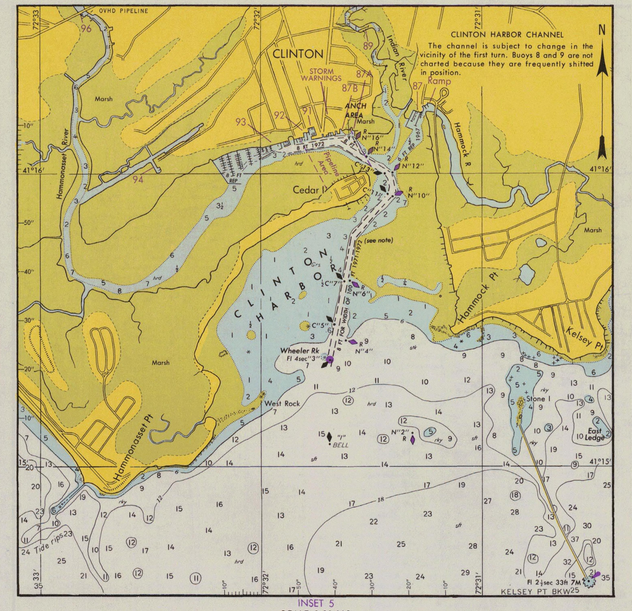
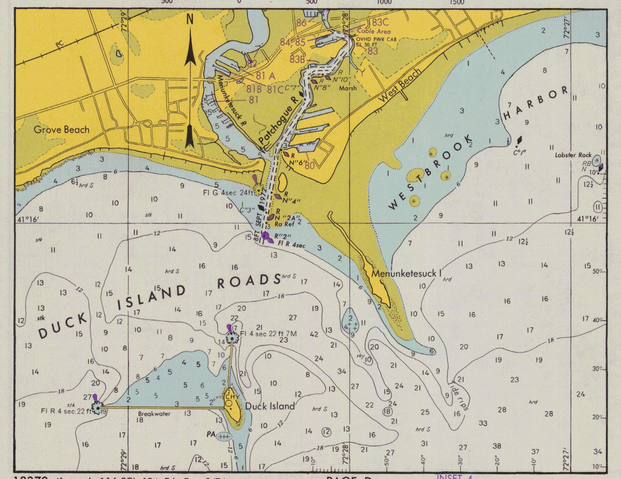



INSET 5
SCALE 1:20,000
NAUTICAL MILES




INSET 4

## SYMBOLS AND ABBREVIATIONS

(For complete list of Symbols and Abbreviations, see Chart No. 1):

Navigation aids:

- Light (On fixed structure)
- Landmark
- R. Bn. radiobeacon
- DFS distance finding station
- Bn daybeacon
- AERO. aeronautical
- Unlighted buoy (C. can, N. nun, S. spar, Bell, Gong, Horn, Whistle)
- Danger or junction buoy
- Mid-channel buoy
- Fish trap buoy
- Lighted buoy
- Anchorage buoy
- Mooring buoy

Light characteristics: (Lights are white unless otherwise indicated.)

| | | | | | |
|---|---|---|---|---|---|
| F. fixed | I. Qk. interrupted quick | G. green | M. nautical miles | | |
| Fl. flashing | E. Int. equal interval | R. red | DIA. diaphone | | |
| Gp. group | Occ. occulting | m. minutes | WHS. whistle | | |
| Alt. alternating | Mo. (A) morse code | sec. seconds | OBSC. obscured | | |
| Qk. quick | Rot. rotating | ft. feet | SEC. sector | | |

Bottom characteristics:

| | | | | | |
|---|---|---|---|---|---|
| Cl. clay | M. mud | Oys oyster | stk. sticky | gn. green | |
| Co. coral | Rk. rock | hrd. hard | bk. black | gy. gray | |
| G. gravel | S. sand | rky. rocky | br. brown | wh. white | |
| Grs. grass | Sh. shells | sft. soft | bu. blue | yl. yellow | |

Dangers:

- Sunken wreck
- Visible wreck
- Rocks
- 21 Wreck, rock, obstruction, or shoal swept clear to the depth indicated
- (2) Rocks that cover and uncover, with heights in feet above datum of soundings

AUTH. authorized; Obstr. obstruction; P.A. position approximate; E.D. existence doubtful

## FACILITIES

Locations of public marine facilities are shown by large purple numbers with leaders and refer to the facility tabulation.

## STORM SIGNALS

| | DAY SIGNALS | NIGHT SIGNALS |
|---|---|---|
| SMALL CRAFT ADVISORY Winds from 18 to 33 knots. Check radio for latest marine weather forecast. | | |
| GALE WARNING Winds forecast from 34-47 knots. | | |
| STORM WARNING Winds forecast from 48-63 knots. | | |
| HURRICANE WARNING Winds forecast 64 knots and above. | | |

## DISTRESS SIGNALS

DAY: Slowly and repeatedly raise and lower arms outstretched to each side.

NIGHT: Flames on the boat as from a burning tar barrel, oil barrel, and so forth.

DAY OR NIGHT: Continuous sounding of fog signal apparatus, or firing a gun.

## FOG SIGNALS

WHILE UNDERWAY

Motorboats: Prolonged blast every minute.

Sailboats: When on starboard tack one blast, port tack 2 blasts and wind abaft of beam 3 blasts.

Boats towing or towed: One prolonged and 2 short blasts every minute.

AT ANCHOR

All boats: 5 seconds of bell every minute.

## RULES OF THE ROAD
(ABRIDGED)

Motorless craft have the right-of-way in almost all cases. Sailing vessels and motorboats less than sixty-five feet in length, shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.

A motorboat being overtaken has the right-of-way.

Motorboats approaching head to head or nearly so, should pass port to port.

When motorboats approach each other at right angles or obliquely, the boat on the right has the right-of-way.

Motorboats must keep to the right in narrow channels, when safe and practicable.

Mariners are urged to become familiar with the complete text of the rules of the road in pamphlet CG-169. The pamphlet may be obtained free from the local Coast Guard Marine Inspection Office.

### WHISTLE SIGNALS

Signal given by one boat is repeated by other boat if safe, and understood. Use whistle signals when boats are in sight of each other in the daytime by sight of the boat itself, or by night by seeing its signal lights.

When approaching a bend, sound one long blast. If answered immediately upon sighting other boat give usual passing signals.

A long blast is used as a warning signal when leaving a slip.

1 SHORT BLAST
Meeting head-on
Overtaking

2 SHORT BLASTS
Maintaining Course
Overtaking

3 SHORT BLASTS
Engine is going astern

4 OR MORE SHORT BLASTS
Danger, or first boats signal not understood, or considered dangerous.

WATCH HILL POINT

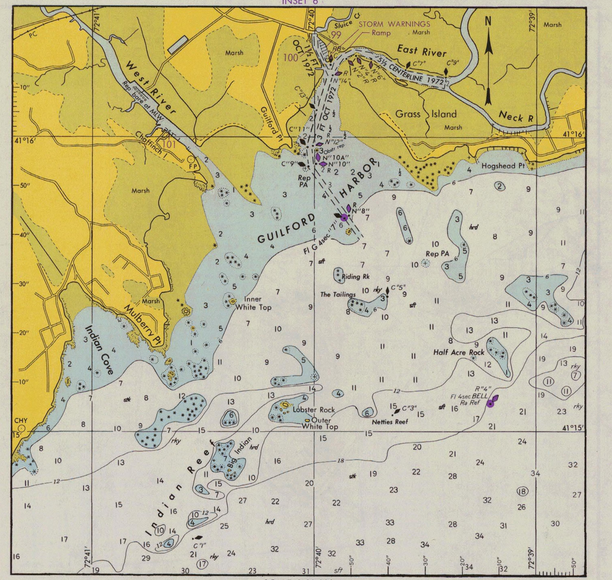
## TIDAL CURRENT DATA

| PLACE | POSITION Lat. | POSITION Long. | MAXIMUM CURRENTS Flood Direction (true) | Flood Average velocity | Ebb Direction (true) | Ebb Average velocity |
|---|---|---|---|---|---|---|
| | ° ′ N. | ° ′ W. | deg. | knots | deg. | knots |
| **BLOCK ISLAND SOUND** | | | | | | |
| Wicopesset Island, 1.1 miles SSE. of | 41 16 | 71 55 | 250 | 1.5 | 75 | 0.8 |
| Mt. Prospect, 0.6 miles SSE. of | 41 16 | 72 00 | 275 | 1.7 | 55 | 1.6 |
| **FISHERS ISLAND SOUND** | | | | | | |
| Edwards Pt.-Sandy Pt. (between) | 41 20 | 71 54 | 35 | 1.1 | 235 | ---- |
| Napatree Point, 0.7 mile SW. of | 41 18 | 71 54 | 285 | 1.7 | 115 | 2.2 |
| Little Narragansett Bay entrance | 41 20 | 71 53 | 90 | 1.3 | 270 | 1.3 |
| Avondale, Pawcatuck River | 41 20 | 71 51 | 60 | 0.6 | 255 | ---- |
| Ram Island Reef, south of | 41 18 | 71 58 | 255 | 1.3 | 90 | 1.6 |
| Noank | 41 19 | 71 59 | 340 | 0.5 | ---- | ---- |
| Mystic, Highway Bridge, Mystic River | 41 21 | 71 58 | 40 | 0.5 | 230 | ---- |
| Clay Point, 1.5 miles NNE. of | 41 18 | 71 58 | 265 | 1.4 | 35 | 1.9 |
| North Hill Pt., 1.3 miles NNW. of | 41 18 | 72 02 | 260 | 1.5 | 80 | 1.2 |
| **LONG ISLAND SOUND** | | | | | | |
| *The Race* | | | | | | |
| Race Point, 0.4 mile SW. of | 41 15 | 72 03 | 290 | 2.6 | 135 | 3.5 |
| THE RACE, near Valiant Rock | 41 14 | 72 04 | 295 | 2.9 | 100 | 3.5 |
| 0.5 mile NE. of Little Gull Island | 41 13 | 72 06 | 0 | 3.3 | 105 | 3.1 |
| Little Gull I., 1.1 mi. ENE. of | 41 13 | 72 05 | 300 | 4.0 | 130 | 4.7 |
| Great Gull Island, 0.7 mile WSW. of | 41 12 | 72 08 | 300 | 2.6 | 135 | 3.2 |
| Eastern Point, 1.5 miles south of | 41 18 | 72 05 | 250 | 0.4 | 55 | 0.4 |
| New London Harbor entrance | 41 19 | 72 05 | 350 | 0.1 | 210 | 0.2 |
| *Thames River* | | | | | | |
| Winthrop Point | 41 22 | 72 05 | 10 | 0.4 | 185 | ---- |
| Off Smith Cove | 41 24 | 72 05 | 20 | 0.7 | 200 | ---- |
| Off Stoddard Hill | 41 28 | 72 04 | 330 | 0.7 | 165 | ---- |
| Goshen Point, 1.9 miles SSE. of | 41 16 | 72 06 | 285 | 1.2 | 60 | 1.6 |
| Little Gull Island, 0.8 mile NNW. of | 41 15 | 72 07 | 260 | 1.9 | 45 | 2.9 |
| Bartlett Reef, 0.2 mile south of | 41 16 | 72 08 | 255 | 1.4 | 90 | 1.3 |
| Twotree Island Channel | 41 18 | 72 08 | 265 | 1.2 | 100 | 1.6 |
| Niantic (Railroad Bridge) | 41 20 | 72 11 | 350 | 1.6 | 180 | 0.8 |
| Black Point, 0.8 mile south of | 41 17 | 72 12 | 265 | 1.4 | 80 | 1.3 |
| Black Point-Plum Island (between) | 41 14 | 72 12 | 235 | 2.1 | 75 | 2.4 |
| Plum Island, 0.8 mile NNW. of | 41 12 | 72 12 | 245 | 1.7 | 65 | 2.4 |
| Hatchett Point, 1.1 miles WSW. of | 41 12 | 72 17 | 240 | 1.3 | 45 | 1.2 |
| *Connecticut River* | | | | | | |
| Lynde Point, channel east of | 41 16 | 72 20 | 345 | 0.9 | 160 | 0.7 |
| Saybrook Point, 0.2 mile NE. of | 41 17 | 72 21 | 355 | 1.5 | 160 | 1.6 |
| Railroad drawbridge | 41 19 | 72 21 | 0 | 1.6 | 180 | 2.1 |
| Saybrook Breakwater, 1.5 miles SE. of | 41 14 | 72 19 | 260 | 1.9 | 70 | 2.0 |
| Multord Point, 3.1 miles NW. of | 41 12 | 72 19 | 270 | 1.9 | 65 | 2.3 |
| Cornfield Point, 3 miles south of | 41 13 | 72 23 | 255 | 2.0 | 95 | 1.7 |
| Cornfield Point, 1 mile south of | 41 15 | 72 23 | 270 | 1.6 | 100 | 1.8 |
| Kelsey Point, 2.1 miles SE. of | 41 14 | 72 26 | 260 | 1.5 | 70 | 1.8 |
| Six Mile Reef, 1.5 miles north of | 41 13 | 72 29 | 290 | 1.0 | 95 | 1.3 |
| Six Mile Reef, 2 miles east of | 41 11 | 72 27 | 235 | 1.6 | 40 | 2.1 |
| Kelsey Point, 1 mile south of | 41 14 | 72 30 | 250 | 2.0 | 120 | 1.5 |
| Sachem Head, 1.0 mile SSE. of | 41 14 | 72 42 | 255 | 1.1 | 65 | 1.0 |
| Sachem Head, 1 mile south of | 41 14 | 72 43 | 280 | 0.9 | 85 | 1.8 |
| New Haven Harbor entrance[18] | 41 14 | 72 55 | 320 | 1.4 | 150 | 0.9 |
| City Point, 1.3 miles NE. of | 41 18 | 72 54 | 15 | 0.3 | 215 | 0.4 |

[18] Inside breakwaters, in channel, the current is only 0.4 knot.

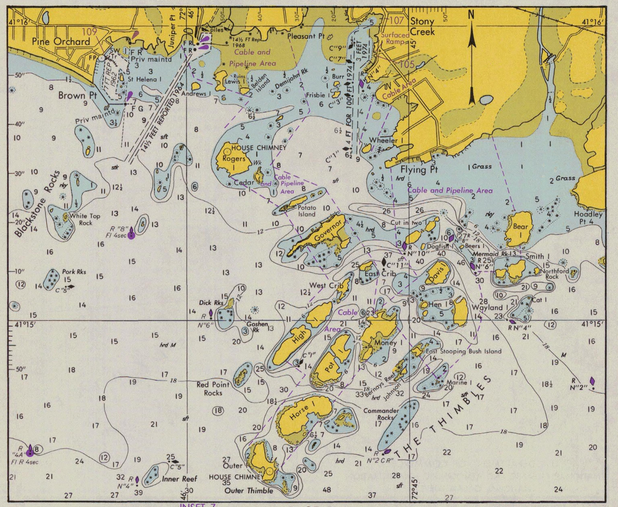
SAYBROOK OUTER BAR CHANNEL
(CONNECTICUT RIVER ENTRANCE)

INSET 6




SCALE 1:20,000
NAUTICAL MILES

YARDS




INSET 7