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Summary Tables: City of Hampton, Virginia Shoreline Inventory Report

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Table 4. City of Hampton, Virginia Shoreline Attributes - Riparian Land Use - River System Summary

CITY OF HAMPTON RIVER SYSTEM	TOTAL MILES SURVEYED	RIPARIAN LAND USE (miles)																																			
		AGRICULTURE				BARE				COMMERCIAL				FOREST			GRASS				INDUSTRIAL				MARSH ISLAND												
		no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no canopy over-hang	canopy over-hang	total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total									
Back River	9.16	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.83	1.44	0.03	0.00	1.47	1.37	0.00	1.37	0.20	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.46						
Chesapeake Bay	9.51	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.83	0.14	0.00	0.00	0.14	0.00	0.00	0.00	0.60	0.00	0.00	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05			
Hampton River	21.93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.76	0.23	0.05	3.04	0.83	0.35	1.18	0.89	0.53	0.30	1.72	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				
Hampton Roads	12.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.66	0.00	0.02	2.68	0.23	0.00	0.23	2.03	0.09	0.00	2.12	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				
Harris River	16.96	0.00	0.43	0.00	0.43	0.00	0.00	0.00	0.00	0.24	0.00	0.00	0.24	4.80	0.00	4.80	0.22	0.44	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00					
Long Creek	14.67	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.17	0.00	0.00	0.00	0.00	3.48	0.03	3.51	0.30	0.02	0.00	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00	0.38		
Mill Creek	11.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.00	0.00	0.34	0.12	0.00	0.12	2.05	0.03	0.00	2.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.24	0.00	0.00	3.24	
Northwest Branch																																					
Back River	10.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.30	0.00	0.00	1.30	4.89	0.00	4.89	1.18	0.00	0.00	1.18	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			
Salt Ponds	10.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.12	0.09	0.00	0.09	0.06	0.00	0.00	0.06	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	3.40	0.00	0.00	3.40
Southeast Branch																																					
Back River	41.20	0.00	0.00	0.00	0.00	0.03	0.23	0.00	0.26	1.83	0.26	0.04	2.13	6.56	1.67	8.23	4.78	1.11	0.40	6.29	0.00	0.13	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.91	0.00	0.00	2.91
Total	157.54	0.00	0.43	0.00	0.43	1.86	0.23	0.00	2.09	10.83	0.52	0.11	11.46	22.37	2.05	24.42	12.31	2.22	0.70	15.23	0.00	0.13	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.62	0.00	0.00	10.62

Table 4. City of Hampton, Virginia Shoreline Attributes - Riparian Land Use - River System Summary (con't)

CITY OF HAMPTON RIVER SYSTEM	TOTAL MILES SURVEYED	RIPARIAN LAND USE (miles)											
		PAVED				RESIDENTIAL				SCRUB-SHRUB			
		no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total	no tree buffer	tree fringe only	canopy over-hang	fringe with canopy total
Back River	9.16	0.89	0.00	0.00	0.89	0.59	0.47	0.00	1.06	2.88	0.00	0.00	2.88
Chesapeake Bay	9.51	2.49	0.00	0.00	2.49	2.41	0.00	0.00	2.41	3.01	0.00	0.00	3.01
Hampton River	21.93	0.90	0.43	0.02	1.35	8.88	3.61	1.66	14.15	0.39	0.05	0.05	0.49
Hampton Roads	12.74	2.18	0.01	0.07	2.26	4.52	0.64	0.06	5.22	0.13	0.00	0.00	0.13
Harris River	16.96	0.60	0.03	0.00	0.63	4.99	2.56	0.00	7.55	2.49	0.07	0.00	2.56
Long Creek	14.67	0.13	0.00	0.00	0.13	2.03	0.80	0.01	2.84	7.14	0.00	0.18	7.32
Mill Creek	11.04	1.57	0.04	0.00	1.61	2.45	0.13	0.00	2.58	1.06	0.00	0.00	1.06
Northwest Branch													
Back River	10.31	0.36	0.00	0.00	0.36	0.52	0.00	0.00	0.52	2.06	0.00	0.00	2.06
Salt Ponds	10.02	0.24	0.00	0.00	0.24	3.65	0.45	0.00	4.10	2.01	0.00	0.00	2.01
Southeast Branch													
Back River	41.20	3.78	1.05	0.00	4.83	7.90	2.44	0.28	10.62	5.69	0.10	0.00	5.79
Total	157.54	13.14	1.56	0.09	14.79	37.94	11.10	2.01	51.05	26.86	0.22	0.23	27.31

Table 5. City of Hampton, Virginia Shoreline Attributes - Riparian Bank Condition - River System Summary

CITY OF HAMPTON 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
Back River	9.16	0.00	0.00	8.17	0.00	0.00	0.00	0.00	0.00	0.99	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
Chesapeake Bay	9.51	2.82	0.00	1.64	0.00	5.02	0.00	0.00	0.00	0.04	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
Hampton River	21.93	0.00	0.04	21.22	0.00	0.24	0.19	0.00	0.00	0.25	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
Hampton Roads	12.74	0.08	0.01	11.03	0.00	0.11	0.00	0.00	0.00	1.52	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
Harris River	16.96	0.09	0.02	16.75	0.00	0.00	0.00	0.00	0.00	0.10	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
Long Creek	14.67	0.10	0.23	14.33	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
Mill Creek	11.04	0.00	0.01	10.27	0.00	0.26	0.03	0.00	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Northwest Branch																									
Back River	10.31	0.00	0.00	9.71	0.00	0.08	0.02	0.00	0.00	0.50	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
Salt Ponds	10.02	0.24	0.00	9.32	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Southeast Branch																									
Back River	41.20	0.42	0.47	39.63	0.04	0.03	0.02	0.00	0.00	0.57	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
Total	157.54	3.75	0.78	142.07	0.04	5.77	0.26	0.00	0.00	4.40	0.00	0.00	0.00	0.00	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table 6. City of Hampton, Virginia Shoreline Attributes - Riparian Buffer Condition, *Phragmites australis* and Survey Dates - River System Summary

CITY OF HAMPTON RIVER SYSTEM	TOTAL MILES SURVEYED	BANK COVER (miles)											PHRAGMITES (miles)	MILES REMOTELY SURVEYED	FIELD SURVEY DATES	
		BANK COVER			BEACH	NATURAL BUFFER (miles)										
		bare	partial	full		embayed	extensive	fringe <5	fringe 5-10	fringe 10-15	fringe >15	marsh island				
Back River	9.16	0.00	0.00	9.16	1.53	0.31	1.15	1.01	0.58	0.49	2.21	0.46	2.79	1.10	August 20, 25, & 31, 2010	
Chesapeake Bay	9.51	0.03	1.28	8.20	8.57	0.00	1.95	0.73	0.00	0.00	0.67	0.05	1.67	5.02	August 31, 2010 and October 11, 2010	
Hampton River	21.93	0.00	0.05	21.88	0.00	0.07	0.04	5.61	0.85	0.59	0.93	0.00	1.59	4.59	September 2 & 7, 2010	
Hampton Roads	12.74	0.01	0.02	12.71	0.99	0.81	0.00	0.48	0.02	0.00	0.00	0.09	0.00	8.33	September 2 & 9, 2010	
Harris River	16.96	0.08	0.00	16.88	0.00	0.70	2.32	3.71	1.75	1.44	4.68	0.09	5.44	3.14	August 25, 2010	
Long Creek	14.67	0.00	0.29	14.38	0.17	0.00	7.02	1.07	0.31	0.50	3.39	0.38	1.76	2.55	August 31, 2010 and October 11, 2010	
Mill Creek	11.04	0.00	0.29	10.75	0.11	0.20	0.23	3.60	0.43	0.11	0.50	3.24	1.23	0.39	September 9, 2010	
Northwest Branch																
Back River	10.31	0.08	0.15	10.08	0.00	0.00	7.36	1.16	0.33	0.05	0.82	0.00	3.69	0.00	August 16, 2010	
Salt Ponds	10.02	0.00	0.00	10.02	0.30	0.00	2.33	1.24	0.23	0.15	1.53	3.40	5.48	2.07	October 11, 2010	
Southeast Branch																
Back River	41.20	0.02	0.21	40.97	0.15	0.48	4.84	9.57	2.24	0.83	11.81	2.91	7.59	20.69	August 16 & 20, 2010	
Total	157.54	0.22	2.29	155.03	11.82	2.57	27.24	28.18	6.74	4.16	26.54	10.62	31.24	47.88		

Table 7. City of Hampton, Virginia Shoreline Attributes - Shoreline Features - River System Summary

CITY OF HAMPTON RIVER SYSTEM	TOTAL MILES SURVEYED	SHORELINE FEATURES																		
		No. docks	No. dilapidated docks	No. boathouses	No. ramps		No. outfalls	No. groinfields	No. marinas		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	Miles of wharf	
Back River	9.16	11	1	0	1	2	0	0	1	3	3	0	0.06	0.23	0.11	0.05	0.00	0.59	0.01	
Chesapeake Bay	9.51	2	0	0	0	0	0	1	0	0	2	2	0.00	0.00	2.18	0.00	0.00	0.60	0.00	
Hampton River	21.93	224	10	24	22	2	32	0	8	4	0	0	0.62	1.12	5.68	0.30	0.03	3.82	0.30	
Hampton Roads	12.74	52	4	3	4	0	2	7	0	2	2	2	0.47	0.13	2.64	0.26	0.00	6.40	0.14	
Harris River	16.96	86	6	11	11	0	1	0	0	1	0	0	0.00	0.67	1.05	0.00	0.00	0.86	0.00	
Long Creek	14.67	72	3	0	1	0	2	0	0	0	0	0	0.00	0.07	0.98	0.02	0.00	0.27	0.00	
Mill Creek	11.04	42	9	1	11	0	7	1	0	0	0	0	0.52	0.29	1.39	0.00	0.11	2.18	0.05	
Northwest Branch																				
Back River	10.31	1	0	0	0	0	0	0	0	0	0	0	0.04	0.00	0.01	0.01	0.00	0.76	0.00	
Salt Ponds	10.02	60	3	2	0	0	3	0	0	2	0	0	0.03	0.00	0.80	0.01	0.02	0.40	0.00	
Southeast Branch																				
Back River	41.20	129	10	3	11	3	13	1	0	1	0	0	0.13	0.34	2.43	0.06	0.06	3.76	0.00	
Total	157.54	679	46	44	61	7	60	10	9	13	7	4	1.86	2.85	17.27	1.17	0.23	19.66	0.5	