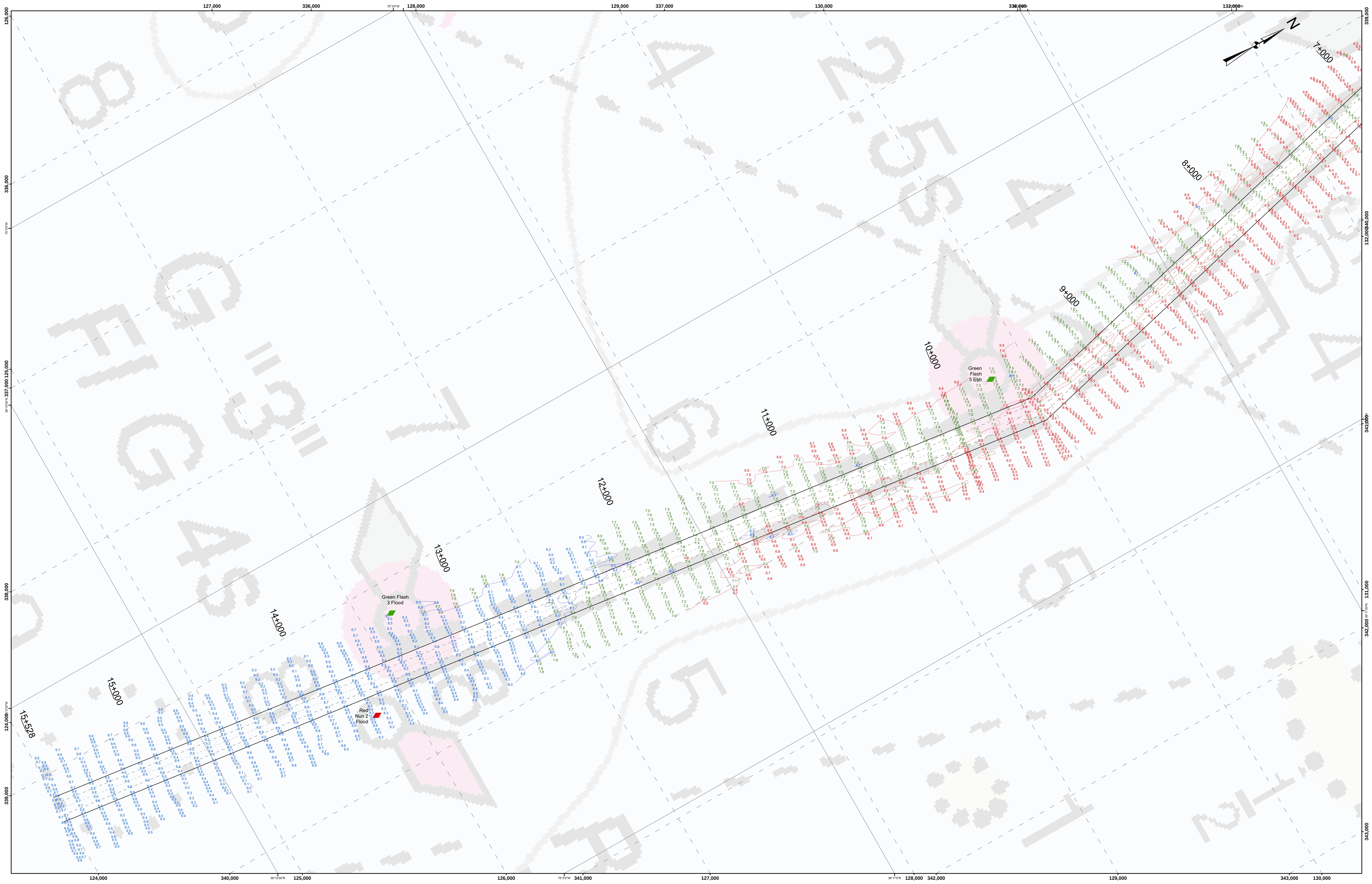

US Army Corps of Engineers
Philadelphia District

STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
STA. 3+000 (approach) to STA. 10+000 (approach) -- 07 NOV 22
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23

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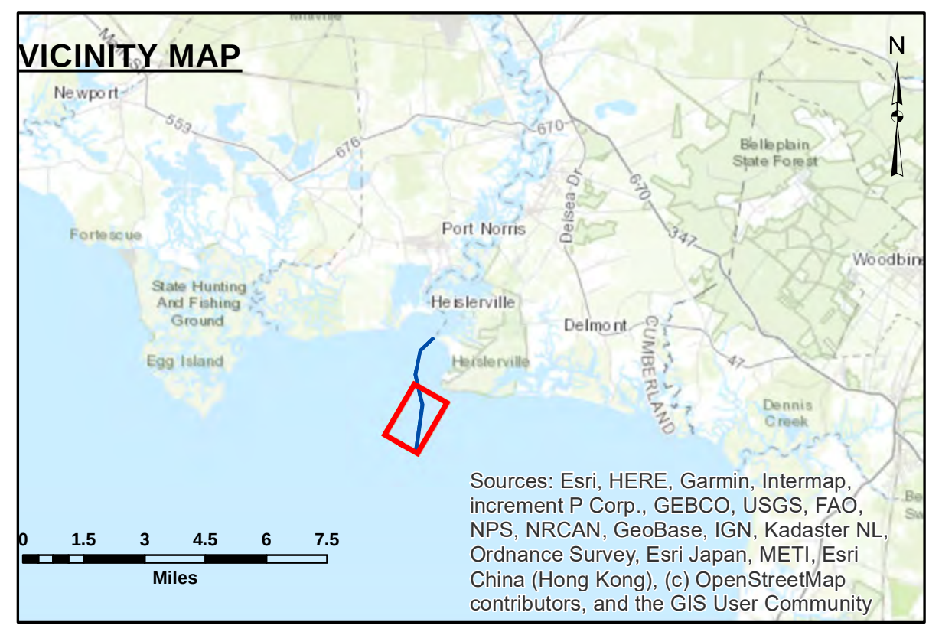
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:
Drawing No:
Plotted By: E. Anthony
Plot Scale:
Checked By:
Approved: Chief, Surveys Section

Maurice River, NJ
Examination

E-MA-04

VICINITY MAP


N
0 1.5 3 4.5 6 7.5
Miles
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.

3. VERTICAL REFERENCE – MEAN LOWER LOW WATER, WHICH IS 3.41' BELOW N.A.V.D. 88.

4. GEOID 12B AND NOAA TIDAL EPOCH: 1983 – 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

5. CONTOURS WERE GENERATED USING THE MINIMUM DEPTH WITHIN SEARCH RADIUS OF 18'.

6. HYPACK, INC. SOFTWARE WAS USED TO PERFORM THE SOUNDING SELECTION AND CONTOUR GENERATION.

7. 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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9. THE LIMITS OF THE FEDERAL CHANNEL DEPICT THE MOST CURRENT CHANNEL FRAMEWORK AVAILABLE WHICH CAN ALSO BE DOWNLOADED HERE:

http://navigation.usace.army.mil/Survey/Framework

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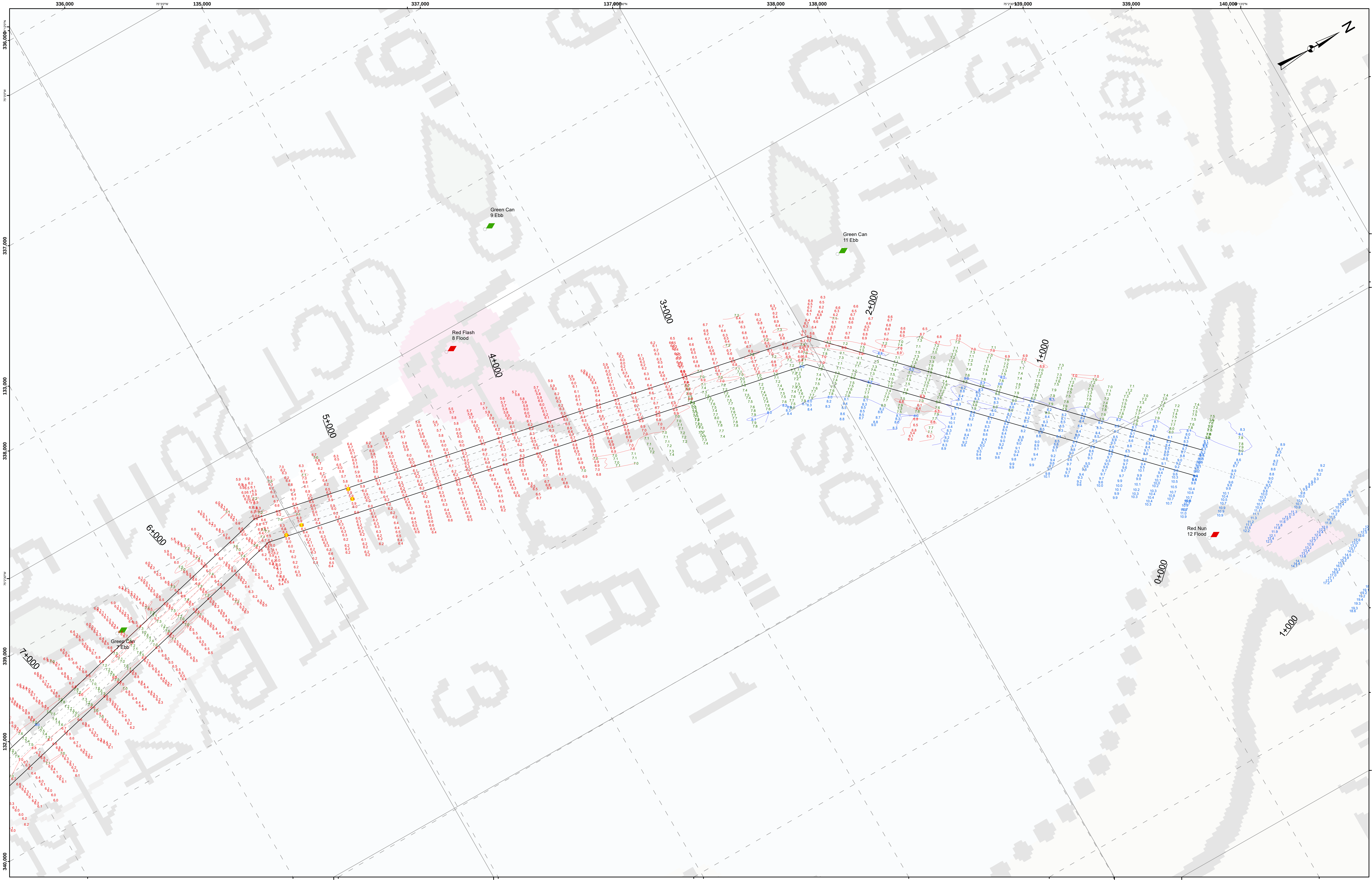
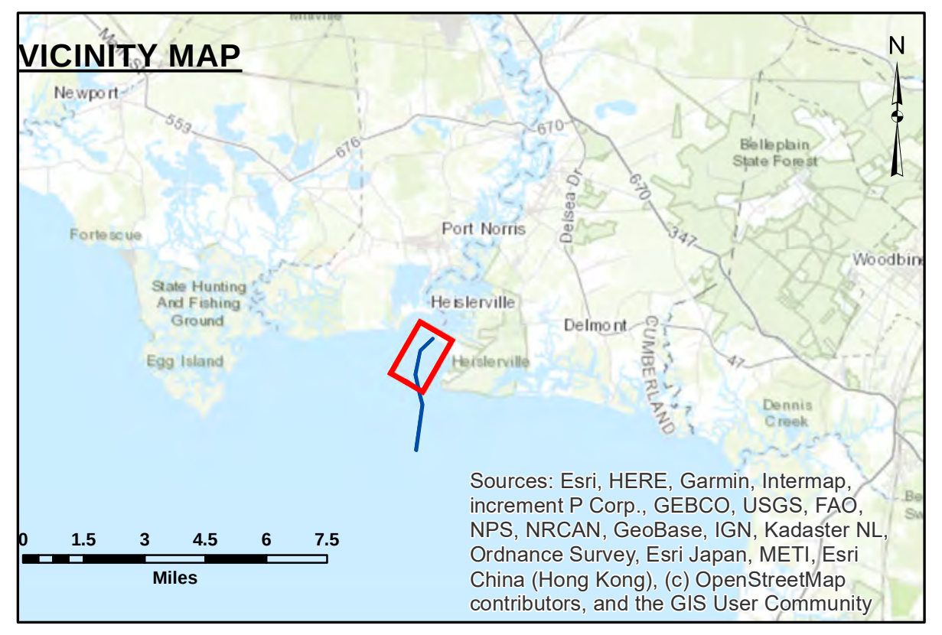
Scale in Feet
200 0 200 400 600

—	7 ' Curve of Depth
—	8 ' Curve of Depth
- - -	CenterLine
—	ToeLine
- - -	QuarterLine
—	StationLine





Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Scale in Feet
200 0 200 400 600

7 ' Curve of Depth
8 ' Curve of Depth
CenterLine
ToeLine
QuarterLine
StationLine

US Army Corps
of Engineers
Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23
STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
STA. 3+000 (approach) to STA. 10+000 (approach) -- 07 NOV 22
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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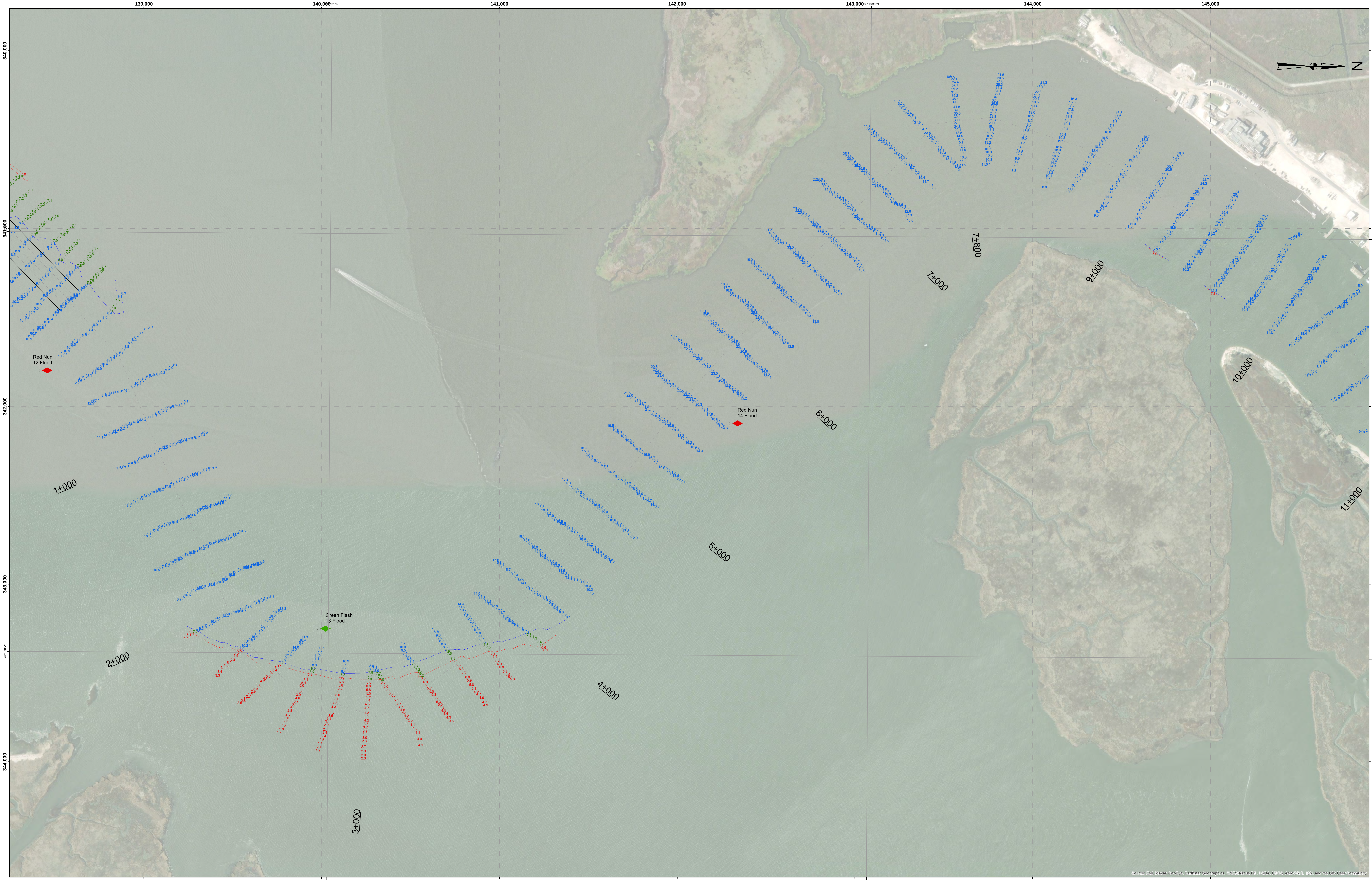
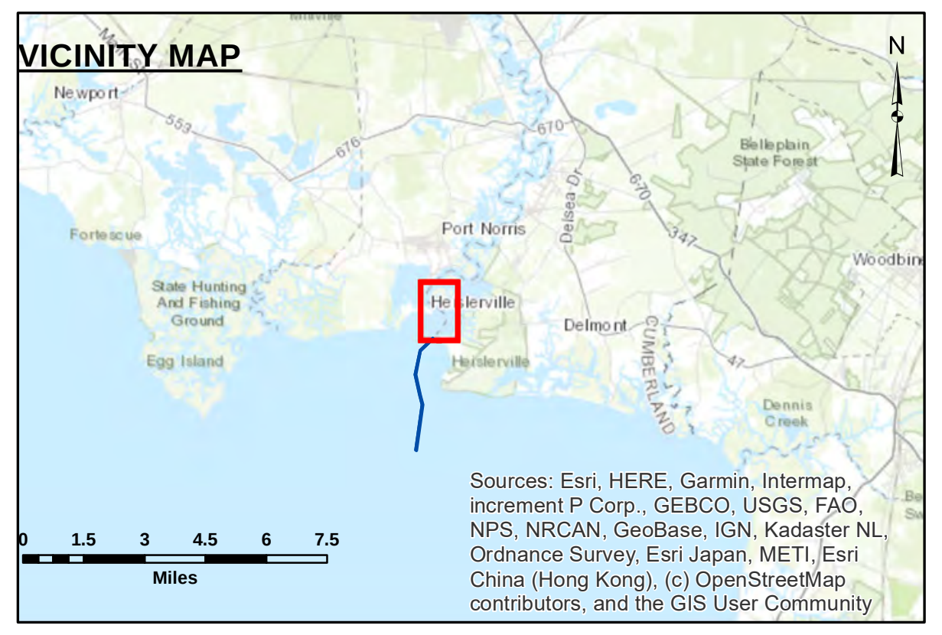
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Drawing No:
Plot Scale:
Approved:
Chief, Surveys Section
Surveyed By:
Plotted By:
E. Anthony
Checked By:

Maurice River, NJ
Examination

E-MA-04




VICINITY MAP
N
0 1.5 3 4.5 6 7.5
Miles
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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Scale in Feet
200 0 200 400 600

7 ' Curve of Depth
8 ' Curve of Depth
CenterLine
ToeLine
QuarterLine
StationLine

US Army Corps of Engineers Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23
STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
STA. 3+000 (approach) to STA. 10+000 (approach) -- 07 NOV 22
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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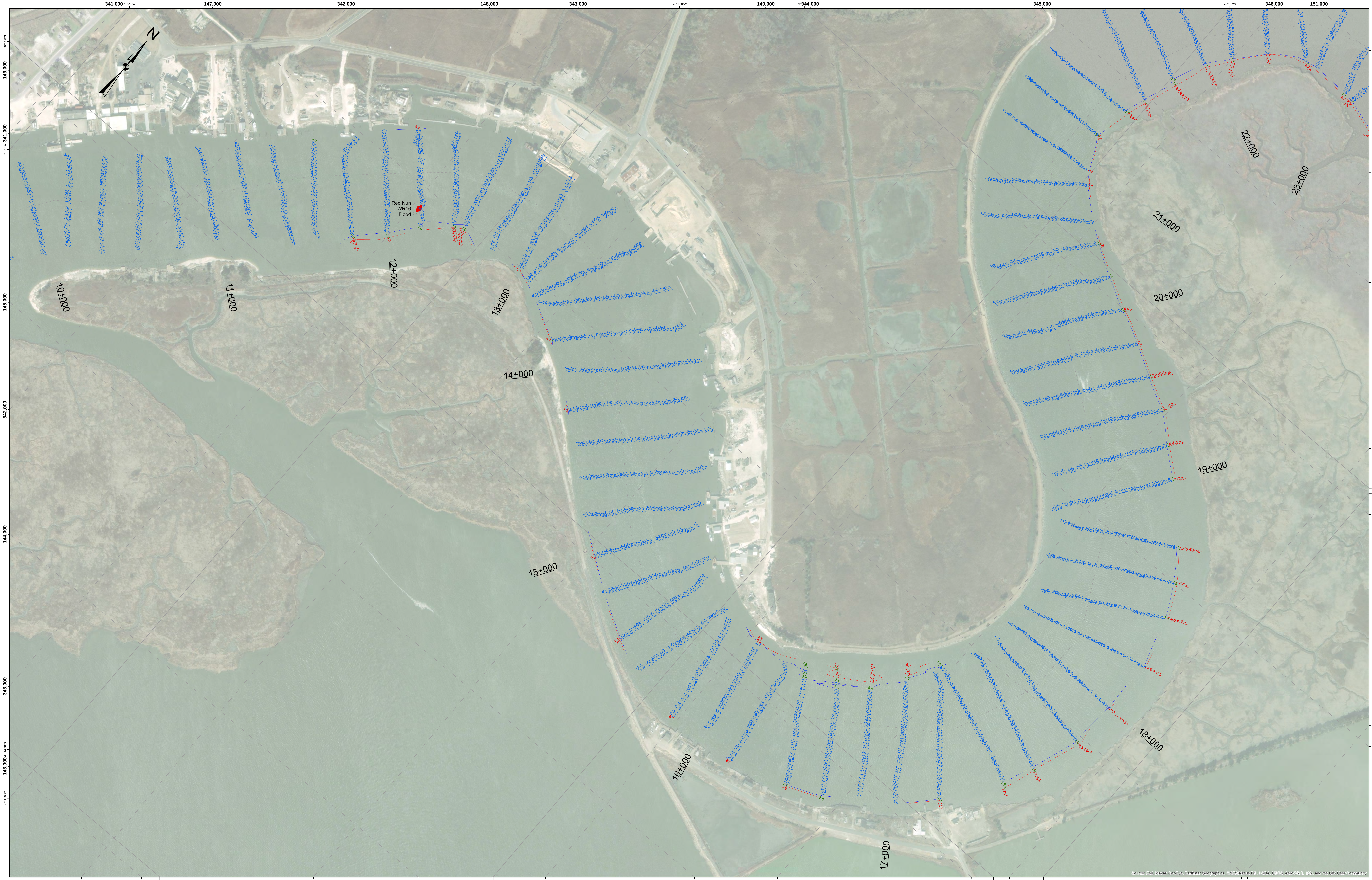
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:
Drawing No:
Plotted By:
E. Anthony
Plot Scale:
Checked By:
Approved: ______
Chief, Surveys Section

Maurice River, NJ
Examination

E-MA-04



US Army Corps of Engineers
Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23

STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
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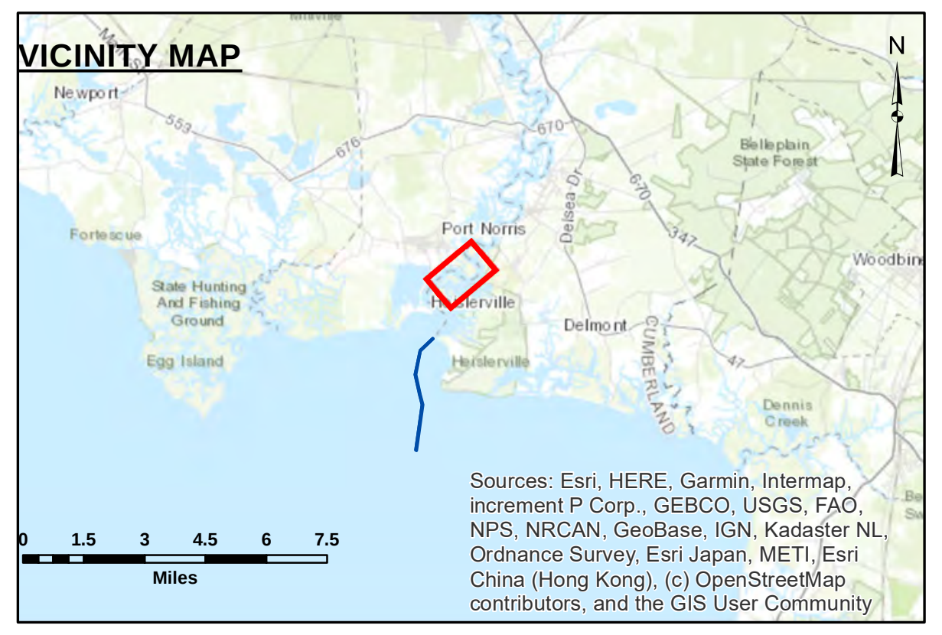
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22


VICINITY MAP
N
Miles
0 1.5 3 4.5 6 7.5
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Scale in Feet
200 0 200 400 600

🟥	7 ' Curve of Depth
🟦	8 ' Curve of Depth
- - -	CenterLine
―	ToeLine
- - -	QuarterLine
―	StationLine

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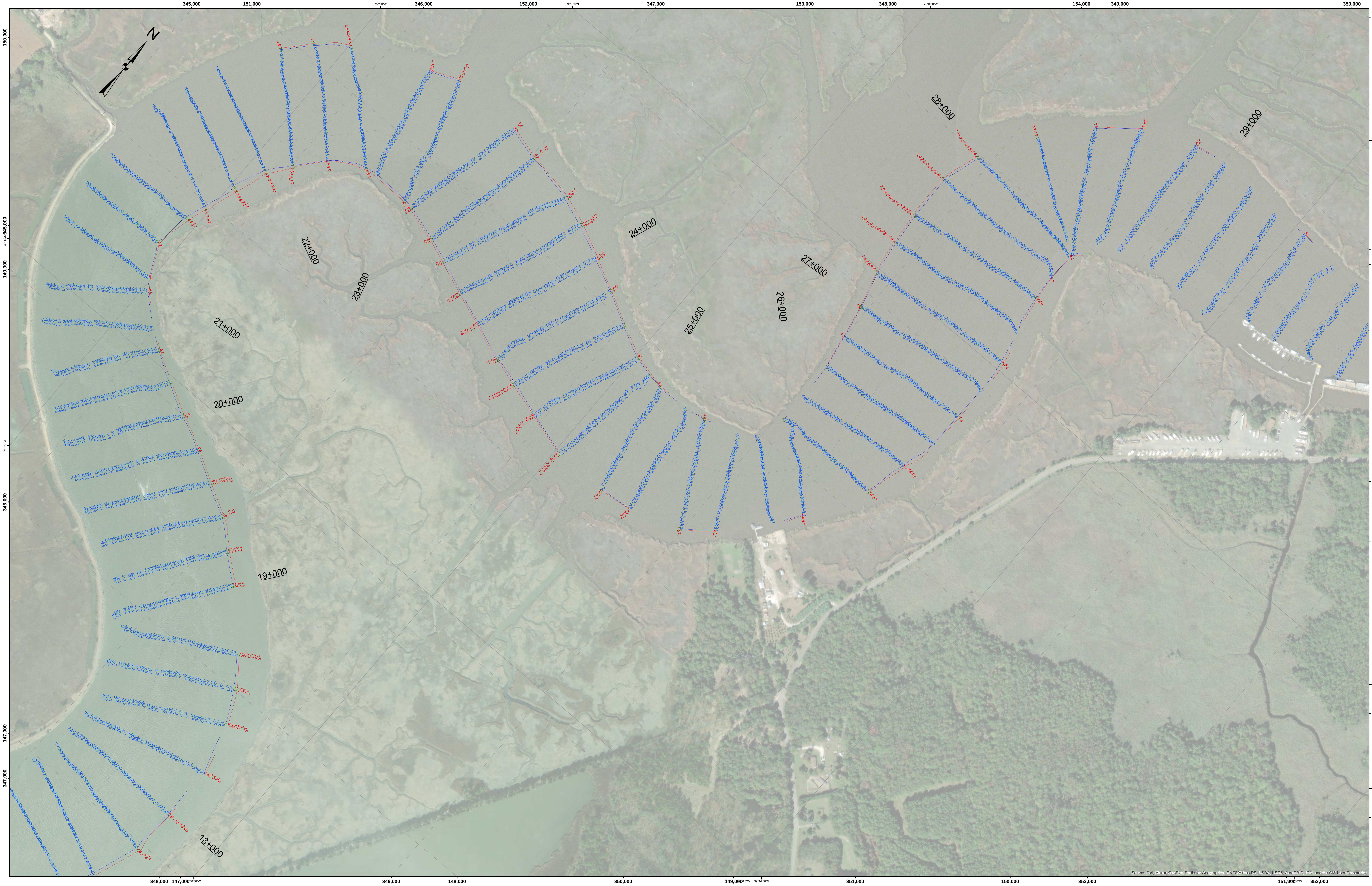
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:
Drawing No:
Plotted By: E. Anthony
Plot Scale:
Checked By:
Approved: Chief, Surveys Section

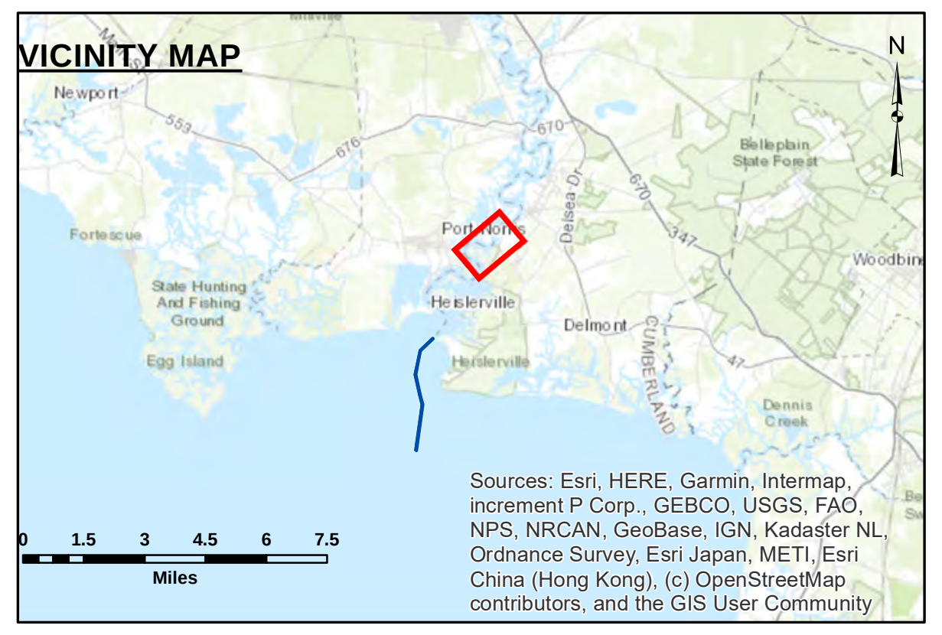
Maurice River, NJ
Examination

E-MA-04



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

VICINITY MAP



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Scale in Feet

200 0 200 400 600

🟥 7 ' Curve of Depth

🟦 8 ' Curve of Depth

- - - CenterLine

— ToeLine

- - - QuarterLine

— StationLine

US Army Corps of Engineers
Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
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U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:

Plotted By: E. Anthony

Checked By:

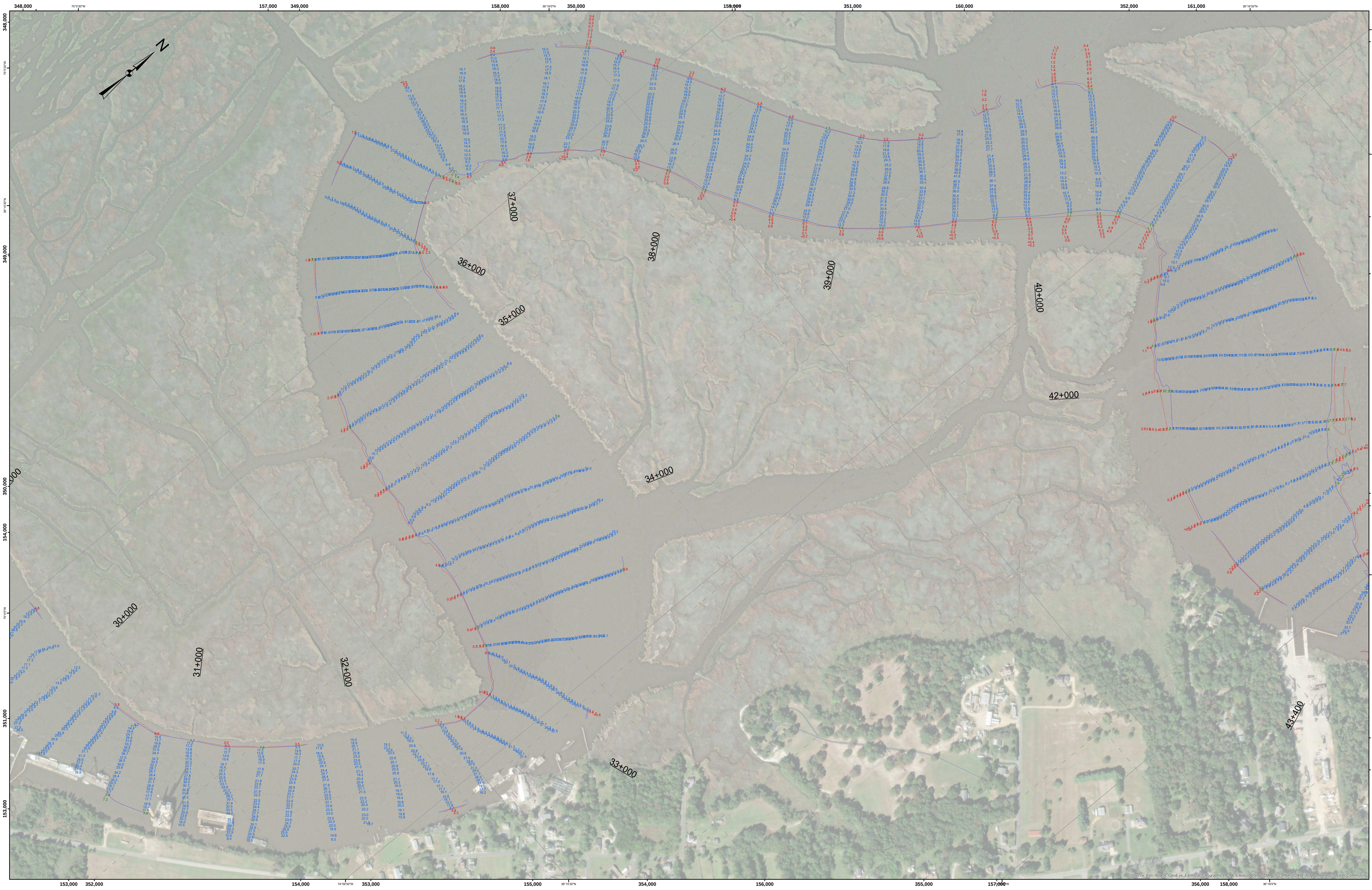
Drawing No:

Plot Scale:

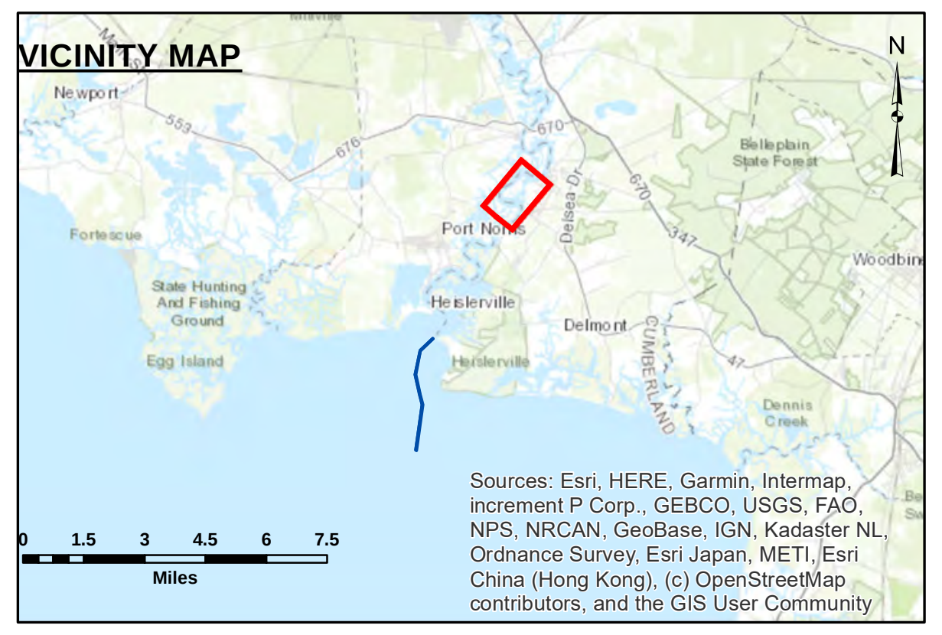
Approved: ____________
Chief, Surveys Section

Maurice River, NJ
Examination

E-MA-04



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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Scale in Feet
200 0 200 400 600

🟥	7 ' Curve of Depth
🟦	8 ' Curve of Depth
- - -	CenterLine
—	ToeLine
- - -	QuarterLine
—	StationLine

US Army Corps
of Engineers
Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23

STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
STA. 3+000 (approach) to STA. 10+000 (approach) -- 07 NOV 22
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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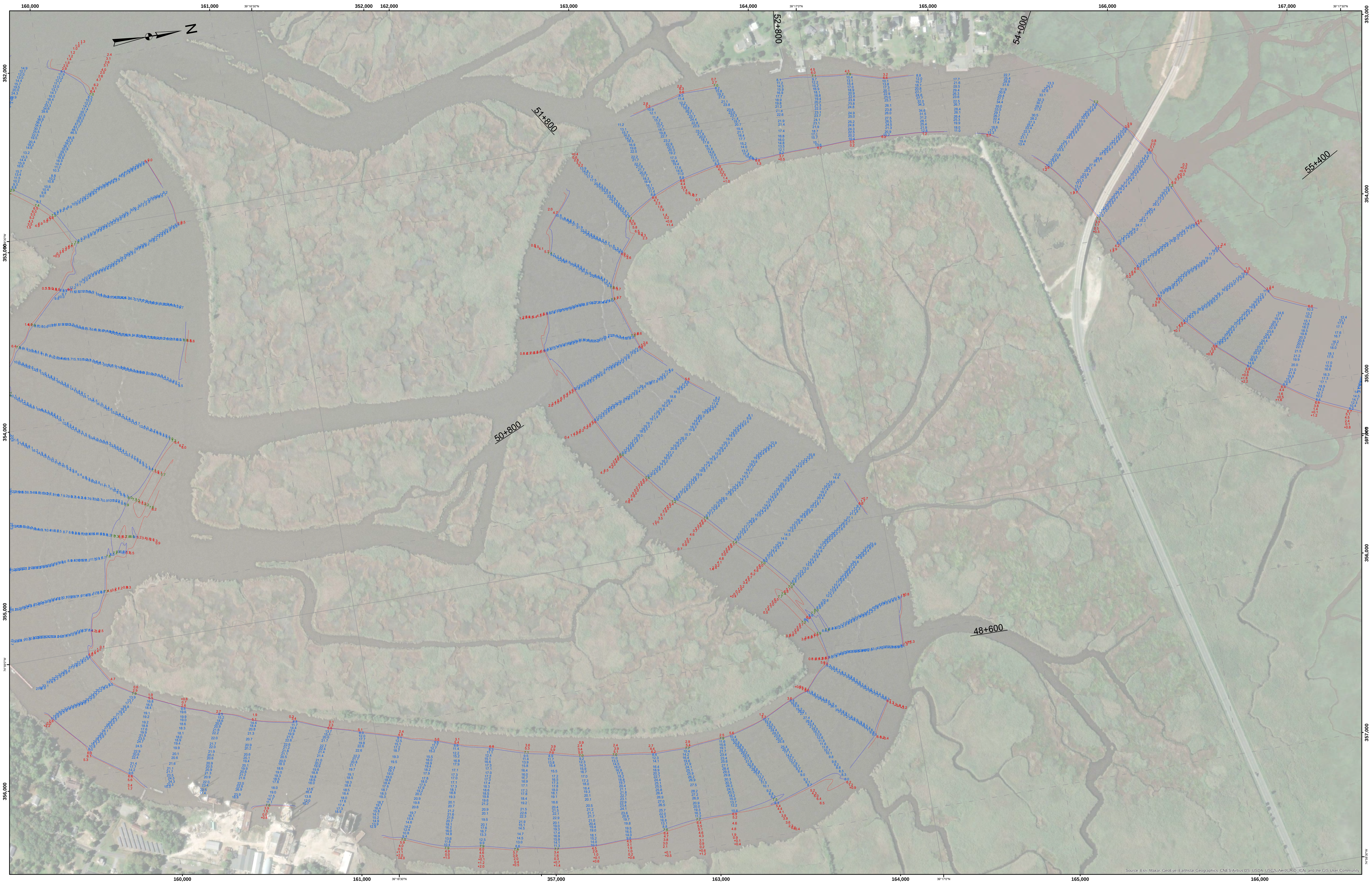
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:
Drawing No:
Plotted By:
E. Anthony
Plot Scale:
Checked By:
Approved: ______
Chief, Surveys Section

Maurice River, NJ

Examination

E-MA-04



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

US Army Corps of Engineers
Philadelphia District

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STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23
STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
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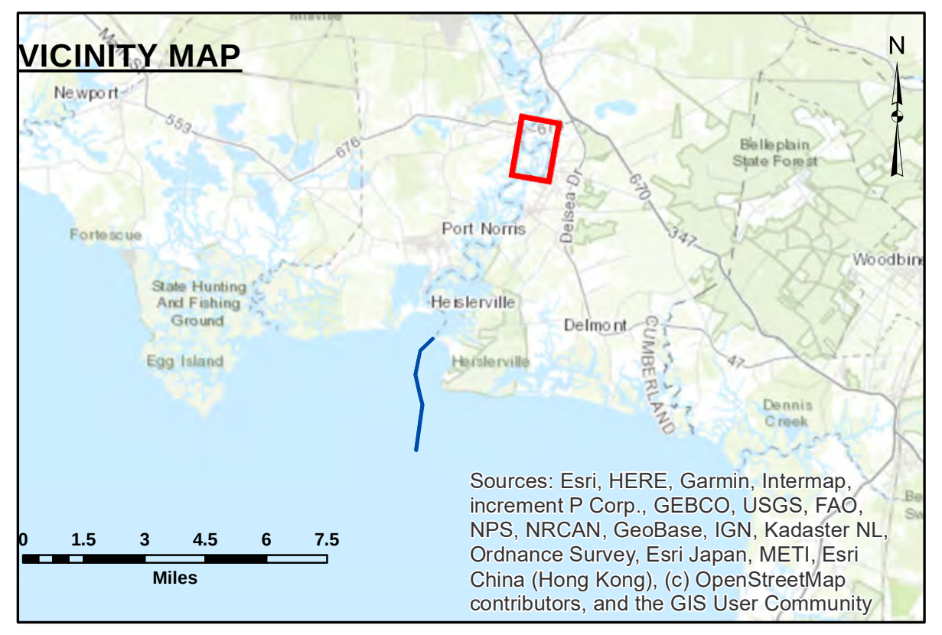
PHILADELPHIA DISTRICT

Surveyed By:
Plotted By: E. Anthony
Checked By:
Drawing No:
Plot Scale:
Approved: ______ Chief, Surveys Section

Maurice River, NJ
Examination

E-MA-04

VICINITY MAP



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.

3. VERTICAL REFERENCE – MEAN LOWER LOW WATER, WHICH IS 3.41' BELOW N.A.V.D. 88.

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5. CONTOURS WERE GENERATED USING THE MINIMUM DEPTH WITHIN SEARCH RADIUS OF 18'.

6. HYPACK, INC. SOFTWARE WAS USED TO PERFORM THE SOUNDING SELECTION AND CONTOUR GENERATION.

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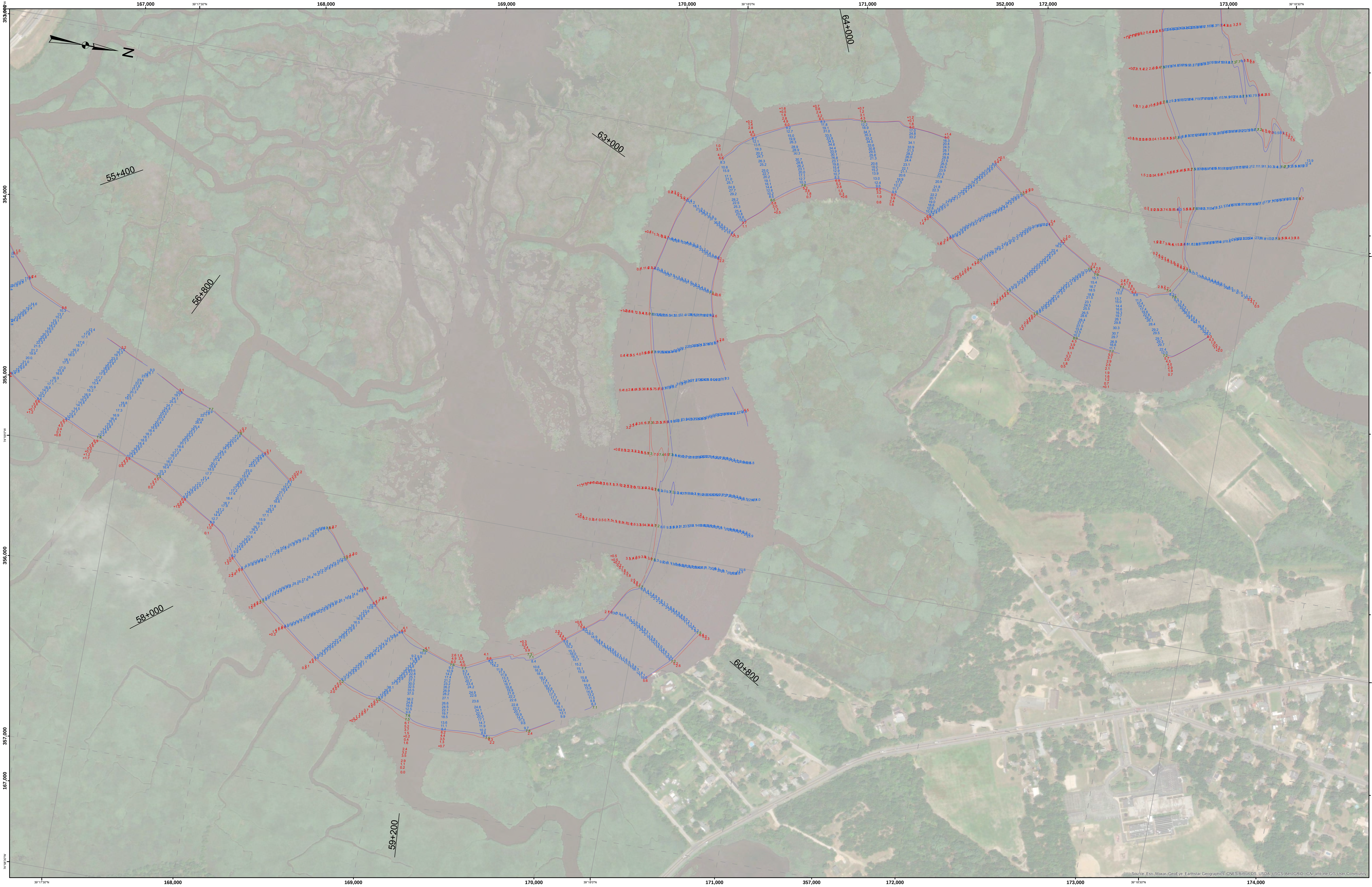
Scale in Feet
200 0 200 400 600

🟥	7 ' Curve of Depth
🟦	8 ' Curve of Depth
┄	CenterLine
─	ToeLine
╌	QuarterLine
─	StationLine



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US Army Corps
of Engineers
Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23

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STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

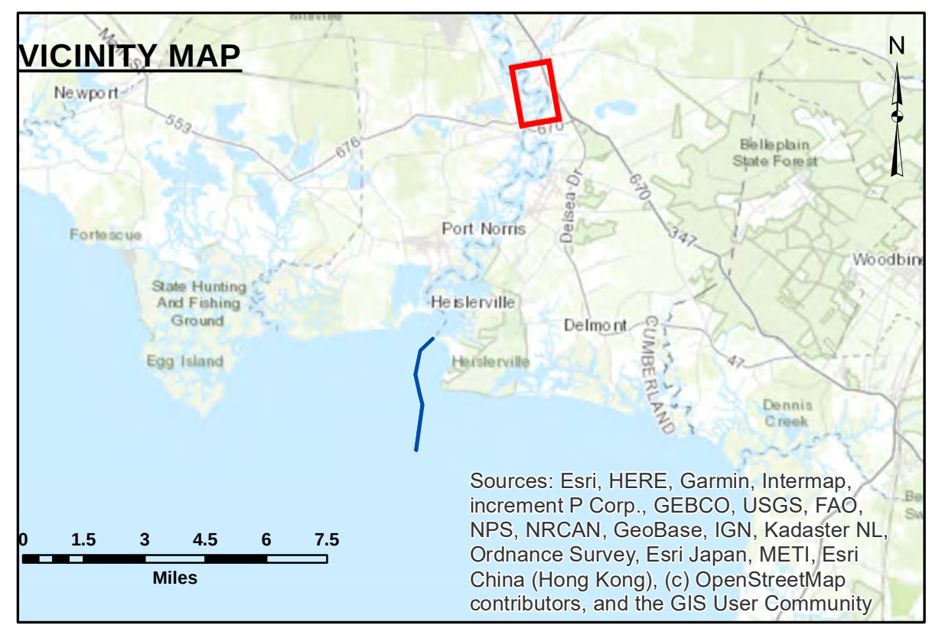
Surveyed By:
Plotted By: E. Anthony
Checked By:
Drawing No:
Plot Scale:
Approved: ______
Chief, Surveys Section

Maurice River, NJ

Examination

E-MA-04

VICINITY MAP



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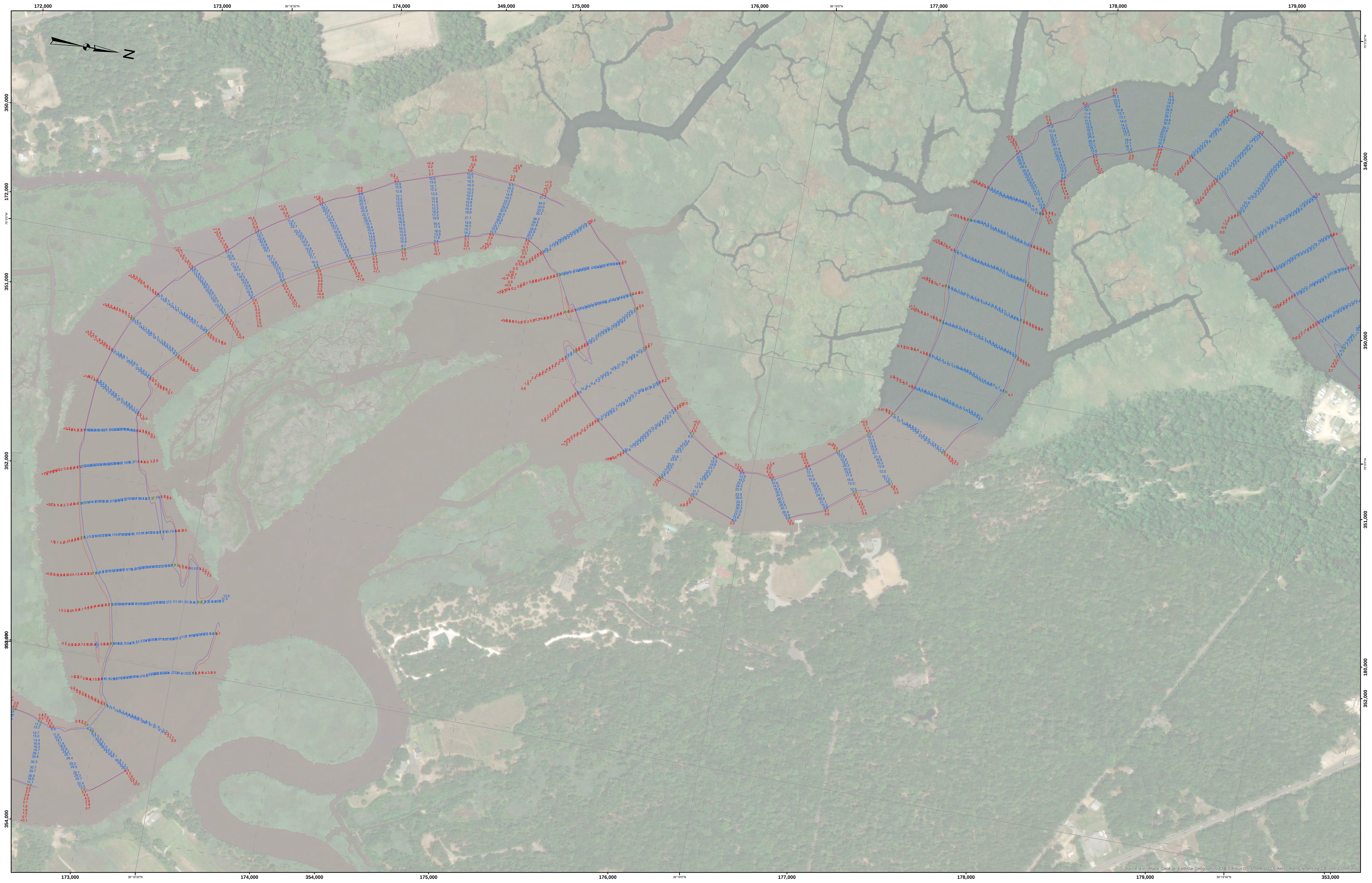
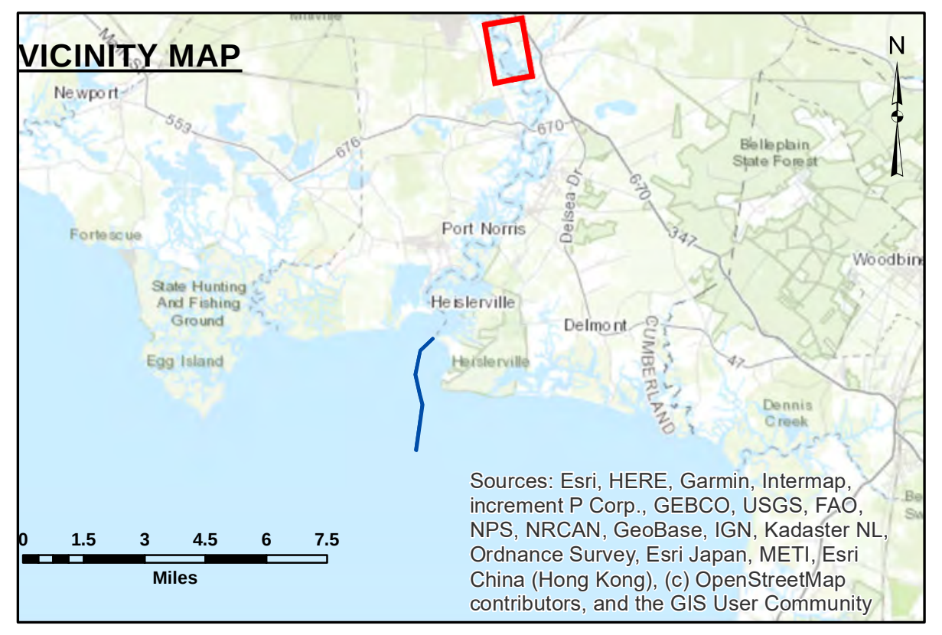
Scale in Feet
200 0 200 400 600

— 7 ' Curve of Depth
— 8 ' Curve of Depth
- - CenterLine
— ToeLine
- - QuarterLine
— StationLine


N
172,000
173,000
174,000
175,000
176,000
177,000
178,000
179,000
349,000
350,000
351,000
352,000
353,000
354,000
180,000
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community


VICINITY MAP

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Scale in Feet
200 0 200 400 600

🟥	7 ' Curve of Depth
🟦	8 ' Curve of Depth
- - -	CenterLine
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US Army Corps
of Engineers
Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
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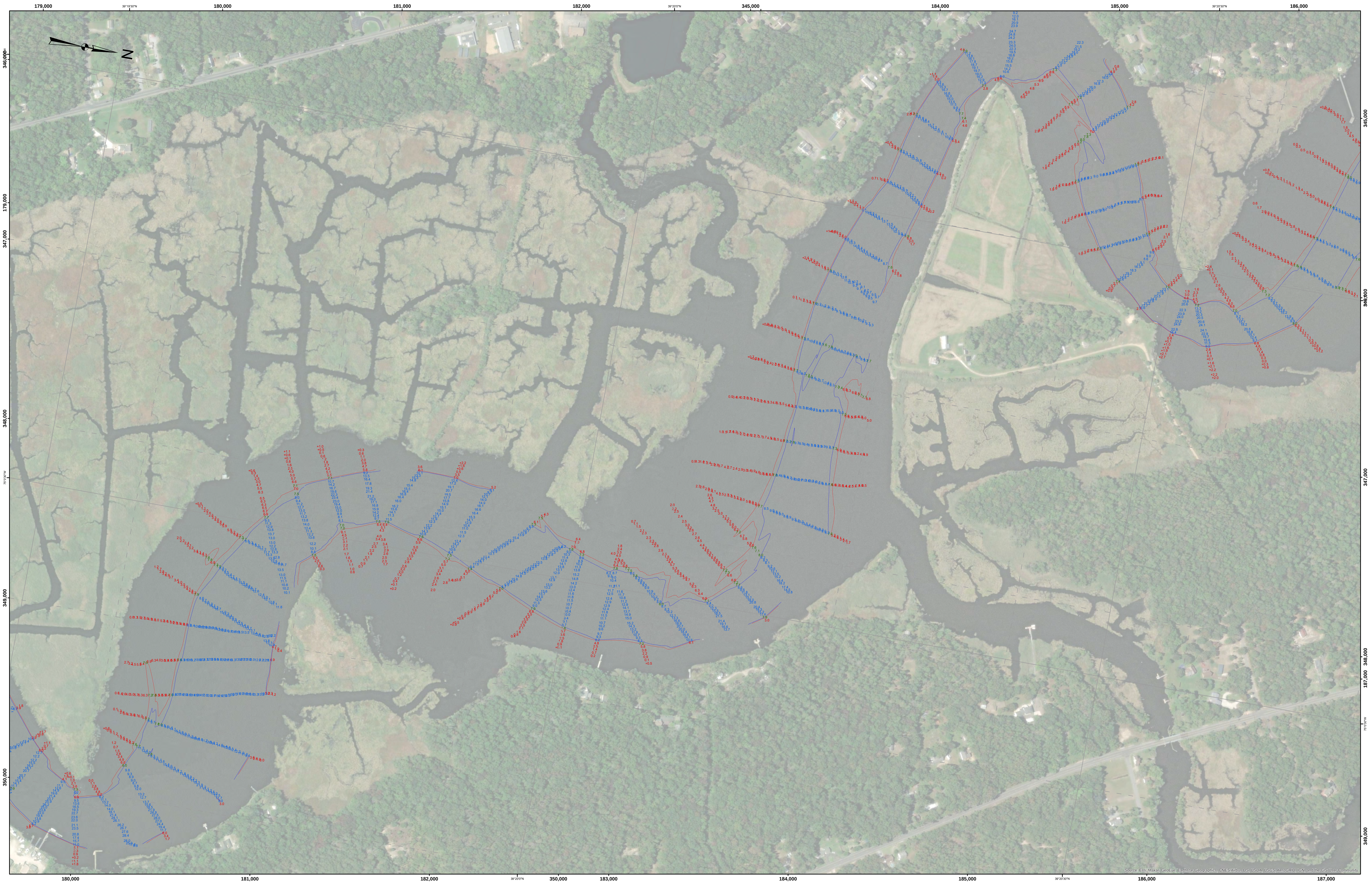
U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:
Drawing No:
Plotted By: E. Anthony
Plot Scale:
Checked By:
Approved: ____________________
Chief, Surveys Section

Maurice River, NJ

Examination

E-MA-04



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U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

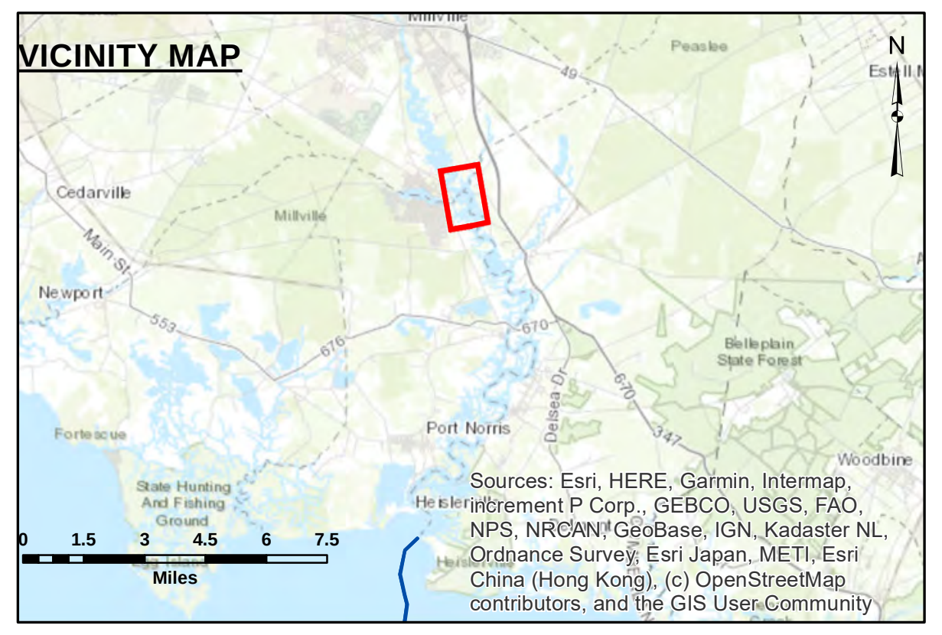
Drawing No:
Plot Scale:
Approved: Chief, Surveys Section
Surveyed By:
Plotted By: E. Anthony
Checked By:

Maurice River, NJ

Examination

E-MA-04

VICINITY MAP



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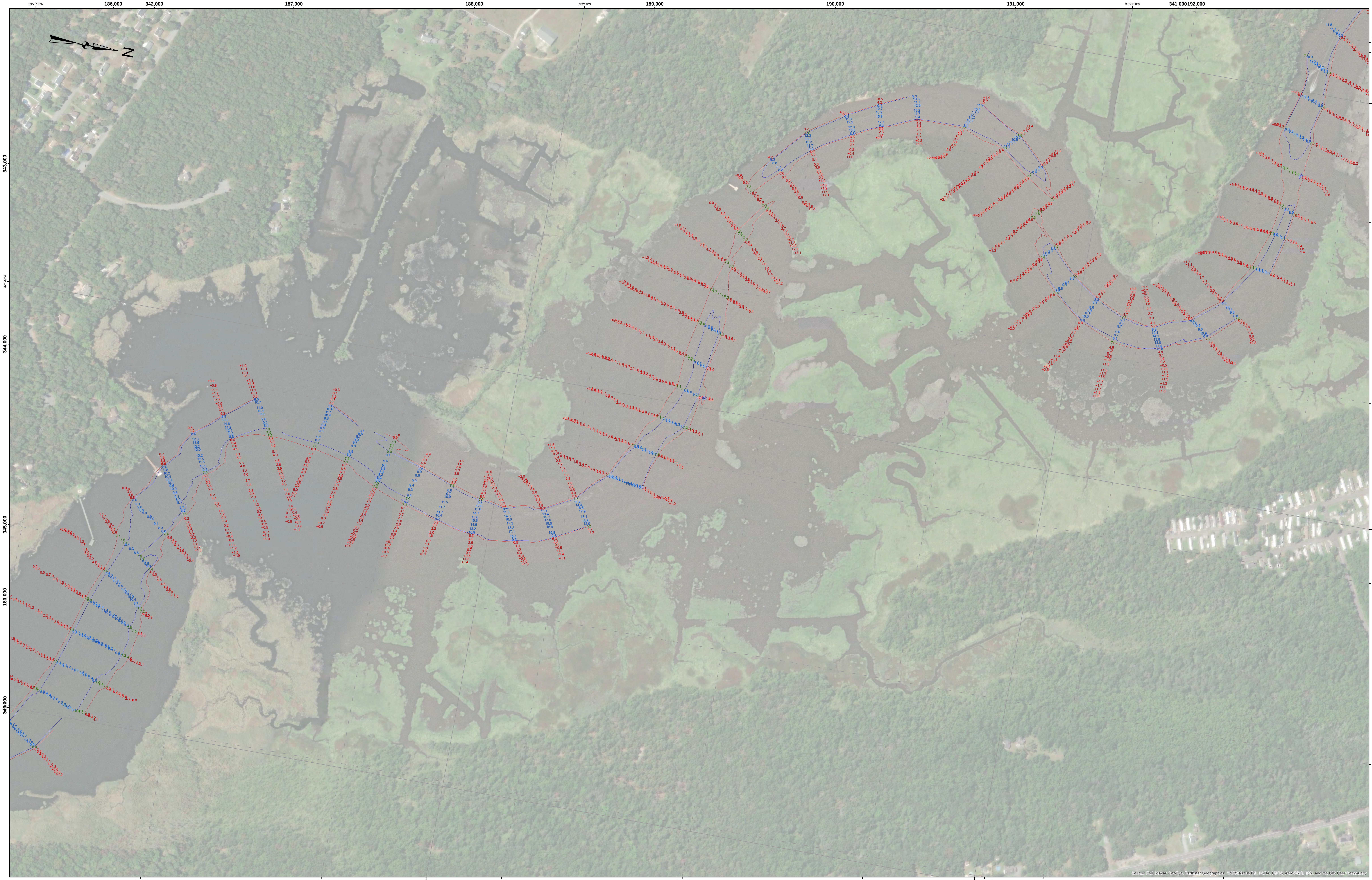
186,000
342,000
187,000
188,000
189,000
190,000
191,000
341,000
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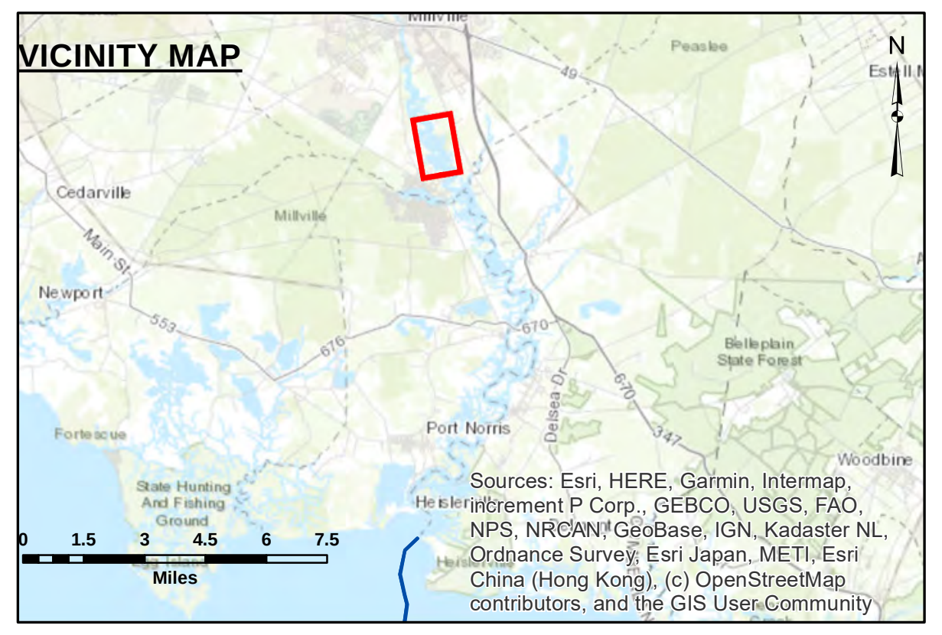
N
Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

VICINITY MAP



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STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT

Surveyed By:

Drawing No:

Plotted By:
E. Anthony

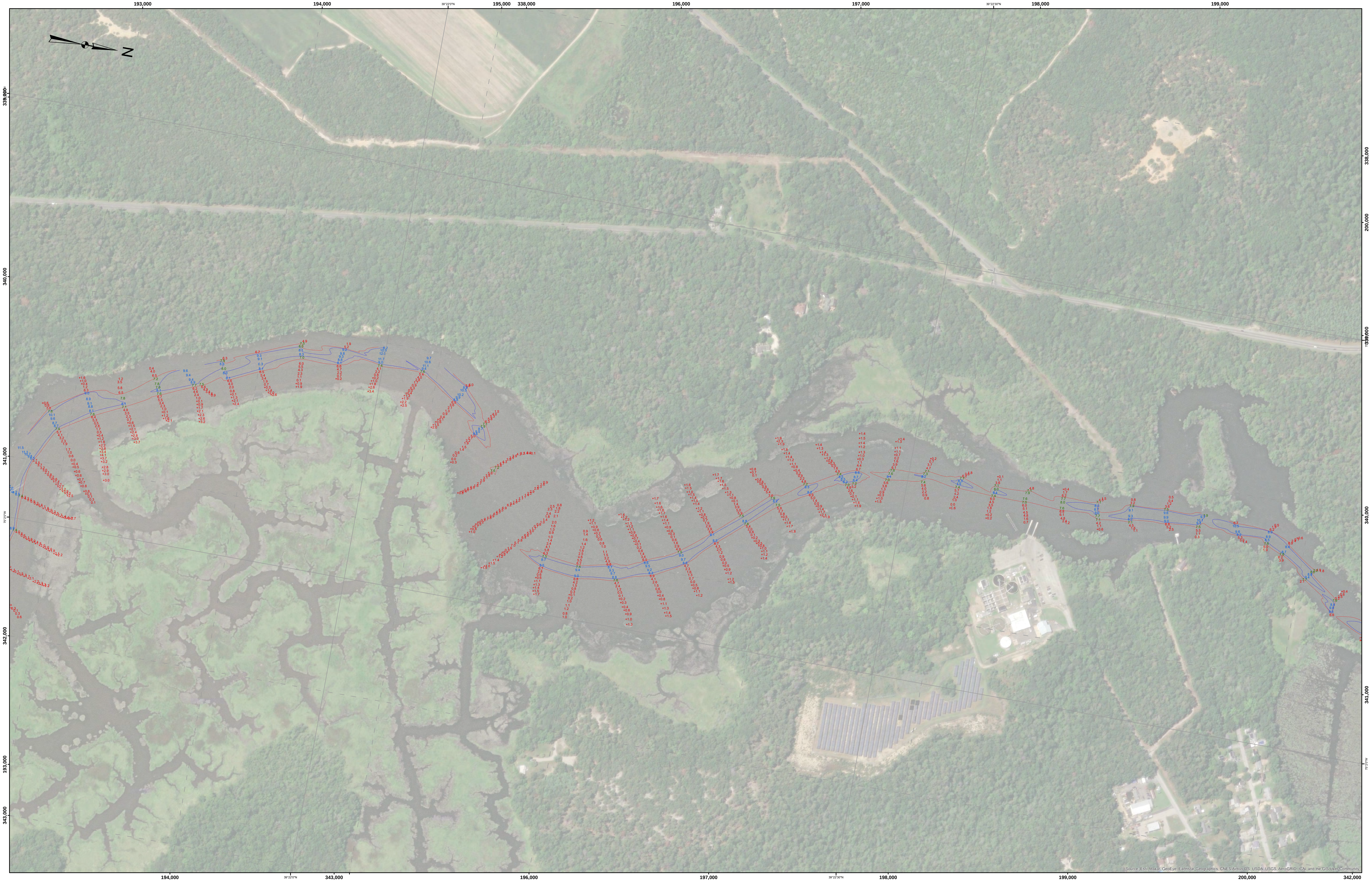
Plot Scale:

Checked By:

Approved: ____________________
Chief, Surveys Section

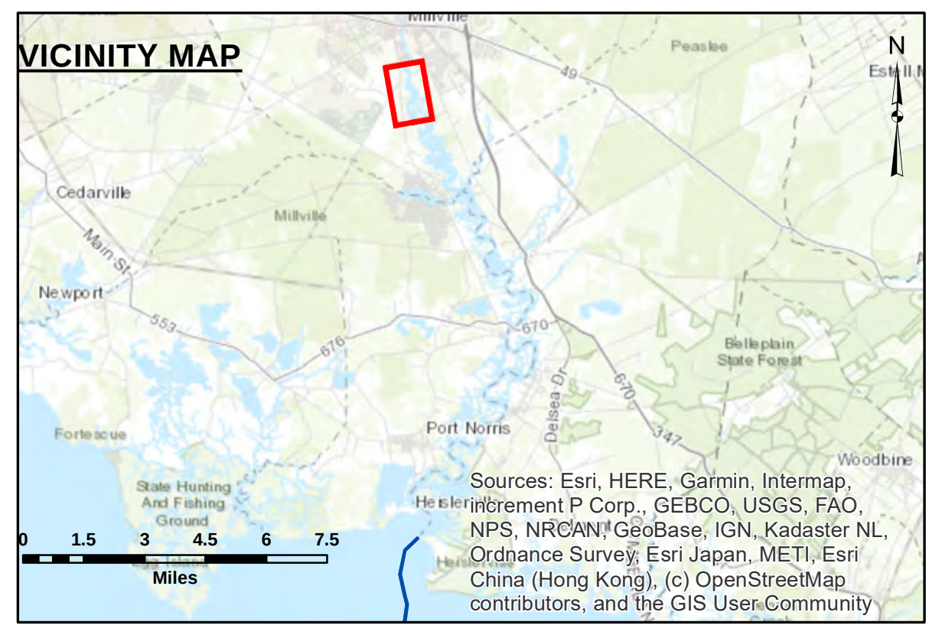
Maurice River, NJ
Examination

E-MA-04



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

VICINITY MAP



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

1. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.

3. VERTICAL REFERENCE – MEAN LOWER LOW WATER, WHICH IS 3.41' BELOW N.A.V.D. 88.

4. GEOID 12B AND NOAA TIDAL EPOCH: 1983 – 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

5. CONTOURS WERE GENERATED USING THE MINIMUM DEPTH WITHIN SEARCH RADIUS OF 18'.

6. HYPACK, INC. SOFTWARE WAS USED TO PERFORM THE SOUNDING SELECTION AND CONTOUR GENERATION.

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9. THE LIMITS OF THE FEDERAL CHANNEL DEPICT THE MOST CURRENT CHANNEL FRAMEWORK AVAILABLE WHICH CAN ALSO BE DOWNLOADED HERE:

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Scale in Feet
200 0 200 400 600

7 ' Curve of Depth
8 ' Curve of Depth
CenterLine
ToeLine
QuarterLine
StationLine

US Army Corps of Engineers Philadelphia District

STA. 106+000 to STA. 113+400 -- 15 MAR 23
STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
STA. 58+400 to STA. 80+000 -- 09 MAR 23
STA. 32+400 to STA. 58+200 -- 08 MAR 23
STA. 12+800 to STA. 32+200 -- 07 MAR 23

STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
STA. 3+000 (approach) to STA. 10+000 (approach) -- 07 NOV 22
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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PHILADELPHIA DISTRICT

Drawing No:
Plot Scale:
Approved:
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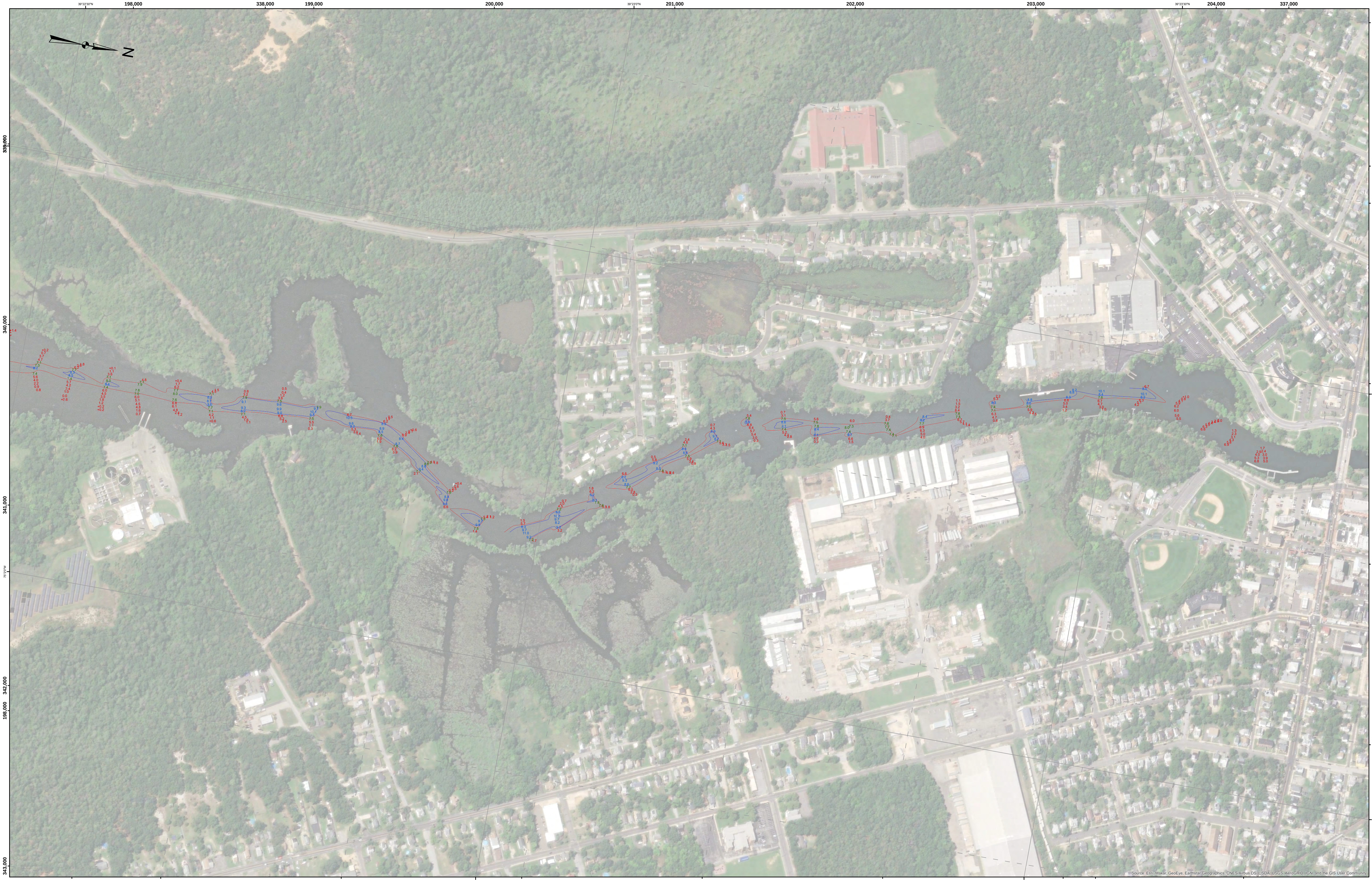
Surveyed By:
Plotted By:
E. Anthony
Checked By:

Maurice River, NJ

Examination

E-MA-04



US Army Corps of Engineers
Philadelphia District

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STA. 100+800 to STA. 105+800 -- 16 MAR 23
STA. 80+200 to STA. 100+600 -- 13 MAR 23
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STA. 12+800 to STA. 32+200 -- 07 MAR 23

STA. 0+000 (approach) to STA. 12+600 (river) -- 06 MAR 23
STA. 0+000 (approach) to STA. 3+000 (approach) -- 08 NOV 22
STA. 3+000 (approach) to STA. 10+000 (approach) -- 07 NOV 22
STA. 10+000 (approach) to STA. 15+528 (approach) -- 02 NOV 22

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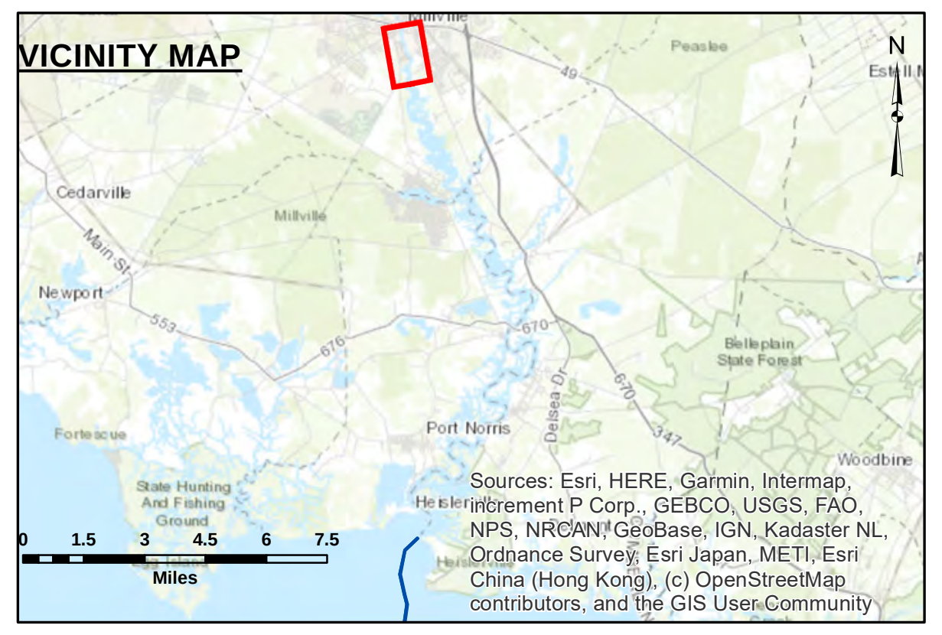
VICINITY MAP
N
Millville
Peaslee
Estell M
49
Cedarville
Millville
Main St
Newport
553
676
670
Belleplain State Forest
Delsea Dr
670
347
Port Norris
Fortescue
State Hunting And Fishing Ground
Heislerville
Woodbine
0
1.5
3
4.5
6
7.5
Miles
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

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