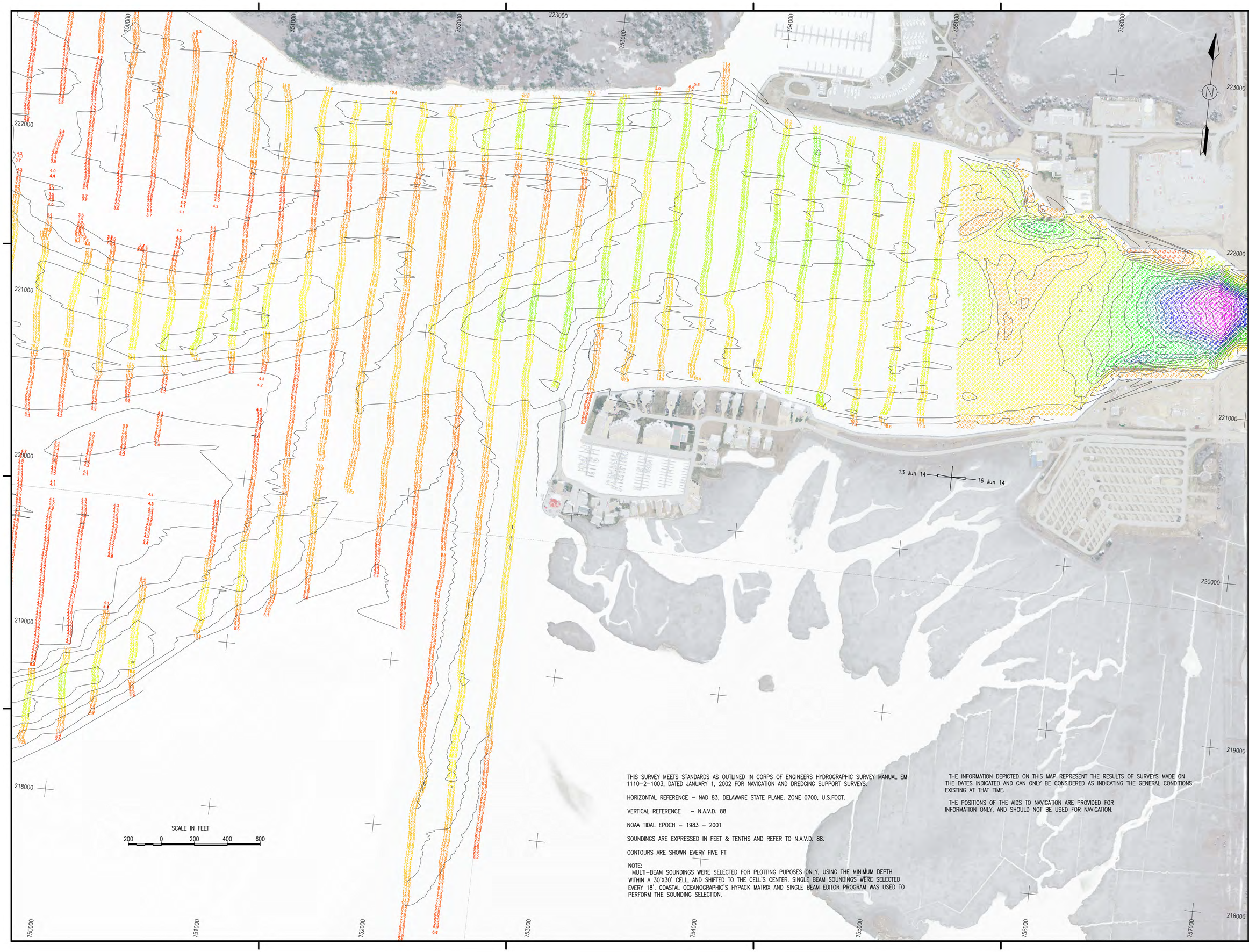


THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003, DATED JANUARY 1, 2002 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

HORIZONTAL REFERENCE – NAD 83, DELAWARE STATE PLANE, ZONE 0700, U.S.FOOT.

VERTICAL REFERENCE – N.A.V.D. 88

NOAA TIDAL EPOCH – 1983 – 2001

SOUNDINGS ARE EXPRESSED IN FEET & TENTHS AND REFER TO N.A.V.D. 88.

CONTOURS ARE SHOWN EVERY FIVE FT

NOTE:
MULTI-BEAM SOUNDINGS WERE SELECTED FOR PLOTTING PUPOSES ONLY, USING THE MINIMUM DEPTH WITHIN A 30'X30' CELL, AND SHIFTED TO THE CELL'S CENTER. SINGLE BEAM SOUNDINGS WERE SELECTED EVERY 18'. COASTAL OCEANOGRAPHIC'S HYPACK MATRIX AND SINGLE BEAM EDITOR PROGRAM WAS USED TO PERFORM THE SOUNDING SELECTION.

THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.

US Army Corps of Engineers
Philadelphia District

MARK	ACTION	BY	DATE	DESCRIPTION

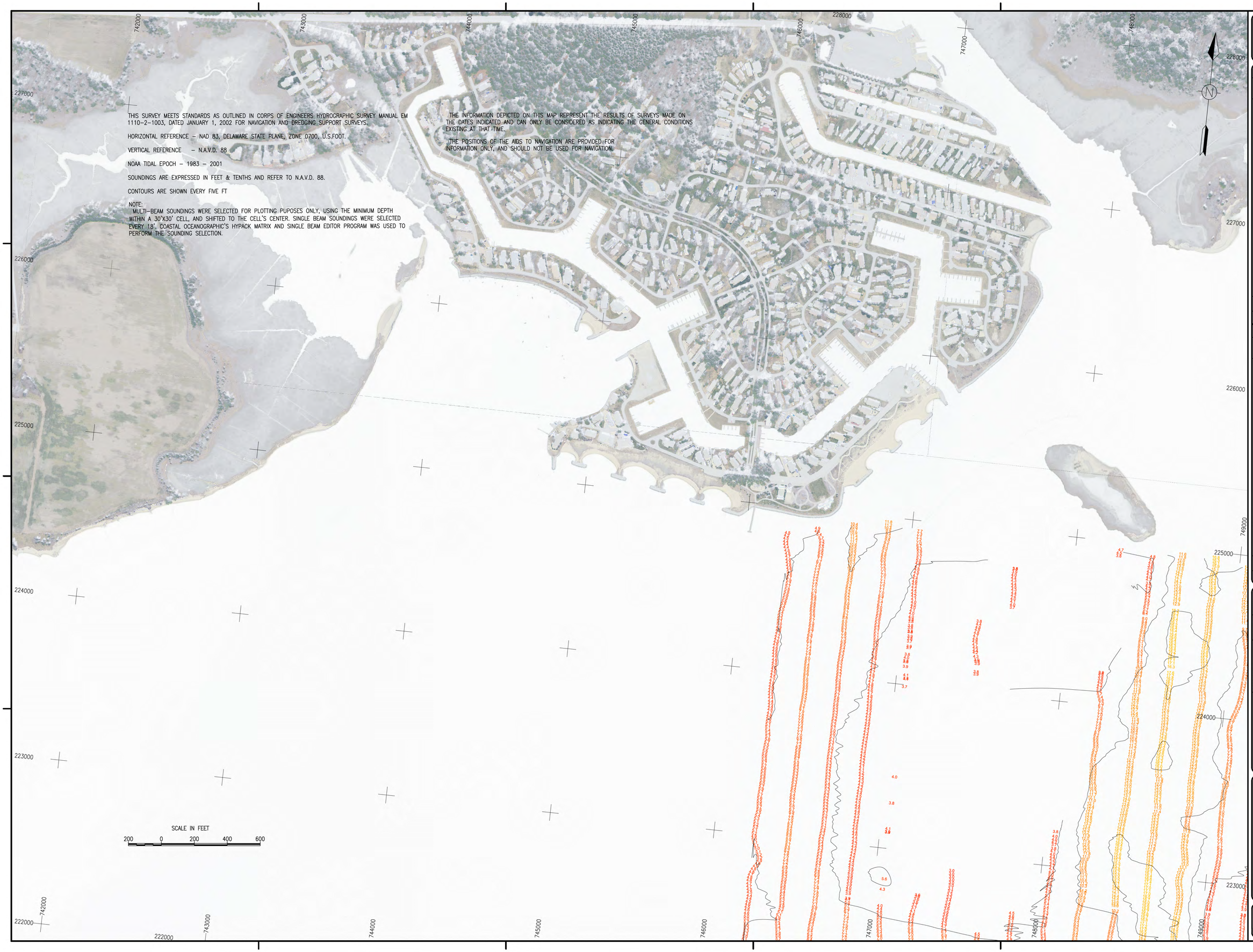
MARK	ACTION	BY	DATE	DESCRIPTION

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3390
www.nap.usace.army.mil

PROCESSED BY: W.Miller
DIGITIZED BY: W.Miller
CKD BY:
REVIEWED BY:
PLOT DATE: 24Sep14
CONTRACT NUMBER:
APPROVED BY:
SURVEY DATE: As Shown
DWG SCALE: As Shown
VESSEL: Sturrus
PLOTTED BY: MILLER, WILLIAM J NAP
FILE NAME: INDIANRIVER.dwg
REVISION REV

DELAWARE SHORE
INDIAN RIVER INLET
EXAMINATION
EBB AND FLOOD SHOALS

SHEET NUMBER
V-104



THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003, DATED JANUARY 1, 2002 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

HORIZONTAL REFERENCE – NAD 83, DELAWARE STATE PLANE, ZONE 0700, U.S.FOOT.

VERTICAL REFERENCE – N.A.V.D. 88

NOAA TIDAL EPOCH – 1983 – 2001

SOUNDINGS ARE EXPRESSED IN FEET & TENTHS AND REFER TO N.A.V.D. 88.

CONTOURS ARE SHOWN EVERY FIVE FT

NOTE:
MULTI-BEAM SOUNDINGS WERE SELECTED FOR PLOTTING PUPOSES ONLY, USING THE MINIMUM DEPTH WITHIN A 30'X30' CELL, AND SHIFTED TO THE CELL'S CENTER. SINGLE BEAM SOUNDINGS WERE SELECTED EVERY 18'. COASTAL OCEANOGRAPHIC'S HYPACK MATRIX AND SINGLE BEAM EDITOR PROGRAM WAS USED TO PERFORM THE SOUNDING SELECTION.

THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.

US Army Corps of Engineers
Philadelphia District

MARK	ACTION	DESCRIPTION	DATE	BY

MARK	ACTION	DESCRIPTION	DATE	BY

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3390
www.nap.usace.army.mil

PROCESSED BY: W.Miller
DWN BY: W.Miller
CKD BY:
REVIEWED BY:
SURVEY DATE: 13 Jun 14
DWG SCALE: ########
VESSEL: Little Giant
FILE NAME: IndianRiverInlet.dwg
PLOT DATE: 4-Sep-14
REVISION REV
CONTRACT NUMBER:
APPROVED BY:
PLOTTED BY: MILLER, WILLIAM H NAP

DELAWARE SHORE
INDIAN RIVER INLET
EXAMINATION
EBB AND FLOOD SHOALS

SHEET NUMBER
V-105

THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003, DATED JANUARY 1, 2002 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

HORIZONTAL REFERENCE – NAD 83, DELAWARE STATE PLANE, ZONE 0700, U.S.FOOT.

VERTICAL REFERENCE – N.A.V.D. 88

NOAA TIDAL EPOCH – 1983 – 2001

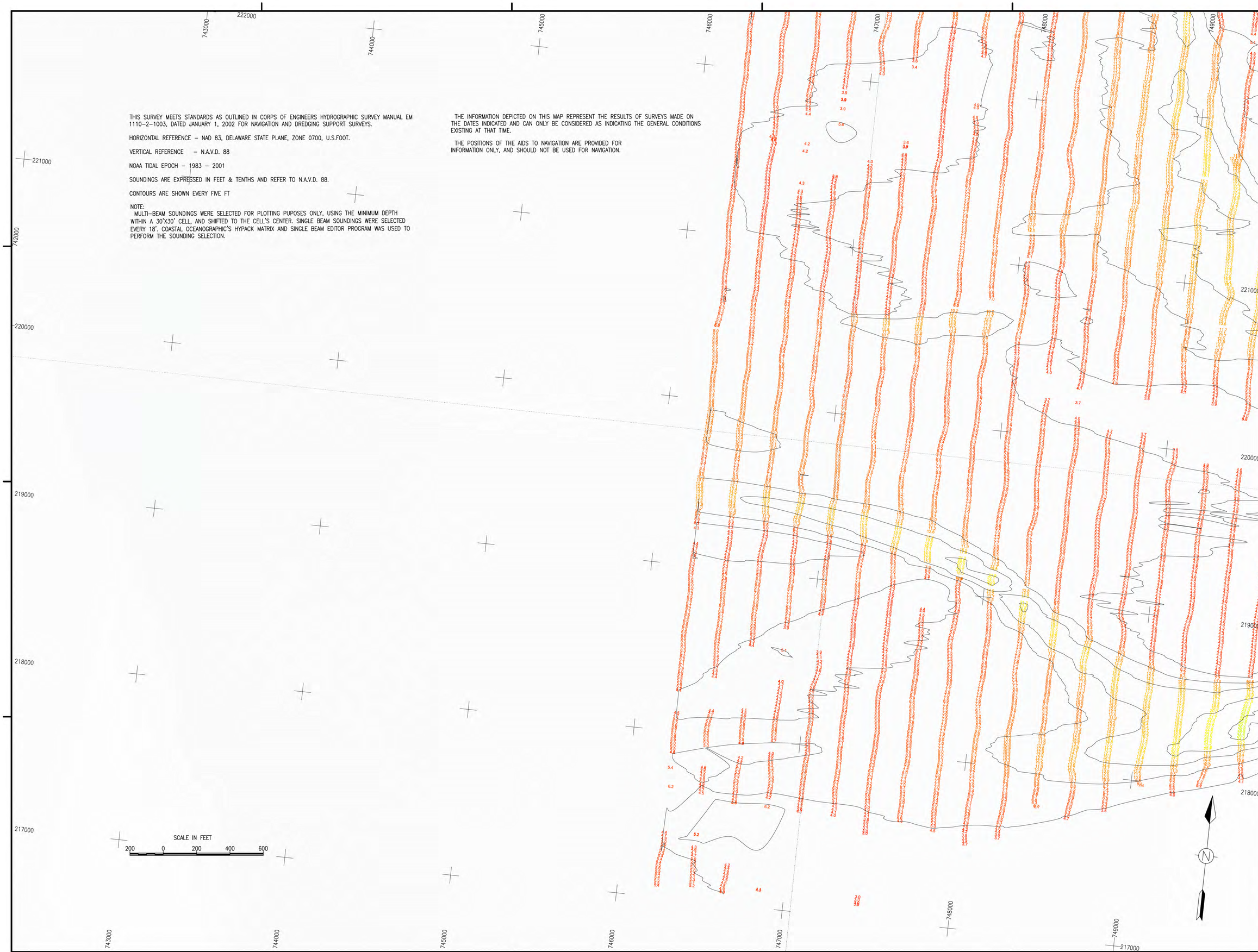
SOUNDINGS ARE EXPRESSED IN FEET & TENTHS AND REFER TO N.A.V.D. 88.

CONTOURS ARE SHOWN EVERY FIVE FT

NOTE:
MULTI-BEAM SOUNDINGS WERE SELECTED FOR PLOTTING PUPOSES ONLY, USING THE MINIMUM DEPTH WITHIN A 30'X30' CELL, AND SHIFTED TO THE CELL'S CENTER. SINGLE BEAM SOUNDINGS WERE SELECTED EVERY 18'. COASTAL OCEANOGRAPHIC'S HYPACK MATRIX AND SINGLE BEAM EDITOR PROGRAM WAS USED TO PERFORM THE SOUNDING SELECTION.

THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.



US Army Corps of Engineers
Philadelphia District

MARK	ACTION	DESCRIPTION	DATE	BY

MARK	ACTION	DESCRIPTION	DATE	BY

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3390
www.nap.usace.army.mil

PROCESSED BY: W.Miller
DWN BY: W.Miller
CKD BY:
REVIEWED BY:
SURVEY DATE: 13 Jun 14
DWG SCALE: ########
VESSEL: Little Giant
FILE NAME: IndianRiverInlet.dwg
PLOT DATE: 4-Sep-14
REVISION REV
CONTRACT NUMBER:
APPROVED BY:
PLOTTED BY: MILLER, WILLIAM H NAP

DELAWARE SHORE
INDIAN RIVER INLET
EXAMINATION
EBB AND FLOOD SHOALS

SHEET NUMBER
V-106