

**OPEQUON CREEK WATERSHED**

**Edge of Stream Load Reductions - Chesapeake Bay Watershed Model (Phase 4.3)**

Best Management Practice	Land Use	Units	Nitrogen	Phosphorus	Sediment
Agricultural Land Retirement	Conventional-Tillage	(lbs load red/acre imp)	15.69	0.54	1.21
Agricultural Land Retirement	Conservation-Tillage	(lbs load red/acre imp)	11.45	0.12	0.13
Animal Waste Management	Manure Acres	(lbs load red/acre imp)	1,537.72	218.16	0.00
Conservation Plans	Conventional-Tillage	(lbs load red/acre imp)	2.03	0.17	0.36
Conservation Plans	Pasture	(lbs load red/acre imp)	0.44	0.06	0.04
Conservation Plans	Conservation-Tillage	(lbs load red/acre imp)	0.62	0.04	0.03
Conservation Plans	Hay	(lbs load red/acre imp)	0.19	0.02	0.02
Conservation-Tillage	Conventional-Tillage	(lbs load red/acre imp)	4.00	0.46	1.08
Cover Crops	Conventional-Tillage	(lbs load red/acre imp)	10.58	0.22	0.29
Cover Crops	Conservation-Tillage	(lbs load red/acre imp)	8.94	0.02	0.00
Dry Extended Detention Ponds	Pervious Urban	(lbs load red/acre treated)	3.21	0.13	0.18
Dry Extended Detention Ponds	Impervious Urban	(lbs load red/acre treated)	2.20	0.12	0.00
Filtering Practices	Pervious Urban	(lbs load red/acre treated)	4.47	0.35	0.25
Filtering Practices	Impervious Urban	(lbs load red/acre treated)	3.31	0.28	0.00
Forest Buffers	Conventional-Tillage	(lbs load red/acre imp)	47.41	1.90	2.31
Forest Buffers	Conservation-Tillage	(lbs load red/acre imp)	43.57	1.30	0.60
Forest Buffers	Pasture	(lbs load red/acre imp)	12.71	0.48	0.41
Forest Buffers	Hay	(lbs load red/acre imp)	12.13	0.65	0.40
Forest Buffers	Mixed Open	(lbs load red/acre imp)	13.72	0.78	0.25
Forest Buffers	Pervious Urban	(lbs load red/acre imp)	8.34	0.50	0.22
Grass Buffers	Conventional-Tillage	(lbs load red/acre imp)	26.26	1.07	1.64
Grass Buffers	Conservation-Tillage	(lbs load red/acre imp)	23.19	0.63	0.37
Grass Buffers	Pasture	(lbs load red/acre imp)	2.55	0.00	0.22
Infiltration Practices	Pervious Urban	(lbs load red/acre treated)	5.56	0.41	0.27
Infiltration Practices	Impervious Urban	(lbs load red/acre treated)	4.09	0.33	0.00
Nutrient Management	Pervious Urban	(lbs load red/acre imp)	1.89	0.13	0.00
Nutrient Management	Mixed Open	(lbs load red/acre imp)	1.15	0.09	0.00
Nutrient Management	Conservation-Tillage	(lbs load red/acre imp)	12.39	0.00	0.00
Nutrient Management	Conventional-Tillage	(lbs load red/acre imp)	11.57	0.00	0.00
Off-Stream Watering With Fencing	Pasture	(lbs load red/acre imp)	4.88	0.36	0.19
Septic Denitrification With Pumping	Septic	(lbs load red/system imp)	8.79	0.00	0.00
Septic Tank Pumping	Septic	(lbs load red/system imp)	4.40	0.00	0.00
Tree Planting	Conventional-Tillage	(lbs load red/acre imp)	20.41	1.09	1.39
Tree Planting	Conservation-Tillage	(lbs load red/acre imp)	16.31	0.70	0.31
Tree Planting	Pasture	(lbs load red/acre imp)	1.83	0.02	0.21
Tree Planting	Hay	(lbs load red/acre imp)	4.00	0.36	0.21
Tree Planting	Mixed Open	(lbs load red/acre imp)	5.25	0.48	0.13
Tree Planting	Pervious Urban	(lbs load red/acre imp)	5.64	0.28	0.12
Urban Stream Restoration	Pervious Urban	(lbs load red/mile imp)	105.59	18.48	6.73
Urban Stream Restoration	Impervious Urban	(lbs load red/mile imp)	105.59	18.48	0.00
Wet Ponds and Wetlands	Pervious Urban	(lbs load red/acre treated)	3.38	0.29	0.24
Wet Ponds and Wetlands	Impervious Urban	(lbs load red/acre treated)	2.54	0.23	0.00

KEY
Highest
High
Moderate