

Prioritized Stormwater Retrofit Projects with
 Cost/Benefit Analysis
 December 16, 2015

PROJECT NAME	Watershed	Study Date	Study I.D.	Retrofit Type	Practice Type	Implementation Phase	Drainage Area (Ac)	Percent Impervious	Impervious Area (Ac)	BMP Treatment Area (Ac)	Impervious - Phosphorous Load		
											Impervious Acres	Loading Rate	Load
SWM Facility #147	Powells Creek	2008	725-7	Conversion	CW	Design	45.23	34%	15.28	45.23	15.28	1.62	24.75
SWM Facility #28	Occoquan River	2014	28	Conversion	ED	Design	74.96	35%	26.18	74.96	26.18	1.62	42.41
SWM Facility #98	Neabsco Creek	2010	80	Conversion	ED	Construction	7.93	34%	2.70	7.93	2.7	1.62	4.37
SWM Facility #99	Bull Run	2010	166-6	Conversion	CW	Construction	8.88	58%	5.14	8.88	5.14	1.62	8.33
SWM Facility #424	Quantico Creek	2015	191	Conversion	CW	Design	91.43	45%	41.52	91.43	41.52	1.62	67.26
SWM Facility #377	Quantico Creek	2014	192	Conversion	ED	Design	12.27	47%	5.80	12.27	5.8	1.62	9.40
SWM Facility #416	Bull Run	2010	194-1	Conversion	CW	Further Study	115.70	30%	34.71	115.70	34.71	1.62	56.23
SWM Facility #489	Occoquan River	2014	489	Conversion	ED	Design	72.11	31%	22.68	72.11	22.68	1.62	36.74
Ellis Baron Park	Bull Run	2014	2	New	DS	Further Study	7.70	56%	4.31	7.70	4.31	1.62	6.98
SWM Facility #91	Bull Run	2010	166-7	Conversion	CW	Further Study	25.47	55%	14.03	25.47	14.03	1.62	22.73
SWM Facility #688	Broad Run	2012	244-688	Conversion	CW	Further Study	32.65	39%	12.75	32.65	12.75	1.62	20.66
Project 166-13	Bull Run	2010	166-13	New	CW	Further Study	4.00	50%	2.00	4.00	2.00	1.62	3.24
SWM Facility #106	Bull Run	2010	194-3	Conversion	CW	Further Study	53.00	30%	15.90	53.00	15.90	1.62	25.76
SWM Facility # 858	Quantico Creek	2014	193	Conversion	WP	Design	51.41	12%	6.13	51.41	6.13	1.62	9.93
SWM Facility #317	Marumsco/Farm Creek	2009	317	Enhancement	ED	Further Study	2.71	58%	1.57	2.71	1.57	1.62	2.54
SWM Facility #233	Powells Creek	2008	725-5	Conversion	CW	Design	35.45	22%	7.66	35.45	7.66	1.62	12.41
SWM Facility #689	Broad Run	2012	244-689	Conversion	CW	Further Study	69.37	16%	11.01	69.37	11.01	1.62	17.84
SWM Facility #9026	Occoquan River	2014	9026	Conversion	ED	Concept	18.00	61%	10.98	18.00	10.98	1.62	17.79
SWM Facility #109	Occoquan River	2014	190	Conversion	ED	Design	72.52	13%	9.78	72.52	9.78	1.62	15.84
SWM Facility #669	Quantico Creek	2011	669	Enhancement	WP	Further Study	93.20	25%	23.30	93.20	23.30	1.62	37.75
SWM Facility #580	Marumsco/Farm Creek	2009	580	Conversion	ED	Further Study	14.50	54%	7.90	14.50	7.90	1.62	12.80
Project 166-14	Bull Run	2010	166-14	New	Multiple	Further Study	28.60	35%	10.01	28.60	10.01	1.62	16.22
SWM Facility #435	Broad Run	2012	262-435	Conversion	ED	Further Study	1.91	80%	1.53	1.91	1.53	1.62	2.48
ELLIS BARON PARK 166-15	Bull Run	2010	166-15	New	BR	Further Study	23.00	50%	11.50	2.00	1.00	1.62	1.62
SWM Facility #105	Bull Run	2010	186-2	Conversion	CW	Further Study	24.00	40%	9.60	24.00	9.60	1.62	15.55
SWM Facility #386	Bull Run	2014	5	Conversion	CW	Further Study	24.61	52%	12.76	24.61	12.76	1.62	20.67
SWM Facility #63	Occoquan River	2014	63	Conversion	CW	Further Study	108.57	28%	30.91	108.57	30.91	1.62	50.07
SWM Facility #533	Quantico Creek	2011	533	Conversion	ED	Further Study	33.29	25%	8.18	33.29	8.18	1.62	13.25
SWM Facility #558	Quantico Creek	2011	558	Conversion	ED	Further Study	17.27	40%	6.85	17.27	6.85	1.62	11.10
Project 194-5	Bull Run	2010	194-5	New	ED	Further Study	2.50	20%	0.50	2.50	0.50	1.62	0.81
SWM Facility #164	Bull Run	2010	186-3	Conversion	ED	Further Study	20.00	45%	9.00	20.00	9.00	1.62	14.58
SWM Facility #395	Broad Run	2012	246-395	Enhancement	FP	Further Study	5.00	35%	1.75	5.00	1.75	1.62	2.84
SWM Facility #411	Marumsco/Farm Creek	2009	411	Conversion	CW	Further Study	2.00	60%	1.20	2.00	1.20	1.62	1.94
SWM Facility #465	Occoquan River	2014	465	Conversion	ED	Further Study	22.00	39%	8.58	22.00	8.58	1.62	13.90
SWM Facility #163	Occoquan River	2014	163	Conversion	ED	Further Study	16.00	38%	6.08	16.00	6.08	1.62	9.85
SWM Facility #89	Marumsco/Farm Creek	2009	89	Conversion	ED	Further Study	9.19	32%	2.94	9.19	2.94	1.62	4.76
SWM Facility #61	Bull Run	2010	166-10	Conversion	ED	Further Study	14.77	31%	4.58	14.77	4.58	1.62	7.42
SWM Facility #837	Quantico Creek	2011	9999	Enhancement	WP	Further Study	17.67	25%	4.42	17.67	4.42	1.62	7.16
SWM Facility #412	Bull Run	2010	166-12	Conversion	ED	Further Study	8.37	7%	0.61	8.37	0.61	1.62	0.99
SWM Facility #281	Broad Run	2012	262-281	Conversion	ED	Further Study	1.49	20%	0.30	1.49	0.30	1.62	0.49

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PROJECT NAME	Pervious - Phosphorous Load			Forested - Phosphorous Load			Phosphorus Load	Estimated Efficiency (Incremental)	Phosphorus Reduction	Current Cost Estimate	Cost/lb Phosphorus	Cost per lb TP Removal			
	Pervious	Loading Rate	TP Loading 0.41	Forested	Loading Rate	TP Loading 0.13						Cost Range	Score	Weight	Weighted Score
SWM Facility #147	24.16	0.41	9.91	5.79	0.13	0.75	35.41	42%	14.87	\$150,000	\$10,085	\$10,000-\$15,000	15.00	2.50	37.50
SWM Facility #28	31.81	0.41	13.04	16.97	0.13	2.21	57.66	7%	4.04	\$140,274	\$34,754	\$25,000 - \$50,000	5.00	2.50	12.50
SWM Facility #98	2.42	0.41	0.99	2.81	0.13	0.37	5.73	13%	0.75	\$52,616	\$70,617	> \$50,000	0.00	2.50	0.00
SWM Facility #99	3.74	0.41	1.53	0.00	0.13	0.00	9.86	49%	4.83	\$88,687	\$18,356	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #424	44.82	0.41	18.38	5.09	0.13	0.66	86.30	42%	36.25	\$250,000	\$6,897	< \$10,000	20.00	2.50	50.00
SWM Facility #377	6.47	0.41	2.65	0	0.13	0.00	12.05	7%	0.84	\$50,000	\$59,283	> \$50,000	0.00	2.50	0.00
SWM Facility #416	80.99	0.41	33.21	0.00	0.13	0.00	89.44	42%	37.56	\$182,933	\$4,870	< \$10,000	20.00	2.50	50.00
SWM Facility #489	42.62	0.41	17.47	6.81	0.13	0.89	55.10	7%	3.86	\$233,812	\$60,619	> \$50,000	0.00	2.50	0.00
Ellis Baron Park	3.39	0.41	1.39	0.00	0.13	0.00	8.37	52%	4.35	\$56,875	\$13,064	\$10,000-\$15,000	15.00	2.50	37.50
SWM Facility #91	11.44	0.41	4.69	0.00	0.13	0.00	27.42	42%	11.52	\$200,000	\$17,367	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #688	11.54	0.41	4.73	8.36	0.13	1.09	26.47	42%	11.12	\$138,861	\$12,489	\$10,000-\$15,000	15.00	2.50	37.50
Project 166-13	2.00	0.41	0.82	0.00	0.13	0.00	4.06	55%	2.23	\$88,309	\$39,547	\$25,000 - \$50,000	5.00	2.50	12.50
SWM Facility #106	37.10	0.41	15.21	0.00	0.13	0.00	40.97	42%	17.21	\$175,000	\$10,170	\$10,000-\$15,000	15.00	2.50	37.50
SWM Facility # 858	31.47	0.41	12.90	13.82	0.13	1.80	24.63	32%	7.88	\$150,000	\$19,032	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #317	0.77	0.41	0.32	0.37	0.13	0.05	2.91	55%	1.60	\$75,000	\$46,905	\$25,000 - \$50,000	5.00	2.50	12.50
SWM Facility #233	14.98	0.41	6.14	12.81	0.13	1.67	20.22	42%	8.49	\$100,000	\$11,777	\$10,000-\$15,000	15.00	2.50	37.50
SWM Facility #689	34.11	0.41	13.99	24.25	0.13	3.15	34.97	42%	14.69	\$115,591	\$7,869	< \$10,000	20.00	2.50	50.00
SWM Facility #9026	7.02	0.41	2.88	0.00	0.13	0.00	20.67	7%	1.45	\$235,000	\$162,449	> \$50,000	0.00	2.50	0.00
SWM Facility #109	11.22	0.41	4.60	51.51	0.13	6.70	27.14	7%	1.90	\$75,000	\$39,478	\$25,000 - \$50,000	5.00	2.50	12.50
SWM Facility #669	69.90	0.41	28.66	0.00	0.13	0.00	66.41	14%	9.30	\$120,000	\$12,908	\$10,000-\$15,000	15.00	2.50	37.50
SWM Facility #580	5.50	0.41	2.26	1.10	0.13	0.14	15.20	7%	1.06	\$110,000	\$103,411	> \$50,000	0.00	2.50	0.00
Project 166-14	18.59	0.41	7.62	0.00	0.13	0.00	23.84	30%	7.15	\$178,246	\$24,925	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #435	0.38	0.41	0.16	0.00	0.13	0.00	2.63	7%	0.18	\$35,693	\$193,555	> \$50,000	0.00	2.50	0.00
ELLIS BARON PARK 166-15	1.00	0.41	0.41	0.00	0.13	0.00	2.03	55%	1.12	\$61,383	\$54,978	> \$50,000	0.00	2.50	0.00
SWM Facility #105	14.40	0.41	5.90	0.00	0.13	0.00	21.46	42%	9.01	\$200,000	\$22,194	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #386	11.85	0.41	4.86	0.00	0.13	0.00	25.53	42%	10.72	\$318,500	\$29,704	\$25,000 - \$50,000	5.00	2.50	12.50
SWM Facility #63	55.38	0.41	22.71	22.28	0.13	2.90	75.68	42%	31.78	\$200,000	\$6,292	< \$10,000	20.00	2.50	50.00
SWM Facility #533	21.32	0.41	8.74	3.79	0.13	0.49	22.49	7%	1.57	\$31,142	\$19,785	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #558	10.42	0.41	4.27	0.00	0.13	0.00	15.37	7%	1.08	\$18,530	\$17,224	\$15,000-\$25,000	10.00	2.50	25.00
Project 194-5	2.00	0.41	0.82	0.00	0.13	0.00	1.63	55%	0.90	\$55,224	\$61,600	> \$50,000	10.00	2.50	25.00
SWM Facility #164	11.00	0.41	4.51	0.00	0.13	0.00	19.09	7%	1.34	\$110,000	\$82,317	> \$50,000	0.00	2.50	0.00
SWM Facility #395	3.25	0.41	1.33	0.00	0.13	0.00	4.17	42%	1.75	\$34,507	\$19,714	\$15,000-\$25,000	10.00	2.50	25.00
SWM Facility #411	0.80	0.41	0.33	0.00	0.13	0.00	2.27	42%	0.95	\$70,000	\$73,357	> \$50,000	0.00	2.50	0.00
SWM Facility #465	13.42	0.41	5.50	0.00	0.13	0.00	19.40	7%	1.36	\$250,000	\$184,077	> \$50,000	5.00	2.50	12.50
SWM Facility #163	9.92	0.41	4.07	0.00	0.13	0.00	13.92	7%	0.97	\$110,000	\$112,916	> \$50,000	5.00	2.50	12.50
SWM Facility #89	5.17	0.41	2.12	1.09	0.13	0.14	7.02	7%	0.49	\$110,000	\$223,716	> \$50,000	0.00	2.50	0.00
SWM Facility #61	9.23	0.41	3.78	0.98	0.13	0.13	11.33	7%	0.79	\$110,000	\$138,680	> \$50,000	0.00	2.50	0.00
SWM Facility #837	13.25	0.41	5.43	0.00	0.13	0.00	12.59	14%	1.76	\$120,000	\$68,066	> \$50,000	0.00	2.50	0.00
SWM Facility #412	0.63	0.41	0.26	7.13	0.13	0.93	2.17	7%	0.15	\$110,000	\$723,028	> \$50,000	0.00	2.50	0.00
SWM Facility #281	1.19	0.41	0.49	0.00	0.13	0.00	0.97	7%	0.07	\$31,880	\$467,634	> \$50,000	0.00	2.50	0.00

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PROJECT NAME	Percent Impervious				Assigned Priority - Watershed Study				Downstream Channel Condition				Age of Watershed Study			
	Impervious Acreage	Score	Weight	Weighted Score	Composite Priority	Score	Weight	Weighted Score	DS Channel Condition	Score	Weight	Weighted Score	Study Date	Score	Weight	Weighted Score
SWM Facility #147	0.34	17.00	2.00	34.00	Very High	20.00	1.50	30.00	Fair	5	1.50	7.50	2008	20	1.00	20.00
SWM Facility #28	0.35	17.50	2.00	35.00	Very High	20.00	1.50	30.00	Good	0	1.50	0.00	2014	0	1.00	0.00
SWM Facility #98	0.34	17.00	2.00	34.00	Very High	20.00	1.50	30.00	Good	0	1.50	0.00	2010	10	1.00	10.00
SWM Facility #99	0.58	29.00	2.00	58.00	Very High	20.00	1.50	30.00	Good	0	1.50	0.00	2010	10	1.00	10.00
SWM Facility #424	0.45	22.71	2.00	45.41	Medium	5.00	1.50	7.50	Poor	10	1.50	15.00	2015	0	1.00	0.00
SWM Facility #377	0.47	23.50	2.00	47.00	Very High	20.00	1.50	30.00	Poor	10	1.50	15.00	2014	0	1.00	0.00
SWM Facility #416	0.30	15.00	2.00	30.00	Very High	10.00	1.50	15.00	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility #489	0.31	15.50	2.00	31.00	Medium	20.00	1.50	30.00	Good	0	1.50	0.00	2014	0	1.00	0.00
Ellis Baron Park	0.56	28.00	2.00	56.00	High	5.00	1.50	7.50	Fair	5	1.50	7.50	2014	0	1.00	0.00
SWM Facility #91	0.55	27.50	2.00	55.00	High	5.00	1.50	7.50	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility #688	0.39	19.50	2.00	39.00	NA	10.00	1.50	15.00	Fair	5	1.50	7.50	2012	5	1.00	5.00
Project 166-13	0.50	25.00	2.00	50.00	Low	10.00	1.50	15.00	Poor	10	1.50	15.00	2010	10	1.00	10.00
SWM Facility #106	0.30	15.00	2.00	30.00	Medium	10.00	1.50	15.00	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility # 858	0.12	6.00	2.00	12.00	Very High	20.00	1.50	30.00	Fair	5	1.50	7.50	2014	0	1.00	0.00
SWM Facility #317	0.58	29.00	2.00	58.00	Very High	0.00	1.50	0.00	Poor	10	1.50	15.00	2009	10	1.00	10.00
SWM Facility #233	0.22	11.00	2.00	22.00	NA	5.00	1.50	7.50	Fair	5	1.50	7.50	2008	20	1.00	20.00
SWM Facility #689	0.16	8.00	2.00	16.00	High	10.00	1.50	15.00	Fair	5	1.50	7.50	2012	5	1.00	5.00
SWM Facility #9026	0.61	30.50	2.00	61.00	Medium	20.00	1.50	30.00	Good	0	1.50	0.00	2014	0	1.00	0.00
SWM Facility #109	0.13	6.74	2.00	13.48	High	10.00	1.50	15.00	Good	0	1.50	0.00	2014	0	1.00	0.00
SWM Facility #669	0.25	12.50	2.00	25.00	High	10.00	1.50	15.00	Fair	5	1.50	7.50	2011	5	1.00	5.00
SWM Facility #580	0.54	27.00	2.00	54.00	High	10.00	1.50	15.00	Fair	5	1.50	7.50	2009	10	1.00	10.00
Project 166-14	0.35	17.50	2.00	35.00	High	5.00	1.50	7.50	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility #435	0.80	40.00	2.00	80.00	Low	0.00	1.50	0.00	Good	0	1.50	0.00	2012	5	1.00	5.00
ELLIS BARON PARK 166-15	0.50	25.00	2.00	50.00	Medium	10.00	1.50	15.00	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility #105	0.40	20.00	2.00	40.00	Medium	5.00	1.50	7.50	Good	0	1.50	0.00	2010	10	1.00	10.00
SWM Facility #386	0.52	26.00	2.00	52.00	Medium	10.00	1.50	15.00	Good	0	1.50	0.00	2014	0	1.00	0.00
SWM Facility #63	0.28	14.00	2.00	28.00	Low	0.00	1.50	0.00	Good	0	1.50	0.00	2014	0	1.00	0.00
SWM Facility #533	0.25	12.50	2.00	25.00	High	5.00	1.50	7.50	Poor	10	1.50	15.00	2011	5	1.00	5.00
SWM Facility #558	0.40	20.00	2.00	40.00	Low	5.00	1.50	7.50	Good	0	1.50	0.00	2011	5	1.00	5.00
Project 194-5	0.20	10.00	2.00	20.00	Low	10.00	1.50	15.00	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility #164	0.45	22.50	2.00	45.00	High	5.00	1.50	7.50	Poor	10	1.50	15.00	2010	10	1.00	10.00
SWM Facility #395	0.35	17.50	2.00	35.00	Low	5.00	1.50	7.50	Good	0	1.50	0.00	2012	5	1.00	5.00
SWM Facility #411	0.60	30.00	2.00	60.00	High	0.00	1.50	0.00	Good	0	1.50	0.00	2009	10	1.00	10.00
SWM Facility #465	0.39	19.50	2.00	39.00	Low	5.00	1.50	7.50	Fair	5	1.50	7.50	2014	0	1.00	0.00
SWM Facility #163	0.38	19.00	2.00	38.00	Low	0.00	1.50	0.00	Fair	5	1.50	7.50	2014	0	1.00	0.00
SWM Facility #89	0.32	16.00	2.00	32.00	Medium	0.00	1.50	0.00	Poor	10	1.50	15.00	2009	10	1.00	10.00
SWM Facility #61	0.31	15.50	2.00	31.00	Low	5.00	1.50	7.50	Good	0	1.50	0.00	2010	10	1.00	10.00
SWM Facility #837	0.25	12.50	2.00	25.00	Medium	0.00	1.50	0.00	Fair	5	1.50	7.50	2011	5	1.00	5.00
SWM Facility #412	0.07	3.50	2.00	7.00	Low	5.00	1.50	7.50	Fair	5	1.50	7.50	2010	10	1.00	10.00
SWM Facility #281	0.20	10.00	2.00	20.00	Low	0.00	1.50	0.00	Good	0	1.50	0.00	2012	5	1.00	5.00

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PROJECT NAME	Other Identified Need(s) (see notes)				Notes	Total Score	Rank
	Other Need	Score	Weight	Weighted Score			
SWM Facility #147	No	0.00	1.00	0.00	Convert to constructed wetland	129.00	1
SWM Facility #28	Yes	50.00	1.00	50.00	convert to ED. Address possible downstream flooding issues	127.50	2
SWM Facility #98	Yes	50.00	1.00	50.00	Converted to ED. Significant short circuiting needs to be corrected	124.00	3
SWM Facility #99	No	0.00	1.00	0.00	Converted to constructed wetland	123.00	4
SWM Facility #424	No	0.00	1.00	0.00	Convert to constructed wetland	117.91	5
SWM Facility #377	Yes	25.00	1.00	25.00	Convert to constructed wetland, adjacent to Dewey's Reach 1, Maintenance Issue	117.00	6
SWM Facility #416	No	0.00	1.00	0.00	Ex. Dry Pond. Convert to CW	112.50	7
SWM Facility #489	Yes	50.00	1.00	50.00	convert to ED, project tied to Reach 5 Stream Restoration	111.00	8
Ellis Baron Park	No	0.00	1.00	0.00	Dry Swale	108.50	9
SWM Facility #91	No	0.00	1.00	0.00	Ex. Dry Pond. Convert to Constructed wetland	105.00	10
SWM Facility #688	No	0.00	1.00	0.00	Dry Pond. Possible conversion to constructed wetland	104.00	11
Project 166-13	No	0.00	1.00	0.00	New treatment, possible constructed wetland	102.50	12
SWM Facility #106	No	0.00	1.00	0.00	Ex. Dry pond. Convert to CW	100.00	13
SWM Facility # 858	Yes	25.00	1.00	25.00	Convert to wet pond to address citizen concerns	99.50	14
SWM Facility #317	No	0.00	1.00	0.00	Ex. Dry pond. Convert to ED1	95.50	15
SWM Facility #233	No	0.00	1.00	0.00	convert to CW	94.50	16
SWM Facility #689	No	0.00	1.00	0.00	Dry Pond. Possible conversion to constructed wetland	93.50	17
SWM Facility #9026	No	0.00	1.00	0.00	convert to ED	91.00	18
SWM Facility #109	Yes	50.00	1.00	50.00	Ex structures need to be replaced soon. Convert to extended detention at same time	90.98	19
SWM Facility #669	No	0.00	1.00	0.00	wet pond	90.00	20
SWM Facility #580	No	0.00	1.00	0.00	Ex. Dry pond. Convert to ED1	86.50	21
Project 166-14	No	0.00	1.00	0.00	New bioretention	85.00	22
SWM Facility #435	No	0.00	1.00	0.00	Ex. Dry pond. Conversion. Impacted by current use	85.00	23
ELLIS BARON PARK 166-15	No	0.00	1.00	0.00	New bioretention	82.50	24
SWM Facility #105	No	0.00	1.00	0.00	Ex. Dry Pond. Convert to CW	82.50	25
SWM Facility #386	No	0.00	1.00	0.00	Ex. Dry pond to CW	79.50	26
SWM Facility #63	No	0.00	1.00	0.00	convert to CW	78.00	27
SWM Facility #533	No	0.00	1.00	0.00	dry pond. Possible conversion to extended detention	77.50	28
SWM Facility #558	No	0.00	1.00	0.00	dry pond	77.50	29
Project 194-5	No	0.00	1.00	0.00	New bioretention	77.50	30
SWM Facility #164	No	0.00	1.00	0.00	Ex. Dry Pond. Convert to ED1	77.50	31
SWM Facility #395	No	0.00	1.00	0.00	Ex. Gravel filter with forebay and underdrains	72.50	32
SWM Facility #411	No	0.00	1.00	0.00	Ex. Dry pond. Convert to ED1	70.00	33
SWM Facility #465	No	0.00	1.00	0.00	convert to ED	66.50	34
SWM Facility #163	No	0.00	1.00	0.00	convert to ED	58.00	35
SWM Facility #89	No	0.00	1.00	0.00	Ex. Dry pond. Convert to ED1	57.00	36
SWM Facility #61	No	0.00	1.00	0.00	Ex. Dry Pond	48.50	37
SWM Facility #837	No	0.00	1.00	0.00	Ex. wet pond	37.50	38
SWM Facility #412	No	0.00	1.00	0.00	Ex. Dry Pond. Convert to ED1. correct short circuiting	32.00	39
SWM Facility #281	No	0.00	1.00	0.00	Ex. Dry pond. Conversion. Impacted by current use	25.00	40

Prioritized Stream Restoration Projects
with Cost/Benefit Analysis
December 16, 2015

PROJECT NAME	Age of Watershed Study				Other Identified Need(s) (see notes)				Current Notes	Total Score	Rank
	Study Date	Score	Weight	Weighted Score	Other Need	Score	Weight	Weighted Score			
Hylbrook Park	2009	10	1.5	15.0	Yes	25.0	1.0	25.0	Slope stability issue associated with channel erosion	100.0	1
Dewey's Creek Reach 4 - DEWEYS_POSSUM PT CULVERT	2011	5	1.5	7.5	Yes	25.0	1.0	25.0	Joint project with Town of Dumfries and USFWS	82.5	2
Powells 725 Phase 1 - Northgate to Timid Creek Court	2008	20	1.5	30.0	No	0.0	1.0	0.0	Reach length 3100 feet. Actual restoration length TBD.	80.0	3
Powells 725 Phase 4 - Lacrosse Court to Eagle Flight Circle	2008	20	1.5	30.0	No	0.0	1.0	0.0	Originally small portion of Powells Creek off of Labourne Drive	80.0	4
Powells 725 Phase 5 - Eagle Flight Circle to Route 1	2008	20	1.5	30.0	No	0.0	1.0	0.0		80.0	5
Dewey's Creek Reach 2	2011	5	1.5	7.5	No	0.0	1.0	0.0	Includes WS101 (630-A-3) and WS104 (630-B-3)	77.5	6
EAST LONGVIEW-RTE 1 RESTORATION	2009	10	1.5	15.0	No	0.0	1.0	0.0		75.0	7
Cow Branch 3	2010	10	1.5	15.0	No	0.0	1.0	0.0		75.0	8
LACROSSE CT (Powells 725 Phase 3)	2008	20	1.5	30.0	No	0.0	1.0	0.0		70.0	9
LABOURNE / BEAU RIDGE	2008	20	1.5	30.0	No	0.0	1.0	0.0		70.0	10
Dewey's Creek Reach 1 - DEWEYS_TULIP TREE TO RTE 1	2011	5	1.5	7.5	No	0.0	1.0	0.0	Includes WS103 (630-B-2)	67.5	11
COSTCO AREA	2010	10	1.5	15.0	No	0.0	1.0	0.0		65.0	12
RTE 28 & LELAND RD	2010	10	1.5	15.0	No	0.0	1.0	0.0		65.0	13
LELAND ROAD	2010	10	1.5	15.0	No	0.0	1.0	0.0		65.0	14
Powells 725 Phase 2A - Timid Creek Court to Beau Ridge Dr.	2008	20	1.5	30.0	No	0.0	1.0	0.0		60.0	15
Powells 725 Phase 2B - Beau Ridge to Lacrosse Court	2008	20	1.5	30.0	No	0.0	1.0	0.0		60.0	16
JEFFERSON PARK SITE	2009	10	1.5	15.0	Yes	25.0	1.0	25.0	Outfall Stabilization. Utilize excess material from Hylbrook Park	60.0	17
Reach 5	2014	0	1.5	0.0	No	0.0	1.0	0.0		60.0	18
Dewey's Creek Reach 3	2011	5	1.5	7.5	No	0.0	1.0	0.0		57.5	19
I-95 TO FOUR SEASONS	2011	5	1.5	7.5	No	0.0	1.0	0.0		57.5	20
Creek Road to Route 1	2011	5	1.5	7.5	No	0.0	1.0	0.0		57.5	21
LITTLE CREEK , MCB QUANTICO	2011	5	1.5	7.5	No	0.0	1.0	0.0		57.5	22
Rocky Run HOA	2012	5	1.5	7.5	No	0.0	1.0	0.0	Reforestation primarily	57.5	23
FRED LYNN M.S. SITE	2009	10	1.5	15.0	No	0.0	1.0	0.0		55.0	24
HAMMILL MILL PARK	2009	10	1.5	15.0	No	0.0	1.0	0.0		55.0	25
MARY'S WAY	2009	10	1.5	15.0	No	0.0	1.0	0.0		55.0	26
Cow Branch 4	2010	10	1.5	15.0	No	0.0	1.0	0.0		55.0	27
POWELLS CREEK APT GROUTED RIP RAP REMOVAL	2008	20	1.5	30.0	No	0.0	1.0	0.0		50.0	28
Ellis Baron Park	2014	0	1.5	0.0	No	0.0	1.0	0.0		50.0	29
MEDFORD DRIVE TRIB	2011	5	1.5	7.5	No	0.0	1.0	0.0		47.5	30
DEWEYS_I-95 TO RTE 1	2011	5	1.5	7.5	No	0.0	1.0	0.0		47.5	31
I95 to Creek Road	2011	5	1.5	7.5	No	0.0	1.0	0.0		47.5	32
SWAN'S CREEK LANE	2011	5	1.5	7.5	No	0.0	1.0	0.0		47.5	33
MEDFORD TO OYSTER BAY	2011	5	1.5	7.5	No	0.0	1.0	0.0		47.5	34
Prince William GC	2012	5	1.5	7.5	No	0.0	1.0	0.0	Low priority, some bank stabilization	47.5	35
Cupids Dart Ct	2014	0	1.5	0.0	No	0.0	1.0	0.0		40.0	36
EASY STREET	2009	10	1.5	15.0	No	0.0	1.0	0.0		35.0	37
Rosemount Lewis Park	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	38
Sudley HOA Common Area	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	39
Reach 9	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	40
Reach 10	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	41
Reach 12	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	42
Reach 20A	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	43
Reach 6A	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	44
Reach 2	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	45
Reach 7	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	46
Reach 11	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	47
Reach 21	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	48
Reach 22	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	49
Reach 23	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	50
Reach 17A	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	51
Reach 17B	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	52
Reach 18A	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	53
Reach 18B	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	54
Reach 19A	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	55
Reach 19B	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	56
Reach 20B	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	57
Reach 6B	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	58
Reach 8A	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	59
Reach 8B	2014	0	1.5	0.0	No	0.0	1.0	0.0		30.0	60
RIVER HERITAGE BLVD	2011	5	1.5	7.5	No	0.0	1.0	0.0	Wait until Potomac Shores Pwy is extended	27.5	61
FOUR SEASONS	2011	5	1.5	7.5	No	0.0	1.0	0.0		17.5	62
OYSTER BAY CT	2011	5	1.5	7.5	No	0.0	1.0	0.0		17.5	63
DEWEYS I-95 TO RTE 1	2011	5	1.5	7.5	No	0.0	1.0	0.0		7.5	64
WILLIAM ROAD_I-95	2011	5	1.5	7.5	No	0.0	1.0	0.0		7.5	65