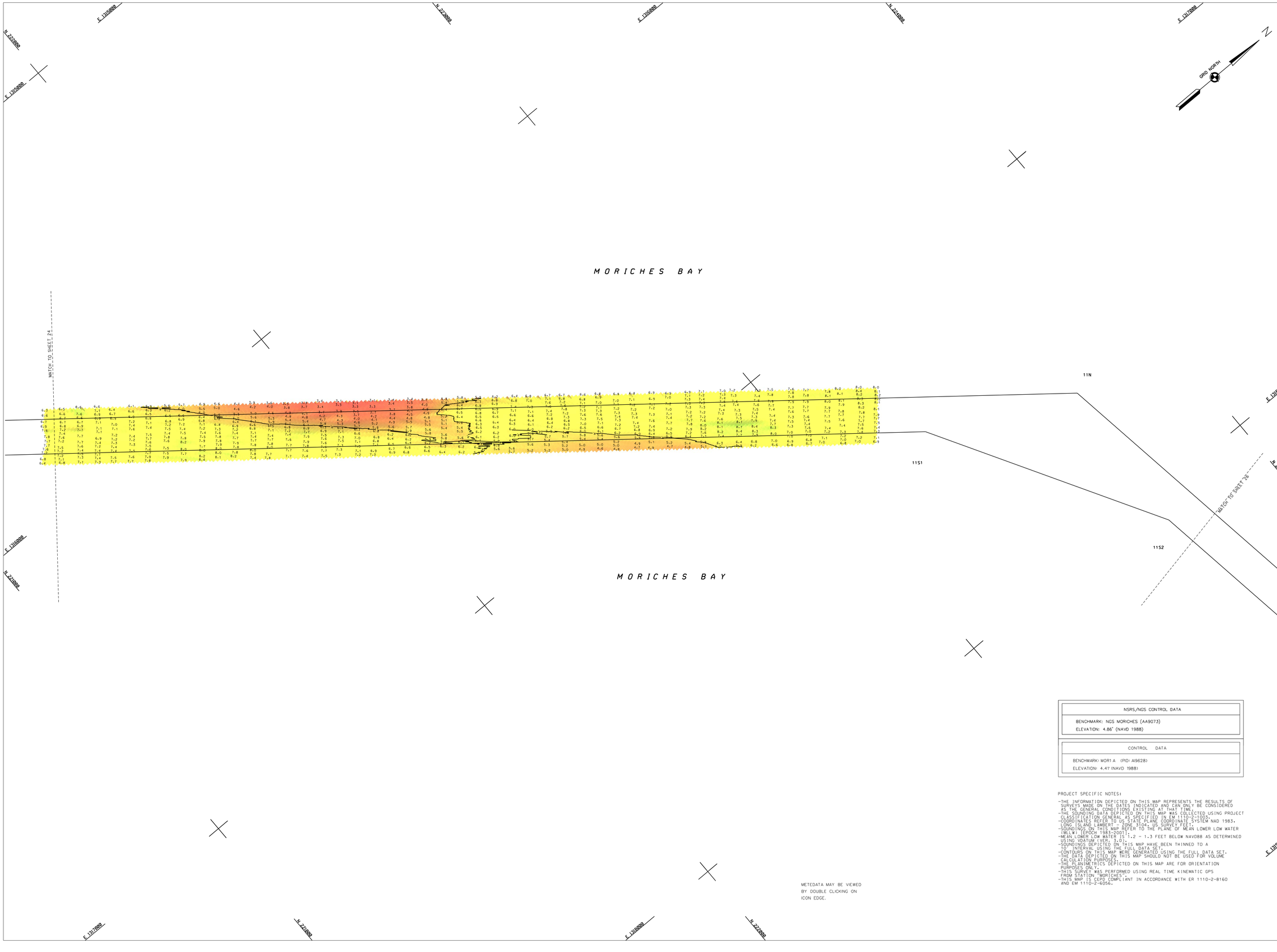


METEDATA MAY BE VIEWED BY DOUBLE CLICKING ON ICON EDGE.

NSRS/NGS CONTROL DATA
BENCHMARK: NGS MORICHES (AA9073)
ELEVATION: 4.86' (NAVD 1988)

CONTROL DATA
BENCHMARK: MOR1 A (PID: AI9628)
ELEVATION: 4.47' (NAVD 1988)

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- 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 1.2 - 1.3 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE FULL DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "MORICHES".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

RD/JE	PR
RD	MP

DATES OF SURVEY: 14-17 JANUARY 2015

FILE NO.: 230
REQUEST NO.: 4245/A

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: J. ABRAHAMSEN
FIELD ENTERPRISE

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LAND ENTERPRISE

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 22 JANUARY 2015

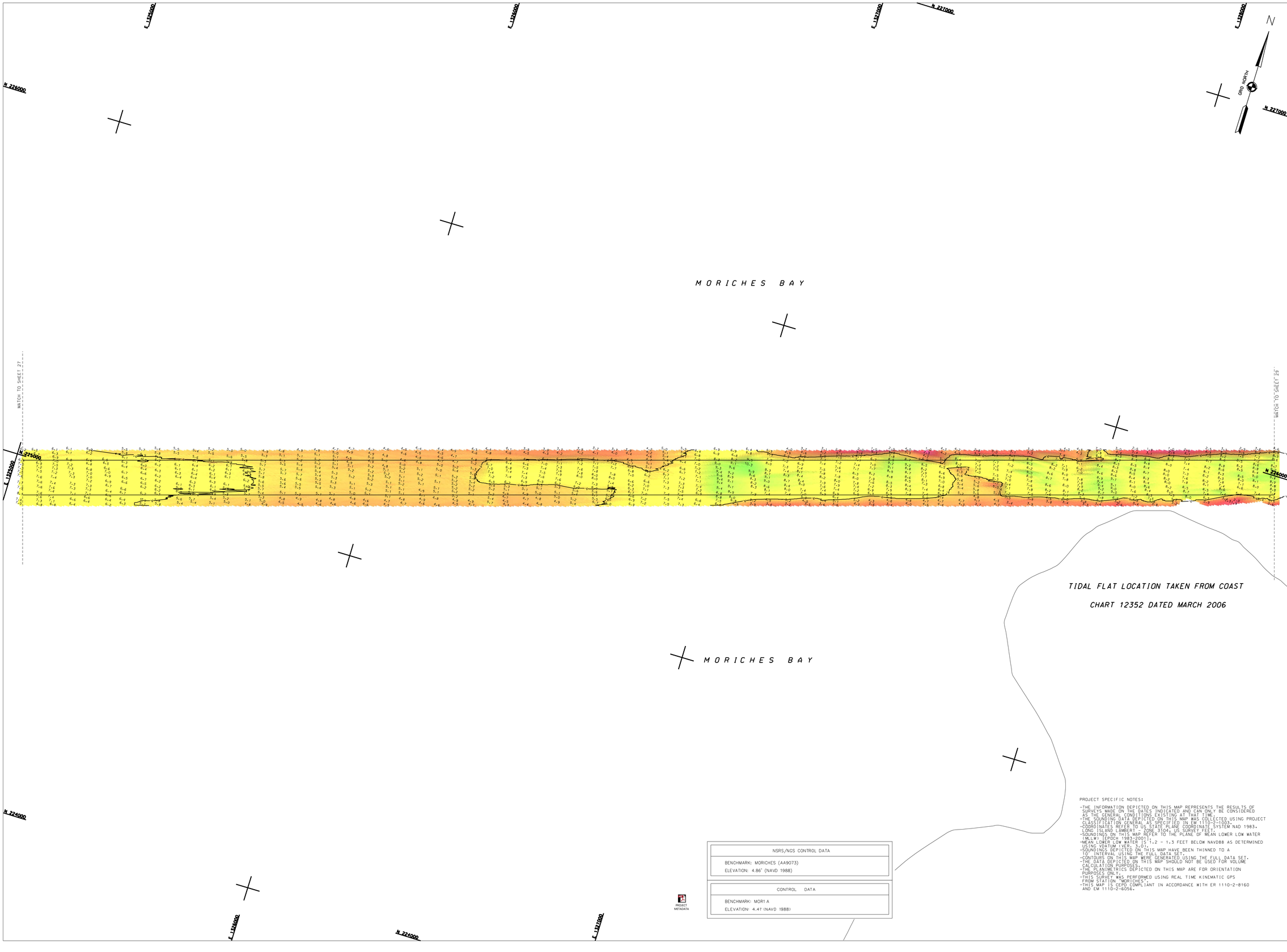
DEPARTMENT OF THE ARMY
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.
VICINITY OF FORGE POINT, N.Y.
SHOAL 1
AFTER DREDGE SURVEY

VH-125

SHEET 25 OF 55



NSRS/NGS CONTROL DATA
BENCHMARK: MORICHES (AA9073)
ELEVATION: 4.86' (NAVD 1988)

CONTROL DATA
BENCHMARK: MOR1 A
ELEVATION: 4.47 (NAVD 1988)

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- 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 1.2 - 1.3 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE FULL DATA SET.
- IMC DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- TAC BATHYMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "MORICHES".
- THIS MAP IS ZERO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

LE/RG	FR	
RD	MP	

DATES OF SURVEY:
14-17 JANUARY 2015

FILE NO.: 230
REQUEST NO.: 4245/A

SCALE:
ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: J. BRUMMAGEN
FIELD CONTROL

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARK
FIELD CONTROL

APPROVED: J. MRAZ
SURVEY CHIEF OF SURVEY

DATE: 22 JANUARY 2015

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

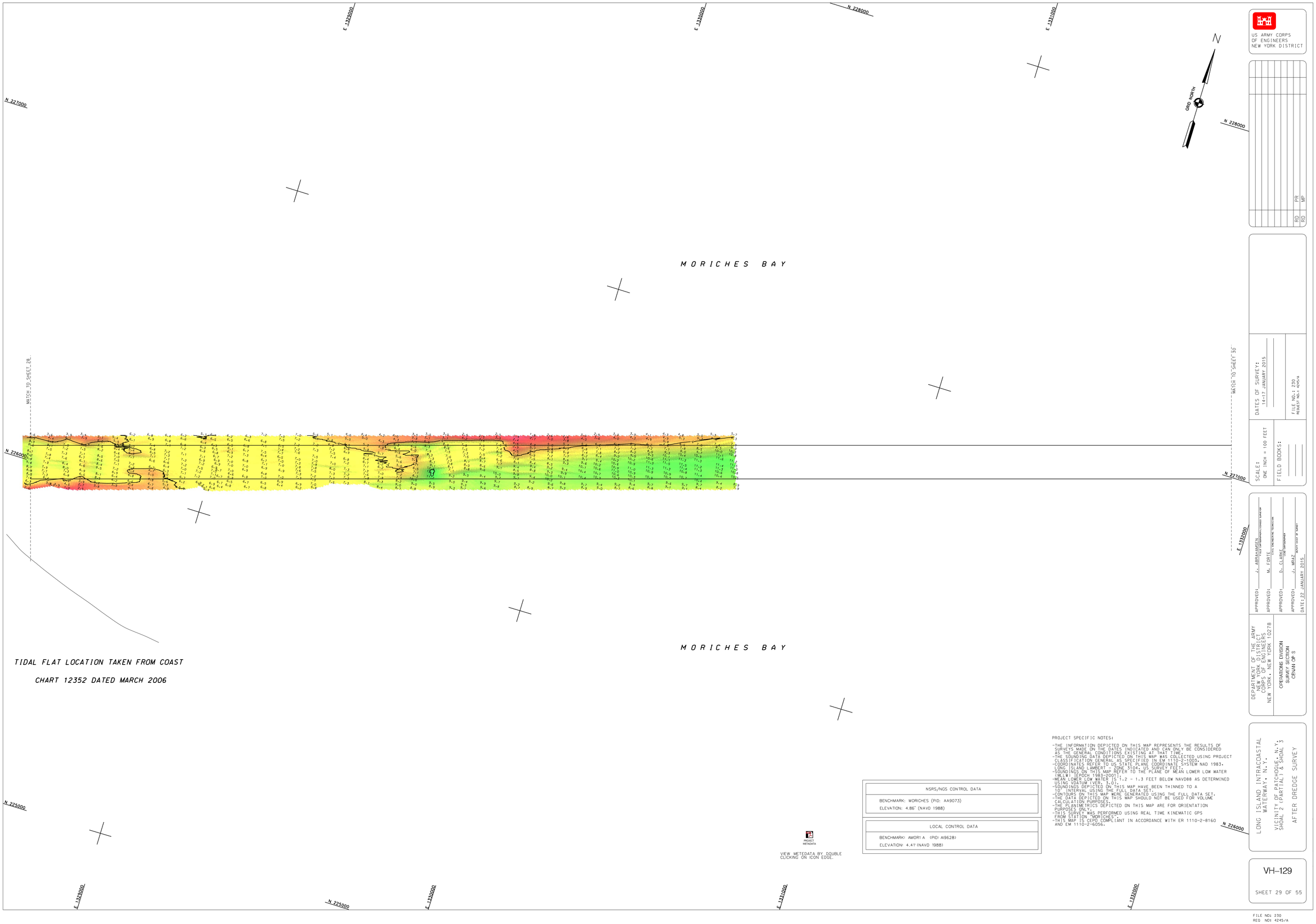
OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.
VICINITY OF PATCHOGUE, N.Y.
SHOAL 2

AFTER DREDGE SURVEY

VH-128

SHEET 28 OF 55



PROJECT METADATA

VIEW METEDATA BY DOUBLE CLICKING ON ICON EDGE.

NSRS/NGS CONTROL DATA
BENCHMARK: MORICHES (PID: AA9073)
ELEVATION: 4.86' (NAVD 1988)

LOCAL CONTROL DATA
BENCHMARK: AMOR1 A (PID: A9628)
ELEVATION: 4.41' (NAVD 1988)

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 SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION GENERAL AS SPECIFIED IN EM 1110-2-1003.
- 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 1.2 - 1.3 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 3.0).
- SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A 10' INTERVAL USING THE FULL DATA SET.
- CONTOURS ON THIS MAP WERE GENERATED USING THE FULL DATA SET.
- THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
- THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "MORICHES".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

RD	PR
RD	MP

DATES OF SURVEY: 14-17 JANUARY 2015

FILE NO.: 230
REQUEST NO.: 4245/A

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

APPROVED: J. ABRAHAMSEN
FIELD CARTOGRAPHER, LICENSED SURVEYOR

APPROVED: M. FORTE
CIVIL ENGINEERING TECHNICIAN

APPROVED: D. CLARKE
LEAD CARTOGRAPHER

APPROVED: J. MRAZ
DEPUTY CHIEF OF SURVEY

DATE: 22 JANUARY 2015

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN OP S

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.

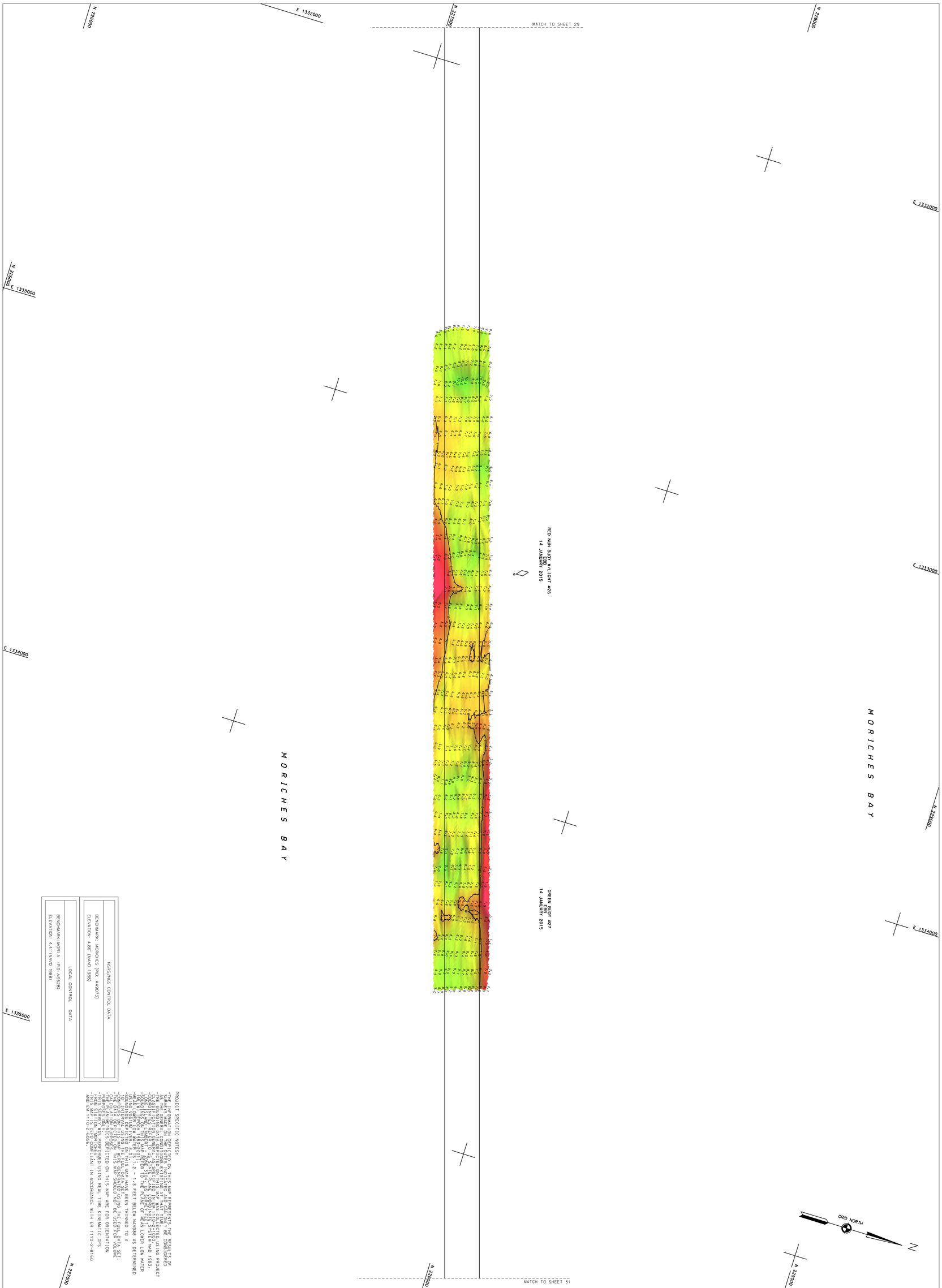
VICINITY OF PATCHOGUE, N.Y.
SHOAL 2 (PARTIAL) & SHOAL 3

AFTER DREDGE SURVEY

VH-129

SHEET 29 OF 55

FILE NO: 230
REQ NO: 4245/A



NSRS/NGS CONTROL DATA

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

LOCAL CONTROL DATA

BENCHMARK: MORI A (PID: A9628)
ELEVATION: 4.41' (NAVD 1988)

PROJECT SPECIFIC NOTES:

-THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEY ADDED ON THE DATE INDICATED AND IS ACTUALLY BE CONSIDERED AS THE GENERAL CONDITIONS EXISTING AT THAT TIME.
-THE SPECIFICATION GENERAL ACCEPTED ON THIS MAP WAS COLLECTED USING PROJECT COORDINATES REFERENCE TO THE STATE PLANE COORDINATE SYSTEM NAD 1983.
-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER MEAN LOWER LOW WATER 3.1 ft. 1.2 - 1.3 FEET BELOW NAVD88 AS DETERMINED USING VDATUM VERT. 3.01.
-SOUNDINGS DEPICTED ON THIS MAP HAVE BEEN THINNED TO A CONTOUR ON THIS MAP WERE GENERATED USING THE FULL DATA SET.
-THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
-THE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
-THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION 4 OF CORPS.
-THIS MAP IS CERTIFIED COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

LONG ISLAND INTRACOASTAL WATERWAY, N.Y.
VICINITY OF PATCHOGUE, N.Y.
SHOAL 4
AFTER DREDGE SURVEY

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

OPERATIONS DIVISION
SURVEY SECTION
CENAN OP S

APPROVED: J. ABRAHAMSEN (FIELD CARTOGRAPHER)
APPROVED: M. FORTE (CIVIL ENGINEERING TECHNICIAN)
APPROVED: D. CLARKE (LEAD CARTOGRAPHER)
APPROVED: J. MRAZ (DEPUTY CHIEF OF SURVEY)
DATE: 22 JANUARY 2015

SCALE: ONE INCH = 100 FEET

FIELD BOOKS:

DATES OF SURVEY: 14-17 JANUARY 2015

FILE NO.: 230
REQUEST NO.: 4245/A

RD	PR	
RD	MP	

US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT

U. S. ARMY

CORPS OF ENGINEERS

VH-130

SHEET 30 OF 55

FILE NO: 230
REQ NO: 4245/A