**Checked Waypoints from Severn River to San Domingo Creek**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| # | Description | Latitude | longitude | Distance to next point nm/  Total nm | Elapsed time at 4 knots | Elapsed time at  5 knots | Elapsed time at  6 knots | Magnetic  Course to  Next waypoint | Chart no. & Whether checked against  Coast Guard list |
| 0 | Port Annap. Marina |  |  | .8/.8 | 12min | 10min | 8min | ~80°M | 12270 |
| 1 | Green 5 | 38° 58’ 17” N | 76° 27’ 45” W | 2.5/3.3 | 38min | 30min | 25min | 147°M | 12270 |
| 2 | Red 2 | 38° 56’ 30” N | 76° 25’ 31” W | 3.7/7.0 | 56min | 44min | 37min | 164°M | 12270 |
| 3 | Red “86” Fl R 4s | 38° 51’ 56” N | 76° 23’ 32” W | 4.5/11.5 | 68min | 54min | 45min | 203°M | 12270 |
| 4 | Red “84A” Fl R 2.5s | 38° 47’ 35” N | 76° 24’ 45” W | 4.5/16 | 68min | 54min | 45min | 200°M | 12270√ |
| 5 | Red “84” Fl R 4s | 38° 45’ 28” N | 76° 25’ 10” W | 2.2/18.2 | 33min | 25min | 21min | 194°M | 12270√ |
| 6 | Red “82” Fl R 4s | 38° 42’ 05” N | 76° 25’ 20” W | 3.4/21.6 | 51min | 41min | 34min | 187°M | 12266√ |
| 7 | RN “80A” | 38° 39’ 49” N | 76° 22’ 58” W | 2.7/24.3 | 40min | 32min | 27min | 136°M | 12266√ |
| 8 | G “7”Fl G 4s | 38° 38’ 17” N | 76° 20’ 13” W | 1.6/25.9 | 24min | 19min | 16min | 082°M | 12266 |
| 9 | R 10 Fl R 2.5s | 38° 38’ 52” N | 76° 18’ 18” W | 1.4/27.3 | 21min | 17min | 14min | 110°M | 12266 |
| 10 | R 12 Fl R 4s | 38° 38’ 50” N | 76° 16’ 34” W | 3.0/30.3 | 45min | 36min | 30min | 036°M | 12266 |
| 11 | Fl G 4s 15ft 4M “1B” | 38° 40’ 43” N | 76° 14’ 58” W | 1.1/31.4 | 17min | 13min | 11min | 348°M | 12266 |
| 12 | RN “2” | 38° 42’ 38” N | 76° 16’ 33” W | 1.9/33.3 | 29min | 23min | 19min | 030°M | 12266 |
| 13 | Fl R 4s 15ft 4M “4” | 38° 44’ 28” N | 76° 14’ 42” W | .5/33.8 | 8min | 6min | 5min | 028°M | 12266 |
| 14 | G “5” | 38° 44’ 40” N | 76° 14’ 38” W | .3/34.1 | 5min | 4min | 3min | 098°M | 12266√ |
| 15 | R “6” | 38° 44’ 42” N | 76° 14’ 14” W | .3/34.4 | 5min | 4min | 3min | 100°M | 12266√ |
| 16 | R “2EC” | 38° 44’ 43” N | 76° 13’ 49” W | .3/34.7 | 5min | 4min | 3min | 102°M | 12266√ |
| 17 | G “3” | 38° 44’ 42” N | 76° 13’ 30” W | .5/35.2 | 8min | 6min | 5min | 003°M | 12266√ |
| 18 | R “2SD” | 38° 45’ 15” N | 76° 13’ 36” W | .1/35.3 | 2min | 1min | 1min | 010°M | 12266√ |
| 19 | G “3” | 38° 45’ 23” N | 76° 13’ 38” W | .4/35.7 | 6min | 5min | 4min | 356°M | 12266√ |
| 20 | R “4” | 38° 45’ 44” N | 76° 13’ 45” W | .3/36 | 5min | 4min | 3min | 036°M | 12266√ |
| 21 | R “6” | 38° 46’ 01” N | 76° 13’ 38” W | .2/36.2 | 3min | 2min | 2min | 340°M | 12266√ |
| 22 | RaftUpLoc | 38° 46’ 04” N | 76° 13’ 43” W |  |  |  |  |  | 12266 |
|  | totals |  |  | 36.2 nm | 549 mins | 434  mins | 361  mins |  |  |
|  |  |  |  |  | =9:09 | =7:14 | =6:01 |  |  |

**Checked Waypoints from San Domingo Creek to Oxford Brewer Marina**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| # | Description | Latitude | longitude | Distance to next point nm/  Total nm | Elapsed time at 4 knots | Elapsed time at  5 knots | Elapsed time at  6 knots | Magnetic  Course to  Next waypoint | Chart no. & Whether checked against  Coast Guard list |
| 0 | RaftUpLoc | 38° 46’ 04” N | 76° 13’ 43” W | .2/.2 | 3min | 2min | 2min | 160 | 12266 |
| 1 | R “6” | 38° 46’ 01” N | 76° 13’ 38” W | .2/.4 | 3min | 2min | 2min | 160°M | 12266√ |
| 2 | R “4” | 38° 45’ 44” N | 76° 13’ 45” W | .3/.7 | 5min | 4min | 3min | 216°M | 12266√ |
| 3 | G “3” | 38° 45’ 23” N | 76° 13’ 38” W | .4/1.1 | 6min | 5min | 4min | 176°M | 12266√ |
| 4 | R “2SD” | 38° 45’ 15” N | 76° 13’ 36” W | .1/1.2 | 2min | 1min | 1min | 190°M | 12266√ |
| 5 | G “3” | 38° 44’ 42” N | 76° 13’ 30” W | .5/1.7 | 8min | 6min | 5min | 183°M | 12266√ |
| 6 | R “2EC” | 38° 44’ 43” N | 76° 13’ 49” W | .3/2.0 | 5min | 4min | 3min | 282°M | 12266√ |
| 7 | R “6” | 38° 44’ 42” N | 76° 14’ 10” W | .3/2.3 | 5min | 4min | 3min | 280°M | 12266√ |
| 8 | G “5” | 38° 44’ 40” N | 76° 14’ 38” W | .3/2.6 | 5min | 4min | 3min | 278°M | 12266√ |
| 9 | Fl R 4s 15ft 4M “4” | 38° 44’ 28” N | 76° 14’ 42” W | .5/3.1 | 8min | 6min | 5min | 208°M | 12266 |
| 10 | RN “2” | 38° 42’ 38” N | 76° 16’ 33” W | 1.9/5.0 | 29min | 23min | 19min | 210°M | 12266 |
| 11 | Fl G 4s 15ft 4M “1B” | 38° 40’ 36” N | 76° 14’ 58” W | 2.3/7.3 | 17min | 13min | 11min | 168°M | 12266 |
| 12 | R”12A”QR | 38° 39’ 15” N | 76° 13’ 49” W | 2.1/9.4 | 32min | 25min | 21min | 103°M | 12266 |
| 13 | Fl 4s 35ft 7M | 38° 39’ 15” N | 76° 10’ 04” W | 2.3/11.7 | 35min | 28min | 23min | 17°M | 12266 |
| 14 | R “2” Fl R 4s | 38° 41’ 15” N | 76° 10’ 40” W | .6/12.3 | 9min | 7min | 6min | 62°M | 12266 |
| 15 | R “4” | 38° 41’ 57” N | 76° 10’ 06” W | Enter Channel |  |  |  |  | 12266 |
|  | totals |  |  | 12.3 nm | 162  mins | 134  mins | 111  mins |  |  |
|  |  |  |  |  | =2:42 | =2:14 | =1:51 |  |  |

**Checked Waypoints from Oxford to Annapolis Charter Marina**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| # | Description | Latitude | longitude | Distance to next point nm/  Total nm | Elapsed time at 4 knots | Elapsed time at  5 knots | Elapsed time at  6 knots | Magnetic  Course to  Next waypoint | Chart no. & Whether checked against  Coast Guard list |
| 0 | R “4” | 38° 41’ 57” N | 76° 10’ 06” W | Marker near Marina |  |  |  |  | 12266 |
| 1 | R “2” Fl R 2s | 38° 41’ 15” N | 76° 10’ 40” W | .6/.6 | 9min | 7 min | 6min | 242°M | 12266 |
| 2 | Fl 4s 35ft 7M | 38° 39’ 15” N | 76° 10’ 04” W | 2.3/2.9 | 35min | 28 min | 23min | 197°M | 12266 |
| 3 | R”12A”QR | 38° 39’ 15” N | 76° 13’ 49” W | 2.1/5 | 32min | 25 min | 21min | 2833°M | 12266 |
| 4 | R 12 Fl R4s | 38° 38’ 15” N | 76° 15’ 34” W | 2.2/7.2 | 33min | 26 min | 22min | 266°M | 12266 |
| 5 | R 10 Fl R 2.5s | 38° 38’ 15” N | 76° 18’ 18” W | 1.4/8.6 | 21min | 17min | 14min | 279°M | 12266 |
| 6 | G “7” Fl G 4s | 38° 38’ 17” N | 76° 20’ 13” W | 2.7/11.3 | 40min | 32min | 27min | 317M | 12266 |
| 7 | RN “80A” | 38° 39’ 49” N | 76° 23’ 58” W | 2.9/14.2 | 44min | 35min | 29min | 303M | 12266 |
| 8 | Red “82” Fl R 4s | 38° 42’ 05” N | 76° 25’ 20” W | 3.4/17.6 | 51min | 41min | 34min | 007°M | 12266√ |
| 9 | Red “84” Fl R 4s | 38° 45’ 28” N | 76° 25’ 10” W | 2.2/19.8 | 33min | 25min | 21min | 014°M | 12266√ |
| 10 | Red “84A” Fl R 2.5s | 38° 47’ 35” N | 76° 24’ 45” W | 4.5/24.3 | 68min | 54min | 45min | 20°M | 12266√ |
| 11 | Red “86” Fl R 4s | 38° 52’ 56” N | 76° 23’ 32” W | 4.5/28.8 | 68min | 54min | 45min | 23°M | 12270√ |
| 12 | Red 2 | 38° 56’ 30” N | 76° 25’ 31” W | 3.7/32.5 | 56min | 44min | 37min | 344°M | 12270 |
| 13 | Green 5 | 38° 58’ 17” N | 76° 27’ 45” W | 2.5/35 | 38min | 30min | 25min | 327°M | 12270 |
| 14 | Charter Marina |  |  | .8/35.8 | 12min | 10min | 8min | ~260°M | 12270 |
|  | totals |  |  | 35.8 nm | 540  mins | 428  mins | 357  mins |  |  |
|  |  |  |  |  | =9:00 | =7:08 | =5:57 |  |  |

List of Coast Guard Navigational Waypoints:

<https://www.navcen.uscg.gov/pdf/lightLists/weeklyUpdates/v2d05WeeklyChanges.pdf>

Weather trends for Easton Maryland:

https://weatherspark.com/m/21690/6/Average-Weather-in-June-in-Easton-Maryland-United-States#Sections-Wind