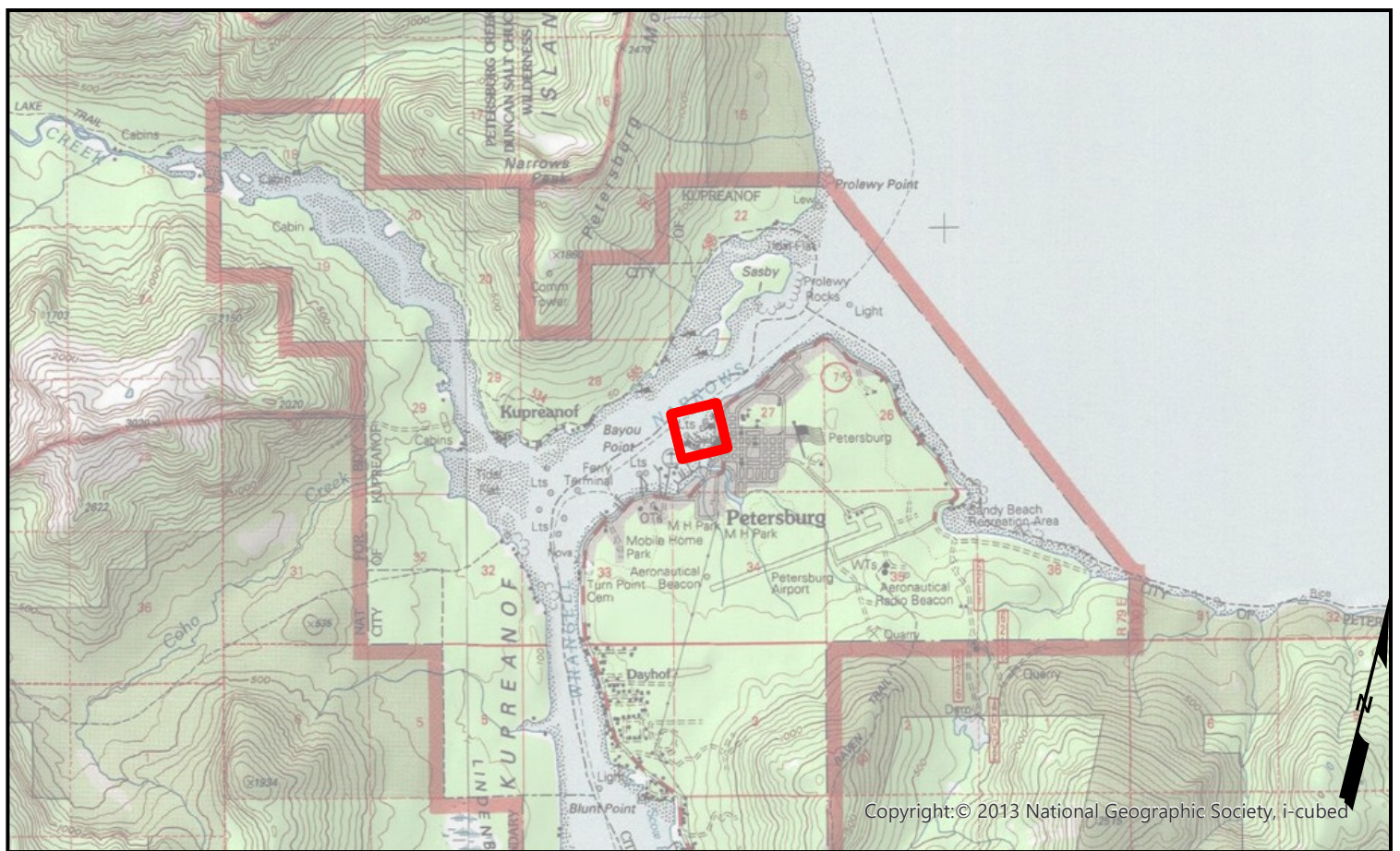
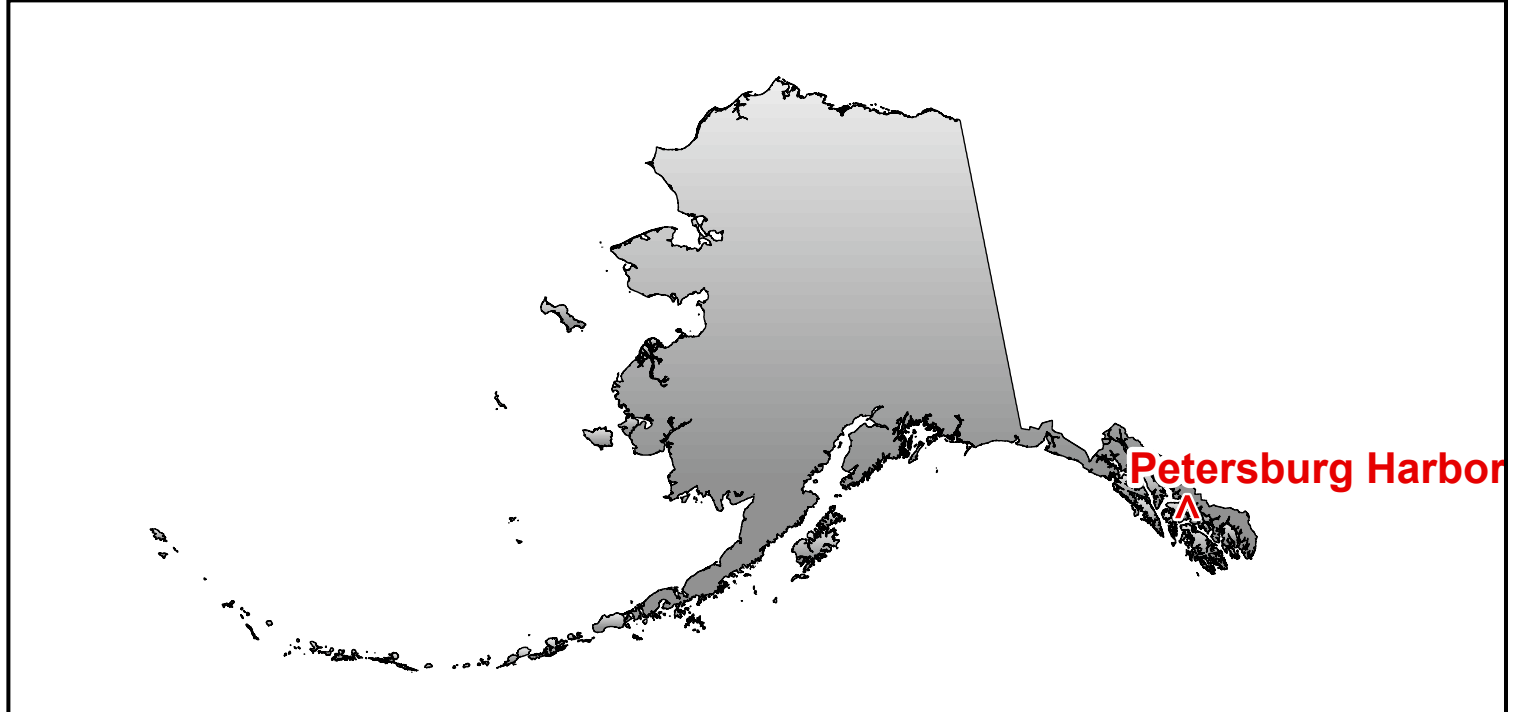




NOTES:
1. PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 1, NAD83 (CORS EPOCH) EPOCH 2003 VALUES IN U.S. SURVEY FEET OF NGCS CORS STATIONS: "BIORKA ISLAND 1 CORS ARP" (PID A10522) AS N 1,838,733.13' E 2,311,186.49'; "JUNEAU WAAS 1 CORS ARP" (PID DF4367) AS N 2,385,816.86' E 2,509,443.56'; AND "LEVEL ISLAND 5 CORS ARP" (PID DJ3033) AS N 1,692,097.79' E 2,801,993.45'.

LOCAL PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 1,
NAD83 (2011) 2010.00, IN U.S. SURVEY FEET HOLDING NH-4 2000 AS N
1,818,325.29', E 2,827,135.91'.

2. VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW=0.0 FT), BASED ON THE NOAA/NOS TIDAL BENCH MARK LIST "945 1434 TURN POINT, ALASKA", PUBLISHED 06/08/2009. THIS TIDAL DATUM IS BASED ON THE 1983-2001 TIDAL EPOCH AND IS REFERENCED BY HOLDING NOAA/NOS TIDAL BENCH MARK "945 1434 TIDAL A" (VM#18109/PID BBBC62) AS 27.14 FT.

3. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM ARE BASED ON PUBLISHED NAVD88 (GEOID 12B) ELEVATIONS HOLDING NOAA/USACE TIDAL BENCHMARK "NH-4 2000" (PID BBBC65) AS 22.48 FT.

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

5. SOUNDINGS WERE COLLECTED USING AN R2SONIC 2020 MULTIBEAM ECHOSOUNDER OPERATING AT 400 KHZ. SOUND VELOCITY THROUGH THE WATER COLUMN WAS DETERMINED WITH AN AML BASE X2 SOUND VELOCITY PROBE. POSITION AND VESSEL ORIENTATION WERE MEASURED USING AN APPLANIX POSMV WAVEMASTER V5 SYSTEM RECEIVING RTK CORRECTIONS FROM A TRIMBLE R10 MODEL 1 GPS RECEIVER SET AT CONTROL STATION "NH-3 2000".

6. DATA WAS COLLECTED AND PROCESSED USING QINSY 8.18 AND QIMERA 2.4 SOFTWARE. HORIZONTAL CONTROL WAS VERIFIED USING RTK GNSS EQUIPMENT AND TECHNIQUES. VERTICAL CONTROL WAS SURVEYED USING DIFFERENTIAL LEVELING TECHNIQUES.

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

8. BATHYMETRY WAS COLLECTED MAY 30, 2022. SOUNDINGS ARE BINNED AT 12 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: 20110712

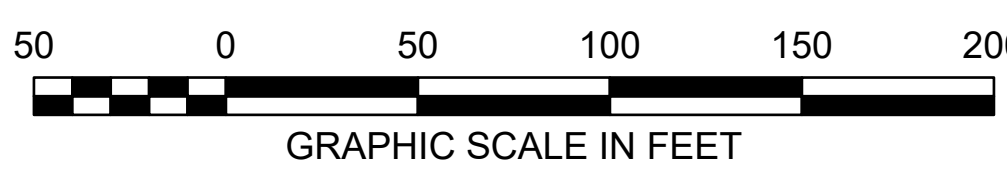
NOAA/USCG DATA: NO NOAA INFORMATION IS CURRENTLY REFERENCED IN THIS DATA. REFERENCE THE LATEST PUBLICATION OF CHART 17375 AND LOCAL NOTICE TO MARINERS PUBLISHED BY THE USCG FOR INFORMATION INCLUDING, BUT NOT LIMITED TO, NAVIGATION BUOYS, BEACONS, WRECKS, OBSTRUCTION POINTS, MARINE CABLES, ETC.

PROJECT INFORMATION: THE ORIGINAL PROJECT WAS COMPLETED IN 1937. EXPANSION OF THE BASIN AND DREDGING THE OUTER PORTION OF THE BASIN TO INCREASED DEPTH WAS COMPLETED IN 1957. MAINTENANCE DREDGING WAS CONDUCTED IN 1969, 1971, AND 2013. THE PROJECT DEPTH OF THE BASIN IS -11 AND -15 FEET MLLW. THE PROJECT DEPTH OF THE APPROACH TO THE WHARVES IS -24 FEET MLLW.

DISCLAIMER

EXCESS CONSTRAINTS. THE UNITED STATES GOVERNMENT FURNISHES THESE DATA AND THE RECIPIENT ACCEPTS AND USES THEM WITH THE EXPRESS UNDERSTANDING THAT THE UNITED STATES GOVERNMENT MAKES NO WARRANTIES, EXPRESSED, OR IMPLIED CONCERNING THE ACCURACY, COMPLETENESS, TIMELINESS, OR RELIABILITY OF THE DATA. THE DATA IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. THE UNITED STATES SHALL BE UNDER NO LIABILITY WHATSOEVER TO ANY PERSON BY REASON OF THE DATA. THE RECIPIENT AGREES TO HOLD THE UNITED STATES GOVERNMENT HARMLESS FROM AND TO DEFEND THE UNITED STATES GOVERNMENT AGAINST ALL SUCH CLAIMS. THE RECIPIENT AGREES NOT TO REPRESENT THESE DATA TO ANYONE AS OTHER THAN GOVERNMENT PROVIDED DATA. THE RECIPIENT MAY NOT TRANSFER THESE DATA TO OTHERS WITHOUT ALSO TRANSFERRING THIS DISCLAIMER.

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LEGEND

Navigation Project Limits



US Army Corps
of Engineers
ALASKA DISTRICT

CONTRACT NO.: W311KB-18-D-0014		DATE	
CONTRACTOR: ETRAC INC.		CHIEF OPERATIONS	
CITY: WASILLA STATE: AK			
Approved: _____		PRIME CONTRACTOR	
Recommender: _____			

[illegible][illegible][illegible]

CWIS:	072759
UPC:	N/A
CONTRACT NO.:	W911KB-18-D-0014
JOB NO.:	1-PET-92-07-04

SURVEYED BY: ETRAC, INC.		CHECKED BY: ENHJ	
PLOTTED BY: ENHJ		APPROVED BY: Chief, Operations Branch	
SCALE: 1" = 50'	PLOT DATE: 7/23/2024		FILENAME: AK_06_PET_20220530
SIZE: ANSI E			

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ALASKA DISTRICT
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JBER, ALASKA 99506-0898

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617 S KNICK-GOOSE BAY RD
WASILLA, AK 99654

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MITKOF ISLAND, ALASKA
PETERSBURG HARBOR
CONDITION SURVEY
MAY 28 - JUNE 08, 2022

SHEET
IDENTIFICATION

Sheet 1 of 1

Revision Number:
4.33.12.3-5.23.12.3
Document Name:
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