

ARMY CORPS
ENGINEERS
NEW YORK DISTRICT

[illegible]

OCEAN SURVEYS, INC.
129 WILL ROCK ROAD EAST
OLD SAYBROOK, CONNECTICUT
(603) 568-4631



REQ. NO.:/FILE NO.: 4972

FIELD BOOKS:

APPROVED: PRADEEP BHADUR
LEAD CANTOOPAKHAR

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

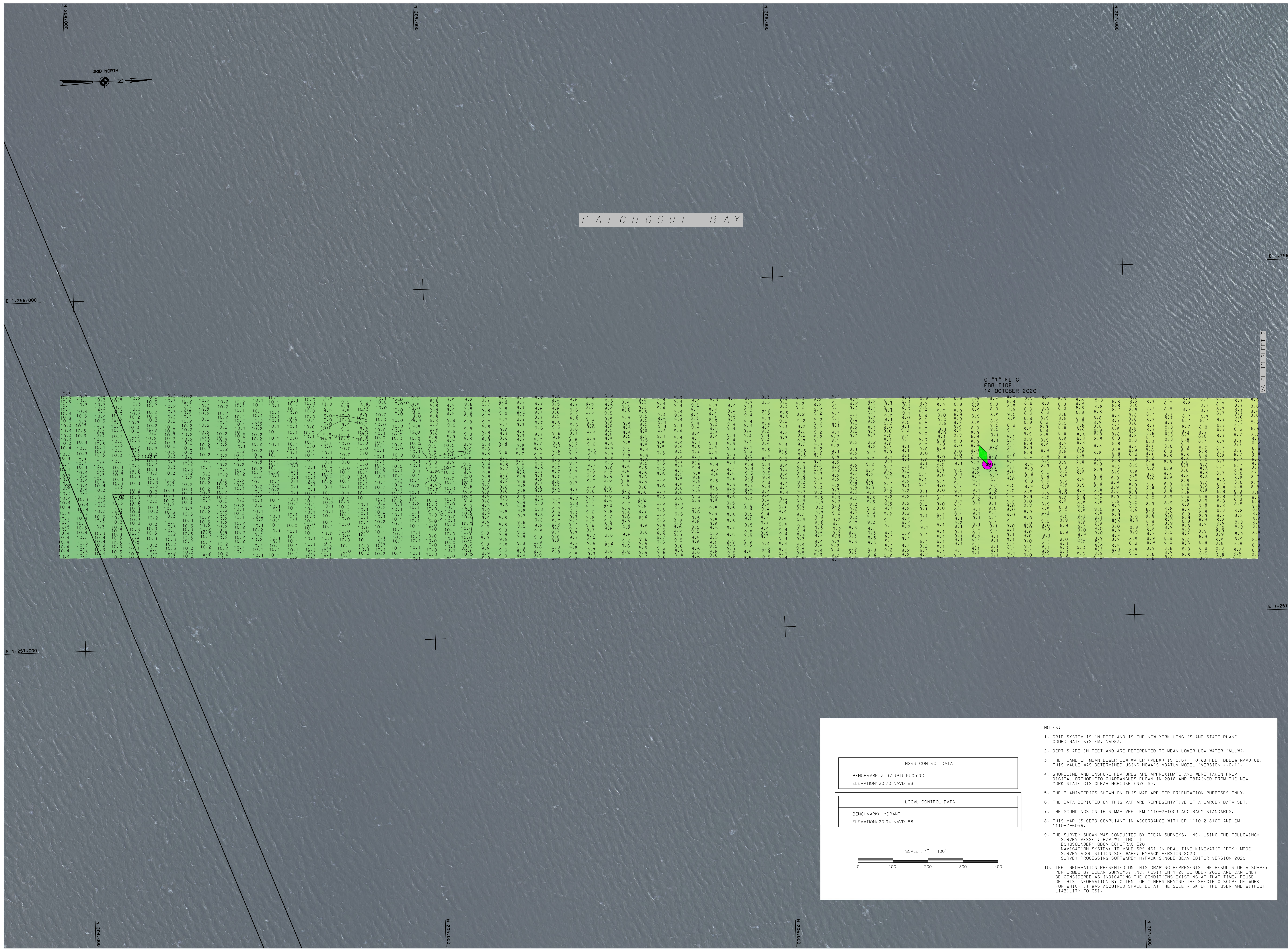
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

PATCHOGUE RIVER
NEW YORK
CONDITION SURVEY

-101

T 1 OF 4

NO.: /FILE NO.: 4972



NOTES:

1. GRID SYSTEM IS IN FEET AND IS THE NEW YORK LONG ISLAND STATE PLANE COORDINATE SYSTEM, NAD83.
2. DEPTHS ARE IN FEET AND ARE REFERENCED TO MEAN LOWER LOW WATER (MLLW).
3. THE PLANE OF MEAN LOWER LOW WATER (MLLW) IS 0.67 - 0.68 FEET BELOW NAVD 88. THIS VALUE WAS DETERMINED USING NADA'S VDATUM MODEL (VERSION 4.0.1).
4. SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL ORTHOPHO TO QUADRANGLES FLOWN IN 2016 AND OBTAINED FROM THE NEW YORK STATE'S CLEARINGHOUSE (NYCHS).
5. THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
6. THE DATA DEPICTED ON THIS MAP ARE REPRESENTATIVE OF A LARGER DATA SET.
7. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
8. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
9. THE SURVEY SHOWN WAS CONDUCTED BY OCEAN SURVEYS, INC. USING THE FOLLOWING:
SURVEY VESSEL: R/V WILLYN 11
ECHOSOUNDER: ODOM ECHOSOUNDER
GPS: GARMIN 1000 GPS
NAVIGATION SYSTEM: TRIMBLE SPX-461 IN REAL TIME KINEMATIC (RTK) MODE
POSITIONING SOFTWARE: TRIMBLE REALTIME KINEMATIC (RTK) MODE
SURVEY PROCESSING SOFTWARE: HYPERK SINGLE BEAM EDITOR VERSION 2020
10. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 1-28 OCTOBER 2020 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. REUSE OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT



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ENGINEERS
W YORK DISTRICT

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129 WILL ROCK ROAD EAST
OLD SAYBROOK, CONNECTICUT
(860) 388-4631



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1-28 OCTOBER 2020

1 INCH = 100 FEET

9:00 AM 777 144000 165711

FIELD CARTOGRAPHY

APPROVED: _____
PROJECT MANAGER

APPROVED: PRADEEP BHADIA
LEAD CARTOONIST

[illegible]NEW YORK DISTRICT
CORPS OF ENGINEERS

NEW YORK, NEW YORK 10278

OPERATIONS DIVISION

PATCHOGUE RIVER

NEW YORK

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NO.: /FILE NO.: 4972



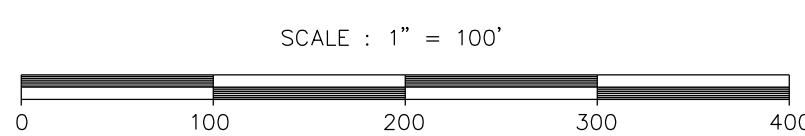
PATCHOGUE BAY

G C "3"
FLOOD TIDE
8 OCTOBER 2020

R N "2"
FLOOD TIDE
8 OCTOBER 2020

NSRS CONTROL DATA	
BENCHMARK: Z 37 (PID: KU0520)	
ELEVATION: 20.70' NAVD 88	

LOCAL CONTROL DATA
BENCHMARK: HYDRANT ELEVATION: 20.94' NAVD 88



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4. SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL AERIAL PHOTOGRAPHIC QUADRANGLES IN 2015 AND OBTAINED FROM THE NEW YORK STATE GIS CLEARINGHOUSE (NYGIS).
5. THE PLANNETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
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7. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
8. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH EM 1110-2-8160 AND EM 1110-2-6056.
9. THE SURVEY SHOWN WAS CONDUCTED BY OCEAN SURVEYS, INC. USING THE FOLLOWING: SURVEY VESSEL: R/V WILLING II
ECHOSOUNDER: ODOM ECHOTRAC E20
NAVIGATION SYSTEM: TRIMBLE SPX-461
REAL TIME KINEMATIC (RTK) MODE
SURVEY EQUIPMENT: TRIMBLE SOFTWARE: SURVEY PACK VERSION 2020
SURVEY PROCESSING SOFTWARE: HYPSACK SINGLE BEAM EDITION PROJECT 2020
10. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 1-28 OCTOBER 2020 AND CAN ONLY BE USED FOR THE SPECIFIC PURPOSES AND LIMITATIONS OF THE SURVEY. THE USER OF THIS INFORMATION BY CLIENT OR OTHERS BEYOND THE SPECIFIC SCOPE OF WORK FOR WHICH IT WAS ACQUIRED SHALL BE AT THE SOLE RISK OF THE USER AND WITHOUT LIABILITY TO OSI.



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ENGINEERS
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OLD SAYBROOK, CONNECTICUT
(0603) 568-4631



1-28 OCTOBER 2020

1 INCH = 100

APPROVED: REGINALD SMITH
PROJECT MANAGER

DATE: 1 DECEMBER 2020

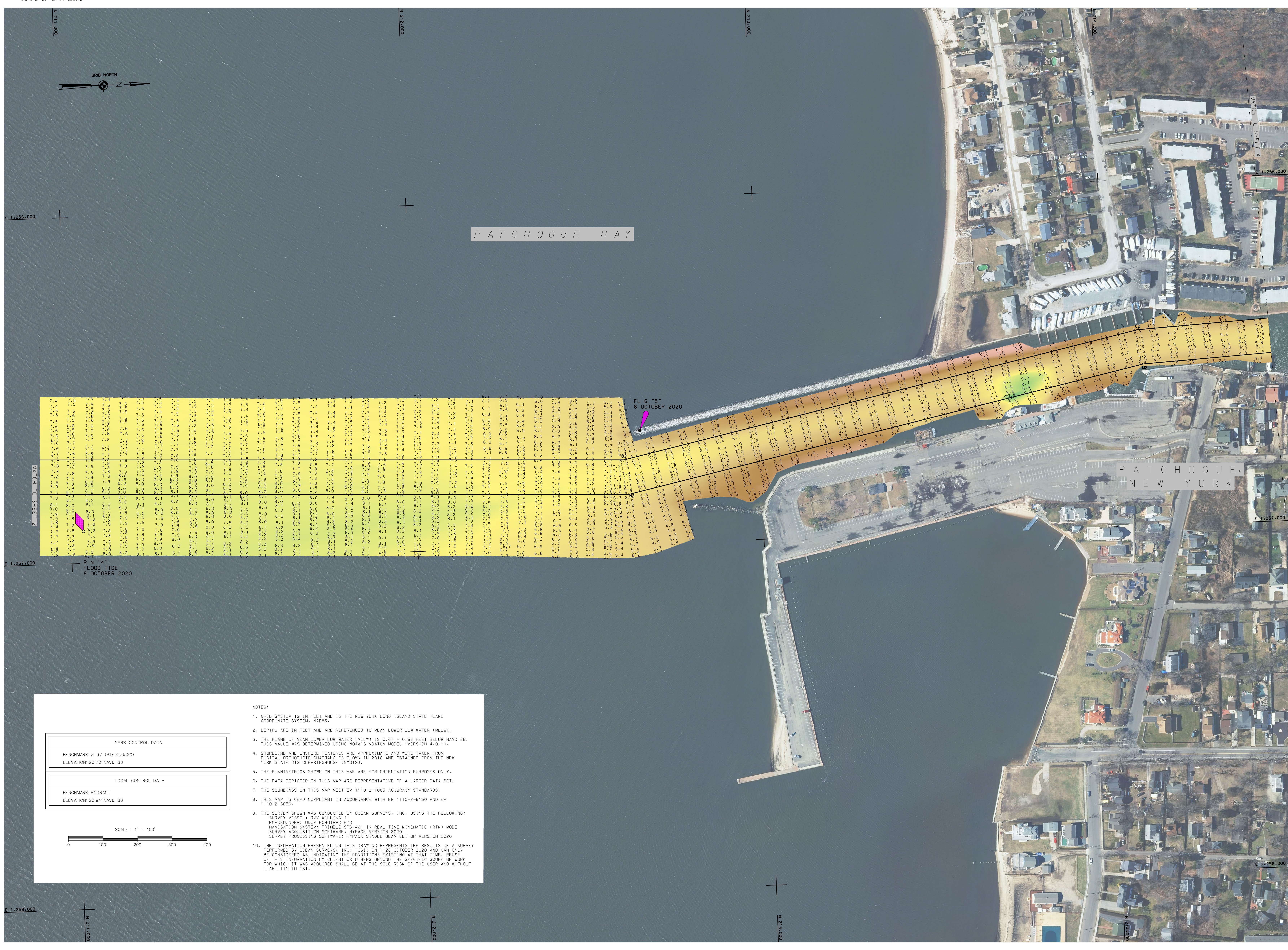
CORPUS OF ENGINEERS
NEW YORK, NEW YORK 10278

PAICHUGUE RIVER
NEW YORK

-103

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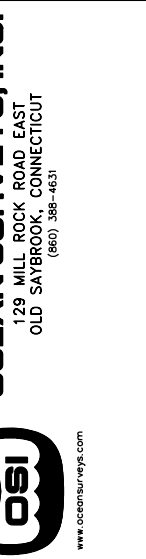
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ECHOSOUNDER: ODOM CONTRAC E20
NAVIGATION SYSTEM: TRIMBLE SPAC-461 IN REAL TIME KINEMATIC (RTK) MODE
POSITIONING SOFTWARE: TRIMBLE REALTIME PACK VERISON 2.00
SURVEY PROCESSING SOFTWARE: HYPPACK 3611 BEAM EDITOR VERSION 2.00
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1-28 OCTOBER 2020

1 INCH = 100 FEET

APPROVED: REGINALD SMITH
PROJECT MANAGER

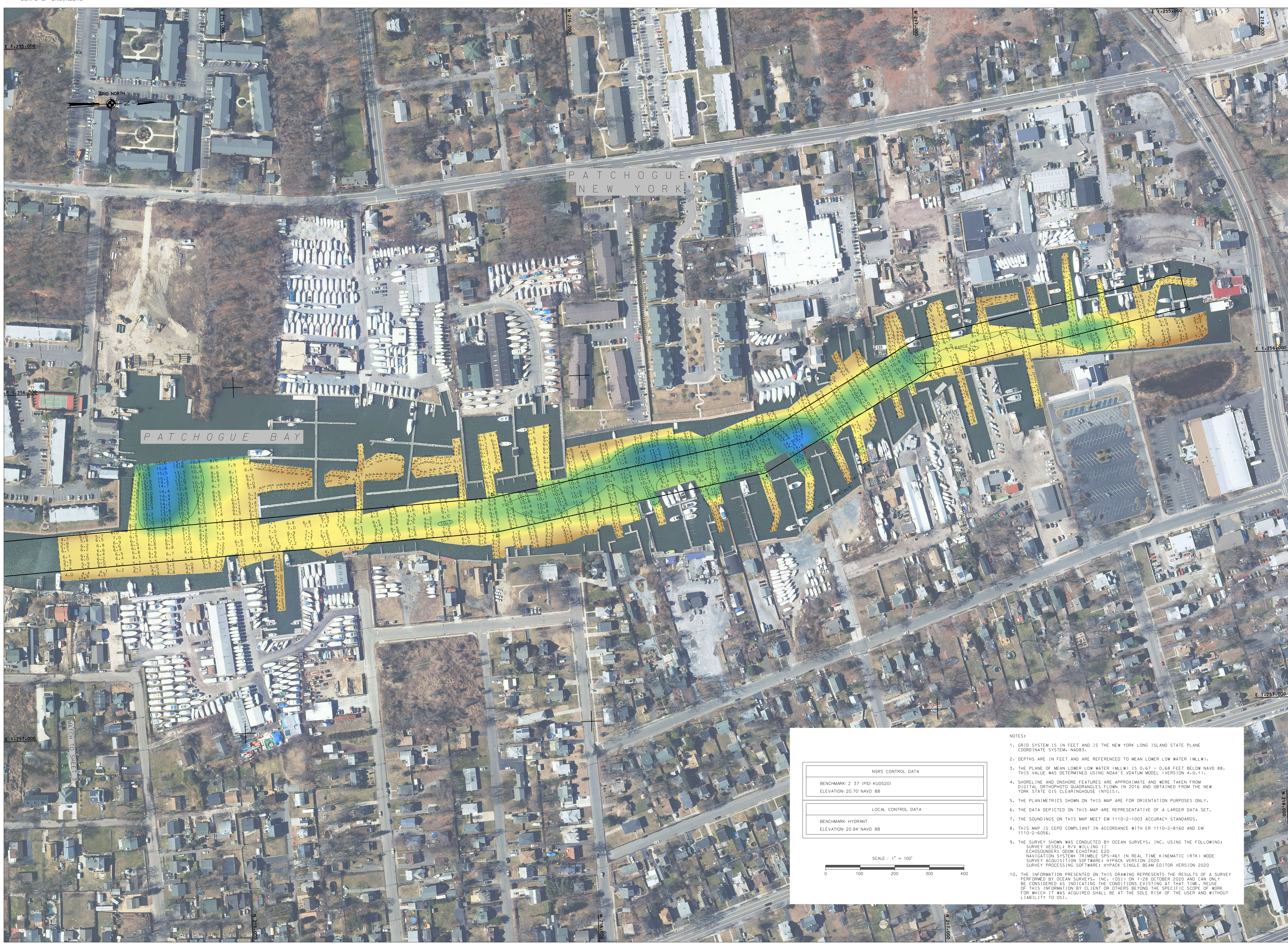
DATE: 1 DECEMBER 2020

CORPS OF ENGINEERS
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PAICHUGUE RIVER
NEW YORK

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SCALE : 1" = 100'

