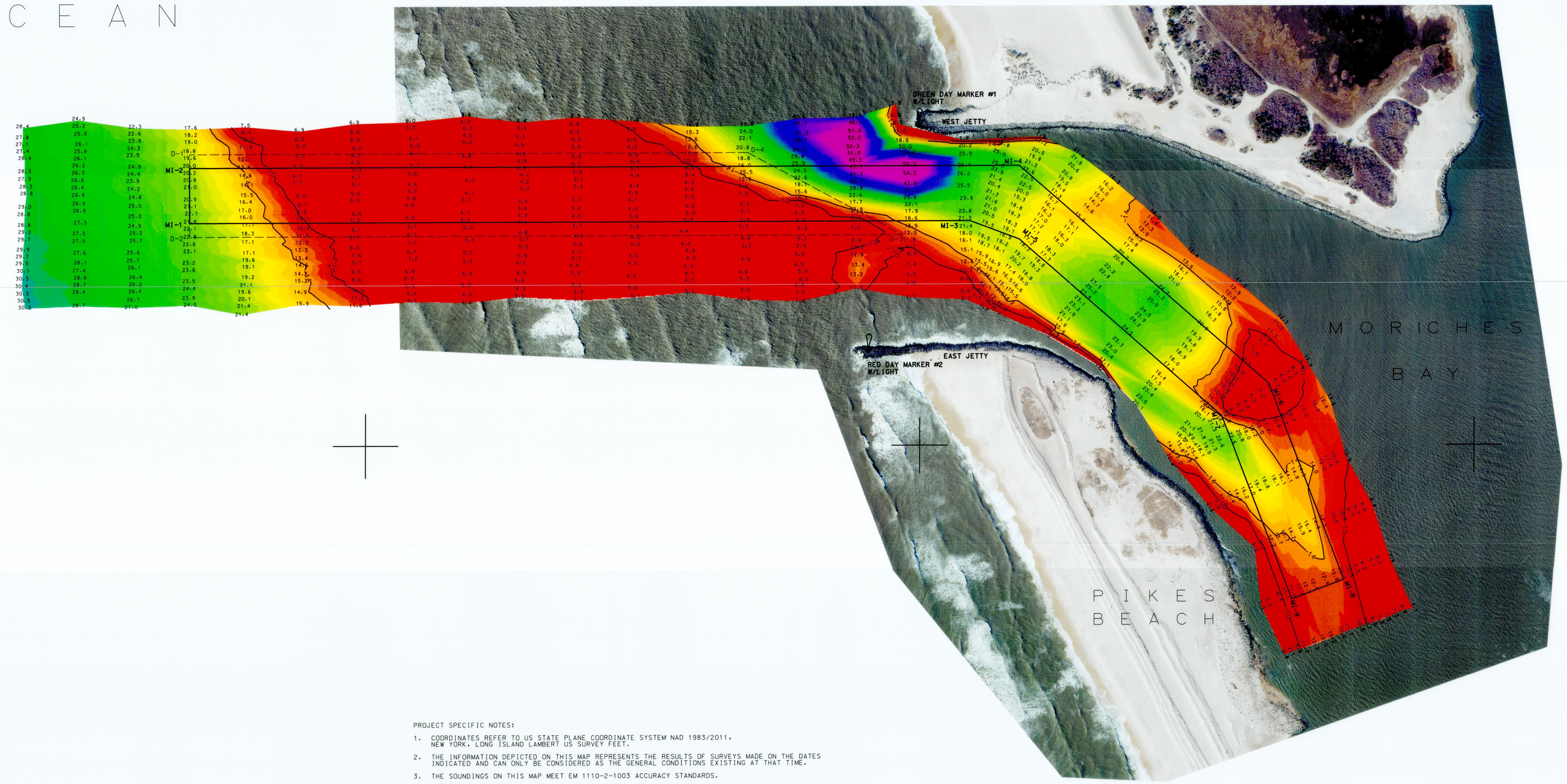
CORPS OF ENGINEERS

U. S. ARMY

N 216,000 | N 218,000 | N 220,000 | N 222,000

NY LI LAMBERT NAD83/2011

E 1,328,000 | E 1,330,000 | E 1,332,000



PROJECT SPECIFIC NOTES:

1. COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983/2011. NEW YORK. LONG ISLAND LAMBERT US SURVEY FEET.
2. 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.
3. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
4. SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) [EPOCH 1983-2001].
5. MEAN LOWER LOW WATER IS 1.9-2.1 FEET BELOW NAVD 88 AS DETERMINED USING HYPACK VDATUM 2017.
6. SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN SORTED TO A 25' RADIUS WITH CHANNEL PRIORITY USING THE FULL DATA SET.
7. CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET. PROJECT DEPTH IS 10 FEET.
8. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
9. THE PLANIMETRICS AND ORTHO PHOTOS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY. THE ORTHO IMAGES WERE RETRIEVED FROM THE NEW YORK GIS CLEARING HOUSE WEBSITE.
10. THIS SURVEY WAS PERFORMED USING LOCAL CONTROL ESTABLISHED BY THE CORPS OF ENGINEERS.
11. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.
12. THE SURVEY WAS CONDUCTED BY MCKIM & CREED USING THE FOLLOWING:
    SURVEY VESSELS: SV SOUNDS DEEP
    ECHOSOUNDER1: SINGLE BEAM ODOM CVM 200KHZ.
    NAVIGATION SYSTEMS: INTEGRATED IZNS INERTIA SYSTEM. IN REAL TIME KINEMATIC (RTK)MODE.
    SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2017A
    SURVEY PROCESSING SOFTWARE: HYPACK SINGLE BEAM EDITOR VERSION 2017A
    CTD CAST WERE TAKEN DURING ACQUISITION FOR ACCURATE SPEED OF SOUND PROFILES USING AN ODOM DIGI BAR SOUND VELOCITY PROBE.
13. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY MCKIM & CREED ON MARCH 27-APRIL 02. 2018 AND CAN ONLY BE CONSIDERED AS INDICATING THE CONDITIONS EXISTING AT THAT TIME. BECAUSE THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE. 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 LIABILITY TO MCKIM & CREED.
14. A SIDE-SCAN SURVEY WAS PERFORMED WITHIN THE LIMITS OF THE FEDERAL CHANNEL USING A EDGETECH 4125 SIDE-SCAN SONAR WITH NO OBSTRUCTIONS BEING OBSERVED.
15. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209. SUB-DIVISION 2. OF THE NEW YORK STATE EDUCATION LAW.
16. THIS MAP WAS PREPARED IN ACCORDANCE WITH THE CURRENT EXISTING CODE OF PRACTICE FOR LAND SURVEYS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS. INC.
17. REPRODUCTION OR COPYING OF THIS DOCUMENT MAY BE A VIOLATION OF COPYRIGHT LAW UNLESS PERMISSION OF THE AUTHOR AND/OR COPYRIGHT HOLDER IS OBTAINED.
18. A COPY OF THIS DOCUMENT WITHOUT A PROPER APPLICATION OF THE SURVEYOR'S EMBOSSED OR RED ELECTRONIC SEAL SHOULD BE ASSUMED TO BE AN UNAUTHORIZED COPY.

NSRS/NGS CONTROL DATA			
BENCHMARK: MORICHES	PID# AA9073	NORTHING	EASTING
ELEVATION: 4.86' NAVD 88		229,236.72	1,331,379.31
STAMPED: MORICHES			

LOCAL CONTROL DATA			
BENCHMARK: MOR1 A	PID# AI9628	NORTHING	EASTING
ELEVATION: 4.41' NAVD 88		228,930.38	1,330,350.35
STAMPED: MOR1 A			

SCALE : 1" = 200'

0 200 400 600 800

4/9/18

STATE OF NEW YORK
RAYMOND B. DANIER
No. 49350
LICENSED LAND SURVEYOR

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

MCKIM&CREED
243 NORTH FRONT STREET
WILMINGTON, NORTH CAROLINA 28401
TELEPHONE: (910) 251-1888
FAX: (910) 251-8282

DATES OF SURVEY: MARCH 27-APRIL 02. 2018

FILE NO.: 64
PROJECT NO.: 4675

SCALE: ONE INCH = 200 FEET

FIELD BOOKS:

APPROVED: RAYMOND B. DANIER — LICENSED LAND SURVEYOR
APPROVED: R. SMITH — PROJECT MANAGER
APPROVED: D. CLARKE — SURVEY MANAGER
APPROVED: F. POSTIGLIONE — CHIEF OF SURVEY
DATE: APRIL 04. 2018

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

HYDROGRAPHIC SURVEY OF MORICHES INLET NEW YORK

VH-101

SHEET 1 OF 1

FILE NO.: 64
PROJECT NO.: 4675