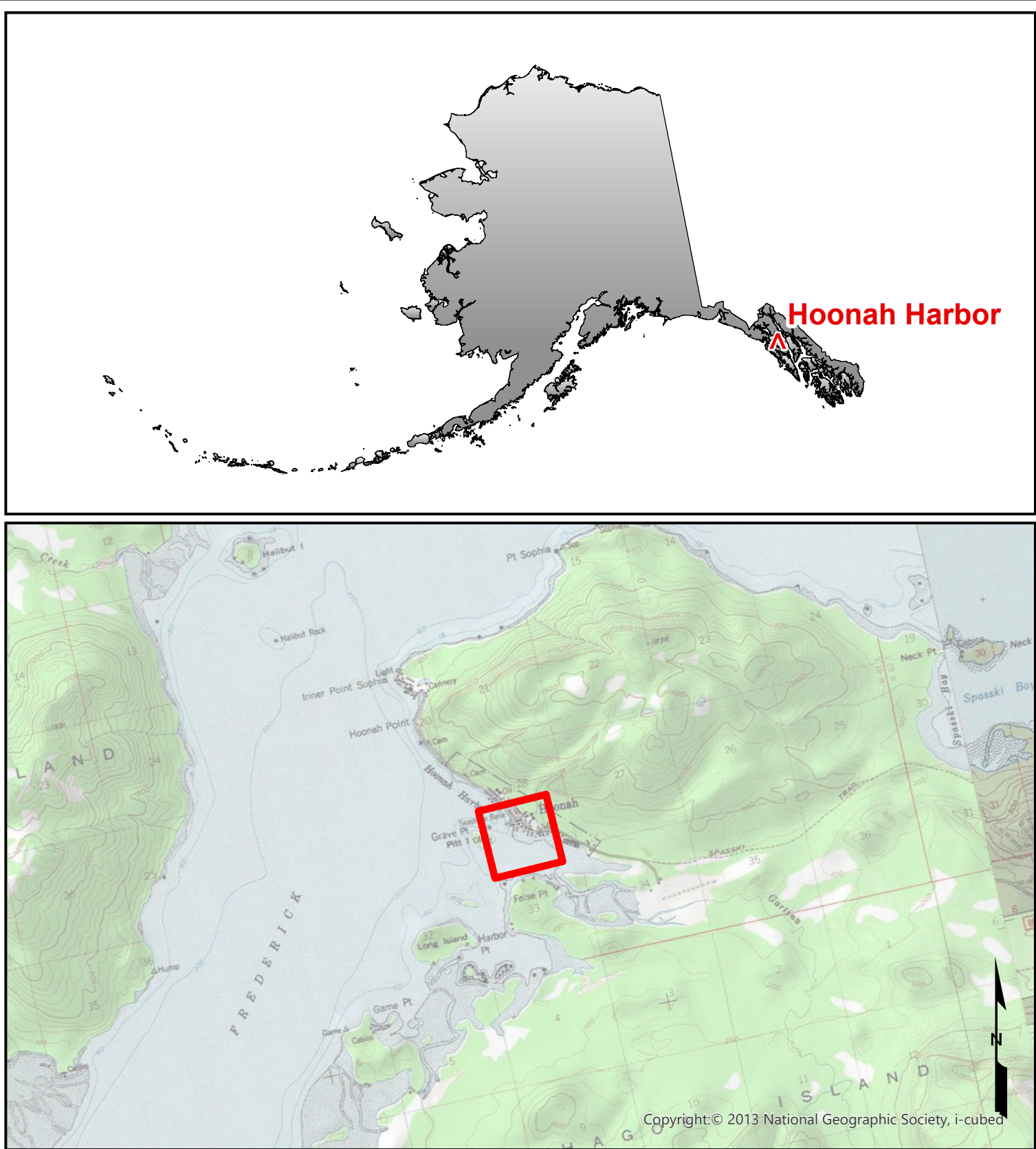




NOTES:

1. PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 1, NAD83 (CORRS96), IN US SURVEY FEET BASED ON A OPUS DB PUBLISHED VALUE FOR NOAA/NOS TIDAL BENCH MARK "2438 A 2009" (PID BBBQ31/VM#19565) AS N 2,296,080.45', E 2,341,612.33'.

2. VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW=0.0'), BASED ON THE NOAA/NOS TIDAL BENCH MARK LIST: "945 2438 HOONAH, ALASKA" PUBLISHED 06/27/2018. THIS TIDAL DATUM IS BASED ON THE 2012-2016 TIDAL EPOCH AND IS REFERENCED BY HOLDING NOAA/NOS TIDAL BENCH MARK "2438 C 2009" AS 24.05'.

3. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM ARE BASED ON PUBLISHED NAVD88 (GEOID12B) ELEVATION HOLDING NOAA/USACE TIDAL BENCHMARK "2438 C 2009" (PID BBH283/VM#19567) AS 21.32ac TM.

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

5. POSITION AND VESSEL ORIENTATION WERE MEASURED USING AN APPLIANIX POSMV WAVEMASTER V5 SYSTEM. BATHYMETRY WAS COLLECTED APRIL 10-12, 2026 USING AN RZSONIC 2020 MULTIBEAM ECHOSOUNDER OPERATING AT 400 KHZ. SOUND VELOCITY THROUGH THE WATER COLUMN WAS DETERMINED WITH AN AML BASE X2 SOUND VELOCITY PROBE. LIDAR WAS COLLECTED USING A RIEGL VZ-400 TERRESTRIAL SCANNER ON APRIL 11, 2026. DATA WAS COLLECTED AND PROCESSED USING QINSY 9.6 AND QIMERA 2.6 SOFTWARE. HORIZONTAL CONTROL WAS SURVEYED USING STATIC GNSS EQUIPMENT AND TECHNIQUES. VERTICAL CONTROL WAS SURVEYED USING DIFFERENTIAL LEVELING TECHNIQUES.

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

7. MAP SOUNDINGS ARE BINNED AT 24 FEET AND ARE SHOAL-BIASED. (**SEE LEGEND).

REVISION

NO.	DATE	DESCRIPTION
1	04/10/2026	INITIAL SURVEY
2	04/11/2026	DATA COLLECTION
3	04/12/2026	DATA PROCESSING
4	04/13/2026	DATA ANALYSIS
5	04/14/2026	DATA REPORTING
6	04/15/2026	DATA REVIEW
7	04/16/2026	DATA APPROVAL
8	04/17/2026	DATA ARCHIVING
9	04/18/2026	DATA DELETION
10	04/19/2026	DATA RESTORATION
11	04/20/2026	DATA BACKUP
12	04/21/2026	DATA RECOVERY
13	04/22/2026	DATA VERIFICATION
14	04/23/2026	DATA VALIDATION
15	04/24/2026	DATA DOCUMENTATION
16	04/25/2026	DATA DISTRIBUTION
17	04/26/2026	DATA DESTRUCTION
18	04/27/2026	DATA RECONSTRUCTION
19	04/28/2026	DATA REPAIR
20	04/29/2026	DATA RECOVERY
21	04/30/2026	DATA RECOVERY
22	04/31/2026	DATA RECOVERY
23	05/01/2026	DATA RECOVERY
24	05/02/2026	DATA RECOVERY
25	05/03/2026	DATA RECOVERY
26	05/04/2026	DATA RECOVERY
27	05/05/2026	DATA RECOVERY
28	05/06/2026	DATA RECOVERY
29	05/07/2026	DATA RECOVERY
30	05/08/2026	DATA RECOVERY
31	05/09/2026	DATA RECOVERY
32	05/10/2026	DATA RECOVERY
33	05/11/2026	DATA RECOVERY
34	05/12/2026	DATA RECOVERY
35	05/13/2026	DATA RECOVERY
36	05/14/2026	DATA RECOVERY
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52	05/30/2026	DATA RECOVERY
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55	06/02/2026	DATA RECOVERY
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82	06/29/2026	DATA RECOVERY
83	06/30/2026	DATA RECOVERY
84	07/01/2026	DATA RECOVERY
85	07/02/2026	DATA RECOVERY
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99	07/16/2026	DATA RECOVERY
100	07/17/2026	DATA RECOVERY

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
HOONAH HARBOR
PROJECT CONDITION SURVEY

CONTRACT NO.: W01HE230000
CONTRACTOR: ETAC, INC.
CITY: WASILLA
STATE: AK
PROJECT: HOONAH HARBOR
PROJECT NO.: 617-SNICK-GOOSE BAY RD
SCALE: 1"=400'
DATE: 04/10/2026
BY: JAC

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