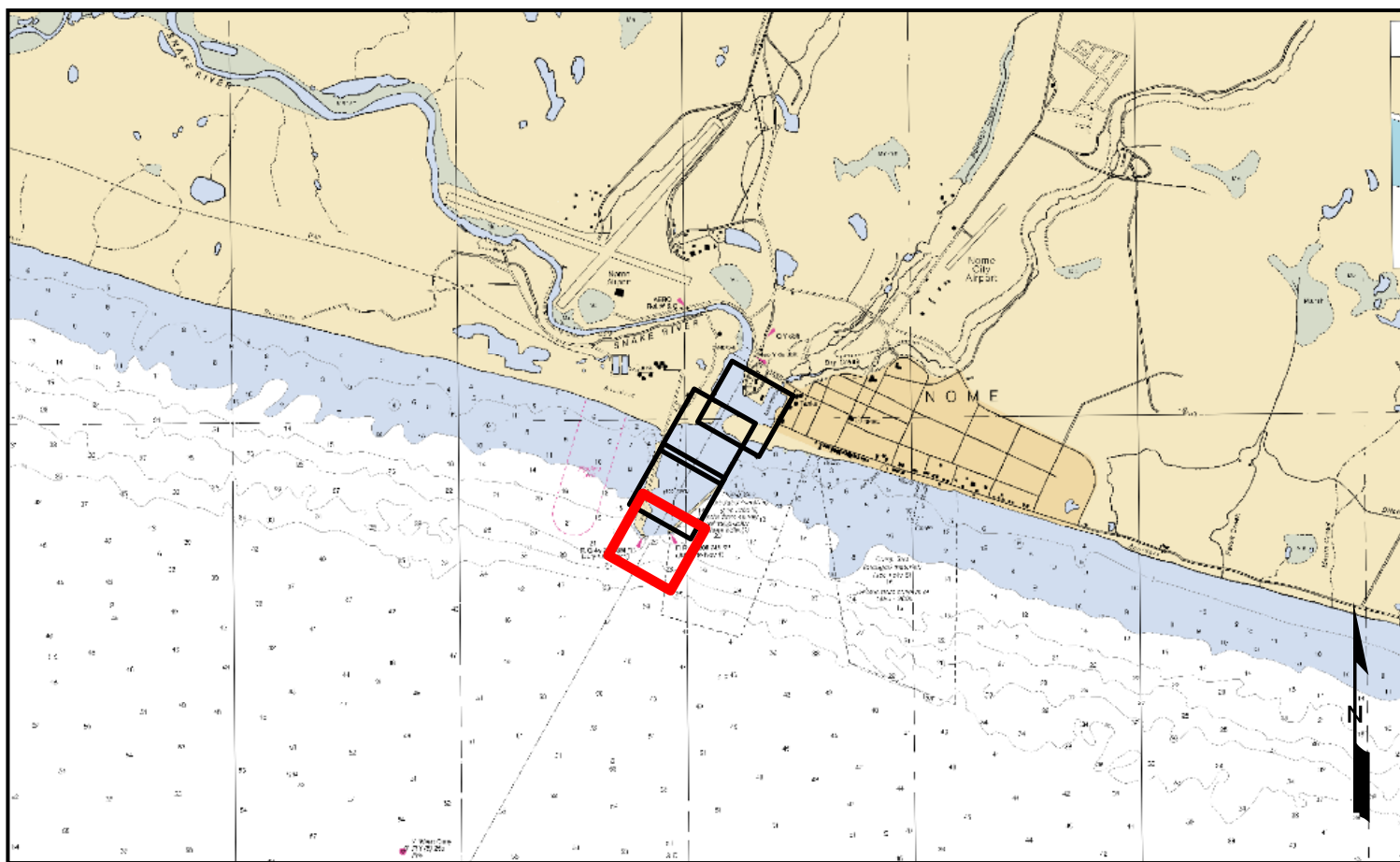
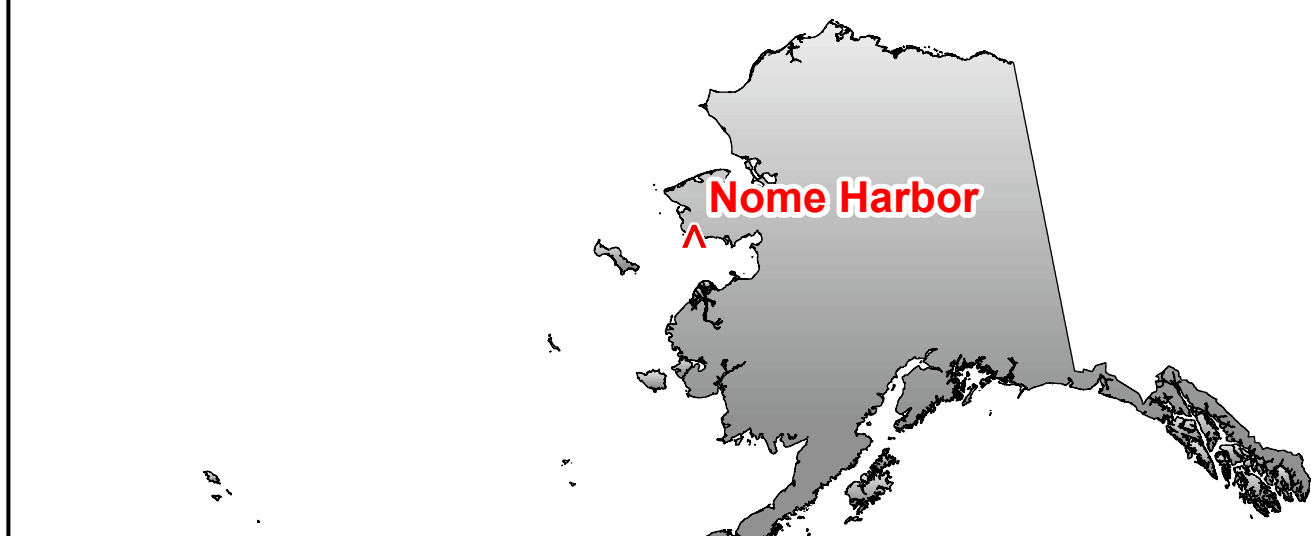
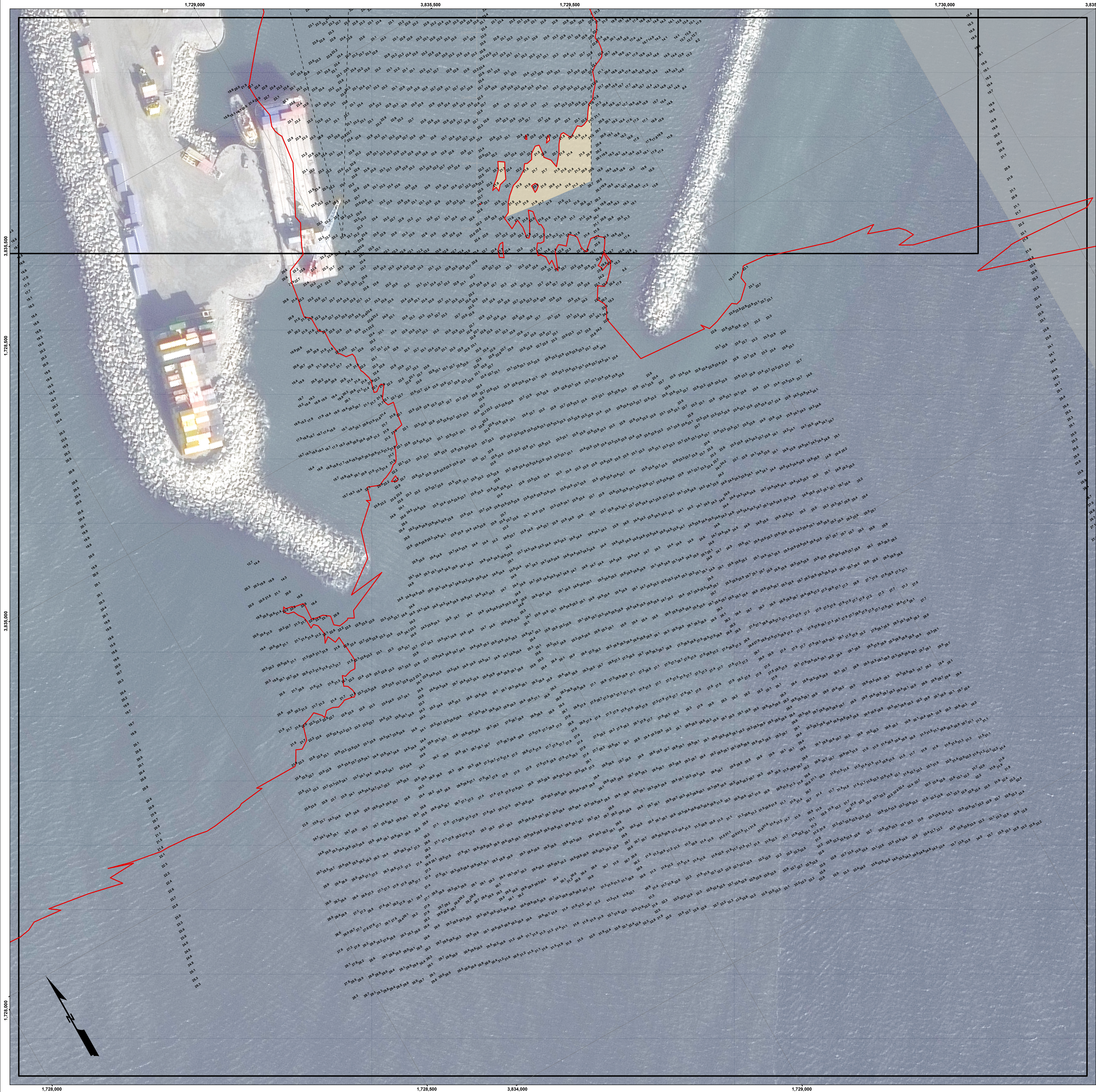




NOTES:  
1.PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD83 (2011) EPOCH 2010.00 IN U.S. FEET BASED ON A FULLY CONSTRAINED STATIC GPS NETWORK HOLDING THE PUBLISHED NAD83 (2011) EPOCH 2010.00 VALUES OF NATIONAL GEODETIC SURVEY (NGS) CORS STATIONS: "BUCKLAND AK 2007 CORS GRP" (PID DL6686), "BALD HEAD AK 2006 CORS GRP" (PID DL7649), "KOTZEBUE AK 2007 CORS GRP" (PID DL6677), "ST MICHAEL AK 2018 CORS GRP" (PIDDR5470), AND "UNALAKLEET AK 2008 CORS GRP" (PID DL6431).

LOCAL PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD83 (2011) EPOCH 2010.00, IN U.S. SURVEY FEET HOLDING NOAA TIDAL BENCHMARK "UNSTAMPED" (VMH22041) AS N 3,835,746.79' AND E 1,728,835.05' AND "946 8756 H" (VMH12155/PID BBFB37) AS N 3,839,954.08' AND E 1,730,219.49'. HORIZONTAL COORDINATES FOR "UNSTAMPED" WERE ESTABLISHED BY UTILIZING "946 8756 H" AS A TEMPORARY BASE STATION LOCATION AND RECORDING A 3-MIN RTK OBSERVATION.

2. VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW = 0.0'), BASED ON THE NOAA/NOS TIDAL BENCHMARK LIST: 946 8756, NOME NORTON SOUND, ALASKA PUBLISHED 12/08/2020. THIS TIDAL DATUM IS BASED ON THE 1983-2001 TIDAL EPOCH AND IS REFERENCED BY HOLDING NOAA/USCGS TIDAL BENCHMARK 946 8756 H (VMH12155/PID BBFB37) AS 12.14 FT.

3. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM ARE BASED ON PUBLISHED NAVD88 (GEOID 12B) ELEVATIONS HOLDING NOAA/USCGS TIDAL BENCHMARK 946 8756 H (VMH12155/PID BBFB37) AS 14.78 FT.

4. SOUNDINGS ARE IN FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.

5. BATHYMETRY WAS COLLECTED JUNE 15-16 & 22-23, 2025. SOUNDINGS WERE COLLECTED USING A "CEE HYDROSYSTEMS CEE ECHO" SOUNDER WITH A 38" SINGLE BEAM TRANSDUCER OPERATING AT 200 KHZ SOUND VELOCITY THROUGH THE WATER COLUMN WAS DETERMINED USING AN MLX3 SOUND VELOCITY PROBE. POSITION AND TIDES WERE PROVIDED IN REAL TIME USING A TRIMBLE R8 RTK GPS RECEIVER OPERATING ON REAL TIME KINEMATICS CORRECTIONS BROADCAST FROM TRIMBLE R8 RTK BASE RECEIVER. RTK CORRECTIONS WERE BROADCAST FROM A LOCAL BASE STATION OCCUPYING "946 8756 H" & "CELL". DATA WAS COLLECTED AND PROCESSED USING "HYPACK 2025" INTEGRATED SOFTWARE. HORIZONTAL CONTROL WAS SURVEYED USING RTK GNSS EQUIPMENT AND TECHNIQUES. VERTICAL CONTROL WAS VERIFIED USING DIFFERENTIAL LEVELING TECHNIQUES MAY 25, 2025.

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7. MAP SOUNDINGS ARE BINNED AT 10 FEET. THE SHOALEST SOUNDINGS OF EACH REACH FROM THIS SURVEY ARE HIGHLIGHTED IN THE DRAWING (\*\*SEE LEGEND).

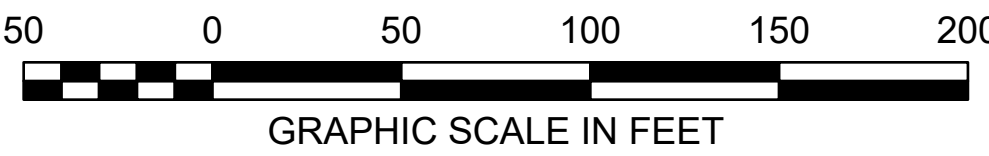
IMAGERY/BASEMAPS: NAUTICAL CHART RASTER COURTESY OF NOAA AND ARCGIS ONLINE. IMAGERY COURTESY OF DIGITALGLOBE.  
IMAGERY DATE: 20220908

NOAA/USCG DATA: NO NOAA INFORMATION IS CURRENTLY REFERENCED IN THIS DATA. REFERENCE THE LATEST PUBLICATION OF CHART 16206 AND LOCAL NOTICE TO MARINERS PUBLISHED BY THE USCG FOR INFORMATION INCLUDING, BUT NOT LIMITED TO, NAVIGATION BUOYS, BEACONS, WRECKS, OBSTRUCTION POINTS, MARINE CABLES, ETC.

PROJECT INFORMATION: THIS PROJECT WAS COMPLETED IN 1922 WITH NAVIGATION IMPROVEMENTS COMPLETED IN 2008. MAINTENANCE DREDGING IS CONDUCTED ANNUALLY. THE PROJECT DEPTH OF THE OUTER ENTRANCE CHANNEL IS -22 FEET MLLW. THE ENTRANCE CHANNEL THEN TRANSITIONS TO A PROJECT DEPTH OF -12 FEET MLLW. THE INNER ENTRANCE CHANNEL TO THE SMALL BOAT BASIN HAS A PROJECT DEPTH OF -10 FEET MLLW. THE MOORING AND MANEUVERING AREA OF THE SMALL BOAT BASIN HAS A PROJECT DEPTH OF -10 FEET MLLW.

DISCLAIMER  
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- LEGEND**
- Federal Navigation Project Limits
  - Federal Navigation Station Line
  - Shoalest Sounding(s)\*\*
  - Project Depth Contour
  - Shoaling Area

US Army Corps of Engineers  
ALASKA DISTRICT

CONTRACT NO.: W01HEB2C0007  
CONTRACTOR: ALASKA MARINE EXCAVATION  
CITY: ANCHORAGE STATE: AK  
PROJECT: NOME HARBOR  
DATE: 15-16 & 22-23 JUNE, 2025  
BY: [Signature]  
APPROVED: [Signature]  
DATE: [Date]

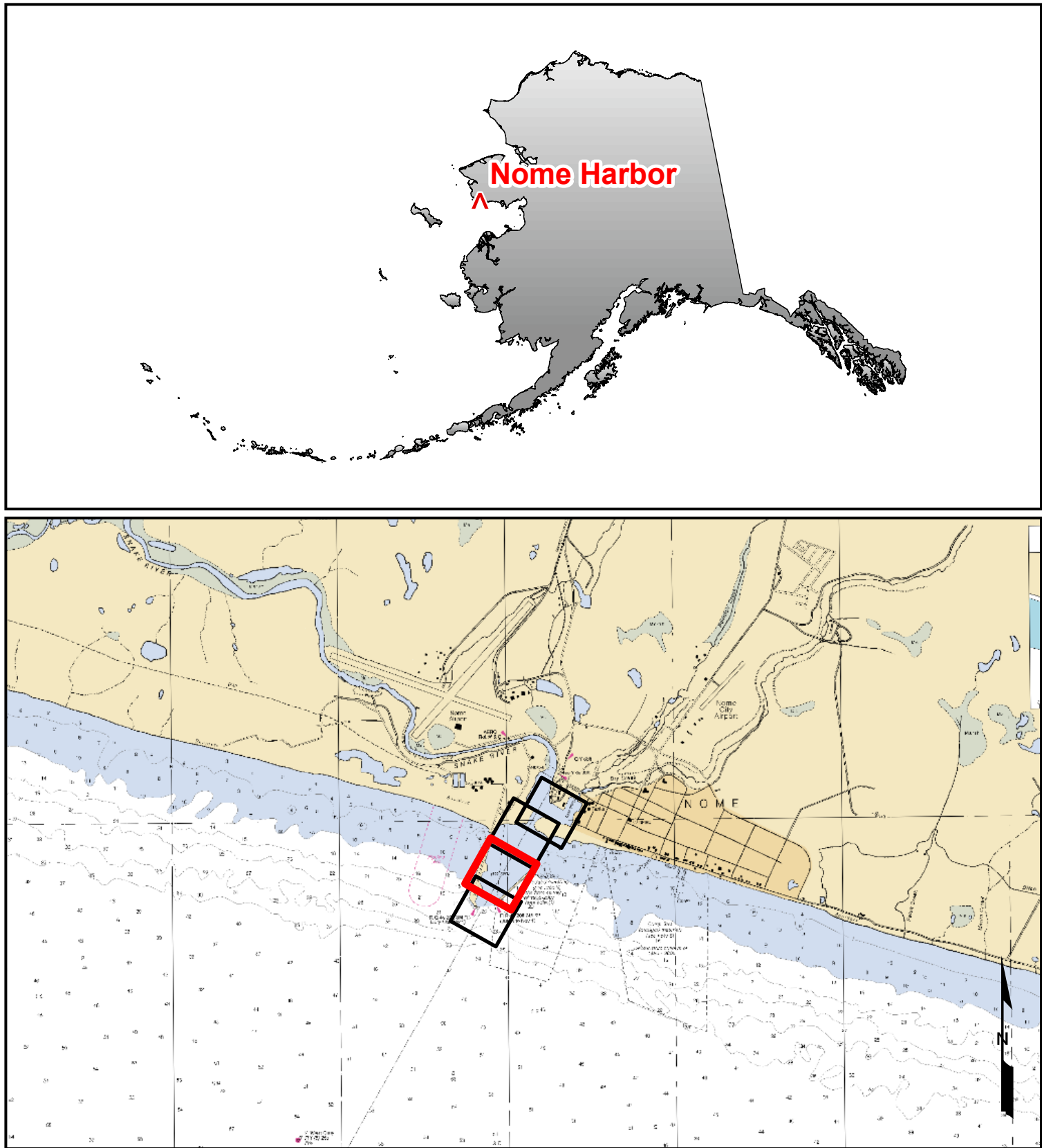
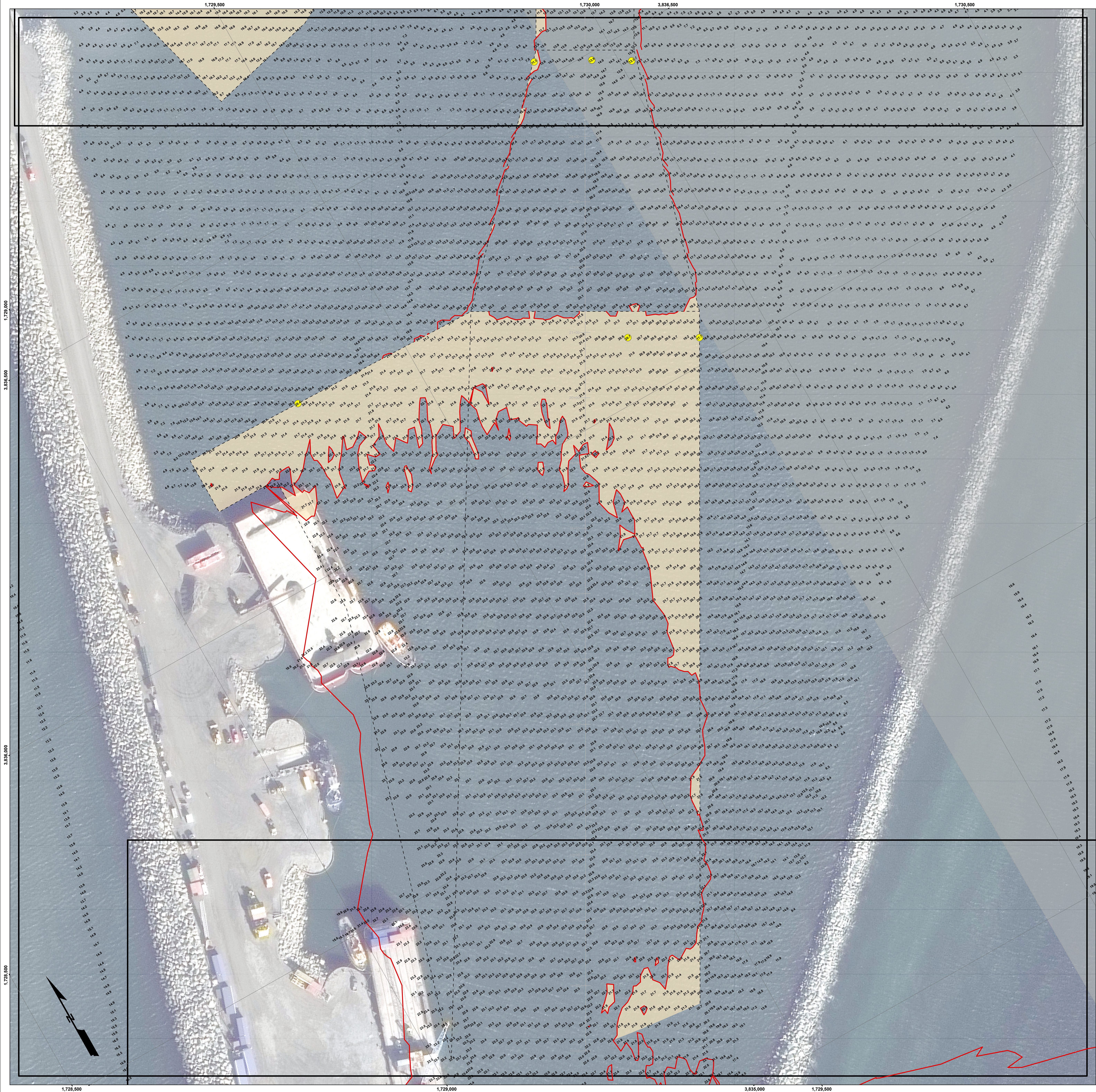
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| DATE                     | BY | DESCRIPTION        |
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| 15-16 & 22-23 JUNE, 2025 |    | POST-DREDGE SURVEY |

**SHEET IDENTIFICATION**

Sheet 1 of 4

Revision Number: 1.00  
Date: 15-16 & 22-23 JUNE, 2025  
Document Name: NOME HARBOR POST-DREDGE SURVEY  
AK-14-NOM-20250625\_AD\_XC



NOTES:  
1.PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD83 (2011) EPOCH 2010.00 IN U.S. FEET BASED ON A FLUXION CONSTRAINED STATIC GPS NETWORK HOLDING THE PUBLISHED NAD83 (2011) EPOCH 2010.00 VALUES OF NATIONAL GEODETIC SURVEY (NGS) CORS STATIONS: "BUCKLAND AK 2007 CORS GRP" (PID DL6686), "BALD HEAD AK 2006 CORS GRP" (PID DL7649), "KOTZEBUE AK 2007 CORS GRP" (PID DL6677), "ST MICHAEL AK 2018 CORS GRP" (PIDDR5470), AND "UNALAKLEET AK 2008 CORS GRP" (PID DL6431).

LOCAL PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD83 (2011) EPOCH 2010.00, IN U.S. SURVEY FEET HOLDING NOAA TIDAL BENCHMARK "UNSTAMPED" (VM#22041) AS N 3,835,746.79' AND E 1,728,835.05' AND "946 8756 H" (VM#12155/PID#BBFB37) AS N 3,838,954.08' AND E 1,730,219.49'. HORIZONTAL COORDINATES FOR "UNSTAMPED" WERE ESTABLISHED BY UTILIZING "946 8756 H" AS A TEMPORARY BASE STATION LOCATION AND RECORDING A 3-MIN RTK OBSERVATION.

2. VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW = 0.0'), BASED ON THE NOAA/NOS TIDAL BENCHMARK LIST: 946 8756, NOME NORTON SOUND, ALASKA PUBLISHED 12/08/2020. THIS TIDAL DATUM IS BASED ON THE 1983-2001 TIDAL EPOCH AND IS REFERENCED BY HOLDING NOAA/USCGS TIDAL BENCHMARK 946 8756 H (VM#12155/PID#BBFB37) AS 12.14 FT.

3. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM ARE BASED ON PUBLISHED NAVD88 (GEOID 12B) ELEVATIONS HOLDING NOAA/USCGS TIDAL BENCHMARK 946 8756 H (VM#12155/PID#BBFB37) AS 14.78 FT.

4. SOUNDINGS ARE IN FEET AND ARE MINUS UNLESS OTHERWISE INDICATED.

5. BATHYMETRY WAS COLLECTED JUNE 15-16 & 22-23, 2025. SOUNDINGS WERE COLLECTED USING A "CEE HYDROSYSTEMS CEE ECHO" SOUNDER WITH A 38" SINGLE BEAM TRANSDUCER OPERATING AT 200 KHZ SOUND VELOCITY THROUGH THE WATER COLUMN WAS DETERMINED USING AN AML X3 SOUND VELOCITY PROBE. POSITION AND TIDES WERE PROVIDED IN REAL TIME USING A TRIMBLE R8 RTK GPS RECEIVER OPERATING ON REAL TIME KINEMATICS CORRECTIONS BROADCAST FROM TRIMBLE R8 RTK BASE RECEIVER. RTK CORRECTIONS WERE BROADCAST FROM A LOCAL BASE STATION OCCUPYING "946 8756 H" & "CELL". DATA WAS COLLECTED AND PROCESSED USING "HYPACK 2025" INTEGRATED SOFTWARE. HORIZONTAL CONTROL WAS SURVEYED USING RTK GNSS EQUIPMENT AND TECHNIQUES. VERTICAL CONTROL WAS VERIFIED USING DIFFERENTIAL LEVELING TECHNIQUES MAY 25, 2025.

6. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF THE SURVEYS.

7. MAP SOUNDINGS ARE BINNED AT 10 FEET. THE SHOALEST SOUNDINGS OF EACH REACH FROM THIS SURVEY ARE HIGHLIGHTED IN THE DRAWING (\*\*SEE LEGEND).

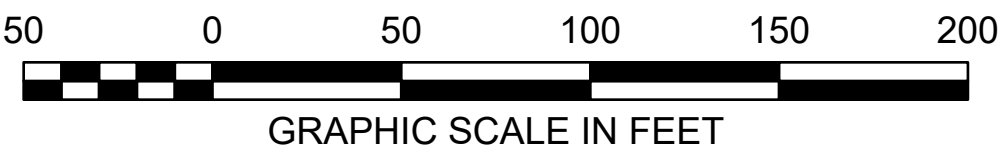
IMAGERY/BASEMAPS: NAUTICAL CHART RASTER COURTESY OF NOAA AND ARCGIS ONLINE. IMAGERY COURTESY OF DIGITALGLOBE.  
IMAGERY DATE: 20220908

NOAA/USCG DATA: NO NOAA INFORMATION IS CURRENTLY REFERENCED IN THIS DATA. REFERENCE THE LATEST PUBLICATION OF CHART 16206 AND LOCAL NOTICE TO MARINERS PUBLISHED BY THE USCG FOR INFORMATION INCLUDING, BUT NOT LIMITED TO, NAVIGATION BUOYS, BEACONS, WRECKS, OBSTRUCTION POINTS, MARINE CABLES, ETC.

PROJECT INFORMATION: THIS PROJECT WAS COMPLETED IN 1922 WITH NAVIGATION IMPROVEMENTS COMPLETED IN 2008. MAINTENANCE DREDGING IS CONDUCTED ANNUALLY. THE PROJECT DEPTH OF THE OUTER ENTRANCE CHANNEL IS -22 FEET MLLW. THE ENTRANCE CHANNEL THEN TRANSITIONS TO A PROJECT DEPTH OF -12 FEET MLLW. THE INNER ENTRANCE CHANNEL TO THE SMALL BOAT BASIN HAS A PROJECT DEPTH OF -10 FEET MLLW. THE MOORING AND MANEUVERING AREA OF THE SMALL BOAT BASIN HAS A PROJECT DEPTH OF -10 FEET MLLW.

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**LEGEND**  
-- Federal Navigation Project Limits  
-- Federal Navigation Station Line  
● Shoalest Sounding(s)\*\*  
— Project Depth Contour  
■ Shoaling Area

US Army Corps of Engineers  
ALASKA DISTRICT

CONTRACT NO.: W01HE240007  
CONTRACTOR: ALASKA MARINE EXCAVATION  
CITY: ANCHORAGE STATE: AK  
PROJECT: NOME HARBOR  
DATE: 15-16 & 22-23 JUNE, 2025  
BY: [Signature]  
DATE: [Signature]

REVISION

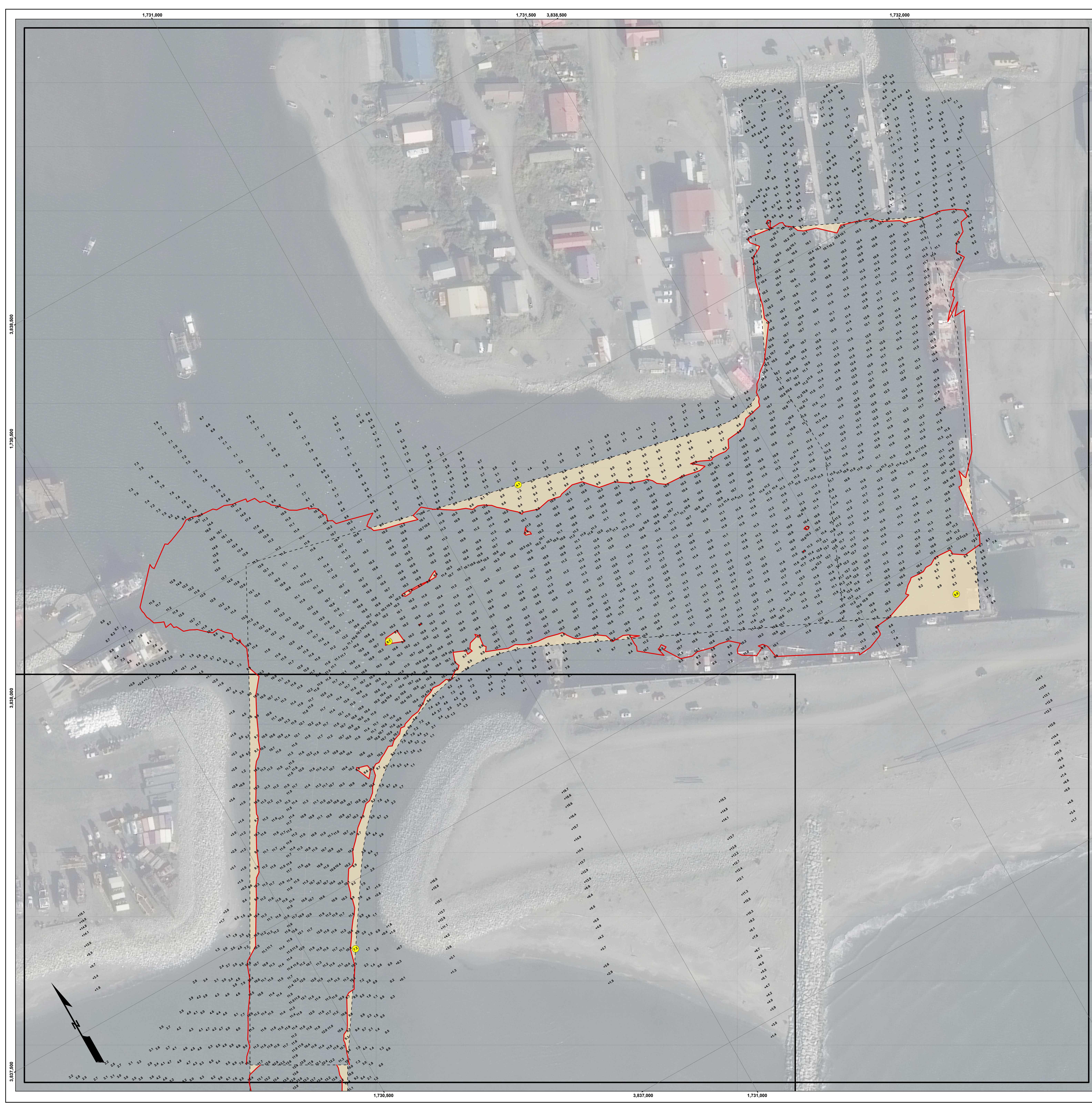
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| 1   | ISSUED FOR CONSTRUCTION | 15-16 & 22-23 JUNE, 2025 |

U.S. ARMY CORPS OF ENGINEERS  
ALASKA DISTRICT  
JEROME A. ALLEN, DISTRICT ENGINEER  
HUGHES & ASSOCIATES  
7779 N. GLENN HWY  
PALMER, AK 99645

**SHEET IDENTIFICATION**  
NOME ALASKA  
NOME HARBOR  
POST-DREDGE SURVEY  
15-16 & 22-23 JUNE, 2025  
Sheet 2 of 4

Revision Number: 1.00  
Document Name: AK-14-NOME-20250623\_AD\_XC





**Nome Harbor**

CONTRACT NO.: W0118E240007  
CONTRACTOR: ALASKA MARINE EXCAVATION  
CITY: ANCHORAGE STATE: AK  
PROJECT NO.: 15-16 & 22-23  
DATE: 15-16 & 22-23 JUNE, 2025  
BY: [Signature]  
DATE: [Signature]

NOTES:

1. PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD83 (2011) EPOCH 2010.00 IN U.S. FEET BASED ON A FULLY CONSTRAINED STATIC GPS NETWORK HOLDING THE PUBLISHED NAD83 (2011) EPOCH 2010.00 VALUES OF NATIONAL GEODETIC SURVEY (NGS) CORRS STATIONS: "BUCKLAND AK 2007 CORRS GRP" (PID DL6686), "BALD HEAD AK 2006 CORRS GRP" (PID DL7649), "KOTZEBUE AK 2007 CORRS GRP" (PID DL6677), "ST MICHAEL AK 2018 CORRS GRP" (PIDDR5470), AND "UNALAKLEET AK 2008 CORRS GRP" (PID DL6431).

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7. MAP SOUNDINGS ARE BINNED AT 10 FEET. THE SHOALEST SOUNDINGS OF EACH REACH FROM THIS SURVEY ARE HIGHLIGHTED IN THE DRAWING (\*\*SEE LEGEND).

IMAGERY/BASEMAPS: NAUTICAL CHART RASTER COURTESY OF NOAA AND ARCGIS ONLINE. IMAGERY COURTESY OF DIGITALGLOBE.  
IMAGERY DATE: 20220908

NOAA/USCG DATA: NO NOAA INFORMATION IS CURRENTLY REFERENCED IN THIS DATA. REFERENCE THE LATEST PUBLICATION OF CHART 16206 AND LOCAL NOTICE TO MARINERS PUBLISHED BY THE USCG FOR INFORMATION INCLUDING, BUT NOT LIMITED TO, NAVIGATION BUOYS, BEACONS, WRECKS, OBSTRUCTION POINTS, MARINE CABLES, ETC.

PROJECT INFORMATION: THIS PROJECT WAS COMPLETED IN 1922 WITH NAVIGATION IMPROVEMENTS COMPLETED IN 2008. MAINTENANCE DREDGING IS CONDUCTED ANNUALLY. THE PROJECT DEPTH OF THE OUTER ENTRANCE CHANNEL IS -22 FEET MLLW. THE ENTRANCE CHANNEL THEN TRANSITIONS TO A PROJECT DEPTH OF -12 FEET MLLW. THE INNER ENTRANCE CHANNEL TO THE SMALL BOAT BASIN HAS A PROJECT DEPTH OF -10 FEET MLLW. THE MOORING AND MANEUVERING AREA OF THE SMALL BOAT BASIN HAS A PROJECT DEPTH OF -10 FEET MLLW.

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50 0 50 100 150 200  
GRAPHIC SCALE IN FEET

**LEGEND**

- Federal Navigation Project Limits
- Federal Navigation Station Line
- Shoalest Sounding(s)\*\*
- Project Depth Contour
- Shoaling Area

U.S. ARMY CORPS OF ENGINEERS  
ALASKA DISTRICT  
1000 EAST 10TH AVE  
JBER, AK 99506-0088  
HUGHES & ASSOCIATES  
7179 N GLENN HWY  
PALMER, AK 99645

DATE: 15-16 & 22-23 JUNE, 2025  
BY: [Signature]  
DATE: [Signature]

REVISION

| NO. | DATE | DESCRIPTION |
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SHEET IDENTIFICATION  
Sheet 4 of 4

Revision Number: 1.00  
Document Name: AK-14-NOM-20250623\_AD\_XC