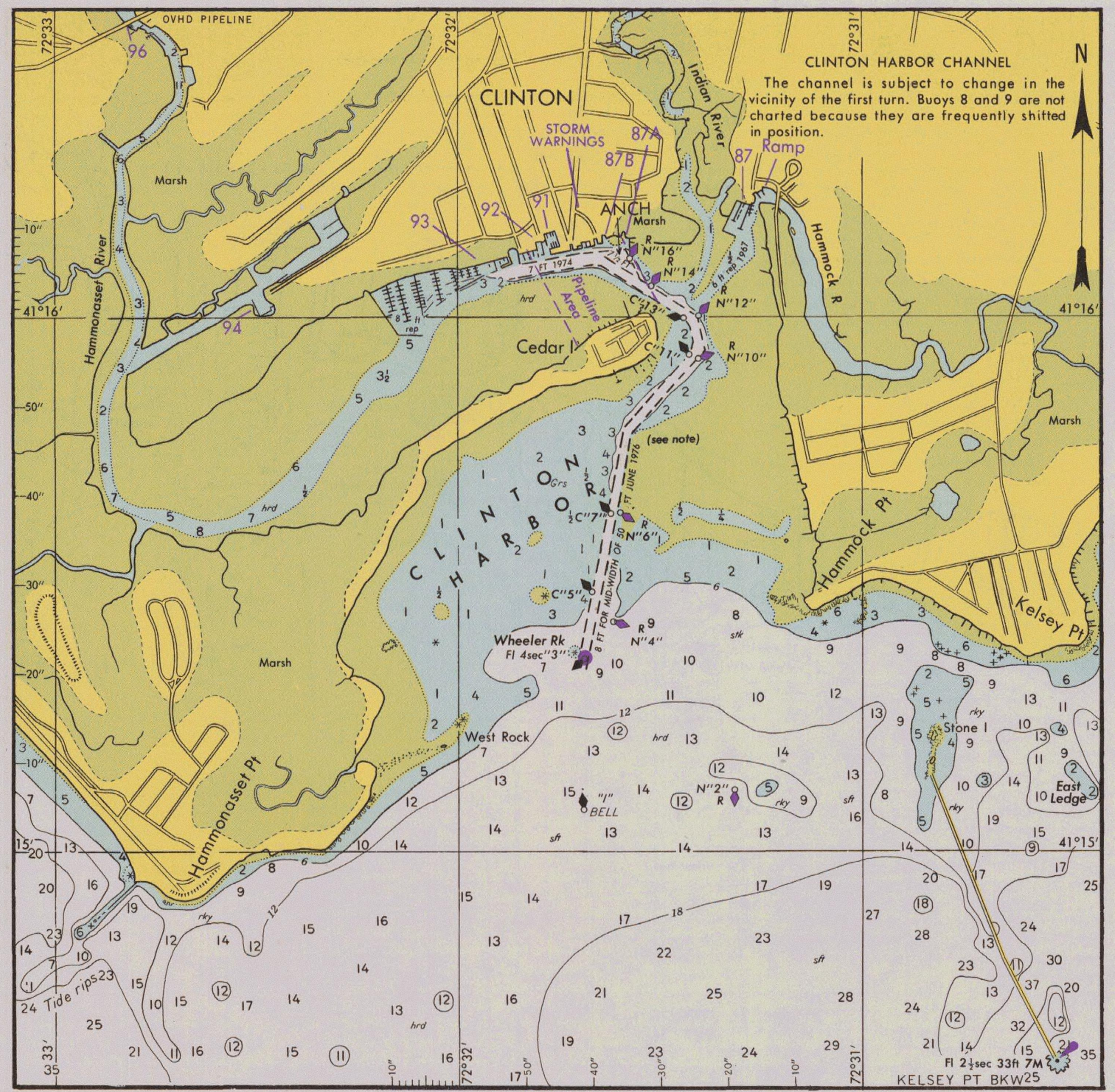


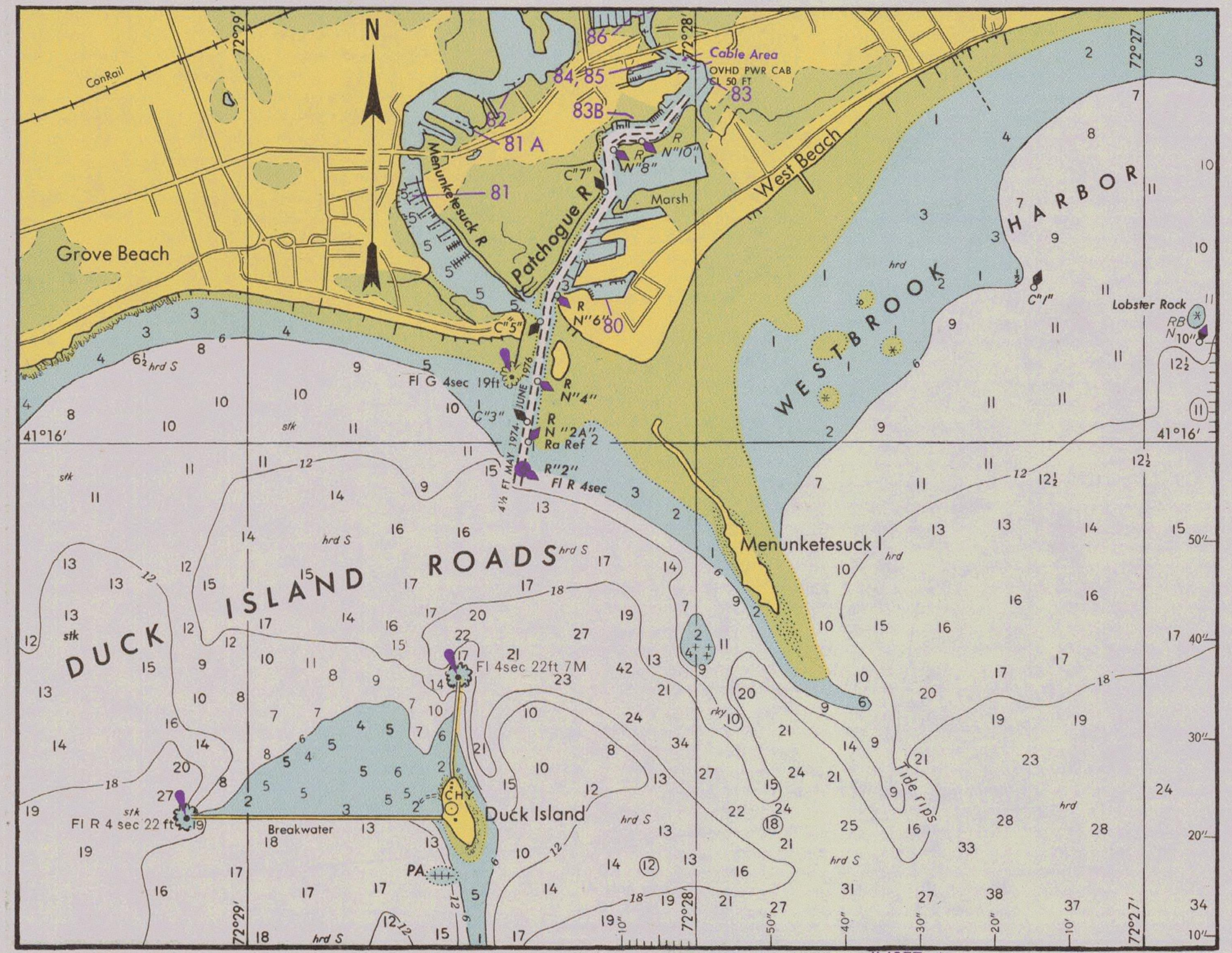
INSET 5

SCALE 1:20,000

NAUTICAL MILES

YARDS

500 0 500 1000 1500



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	WHIS. 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

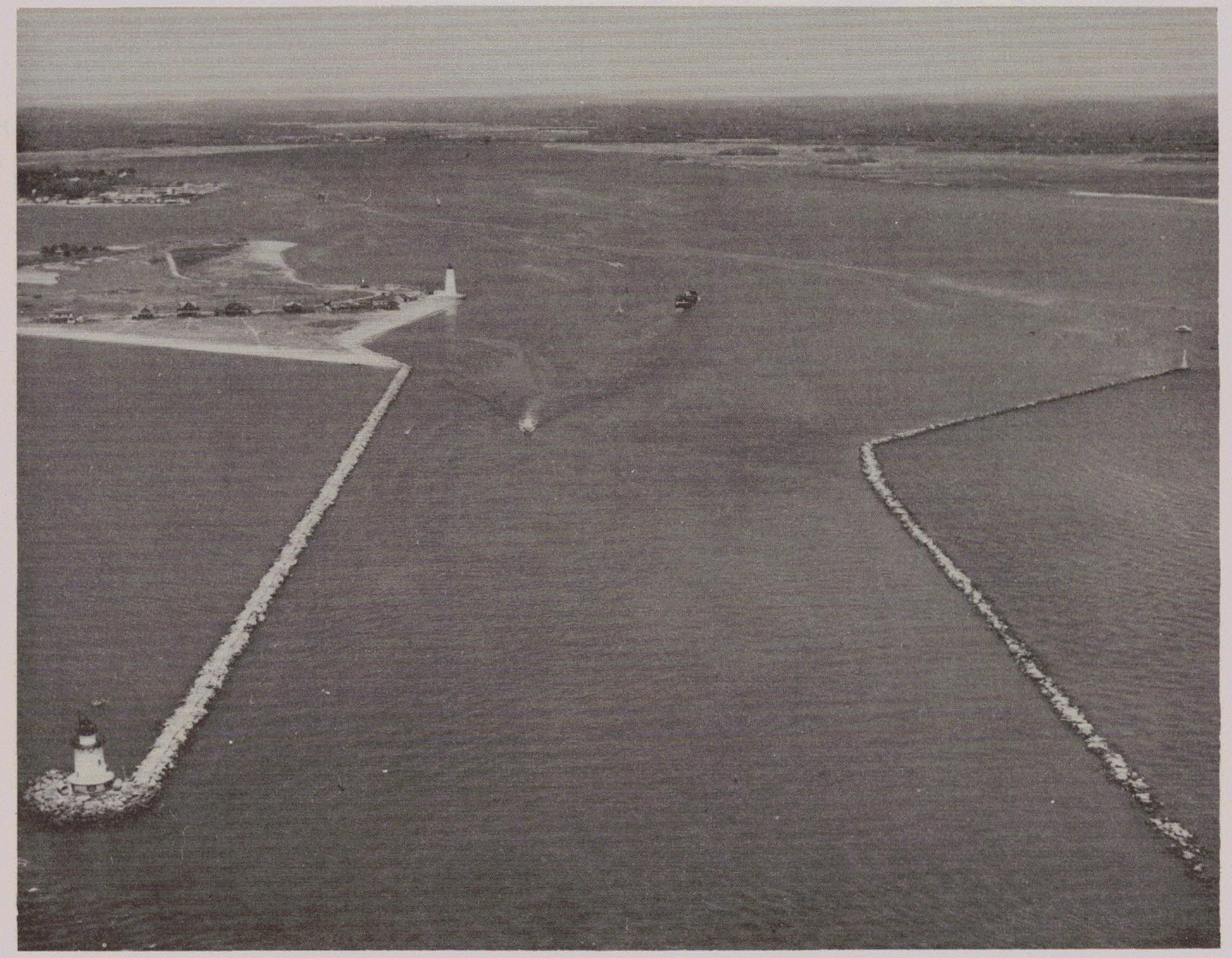
3 SHORT BLASTS

Engine is going astern

4 OR MORE SHORT BLASTS

Danger, or first boats signal not understood, or considered dangerous.

WATCH HILL POINT



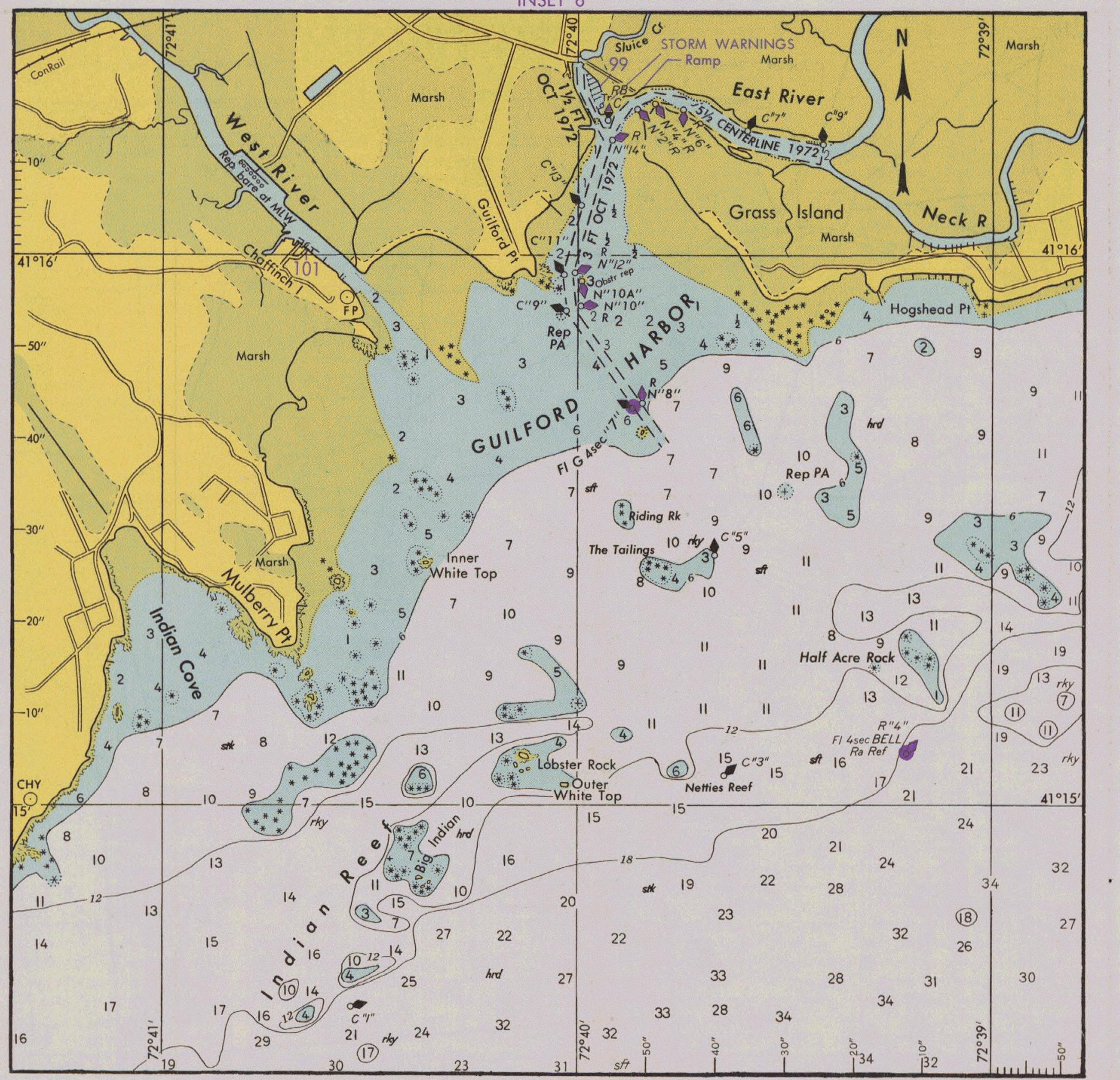
SAYBROOK OUTER BAR CHANNEL
(CONNECTICUT RIVER ENTRANCE)

TIDAL CURRENT DATA

PLACE	POSITION		MAXIMUM CURRENTS			
			Flood		Ebb	
	Lat.	Long.	Direction (true)	Average velocity	Direction (true)	Average velocity
	° ′	° ′	deg.	knots	deg.	knots
BLOCK ISLAND SOUND	N.	W.				
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 15	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, 1.3 miles NNE. of	41 18	71 58	265	1.4	35	1.9
North Hill Pt., 1.1 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 13	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 16	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	1.5
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
Mulford 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 22	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 28	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	1.2
New Haven Harbor entrance[10]	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

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

INSET 6

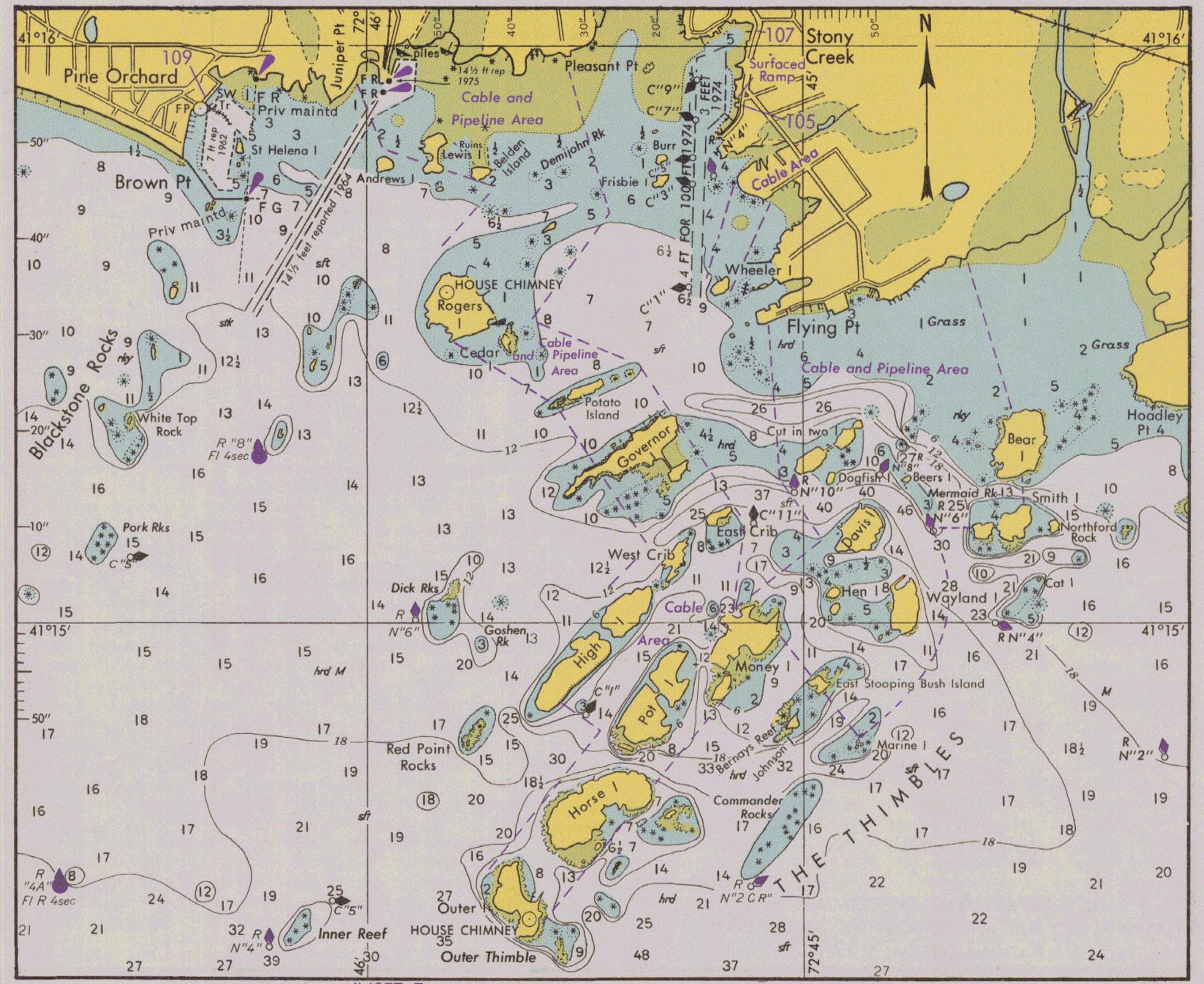


SCALE 1:20,000

NAUTICAL MILES

YARDS

500 0 500 1000 1500



INSET 7