management		13,703	13,703
Susquehanna	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		3,377	3,377
Susquehanna	Urban	Urban Tree Planting; Urban Tree Canopy		243	243
Susquehanna	Urban	Vegetated Open Channel - Urban		258	258
Susquehanna	Urban	Wet Ponds and Wetlands	868	891	24
Western Shore	Agriculture	Alternative Crops		0	0
Western Shore	Agriculture	Barnyard Runoff Control	182	182	0
Western Shore	Agriculture	Commodity Cover Crop Early Other Rye	4		-4
Western Shore	Agriculture	Commodity Cover Crop Early Other Wheat	352		-352
Western Shore	Agriculture	Commodity Cover Crop Standard Other Wheat	2,279		-2,279
Western Shore	Agriculture	Commodity Cover Crop Standard-Planting Drilled Wheat		0	0
Western Shore	Agriculture	Conservation Tillage	52,365	59,436	7,072
Western Shore	Agriculture	Cover Crop Early Other Rye	854		-854
Western Shore	Agriculture	Cover Crop Early Other Wheat	2,405		-2,405
Western Shore	Agriculture	Cover Crop Standard Drilled Wheat		36,482	36,482
Western Shore	Agriculture	Cover Crop Standard Other Wheat	3,256		-3,256
Western Shore	Agriculture	Cropland Irrigation Management		1,719	1,719

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Western Shore	Agriculture	Dairy Manure Injection		4,092	4,092
Western Shore	Agriculture	Decision Agriculture		48,195	48,195
Western Shore	Agriculture	Enhanced Nutrient Management		23,475	23,475
Western Shore	Agriculture	Forest Buffers	1,396	1,561	165
Western Shore	Agriculture	Grass Buffers; Vegetated Open Channel - Agriculture	654	1,221	567
Western Shore	Agriculture	Heavy Use Poultry Area Concrete Pads		0	0
Western Shore	Agriculture	Horse Pasture Management		753	753
Western Shore	Agriculture	Irrigation Water Capture Reuse		128	128
Western Shore	Agriculture	Land Retirement to hay without nutrients (HEL)	1,669	4,218	2,548
Western Shore	Agriculture	Land Retirement to pasture (HEL)		4,237	4,237
Western Shore	Agriculture	Loafing Lot Management		24	24
Western Shore	Agriculture	Non Urban Stream Restoration (Linear Feet)		3,193	3,193
Western Shore	Agriculture	Nutrient Management	104,983	52,304	-52,679
Western Shore	Agriculture	Off Stream Watering Without Fencing	10,007	11,490	1,484
Western Shore	Agriculture	Poultry Litter Injection		564	564
Western Shore	Agriculture	Precision Intensive Rotational Grazing		213	213
Western Shore	Agriculture	Prescribed Grazing		2,469	2,469
Western Shore	Agriculture	Shorline Erosion Control (Linear Feet)		1,696	1,696
Western Shore	Agriculture	Soil Conservation and Water Quality Plans	56,930	112,057	55,127
Western Shore	Agriculture	Sorbing Materials in Ag Ditches		0	0
Western Shore	Agriculture	Stream Access Control with Fencing	68	112	44
Western Shore	Agriculture	Streamside Forest Buffers	83	0	-83
Western Shore	Agriculture	Tree Planting; Vegetative Environmental Buffers - Poultry	2,428	2,268	-160
Western Shore	Agriculture	Water Control Structures	2	137	134
Western Shore	Agriculture	Wetland Restoration	169	179	10
Western Shore	Forest	Forest Harvesting Practices	2,472	4,159	1,687
Western Shore	Forest	Non Urban Stream Restoration (Linear Feet)			0
Western Shore	Septic	Septic Connection		28,351	28,351
Western Shore	Septic	Septic Denitrification	372	38,395	38,023
Western Shore	Septic	Septic Pumping		13,307	13,307

**2025 BMP Strategies by Major Basin**  
(units in acres, unless otherwise noted)

<b>Major Basin Name</b>	<b>Sector</b>	<b>Best Management Practice</b>	<b>2009 Progress</b>	<b>Final Target Strategy</b>	<b>Increment from 2009 to 2025</b>
Western Shore	Urban	Abandoned Mine Reclamation		0	0
Western Shore	Urban	Bioretention/raingardens		8,326	8,326
Western Shore	Urban	Bioswale		5,856	5,856
Western Shore	Urban	Dry Detention Ponds and Hydrodynamic Structures	20,298	19,243	-1,055
Western Shore	Urban	Dry Extended Detention Ponds	9,188	8,793	-395
Western Shore	Urban	Erosion and Sediment Control	6,698	6,698	0
Western Shore	Urban	Erosion and Sediment Control on Extractive		661	661
Western Shore	Urban	Forest Conservation	18,776	23,988	5,212
Western Shore	Urban	Impervious Urban Surface Reduction		15,332	15,332
Western Shore	Urban	MS4 Permit-Required Stormwater Retrofit	25,342	41,345	16,003
Western Shore	Urban	Shorline Erosion Control (Linear Feet)			0
Western Shore	Urban	Stormwater Management by Era 1985 to 2002 MD	18,207	15,567	-2,640
Western Shore	Urban	Stormwater Management by Era 2002 to 2010 MD	15,736	15,217	-519
Western Shore	Urban	Street Sweeping Mechanical Monthly		8,614	8,614
Western Shore	Urban	Street Sweeping Pounds		14,268,568	14,268,568
Western Shore	Urban	Urban Filtering Practices	1,212	131,283	130,071
Western Shore	Urban	Urban Forest Buffers	121	8,482	8,361
Western Shore	Urban	Urban Infiltration Practices - no sand/veg no underdrain	6,889	18,093	11,204
Western Shore	Urban	Urban Infiltration Practices - with sandveg no underdrain		122	122
Western Shore	Urban	Urban Nutrient Management		155,815	155,815
Western Shore	Urban	Urban Stream Restoration Or Regenerative Stormwater Conveyance (Linear Feet)		2,067,527	2,067,527
Western Shore	Urban	Urban Tree Planting; Urban Tree Canopy		11,253	11,253
Western Shore	Urban	Vegetated Open Channel - Urban		2,019	2,019
Western Shore	Urban	Wet Ponds and Wetlands	13,815	19,266	5,451