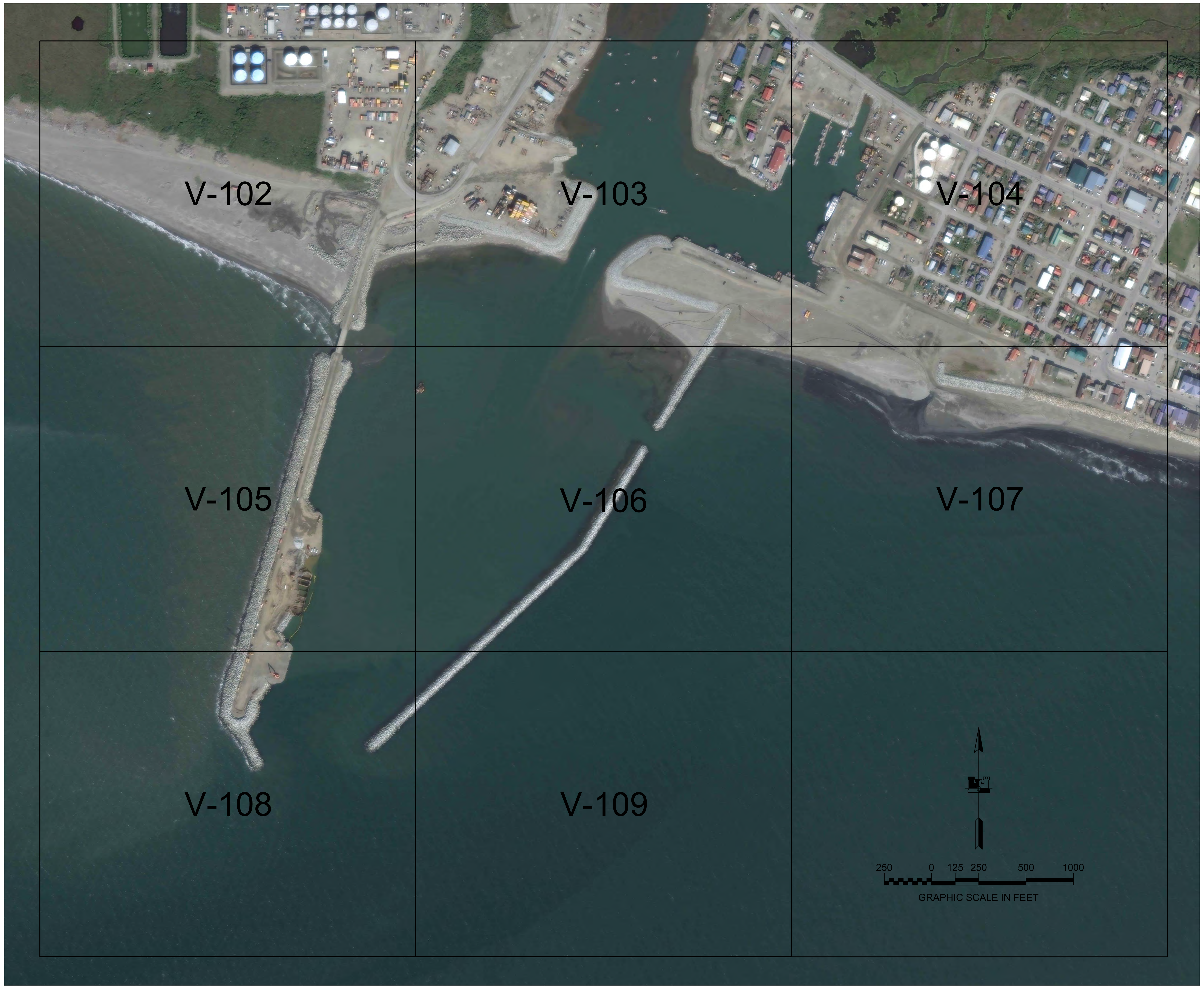
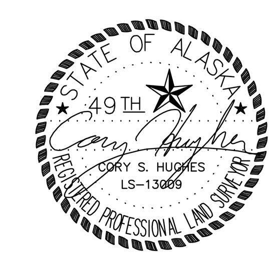
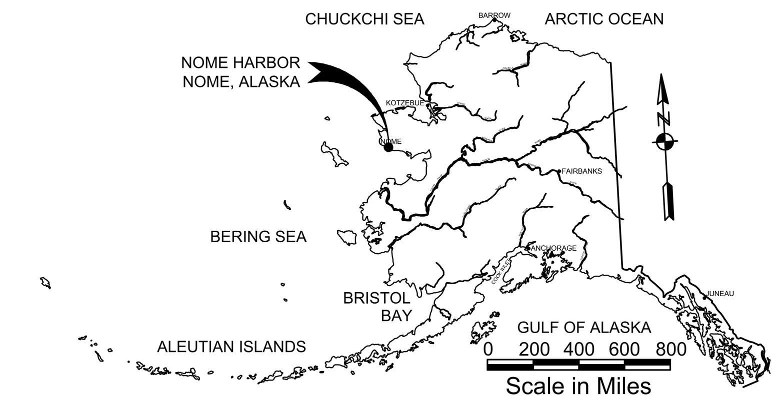
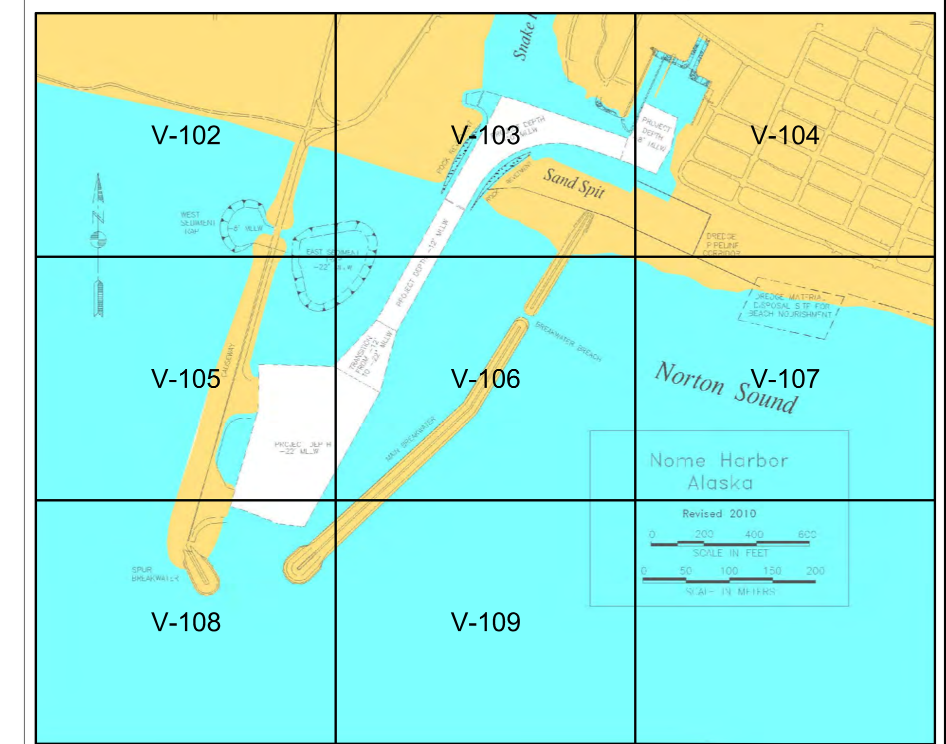






LOCATION/VICINITY MAP(S)



NOTES

1. PRIMARY PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD83 (NSRS2007) U.S. FEET. BASIS OF COORDINATES IS NATIONAL GEODETIC SURVEY (NGS) CONTROL STATIONS "OME A" (PID DF3651), AS N 3,841,096.47 AND E 1,728,070.64 AND "OME B" (PID DF3652), AS N 3,842,264.55 AND E 1,729,661.41. MONUMENTS ARE SECONDARY AIRPORT CONTROL STATIONS (SACS) AT NOME AIRPORT, ALASKA. LOCAL PROJECT HORIZONTAL CONTROL IS ALASKA STATE PLANE, ZONE 8, NAD 83 BASED ON CONTROL MONUMENT "NH-03" AS N 3,837,585.34 AND E 1,730,864.94 AND "NH-04" AS N 3,837,212.71 AND E 1,731,266.48.
2. PRIMARY PROJECT VERTICAL CONTROL IS MEAN LOWER LOW WATER (MLLW=O.O'), BASED ON NOAA/NOS TIDE STATION "946 8756 NOME, NORTON SOUND, ALASKA" PUBLISHED 2/9/2009. THIS TIDAL DATUM IS BASED ON THE 1983-2001 TIDAL EPOCH AND IS REFERENCED BY HOLDING NOAA/NOS TIDAL BENCHMARK "8756 E 1992" AS 16.72 FEET ABOVE MLLW.
3. VERTICAL TIES TO THE NATIONAL SPATIAL REFERENCE SYSTEM IS BASED ON PUBLISHED NAVD88 ELEVATIONS HOLDING NOAA/NOS TIDAL BENCHMARK "946 8756 G 1992" (PID BBBD24) AS 15.42 FEET.
4. SOUNDINGS ARE IN FEET AND ARE NEGATIVE UNLESS INDICATED OTHERWISE.
5. THIS DRAWING INDICATES GENERAL CONDITIONS AT THE TIME OF SURVEY.
6. POST DREDGE SURVEYS WERE CONDUCTED ON JUNE 28-29 & AUG. 13-14, 2015 BY HUGHES & ASSOCIATES, WASILLA, AK. SURVEY DATA COLLECTION WAS LIMITED TO THE AREAS WHERE DREDGING WAS COMPLETED. SOUNDINGS WERE COLLECTED USING A RESON NAVISOUND 210 DEPTH SOUNDER WITH A 200KHZ, 3 DEGREE BEAM-WIDTH, SINGLE-BEAM TRANSDUCER. POSITIONING AND TIDES WERE PROVIDED IN REAL TIME USING A TRIMBLE R8 RECEIVER OPERATING ON KINEMATIC CORRECTORS BROADCAST FROM A TRIMBLE R8 BASE STATION SET AT USACE BRASS CAP "NH-04 2007". VESSEL NAVIGATION, DATA COLLECTION AND PROCESSING WERE PERFORMED USING HYPACK 2015 INTEGRATED SOFTWARE.
7. THE CONTROL VALUES SHOWN IN THE TABLE ARE NOAA PUBLISHED VALUES. CONTROL USED WERE VERIFIED PRIOR TO THE PRE DREDGE SURVEY AND HOLD AS PUBLISHED.

SURVEY CONTROL DATA

STATION	NORTHING	EASTING	MLLW	DESCRIPTION
39+71	3,834,957.98	1,729,422.33	16.88	BRASS CAP (NOT SEARCHED)
53+68	3,834,888.51	1,728,762.20	14.36	BRASS CAP (NOT SEARCHED)
8756-E 1992	3,838,068.50	1,729,823.00	16.72	BRASS CAP (FOUND)
BOOTSTRAP	3,838,021.15	1,730,359.97	6.84	BRASS CAP (FOUND)
CELL	3,835,965.94	1,729,122.26	12.91	ALUMINUM MON (FOUND)
DINGO	3,836,890.97	1,732,407.19	19.48	BRASS CAP (FOUND)
KMJV-1	3,837,168.87	1,729,283.15	16.63	BRASS CAP (FOUND)
NH-02	3,838,272.50	1,731,835.01	12.59	BRASS CAP (FOUND)
NH-03	3,837,585.34	1,730,864.94	14.01	BRASS CAP (FOUND)
NH-04	3,837,212.71	1,731,266.48	15.44	BRASS CAP (FOUND)
OME A	3,841,096.47	1,728,070.64		BRASS CAP (NOT SEARCHED)
OME B	3,842,264.55	1,729,661.41		BRASS CAP (NOT SEARCHED)
PUMP	3,837,605.19	1,731,831.48	9.32	BRASS CAP (FOUND)
SHEET	3,837,882.85	1,731,533.69	11.84	ALUMINUM MON (DESTROYED)

DREDGED MATERIAL PLACEMENT AREA

CORNER#	NORTHING	EASTING
D1	3,836,824.59	1,732,382.37
D2	3,836,697.10	1,732,946.87
D3	3,836,418.50	1,732,818.63
D4	3,836,546.00	1,732,254.13

SURVEY LIMITS

CORNER#	NORTHING	EASTING
1	3,833,988.63	1,729,500.82
2	3,834,388.48	1,727,992.32
3	3,835,359.29	1,728,024.68
4	3,835,233.84	1,728,536.07
5	3,834,973.88	1,728,518.44
6	3,834,880.85	1,728,655.20
7	3,834,730.05	1,728,735.65
8	3,834,722.75	1,728,851.43
9	3,834,818.42	1,728,904.81
10	3,834,992.14	1,728,806.34
11	3,835,113.31	1,728,876.78
12	3,835,250.46	1,728,920.04
13	3,835,440.79	1,728,974.99
14	3,835,564.00	1,728,959.61
15	3,835,911.84	1,729,059.45
16	3,835,940.96	1,729,123.40
17	3,836,166.59	1,729,127.64
18	3,836,243.67	1,729,075.34
19	3,836,307.82	1,729,085.60
20	3,836,550.74	1,729,155.40
21	3,836,694.83	1,729,203.96

SURVEY LIMITS

CORNER#	NORTHING	EASTING
22	3,836,737.92	1,729,234.80
23	3,836,791.44	1,729,254.84
24	3,836,872.47	1,729,305.27
25	3,836,917.04	1,729,326.26
26	3,837,101.94	1,729,380.21
27	3,837,215.51	1,729,364.11
28	3,837,240.26	1,729,593.68
29	3,837,262.41	1,729,747.60
30	3,837,341.06	1,730,140.80
31	3,837,386.65	1,730,224.29
32	3,837,550.51	1,730,441.69
33	3,837,834.13	1,730,604.31
34	3,837,901.51	1,730,586.05
35	3,837,936.57	1,730,479.44
36	3,838,067.00	1,730,484.53
37	3,838,086.08	1,730,611.18
38	3,837,856.45	1,731,469.04
39	3,837,883.71	1,731,527.32
40	3,838,266.56	1,731,705.15
41	3,838,156.56	1,731,945.06
42	3,838,121.14	1,731,928.81

SURVEY LIMITS

CORNER#	NORTHING	EASTING
43	3,838,062.55	1,732,056.60
44	3,837,844.03	1,731,956.41
45	3,837,873.21	1,731,892.78
46	3,837,382.19	1,731,670.15
47	3,837,429.47	1,731,564.21
48	3,837,388.32	1,731,545.17
49	3,837,658.33	1,730,946.01
50	3,837,649.49	1,730,836.88
51	3,837,552.79	1,730,693.17
52	3,837,447.56	1,730,607.38
53	3,837,396.54	1,730,622.75
54	3,837,233.79	1,730,515.32
55	3,836,757.10	1,730,246.89
56	3,836,065.16	1,729,970.26
57	3,835,088.68	1,729,424.17
58	3,835,069.36	1,729,381.21
59	3,834,967.86	1,729,272.71
60	3,834,836.45	1,729,293.16
61	3,834,807.02	1,729,422.81
62	3,834,908.69	1,729,531.49

DREDGE LIMITS (MAIN CHANNEL)

CORNER#	NORTHING	EASTING
DL-1	3,835,149.55	1,729,399.02
DL-2	3,836,072.82	1,729,918.93
DL-3	3,836,470.43	1,730,028.07
DL-4	3,837,258.32	1,730,471.76
DL-5	3,837,512.08	1,730,634.04
DL-6	3,837,682.32	1,730,850.05
DL-7	3,837,676.52	1,731,038.64
DL-8	3,837,477.28	1,731,471.47
DL-9	3,837,389.71	1,731,661.72
DL-10	3,837,780.09	1,731,841.42
DL-11	3,837,960.29	1,731,879.63
DL-12	3,838,068.59	1,731,647.06
DL-13	3,837,889.01	1,731,563.78

DREDGE LIMITS (MAIN CHANNEL)

CORNER#	NORTHING	EASTING
DL-13A	3,837,833.67	1,731,450.42
DL-14	3,838,004.90	1,730,713.69
DL-15	3,837,805.36	1,730,607.88
DL-16	3,837,331.92	1,730,341.06
DL-17	3,836,544.03	1,729,897.37
DL-18	3,836,244.56	1,729,613.96
DL-19	3,836,256.67	1,729,127.44
DL-20	3,836,166.59	1,729,127.64
DL-21	3,836,166.59	1,729,227.64
DL-22	3,835,941.14	1,729,224.59
DL-23	3,835,263.17	1,729,026.05
DL-24	3,835,168.52	1,729,218.48

ENTRANCE CHANNEL CENTERLINE

POINT	STATION	NORTHING	EASTING
C1	10+00	3,837,645.05	1,731,549.07
C2	16+17.02	3,837,846.12	1,730,965.73
C3	19+84.80	3,837,725.78	1,730,648.92
C4	49+49.20	3,835,142.70	1,729,194.32

DREDGE LIMITS (EAST SEDIMENT TRAP)

CORNER#	NORTHING	EASTING
DL-25	3,837,169.70	1,729,826.82
DL-26	3,837,188.08	1,729,724.66
DL-27	3,837,141.72	1,729,440.28
DL-28	3,836,920.50	1,729,383.90
DL-29	3,836,712.15	1,729,439.22
DL-30	3,836,753.91	1,729,609.77
DL-31	3,836,795.08	1,729,685.94
DL-32	3,836,877.58	1,729,717.05
DL-33	3,836,889.71	1,729,804.27
DL-34	3,837,022.53	1,729,867.08

DREDGE LIMITS (STA 18+00 TO 23+00 +-)

CORNER#	NORTHING	EASTING
A	3,837,887.27	1,730,662.63
B	3,837,690.63	1,730,843.85
C	3,837,413.08	1,730,561.80
D	3,837,483.02	1,730,437.69
E	3,837,517.58	1,730,630.69

VOLUME COMPUTATIONS

−10 PROJECT DEPTH AREA (APPROX STATION 18+64 TO APPROX STATION 24+75)	
VOLUME REMOVED TO PROJECT DEPTH (−10 FT)	1,731 cy
VOLUME REMOVED BETWEEN PD (−10 FT) AND MAX−PAY DEPTH (−11 FT)	1,580 cy
−12 PROJECT DEPTH AREA (APPROX STATION 24+75 TO APPROX STATION 33+83)	
VOLUME REMOVED TO PROJECT DEPTH (−12 FT)	4,253 cy
VOLUME REMOVED BETWEEN PD (−12 FT) AND MAX−PAY DEPTH (−13 FT)	4,457 cy
TRANSITION AREA (APPROX STATION 33+83 TO APPROX STATION 37+83)	
VOLUME REMOVED TO PROJECT DEPTH (VARIES)	10,089 cy
VOLUME REMOVED BETWEEN PD (VARIES) AND MAX−PAY DEPTH (VARIES)	1,306 cy
−22 PROJECT DEPTH AREA (APPROX STATION 37+83 TO STATION 49+49)	
VOLUME REMOVED TO PROJECT DEPTH (−22 FT)	21,155 cy
VOLUME REMOVED BETWEEN PD (−22 FT) AND MAX−PAY DEPTH (−23 FT)	7,212 cy
EAST SEDIMENT TRAP AREA (PROJECT DEPTH −22)	
VOLUME REMOVED TO PROJECT DEPTH (−22 FT) IN EAST SEDIMENT TRAP	47,617 cy
VOLUME REMOVED BETWEEN PROJECT DEPTH (−22 FT) AND MAX−PAY DEPTH (−23 FT) IN EAST SEDIMENT TRAP	19 cy
VOLUME REMOVED IN EAST SEDIMENT TRAP SIDE SLOPES (SLOUGHING)	8,575 cy
VOLUME REMOVED IN SIDE SLOPES (3:1 APPROX. STATION 18+64 TO 23+00)	2,761 cy
VOLUME REMOVED IN −22 FT PD SIDE SLOPES (APPROX. STATION 33+83 TO 48+82)	785 cy
VOLUME REMOVED IN SIDE SLOPES (SLOUGHING)	4,965 cy
TOTAL REMOVED VOLUME	116,505 cy
TOTAL OVERDREGE VOLUME	4,913 cy

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO.: W911KB-13-C-0007
CONTRACTOR: ALASKA MARINE EXCAVATION LLC LLC
CITY: ANCHOR POINT STATE: ALASKA
Recommended: Approved: Date:

DATE: 31 August 2015
SURVEY NO.: 3302-15
CONTRACT NO.: W911KB-13-C-0007
CWIS or UPC & (P2) #'s: NOM009
SURVEYED BY: BTH & JMJ
DRAWN BY: JMJ
CHECKED BY: CSH
APPROVED BY:
SCALE: 1" = 50'
PLOT DATE: 8/31/2015

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-101
Sheet 1 of

US Army Corps of Engineers ®
ALASKA DISTRICT

CONTRACT NO.: W91KB-13-C-0007		
CONTRACTOR: ALASKA MARINE EXCAVATION LLC		
CITY: ANCHOR POINT	STATE: ALASKA	
Recommended:	Approved:	Date:
NAME COMMODORE	CHIEF SURVEY SECTION	

REVISION	DATE	DESCRIPTION	BY	APPVD	REVISION	DATE	DESCRIPTION	BY	APPVD

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ	DATE: 27 August 2015	
DRAWN BY: JMJ	CHECKED BY: CSH	
APPROVED BY:	SURVEY NO.: 3302-15	
	CONTRACT NO.: W91KB-13-C-0007	
SCALE: 1" = 50'	PLOT DATE: 8/27/2015	CWIS or GPO & (PZI #): NOM029
SIZE: ANSI E	FILE NAME: 2015 NOME POST DREDGE 2 & 14.DWG	

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-102
Sheet 2 of 48

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO.: W91KB-13-C-0007	
CONTRACTOR: ALASKA MARINE EXCAVATION LLC	
CITY: ANCHOR POINT	STATE: ALASKA
Recommended:	Approved: Date:
NAME CONSTRUCTION	CHIEF SURVEY SECTION

REVISION	DATE	DESCRIPTION	BY	APPV'D	REVISION	DATE	DESCRIPTION	BY	APPV'D

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ
DRAWN BY: JMJ
CHECKED BY: CSH
APPROVED BY:
DATE: 27 August 2015
SURVEY NO.: 3202-15
CONTRACT NO.: W91KB-13-C-0007
CWIS or GPO & (P2) #: NOM029
SCALE: 1" = 50'
PLOT DATE: 8/27/2015
FILE NAME: NOME SURVEY 2015 DREDGE 2 & 14 DWG

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-103
Sheet 3 of 48

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO.: W91KB-13-C-0007	
CONTRACTOR: ALASKA MARINE EXCAVATION LLC	
CITY: ANCHOR POINT	STATE: ALASKA
Recommended:	Approved:
NAME COMMANDER	CHIEF SURVEY SECTION
Date:	

REVISION	DATE	DESCRIPTION	BY	APPV'D

REVISION	DATE	DESCRIPTION	BY	APPV'D

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ
DATE: 27 August 2015
DRAWN BY: JMJ
CHECKED BY: CSH
SURVEY NO.: 3302-15
APPROVED BY:
CONTRACT NO.: W91KB-13-C-0007
SCALE: 1" = 50'
PLOT DATE: 8/27/2015
CWIS or CPO & (#21) #: NOM029
SIZE: ARIZ E
FILE NAME: 2015 NOME POST DREDGE 2 X 14 DWG

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-104
Sheet 4 of 48

US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO.: W91KB-13-C-0007		
CONTRACTOR: ALASKA MARINE EXCAVATION LLC		
CITY: ANCHOR POINT	STATE: ALASKA	
Recommended:	Approved:	Date:
NAME CONSTRUCTION	CHIEF SURVEY SECTION	

REVISION	DATE	DESCRIPTION	BY	APPV'D	REVISION	DATE	DESCRIPTION	BY	APPV'D

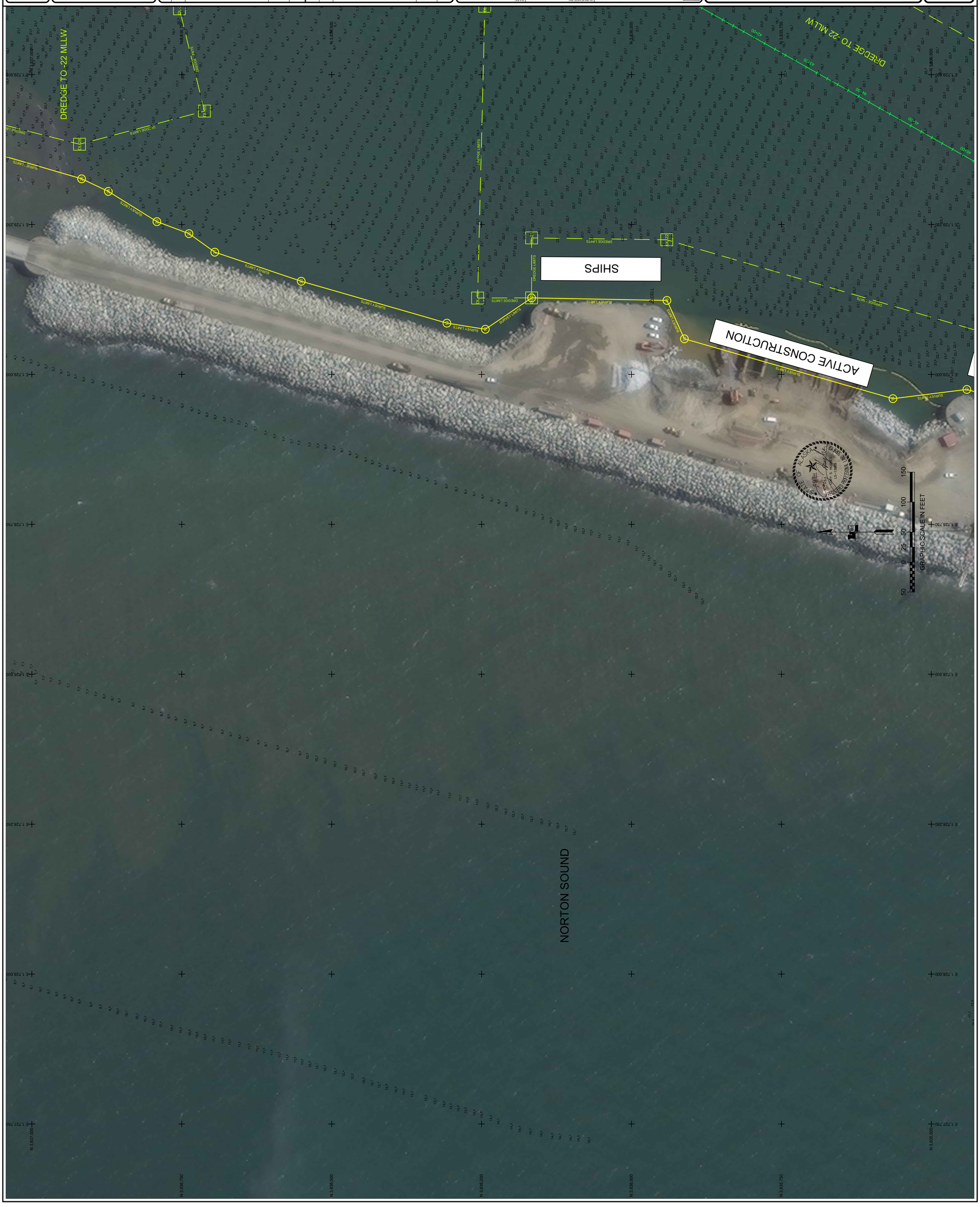
U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ	DATE: 27 August 2015
DRAWN BY: JMJ	CHECKED BY: CSH
APPROVED BY:	SURVEY NO.: 3302-15
SCALE: 1" = 50'	PLOT DATE: 8/27/2015
SIZE: ANSI E	FILE NAME: NOM029
	CONTRACT NO.: W91KB-13-C-0007
	CWIS or CPO & (P2) #: CWIS 6

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-105
Sheet 5 of 48



US Army Corps of Engineers ®
ALASKA DISTRICT

CONTRACTOR: ALASKA MARINE EXCAVATION LLC	CONTRACT NO.: W91KB-13-C-0007
CITY: ANCHOR POINT	STATE: ALASKA

Recommended:	Approved:	Date:
NAME CONTRACTOR	CHIEF SURVEY SECTION	

REVISION	DATE	DESCRIPTION	BY	APPV'D	REVISION	DATE	DESCRIPTION	BY	APPV'D

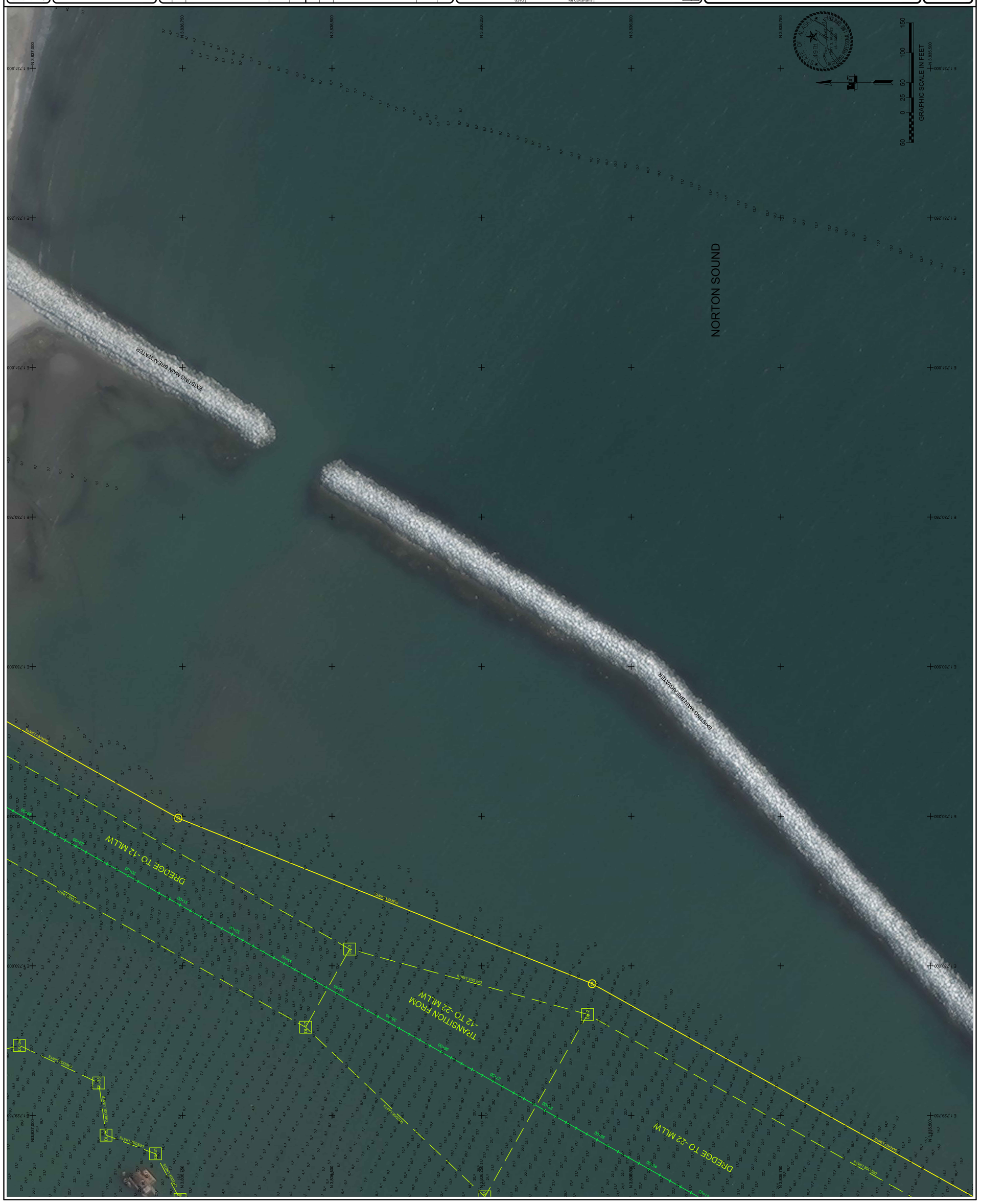
U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ		DATE: 27 August 2015
DRAWN BY: JMJ	CHECKED BY: CSH	SURVEY NO.: 3302-15
APPROVED BY:		CONTRACT NO.: W91KB-13-C-0007
SCALE: 1" = 50'	PLOT DATE: 8/27/2015	CWIS or GPO & (PZI #): NOM009
SIZE: ANSI E	FILE NAME: 2015 NOME POST DREDGE 2 X_14.DWG	

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-106
Sheet 6 of 48



US Army Corps of Engineers
ALASKA DISTRICT

CONTRACT NO.: W91YNB-13-C-0007
CONTRACTOR: ALASKA MARINE EXCAVATION LLC LLC
CITY: ANCHOR POINT STATE: ALASKA
Recommended: Approved: Date:
CHIEF, CONSTRUCTION OPS BRANCH CHIEF, CONTRACT BRANCH

REVISION	DATE	DESCRIPTION	BY	APPVD	REVISION	DATE	DESCRIPTION	BY	APPVD

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BH & MJ
DRAWN BY: JB & JL
APPROVED BY:
SCALE: 1"=40'
SIZE: ANSI E
FILE NAME: 2015 NOME POST DREDGE 2 & 14 SHEETS
PLOT DATE: 8/27/2015
CHECKED BY: DH
DATE: 27 August 2015
SURVEY NO.: 3-0-0-0
CONTRACT NO.: W91YNB-13-C-0007
NAD83/UTM Zone 3
NORTH AMERICAN VERTICAL DATUM OF 1988

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-107
Sheet 7 of 48

US Army Corps of Engineers ALASKA DISTRICT

CONTRACTOR: ALASKA MARINE EXCAVATION LLC	CONTRACT NO.: W912HA-13-C-0007
CITY: ANCHOR POINT	STATE: ALASKA
Recommended:	Approved:
NAME OF INSPECTOR	CHIEF SURVEY SECTION
Date:	

REVISION	DATE	DESCRIPTION	BY	APPV'D	REVISION	DATE	DESCRIPTION	BY	APPV'D

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ	DATE: 27 August 2015
DRAWN BY: JMJ	CHECKED BY: CSH
APPROVED BY:	SURVEY NO.: 3202-15
SCALE: 1" = 50'	PLOT DATE: 8/27/2015
FILE NAME: 8205E	CONTRACT NO.: W912HA-13-C-0007
AMSE	CWIS ID (GPO & (P2) #): NOM059
2015 NOME POST DREDGE 2 X 1 DWG	

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION V-108

Sheet 8 of 48

US Army Corps
of Engineers ®
ALASKA DISTRICT

CONTRACTOR: ALASKA MARINE EXCAVATION, LLC	CONTRACT NO.: W91KB-13-C-0007
CITY: ANCHOR POINT	STATE: ALASKA

Recommended:	Approved:	Date:
NAME CONTRACTOR	CHIEF SURVEY SECTION	

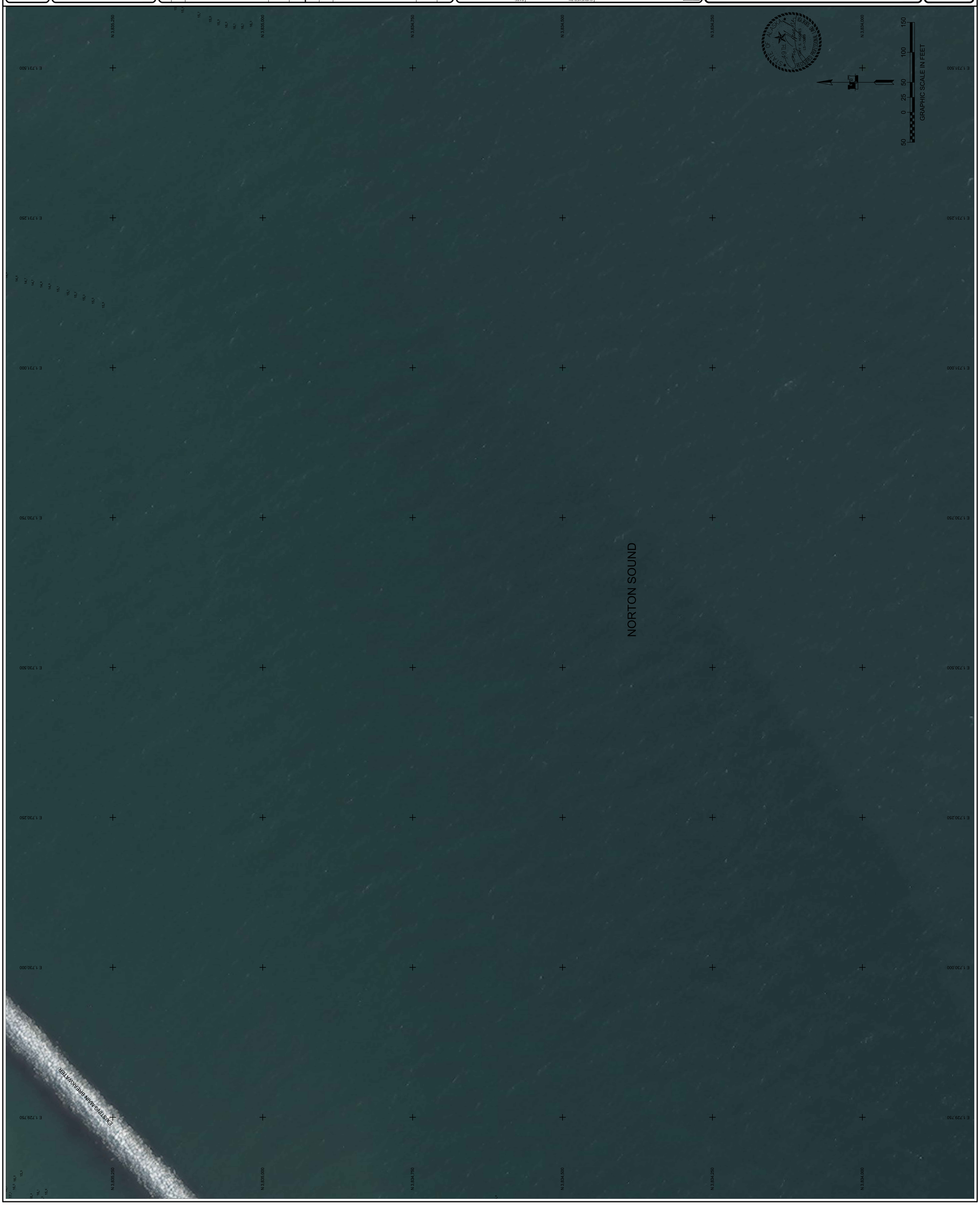
REVISION	DATE	DESCRIPTION	BY	APPVD

REVISION	DATE	DESCRIPTION	BY	APPVD

U.S. ARMY CORPS OF ENGINEERS
ALASKA DISTRICT
P.O. BOX 6898
JBER, ALASKA 99506-0898

HUGHES & ASSOCIATES
2970 COTTLE LOOP
WASILLA, AK 99654

SURVEYED BY: BTH & JMJ		DATE: 27 August 2015
DRAWN BY: JMJ	CHECKED BY: CSH	SURVEY NO.: 3302-15
APPROVED BY:		CONTRACT NO.: W91KB-13-C-0007
SCALE: 1" = 50'	PLOT DATE: 8/27/2015	CWIS or GPO & (P2) #s: NOM029
SIZE: ANSI E	FILE NAME: 2015 NOME POST DREDGE 2 X_14.DWG	

NOME HARBOR (NOME, ALASKA)
2015 MAINTENANCE DREDGING
POST-DREDGE HYDROGRAPHIC SURVEY 1 & 2
JUNE 28-29 & AUG. 13-14, 2015

SHEET IDENTIFICATION
V-109
Sheet 9 of 48