Percent Opportunity Used Comparing 2021 Progress to 2010 E3 (Everything, Everywhere by Everyone) Scenario

CAST Reports for BMP Submitted vs. Credited Report for 2021 Progress and 2010 E3 Scenario were retrieved for the identified LRS. 2021 Progress was divided by 2010 E3 Scenario to get a percent of BMP opportunity currently used. A lower percent means that more opportunity is available for implementation in the watershed.

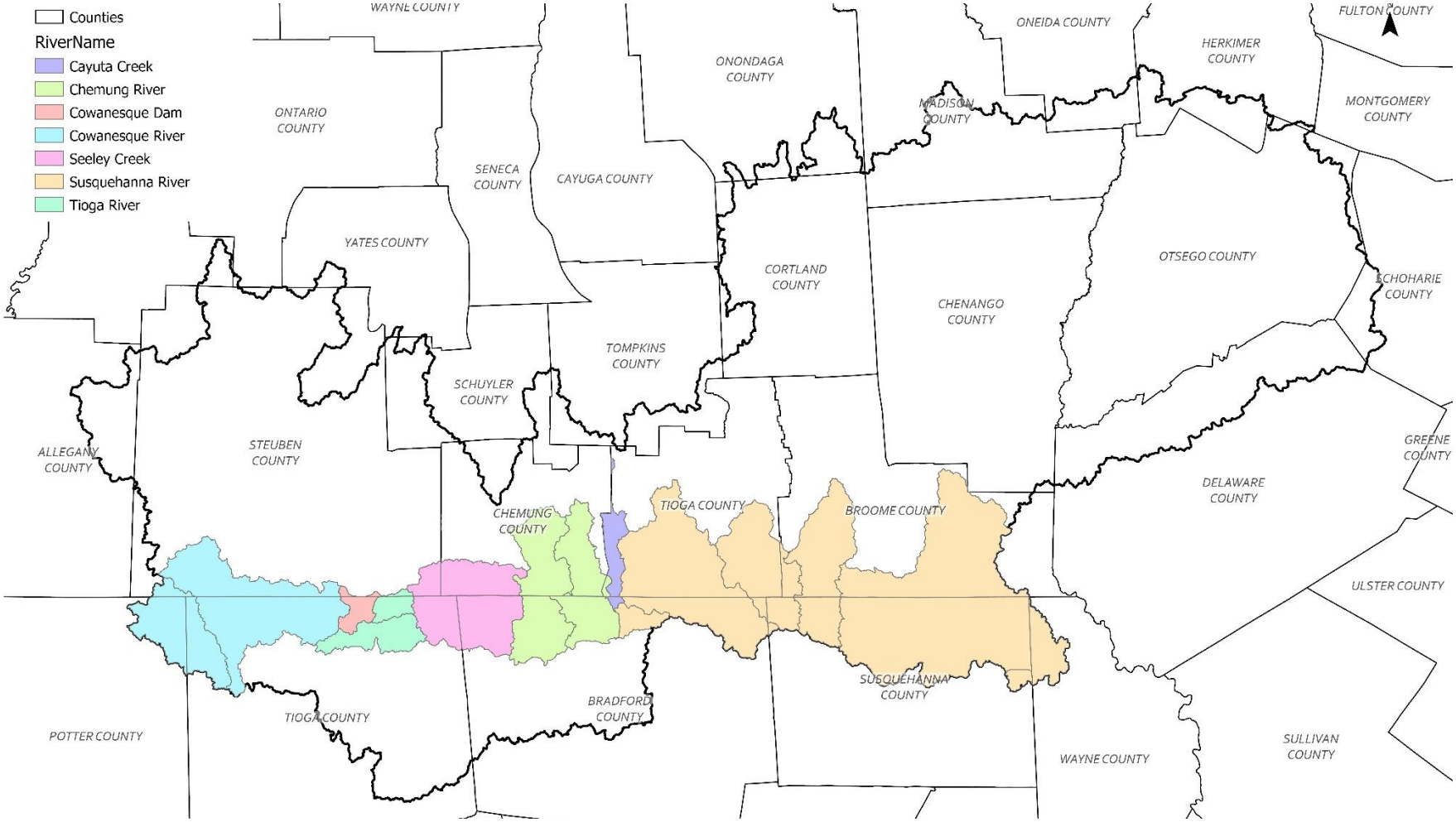

Figure 1 Shared River Segments between PA and NY

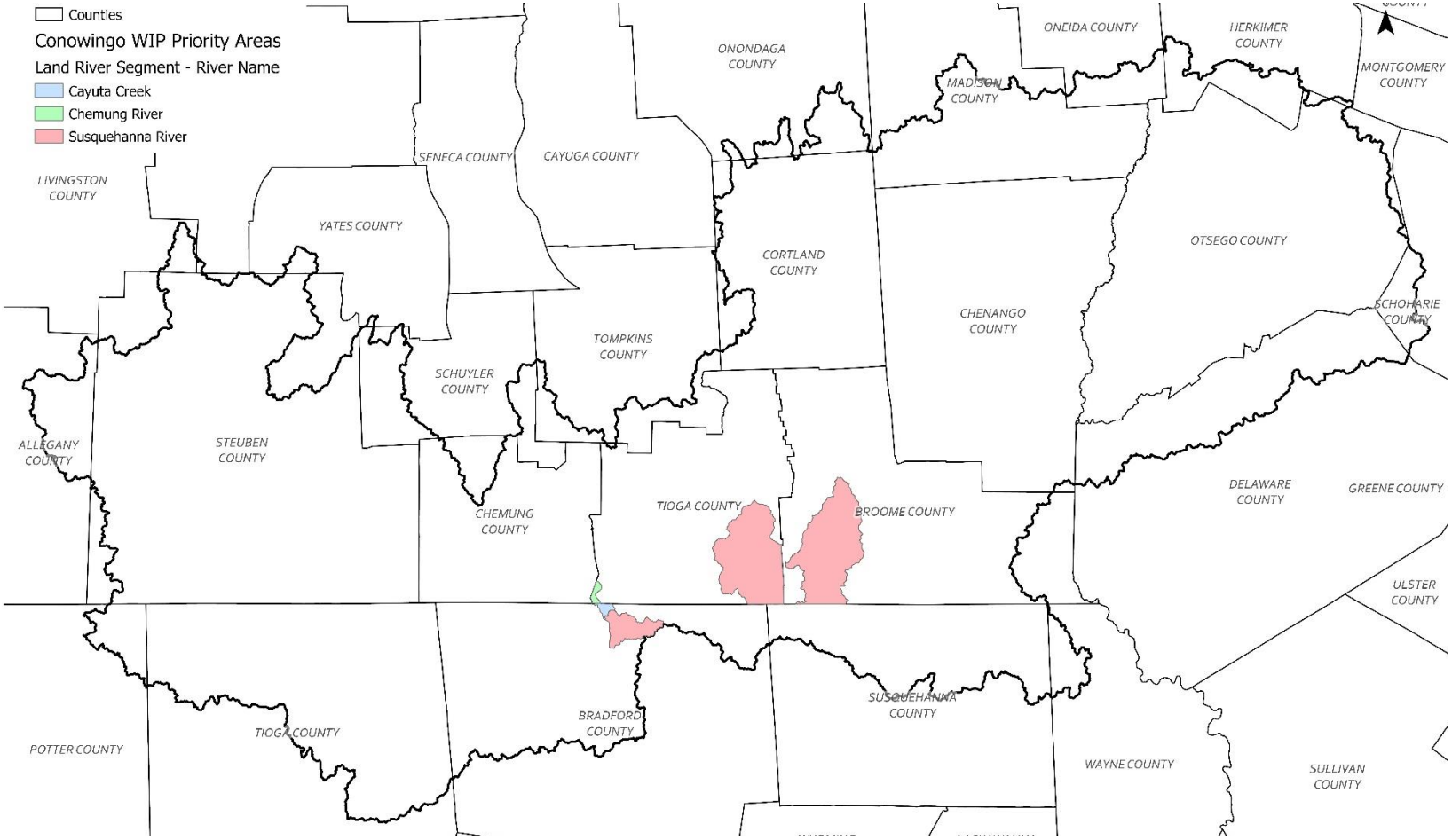

Figure 2 Shared River Segments Identified as Priority Areas in Conowingo WIP

Table 1 Percent of Opportunity Available by LRS, Priority Areas Identified by Conowingo WIP in Green (E3 scenario assumes all buffers are forest and not grass)

State	River Name	County	Land River Segment	Barnyard Runoff Control	Forest Buffer	Manure Incorpo-ration	NM Core N	NM N Place-ment	NM N Rate	NM N Timing	Precision Intensive Rotational/ Prescribed Grazing	Soil Conservation and Water Quality Plans	Tillage Mgmt Conser-vation	Tillage Mgmt Continuous High Residue	Tillage Mgmt Low Residue	Wetland Restoration
NY	Susquehanna River	Broome	N36007SU6_0480_0520	94%	7%	18123%	34%	27%	27%	27%	26%	25%	0%	0%	464%	9%
NY	Susquehanna River	Broome	N36007SU6_0500_0550	92%	6%	17754%	32%	25%	25%	25%	27%	24%	0%	0%	455%	9%
NY	Susquehanna River	Broome	N36007SU7_0550_0540	93%	6%	17955%	30%	23%	23%	23%	27%	24%	0%	0%	460%	8%
NY	Seeley Creek	Chemung	N36015SU2_0680_0610	7%	3%	0%	7%	7%	7%	7%	53%	18%	0%	0%	0%	1%
NY	Chemung River	Chemung	N36015SU5_0600_0750	7%	3%	0%	7%	7%	7%	7%	53%	18%	0%	0%	0%	1%
NY	Chemung River	Chemung	N36015SU5_0610_0600	7%	3%	0%	7%	7%	7%	7%	52%	19%	0%	0%	0%	1%
NY	Cowanesque River	Steuben	N36101SU1_0820_0740	11%	0%	673%	17%	17%	17%	17%	12%	9%	0%	4%	22%	1%
NY	Seeley Creek	Steuben	N36101SU2_0680_0610	11%	0%	678%	13%	13%	13%	13%	13%	9%	0%	4%	23%	1%
NY	Cowanesque River	Steuben	N36101SU2_0740_0741	11%	0%	673%	13%	13%	13%	13%	13%	9%	0%	4%	22%	1%
NY	Cowanesque Dam	Steuben	N36101SU2_0741_0690	11%	0%	676%	16%	16%	16%	16%	12%	9%	0%	4%	22%	1%
NY	Tioga River	Steuben	N36101SU3_0770_0690	11%	0%	677%	14%	14%	14%	14%	12%	9%	0%	4%	23%	1%
NY	Cayuta Creek	Tioga	N36107SU2_0450_0720	33%	1%	5693%	26%	25%	24%	25%	41%	29%	23%	14%	65%	1%
NY	Chemung River	Tioga	N36107SU5_0600_0750	33%	1%	6050%	27%	26%	25%	25%	45%	30%	25%	15%	70%	1%
NY	Susquehanna River	Tioga	N36107SU7_0540_0720	33%	1%	5747%	27%	26%	25%	25%	41%	29%	24%	14%	66%	1%
NY	Susquehanna River	Tioga	N36107SU7_0550_0540	33%	1%	5697%	26%	25%	24%	24%	42%	29%	23%	14%	66%	1%
PA	Susquehanna River	Susquehanna	H42115SU6_0480_0520	43%	0%	0%	19%	0%	0%	0%	2%	2%	316%	6%	911%	0%
PA	Cayuta Creek	Bradford	N42015SU2_0450_0720	157%	0%	0%	8%	0%	0%	0%	8%	5%	113%	81%	4844%	0%
PA	Seeley Creek	Bradford	N42015SU2_0680_0610	158%	0%	0%	3%	0%	0%	0%	11%	5%	103%	74%	4430%	0%
PA	Chemung River	Bradford	N42015SU5_0600_0750	156%	0%	0%	5%	0%	0%	0%	10%	10%	105%	75%	4510%	0%
PA	Chemung River	Bradford	N42015SU5_0610_0600	158%	0%	0%	3%	0%	0%	0%	11%	5%	103%	74%	4436%	0%

PA	Susquehanna River	Bradford	N42015SU7_0540_0720	158%	0%	0%	4%	0%	0%	0%	10%	5%	104%	75%	4471%	0%
PA	Susquehanna River	Bradford	N42015SU7_0550_0540	158%	0%	0%	5%	0%	0%	0%	11%	5%	109%	78%	4686%	0%
PA	Susquehanna River	Bradford	N42015SU7_0720_0750	157%	0%	0%	6%	0%	0%	0%	9%	5%	106%	76%	4561%	0%
PA	Cowanesque River	Potter	N42105SU1_0820_0740	47%	0%	0%	3%	0%	0%	0%	3%	0%	51%	7%	249%	0%
PA	Susquehanna River	Susquehanna	N42115SU6_0480_0520	43%	0%	0%	14%	0%	0%	0%	3%	2%	312%	6%	899%	0%
PA	Susquehanna River	Susquehanna	N42115SU6_0500_0550	43%	0%	0%	11%	0%	0%	0%	3%	2%	311%	6%	897%	0%
PA	Susquehanna River	Susquehanna	N42115SU7_0540_0720	43%	0%	0%	15%	0%	0%	0%	3%	2%	317%	6%	914%	0%
PA	Susquehanna River	Susquehanna	N42115SU7_0550_0540	43%	0%	0%	14%	0%	0%	0%	3%	2%	312%	6%	901%	0%
PA	Cowanesque River	Tioga	N42117SU1_0820_0740	220%	0%	0%	4%	0%	0%	0%	3%	2%	321%	45%	4679%	0%
PA	Seeley Creek	Tioga	N42117SU2_0680_0610	220%	0%	0%	5%	0%	0%	0%	3%	2%	322%	45%	4688%	0%
PA	Cowanesque River	Tioga	N42117SU2_0740_0741	219%	0%	0%	6%	0%	0%	0%	3%	2%	322%	45%	4691%	0%
PA	Cowanesque Dam	Tioga	N42117SU2_0741_0690	220%	0%	0%	6%	0%	0%	0%	3%	2%	324%	46%	4715%	0%
PA	Tioga River	Tioga	N42117SU3_0770_0690	220%	0%	0%	10%	0%	0%	0%	2%	2%	326%	46%	4757%	0%
PA	Tioga River	Tioga	N42117SU3_0790_0770	220%	0%	0%	6%	0%	0%	0%	3%	2%	323%	45%	4703%	0%
PA	Susquehanna River	Wayne	N42127SU6_0480_0520	36%	0%	0%	0%	0%	0%	0%	2%	97%	1849%	11%	287%	0%
Total				**92%**	**0%**	2107%	**13%**	**9%**	**9%**	**9%**	**19%**	**13%**	**70%**	**27%**	**934%**	**3%**

BMPs with high opportunity:

- Forest Buffer/Grass Buffer
- Nutrient Management Core, Rate, Placement, Timing
- Soil and Water Conservation
- Wetland Restoration

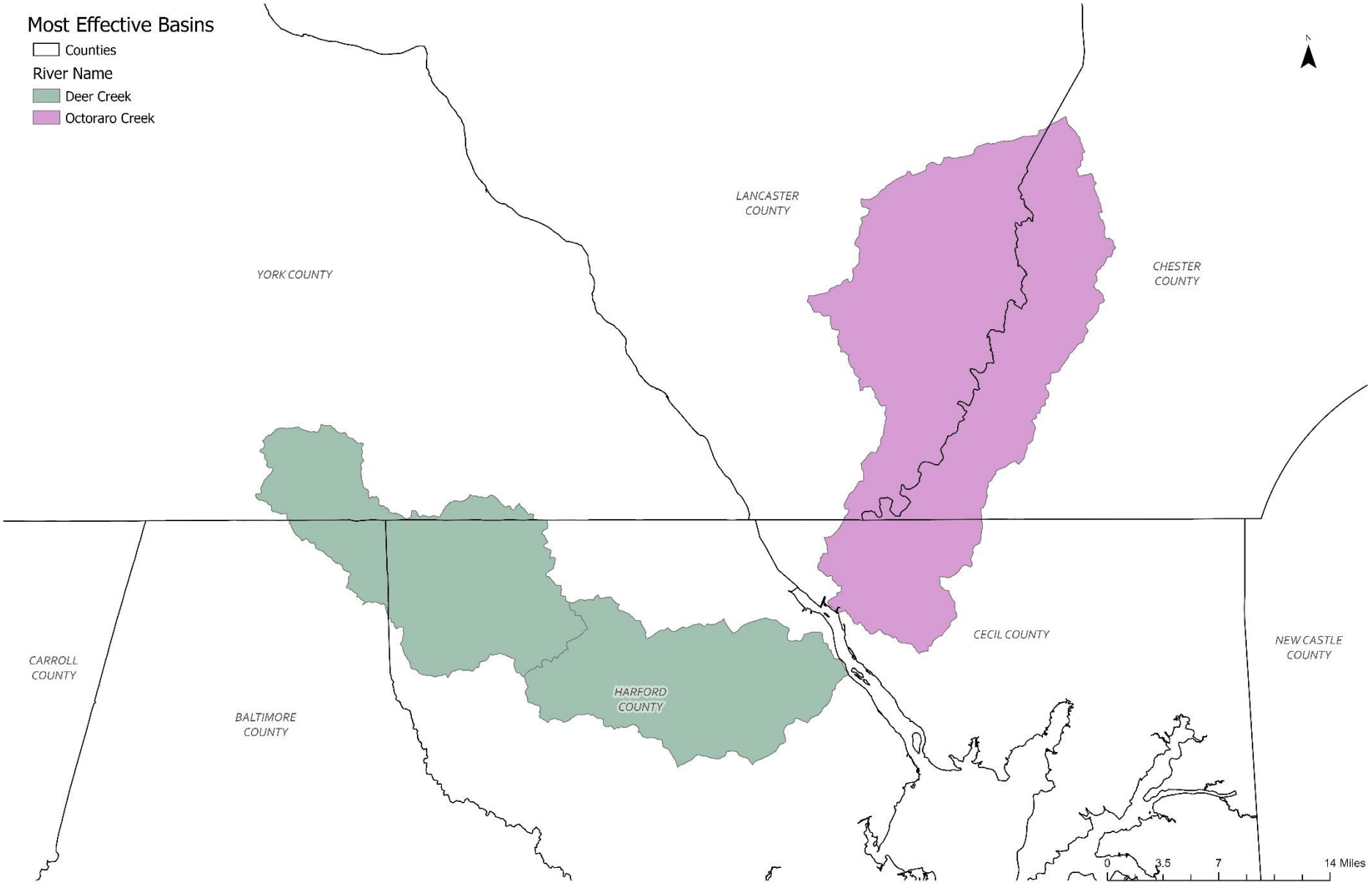
Most Effective Basins
Counties
River Name
Deer Creek
Octoraro Creek
LANCASTER COUNTY
YORK COUNTY
CHESTER COUNTY
CECIL COUNTY
NEW CASTLE COUNTY
CARROLL COUNTY
HARFORD COUNTY
BALTIMORE COUNTY
0
3.5
7
14 Miles

Table 2 Percent of Opportunity Available by LRS in Priority Watersheds (E3 scenario assumes all buffers are forest and not grass)

State	River Name	County	Land River Segment	Barnyard Runoff Control	Forest Buffer	Manure Incorpo-ration	NM Core N	NM N Place-ment	NM N Rate	NM N Timing	Precision Intensive Rotational/ Prescribed Grazing	Soil Conservation and Water Quality Plans	Tillage Mgmt Conser-vation	Tillage Mgmt Continuo us High Residue	Tillage Mgmt Low Residue	Wetland Resto-ration
MD	Deer Creek	Baltimore	N24005SL2 _2910_3060	75%	0%	110%	64%	2%	20%	3%	3%	43%	77%	100%	0%	1%
MD	Octoraro Creek	Cecil	N24015SL2 _2480_0001	182%	0%	635%	97%	5%	37%	4%	1%	66%	60%	86%	0%	2%
MD	Deer Creek	Harford	N24025SL2 _2910_3060	170%	0%	827%	104%	5%	46%	8%	1%	67%	92%	112%	0%	1%
MD	Deer Creek	Harford	N24025SL2 _3060_0001	167%	0%	863%	107%	5%	45%	8%	1%	66%	96%	117%	0%	1%
PA	Octoraro Creek	Chester	N42029SL2 _2480_0001	72%	0%	0%	34%	0%	0%	0%	4%	21%	46%	6%	1019%	0%
PA	Octoraro Creek	Lancaster	N42071SL2 _2480_0001	132%	2%	0%	33%	0%	0%	0%	15%	37%	142%	55%	737%	0%
PA	Deer Creek	York	N42133SL2 _2910_3060	104%	1%	0%	53%	0%	0%	1%	4%	18%	223%	36%	3403%	1%
Total				**127%**	**1%**	**369%**	**57%**	**2%**	**14%**	**2%**	**7%**	**42%**	**109%**	**61%**	**809%**	**0%**

BMPs with high opportunity:

- Forest Buffer/Grass Buffer
- Nutrient Management Core, Rate, Placement, Timing (PA)
- Prescribed Grazing
- Soil and Water Conservation
- Wetland Restoration