

2,330,000

2,329,000

2,328,000

2,847,000

2,847,000

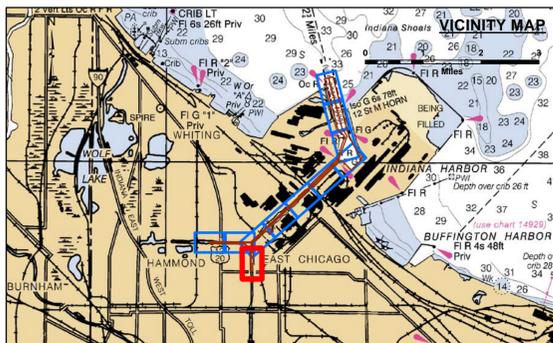


2,330,000

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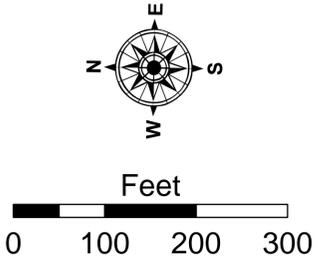


LEGEND

- Channel Centerline
- Channel Boundaries

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS 29.0' APPROACH CHANNEL 28.0'



NOTES:

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ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WALKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RZSONIC 2024 MULTIBEAM SONAR.

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HORIZONTAL POSITIONING IS DETERMINED USING THE DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS). THE DIFFERENTIAL CORRECTIONS ARE PROVIDED BY U.S. COAST GUARD DIFFERENTIAL BROADCAST STATIONS. SIGNAL STRENGTH IS USED AS THE DETERMINING FACTOR IN DIFFERENTIAL SELECTION. THE DGPS RECEIVER IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE INDIANA STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, INDIANA WEST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.



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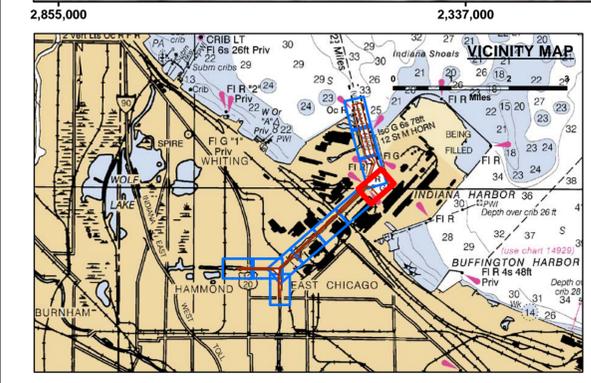
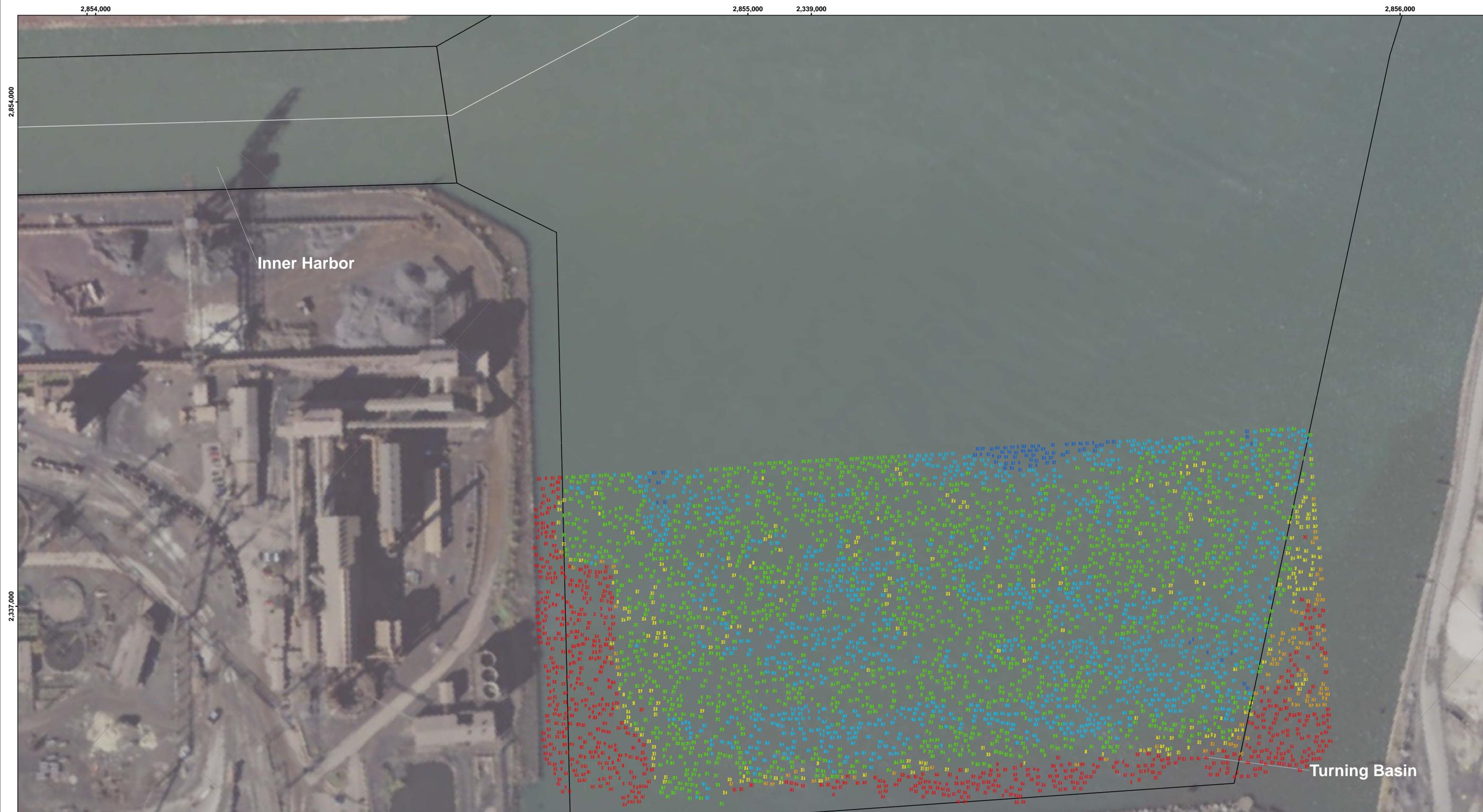
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**CHICAGO DISTRICT
INDIANA HARBOR, INDIANA
FEDERAL NAVIGATION CHANNEL
POST SURVEY**

**Sheet
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Number
11 of 11**

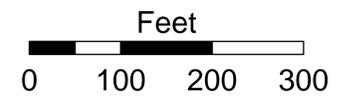


LEGEND

- Channel Centerline
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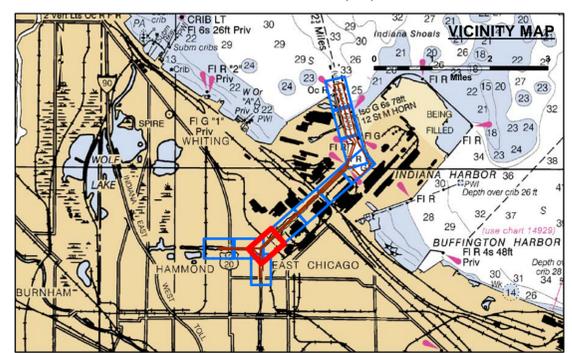
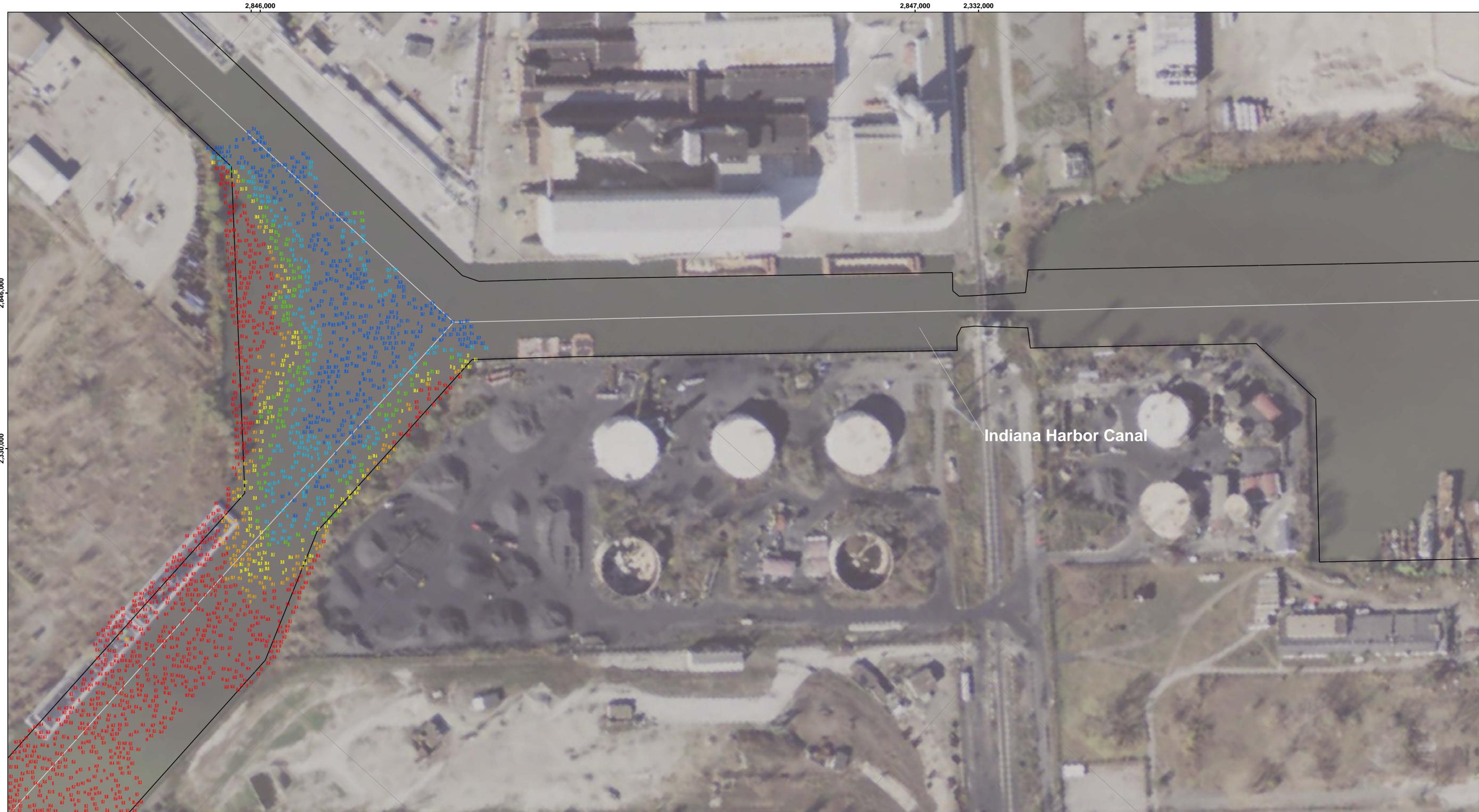
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**CHICAGO DISTRICT
INDIANA HARBOR, INDIANA
FEDERAL NAVIGATION CHANNEL**

**Sheet
Reference
Number
4 of 11**

POST SURVEY

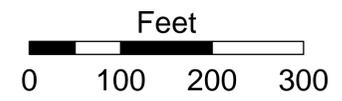


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**CHICAGO DISTRICT
INDIANA HARBOR, INDIANA
FEDERAL NAVIGATION CHANNEL
POST SURVEY**

**Sheet
Reference
Number
8 of 11**