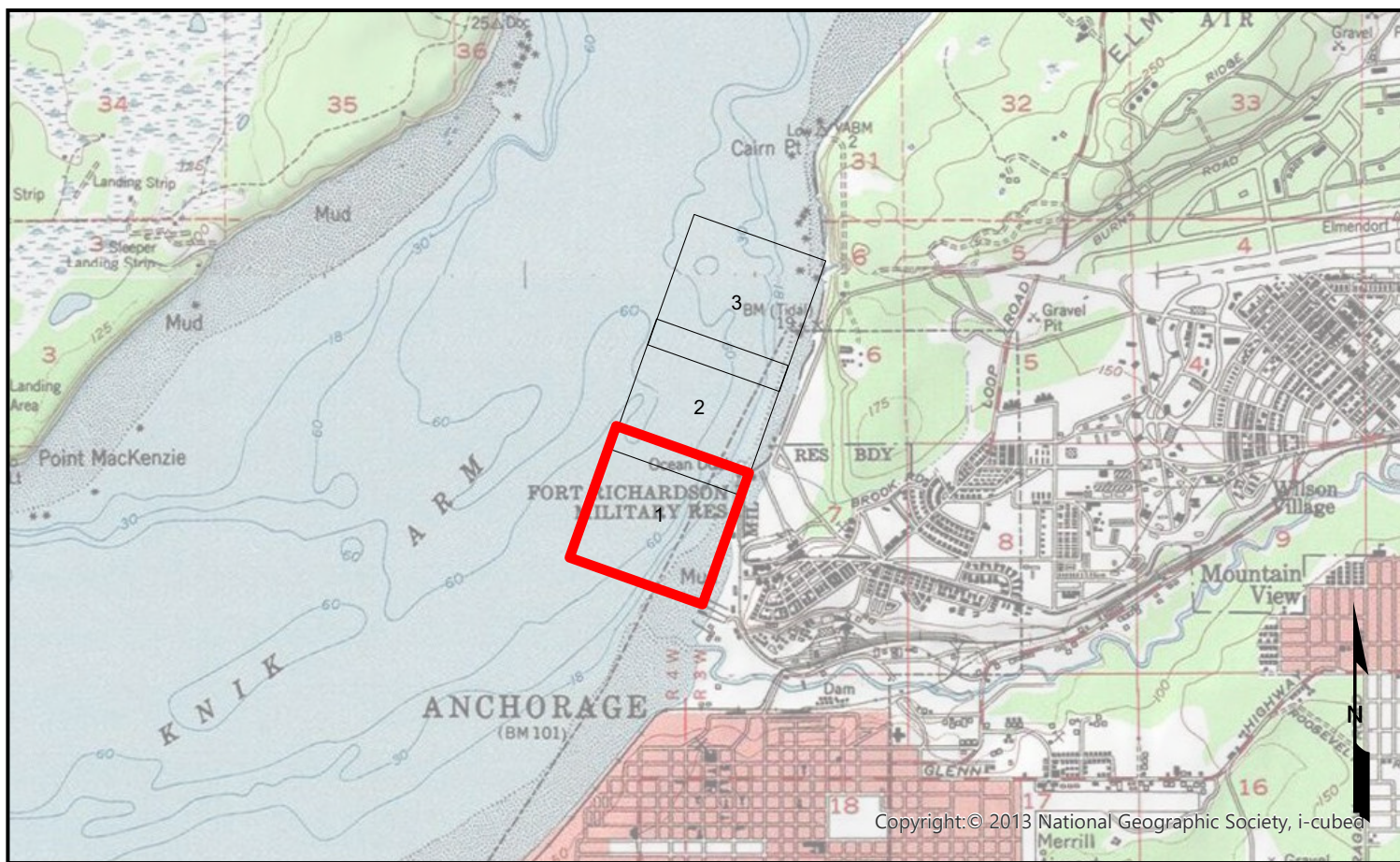
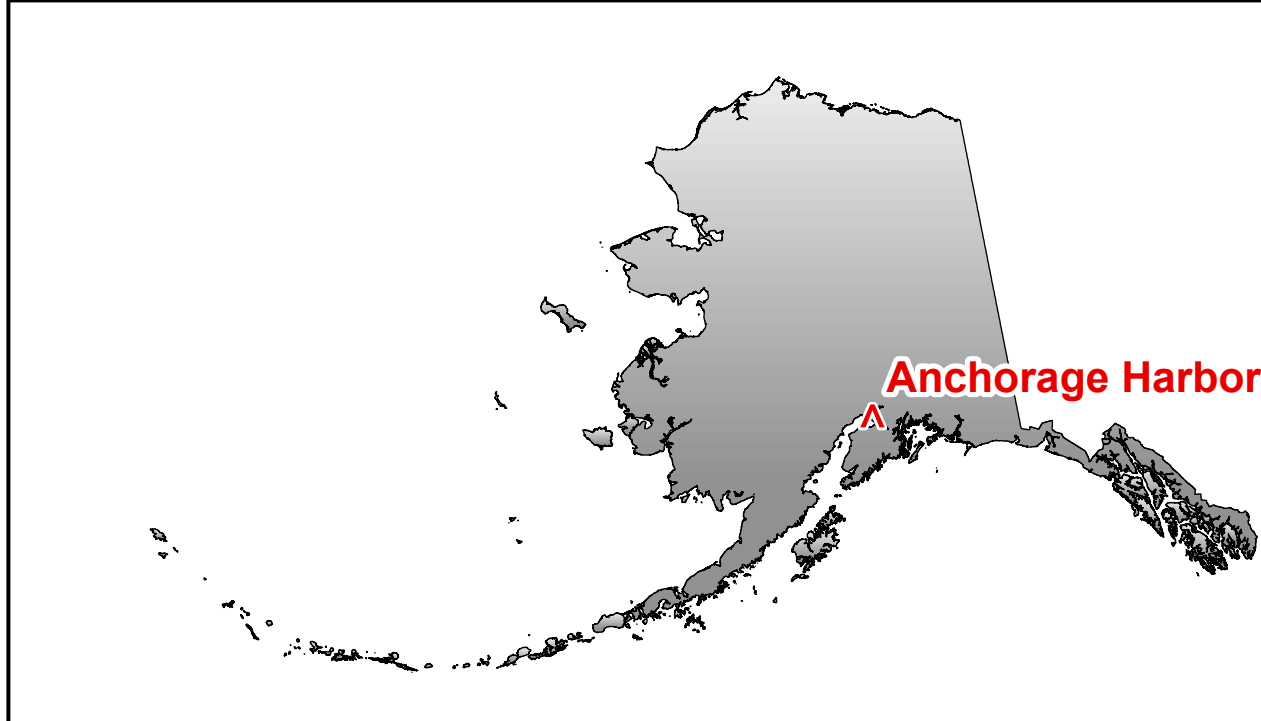
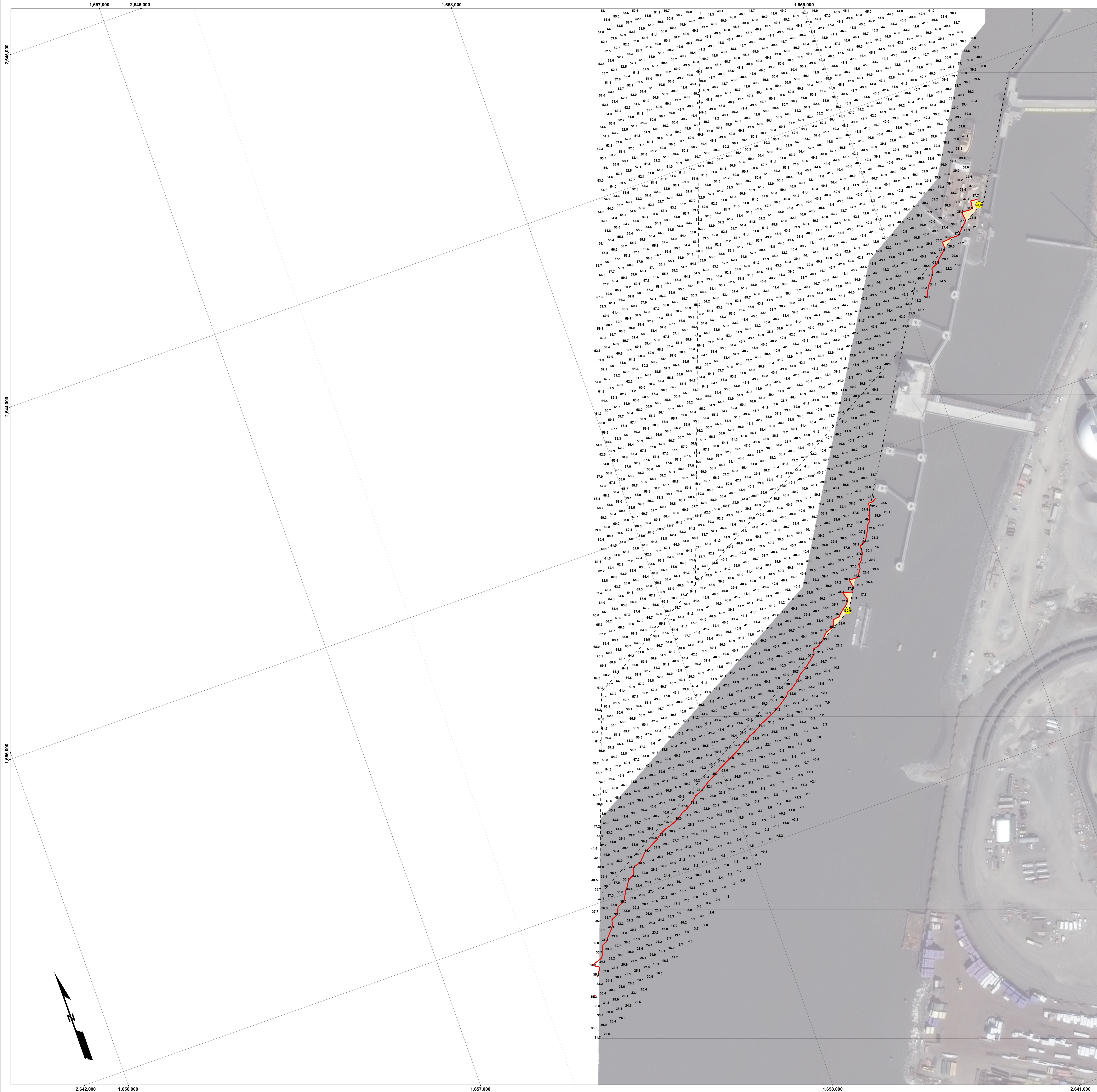




NOTES:
1. PRIMARY HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 4, NAD83 (2011) EPOCH 2010.00, IN US SURVEY FEET BASED ON A FULLY CONSTRAINED STATIC GPS NETWORK HOLDING THE PUBLISHED NGS STATIONS "VAN DUSEN" (PID TT4676), "LOOP2 RM3" (PID U4V446), AND NGS CORS STATIONS "ANC2" (PID DL6498), "TBON" (PID DK4055), "TSEA" (PID AO9522), AND "ZAN1" (PID DE9153).

LOCAL HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 4, NAD83 IN US SURVEY FEET HOLDING CONTROL STATION "MANS_BASE" AS N 2,643,684.48", E 1,659,729.08".

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3. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM ARE BASED ON PUBLISHED NAVD83 (GEOID 12B) ELEVATIONS HOLDING NOAA/NOS TIDAL BENCHMARK "945 5920 TIDAL 16" (VM# 1335 / PID TT0713) AS 29.79'.

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

5. SOUNDINGS WERE COLLECTED USING A R2SONIC 2024 MULTIBEAM ECHOSOUNDER OPERATING AT 200KHZ. SURFACE SOUND VELOCITY WAS MEASURED USING A VALEPORT SV-PLUS MOUNTED TO THE SONAR HEAD. SOUND VELOCITY THROUGH THE WATER COLUMN WAS MEASURED USING AN AML BASE X SOUND VELOCITY PROBE. POSITION AND VESSEL ORIENTATION WERE MEASURED USING AN APPLANIX POSMV WAVEMASTER V5 SYSTEM RECEIVING RTK CORRECTIONS FROM A TRIMBLE SPS855 GNSS RECEIVER SET AT CONTROL STATION "MANS_BASE". LOCATED ATOP THE MANSON OFFICE BUILDING. SURVEY DATA WAS COLLECTED USING QINSY SOFTWARE AND PROCESSED USING QIMERA SOFTWARE.

6. LOCAL HORIZONTAL AND VERTICAL CONTROL WERE VERIFIED BY ETRAC INC. IN APRIL 2026 AS PART OF THE PRE-DREDGE SURVEY.

7. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF THE SURVEY.

8. BATHYMETRY WAS COLLECTED OCTOBER 01, 2026. MAP SOUNDINGS ARE BINNED AT 30 FEET (SHOAL-BIASED ON CELL CENTER). THE SHOALEST SOUNDINGS OF EACH REACH FOR THIS SURVEY ARE HIGHLIGHTED IN THE DRAWING ("SEE LEGEND").

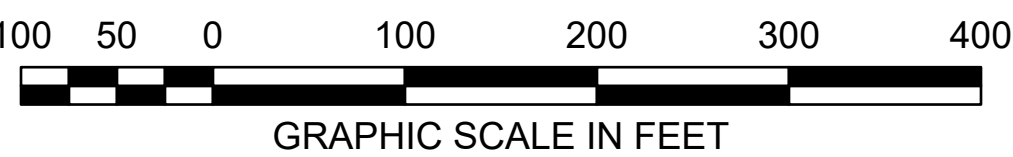
IMAGERY/BASEMAPS: USGS COURTESY OF ARCGIS ONLINE, NATIONAL GEOGRAPHIC SOCIETY, AND I-CUBED. IMAGERY COURTESY OF DIGITALGLOBE. IMAGERY DATE: 20220621

NOAA/USCG DATA: NO NOAA INFORMATION IS CURRENTLY REFERENCED IN THIS DATA. REFERENCE THE LATEST PUBLICATION OF CHART 16665 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 THE 1960'S. MAINTENANCE DREDGING IS CONDUCTED ANNUALLY FROM LATE APRIL THROUGH EARLY NOVEMBER. THE PROJECT DEPTH ALONG THE EXISTING DOCK FACE IS -35 FEET MLLW. THE PETROLEUM CEMENT TERMINAL WAS ACCEPTED UNDER A SECTION 408 REQUEST AND INCORPORATED INTO THE DREDGE LIMITS, WITH A PROJECT DEPTH OF -35 FEET MLLW, IN AUGUST 2022.

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

CONTRACT NO.: W31HE24C0005
CONTRACTOR: JANSSEN CONSTRUCTION CO.
CITY: SEATTLE STATE: WA
Document: 1659001001_CS_044

DATE: 01 OCTOBER 2026

BY: [Signature] DATE: [Signature]

REVISION: [Table with 3 columns: REVISION, DATE, DESCRIPTION]

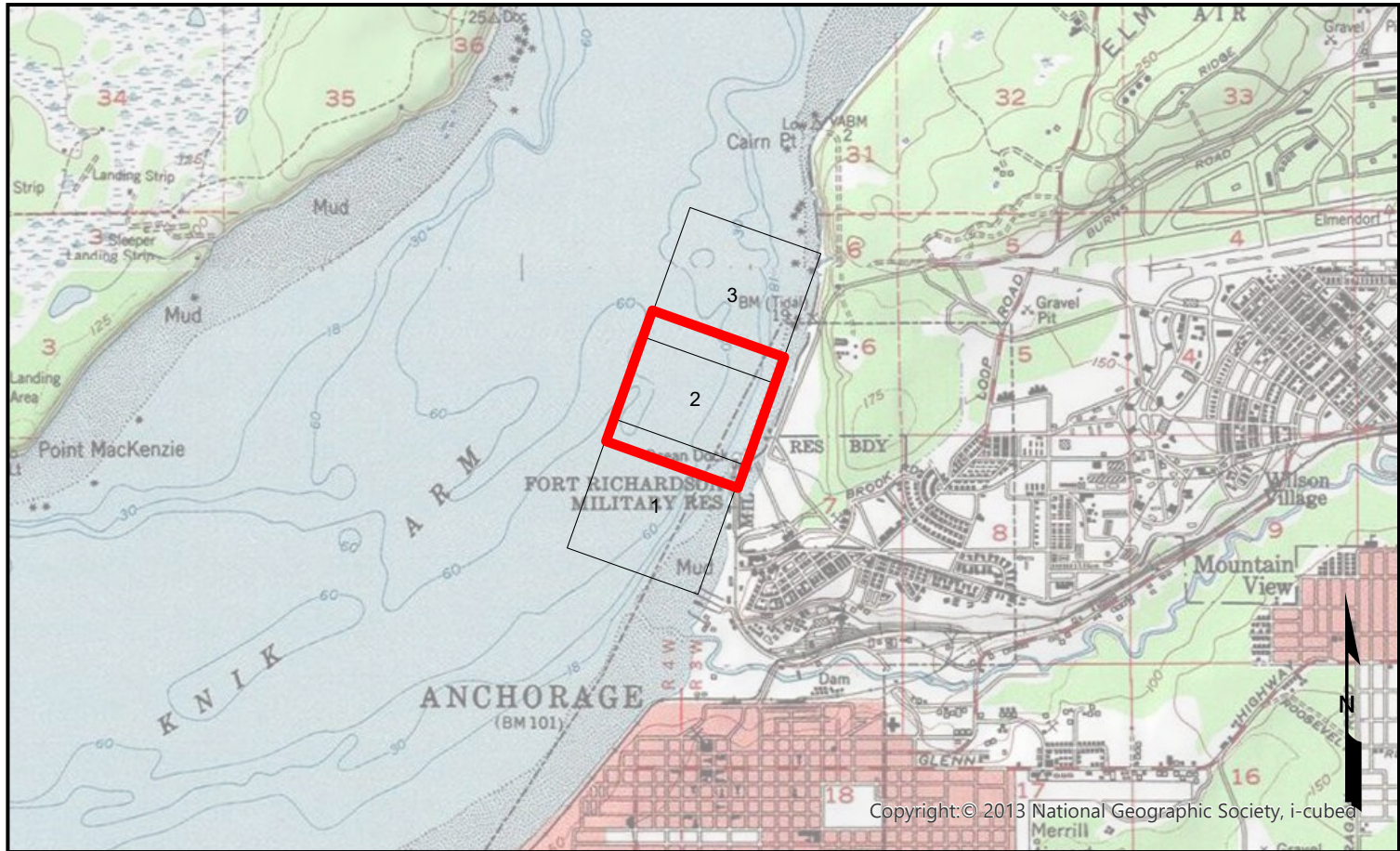
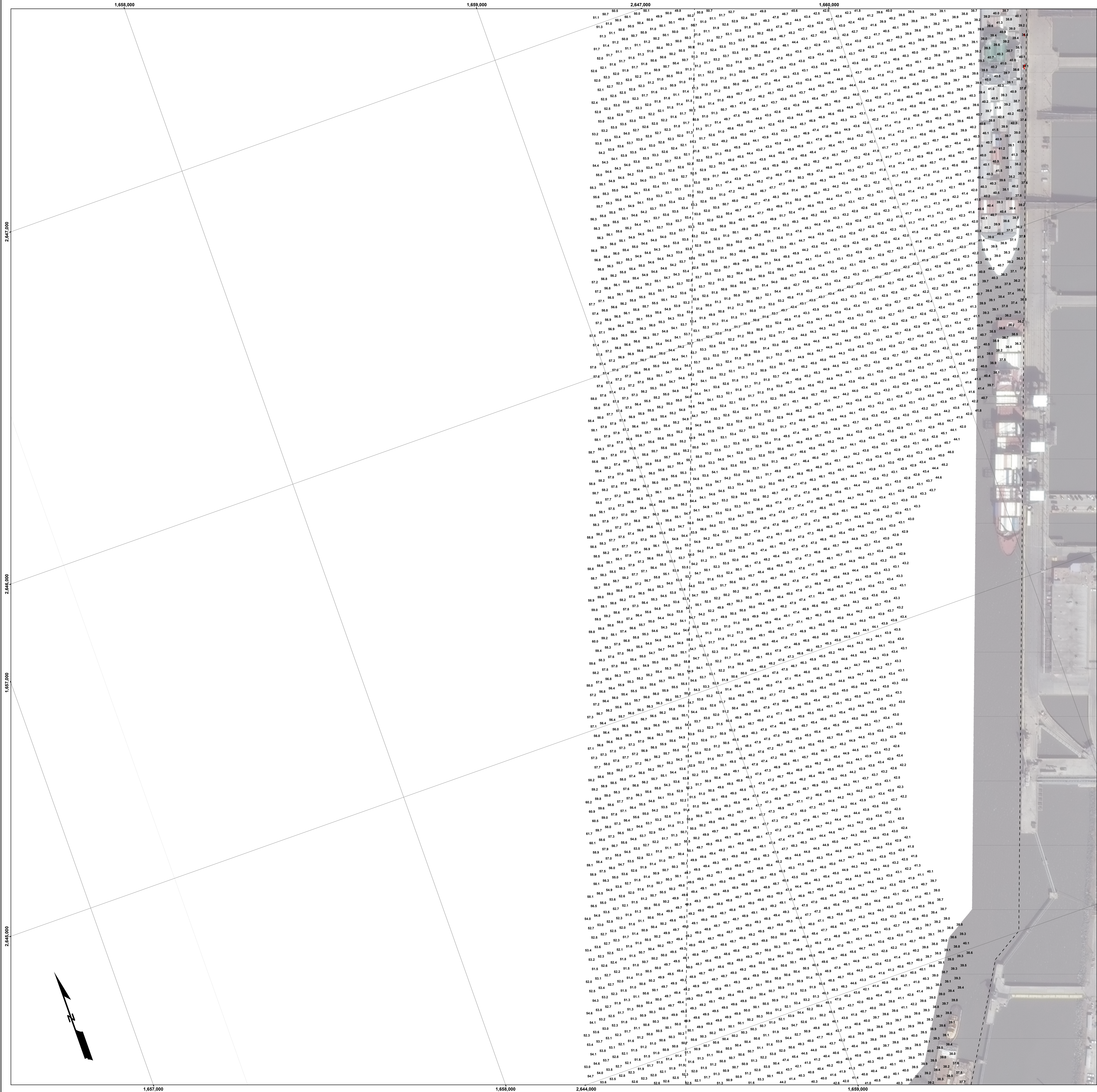
U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
JBER, AK 99505-0088
ETRAC, INC.
617 S KNICK-GOOSE BAY RD
WASILLA, AK 99654

ANCHORAGE, ALASKA
ANCHORAGE HARBOR
INTERMEDIATE SURVEY 44
01 OCTOBER 2026

SHEET
IDENTIFICATION

Sheet 1 of 3

Revision Number:
1.0
Document Name:
AK_16_ANC_20261001_CS_044



NOTES:
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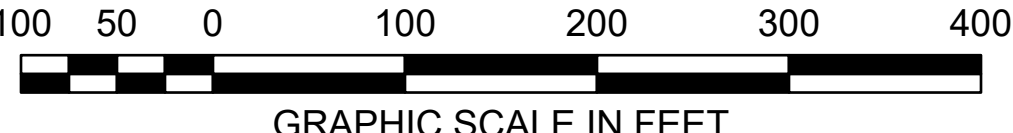
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DATE: _____
BY: _____
APPROVED: _____
DATE: _____

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
JEBER ALASKA DISTRICT
617 S NIKK-GOOSE BAY RD
WASILLA, AK 99654

ANCHORAGE, ALASKA
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