

Table 4. Queen Anne's County, Maryland Shoreline Attributes - Riparian Land Use and Bank and Buffer Conditions - Plate Summary

PLATE NUMBER	TOTAL MILES SURVEYED											BANK (bank height and erosion status - miles of shore)												BANK COVER (miles)			BUFFER CONDITION (miles)			
		agriculture	bare	commercial	forest	grass	industrial	paved	residential	scrub-shrub	0-5 ft			5-10 ft			10-30 ft			>30 ft			BANK COVER			BEACH PRESENT		MARSH PRESENT		
											low	high	undercut	low	high	undercut	low	high	undercut	low	high	undercut	bare	partial	full	eroding	stable	eroding	stable	
1	3.19	0.04	0.00	0.00	0.91	0.15	0.00	0.13	1.60	0.37	2.23	0.00	0.00	0.77	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.20	2.99	0.00	0.00	0.00	1.43	
2	4.13	0.00	0.00	0.00	1.70	0.00	0.00	0.07	2.23	0.13	3.25	0.00	0.00	0.56	0.10	0.00	0.14	0.08	0.00	0.00	0.00	0.00	0.17	0.14	3.82	0.00	0.00	0.31	2.82	
3	3.63	1.38	0.00	0.00	0.62	0.00	0.00	0.00	1.11	0.51	3.28	0.02	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	3.48	0.00	0.09	0.10	2.04	
4	4.93	0.80	0.00	0.00	0.39	0.02	0.00	0.00	3.46	0.26	4.21	0.00	0.00	0.49	0.00	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.13	4.80	0.07	0.26	0.01	1.43	
5	4.04	0.44	0.00	0.03	0.61	0.31	0.00	0.02	1.82	0.81	3.54	0.00	0.00	0.22	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.07	3.98	0.00	0.92	0.00	1.67	
6	7.24	1.15	0.00	0.33	2.53	0.97	0.00	0.00	0.87	1.39	5.17	0.14	0.00	0.73	0.33	0.00	0.40	0.47	0.00	0.00	0.00	0.00	0.32	0.55	6.36	0.31	1.66	0.00	3.51	
7	9.13	0.19	0.00	0.00	5.14	1.05	0.00	0.09	0.46	2.19	8.26	0.00	0.00	0.35	0.00	0.00	0.52	0.00	0.00	0.00	0.00	0.00	0.00	0.07	9.06	0.00	0.00	0.00	7.54	
8	9.14	0.40	0.00	0.15	6.04	0.42	0.00	0.05	0.51	1.56	7.29	0.09	0.00	0.52	0.39	0.00	0.72	0.13	0.00	0.00	0.00	0.00	0.35	0.56	8.23	0.00	0.23	0.02	6.24	
9	4.09	0.50	0.00	0.11	0.49	1.14	0.00	0.00	0.05	1.80	3.38	0.00	0.00	0.25	0.05	0.00	0.18	0.23	0.00	0.00	0.00	0.00	0.38	3.68	0.28	1.08	0.00	1.97		
10	3.86	0.70	0.00	0.00	0.04	0.80	0.00	0.00	0.25	2.07	3.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.86	0.00	0.28	0.00	3.09		
11	7.46	2.88	0.00	0.00	1.26	0.55	0.00	0.00	1.41	1.35	6.34	0.16	0.00	0.68	0.09	0.00	0.06	0.13	0.00	0.00	0.00	0.25	0.46	6.75	0.16	2.84	0.13	3.20		
12	6.58	3.20	0.00	0.00	1.10	0.44	0.00	0.00	1.74	0.10	4.07	0.04	0.00	1.37	0.10	0.00	0.88	0.13	0.00	0.00	0.00	0.20	0.88	5.49	0.00	0.99	0.07	3.21		
13	6.48	1.17	0.00	0.00	1.29	0.63	0.00	0.20	2.86	0.33	3.89	0.00	0.00	1.12	0.00	0.00	1.39	0.02	0.00	0.06	0.00	0.02	0.94	5.52	0.00	0.33	0.11	3.46		
14	7.75	1.08	0.00	0.09	1.20	1.05	0.00	0.00	1.39	2.94	7.06	0.06	0.00	0.61	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.12	7.55	0.00	1.38	0.00	4.90		
15	7.05	1.68	0.00	0.05	1.21	0.86	0.00	0.00	1.93	1.31	5.79	0.00	0.00	1.04	0.13	0.00	0.03	0.05	0.00	0.00	0.00	0.24	0.00	6.81	0.00	0.32	0.00	4.69		
16	12.04	1.88	0.00	0.00	3.40	1.76	0.00	0.00	0.83	4.17	11.28	0.41	0.00	0.29	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.00	11.32	0.14	1.62	0.00	8.61		
17	11.13	1.96	0.00	0.00	2.85	2.63	0.00	0.00	0.70	2.98	8.87	0.46	0.03	0.95	0.14	0.00	0.06	0.61	0.00	0.00	0.00	1.36	0.03	9.73	0.73	1.17	0.08	6.01		
18	5.26	0.00	0.00	0.00	0.97	1.50	0.00	0.02	0.68	2.09	4.10	0.00	0.00	0.35	0.08	0.00	0.50	0.23	0.00	0.00	0.00	0.45	0.12	4.69	0.09	1.54	0.00	1.60		
19	11.82	0.00	0.00	0.40	1.33	1.32	0.00	0.33	5.38	3.08	11.52	0.00	0.00	0.17	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.02	11.60	0.15	0.44	0.00	4.80		
20	17.22	0.62	0.07	3.56	2.67	0.84	0.00	0.93	3.28	5.25	16.67	0.11	0.08	0.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.12	17.03	0.06	0.51	1.13	8.26		
21	4.21	0.00	0.00	0.23	0.20	0.72	0.00	0.00	1.72	1.35	3.67	0.00	0.00	0.54	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	4.21	0.00	0.20	0.00	1.08		
22	5.68	0.13	0.00	0.00	0.44	1.72	0.37	0.00	2.18	0.84	2.26	0.08	0.07	1.93	0.00	0.03	1.17	0.10	0.04	0.00	0.00	0.33	0.24	5.11	0.04	0.50	0.00	0.79		
23	4.21	0.06	0.00	1.09	1.20	0.52	0.00	0.73	0.39	0.22	3.00	0.00	0.04	0.98	0.00	0.09	0.07	0.00	0.04	0.00	0.00	0.23	0.04	3.95	1.10	0.40	0.00	0.00		
24	7.63	0.13	0.00	1.17	1.56	0.35	0.00	0.60	2.84	0.98	5.23	0.02	0.19	0.90	0.00	0.00	1.28	0.00	0.00	0.00	0.00	0.02	0.02	7.59	0.04	0.27	0.61	1.48		
25	3.98	0.17	0.00	0.00	0.58	0.28	0.00	0.01	2.75	0.19	3.26	0.25	0.11	0.26	0.00	0.00	0.09	0.00	0.00	0.00	0.00	0.02	0.20	3.77	0.79	0.00	0.07	1.34		
26	11.61	0.72	0.00	0.86	1.47	1.33	0.00	0.04	6.49	0.70	8.84	0.93	0.42	0.47	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.02	0.87	10.71	0.19	1.08	1.19	3.54		
27	6.80	0.00	0.00	0.26	0.86	0.35	0.00	0.11	4.47	0.75	5.57	0.18	0.06	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	6.67	0.07	1.14	0.80	1.32			
28	9.14	0.78	0.00	0.26	1.21	0.86	0.00	0.00	4.99	1.05	7.78	0.31	0.30	0.68	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.61	8.53	0.00	2.02	1.14	2.94			
29	4.74	0.04	0.00	0.54	0.51	0.86	0.00	0.00	2.13	0.64	3.55	0.18	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	4.56	0.00	1.29	0.30	0.11			
30	9.21	0.64	0.00	0.00	0.45	1.94	0.00	0.04	4.82	1.33	7.70	0.23	0.76	0.43	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.19	9.02	0.00	0.49	0.75	4.08			
31	14.00	1.21	0.00	0.00	4.96	0.91	0.00	0.08	2.32	4.52	12.73	0.67	0.33	0.21	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.13	13.90	0.09	0.15	3.79	7.65			
32	9.84	1.63	0.00	0.00	0.90	0.06	0.00	0.50	4.75	2.00	9.14	0.57	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	9.51	0.00	0.04	1.13	6.84			
33	14.64	3.08	0.00	0.48	2.16	1.02	0.00	0.35	4.90	2.66	13.44	0.18	0.37	0.61	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.54	14.10	0.03	0.10	0.96	9.33			
34	7.21	0.21	0.00	0.00	0.27	0.59	0.00	0.18	4.37	1.59	5.64	0.07	0.00	1.38	0.00	0.00	0.11	0.00	0.00	0.00	0.02	0.03	7.16	0.00	0.73	0.79	2.38			
35	7.60	0.82	0.00	0.00	0.79	0.39	0.00	0.01	2.97	2.62	6.17	0.29	0.31	0.21	0.16	0.00	0.10	0.35	0.00	0.00	0.98	0.13	6.48	0.07	0.29	1.41	1.77			
36	15.65	4.86	0.00	0.06	4.81	0.26	0.00	0.06	4.02	1.59	13.83	1.14	0.67	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.19	1.62	13.84	0.33	0.33	3.79	8.36			
37	8.80	0.04	0.00	0.00	6.81	0.10	0.00	0.03	0.22	1.61	8.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.80	0.07	0.12	0.00	7.80			
38	7.19	0.53	0.00	0.06	2.04	1.55	0.00	0.00	1.70	1.31	6.93	0.11	0.00	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.00	6.99	0.24	0.06	0.00	3.88			
39	19.36	2.74	0.00	0.00	1.97	2.28	0.00	0.13	10.47	1.77	16.23	0.17	0.00	2.68	0.11	0.08	0.03	0.06	0.00	0.00	0.29	0.44	18.63	0.14	0.52	0.47	8.40			
40	11.74	5.99	0.00	0.00	0.95	0.87	0.00	0.05	3.12	0.77	10.43	0.70	0.00	0.52	0.10	0.00	0.00	0.00	0.00	0.00	0.82	0.32	10.60	0.15	0.75	0.00	5.08			

Table 4. Queen Anne's County, Maryland Shoreline Attributes - Riparian Land Use and Bank and Buffer Conditions - Plate Summary (Con't)

PLATE NUMBER	TOTAL MILES SURVEYED	LAND USE									BANK												BANK COVER			BUFFER CONDITION			
											(bank height and erosion status - miles of shore)												(miles)			BEACH PRESENT (miles)		MARSH PRESENT (miles)	
											0-5 ft			5-10 ft			10-30 ft			>30 ft			bare	partial	full	eroding	stable	eroding	stable
41	7.92	3.21	0.00	0.00	0.43	0.45	0.00	0.00	3.34	0.49	6.89	0.47	0.00	0.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	0.21	7.24	0.05	1.13	0.00	3.33
42	11.86	8.65	0.00	0.00	2.55	0.08	0.00	0.00	0.44	0.14	8.82	0.62	0.04	1.61	0.66	0.04	0.07	0.00	0.00	0.00	0.00	0.00	0.49	2.12	9.26	0.00	0.08	0.85	6.16
43	11.53	7.35	0.00	0.00	2.40	0.00	0.00	0.01	1.23	0.54	6.22	1.18	0.23	1.43	1.37	0.00	0.54	0.56	0.00	0.00	0.00	0.00	0.27	4.07	7.20	0.00	0.44	0.06	6.96
44	1.85	0.97	0.00	0.00	0.27	0.00	0.00	0.00	0.60	0.00	0.41	0.00	0.00	0.69	0.00	0.00	0.62	0.12	0.00	0.00	0.00	0.00	0.03	0.95	0.87	0.00	0.00	0.00	0.92
45	14.70	7.03	0.00	0.00	3.46	0.42	0.00	0.15	3.14	0.51	12.34	0.17	0.00	1.55	0.59	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.34	1.22	13.13	0.00	0.55	0.36	7.90
46	15.22	4.38	0.00	0.00	1.27	0.33	0.00	0.30	8.34	0.59	12.58	0.02	0.00	2.34	0.05	0.06	0.16	0.00	0.00	0.00	0.00	0.00	0.07	2.12	13.02	0.00	0.17	0.22	7.39
47	10.08	1.55	0.00	0.00	1.02	0.00	0.00	0.23	7.19	0.09	7.90	0.00	0.04	2.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.76	9.26	0.00	0.00	0.34	4.97
Total*	339.42	62.18	0.07	7.91	70.94	30.30	0.37	4.08	108.28	55.29	279.88	8.21	3.28	30.71	4.20	0.27	9.99	3.01	0.04	0.06	0.00	0.00	7.35	19.65	312.67	4.84	23.72	16.78	163.21

* Total Shoreline Miles: 406.25 (Maryland DNR, 1994)

Table 5. Queen Anne's County, Maryland Shoreline Attributes - Shoreline Features - Plate Summary

PLATE NUMBER	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 riprap	Miles of wharf	
1	3.19	22	0	0	0	0	0	0	0	0	0	0	0	0.03	0.00	0.17	0.00	0.10	0.00
2	4.13	10	2	0	0	2	0	0	0	0	0	0	0	0.00	0.00	0.38	0.00	0.21	0.00
3	3.63	18	1	0	2	0	0	0	0	0	0	0	0	0.00	0.05	0.24	0.00	0.07	0.00
4	4.93	74	1	2	11	0	1	1	0	0	0	0	0	0.03	0.11	1.25	0.00	0.39	0.00
5	4.04	45	0	0	3	0	0	1	1	0	0	0	0	0.09	0.00	0.53	0.00	0.20	0.00
6	7.24	14	0	0	1	0	0	2	1	1	0	0	0	0.08	0.00	0.17	0.07	0.06	0.11
7	9.13	4	0	1	0	1	0	0	0	0	0	0	0	0.00	0.03	0.03	0.00	0.20	0.03
8	9.14	9	2	0	0	0	0	0	0	1	0	0	0	0.05	0.01	0.02	0.01	0.01	0.00
9	4.09	5	0	0	1	0	0	1	0	0	0	0	0	0.00	0.00	0.02	0.00	0.85	0.00
10	3.86	5	0	0	0	0	0	0	0	0	0	0	0	0.10	0.00	0.00	0.00	0.25	0.00
11	7.46	11	1	0	2	0	0	2	0	0	0	0	0	0.00	0.46	0.13	0.00	0.95	0.00
12	6.58	14	1	1	0	0	0	0	0	0	0	1	0	0.00	0.03	0.33	0.00	0.50	0.00
13	6.48	42	3	3	1	1	0	0	2	0	0	1	0	0.00	0.15	0.49	0.08	0.63	0.00
14	7.75	27	0	0	6	0	0	2	0	0	0	0	0	0.08	0.16	0.40	0.05	1.23	0.00
15	7.05	47	1	0	4	0	0	1	0	0	0	0	0	0.00	0.03	0.35	0.00	0.68	0.00
16	12.04	9	1	0	5	0	0	1	0	0	0	0	0	0.02	0.01	0.30	0.00	0.50	0.00
17	11.13	9	1	0	1	0	0	1	0	0	0	0	0	0.07	0.00	0.39	0.00	0.65	0.00
18	5.26	9	0	1	3	0	0	0	1	0	0	0	0	0.06	0.00	0.19	0.00	0.85	0.00
19	11.82	178	2	1	38	0	2	2	0	2	1	0	0	0.05	0.02	3.27	0.10	1.74	0.00
20	17.22	33	3	0	5	3	7	0	3	8	0	2	0	0.05	0.00	1.42	0.05	1.80	0.09
21	4.21	8	4	0	2	0	2	1	1	2	4	0	0	0.00	1.08	0.50	0.17	0.73	0.00
22	5.68	25	2	0	6	0	1	4	0	0	0	1	0	0.00	0.06	0.76	0.21	3.23	0.15
23	4.21	2	0	0	0	0	0	2	0	1	2	3	0	0.07	0.00	0.40	0.11	1.11	0.00
24	7.63	82	0	0	4	1	3	4	0	2	4	3	0	0.07	0.00	1.76	0.09	1.83	0.00
25	3.98	50	1	0	2	0	0	4	0	0	0	1	0	0.01	0.00	0.79	0.01	1.75	0.00
26	11.61	144	5	0	13	1	7	2	2	2	4	1	0	0.13	0.04	2.41	0.08	3.39	0.02
27	6.80	127	16	0	25	0	11	5	2	0	4	2	0	0.12	0.02	1.82	0.04	2.26	0.03
28	9.14	73	2	0	4	0	4	3	2	0	2	1	0	0.02	0.00	1.21	0.01	3.38	0.00
29	4.74	32	0	0	2	0	0	3	1	0	3	0	0	0.00	0.00	0.97	0.00	2.30	0.00
30	9.21	102	0	0	7	1	0	2	0	0	0	0	0	0.26	0.00	1.52	0.01	2.79	0.02
31	14.00	41	0	6	6	0	3	1	0	0	0	1	0	0.19	0.04	0.89	0.04	1.13	0.00
32	9.84	130	2	4	4	1	2	2	1	0	0	0	0	0.25	0.01	0.89	0.03	1.43	0.06
33	14.64	110	1	5	12	1	7	0	1	2	1	1	0	0.17	0.01	2.16	0.19	1.92	0.12
34	7.21	75	2	1	2	0	0	3	0	0	1	1	0	0.06	0.00	0.39	0.12	4.09	0.00
35	7.60	61	1	0	2	0	1	2	0	0	2	0	0	0.00	0.00	1.46	0.01	1.83	0.00
36	15.65	74	1	1	7	1	0	2	0	0	0	0	0	0.02	0.00	1.48	0.09	1.17	0.08
37	8.80	2	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.06	0.00	0.16	0.00
38	7.19	51	0	1	5	0	1	1	0	0	0	0	0	0.00	0.00	0.36	0.08	1.14	0.00
39	19.36	212	2	2	24	0	11	4	2	0	3	1	0	0.01	0.00	4.74	0.12	4.43	0.00
40	11.74	29	1	0	7	0	1	1	1	0	0	0	0	0.02	0.00	0.40	0.00	3.14	0.00
41	7.92	22	1	0	9	0	0	4	0	0	0	0	0	0.02	0.00	0.25	0.00	3.20	0.00
42	11.86	3	0	0	1	0	1	0	0	0	0	0	0	0.05	0.00	0.05	0.00	0.20	0.00

Table 5. Queen Anne's County, Maryland Shoreline Attributes - Shoreline Features - Plate Summary (Con't)

PLATE NUMBER	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 debri	Miles of unconventional	Miles of bulkhead	Miles of dilapidated bulkhead	Miles of riprap	Miles of wharf		
43	11.53	8	0	1	1	0	0	0	0	0	0	0	0	0.05	0.00	0.27	0.00	0.17	0.00	
44	1.85	5	0	0	0	0	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
45	14.70	23	1	0	2	0	0	0	0	0	0	0	0	0.00	0.00	0.55	0.00	1.22	0.00	0.00
46	15.22	111	2	2	10	0	1	3	1	0	0	0	0	0.00	0.13	1.47	0.00	3.11	0.00	0.00
47	10.08	122	0	4	12	0	0	0	0	0	0	1	0	0.00	0.00	1.49	0.00	1.62	0.00	0.00
Total*	339.42	1983	55	29	211	11	57	58	19	16	26	17	1.63	2.40	32.95	1.49	54.97	0.62	0.00	0.00

* Total Shoreline Miles: 406.25 (Maryland DNR, 1994)

Table 6. Queen Anne's County, Maryland Shoreline Attributes - *Phragmites australis* and Survey Dates.

PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)	PLATE NUMBER	TOTAL MILES SURVEYED	FIELD SURVEY DATES	PHRAGMITES (miles)
1	3.19	6/22/04	0.19	17	11.13	7/21/04	1.63	33	14.64	6/30/04, 7/01/04, 7/20/04	3.94
2	4.13	6/22/04	0.43	18	5.26	7/21/04	1.38	34	7.21	7/1/04, 7/20/04	1.43
3	3.63	6/22/04	1.45	19	11.82	7/20-22/04	3.13	35	7.60	7/2/04, 7/20/04	1.52
4	4.93	6/22/04	1.09	20	17.22	7/2,19,20,22/04	5.30	36	15.65	7/2/04, 7/20/04	9.32
5	4.04	6/22/04, 8/10/04	0.67	21	4.21	7/19/04	0.60	37	8.80	7/22/04	7.00
6	7.24	8/10/04	1.73	22	5.68	6/28/04, 7/19/04	0.25	38	7.19	7/22/04	1.83
7	9.13	8/10/04	2.88	23	4.21	6/28/04	1.86	39	19.36	7/22/04, 8/3,4/04	2.02
8	9.14	8/10/04	1.12	24	7.63	6/28/04, 6/30/04	3.53	40	11.74	7/22/04, 8/3/04	2.59
9	4.09	8/10/04	2.08	25	3.98	6/29,30/04	1.16	41	7.92	7/22/04, 8/3/04	1.54
10	3.86	8/10/04	3.02	26	11.61	6/29,30/04	4.28	42	11.86	6/21/04, 8/3/04	1.84
11	7.46	8/2/04, 8/10/04	2.03	27	6.80	6/29,30/04, 7/1/04	2.10	43	11.53	6/21/04	3.36
12	6.58	8/2/04	1.66	28	9.14	6/30/04, 7/1/04	2.87	44	1.85	6/21/04	0.59
13	6.48	8/2/04	2.53	29	4.74	6/30/04, 7/1/04	1.21	45	14.70	6/21/04, 8/3,4/04	3.96
14	7.75	7/21/04, 8/2/04	2.82	30	9.21	6/29/04	3.97	46	15.22	8/3,4/04	3.20
15	7.05	7/21/04	1.86	31	14.00	6/29,30/04, 7/1/04	10.49	47	10.08	8/4/04	1.27
16	12.04	7/21/04	4.35	32	9.84	6/29,30/04, 7/1/04	5.85				

Total Shoreline Miles: 406.25 (Maryland DNR, 1994)