

Table 4. Mathews County Shoreline Attributes - River Reach Data (Con't)

REACH NUMBER	REACH LENGTH SURVEYED (miles)	RIPARIAN LAND USE (% of reach length surveyed)							SHORELINE FEATURES								BANK (bank height and erosion status - (%))						BUFFER CONDITION					
		forest	scrub-shrub	grass	residential	commercial	bare	timbered	No. docks	No. boathouses	No. ramps	No. groinfields	No. marinas	No. bkptr*	No. jetties	% bulkhead	% riprap	0-5 ft		5-10 ft		>10 ft		BEACH PRESENT (% of reach length)		MARSH PRESENT (% of reach length)		
																		low	high	low	high	low	high	Eroding	Stable	Eroding	Stable	
250	0.20	25	0	0	75	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	75
251	0.87	0	0	8	92	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	92
253	0.25	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100
254	8.81	56	14	17	13	0	0	0	6	0	0	0	0	0	0	0	99	1	0	0	0	0	0	0	0	5	70	
255	0.38	13	87	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100	0	
257	1.33	50	33	3	15	0	0	0	4	0	0	0	0	0	0	5	45	55	0	0	0	0	0	0	0	89	4	
258	2.57	12	36	11	22	18	0	0	16	3	4	0	6	0	0	8	2	86	14	0	0	0	0	0	0	47	28	
259	1.07	54	2	0	43	0	0	0	2	0	0	0	0	0	0	0	47	53	0	0	0	0	0	0	0	86	0	
260	1.54	58	42	0	0	0	0	0	1	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100	0	
261	0.77	35	65	0	0	0	0	0	0	0	0	0	0	0	0	0	35	65	0	0	0	0	0	0	0	100	0	
262	0.57	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100	0	0	0	
264	0.13	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	60	40	0	0	0	0	0	60	0	100	0	
267	0.34	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	100	0	
268	0.32	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100	0	100	0	
269	1.04	18	12	0	70	0	0	0	0	0	0	0	0	0	0	0	30	70	0	0	0	0	0	87	0	21	0	
271	0.12	0	1	0	99	0	0	0	0	0	0	0	0	0	0	51	1	99	0	0	0	0	0	49	0	1	49	
272	0.19	77	23	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	95	5	
273	1.47	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	100	
274	3.65	23	31	5	37	4	0	0	15	0	2	0	0	0	4	1	98	2	0	0	0	0	0	0	2	10	87	
275	1.44	56	21	0	0	23	0	0	1	0	1	0	2	0	14	0	100	0	0	0	0	0	0	0	0	4	71	
276	0.82	14	35	0	20	31	0	0	0	0	0	0	0	0	4	10	33	67	0	0	0	0	0	72	0	14	23	
280	1.97	52	18	11	20	0	0	0	5	0	0	0	0	0	1	5	92	8	0	0	0	0	0	4	0	11	84	
281	0.29	25	75	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	50	50	
282	1.03	18	54	6	22	0	0	0	3	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	6	94	
283	21.31	43	18	7	30	2	0	0	99	10	5	0	1	0	0	2	3	90	9	1	0	0	0	3	1	5	85	
284	0.41	20	80	0	0	0	0	0	0	0	0	0	0	0	0	0	20	80	0	0	0	0	0	80	0	80	20	
288	0.19	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100	0	100	0	
289	0.53	9	91	0	0	0	0	0	0	0	0	0	0	0	0	0	9	91	0	0	0	0	0	91	9	100	0	
290	0.85	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	99	1	0	0	0	0	0	0	99	100	0	
291	0.61	95	0	0	5	0	0	0	1	0	0	0	0	0	0	2	78	22	0	0	0	0	0	0	0	9	78	
292	0.54	0	1	0	99	0	0	0	0	0	0	0	0	0	0	0	99	1	0	0	0	0	0	100	0	0	0	
293	0.85	0	99	0	1	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	15	0	0	100	
294	1.60	0	91	0	9	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	100	0	40	0	
295	1.56	0	100	0	0	0	0	0	0	0	3	0	0	0	0	0	1	99	0	0	0	0	0	1	0	99	1	
295a	22.93	39	40	4	16	1	0	0	34	6	0	0	0	0	0	0	86	14	0	0	0	0	0	0	0	14	82	
296	2.57	62	16	0	13	0	4	5	0	0	0	2	0	0	0	0	87	13	0	0	0	0	0	85	0	66	26	
296a	10.24	57	28	10	5	0	0	0	1	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	0	97	

Table 4. Mathews County Shoreline Attributes - River Reach Data (Con't)

REACH NUMBER	REACH LENGTH SURVEYED (miles)	RIPARIAN LAND USE (% of reach length surveyed)							SHORELINE FEATURES								BANK (bank height and erosion status - (%))						BUFFER CONDITION				
		forest	scrub-shrub	grass	residential	commercial	bare	timbered	No. docks	No. boathouses	No. ramps	No. groinfields	No. marinas	No. bkptr*	No. jetties	% bulkhead	% riprap	0-5 ft		5-10 ft		>10 ft		BEACH PRESENT (% of reach length)		MARSH PRESENT (% of reach length)	
																		low	high	low	high	low	high	Eroding	Stable	Eroding	Stable
297	3.69	0	21	62	0	0	17	0	0	0	0	0	0	0	0	0	62	38	0	0	0	0	32	51	26	58	
298	1.57	17	0	0	73	0	10	10	0	0	0	0	0	0	1	10	100	0	0	0	0	0	0	2	0	100	
299	2.25	46	0	45	9	0	0	3	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100	
300	4.43	65	8	13	14	0	0	5	0	1	0	1	0	0	1	1	100	0	0	0	0	0	2	3	0	87	
301	0.71	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	67	0	0	100	
302	0.69	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	21	43	0	84	
303	6.20	42	0	0	58	0	0	27	1	4	0	1	0	0	2	10	100	0	0	0	0	0	5	0	0	80	
304	0.53	0	14	0	86	0	0	4	0	0	0	0	0	0	12	63	95	5	0	0	0	0	0	0	0	52	
305	0.91	23	10	0	67	0	0	7	3	0	0	0	0	0	6	2	85	15	0	0	0	0	0	0	0	84	
306	0.84	8	0	0	92	0	0	4	1	0	0	0	0	0	7	12	81	12	7	0	0	0	0	0	0	69	
307	11.58	19	0	1	79	1	0	77	19	3	1	1	0	0	6	8	87	12	1	0	0	0	0	1	0	73	
308	1.08	16	44	0	40	0	0	3	1	0	1	0	0	0	1	13	100	0	0	0	0	0	0	37	0	70	
309	2.43	19	27	0	46	8	0	22	6	1	0	1	0	0	3	5	100	0	0	0	0	0	0	0	0	73	
310	0.50	0	100	0	0	0	0	3	0	0	0	0	0	0	0	8	100	0	0	0	0	0	0	44	0	100	
311	0.76	9	50	0	41	0	0	4	0	0	0	0	0	0	0	44	85	15	0	0	0	0	15	24	32	41	
312	0.79	57	0	0	43	0	0	5	0	1	0	0	0	0	0	36	56	44	0	0	0	0	0	13	0	59	
313	0.48	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52	48	0	0	0	0	24	32	3	32	
314	3.09	41	1	0	53	5	0	28	3	4	0	0	0	0	8	4	92	8	0	0	0	0	0	5	4	75	
315	0.81	0	20	0	37	43	0	7	1	1	0	0	0	0	14	25	100	0	0	0	0	0	0	3	0	78	
316	1.21	0	19	1	55	25	0	18	2	1	0	2	0	0	9	32	100	0	0	0	0	0	0	0	0	51	
317	0.53	7	4	0	73	16	0	5	0	0	0	1	0	0	2	54	100	0	0	0	0	0	0	23	0	43	
318	2.09	11	29	0	56	4	0	17	0	0	0	2	0	0	2	21	100	0	0	0	0	0	0	0	5	65	
319	0.56	0	0	0	100	0	0	3	0	0	1	0	0	0	19	49	80	0	20	0	0	0	0	32	0	0	
319a	2.48	6	5	11	78	0	0	19	3	0	1	0	0	0	8	17	100	0	0	0	0	0	0	0	0	54	
320	0.33	0	0	0	100	0	0	1	0	0	0	0	0	0	0	72	100	0	0	0	0	0	0	0	0	38	
321	0.70	0	10	0	90	0	0	3	0	0	0	0	0	0	0	14	100	0	0	0	0	0	0	0	0	44	
322	0.38	0	97	0	3	0	0	1	0	0	0	0	0	0	0	12	100	0	0	0	0	0	0	25	0	75	
323	1.60	0	27	0	54	19	0	11	0	0	0	0	0	0	0	1	100	0	0	0	0	0	0	99	0	0	
324	1.01	0	100	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	100	0	0	
325	1.44	0	7	0	0	0	93	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	93	7	0	0	
326	4.89	4	15	0	74	7	0	39	0	0	6	0	0	0	10	21	99	0	1	0	0	0	15	41	0	0	
327	0.20	0	0	0	100	0	0	4	0	0	2	0	0	0	14	100	0	0	100	0	0	0	0	0	0	0	
15	0.25	57	0	23	20	0	0	0	1	0	0	0	0	0	0	0	43	0	30	0	20	7	7	63	0	93	
16	0.69	93	1	0	6	0	0	1	0	0	0	0	0	0	19	2	29	0	0	0	43	28	13	20	0	11	
17	0.42	69	8	0	23	0	0	2	0	0	1	0	0	0	5	11	11	0	0	0	89	0	0	42	0	42	
18	0.25	16	0	0	84	0	0	6	0	0	0	0	0	0	0	0	84	0	0	0	16	0	0	52	0	33	
19	0.49	50	0	0	50	0	0	2	0	0	0	0	0	0	0	18	6	0	0	0	94	0	0	24	0	36	
20	0.50	9	0	0	91	0	0	6	0	0	0	0	0	0	1	0	0	0	30	0	42	28	0	0	0	10	

Table 4. Mathews County Shoreline Attributes - River Reach Data (Con't)

REACH	BANK	BUFFER CONDITION
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REACH NUMBER	LENGTH SURVEYED (miles)	RIPARIAN LAND USE (% of reach length surveyed)							SHORELINE FEATURES								(bank height and erosion status - (%))						BEACH PRESENT (% of reach length)		MARSH PRESENT (% of reach length)		
		forest	scrub-shrub	grass	residential	commercial	bare	timbered	No. docks	No. boathouses	No. ramps	No. groinfields	No. marinas	No. bkwtr*	No. jetties	% bulkhead	% riprap	0-5 ft		5-10 ft		>10 ft		Eroding	Stable	Eroding	Stable
																		low	high	low	high	low	high				
21	0.24	58	3	0	39	0	0	0	1	1	0	0	0	0	0	44	3	0	0	0	97	0	0	0	0	0	3
22	0.18	0	13	0	87	0	0	0	2	1	0	0	0	0	43	18	29	0	26	0	45	0	0	0	0	0	39
23	0.22	0	0	0	100	0	0	0	3	0	0	0	0	0	0	50	100	0	0	0	0	0	0	0	0	0	27
24	0.50	18	31	0	51	0	0	0	2	0	0	0	0	0	0	43	100	0	0	0	0	0	0	17	0	31	
25	3.90	16	9	0	74	1	0	0	53	4	1	0	2	0	5	10	25	1	49	0	25	0	0	2	4	13	
26	0.72	18	24	0	58	0	0	0	3	0	0	0	0	0	9	49	28	0	46	0	19	7	4	14	0	28	
27	0.28	23	0	0	77	0	0	0	2	0	0	0	0	0	11	70	7	0	0	16	77	0	7	0	0	7	
28	0.67	32	0	0	68	0	0	0	6	1	0	0	0	0	0	41	22	0	14	0	55	9	0	0	0	0	
29	0.22	0	66	0	34	0	0	0	1	0	0	0	0	0	18	0	100	0	0	0	0	0	0	0	0	66	
32	1.42	33	0	0	67	0	0	0	9	2	0	0	0	0	20	35	28	0	58	6	8	0	0	0	0	29	
33	2.24	26	0	7	67	0	0	0	7	0	0	0	0	0	20	37	33	0	62	5	0	0	9	26	3	0	
34	1.21	27	4	14	55	0	0	0	6	0	2	1	0	0	23	41	77	9	0	14	0	0	9	39	0	15	
35	8.31	14	0	2	83	1	0	0	120	10	5	0	2	0	6	12	94	0	5	1	0	0	0	1	0	69	
36	0.20	0	0	0	100	0	0	0	1	0	0	0	0	0	0	24	100	0	0	0	0	0	0	28	0	100	
36a	1.24	33	0	16	51	0	0	0	7	0	0	0	0	1	0	0	100	0	0	0	0	0	0	0	0	100	
37	0.67	3	0	0	97	0	0	0	4	0	0	1	0	2	0	9	100	0	0	0	0	0	0	39	0	51	
38	0.43	0	0	0	100	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	0	0	0	100	
39	0.41	0	32	0	22	46	0	0	6	1	1	0	1	0	3	18	100	0	0	0	0	0	0	0	0	47	
40	0.16	0	0	0	0	100	0	0	0	0	0	0	1	0	0	0	100	0	0	0	0	0	0	0	0	0	
41	0.35	0	67	0	0	33	0	0	0	0	0	2	2	0	0	23	100	0	0	0	0	0	0	70	0	15	
42	1.79	4	2	30	64	0	0	0	12	0	0	7	0	1	0	58	44	0	56	0	0	0	0	18	0	0	
Total	281.53**	32.79	17.16	6.05	40.98	1.97	1.00	0.05	1239	119	61	23	26	10	2	2.77	6.46	86.47	9.1	2.61	0.4	1.25	0.17	4.93	4.85	10.38	65.74

* bkwtr = breakwater

** Total miles of shoreline surveyed for Mathews County - 42 miles of which were remote surveyed.

Table 5. Mathews County Shoreline Attributes - Plate Summary

PLATE NUMBER	TOTAL MILES SURVEYED	RIPARIAN LAND USE (miles)							SHORELINE FEATURES								BANK (bank height and erosion status - miles of shore)						BUFFER CONDITION				
		forest	scrub-shrub	grass	residential	commercial	bare	timbered	No. docks	No. boathouses	No. ramps	No. groinfields	No. marinas	No. bkwtr*	No. jetties	Miles of bulkhead	Miles of riprap	0-5 ft		5-10 ft		>10 ft		BEACH PRESENT (miles)		MARSH PRESENT (miles)	
																		low	high	low	high	low	high	Eroding	Stable	Eroding	Stable
1	8.02	2.31	0.73	0.00	4.93	0.05	0.00	0.00	79	8	1	1	2	0	0	0.46	1.24	2.51	0.03	2.43	0.00	2.70	0.35	0.11	0.86	0.17	1.77
2	5.39	1.74	0.26	0.00	3.39	0.00	0.00	0.00	43	4	0	0	0	0	2	0.71	1.38	1.38	0.00	2.64	0.13	1.13	0.12	0.05	0.73	0.00	0.75
3	11.22	1.67	0.05	0.47	8.98	0.04	0.00	0.00	145	10	9	1	2	2	0	0.96	2.11	9.85	0.11	0.91	0.34	0.00	0.00	0.30	0.76	0.06	6.48
4	15.65	3.06	1.51	0.85	8.72	1.50	0.00	0.00	120	10	8	8	7	2	0	0.97	3.50	14.38	0.82	0.23	0.22	0.00	0.00	0.11	1.74	0.22	9.17
5	6.87	0.40	0.46	0.42	5.51	0.09	0.00	0.00	67	1	0	10	2	1	0	0.84	1.75	5.63	0.00	1.24	0.00	0.00	0.00	0.00	1.94	0.00	1.27
6	11.68	1.72	4.10	0.31	3.53	0.67	1.34	0.00	33	1	0	2	0	0	0	0.24	1.40	11.20	0.48	0.00	0.00	0.00	0.00	2.51	3.97	0.92	3.39
7	17.76	3.00	1.67	0.06	12.67	0.35	0.00	0.00	111	29	2	2	2	0	0	1.02	1.91	15.90	1.70	0.15	0.00	0.00	0.00	0.32	0.72	0.00	12.59
8	18.34	6.17	1.61	0.06	10.49	0.00	0.00	0.00	89	12	6	1	1	0	0	0.47	1.63	17.91	0.30	0.12	0.00	0.00	0.00	1.01	1.14	0.00	14.98
9	15.16	5.77	1.47	3.93	2.95	0.00	0.91	0.14	22	1	2	0	2	0	0	0.14	0.26	13.24	1.91	0.00	0.00	0.00	0.00	2.63	2.08	2.40	11.36
10	13.35	6.98	4.78	1.04	0.55	0.00	0.00	0.00	1	0	0	2	0	0	0	0.00	0.00	11.66	1.69	0.00	0.00	0.00	0.00	1.63	0.00	2.25	10.61
11	18.14	5.98	8.10	0.91	3.15	0.00	0.00	0.00	23	0	1	0	0	0	0	0.00	0.06	13.24	4.90	0.00	0.00	0.00	0.00	1.35	0.00	4.24	12.43
12	23.82	9.79	7.93	1.07	4.68	0.34	0.00	0.00	69	13	4	0	0	0	0	0.45	0.34	21.25	2.57	0.00	0.00	0.00	0.00	2.25	1.10	2.99	18.41
13	20.13	8.60	4.83	2.20	3.41	1.09	0.00	0.00	45	4	7	0	7	0	0	0.55	0.28	18.67	1.46	0.00	0.00	0.00	0.00	0.67	0.07	3.16	13.09
14	8.72	2.30	4.07	0.09	1.58	0.11	0.57	0.00	7	0	0	0	3	0	0	0.00	0.18	5.36	3.36	0.00	0.00	0.00	0.00	1.92	0.00	5.36	1.64
15	19.63	8.08	2.72	2.54	6.11	0.18	0.00	0.00	60	4	4	0	1	0	0	0.16	0.28	18.53	0.94	0.17	0.00	0.00	0.00	0.33	0.05	0.35	15.16
16	13.37	3.00	2.10	0.98	6.99	0.30	0.00	0.00	71	2	0	0	0	1	0	0.06	0.80	13.37	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.98	6.60
17	25.32	6.35	3.31	0.39	14.27	1.00	0.00	0.00	120	16	4	0	2	1	0	0.58	1.48	24.93	0.25	0.14	0.00	0.00	0.00	0.00	0.15	0.18	20.06
18	19.94	4.49	0.94	1.37	13.03	0.11	0.00	0.00	122	14	4	0	1	0	0	0.65	0.99	16.52	2.59	0.40	0.43	0.00	0.00	0.00	0.02	2.09	15.09
19	16.84	5.40	0.70	1.51	9.23	0.00	0.00	0.00	88	10	6	0	0	1	0	0.24	0.52	11.10	5.00	0.24	0.50	0.00	0.00	0.00	0.02	6.48	8.68
20	11.63	5.07	2.03	0.92	3.61	0.00	0.00	0.00	16	4	1	0	0	0	0	0.09	0.48	11.57	0.06	0.00	0.00	0.00	0.00	0.00	0.04	0.00	10.35
21	15.20	8.16	0.34	0.27	6.19	0.26	0.00	0.00	49	2	4	0	1	5	0	0.11	0.87	14.93	0.28	0.00	0.00	0.00	0.00	0.00	0.24	0.00	12.93
22	12.87	6.88	0.45	0.75	4.79	0.00	0.00	0.00	63	5	4	0	0	0	0	0.33	0.26	12.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.35
23	2.62	1.14	0.36	0.18	0.93	0.00	0.00	0.00	19	0	1	0	0	0	0	0.02	0.00	2.56	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.56
Mathews Total	281.53**	92.30	48.32	17.04	115.36	5.55	2.82	0.14	1239	119	61	23	26	10	2	7.80	18.18	243.43	25.62	7.36	1.12	3.53	0.47	13.87	13.65	29.23	185.09

* bkwtr = Breakwater

** Total miles of surveyed shoreline for Mathews County - 42 miles of which where remotely surveyed.