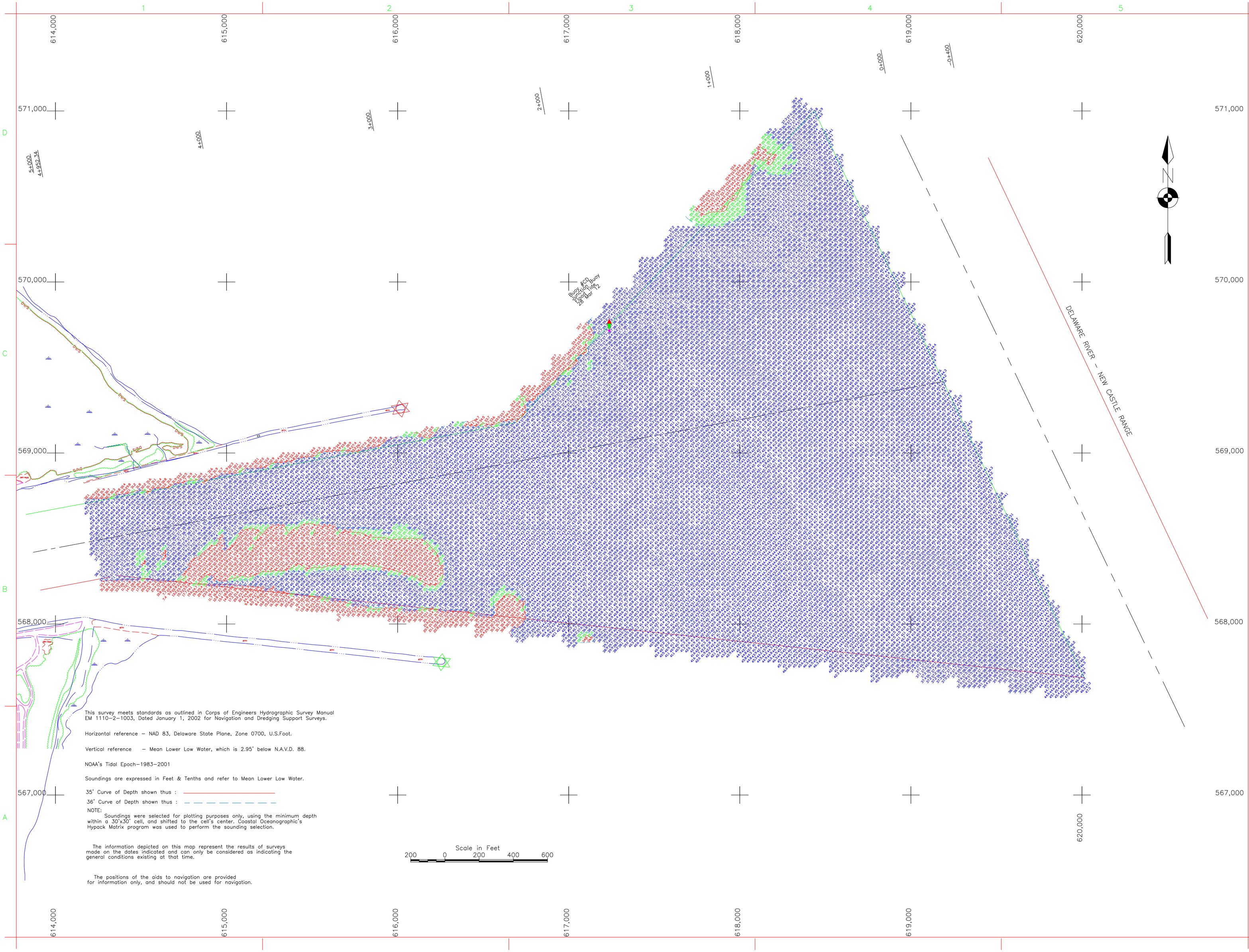


This survey meets standards as outlined in Corps of Engineers Hydrographic Survey Manual EM 1110-2-1003, Dated January 1, 2002 for Navigation and Dredging Support Surveys.

Horizontal reference – NAD 83, Delaware State Plane, Zone 0700, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 2.95' below N.A.V.D. 88.

NOAA's Tidal Epoch–1983–2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

35' Curve of Depth shown thus :

36' Curve of Depth shown thus :

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix 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 | Description | Date | Appr. |
|---|---|---|---|

| Designed by: | Date: | Rev. |
|---|---|---|
| Dwn by: | Ckd by: | IFB W912BU– |
| Reviewed by: | | Drawing code: XXX |
| Submitted by: | | Plot date: 04/11/2012 |
| Chief, Arch. Branch | | Plot scale: 1in to 200 ft |

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

| TRACED BY | PLOTTED BY | DRAWING NO. |
|---|---|---|
| J.A.Groch | J.A.Caraballo | 63297 |
| SURVEYED BY | DATE SURVEYED | APPROVED |
| J.Gray | 26,28 Mar 12 | CHIEF, SURVEY BRANCH |

INLAND WATERWAY
CHESAPEAKE & DELAWARE CANAL
EXAMINATION
STA.–0+400 TO STA.5+000

Sheet reference number:

Sheet 1 of 15

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 – Mean Lower Low Water, which is 2.95' below N.A.V.D. 88.

NOAA's Tidal Epoch–1983–2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix 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.

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Scale in Feet
200 0 200 400 600

US Army Corps of Engineers
Philadelphia District

| Mark | Description | Date | Appr. |
|---|---|---|---|
| | | | |

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

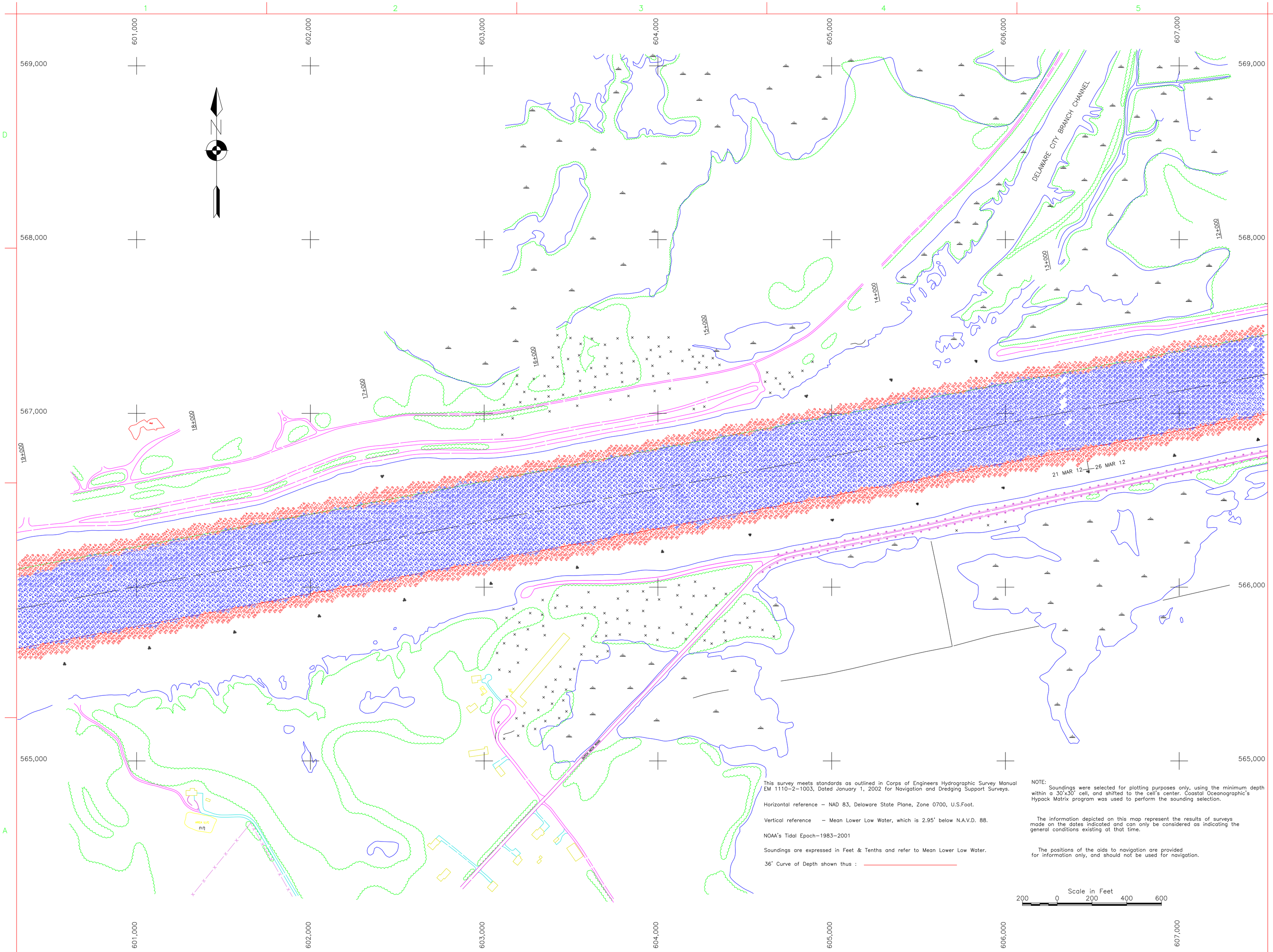
| | | | |
|---|---|---|---|
| TRACED BY J.A.Grach | PLOTTED BY J.A.Caraballo | DRAWING NO. 63296 | |
| SURVEYED BY J.Gray | DATE SURVEYED 26 Mar 12 | APPROVED Chief, Arch. Branch | |

Designed by: | Date: | Rev:
Dwn by: | Ckd by: | Reviewed by: | IFB: W912BJ-- | Drawing code:
Submitted by: | File name: | Plot date: 04/11/2012 | Plot scale: 1in. to 200 ft.

INLAND WATERWAY
CHESAPEAK & DELAWARE CANAL
EXAMINATION
STA.5+000 TO STA.12+000

Sheet reference number:

Sheet 2 of 15




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 – Mean Lower Low Water, which is 2.95' below N.A.V.D. 88.

NOAA's Tidal Epoch-1983-2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix 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.

Scale in Feet
200 0 200 400 600

US Army Corps of Engineers
Philadelphia District

| Mark | Description | Date | Appr. |
|---|---|---|---|
| | | | |

Rev:

Designed by: | Date:
Dwn by: | Ckd by: | Reviewed by: | IFB: W912BJ-
Submitted by: | Drawing code:
Chief, Arch. Branch | File name: | Plot date: 04/10/2012 | Plot scale: 1in. to 200 ft.

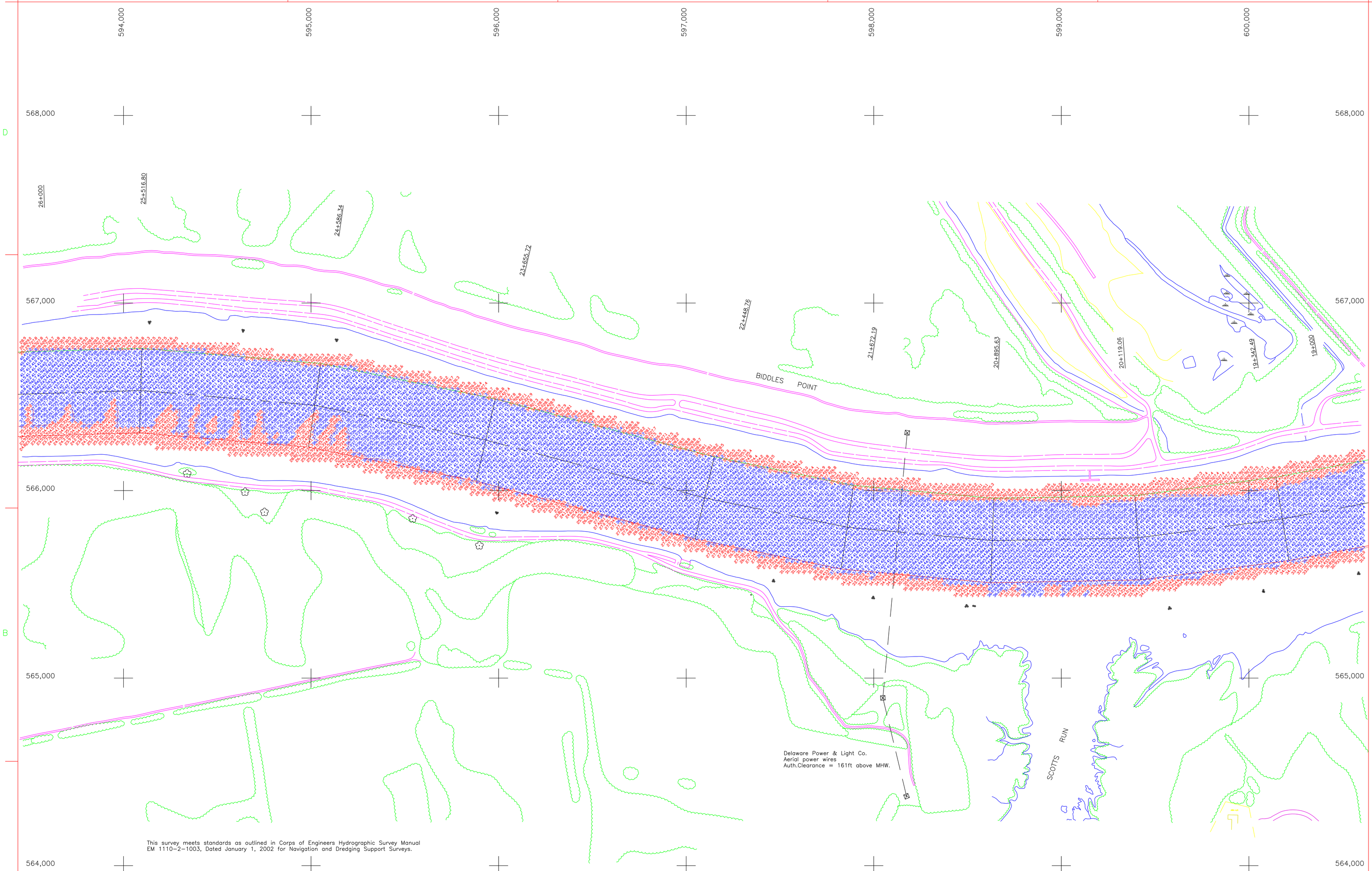
U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Grach | PLOTTED BY J.A.Caraballo | DRAWING NO. 63294
SURVEYED BY J.Gray | DATE SURVEYED As Shown | APPROVED
PDF SPEC 1000

INLAND WATERWAY
CHESAPEAKE & DELAWARE CANAL
EXAMINATION
STA.12+000 TO STA.19+000

Sheet reference number:

Sheet 3 of 15




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 – Mean Lower Low Water, which is below N.A.V.D. 88 by the following:
from Sta.19+000 to Sta.19+342.49 it is 2.95'
from Sta.19+342.49 to Sta.20+119.06 it is 2.75'
from Sta.20+119.06 to Sta.20+895.63 it is 2.73'
from Sta.20+895.63 to Sta.21+672.19 it is 2.72'
from Sta.21+672.19 to Sta.22+448.76 it is 2.70'
from Sta.22+448.76 to Sta.23+655.72 it is 2.68'
from Sta.23+655.72 to Sta.24+586.34 it is 2.66'
from Sta.24+586.34 to Sta.25+516.80 it is 2.64'
from Sta.25+516.80 to Sta.26+000 it is 2.62'

NOAA's Tidal Epoch-1983-2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix 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.

Scale in Feet
200 0 200 400 600

US Army Corps of Engineers
Philadelphia District

| Mark | Description | Date | Appr. |
|---|---|---|---|
| | | | |

Designed by:
Dwn by: Ckd by:
Reviewed by:
Submitted by:
Chief, Arch. Branch
Date:
IFB: W912BJ-
Drawing code:
Rev:
File name:
Plot date: 04/05/2012
Plot scale: 1in. to 200 ft

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Grach
PLOTTED BY J.A.Caraballo
DRAWING NO. 63293
SURVEYED BY J.Gray
DATE SURVEYED 21 Mar 12
APPROVED
Chief, Arch. Branch

INLAND WATERWAY
CHESAPEAKE & DELAWARE CANAL
EXAMINATION
STA.19+000 TO STA.26+000

Sheet reference number:
Sheet 4 of 15