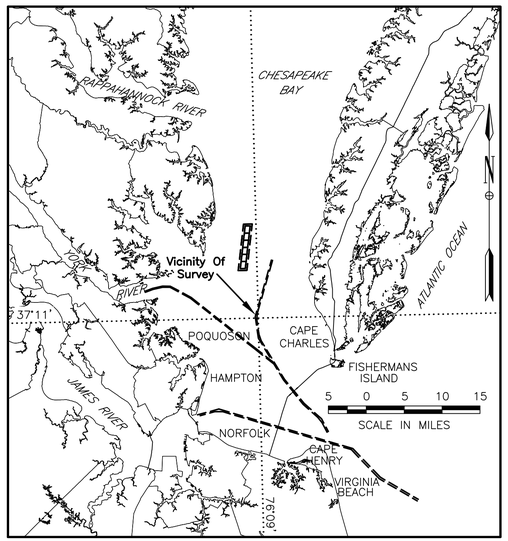
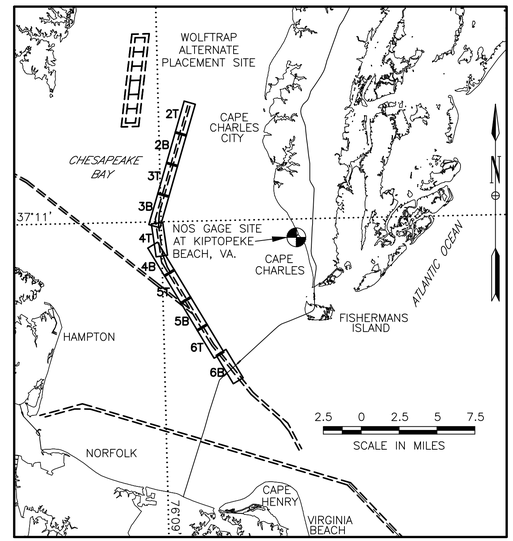
YORK SPIT CHANNEL
AFTER DREDGING
SURVEY OF APRIL - JULY 2011
BALTIMORE HARBOR AND CHANNELS, MD - VA



VICINITY MAP



LOCATION MAP

PROJECT DIMENSIONS: A channel 50 feet deep at Mean Lower Low Water (MLLW) 1,000 feet wide between the 50 foot contours in Chesapeake Bay, currently maintained to 800 feet wide.

MEAN LOWER LOW WATER (MLLW), National Tidal Datum Epoch (NTDE) of 1983–2001, was determined by the National Ocean Service (NOS) at Kiptopeke, Chesapeake Bay and is 1.90 feet below the North American Vertical Datum of 1988 (NAVD88). MLLW was transferred to York Spit Channel using a Tidal Zoning Plan furnished by NOS.

SOUNDINGS are in feet referred to NOS MLLW and were taken on 19 and 25 April; 7 May; 22, 28 and 29 June; and 1 and 2 July 2011. The darkened sounding(s) depict the controlling depth(s) for the channel/reach.

MEAN RANGE OF TIDE is 2.60 feet at Kiptopeke, Chesapeake Bay based on NOS observations, NTDE 1983–2001.

COORDINATES are referred to the Virginia State Plane Coordinate System, South Zone, in U.S. survey feet, and are based on the North American Datum of 1983.

DREDGING WAS PERFORMED by Great Lakes Dredge and Dock Company during the period of 9 January 2011 Through 24 April 2011 under contract No. W91236–10–C–0086 dated 28 September 2010.

COORDINATES OF CENTERLINE STATIONS

STATION	EAST (X)	NORTH (Y)
–162+00.0	12,177,131.39	3,639,115.80
247+49.8	12,165,871.13	3,599,744.56
397+49.7	12,168,062.75	3,584,905.62
735+99.7	12,185,535.20	3,555,913.60
841+30.0	12,192,166.35	3,547,733.46

COORDINATES OF WOLF TRAP ALTERNATE DREDGED MATERIAL PLACEMENT AREA

POINT	EAST (X)	NORTH (Y)
1	12,157,316.49	3,664,185.37
2	12,163,374.66	3,664,334.07
3	12,153,628.17	3,631,895.34
4	12,159,686.35	3,632,043.34
5	12,158,468.56	3,662,925.67
6	12,161,927.52	3,663,010.57
7	12,157,901.26	3,657,959.11
8	12,161,360.22	3,658,044.01
9	12,157,333.96	3,652,992.56
10	12,160,792.92	3,653,077.46
11	12,156,766.66	3,648,026.01
12	12,160,225.61	3,648,110.91
13	12,156,209.92	3,643,151.94
14	12,159,668.88	3,643,236.84
15	12,155,642.62	3,638,185.39
16	12,159,101.57	3,638,270.29
17	12,155,075.31	3,633,218.84
18	12,158,534.27	3,633,303.74

BENCHMARKS

BENCHMARK	ELEVATION
USC&GS "L 418, 1963"	+9.80'
USC&GS "NO. 4, 1958"	+10.84'
NOS "2200 B, 1980"	+9.90'
Elevations are relative to NOS MLLW, 1983–2001 NTDE	

LEGEND

AREA DREDGED

LIMITS OF CHANNEL

OBSTRUCTION

The information depicted on this map represents the results of surveys made on the date(s) indicated and can only be considered as indicating the general conditions existing at that time.

INDEX TO DRAWINGS

SHEET NO.	TITLE	FILE NUMBER
1	TITLE SHEET	YSC.2011–07–12.AD(1)
2	MAPPING SHEET	YSC.2011–07–12.AD(2)
3	MAPPING SHEET	YSC.2011–07–12.AD(3)
4	MAPPING SHEET	YSC.2011–07–12.AD(4)
5	MAPPING SHEET	YSC.2011–07–12.AD(5)
6	MAPPING SHEET	YSC.2011–07–12.AD(6)

SIGNATURES AFFIXED BELOW INDICATE OFFICIAL RECOMMENDATION AND APPROVAL OF ALL DRAWINGS IN THIS SET AS INDICATED ON INDEX TO DRAWINGS.

DEPARTMENT OF THE ARMY
NORFOLK DISTRICT, CORPS OF ENGINEERS
NORFOLK, VIRGINIA

REVIEWED: CHIEF, NAVIGATION SUPPORT AND SURVEY SECTION
APPROVED: CHIEF, OPERATIONS BRANCH
SUBMITTED: CHIEF, DESIGN SECTION
APPROVED: CHIEF, WATER RESOURCES DIVISION

US Army Corps of Engineers Norfolk District

REV.	DATE	DESCRIPTION	BY	APP.

DESIGNED: DATE: 11 OCT 11
DRAWN: P.M.R. CHECKED: R.W.S.
SCALE: AS SHOWN
NORFOLK DISTRICT FILE NO.: YSC.2011–07–12.AD (1)
DRAWING NO.:
SURVEYED BY: T.H.W.

NORFOLK DISTRICT CORPS OF ENGINEERS NORFOLK, VIRGINIA

YORK SPIT CHANNEL
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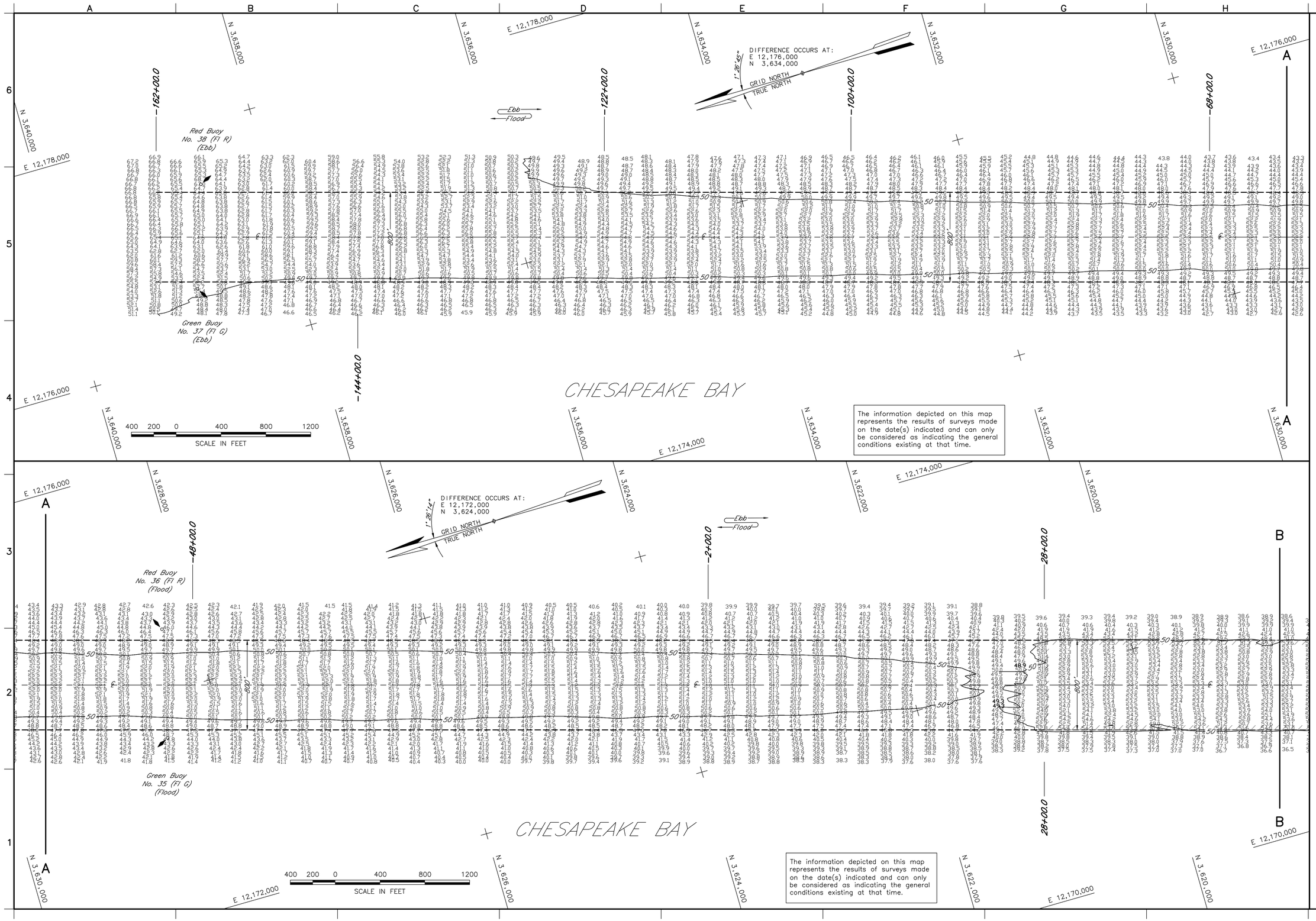
SURVEY OF APRIL - JULY 2011
BALTIMORE HARBOR AND CHANNELS, MD - VA

SHEET 1 OF 6



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US Army Corps of Engineers
Norfolk District

REV.	DATE	DESCRIPTION	BY	APP.

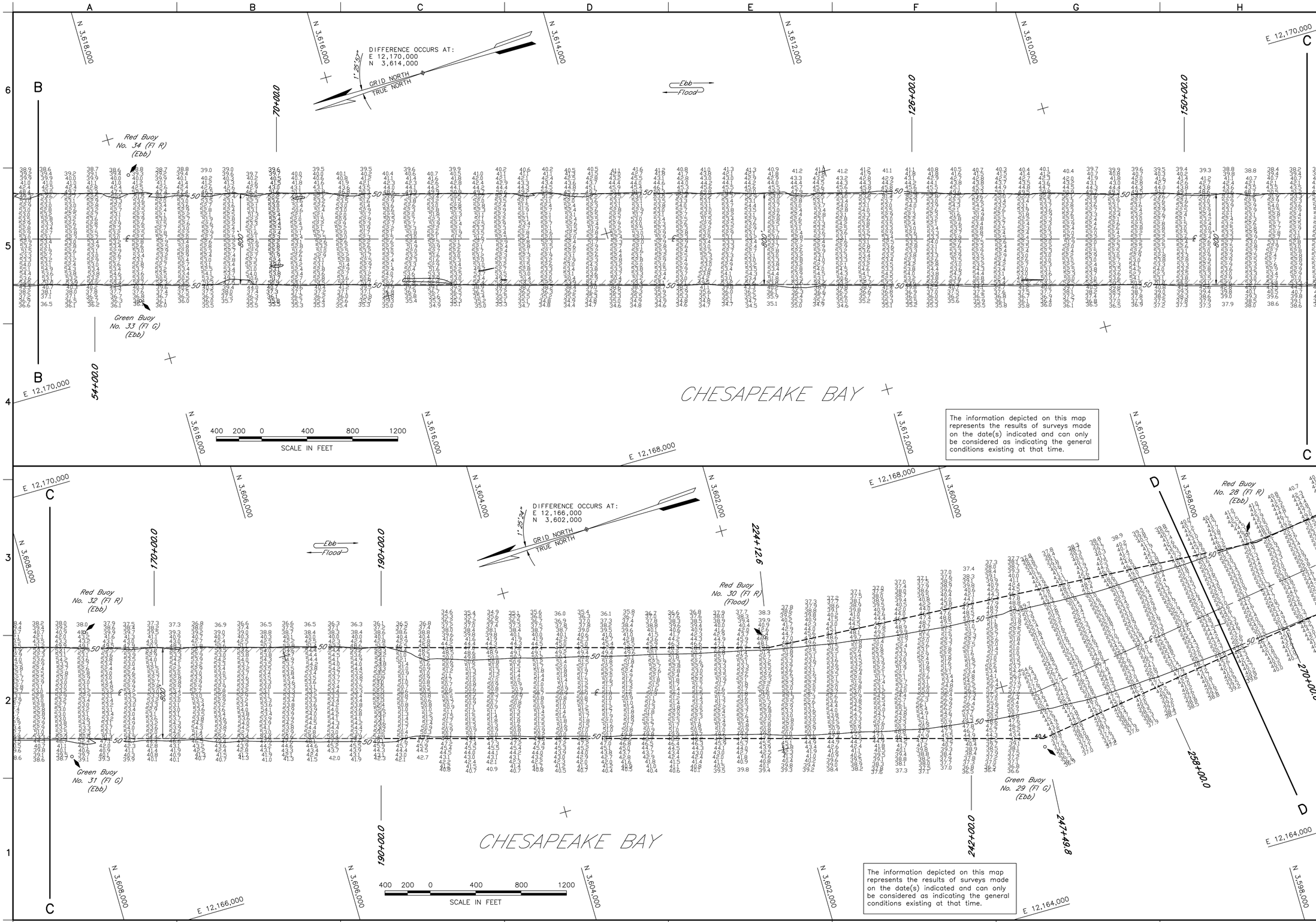
DATE: OCT 11
SCALE: AS SHOWN
DRAWN: P.M.R.
CHECKED: R.W.S.
DESIGNED: D.H.S.
SURVEYED: T.H.W.
NORFOLK DISTRICT FILE NO.: YSC.2011-07-12.AD (2)
DRAWING NO.:

NORFOLK DISTRICT
CORPS OF ENGINEERS
NORFOLK, VIRGINIA

YORK SPIT CHANNEL AFTER DREDGING SURVEY OF APRIL - JULY 2011

BALTIMORE HARBOR AND CHANNELS, MD - VA

SHEET 2 OF 6



US Army Corps of Engineers
Norfolk District

REV.	DATE	DESCRIPTION	BY	APP.

DATE: 11 OCT 11
SCALE: AS SHOWN
FILE NO.: YSC.2011-07-12.AD (3)
DRAWING NO.:

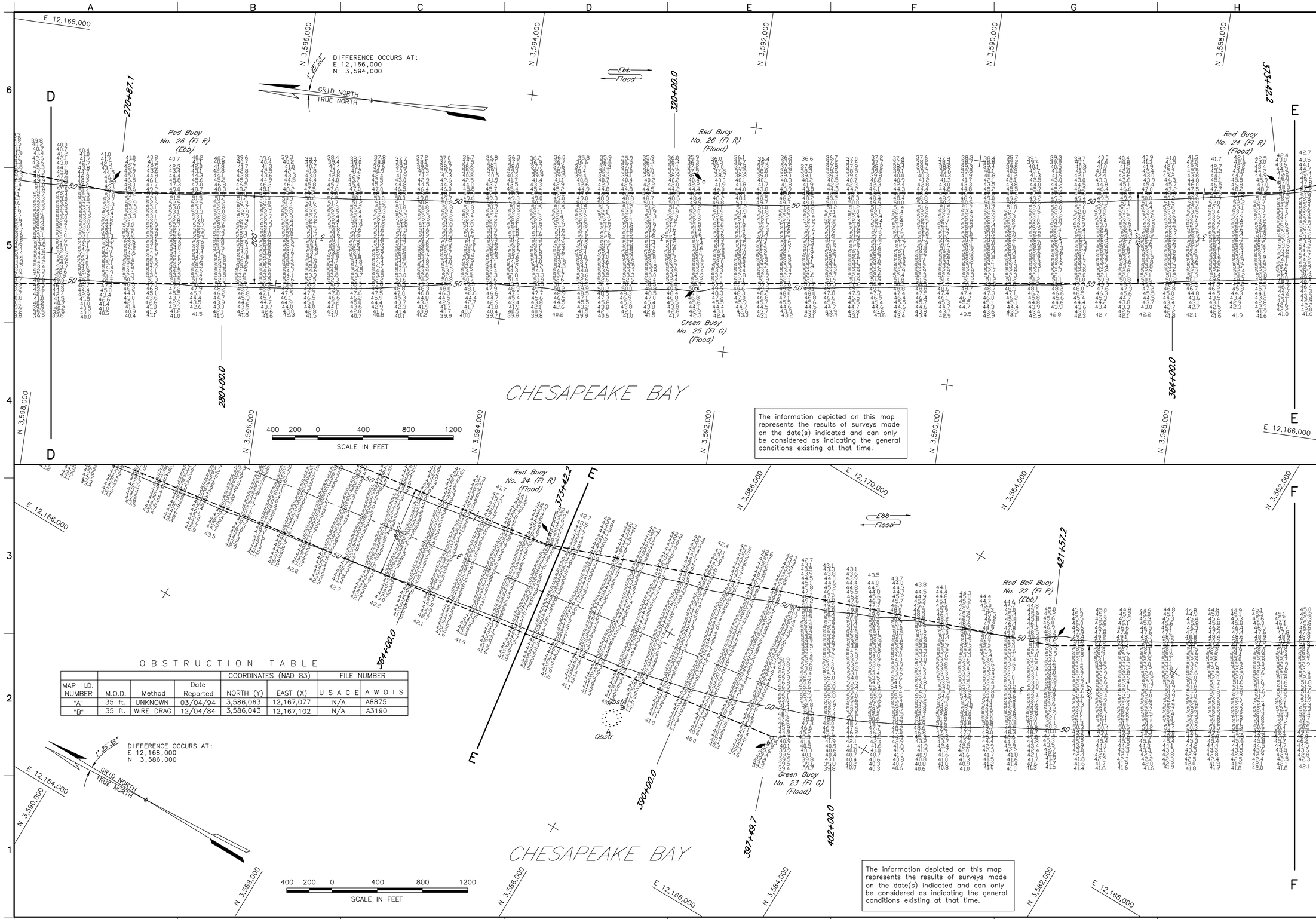
DESIGNED: R.W.S.
CHECKED: R.W.S.
DRAWN: P.M.R.
REVIEWED: D.H.S.
SURVEYED BY: T.H.W.

NORFOLK DISTRICT
CORPS OF ENGINEERS
NORFOLK, VIRGINIA

YORK SPIT CHANNEL AFTER DREDGING SURVEY OF APRIL - JULY 2011

BALTIMORE HARBOR AND CHANNELS, MD - VA

SHEET 3 OF 6



OBSTRUCTION TABLE

MAP I.D. NUMBER	M.O.D.	Method	Date Reported	COORDINATES (NAD 83) NORTH (Y)	COORDINATES (NAD 83) EAST (X)	FILE NUMBER USACE	FILE NUMBER AWOIS
"A"	35 ft.	UNKNOWN	03/04/94	3,586,063	12,167,077	N/A	A8875
"B"	35 ft.	WIRE DRAG	12/04/84	3,586,043	12,167,102	N/A	A3190

US Army Corps of Engineers
Norfolk District

REV.	DATE	DESCRIPTION	BY	APP.

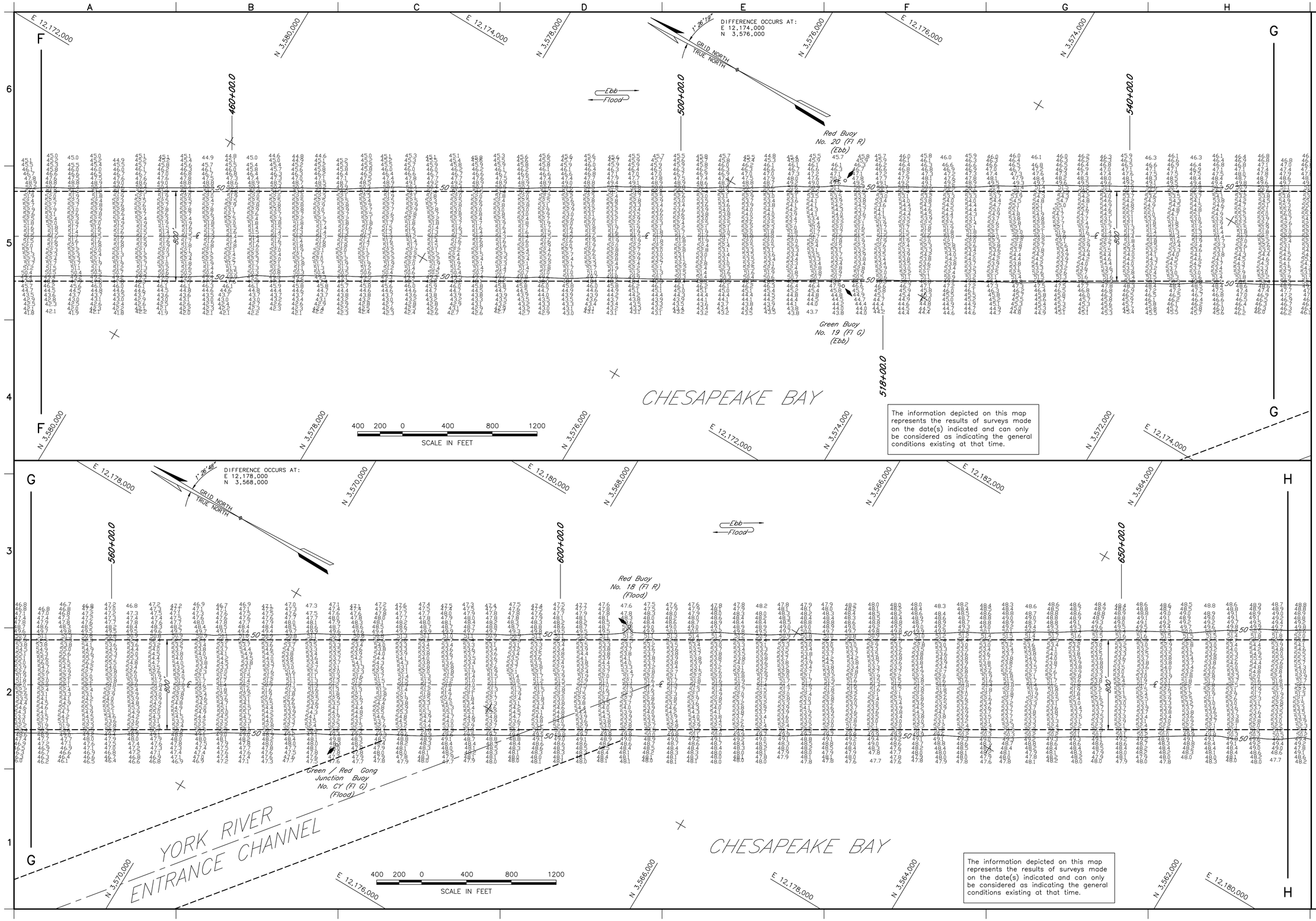
DATE: OCT 11
SCALE: AS SHOWN
DESIGNED: R.W.S.
DRAWN: P.M.R.
CHECKED: R.W.S.
SUBMITTED: D.H.S.
NORFOLK DISTRICT FILE NO.: YSC.2011-07-12.AD (4)
DRAWING NO.:
SURVEYED BY: T.H.W.

NORFOLK DISTRICT
CORPS OF ENGINEERS
NORFOLK, VIRGINIA

YORK SPIT CHANNEL AFTER DREDGING SURVEY OF APRIL - JULY 2011

BALTIMORE HARBOR AND CHANNELS, MD - VA

SHEET 4 OF 6



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US Army Corps of Engineers
Norfolk District

REV.	DATE	DESCRIPTION	BY	APP.

DESIGNED: | CHECKED: R.W.S. | DATE: 11 OCT 11
DRAWN: P.M.R. | SUBMITTED: D.H.S. | SCALE: AS SHOWN
NORFOLK DISTRICT FILE NO.: YSC.2011-07-12.AD (5)
DRAWING NO.:
SURVEYED BY: T.H.W.

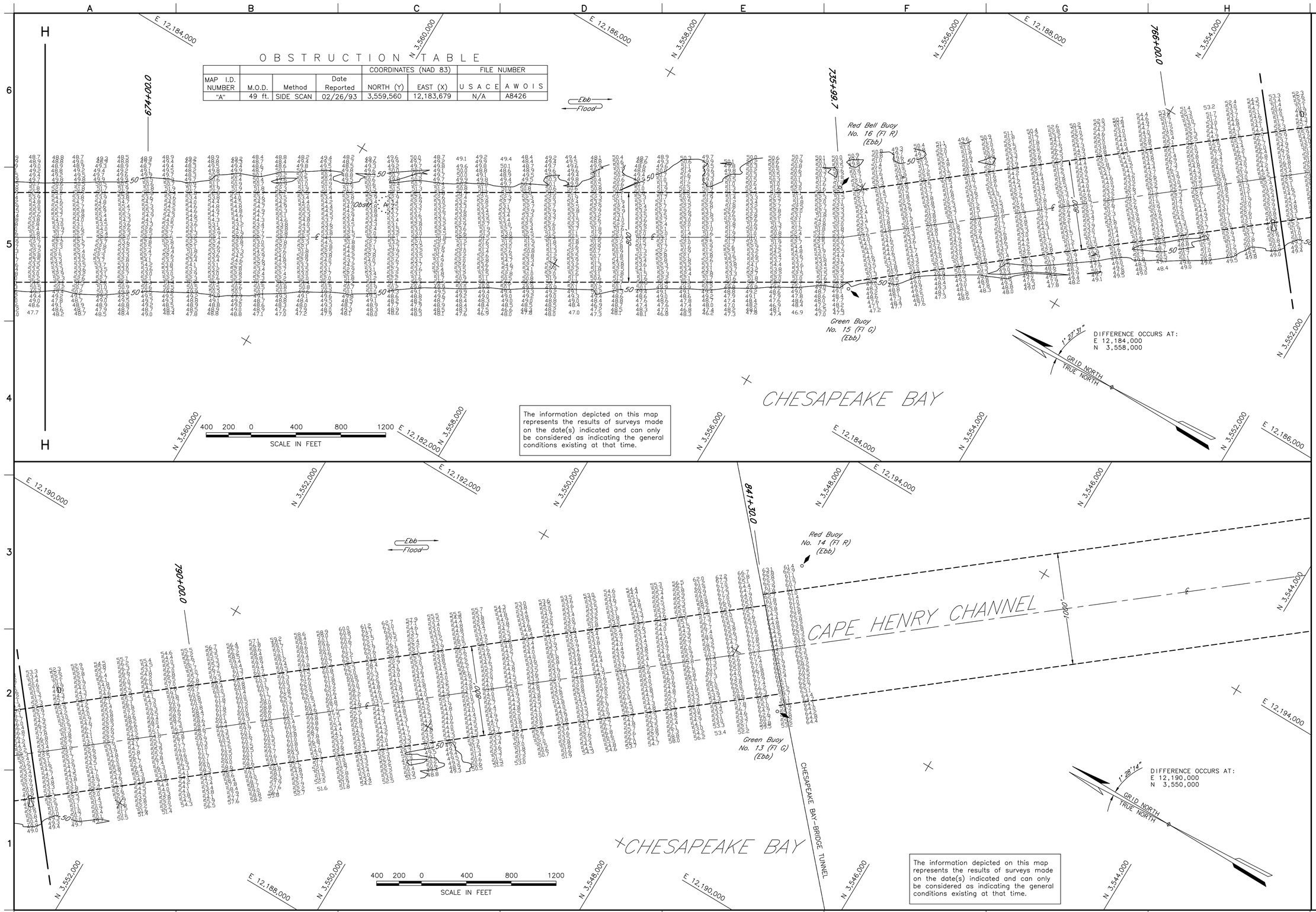
NORFOLK DISTRICT
CORPS OF ENGINEERS
NORFOLK, VIRGINIA

YORK SPIT CHANNEL AFTER DREDGING
SURVEY OF APRIL - JULY 2011
BALTIMORE HARBOR AND CHANNELS, MD - VA

SHEET 5 OF 6

OBSTRUCTION TABLE

MAP I.D. NUMBER	M.O.D.	Method	Date Reported	COORDINATES (NAD 83) NORTH (Y)	EAST (X)	FILE NUMBER U S A C E	A W O I S
"A"	49 ft.	SIDE SCAN	02/26/93	3,559,560	12,183,679	N/A	A8426



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US Army Corps of Engineers
Norfolk District

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DRAWN: P.M.R.
CHECKED: R.W.S.
SUBMITTED: D.H.S.
DATE: 11 OCT 11
SCALE: AS SHOWN
NORFOLK DISTRICT FILE NO.: YSC.2011-07-12.AD (6)
DRAWING NO.:
SURVEYED BY: T.H.W.

NORFOLK DISTRICT
CORPS OF ENGINEERS
NORFOLK, VIRGINIA

YORK SPIT CHANNEL AFTER DREDGING
SURVEY OF APRIL - JULY 2011
BALTIMORE HARBOR AND CHANNELS, MD - VA

SHEET 6 OF 6