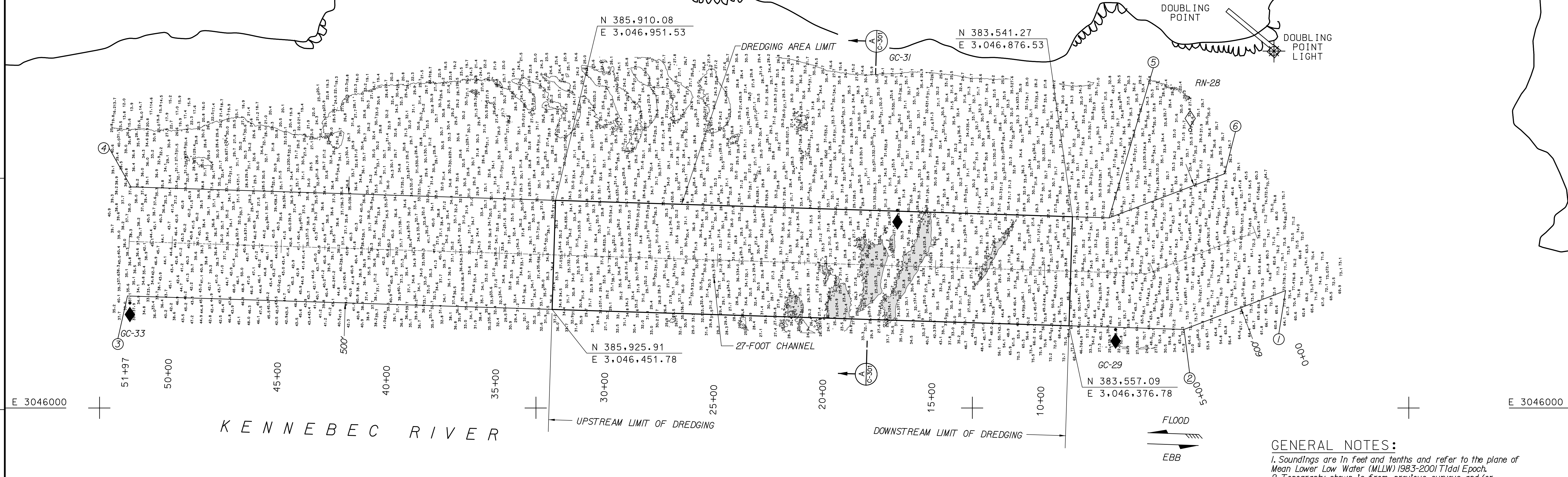


ARROWSIC ISLAND

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
RN-28	5/19/11	N 383001.87 E 3047274.01	43° - 53' - 00.8"N 69° - 48' - 29.3"W
GC-29	5/19/11	N 383343.74 E 3046359.46	43° - 53' - 04.3"N 69° - 48' - 41.8"W
GC-31	5/19/11	N 384343.63 E 3046905.43	43° - 53' - 14.1"N 69° - 48' - 34.3"W
GC-33	5/19/11	N 387860.92 E 3046481.29	43° - 53' - 48.9"N 69° - 48' - 39.9"W

FIDDLER REACH

E 3048000

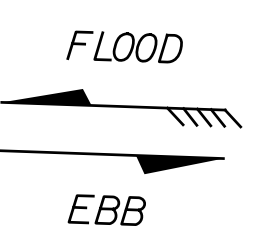


KENNEBEC RIVER

LINCOLN LEDGE

LONG REACH

HOSPITAL POINT



APPROXIMATE LOCATION OF BM 7227 C (2005)

KENNEBEC RIVER
BATH, MAINE
VICINITY OF DOUBLING POINT
27-FOOT CHANNEL
STATE PLANE NAD 1983 WEST ZONE

#	EASTING	NORTHING
1	3046537.93	382564.64
2	3046360.09	383029.97
3	3046513.40	387871.97
4	3047013.15	387856.15
5	3046871.21	383373.27
6	3047073.40	382844.29

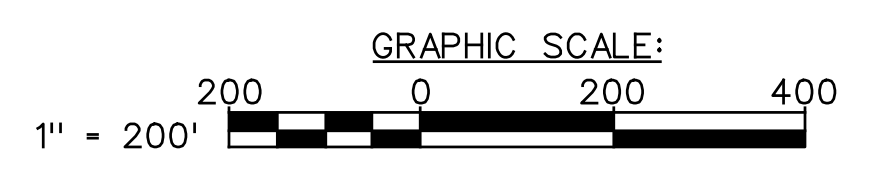
PLAN - DOUBLING POINT - BASE BID ITEM NO. 0001

SCALE: 1" = 200'

BATH

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. 13296. 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 7227 C (2005) is a standard NOS disk stamped "7227 C 2005", set in a rock outcrop just west of the Deering Pier, 175.5 feet west-southwest of the northwest corner of Deering Pier, 86.6 feet west of the west edge of the Deering Pier Monument and 21.7 feet south of the centerline of the dirt road leading to the pier. Elevation is 17.53 feet above MLLW. This Bench Mark was used to survey Doubling Point.
 4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.
 5. 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 Receiver. An RTK base station was set up on Sta. Snow (2009) using a NAVD88 to MLLW correction of 3.55 feet.
 6. The sounding information shown on this map represents the SHORLEST soundings of those obtained from hydrographic surveys conducted during May 2011.
 7. The sounding information depicted on this map should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
 8. The information depicted on this map represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
 9. Field Book: R&H 4540
- 27-foot contour shown thus: Survey performed by Jeffrey W. Preston and crew Refer to Survey No. 11-114



US Army Corps of Engineers
New England District

NO.	DATE	DESCRIPTION	APPROVED

REVISIONS BY: Robert M. [unclear]
 DATE: [unclear]
 SOLICITATION NO.: [unclear]
 CONTRACT NO.: [unclear]

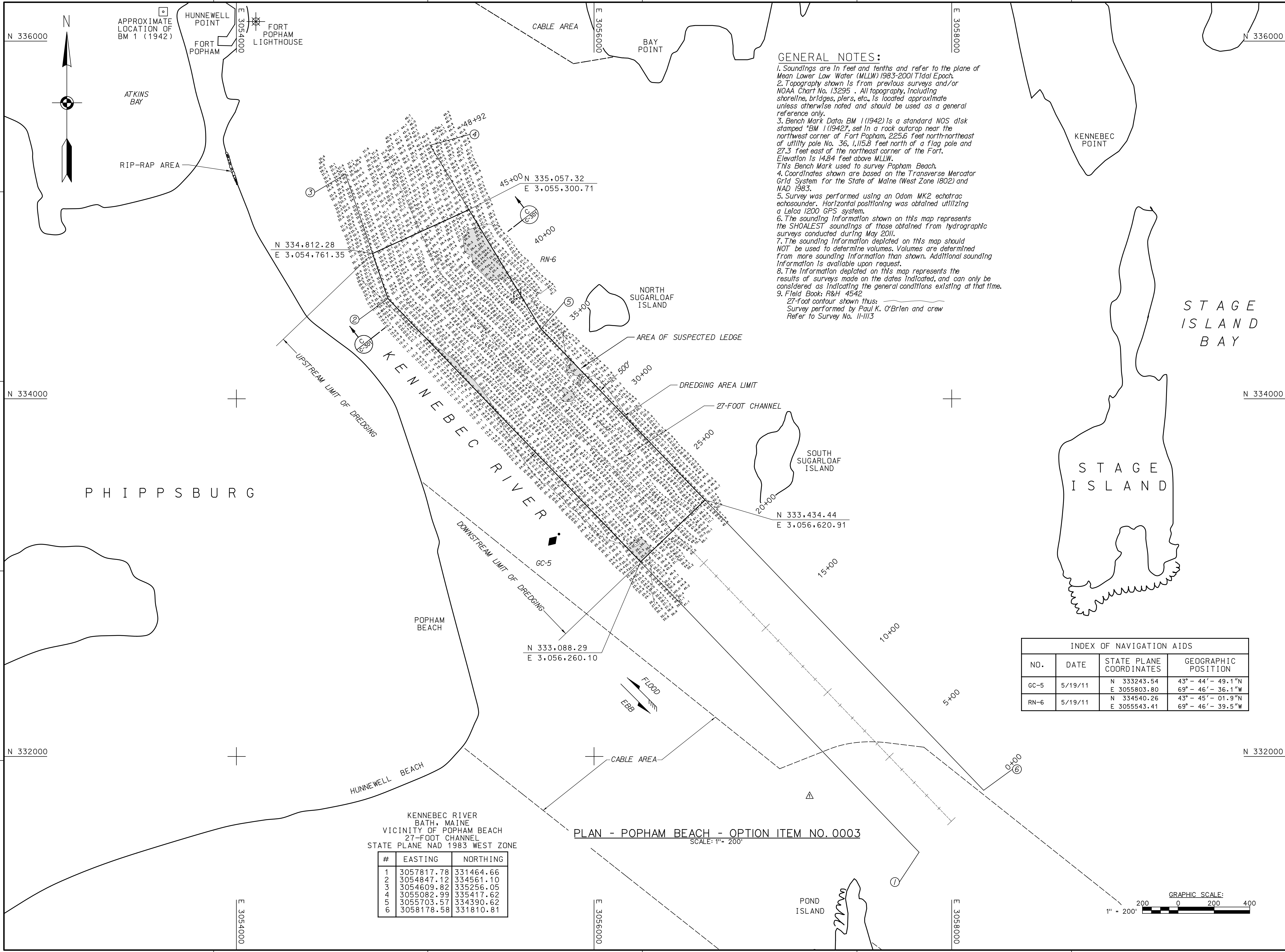
DESIGNED BY: [unclear]
 DRAWN BY: [unclear]
 CHECKED BY: [unclear]
 IN CHARGE: [unclear]

PROJECT NO.: [unclear]
 DRAWING NO.: [unclear]
 SHEET NO.: [unclear] OF [unclear]

MAINTENANCE DREDGING
 27-FOOT DOUBLING POINT CHANNEL
 27-FOOT FIDDLER REACH CHANNEL
 BATH AND PHIPPSBURG, MAINE

PLAN - DOUBLING POINT
 BASE BID ITEM NO. 0001

SHEET IDENTIFICATION
C-101
 SHEET 3 OF 6



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. 13295. All topography, including shorelines, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only.
3. Bench Mark Data: BM 1 (1942) is a standard NOS disk stamped "BM 1 (1942)", set in a rock outcrop near the northwest corner of Fort Popham, 225.6 feet north-northeast of utility pole No. 36, 1,115.8 feet north of a flag pole and 27.3 feet east of the northeast corner of the Fort. Elevation is 14.84 feet above MLLW. This Bench Mark used to survey Popham Beach.
4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.
5. Survey was performed using an Odom MK2 echotrac echosounder. Horizontal positioning was obtained utilizing a Leica 1200 GPS system.
6. The sounding information shown on this map represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during May 2011.
7. The sounding information depicted on this map should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding information is available upon request.
8. The information depicted on this map represents the results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time.
9. Field Book: R&H 4542

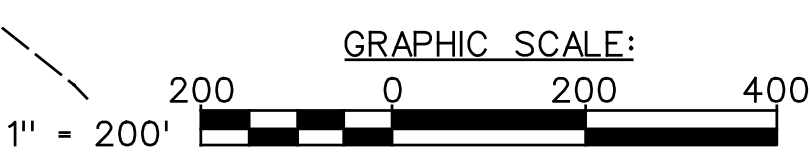
27-foot contour shown thus:
 Survey performed by Paul K. O'Brien and crew
 Refer to Survey No. 11-1113

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-5	5/19/11	N 333243.54 E 3055803.80	43° - 44' - 49.1"N 69° - 46' - 36.1"W
RN-6	5/19/11	N 334540.26 E 3055543.41	43° - 45' - 01.9"N 69° - 46' - 39.5"W

KENNEBEC RIVER
 BATH, MAINE
 VICINITY OF POPHAM BEACH
 27-FOOT CHANNEL
 STATE PLANE NAD 1983 WEST ZONE

#	EASTING	NORTHING
1	3057817.78	331464.66
2	3054847.12	334561.10
3	3054609.82	335256.05
4	3055082.99	335417.62
5	3055703.57	334390.62
6	3058178.58	331810.81

PLAN - POPHAM BEACH - OPTION ITEM NO. 0003
 SCALE: 1" = 200'



US Army Corps of Engineers
 New England District

DATE	DESCRIPTION	DATE	DESCRIPTION
6/02/2011	AMENDMENT #1 EXISTING CONDITION SURVEY UPDATED		

RESPONSE BY: Robert M. Baker
 DATE: 6/02/2011
 U.S. ARMY CORPS OF ENGINEERS
 NEW ENGLAND DISTRICT
 CONCORD, MASSACHUSETTS

MAINTENANCE DREDGING
 27-FOOT DOUBLING POINT CHANNEL
 27-FOOT POPHAM BEACH CHANNEL
 BATH AND PHIPPSBURG, MAINE
 PLAN - POPHAM BEACH
 OPTION ITEM NO. 0003

SHEET IDENTIFICATION
C-103
 SHEET 5 OF 6

