

Table 4. Prince William County, Virginia Shoreline Attributes - Riparian Land Use - River System Summary

PRINCE WILLIAM RIVER SYSTEM	TOTAL MILES SURVEYED	RIPARIAN LAND USE (miles)																															
		AGRICULTURE				BARE	COMMERCIAL				FOREST			GRASS				INDUSTRIAL				PAVED				RESIDENTIAL				SCRUB-SHRUB			
		no tree buffer	tree fringe only	fringe with canopy over- hang	total		no tree buffer	no tree buffer	tree fringe only	fringe with canopy over- hang	total	no canopy over- hang	canopy over- hang	total	no tree buffer	tree fringe only	fringe with canopy over- hang	total	no tree buffer	tree fringe only	fringe with canopy over- hang	total	no tree buffer	tree fringe only	fringe with canopy over- hang	total	no tree buffer	tree fringe only	fringe with canopy over- hang	total			
Chopawamsic Creek	3.31	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20	2.39	0.00	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.72		
Occoquan River	25.97	0.00	0.00	0.00	0.00	0.17	2.13	0.00	0.16	2.29	14.40	0.69	15.09	0.20	0.53	0.06	0.80	0.00	0.44	0.00	0.44	0.16	0.00	0.06	0.22	2.04	0.20	0.31	2.55	4.17	0.00	0.25	4.41
Potomac River	9.91	0.00	0.00	0.00	0.00	0.23	1.27	0.00	0.00	1.27	2.21	0.88	3.08	1.46	0.21	0.18	1.85	0.48	0.54	0.46	1.48	0.72	0.11	0.00	0.83	0.18	0.04	0.04	0.27	0.89	0.00	0.00	0.89
Powells Creek	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.05	0.00	5.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.00	0.20	0.04	0.00	0.00	0.04	0.00	0.00	0.00	0.00
Quantico Creek	15.05	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.00	0.25	6.66	0.11	6.77	0.34	0.00	0.06	0.40	0.57	0.00	0.00	0.57	1.72	0.50	0.05	2.28	1.50	0.00	0.04	1.55	3.24	0.08	0.00	3.24
Total	59.52	0.00	0.00	0.00	0.00	0.40	3.85	0.00	0.16	4.01	30.71	1.68	32.38	2.00	0.74	0.30	3.05	1.05	0.98	0.46	2.49	2.80	0.61	0.11	3.52	3.76	0.24	0.39	4.40	9.02	0.08	0.25	9.27

Table 5. Prince William County, Virginia Shoreline Attributes - Riparian Bank Condition – River System Summary

PRINCE WILLIAM RIVER SYSTEM	TOTAL MILES SURVEYED	BANK (bank height and erosion status - miles of shore)																							
		0-5 FEET						5-10 FEET						10-30 FEET						>30 FEET					
		erosional	erosional undercut	stable	stable undercut	transitional	transitional undercut	erosional	erosional undercut	stable	stable undercut	transitional	transitional undercut	erosional	erosional undercut	stable	stable undercut	transitional	transitional undercut	erosional	erosional undercut	stable	stable undercut	transitional	transitional undercut
Chopawamsic Creek	3.31	0.00	0.00	3.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Occoquan River	25.97	0.29	0.00	24.86	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.00	0.00	0.04	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00
Potomac River	9.91	0.00	0.00	6.79	0.00	0.00	0.00	0.00	0.00	1.25	0.00	0.46	0.00	0.00	0.00	1.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Powells Creek	5.29	0.00	0.00	5.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quantico Creek	15.05	0.86	0.00	11.32	0.00	0.00	0.00	0.00	0.00	1.55	0.00	1.07	0.00	0.00	0.00	0.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	59.52	1.15	0.00	51.56	0.00	0.00	0.00	0.00	0.00	3.30	0.00	1.52	0.00	0.04	0.00	1.87	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00

Table 6. Prince William County, Virginia Shoreline Attributes - Riparian Buffer Condition, *Phragmites australis* and Survey Dates – River System Summary

PRINCE WILLIAM RIVER SYSTEM	TOTAL MILES SURVEYED	BANK COVER			NATURAL BUFFER							PHRAGMITES (miles)	MILES REMOTELY SURVEYED	FIELD SURVEY DATES
		(miles)			BEACH	(miles)								
		bare	partial	full		MARSH								
						embayed	extensive	fringe <5	fringe 5-10	fringe 10-15	fringe >15			
Chopawamsic Creek	3.31	0.00	0.00	3.31	0.00	0.00	0.67	0.89	0.00	0.00	1.74	0.00	3.31	-
Occoquan River	25.97	0.00	0.24	25.73	1.47	2.55	3.43	1.39	0.00	0.00	7.42	1.61	10.18	June 7, 2010
Potomac River	9.91	0.00	0.52	9.39	3.14	0.00	0.43	0.07	0.00	0.00	0.00	0.00	3.90	June 7, 2010 and June 9, 2010
Powells Creek	5.29	0.00	0.00	5.29	0.99	3.16	0.00	0.02	0.00	0.00	0.08	0.00	4.60	June 9, 2010
Quantico Creek	15.05	0.11	1.50	13.44	0.61	0.11	2.13	1.11	0.04	0.00	3.97	0.00	13.36	June 9, 2010
Total	59.52	0.11	2.27	57.14	6.21	5.82	6.66	3.49	0.04	0.00	13.21	1.61	35.35	

Table 7. Prince William County, Virginia Shoreline Attributes - Shoreline Features – River System Summary

PRINCE WILLIAM RIVER SYSTEM	TOTAL MILES SURVEYED	SHORELINE FEATURES																
		No. docks	No. dilapidated docks	No. boathouses	No. ramps private	No. ramps public	No. outfalls	No. groinfields	No. marinas <50 slips	No. marinas >50 slips	No. jetties	No. breakwater	Miles of debris	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of marsh toe revetment	Miles of riprap
Chopawamsic Creek	3.31	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00
Occoquan River	25.97	46	2	2	15	0	7	5	2	4	2	0	0.00	0.06	1.05	0.19	0.00	1.31
Potomac River	9.91	15	0	0	0	2	0	0	1	1	2	2	0.02	0.07	0.49	0.00	0.00	1.95
Powells Creek	5.29	1	0	0	0	0	0	0	0	0	0	2	0.00	0.00	0.00	0.00	0.00	0.02
Quantico Creek	15.05	22	1	2	2	0	0	0	0	0	0	0	0.00	0.04	0.30	0.00	0.00	0.02
Total	59.52	84	3	4	17	2	7	5	3	5	4	3	0.02	0.17	1.84	0.19	0.00	3.31