INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
G&W GONG PH	06/12/06	N 294311.41 E 2939387.86	43° – 38′ – 26.9″N 70° – 13′ – 01.7″W
Fl Y-A	06/12/06	N 298043.26 E 2939525.15	43° – 39′ – 03.8″N 70° – 12′ – 59.9″W
Fl Y-B BELL	07/20/05	N 301187.78 E 2941403.33	43° – 39′ – 34.8″N 70° – 12′ – 34.4″W
RN-6	07/20/05	N 301730.18 E 2940688.54	43° – 39′ – 40.2″N 70° – 12′ – 44.1″W
Fl G-1	06/12/06	N 299390.34 E 2937285.95	43° – 39′ – 17.0″N 70° – 13′ – 30.4″W
Fl G-3	10/19/10	N 300378.31 E 2936260.56	43° – 39′ – 26.8″N 70° – 13′ – 44.3″W
Fl R-4	06/12/06	N 301042.57 E 2937748.47	43° – 39′ – 33.4″N 70° – 13′ – 24.1″W
Fl G-5	10/19/10	N 300445.91 E 2934405.12	43° – 39′ – 27.5″N 70° – 14′ – 09.5″W
No Wake	10/19/10	N 299035.42 E 2932341.84	43° – 39′ – 13.5″N 70° – 14′ – 37.6″W
Fl G-1	10/19/10	N 297211.14 E 2930479.64	43° – 38′ – 55.5″N 70° – 15′ – 02.9″W
Fl R-2	10/19/10	N 297083.66 E 2930346.33	43° – 38′ – 54.2″N 70° – 15′ – 04.7″W
Fl G-1	10/19/10	N 294645.11 E 2926551.74	43° – 38′ – 30.1″N 70° – 15′ – 56.3″W
GC-3	10/19/10	N 294553.09 E 2925642.00	43° – 38′ – 29.2″N 70° – 16′ – 08.7″W
Fl G-5	10/19/10	N 294409.73 E 2924589.93	43° – 38′ – 27.7″N 70° – 16′ – 23.0″W
Fl R-6	10/19/10	N 294110.28 E 2922366.58	43° – 38′ – 24.7″N 70° – 16′ – 53.2″W

EAST DEERING

CASCO BAY

BACK COVE

PORTLAND

FORE RIVER

SOUTH PORTLAND

PORTLAND HARBOR

ATLANTIC OCEAN

LITTLE DIAMOND ISLAND

HOUSE ISLAND

CUSHING ISLAND

12-FOOT CHANNEL

14-FOOT CHANNEL

30-FOOT APPROACH CHANNEL

30-FOOT ANCHORAGE

35-FOOT CHANNEL

45-FOOT HOUSE ISLAND ANCHORAGE

45-FOOT MAIN SHIP CHANNEL

35-FOOT NORTH TURNING BASIN

35-FOOT SOUTH TURNING BASIN

35-FOOT CHANNEL

FLOOD

EBB

SHEET 2 OF 6

SHEET 3 OF 6

SHEET 4 OF 6

SHEET 5 OF 6

SHEET 6 OF 6

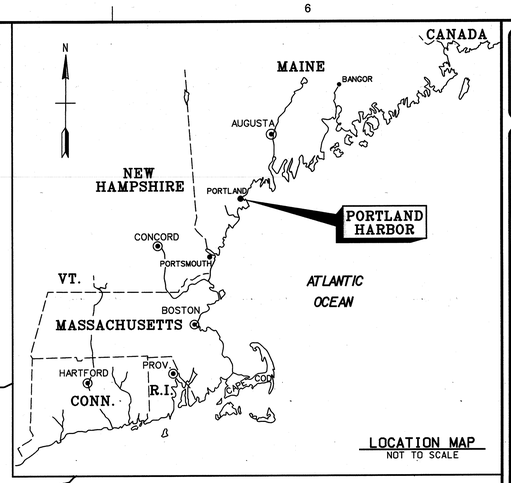
N 300000

N 290000

E 2930000

E 2940000

PLAN
SCALE: 1" = 800'



LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch.
2. Topography shown is from previous surveys and/or NOAA Chart No. 13292. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: BM Tidal 31 is a primary NOS disk stamped "ELEV 14.501 FT TIDAL 31", set vertically in the northeast face of the stone foundation of a three story building located along Commercial Street between India and Franklin Streets, 206.7 feet southwest of the southwest curb of India Street, 41.5 feet north-northeast of fire hydrant on the northwest side of Commercial Street, 8.9 feet northwest of the northwest curb of Commercial Street, and 0.5 foot above the sidewalk. Elevation is 19.03 feet above MLLW.
4. Bench Mark Data: BM 841 8268 B (1979) is a standard NOS disk stamped "841 8268 B 1979", set flush in the concrete foundation supporting a large bollard, located in the northeast corner of the depot, 30 feet west of the shoreline, 9.0 feet north of the southwest corner of the foundation, 5.0 feet northwest of the bollard, and 1.0 foot south of the northwest corner of the concrete foundation. Elevation is 16.42 feet above MLLW.
5. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.
6. Survey was performed using a Reson 8124 multibeam echosounder system with a 200 kHz transducer. Horizontal positioning and vertical depths were obtained utilizing a Leica 1200 GPS System. An RTK base station was set up on Sta. Thames (2010). A "Hypack" (KTD) file was created from NAVD88 to MLLW corrections as following:

National Ocean Surveys (NOS) Pub. No.	Correction
8418150 (Casco Bay)	5.25 (NOS)
8418268 (Fore River)	5.63 (COE Observed)

7. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted from October thru November 2010.
8. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
9. The information depicted on these maps represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
10. Field Books: R&H 5075 and 5104
    35-foot depth contour shown thus: ----------
    45-foot depth contour shown thus: ——————
    Surveyed by: Jeffrey W. Preston and Crew
    Refer to Survey No. 11-1099

GRAPHIC SCALE:
800 0 800 1600
1" = 800'

SAFETY PAYS

US Army Corps of Engineers®
New England District

DESCRIPTION	DATE	APPR
MARK	DATE	APPR
DESCRIPTION	DATE	APPR
MARK		

DATE: 2/17/11
REVIEWED BY: Kirk Waters, Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DWN BY: MHW
CKD BY: MHW
DESIGN FILE: PORBRKPS.DGN
DRAWING CODE: 2979
PLOT DATE: 17-FEB-2011
PLOT SCALE: 1" = 800'
SIZE: ANSI F
FILE NAME: P:\DGN\2979\01\S01

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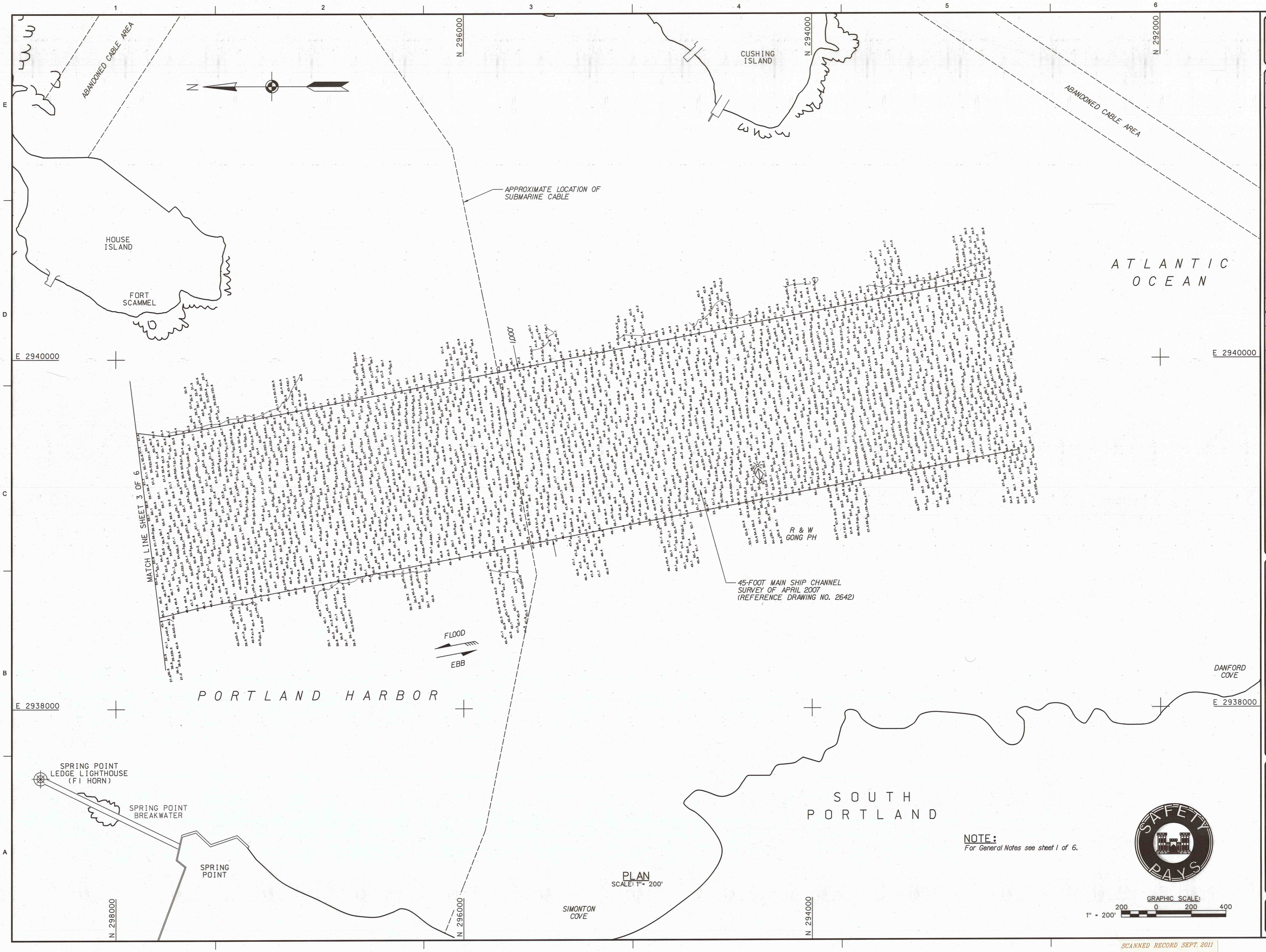
PORTLAND HARBOR
PORTLAND, MAINE
CONDITION SURVEY
35 AND 45-FOOT CHANNELS
45-FOOT ANCHORAGE
35-FOOT TURNING BASINS

SHEET IDENTIFICATION
V-101
SHEET 1 OF 6

SCANNED RECORD SEPT. 2011



PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
1" = 200'
200 0 200 400

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MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
DATE: 9/14/11
DWN BY: SWK
CKD BY: WHW
DESIGN FILE: PORHSP3.DGN
DRAWING CODE: 2679
PLOT SCALE: 1" = 200'
PLOT DATE: 9/13/2011
SIZE: ANSI F
FILE NAME: PORC2679V102.S02

PORTLAND HARBOR
PORTLAND, MAINE
CONDITION SURVEY
35 AND 45-FOOT CHANNELS
45-FOOT ANCHORAGE
35-FOOT TURNING BASINS

SHEET IDENTIFICATION
V-102
SHEET 2 OF 6

SCANNED RECORD SEPT. 2011

E 2936000

E 2938000

E 2940000

N 302000

N 300000

N 298000

DIAMOND LEDGE BEACON

DIAMOND ISLAND LEDGE

FORT GORGES

LITTLE DIAMOND ISLAND

DIAMOND ISLAND PASS

RN-6

FIR-4

FIY-B BELL

45-FOOT HOUSE ISLAND ANCHORAGE SURVEY OF JULY 2005 (REFERENCE DRAWING NO. 2615)

MATCH LINE SHEET 4 OF 6

FIG-3

35-FOOT CHANNEL (SURVEY OF OCTOBER-NOVEMBER 2010)

FLOOD

EBB

FIG-1

45-FOOT CHANNEL SURVEY OF APRIL 2007 (REFERENCE DRAWING NO. 2642)

PORTLAND PIPELINE CORP. PIER NO. 2

PORTLAND HARBOR

SPRING POINT LEDGE LIGHTHOUSE (FI HORN)

PORT HARBOR MARINE SPRING POINT & BREAKWATER MARINA

SOUTHERN MAINE TECHNICAL COLLEGE PIER

SPRING POINT BREAKWATER

FIY-A

MATCH LINE SHEET 2 OF 6

DIAMOND ISLAND ROADS

HOUSE ISLAND

FORT SCAMMEL

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
200 0 200 400
1" = 200'

PLAN
SCALE: 1" = 200'

SCANNED RECORD SEPT. 2011

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MARK	DESCRIPTION	DATE	APPR.

DATE:
DWN BY: DKD
CHKD BY: MWF
DESIGN FILE: PORHSP1.DGN
DRAWING CODE: DTP3
PLOT DATE: 19-MAY-11
PLOT SCALE: 1
FILE NAME: PORHSP07V103.S03
SIZE: ANSI F

REVIEWED BY: Mike Wilson, Asst. Chief, Survey Section
SURVEYED BY: Chief, Survey Section

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PORTLAND HARBOR
PORTLAND, MAINE
CONDITION SURVEY
35 AND 45-FOOT CHANNELS
45-FOOT ANCHORAGE
35-FOOT TURNING BASINS

SHEET IDENTIFICATION
V-103
SHEET 3 OF 6

SAFETY PAYS

1 2 3 4 5 6

E 2930000 E 2932000 E 2934000 E 2936000

N 302000 N 300000 N 298000

E D C B A

PORTLAND

PORTLAND YACHT SERVICE, INC.

30-FOOT ANCHORAGE
(REFERENCE DRAWING NO. 2632)

BATH IRON WORKS PIER

FLOATING DRY DOCK

CASCO BAY FERRY TERMINAL WHARF

PORT OF PORTLAND PIER NO. 1

MAINE STATE PIER

RESOURCE TRADING CO. WHARF

CUSTOM HOUSE WHARF

PORTLAND PIER

LONG WHARF

CHANDLERS WHARF

WIDGERY'S WHARF

UNION WHARF

CUMBERLAND WHARF

DIMILLO'S MARINA

PORTLAND FISH EXCHANGE SERVICE PIERS

PORTLAND PIER (BROWN WHARF)

MATCH LINE SHEET 5 OF 6

MATCH LINE SHEET 3 OF 6

FIG-5

FLOOD

EBB

PORTLAND HARBOR

35-FOOT CHANNEL

PORTLAND BREAKWATER LIGHTHOUSE

STEEL DOLPHIN

PORTLAND PIPELINE CORP. PIER NO. 2

No Wake

PORTLAND PIPELINE CORPORATION PIER NO. 1

GULF OIL DOCK

TANKS

SUNSET MARINA

SOUTH PORTLAND

ASPASIA MARINA

TOWN WHARF

MAINE SHIPYARD AND MARINE RAILWAY PIER

PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
200 0 200 400
1" = 200'

SAFETY PAYS

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR

DATE: 8/14/11
DWN BY: CKD BY:
SUBMITTED BY: CHIEF, SURVEY SECTION
DESIGN FILE: PORSHP5.DGN
DRAWING CODE: 2979
FILE NAME: PORSTM104.SH4
PLOT SCALE: 1.000 '= 1 INCH
PLOT DATE: 11-SEP-2012
SIZE: ANSI F

REVIEWED BY: Ltr/Tech Asst. Chief, Survey Section
SUBMITTED BY: Chief, Survey Section

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PORTLAND HARBOR
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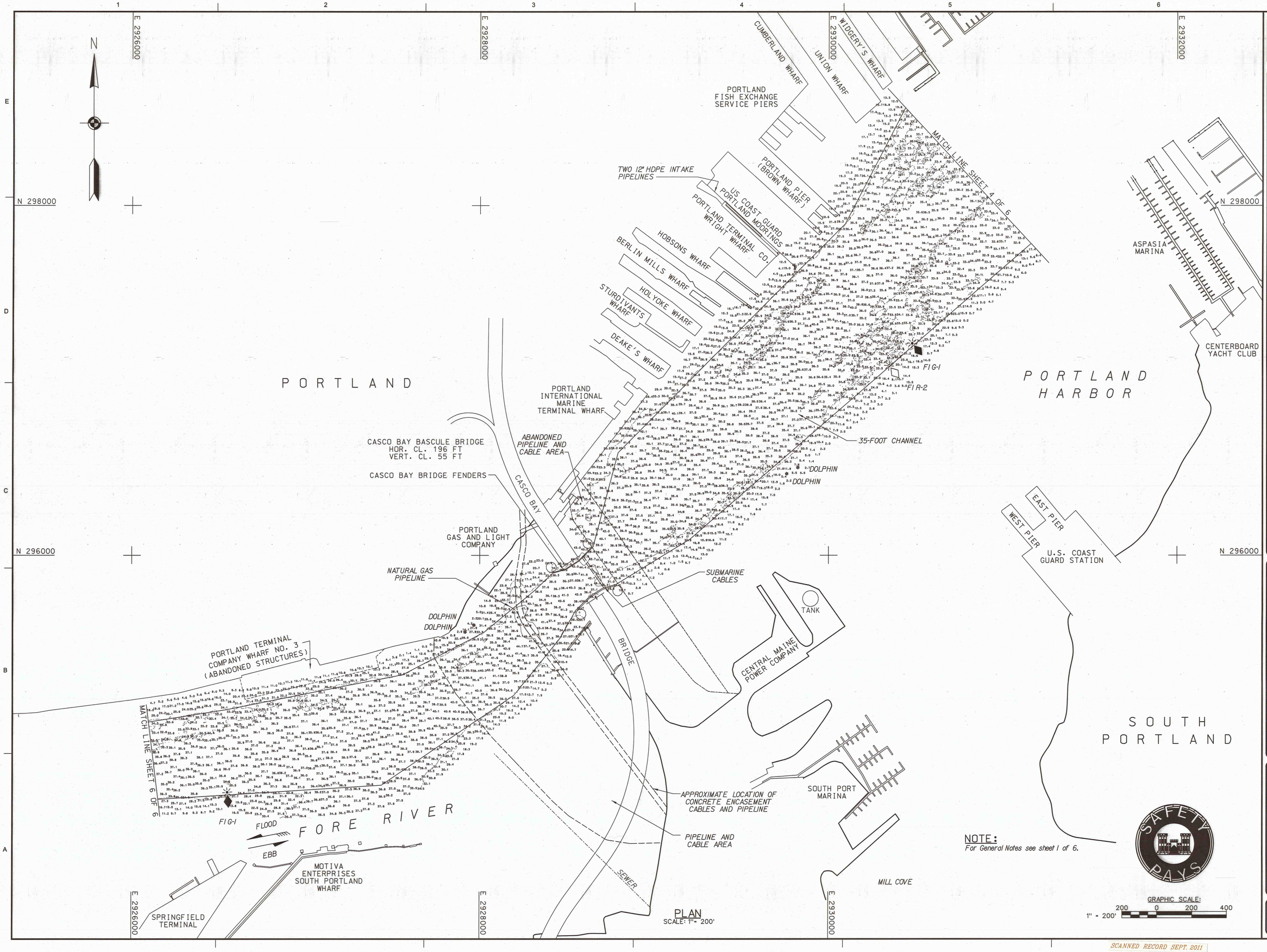
CONDITION SURVEY
35 AND 45-FOOT CHANNELS
45-FOOT ANCHORAGE
35-FOOT TURNING BASINS

SHEET IDENTIFICATION
V-104
SHEET 4 OF 6

SCANNED RECORD SEPT. 2011



PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 6.

GRAPHIC SCALE:
200 0 200 400
1" = 200'

US Army Corps of Engineers®
New England District

MARK	DESCRIPTION	DATE	APPR

MARK	DESCRIPTION	DATE	APPR

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REVIEWED BY: Kelly Chief, Survey Section
SUBMITTED BY: Chief, Survey Section
PLOT SCALE: 1" = 200'
PLOT DATE: 9/13/2011
SIZE: ANSI F
FILE NAME: PORC6799V105.S05
DATE: 9/14/11
DWN BY: SWK
CKD BY: WHW
DESIGN FILE: PORHSP3.DGN
DRAWING CODE: 2879

PORTLAND HARBOR
PORTLAND, MAINE
CONDITION SURVEY
35 AND 45-FOOT CHANNELS
45-FOOT ANCHORAGE
35-FOOT TURNING BASINS

SHEET IDENTIFICATION
V-105
SHEET 5 OF 6

SCANNED RECORD SEPT. 2011

PLAN
SCALE: 1" = 200'

NOTE:
For General Notes see sheet 1 of 6.

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SHEET IDENTIFICATION
V-106
SHEET 6 OF 6

SCANNED RECORD SEPT. 2011