

**Block Island Sound
Chart 13205TR**

Deviation Table

Heading Magnetic	Deviation	Heading Magnetic	Deviation	Heading Magnetic	Deviation
000°	2°E	120°	1°E	240°	3°W
030°	3°E	150°	1°W	270°	1.5°W
060°	4°E	180°	2°W	300°	0°
090°	2°E	210°	3.5°W	330°	1.5°E

USE 15°W VARIATION FOR ALL PROBLEMS

1. Montauk Point Light is 168 ft. above what reference level?
 - a. mean low water
 - b. mean tide level
 - c. ground level
 - d. mean high water

2. The trapezoidal shaped areas enclosed by a thin broken magenta line, located along the south coast of Long Island are.....
 - a. designated training areas for Navy amphibious craft
 - b. disposal areas for unexploded munitions
 - c. fish trap areas
 - d. anchorages areas for small craft

3. If your height of eye is 35 ft., what is the approximate geographic range of Block Island North Light?
 - a. 7.4 nm
 - b. 13.0 nm
 - c. 14.3 nm
 - d. 15.8 nm

4. If you were to head into Fishers Island Sound, which of the following charts would you switch to for better detail of Mystic and Mystic Harbor?
 - a. 13209
 - b. 13212
 - c. 13213
 - d. 13214

5. At 1930 your position is $41^{\circ}12.7'N$ and $071^{\circ}56.8'W$. What type of bottom is at this position?
- blue mud, gritty shells
 - buried mussels, gritty shells
 - blue mud, gray sand
 - bumpy muck with grainy surface
6. Block Island is.....
- surrounded by wide sandy beaches
 - a low, marshy land
 - hilly with elevations to 200ft.
 - a national bird sanctuary
7. Passage between Great Gull island and Plum Island.....
- is subject to weak and variable tidal currents
 - is covered by Western Rivers Rules
 - uncovered at extreme low water and should be avoided by larger vessels
 - shows a whirlpool at max ebb current when accompanied by NW gales
8. Which chart would you use if you planned to continue westward beyond the coverage of this chart?
- 13205
 - 12353 & 12354
 - 12216 & 12217
 - 13116
9. Great Salt Pond on Block Island is.....
- entered through a dredged cut
 - not accessible in easterly gales
 - available for vessels up to a maximum draft of 8 ft.
 - not affected by the tide
10. You consider anchoring in the vicinity of the Gardiners Point Ruins approximately one mile off the north end of Gardiners Island. What is the minimum recommended distance from the Ruins for fishing, trawling, or anchoring?
- 300 yards
 - 1.0 mile
 - 0.5 mile
 - no distance is prescribed, since any such activities in the area are prohibited
11. NOAA-VHF-FM weather broadcasts from New London, CT are on
- 162.25 MHz
 - 162.30 MHz
 - 162.40 MHz
 - 162.55 MHz

12. Point Judith Harbor of Refuge.....
- is used mostly by towing vessels
 - has a maximum depth of 14 ft at MHW
 - West Gap has a controlling depth of 24 ft.
 - is entered through the East Gap or the West Gap
13. The coast line between Point Judith and Watch Hill is.....
- marked by waterfalls from the highland ponds
 - low and marshy
 - sandy and broken by rocky points
 - heavily forested
14. The two wavy magenta lines running to Green Hill Point represent.....
- recommended approaches to Green Hill Point
 - submarine cables
 - prohibited fishing areas
 - fish trap areas
15. In clear weather, you will lose sight of Point Judith Light at what distance?
- 14.0 miles
 - 12.6 miles
 - 10.3 miles
 - 9.2 miles
16. Determine the course PSC from Cerberus Shoal Buoy #9 to the entrance to Quonochontaug Pond.
- 030° psc
 - 036° psc
 - 059° psc
 - 067° psc
17. At 1016 your loran position is 41°07.6'N and 071°38.5'W. At 1116 your position is 41°01.4'N and 071°29.4'W. What was the course made good between the two positions?
- 132°T
 - 135°T
 - 140°T
 - 143°T
18. At 1014 you depart the entrance to Lake Montauk with light #1 close aboard. Your course is 066° psc and the speed is 8.6 knots. At 1232 your position is 41°20.0'N and 071°40.0'W. What is the speed made good?
- 8.2 knots
 - 8.5 knots
 - 8.9 knots
 - 9.2 knots

19. You are 3 miles due east of Montauk Point Light. What is the course PMC to a position 0.5 miles due south of Race rock Light?
- 324°PMC
 - 329°PMC
 - 335°PMC
 - 339°PMC
20. At 1048 you are in the entrance to Great Salt Pond on Block Island with buoy #5 close aboard. What is your ETA at the West Gap of Point Judith Harbor of Refuge if you make good 11.3 knots?
- 1144
 - 1154
 - 1159
 - 1205
21. Your position is 41°08.2'N and 071°34.4'W at 1523. You are turning for 8.7 knots. What is your ETA at Shagwong Reef Buoy 7SR?
- 1653
 - 1700
 - 1711
 - 1718
22. At 1347 your position is 41°15.2'N and 071°50.1'W. You are turning for 6.9 knots. What is your ETA at Shagwong Reef Buoy 7SR?
- 1506
 - 1515
 - 1521
 - 1527
23. At 2300 you position is 41°16.9'N and 071°38.2'W. You are turning for 9.3 knots. What is your ETA at the entrance to Great Salt Pond on Block Island?
- 2355
 - 0005
 - 0012
 - 0019
24. You are on course 137° psc when you take the following bearings:
- | | |
|------------------------|---------|
| Watch Hill Point Light | 051°psc |
| Montauk Point Light | 184°psc |
| Race Rock Light | 279°psc |
- What is your position?
- 41°15.2'N and 071°54.4'W
 - 41°15.1'N and 071°53.8'W
 - 41°15.1'N and 071°54.9'W
 - 41°15.0'N and 071°53.7'W

25. You are on course 157° MC when you take the following bearings:

Little Gull Island Light	277°PMC
Race Rock Light	301° PMC
Latimer Reef Light	028° PMC

What is your position?

- a. 41°13.5'N and 071°57.9'W
- b. 41°13.5'N and 071°57.4'W
- c. 41°13.6'N and 071°57.0'W
- d. 41°13.6'N and 071°57.8'W

26. You are on course 282° psc when you take the following bearings:

Point Judith Light	073° psc
Block Island North Light	156° psc
Watch Hill Point Light	293° psc

What is your position?

- a. 41°17.0'N and 071°38.2'W
- b. 41°17.4'N and 071°39.1'W
- c. 41°17.6'N and 071°38.7'W
- d. 41°17.9'N and 071°37.8'W

27. You are on course 298° psc when you take the following bearings:

Block Island Southeast Point Light	058° psc
Block Island Aero Beacon	005° psc
Montauk Point Light	268° psc

What is your position?

- a. 41°08.3'N and 071°35.0'W
- b. 41°08.2'N and 071°34.4'W
- c. 41°08.1'N and 071°33.8'W
- d. 41°08.0'N and 071°34.1'W

28. You are on course 302° psc when you sight BI Southeast Point Light in line with the BI Aero Beacon bearing 323° psc. Based on this you know.....

- a. the deviation table is correct for that heading
- b. the deviation is 15 E
- c. should swing your vessel to check the deviation table
- d. the deviation is equal to the variation

29. You sight North dumpling Island Light in line with Latimer reef Light bearing 095° PMC. If your vessel was heading 056° PMC at the time, which of the following is true?

- a. you should subtract 15°W compass error for bearings of 095°
- b. the deviation table is correct for all bearings of 095°
- c. the vessel should be swung, and the deviation table checked
- d. the compass error is 19°W for all headings

30. You are on course when you sight BI Southeast Point Light in line with the BI Aero Beacon bearing 319° PMC. Based on this you know the deviation is.....

- a. 4° W
- b. 2° E
- c. 4° E
- d. 2° W

31. You sight North Dumpling Island Light in line with Latimer Reef Light, bearing 091° psc. If your vessel was heading 246° psc at the time, which of the following is true?

- a. the deviation table is correct
- b. the compass error is 15° W for that heading
- c. the deviation is equal to the variation
- d. the deviation is equal to but of opposite sign to the variation

32. At 1516 your position is $41^\circ 11.3'N$ and $072^\circ 48.6'W$. You are on a course of 300° PMC at 9.4 knots. At 1600 your position is $41^\circ 14.0'N$ and $071^\circ 58.1'W$. What were the set and drift?

- a. 1423° T at 1.9 knots
- b. 153° T at 1.4 knots
- c. 332° T at 1.5 knots
- d. 347° T at 1.1 knots

33. At 0947 your position is $41^\circ 15.9'N$ and $071^\circ 41.7'W$. You are on course 182° psc at 11.3 knots. At 1020 your position is $41^\circ 09.2'N$ & $071^\circ 40.6'W$. What were the set & drift?

- a. 211° T at 1.0 knots
- b. 219° T at 2.0 knot
- c. 058° T at 1.8 knot
- d. 043° T at 1.1 knot

34. At 0726 you depart Lake Montauk with light #1 close aboard and set course 065° psc at 6.7 knots. At 0912 your loran position is $41^\circ 10.5'N$ and $071^\circ 46.6'W$. What is the current?

- a. 151° T at 1.2 knots
- b. 164° T at 0.7 knot
- c. 227° T at 0.9 knot
- d. 240° T at 1.4 knot

35. At 0726 you depart lake Montauk with light #1 close aboard and set course 310.5° psc at 7.6 knots. At 0812 your loran position is $41^\circ 08.1'N$ and $072^\circ 03.7'W$. What is the current?

- a. 151° T at 1.0 knot
- b. 164° T at 0.7 knot
- c. 334° T at 1.4 knots
- d. 321° T at 0.8 knot

36. What is the true course to steer between the entrance to Lake Montauk and Watch Hill Point Light if you are turning for 12 knots and allow for a current of $085^{\circ}T$ at 2 knots?

- a. $006^{\circ}T$
- b. $027^{\circ}T$
- c. $029^{\circ}T$
- d. $033^{\circ}T$

37. What is the true course to steer between the entrance to Great Salt Pond and the entrance to Quonochonauug Pond if you are turning for 8.5 knots and allow for a current of $247^{\circ}T$ at 1.2 knots?

- a. $314^{\circ}T$
- b. $320^{\circ}T$
- c. $340^{\circ}T$
- d. $332^{\circ}T$

38. What is the true course to steer between the entrance to Quonochontaug Pond and the entrance to Great Salt Pond if you are turning for 7.5 knots, allowing for a current of $047^{\circ}T$ at 1.2 knots?

- a. $159^{\circ}T$
- b. $154^{\circ}T$
- c. $144^{\circ}T$
- d. $140^{\circ}T$

39. Your position is 3 miles due east of Montauk Point Light. What is the true course to steer to arrive 1 mile due south of BI Southeast Point Light, if you are turning for 6.8 knots, and the current is $330^{\circ}T$ at 1.2 knots?

- a. $262^{\circ}T$
- b. $082^{\circ}T$
- c. $026^{\circ}T$
- d. $274^{\circ}T$

40. What is the true course to steer between the entrance to Winnapaug Pond and the entrance to lake Montauk if you are turning for 8.5 knots, allowing for a current of $095^{\circ}T$ at 0.9 knot, and an easterly wind is causing 3° of leeway?

- a. $200^{\circ}T$
- b. $208^{\circ}T$
- c. $211^{\circ}T$
- d. $214^{\circ}T$

41. Your position is 3 miles due east of Montauk Point Light. What is the course to steer to arrive at $41^{\circ}00.0'N$ and $072^{\circ}30.0'W$ if you are turning for 7.8 knots, the current is $130^{\circ}T$ at 1.2 knots, and a southerly wind causes 3° of leeway?

- a. $112^{\circ}T$
- b. $108^{\circ}T$
- c. $105^{\circ}T$
- d. $102^{\circ}T$

**Block Island Sound
Chart #13205TR
Answer Key**

- | | | |
|-------|--------|-------|
| 1. d | 20. a | 39. b |
| 2. c | 21. c | 40. c |
| 3. d | 22. a | 41. b |
| 4. d | 23. b | |
| 5. c | 24. a | |
| 6. c | 25. b | |
| 7. c | 26. a. | |
| 8. b | 27. b | |
| 9. a | 28. a | |
| 10. a | 29. c | |
| 11. d | 30. c | |
| 12. d | 31. b | |
| 13. c | 32. c | |
| 14. b | 33. b | |
| 15. a | 34. d | |
| 16. c | 35. c | |
| 17. a | 36. a | |
| 18. b | 37. d | |
| 19. a | 38. b | |