1st Ed., Aug., 1953. KAPP 146

Nautical Chart Catalog No 1, Panel P

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Acts to flag/all on (lights are white unless otherwise indicated):
AERO aeronautical; Al alternating; Bk black; Bn beacon; C can; DIA diaphone; F flood; Fl flashing; G green; Gp group; IQ interrupted quick; Iso isophase; LT HO lighthouse; M nautical mile; m minutes; MICRO TR microwave tower; Mkr marker; Mo morse code; N run; OBSC obscured; Oc occulting; Or orange; Q quick; R red; Ra Ref radar reflector; R Bn radiobeacon; Fl Tfl radio tower; Rot rotating; s seconds; SEC sector; St M statute miles; VQ very quick; W white; WHIS whistle; Y yellow

Bottom characteristics:
Bldr boulders; bk broken; Cy clay; Co coral; Gr gravel; Grs grass; Oy oyster; Rk rock; S sand; M mud; h hard; so soft; Sh shells; sy sticky

Miscellaneous:
AUTH authorized; ED existence doubtful; Obstn obstruction; PA position approximate; PD position doubtful; Rep reported; Subm submerged
⚓ 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.

LOGARITHMIC SPEED SCALE
1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 15 minutes, the speed is 16.0 knots.

SOURCE
B2 1970-1989 NOS Surveys partial bottom coverage
f US Government Surveys
h Miscellaneous Surveys

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

Sulphur Point
Wainright Shipyard
Dyers Point
Audubon I
Bear Point
NAVAL COASTAL SYSTEMS CENTER
HELIPORT
TOWER
Bunkers
Bunker
Filtration Tank
Pool
RADIO TOWER
Parking Lot
SOUTH DOCK
EAST DOCK
RESTRICTED AREA
334.760 (see note A)
HATHAWAY FIXED BRIDGE
HOR CL 287 FT
VERT CL 60 FT
U.S. Hy 98
QUAD PWR CNS
AUTH CL 51 FT 25 FT OVER SPAN
40 FT SIDE SPANS
Fl R 4s 17ft 3M "2"
Fl G 4s 17ft 3M "1"
Ra Ref
Fl R 2.5s 17ft 3M "C"
Fl G 2.5s 17ft 3M "3"
Oc G 4s 28ft
Q G 28ft
Fl R 4s 17ft 3M "4"
Ra Ref
Obstn
Subm obstn
Subm pipe
Subm pile
Subm mine PA
Pile
Fence
Pipe
Mllns Pt Pk
Ramp
Sign
Tower
Pool
Trailer Park
Dock
Pier
Subm piers
Subm ruins
Bkhd ruins
Chy
Fldstn
Foul area
Dol
Pos
Sh
bk Sh
M
S
G "3"
G "1"
R "4" 11
R "2"
G "1" Fl G 4s
Y "A" Navy
Y "B" Navy
Y "C" Navy
Y "D" Navy
11 FT
G 11
R "4"
R "2"
G "C"
G "1"
G "3"
R "N"
R "N"

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

MAGNETIC
VAR 6°00'W (2009)
ANNUAL INCREASE 7'

SAINT ANDREW BAY

UNITED STATES - GULF COAST
FLORIDA

SAINT ANDREW BAY

BEAR POINT TO SULPHUR POINT

Mercator Projection
Scale 1:5,000 at Lat. 30°10'30"

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

TIDAL INFORMATION

Place Name	(LAT./LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water	Extreme Low Water
		feet	feet	feet	feet
Panama City	(30°09'N/85°40'W)	1.3	1.3	0.0	-2.0
St. Andrew Bay	(30°07'N/85°44'W)	1.3	----	----	-2.0
Lynn Haven	(30°15'N/85°39'W)	1.6	----	----	-2.0
West Bay Creek	(30°17'N/85°51'W)	1.5	----	----	-2.0

(1099)

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Imagery and Mapping Agency.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 8th Coast Guard District in New Orleans, LA or at the Office of the District Engineer, Corps of Engineers in Mobile, AL.
Refer to charted regulation section numbers.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 5 for important supplemental information.

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to this North American Datum of 1927 must be corrected an average of 0.727" northward and 0.250" eastward to agree with this chart.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:
Pipeline Area — Cable Area
Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

NOAA WHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Panama City, FL KGG-67 162.55 MHz

CAUTION
Only marine radiobeacons have been calibrated for surface use. Limitations on the use of certain other radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Imagery and Mapping Agency Publication 117.
Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙ (Accurate location) ⊙ (Approximate location)

SCALE 1:5,000
0.5 Nautical Miles
0.5 Statute Miles
Yards
Meters

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Notice to Mariners.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

694.7x 926.5 mm

45°30' 85°45' 44°30' 24' 18' 12' 6' 85°44' 43°30'
30° 10' 10' 24' 18' 12' 6'

6th Ed., Feb. 12/00 ■
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CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

OUR SEAS AND OUR SKIES
OF EXCELLENCE AT NOAA

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

SOUNDINGS IN FEET

FATHOMS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
FEET 6 12 18 24 30 36 42 48 54 60 66 72 78 84 90 96 102 108
METERS 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33

Bear Point to Sulphur Point
SOUNDINGS IN FEET - SCALE 1:5,000

11392

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