

January 3, 2015

Errata
"Coastal Navigation & Piloting"
dated January 2013

Page 5-2, top line: Replace the words "during the previous" with "at the end of the"

Page 6-24, question 13: change "starboard bow" to "port bow" in two places.

Page 9-2: Delete questions 22, 23 and 24 regarding Loran.

Pages 9-3 to 9-6: replace with the attached new pages 9-3 to 9-6

Page 10-15, second line from bottom: Delete the words "This is a Danger Bearing,"

Appendix page M-3 answer to Chapter 6 Homework question 21: Change "101 ft 22M" to "67 ft 17M"

Appendix page M-6 answer to Chapter 13 question 20: Change 1141 EST to 1041 EST

Errata
"Solutions to Navigation Questions"
dated January 2013

Page 2-3, question 2-13: Change answer to "Point Judith Harbor: Scale 1: 15,000"

Page 6-2, question 13: change "starboard bow" to "port bow" in two places.

Page 6-23, question 6-22 second line: Replace the words "Appendix page C-37" with "Fig 6-7 on page 6-5 in the text"

Page 9-2: Delete questions 22, 23 and 24 regarding Loran.

Pages 9-3 to 9-6: replace with the attached new pages 9-3 to 9-6

Page 13-22, second line from bottom: Add "EST" after "1041 hours/minutes"

Errata
"DVD Solutions to Navigation Questions"

Disk 2, time mark 25:57 to 26:22... Change audio:

- From: "If we take our present position, and we draw a line between our position and that silo, that is the danger bearing that we're going to use to guide us in. So let me take that point that I put in there and the silo and draw a line between the two."
- To: "Plot a line from the silo on Sachuest Point in a southeasterly direction tangent to the 30 foot depth contour at Schuyler Ledge; this is our danger bearing"

#	Question	Answer
29	What is the nature of the seabed within the 60 foot depth contour at East Ground about 4.5 nm east of Block Island Old Harbor Point?	Rocky
30	What is the water depth at the intersection of Loran TDs 9960-W-14485 and 9960-Y-43885?	120 feet
31	Which large scale NOAA chart applies to the Hog Island Channel approach to the Cape Cod Canal?	NOAA 13236
32	What is the COLREGS DEMARCATION LINE drawn across to entrance to the Sakonnet River?	
33	What does abbreviation "PA" mean? See Lat 41°11.9'N & Long 71°21.8'W	Position Approximate
34	What is the level of Extreme Low Water at Point Judith?	2.5 feet below the chart datum
35	What is the range of magnetic variation shown on this chart?	15°00'W in SW to 15°15'W in SE to 15°30'W in NE in 1985; all with 3'W annual increase
36	Where are traffic signals maintained along Cape Cod Canal?	Wings Neck, Buzzards Bay and the Cape Cod entrance to the Canal.
37	What is the date of survey and depth of the Hog Island Channel?	March 1962; 31.8 to 32.0 feet
38	What is the navigational significance of the GR Qk FI G Bell Buoy at approx Lat 41°34.0'N & Long 70°52.5'W?	Channel Junction buoy; preferred channel is to the east of this buoy.
39	What is the "Spoil Area" at Approx Lat 41°34.0'N & Long 70°50.0'W?	An area where dredged mud is pumped into; depths are uncertain.
40	Is the Gay Head Light obscured in any sector? If so, what is causing this?	Obscured from 342° to 359° True by Nomans Land

Answer the following questions based on review on the April 2013 edition of NOAA Chart #1 using the symbols that apply to US waters:

#	pg	Sect	Question	Answer
1	7	front	What other US Gov't Pubs should be used in reading & interpreting nautical charts?	Chart INT#1, Pub 9 Bowditch, Tide & Current Tables, USCG Light List, NGA List of Lights, US Coast Pilots, NGA Sailing Directions & NGA website http://msi.nga.mil/NGAPortal/MSI.portal
2	6	front	What two datums are used to represent shorelines on charts?	MHW in areas affected by tidal fluctuations; MWL in confined coastal areas of diminished tidal influence.
3	6	front	What is "Apparent Shoreline" and when is it used on charts?	Apparent Shoreline is used on charts to show the outer edge of marine vegetation where that limit would reasonably appear as shoreline to the mariner or where it prevents the shoreline from being clearly defined.

<u>#</u>	<u>pg</u>	<u>Sect</u>	<u>Question</u>	<u>Answer</u>
4	6	front	Which IALA Buoyage system is used in US waters?	B
5	7	front	Where can corrections to this Chart #1 be found?	USCG Weekly Notices to Mariners & NGA website http://msi.nga.mil/NGAPortal/MSI.portal
6	6 64	front	Where can a description of Traffic Separation Schemes be found?	International Maritime Organization (IMO) publication "Ships Routing" (see IMO website http://www.imo.org). Traffic separation schemes are shown on charts of scales 1:600,000 & larger. See also Section M.
7	8	front	Name the column titles used in the tables of Chart #1	IHO#, INT1 image, Description, NOAA image, NGA image, other NGA image, ECDIS image, ECDIS description
8	12	B7 E2	What symbols are used for "Position Approximate" and "Position Doubtful" ?	PA & PD on NOAA Charts (PA) and (PD) on NGA Charts
9	13	B45	What symbols are used for "Nautical Mile"?	M, Mi, NMi & NM
10	15	B71	What does the following symbol mean? 1°W(3'E)	Variation = 1° West with an annual decrease of 3' East.
11	16	B82.1 B82.2	What symbols are used for "Local Magnetic Anomaly"?	Either an enclosed area with a number showing the amount of deviation from normal variation OR a statement such as "Local Magnetic Disturbance (see Note)"
12	16	B	How many Supplementary National Symbols are included in Section B?	14 lettered from a to n
13	17	C	What cross reference sections are cited in Section C?	I & J
14	25	D-c	What symbol is used for an Abandoned Railroad	A series of dashes with a single vertical cross hatch through the center of each dash; See item D-c
15	25	D-d	What symbol is used for Bridge Construction?	A series of 'equal signs' (= = =) highlighted in magenta.
16	27	E4	What symbol is used for Height of a structure above the plane of reference for heights?	Number in brackets, eg: (30). See E4
17	27	E5	What symbol is used for Height of a structure above ground level?	Number in brackets with a line above it. See E5
18	32	F6.1	What symbol is used for a Groin (always dry) ?	A black line projecting from the land into the water labeled "Groin"
19	32	F6.2	What symbol is used for a Groin (intertidal) ?	A black line projecting from the land into the water with dashes continuing for the submerged part labeled "Groin"
20	32	F6.3	What symbol is used for a Groin? (always under water)	A black dashed line projecting from the land into the water labeled "Groin"
21	37	F-b	What symbol is used for a submerged jetty?	Dashed black lines of the outline of the jetty.
22	38	H8	What does symbol "MLWS" mean?	Mean Low Water Springs

#	pg	Sect	Question	Answer
23	38	H6	What does symbol "MSL" mean?	Mean Sea Level
24	39 43	H20 I15	What does "Drying Height" mean?	Height of land which is dry above the water level chart datum but submerged at higher levels.
25	40	H40	What is the symbol for Flood Current & Rate?	An arrow with feathers on one side of the shaft and a point and a number signifying speed such as "3.0 kn"
26	40	H41	What is the symbol for Ebb Current & Rate?	An arrow with a point and no feathers and a number signifying speed such as "2.8 kn"
27	41	H-m	What is the symbol for General Current & Rate?	An arrow with feathers on both sides of the shaft and a point and a number signifying speed such as "2 kn"
28	41	H-t	What is a "Current Diagram" or "Rotary Current Diagram"?	A diagram used in open water areas with up to 12 radial arrows showing current strength and direction for each hour of the tide cycle.
29	42	I1	What does the symbol "ED" mean?	Existence doubtful
30	42	I2	What does the symbol "SD" mean?	Sounding doubtful
31	42	I3.1	What does the symbol "Rep" mean?	Reported but not confirmed
32	42	I3.2	What does the symbol "Rep (1983)" mean?	Reported with year of report but not confirmed
33	43	I11	What does the symbol "(23)" mean?	Sounding out of position
34	44 51	I24, K2	What does a depth number with an underline bracket mean?	Depth at chart datum to which an area has been swept by wire drag.
35	46	I30	What are Depth Contours?	Lines drawn on chart connecting points of equal depth; similar to topographic maps showing elevation.
36	46	I-b	What does a purple or green colored area signify?	Swept area, not adequately sounded.
37	47	J13.2	What is the symbol for kelp or seaweed?	A figure of branches in black color and a written label
38	51 56	K12, K-a	What is the symbol for a rock awash at the level of the chart datum?	A plus sign with dots in each corner, or the same symbol encircled by a dotted line
39	52	K13	What is the symbol for a dangerous underwater rock at unknown depth?	A plus sign, or a plus sign encircled by a dotted line
40	53	K24	What is the symbol for a wreck showing any portion of hull or superstructure at level of chart datum	Image of a black, partly sunk ship with a single mast showing.
41	54	K28	What is the symbol for a dangerous wreck, depth unknown?	A horizontal line with three cross hatch lines encircled by a dotted ellipse and shaded in blue.
42	55	K43.2	What are the symbols for a submerged pile, stake, snag, well, deadhead or stump?	Small circular dot with a descriptive title.

<u>#</u>	<u>pg</u>	<u>Sect</u>	<u>Question</u>	<u>Answer</u>
43	59	L13	What is the symbol for an observation or research platform	A small square, either with a dot in the center or filled with black color and with a name label.
44	60	L30.1	What is the symbol for a submarine cable?	A sinusoidal shaped line of purple color
45	60	L40.1	What is the symbol for an oil or gas pipeline?	A series of dashes with a dot at one end of each dash.
46	63	M10	What is the symbol for an established (mandatory) direction of traffic flow?	A purple, two-dimensional arrow
47	65	M27.3	What is the symbol for a deep water route centerline	A purple line with direction arrow heads and the letters "DW".
48	69	N1.1	What is the symbol for a maritime limit in general usually implying Permanent Obstructions	A black dashed line
49	69	N1.2	What is the symbol for a maritime limit in general usually implying no permanent obstructions	A purple dashed line
50	73	N40	What is the symbol for an international boundary on land?	A series of black plus signs or a broken, black line with one long and two short dashes.
51	75	N-a	What is the symbol for a COLREGS DEMARCATION LINE?	A purple dashed line
52	75	N-a	What is a COLREGS DEMARCATION LINE?	A line separating Inland and International Navigation Rules in accordance with the 1972 Convention on the International Regulations for Preventing Collisions at Sea
53	76	P1	What is the symbol for a navigational light, whether a major or minor light or a lighthouse?	A black dot with a purple tear drop
54	77	P10.2	Give an example of the symbol for a composite group-occluding light?	Oc(2+3)
55	78	P11.8	What is the symbol for amber colored lights	Y or Am
56	78	P14	Give an example of a light nominal range as printed on a chart	15M signifies 15 nautical mile nominal light range
57	82	P40	What is the symbol for a sector light?	A black dot with a purple teardrop and dashed lines at the sector boundaries.
58	85	P-a	What is the symbol for Rip-Rap surrounding a light?	A black squiggled circle
59	87	Q2	What is the symbol for a green, unlighted buoy?	Either a small circle dot with a green diamond shape and the letter G, or a small circle dot with a green or black diamond or column
60	100	R15	What is the symbol for whistle fog signal?	WHIS
61	101	S3.1	What is a RACON and what is the symbol for it?	Radar transponder beacon with Morse code response in 3-cm X-band. Black circle dot inside of a magenta circle & word RACON