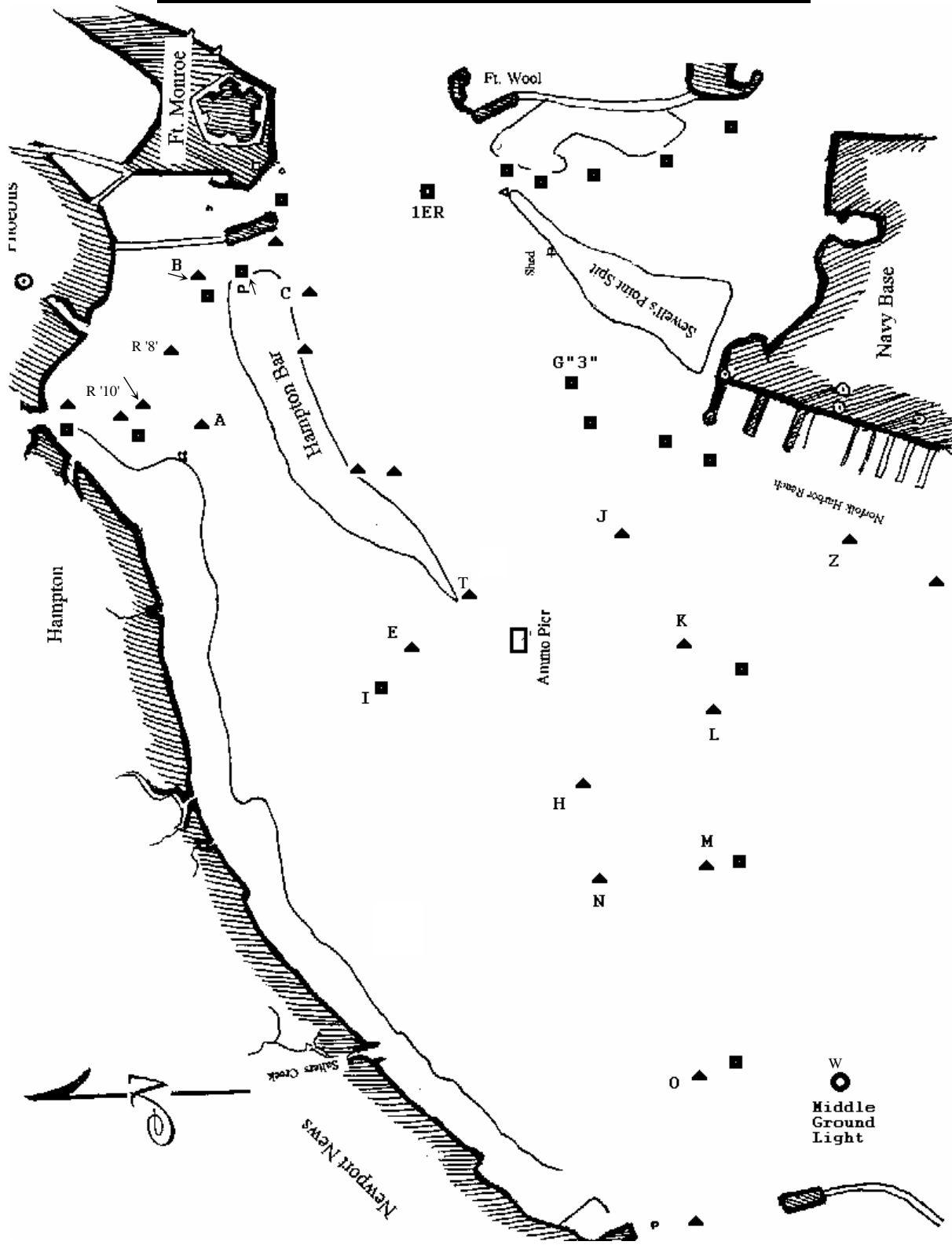


HAMPTON FLATS MARK LOCATIONS



HAMPTON FLATS MARK LOCATIONS



HAMPTON ROADS MARK LOCATIONS

(Used only for races held in Hampton Roads)

<u>CCV MARKS</u>	<u>ID and Location</u>	<u>LOCATION</u>
A	Daymark R "4" (Hampton Creek)	37:00.18 N 76:20.28 W
B	Q Red 15 ft "6" (W of Bridge Tunnel)	37:00.24 N 76:19.45 W
C	Red Nun "14" (Hampton Bar)	36:59.77 N 76:19.40 W
E	Fl Red 2.5s 15 ft 4 M "2" (W of Hampton Bar)	36:59.03 N 76:21.37 W
H	R Nun "20" (W of Ammo Loading Pier)	36:58.13 N 76:22.03 W
I	Daymark G "1" (W of Hampton Bar)	36:59.12 N 76:21.60 W
J	Fl Red 4s R "2" (Near Aircraft Carriers)	36:58.12 N 76:20.47 W
K	Q R R "4" (S of Ammo Loading Pier)	36:57.70 N 76:21.10 W
N	R Nun "22" (W of Ammo Loading Pier)	36:57.97 N 76:22.57 W
O	Fl Red 4s R "10" (Near MM Tunnel Opening)	36:57.36 N 76:23.60 W
P	Daymark G "5" (W of Bridge Tunnel)	37:00.10 N 76:19.39 W
T	Daymark R "18" (Near Ammo Loading Pier)	36:58.78 N 76:21.07 W
W	ISO 6 s 52 ft 9M (Middle Ground Light)	36:56.71 N 76:23.48 W
Z	Fl Red 2.5s R "8" (Norfolk Harbor Reach)	36:57.03 N 76:20.37 W

<u>FIXED MARKS</u>	<u>ID and Location</u>	<u>LOCATION</u>
1ER	Q G Gong "1ER" (NE of Ft Wool)	36:59.29 N 76:18.66 W
G3	Fl G 2.5 s Bell G "3" (Sewells Point Spit)	36:58.43 N 76:19.75 W
R8	Daymark R "8" (Hampton Creek)	37:00.36 N 76:19.85 W
R10	Daymark R "10" (Hampton Creek)	37:00.47 N 76:20.22 W
YC B	Yellow Can "B" (James R off NN)	36:57.47 N 76:26.13 W

Mark R "8" was new in 2003, and R "10" and Yellow Can "B" were new in 2004.

Appendix Twelve: Hampton Flats Courses

Hampton Bar Mark Matrix

To ⇒																				
From ↓	A	R10	R8	B	C	T	E	H	I	J	K	N	O	P	W	Z	G3	1ER	YC B	
A		20° .29	73° .39	95° .67	130° .81	214° 1.53	227° 1.44	223° 2.48	235° 1.49	194° 2.06	204° 2.57	229° 2.87	232° 3.87	106° .71	227° 4.32	190° 3.15	176° 1.79	135° 1.55	251° 5.40	
R10	210° .29		121° .32	121° .67	148° .96	213° 1.83	223° 1.71	223° 2.76	230° 1.75	197° 2.37	205° 2.86	228° 3.12	232° 4.13	130° .76	225° 4.58	193° 3.45	180° 2.08	144° 1.72	248° 5.60	
R8	253° .39	301° .32		121° .34	159° .69	222° 1.86	233° 1.81	229° 2.84	239° 1.87	204° 2.31	211° 2.85	234° 3.23	236° 4.25	136° .45	229° 4.67	198° 3.36	188° 1.94	149° 1.43	251° 5.80	
B	275° .67	301° .67	301° .34		185° .47	232° 1.95	242° 1.95	233° 2.95	247° 2.05	211° 2.27	216° 2.86	237° 3.37	238° 4.40	171° .16	233° 4.79	202° 3.29	198° 1.82	158° 1.13	253° 6.05	
C	310° .81	328° .96	339° .69	5° .47		243° 1.66	255° 1.74	241° 2.67	260° 1.87	217° 1.85	222° 2.48	244° 3.11	243° 4.13	11° .33	238° 4.48	205° 2.85	202° 1.37	141° .74	257° 5.85	
T	34° 1.53	33° 1.83	42° 1.86	52° 1.95	63° 1.66		326° .34	239° 1.01	319° 1.54	154° .81	190° 1.08	245° 1.45	244° 2.47	56° 1.88	234° 2.83	171° 1.84	118° 1.11	85° 1.96	263° 4.26	
E	47° 1.44	43° 1.71	53° 1.81	62° 1.95	75° 1.74	146° .34		219° 1.04	306° .20	152° 1.16	180° 1.35	231° 1.43	236° 2.44	66° 1.91	227° 2.88	167° 2.15	125° 1.43	93° 2.15	258° 4.12	
H	43° 2.48	43° 2.76	49° 2.84	53° 2.95	61° 2.67	59° 1.01	39° 1.04		28° 1.05	99° 1.25	129° .86	259° .46	247° 1.47	56° 2.89	230° 1.84	139° 1.72	91° 1.85	77° 2.90	269° 3.35	
I	55° 1.49	50° 1.75	59° 1.87	67° 2.05	80° 1.87	139° .54	126° .20	208° 1.05		148° 1.34	173° 1.48	223° 1.39	231° 2.38	71° 2.02	223° 2.85	164° 2.31	125° 1.63	96° 2.32	256° 3.99	
J	14° 2.06	17° 2.37	24° 2.31	31° 2.27	37° 1.85	334° .81	332° 1.16	279° 1.25	328° 1.34		239° .66	274° 1.69	262° 2.62	34° 2.15	250° 2.75	185° 1.09	72° .65	61° 1.83	272° 4.53	
K	24° 2.57	25° 2.86	31° 2.85	36° 2.86	42° 2.48	10° 1.08	000° 1.35	309° .86	353° 1.48	59° .66		292° 1.21	269° 2.03	39° 2.76	253° 2.15	148° .89	66° 1.30	61° 2.48	277° 4.04	
N	49° 2.87	48° 3.12	54° 3.23	57° 3.37	64° 3.11	65° 1.45	51° 1.43	79° .46	43° 1.39	94° 1.69	112° 1.21		242° 1.03	59° 3.32	219° 1.48	127° 2.00	88° 2.30	77° 3.36	270° 2.88	
O	52° 3.87	52° 4.13	56° 4.25	58° 4.40	63° 4.13	64° 2.47	56° 2.44	67° 1.47	51° 2.38	82° 2.62	89° 2.03	62° 1.03		60° 4.34	182° .66	106° 2.60	81° 3.26	74° 4.36	284° 2.03	
P	286° .71	310° .76	316° .45	351° .16	191° .33	236° 1.88	246° 1.91	236° 2.89	251° 2.02	214° 2.15	219° 2.76	239° 3.32	240° 4.34		235° 4.72	203° 3.17	200° 1.69	156° .99	255° 6.00	
W	47° 4.32	45° 4.58	49° 4.67	53° 4.79	57° 4.48	57° 2.83	47° 2.88	50° 1.84	43° 2.85	70° 2.75	73° 2.15	39° 1.48	2° .66	55° 4.72		93° 2.51	71° 3.45	67° 4.65	300° 2.26	
Z	10° 3.15	13° 3.45	18° 3.36	22° 3.29	25° 2.85	351° 1.84	347° 2.15	319° 1.72	344° 2.31	5° 1.09	328° .89	307° 2.00	286° 2.60	23° 3.17	273° 2.51		30° 1.48	41° 2.61	286° 4.64	
G3	356° 1.79	0° 2.08	8° 1.94	18° 1.82	22° 1.37	298° 1.11	305° 1.43	271° 1.85	305° 1.63	252° .65	246° 1.30	268° 2.30	261° 3.26	20° 1.69	251° 3.45	210° 1.48		55° 1.19	270° 5.2	
1ER	315° 1.55	324° 1.72	329° 1.43	338° 1.13	321° .74	265° 1.96	273° 2.15	257° 2.90	276° 2.32	241° 1.83	241° 2.48	257° 3.30	254° 4.36	336° .99	247° 4.65	221° 2.61	235° 1.19		264° 6.25	
YC B	071° 5.40	068° 5.60	071° 5.80	073° 6.05	077° 5.85	083° 4.26	078° 4.12	089° 3.35	076° 3.99	092° 4.53	097° 4.04	090° 2.88	104° 2.03	075° 6.00	120° 2.26	106° 4.64	090° 5.2	084° 6.25		
	A	R10	R8	B	C	T	E	H	I	J	K	N	O	P	W	Z	G3	1ER	YC B	

Appendix Twelve: Hampton Flats Courses

Courses on the Hampton Bar

Wind From	Course	Marks	Length
North Wind		(335° - 025°)	<i>(Leave all marks to Starboard)</i>
1A	A - R10 - B - P - C - J - E - A		5.90 NM
1B	A - R10 - B - P - C - K - E - A		6.72 NM
ALT 1B	A - R10 - B - P - C - K - I - A		6.90 NM
1D	A - R10 - B - P - C - K - I - K - I - A		9.81 NM
Northeast Wind		(020° - 070°)	<i>(Leave all marks to starboard)</i>
2A	A - R8 - B - P - C - J - E - A		5.67 NM
2B	A - R8 - B - P - C - H - A		6.37 NM
2C	A - R8 - B - P - C - N - A		7.20 NM
2D	A - R8 - B - P - C - O - A		9.22 NM
East Wind		(065° - 115°)	
3A	<i>(Leave all marks to Port)</i> A - E - T - 1ER - P - B - A		5.55 NM
3B	A - B(s) - P(s) - C(s) - T(p) - 1ER(p) - P(p) - B(p) - A		6.58 NM
3C	<i>(Leave all marks to Port)</i> A - N - G3 - P - B - A		7.68 NM
3D	A - B(s) - P(s) - C(s) - N(p) - G3(p) - P(p) - B(p) - A		9.07 NM
3E	A - B(s) - P(s) - C(s) - N(p) - G3(p) - 1ER(p) - P(p) - B(p) - A		9.56 NM
Southeast Wind		(110° - 160°)	<i>(Except as marked, leave all marks to Port)</i>
4A	A - E - T - G3 - C - P - B - A		5.41 NM
ALT 4A	A - H - Z - I(s) - A		5.69 NM
4B	A - E - T - J - T(s) - E - T - G3 - C - P - B - A		7.71 NM
4C	A - H - Z - E - T - G3 - C - P - B - A		10.31 NM
4D	A - H - Z - H - Z - I(s) - A		11.44 NM

Appendix Twelve: Hampton Flats Courses

Courses on the Hampton Bar

<u>Wind From</u>	<u>Course</u>	<u>Marks</u>	<u>Length</u>
South Wind		(155° - 205°) <i>(Leave all marks to Port)</i>	
5A	A - E - J - C - P - B - A		5.60 NM
5B	A - E - Z - C - P - B - A	7.59 NM	
5C	A - E - K - E - J - C - P - B - A		8.30 NM
Southwest Wind		(200° - 250°) <i>(Leave all marks to Port)</i>	
6A	A - E - T - C - P - B - A	4.59 NM	
6B	A - H - C - P - B - A		6.30 NM
ALT 6B	A - N - C - P - B - A		7.13 NM
6D	A - E - T - C - P - B - A (same as 6A, but two laps)		9.18 NM
ALT 6D	A - O - C - P - B - A		9.15 NM
West Wind		(245° - 295°) <i>(Except as marked, leave all marks to Starboard)</i>	
7A	A - R10 - B - P - 1ER - T - E - A		5.85 NM
7B	A - R10 - B - P - 1ER - T - C(p) - P(p) - B(p) - A		6.89 NM
ALT 7B	A - R10 - B - P - C - G3 - H - A		7.15 NM
7C	A - R10 - B - P - C - G3 - N - A		7.99 NM
7D	A - R10 - B - P - C - G3 - O - A		9.95 NM
Northwest Wind		(290° - 340°) <i>(Except as marked, leave all marks to Starboard)</i>	
8A	A - R10 - B - P - C - G3 - T - E - A		5.71 NM
8B	A - R10 - B - P - C - G3 - T - E(p) - T(p) - J - T - E - A		8.01 NM
8C	A - R10 - B - P - C - Z - H - A		8.50 NM
8D	A - E(p) - Z - H - J(p) - T - I - A		9.40 NM
ALT 8D	A - R10 - B - P - C - G3 - T - E - Z - H - A		10.62 NM