



**PROJECT SPECIFIC NOTES:**

- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 3104, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
- MEAN LOWER LOW WATER IS 0.7 - 1.8 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.3).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' INTERVAL.
- CONTOURS ON THIS MAP WERE GENERATED USING THE 3 x 3 DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- AERIAL IMAGERY PROVIDED BY [HTTPS://ORTHOS.DHSES.NY.GOV/](https://orthos.dhSES.ny.gov/) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "USCG NY 2".



LOCAL CONTROL DATA
BENCHMARK: USCG NY 2 (PID:BBDC31)
ELEVATION: 5.39' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.86' (NAVD 1988)



US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

	PR	OF	ED	FA
	MP			CB
				CM

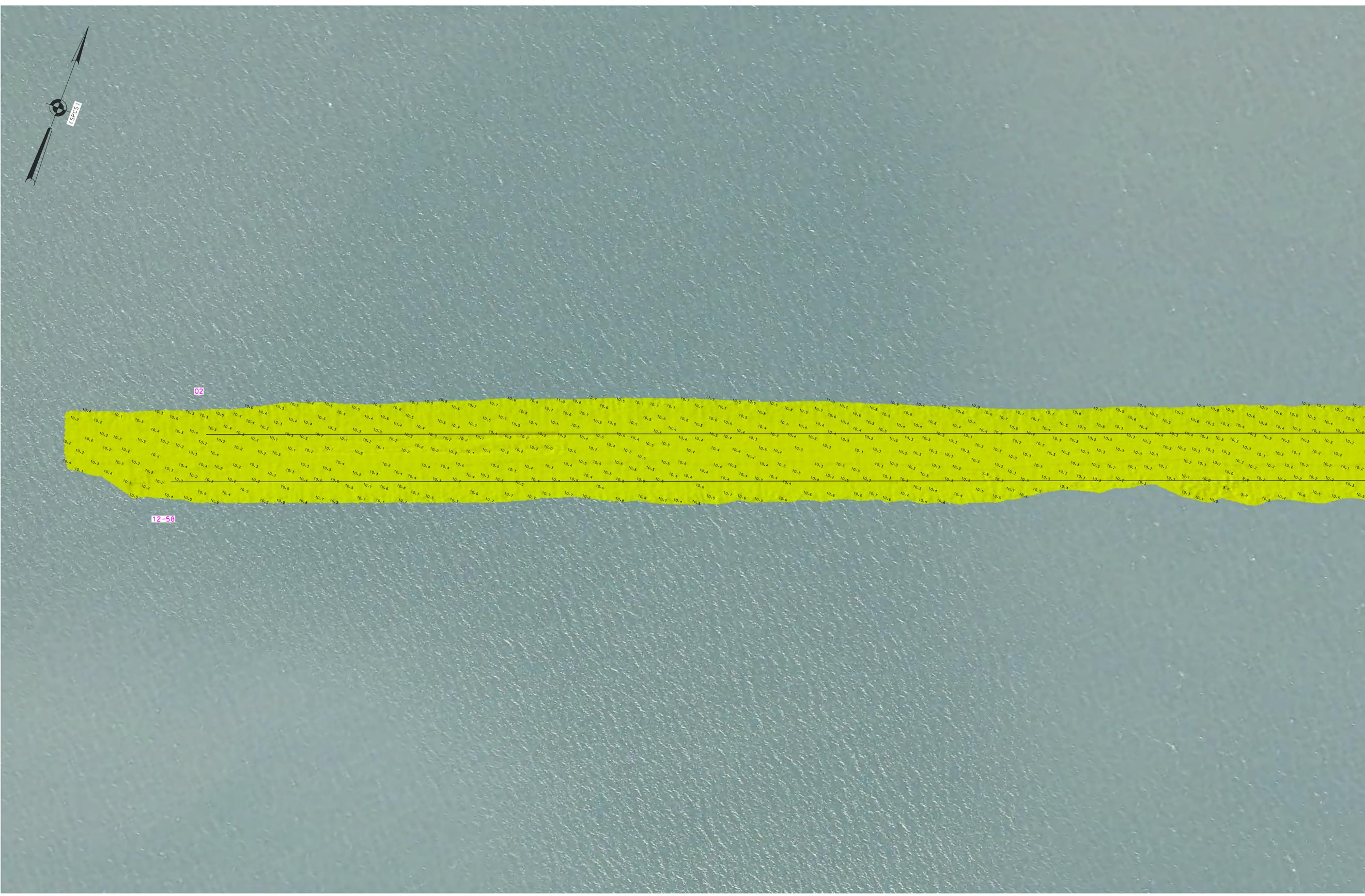
DATES OF SURVEY: 24.25-31 MAY 2023 1.20-26.27 JUNE 2023 5.10.11-12.13 JULY 2023	SCALE: ONE INCH = 6000 FEET FIELD BOOKS: 1051	REQ. NO./FILE NO.: 15307/AL/NA
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APPROVED: J. MCKELVEY FIELD SURVEILLOR	APPROVED: M. FORTE FIELD ENGINEERING TECHNICIAN	APPROVED: P. BRADJUR CHIEF OF SURVEY SUPPORT SECTION	APPROVED: J. MEZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 27 JULY 2023			

DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SURVEYS AND MAPPING BRANCH  
CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY

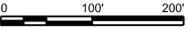
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02

12-58

MATCH TO SHEET 3



\* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA
BENCHMARK: USCG NY 2 (PID:BBDC31)
ELEVATION: 5.39' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.86' (NAVD 1988)



	PR	OF	ED	FA
	MP			CB
				CM

DATES OF SURVEY: 24.25-31 MAY 2023 1.20-26-27 JUNE 2023 5.10.11-12.13 JULY 2023	REG. NO./FILE NO.: 5307/AL/NA
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SCALE: ONE INCH = 100 FEET FIELD BOOKS: 1051
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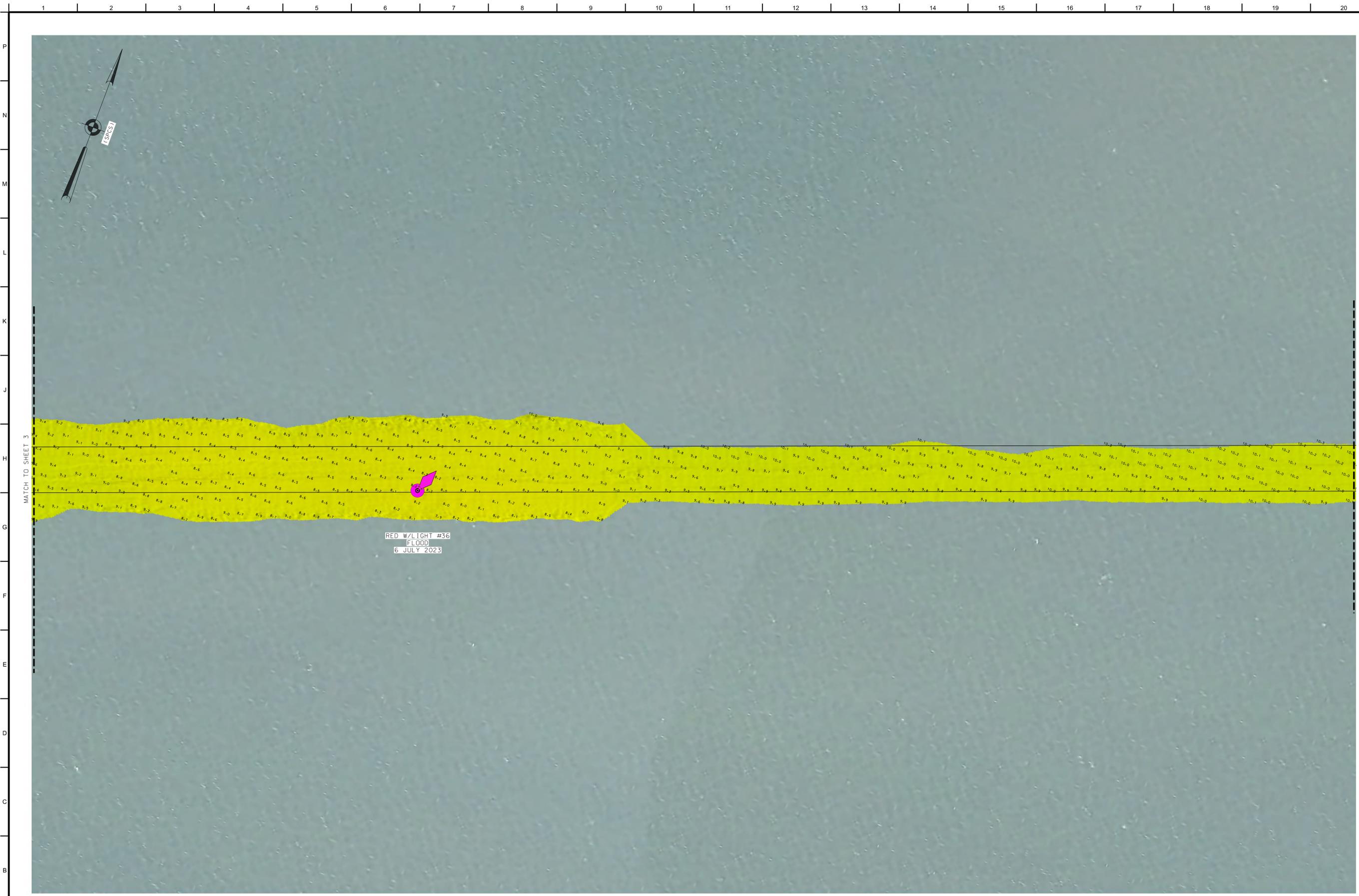
APPROVED: J. MCKELVEY FIELD CARTOGRAPHER	APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED: P. BLADIER CHIEF OF SURVEY SUPPORT SECTION	APPROVED: J. MEZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE: 27 JULY 2023	

DEPARTMENT OF THE ARMY  
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 NEW YORK DISTRICT  
 NEW YORK, NEW YORK 10278  
 OPERATIONS DIVISION  
 SURVEYS AND MAPPING BRANCH  
 CENAN-OP-SS

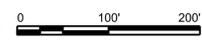
LONG ISLAND INTERCOASTAL WATERWAY  
 NEW YORK  
 VICINITY OF PATCHOQUE, N. Y.  
 CONDITION SURVEY

VH-102  
 2 OF 66





RED W/LIGHT #36  
FLOOD  
6 JULY 2023



\* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	
BENCHMARK: USCG NY 2 (PID:BBDC31)	
ELEVATION: 5.39' (NAVD 1988)	

NSRS BENCHMARK	
BENCHMARK: MORICHES (PID:AA9073)	
ELEVATION: 4.86' (NAVD 1988)	



US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

PR	OF-ED+FA
MP	CB-CM

DATES OF SURVEY:  
24.25-31 MAY 2023  
1.20.26-27 JUNE 2023  
5.10.11-12.13 JULY 2023

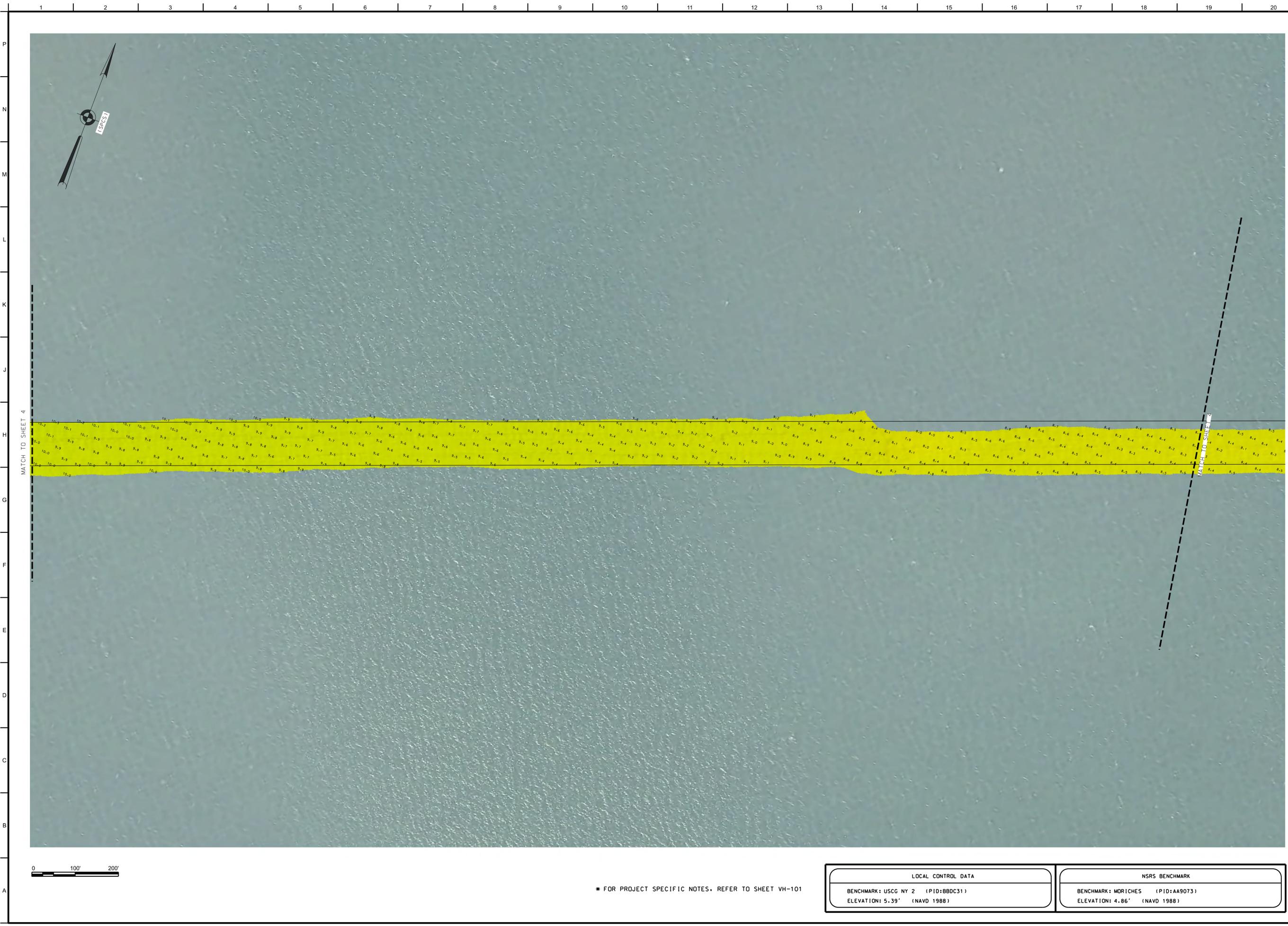
SCALE:  
ONE INCH = 100 FEET  
FIELD BOOKS:  
1051

APPROVED: J. MCKELVEY FIELD SUPERVISOR  
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN  
APPROVED: P. BLADUS CHIEF OF SURVEY SUPPORT SECTION  
APPROVED: J. MEAZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH  
DATE: 27 JULY 2023

DEPARTMENT OF THE ARMY  
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NEW YORK DISTRICT  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SURVEYS AND MAPPING BRANCH  
CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOQUE, N. Y.  
CONDITION SURVEY

VH-104  
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US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

PR	*CF+ED+FA
MP	CB+CM

DATES OF SURVEY:  
24.25-31 MAY 2023  
1.20.26-27 JUNE 2023  
5.10.11-12.13 JULY 2023

SCALE:  
ONE INCH = 100 FEET  
FIELD BOOKS:  
1051

APPROVED: J. MCKELVEY FIELD SURVEYOR  
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN  
APPROVED: P. BLADUS CHIEF OF SURVEY SUPPORT SECTION  
APPROVED: J. MEAZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH  
DATE: 27 JULY 2023

DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SURVEYS AND MAPPING BRANCH  
CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY

VH-105  
5 OF 66

\* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

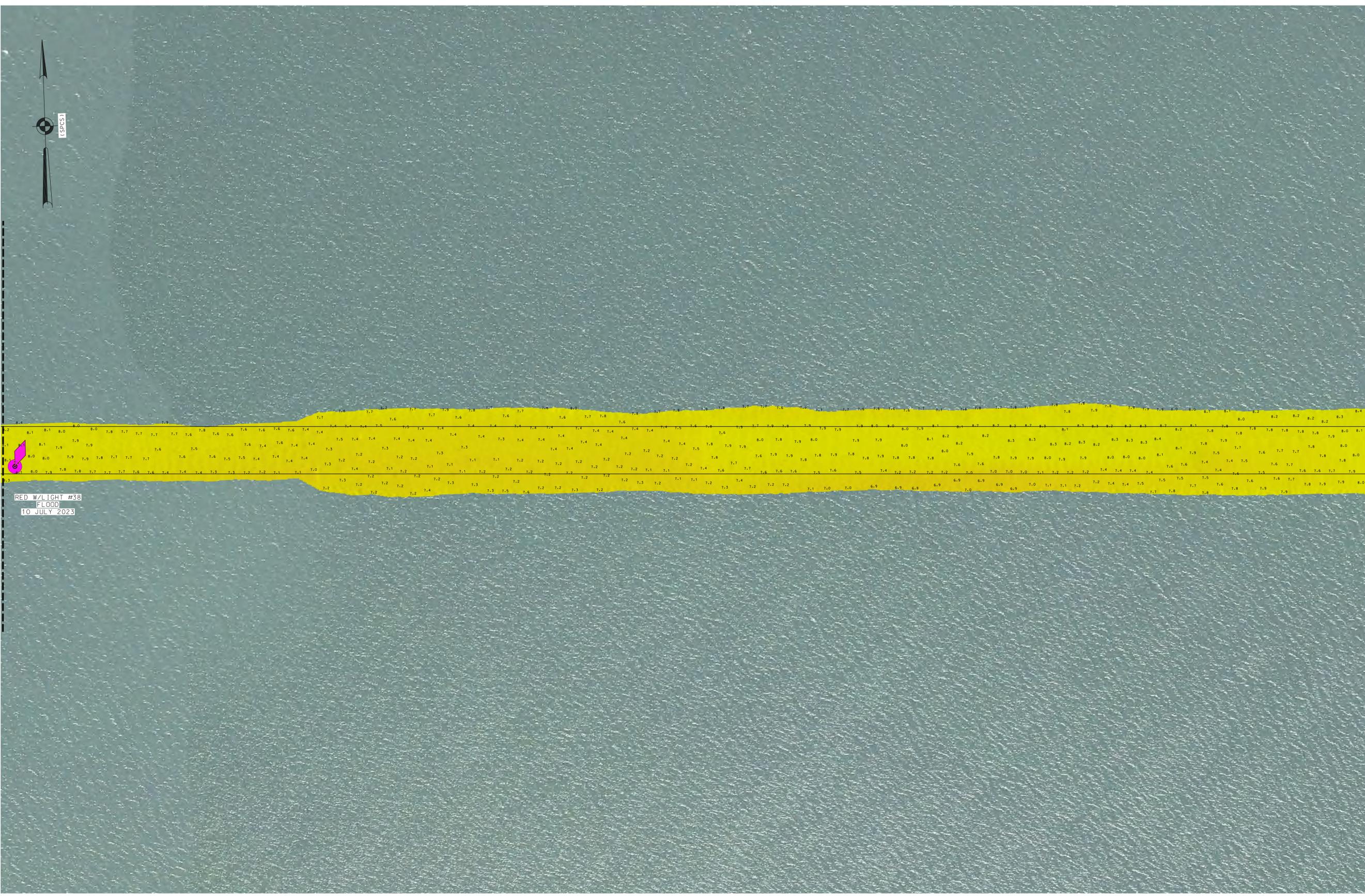
LOCAL CONTROL DATA
BENCHMARK: USCG NY 2 (PID:BBDC31)
ELEVATION: 5.39' (NAVD 1988)

NRS BENCHMARK
BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.86' (NAVD 1988)

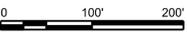




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RED W/LIGHT #38  
FLOOD  
10 JULY 2023



\* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

LOCAL CONTROL DATA	
BENCHMARK: USCG NY 2 (PID:BBDC31)	
ELEVATION: 5.39' (NAVD 1988)	

NSRS BENCHMARK	
BENCHMARK: MORICHES (PID:AA9073)	
ELEVATION: 4.86' (NAVD 1988)	



US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

PR	OF EO/FA
MP	CB/CM

DATES OF SURVEY:	REG. NO./FILE NO.: 5307/AL/NA
24.25-31 MAY 2023	
1.20.26-27 JUNE 2023	
5.10.11-12.13 JULY 2023	

SCALE:	ONE INCH = 100 FEET
F FIELD BOOKS:	1051

APPROVED:	J. MCKELVEY FIELD SUPERVISOR
APPROVED:	M. FORTE CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BLADIER CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MEAZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	27 JULY 2023

DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT  
NEW YORK, NEW YORK 10278  
OPERATIONS DIVISION  
SURVEYS AND MAPPING BRANCH  
CEMAN-OP-SS

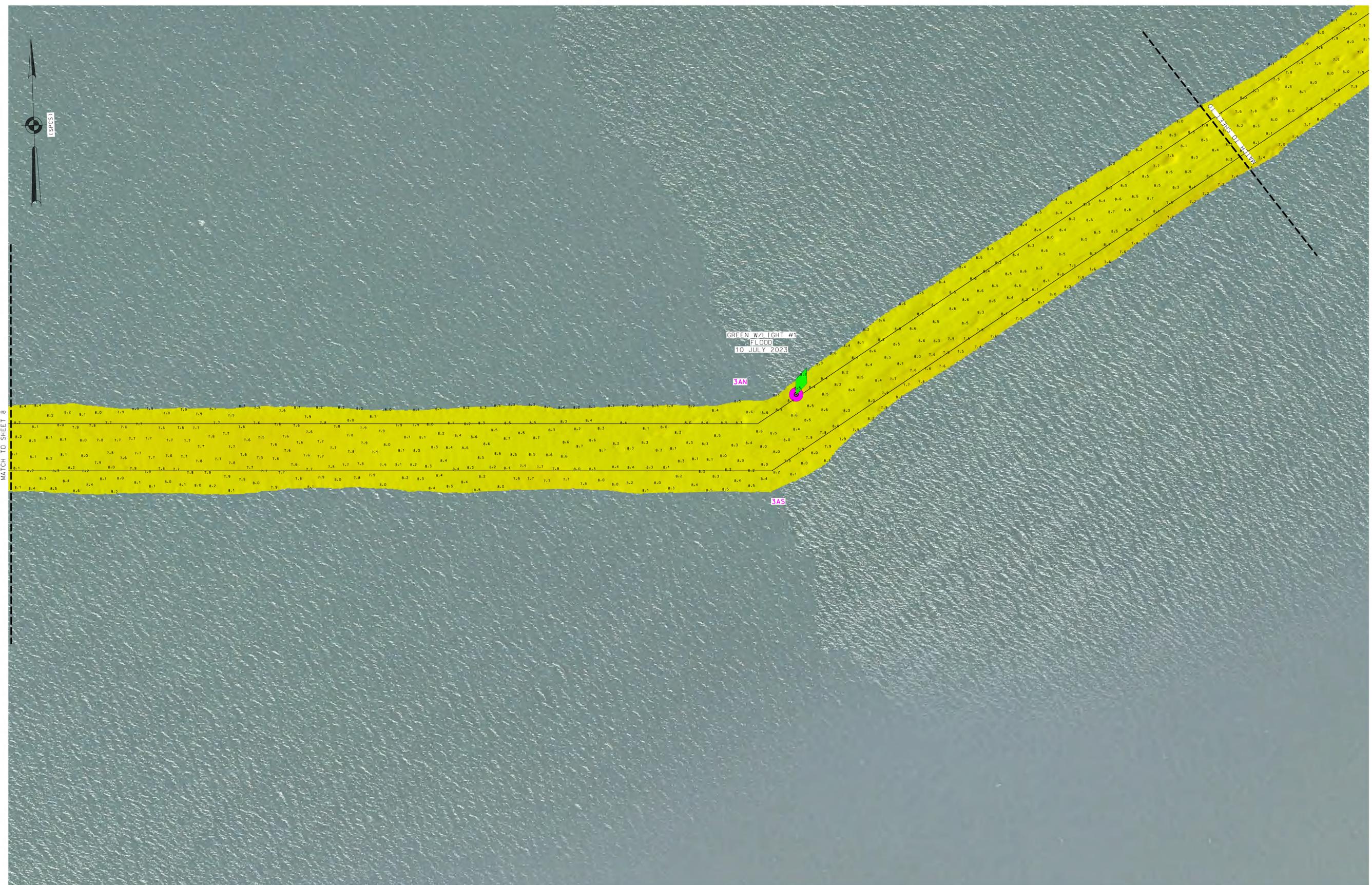
LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY

VH-108  
8 OF 66

MATCH TO SHEET 7

MATCH TO SHEET 9

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US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

	PR	OF	ED	FA
	MP			CB
				CM

DATES OF SURVEY:  
24,25-31 MAY 2023  
1,20,26-27 JUNE 2023  
5,10,11,12,13 JULY 2023

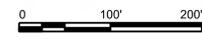
SCALE:  
ONE INCH = 100 FEET  
FIELD BOOKS:  
1051

APPROVED: J. MCKELVEY FIELD SUPERVISOR  
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN  
APPROVED: P. BLADIER CHIEF OF SURVEY SUPPORT SECTION  
APPROVED: J. MEAZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH  
DATE: 27 JULY 2023

DEPARTMENT OF THE ARMY  
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SURVEYS AND MAPPING BRANCH  
CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY

VH-109  
9 OF 66

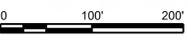


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LOCAL CONTROL DATA	
BENCHMARK: USCG NY 2 (PID:BB0C31)	ELEVATION: 5.39' (NAVD 1988)

NSRS BENCHMARK	
BENCHMARK: MORICHES (PID:AA9073)	ELEVATION: 4.86' (NAVD 1988)

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LOCAL CONTROL DATA	
BENCHMARK: USCG NY 2 (PID:BB0C31)	
ELEVATION: 5.39' (NAVD 1988)	

NSRS BENCHMARK	
BENCHMARK: MORICHES (PID:AA9073)	
ELEVATION: 4.86' (NAVD 1988)	



PR	OF	ED	FA
MP			CB
			CM

DATES OF SURVEY:	REG. NO./FILE NO.:
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1.20-26-27 JUNE 2023	
5.10.11-12.13 JULY 2023	

SCALE:	FIELD BOOKS:
ONE INCH = 100 FEET	1051

APPROVED:	J. MCKELVEY	FIELD SURVEYOR
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BRADJUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MEZ	DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	27 JULY 2023	

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OPERATIONS DIVISION  
SURVEYS AND MAPPING BRANCH  
CENAN-OP-SS

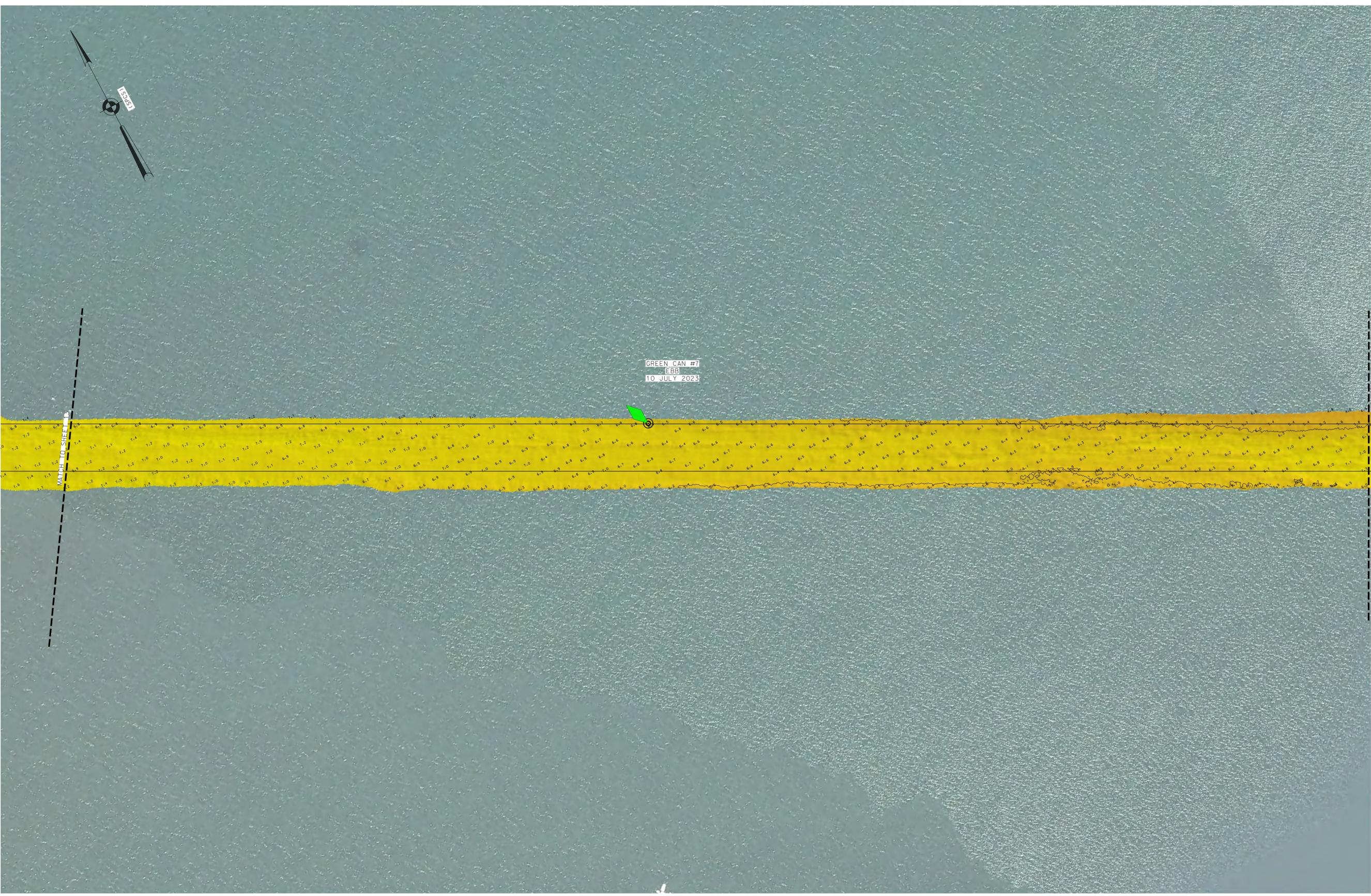
LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY







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U.S. ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

PR	OF EO/FA
MP	CB/CM

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1.20-26-27 JUNE 2023  
5.10.11-12.13 JULY 2023

REQ. NO./FILE NO.: 5307/AL/NA

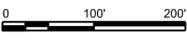
SCALE:  
ONE INCH = 100 FEET  
FIELD BOOKS:  
1051

APPROVED: J. MCKELVEY FIELD SURVEYOR  
APPROVED: M. FORTE CIVIL ENGINEERING TECHNICIAN  
APPROVED: P. BLADIER CHIEF OF SURVEY SUPPORT SECTION  
APPROVED: J. MEAZ DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH  
DATE: 27 JULY 2023

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SURVEYS AND MAPPING BRANCH  
CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY

VH-114  
14 OF 66



\* FOR PROJECT SPECIFIC NOTES, REFER TO SHEET VH-101

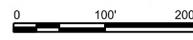
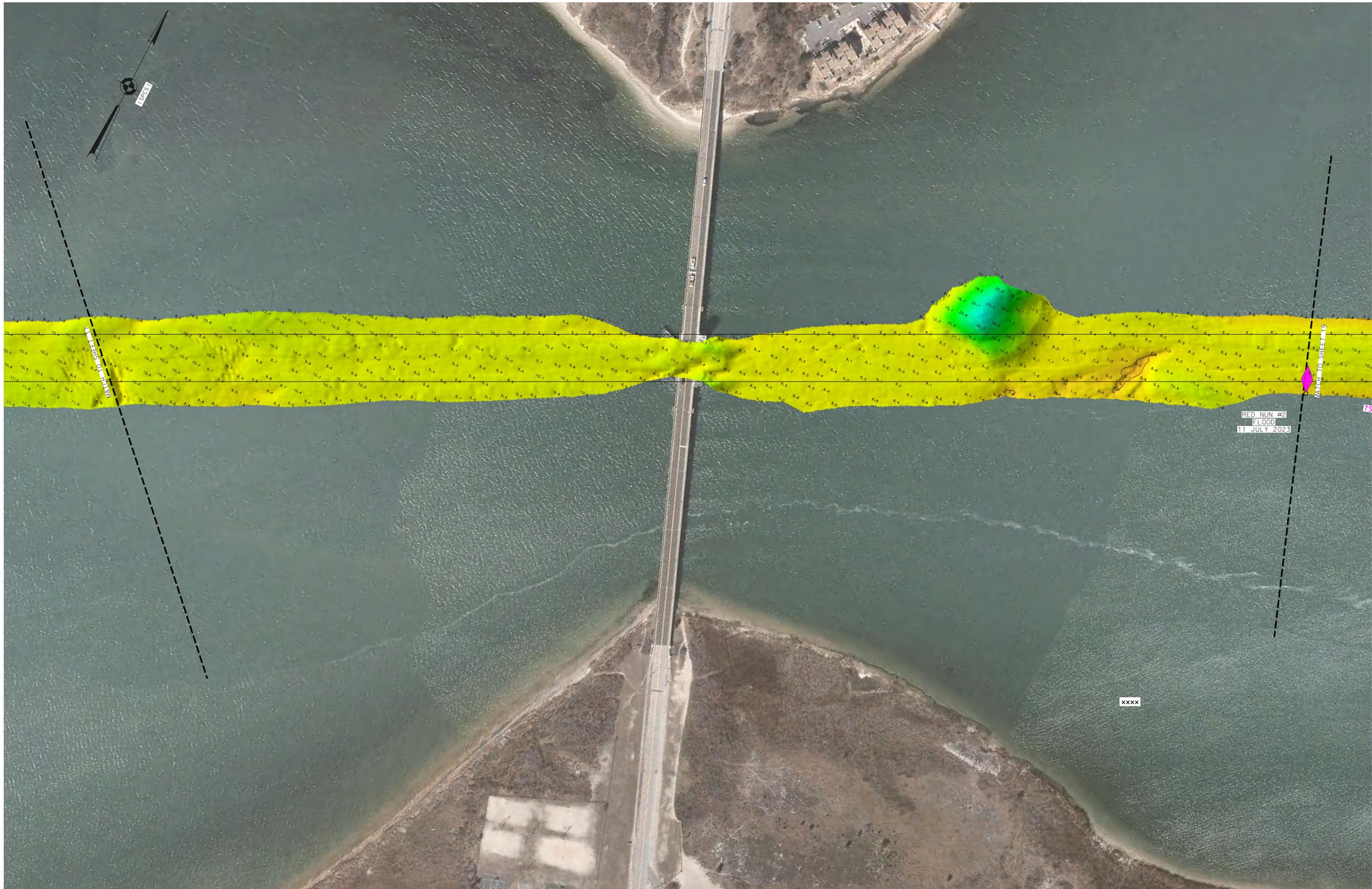
LOCAL CONTROL DATA
BENCHMARK: USCG NY 2 (PID:8BDC31)
ELEVATION: 5.39' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.86' (NAVD 1988)









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LOCAL CONTROL DATA	
BENCHMARK: USCG NY 2 (PID:BBDC31)	
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NSRS BENCHMARK	
BENCHMARK: MORICHES (PID:AA9073)	
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US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

PR	OF	ED	FA
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SCALE: ONE INCH = 100 FEET	FIELD BOOKS: 1051
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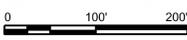
APPROVED:	J. MCKELVEY	FIELD ENGINEER
APPROVED:	M. FORTE	CIVIL ENGINEERING TECHNICIAN
APPROVED:	P. BLADIER	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MEAZ	DEPUTY CHIEF OF SURVEY AND MAPPING BRANCH
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CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY



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LOCAL CONTROL DATA
BENCHMARK: USCG NY 2 (PID:BBDC31)
ELEVATION: 5.39' (NAVD 1988)

NSRS BENCHMARK
BENCHMARK: MORICHES (PID:AA9073)
ELEVATION: 4.86' (NAVD 1988)



US ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT

PR	LF	ED	FA
MP			CB
			CM

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SCALE: ONE INCH = 100 FEET	FIELD BOOKS: 1051
-------------------------------	----------------------

APPROVED:	J. MCKELVEY	FIELD SURVEYOR
APPROVED:	M. FORTE	SENIOR ENGINEERING TECHNICIAN
APPROVED:	P. BLADJUR	CHIEF OF SURVEY SUPPORT SECTION
APPROVED:	J. MEAZ	DEPUTY CHIEF OF SURVEYS AND MAPPING BRANCH
DATE:	27 JULY 2023	

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CEMAN-OP-SS

LONG ISLAND INTERCOASTAL WATERWAY  
NEW YORK  
VICINITY OF PATCHOGUE, N. Y.  
CONDITION SURVEY

VH-120  
20 OF 66