


DATES OF SURVEY: J.L. AUG. 24, 2020  
 SCALE: ONE INCH = 300 FEET  
 FIELD BOOKS: DBA10, 24, AUG 2020  
 REG. NO./FILE NO.: 4989/A

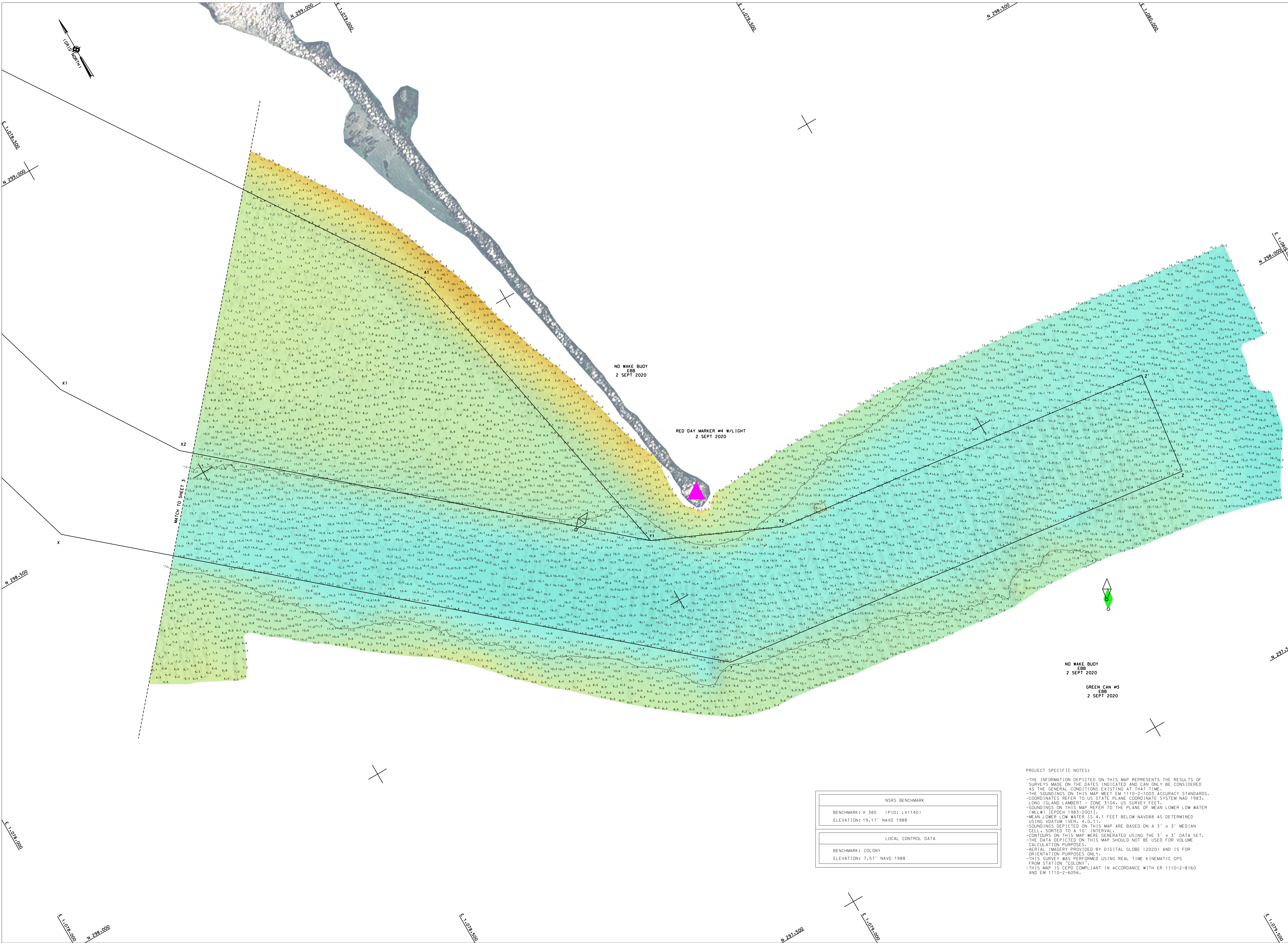
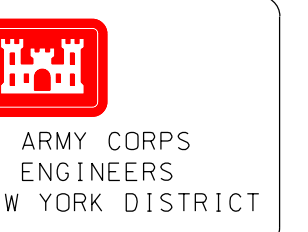
DEPARTMENT OF THE ARMY  
 NEW YORK DISTRICT  
 OPERATIONS DIVISION  
 SURVEY SECTION  
 CENAN-OP-5  
 APPROVED: J. MICHELEY  
 APPROVED: M. EDITE  
 APPROVED: P. BIRDORF  
 APPROVED: J. WRAZ  
 DATE: 22 SEPTEMBER 2020

**PORT CHESTER HARBOR, NEW YORK**  
**CONDITION SURVEY**

VH-101  
 SHEET 1 OF 7

**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.  
 -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 4.1 FEET BELOW NAVD88 AS DETERMINED USING DATUM 1983 (4.0, 1).  
 -SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO 4' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.  
 -THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".  
 -THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

NRS BENCHMARK
BENCHMARK: X 385 (PID: LX1140)
ELEVATION: 19.17' NAVD88
LOCAL CONTROL DATA
BENCHMARK: COLONY
ELEVATION: 7.57' NAVD88



DATE OF SURVEY:	JULY 24-25, 2020
SCALE:	ONE INCH = 50 FEET
FIELD BOOKS:	DBA13, 24 AUG 2020
RED. NO./FILE NO.:	4989/A

APPROVED:	J. MCKEVEY
APPROVED:	M. EDGIE
APPROVED:	P. BIRDOR
APPROVED:	J. WRAZ
DATE:	22 SEPTEMBER 2020

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
NEW YORK DISTRICT
OPERATIONS DIVISION
SHARPLESS CANAL
CENAN-OP-S

**PORT CHESTER HARBOR, NEW YORK**

**CONDITION SURVEY**

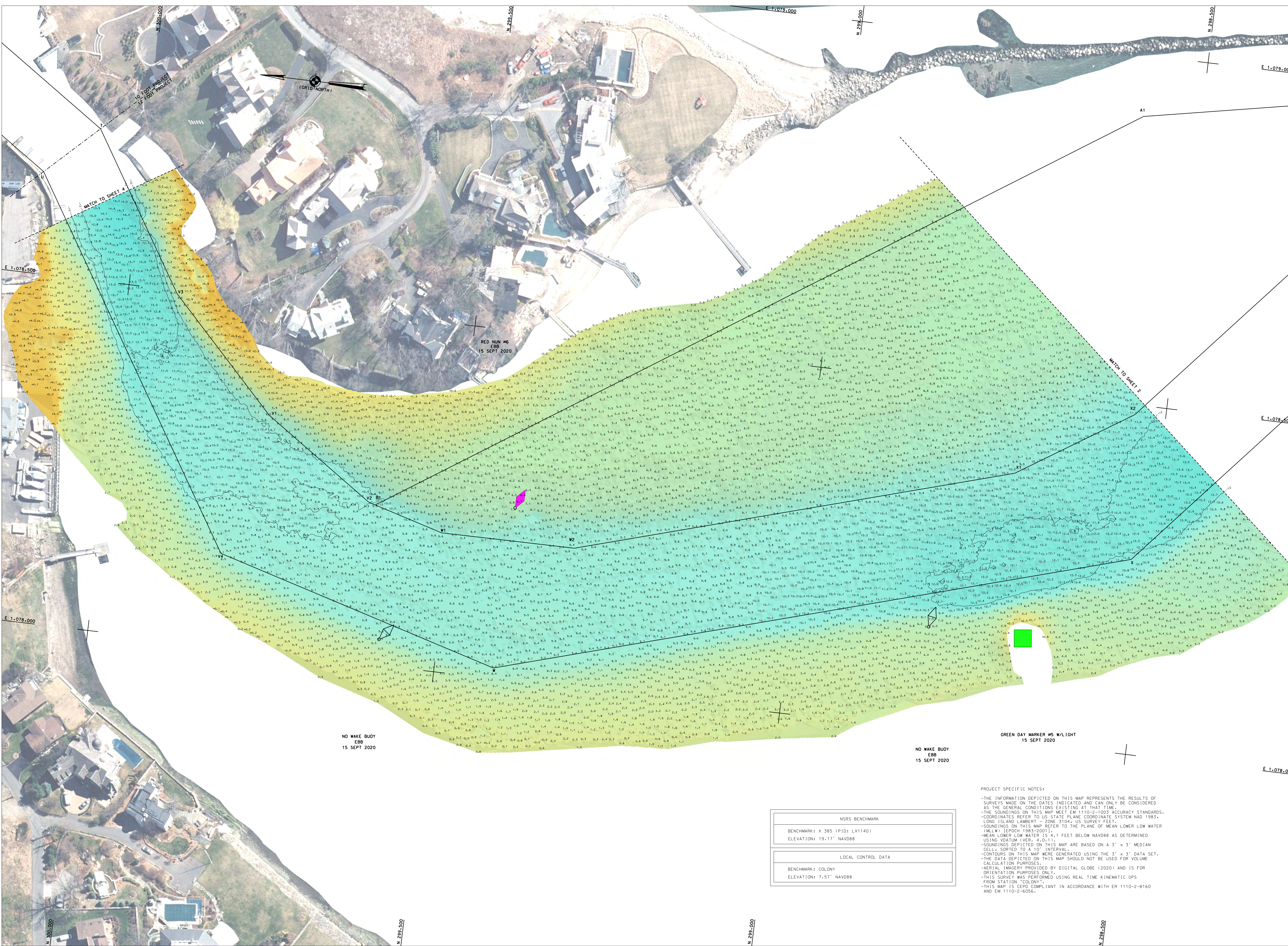
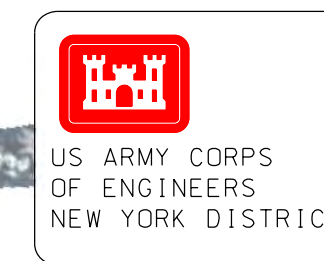
**VH-102**

SHEET 2 OF 7

NSRS BENCHMARK	
BENCHMARK: X 385 (PTID: LY1140)	
ELEVATION: 19.17' NAVD 1988	
LOCAL CONTROL DATA	
BENCHMARK: COLONY	
ELEVATION: 7.57' 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 SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
- COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 104, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) (EPOCH 1985-2011).
- MEAN LOWER LOW WATER IS 4.1 FEET BELOW NAVD88 AS DETERMINED USING VDATUM VER. 4.0.11.
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 10' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.



DATE OF SURVEY:	JULY 22 - 23, 2020
SCALE:	ONE INCH = 50 FEET
FIELD BOOKS:	DBA13, 24, AUG 2020
REVISIONS:	NO. / FILE NO. / 4989/A
DATE:	
BY:	
CHECKED BY:	
APPROVED BY:	

APPROVED: J. WICKELVEY  
 APPROVED: M. EDGIE  
 APPROVED: P. BIRDORF  
 APPROVED: J. WRAZ

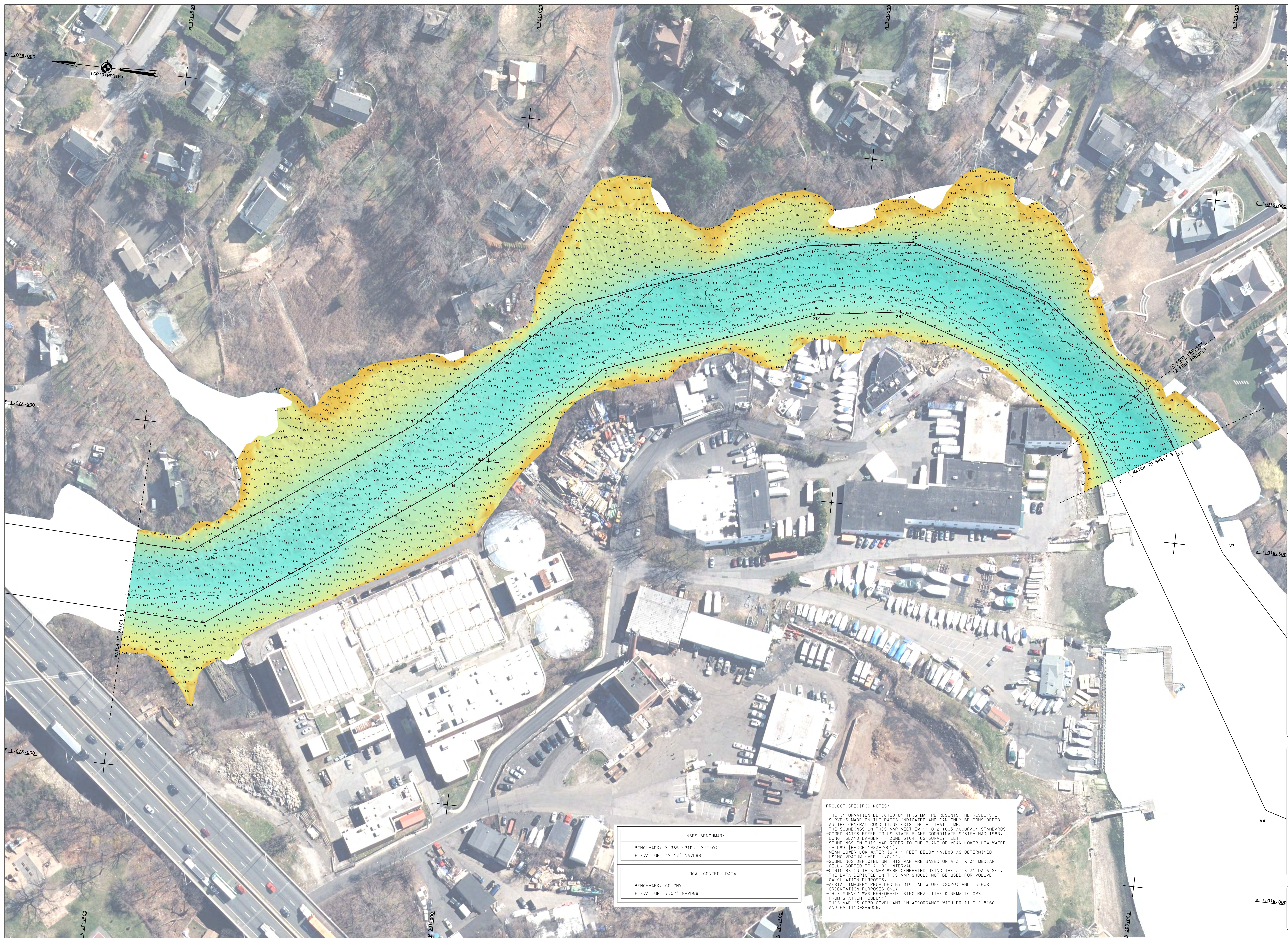
DEPARTMENT OF THE ARMY  
 CORPS OF ENGINEERS  
 NEW YORK DISTRICT  
 OPERATIONS DIVISION  
 SURVEILLANCE SECTION  
 CENAN-CP-5

PORT CHESTER HARBOR  
 NEW YORK  
 CONDITION SURVEY

VH-103  
 SHEET 3 OF 7

NSRS BENCHMARK	
BENCHMARK:	X 585 (PID: LK1140)
ELEVATION:	19.17' NAVD88
LOCAL CONTROL DATA	
BENCHMARK:	COLONY
ELEVATION:	7.57' NAVD88

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.  
 -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) (FEDCH 1985-2001).  
 -MEAN LOWER LOW WATER IS 4.1 FEET BELOW NAVD88 AS DETERMINED USING WATUM IVER, 4-0-11.  
 -SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 10' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.  
 -THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".  
 -THIS MAP IS DEPT COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.



<b>US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT</b>										
<p><b>DATES OF SURVEY:</b> JUL 18, 2020; JUL 22, 2020</p> <p><b>SCALE:</b> ONE INCH = 50 FEET FIELD BOOKS: DATE: 20 AUG 2020</p> <p><b>APPROVED:</b> J. MCKEVEY APPROVED: M. EDGIE APPROVED: P. BIRDOR APPROVED: J. WRAZ</p> <p>DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK DISTRICT OPERATIONS DIVISION SURVEILLANCE SECTION CENAN-OP-5</p>	<p>ED: JMS JMS</p> <p>REG. NO./FILE NO.: 4989/A</p> <p>REVISIONS:</p> <table border="1"> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table> <p><b>PORT CHESTER HARBOR, NEW YORK</b></p> <p><b>CONDITION SURVEY</b></p> <p><b>VH-104</b></p> <p>SHEET 4 OF 7</p> <p>REG. NO./FILE NO.: 4989/A</p>									

**NSRS BENCHMARK**

BENCHMARK: X 385 (FID: LX1140)  
ELEVATION: 19.17' NAVD88

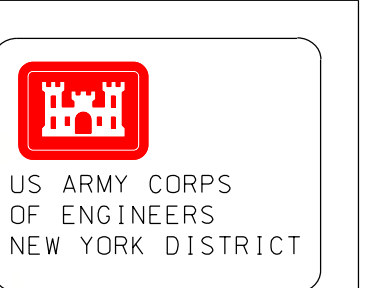
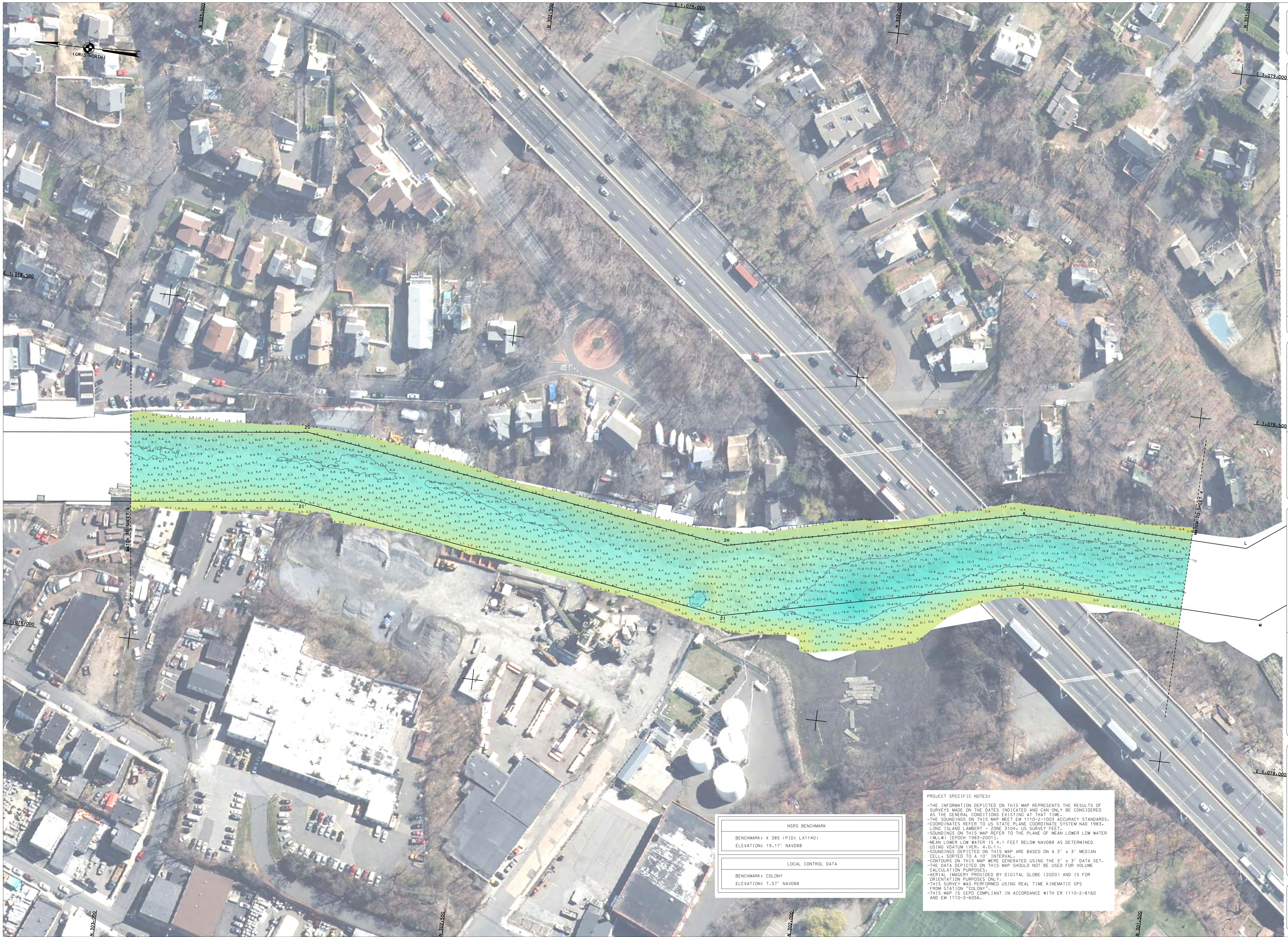
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**LOCAL CONTROL DATA**

BENCHMARK: COLONY  
ELEVATION: 7.57' NAVD88

**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.
- COORDINATES REFER TO U.S. STATE PLANE COORDINATE SYSTEM NAD 1983, LONG ISLAND LAMBERT - ZONE 1804, US SURVEY FEET.
- SOUNDINGS ON THIS MAP REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW) (EPOCH 1985-2001).
- MEAN LOWER LOW WATER IS 4.1 FEET BELOW NAVD88 AS DETERMINED USING VORTUM RIVER, 4-0-11.
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 10' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".
- THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.



DATE OF SURVEY:	31 AUG 2020
SCALE:	ONE INCH = 50 FEET
FIELD BOOKS:	DMAD 24 AUG 2020
DATE:	22 SEPTEMBER 2020
PROJECT:	PORT CHESTER HARBOR, NEW YORK
OPERATIONS DIVISION:	SURVEY SECTION
DATE:	22 SEPTEMBER 2020
PROJECT:	PORT CHESTER HARBOR, NEW YORK
OPERATIONS DIVISION:	SURVEY SECTION
DATE:	22 SEPTEMBER 2020

APPROVED:	J. MCKEEVEY
APPROVED:	M. EDGIE
APPROVED:	P. BIRDDOR
APPROVED:	J. WRAZ

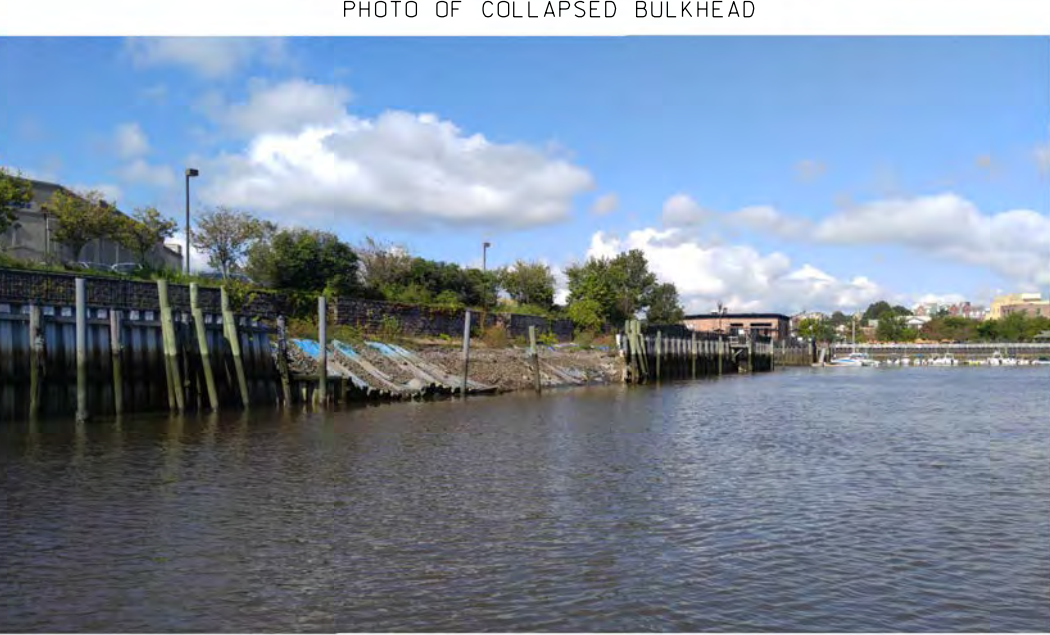
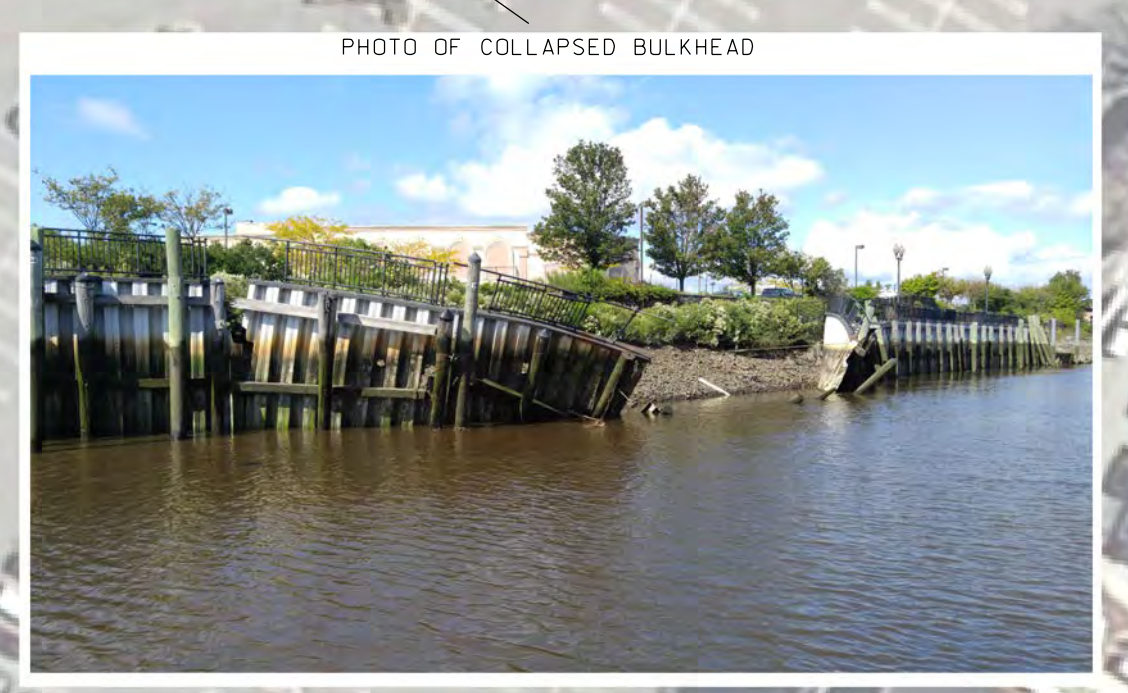
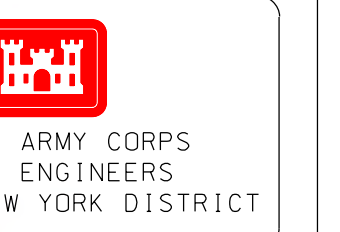
DEPARTMENT OF THE ARMY	CORPS OF ENGINEERS	NEW YORK DISTRICT	NEW YORK 10278
OPERATIONS DIVISION	SURVEY SECTION	CENAN-OP-5	

PORT CHESTER HARBOR, NEW YORK  
CONDITION SURVEY

VH-105  
SHEET 5 OF 7

NSRS BENCHMARK	
BENCHMARK:	X 385 (PJD: LX1140)
ELEVATION:	19.17' NAVD88
LOCAL CONTROL DATA	
BENCHMARK:	COLONY
ELEVATION:	7.57' NAVD88

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.  
 -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 1985-2001).  
 -MEAN LOWER LOW WATER IS 4.1 FEET BELOW NAVD88 AS DETERMINED USING VDATUM 1VER, 4.0, 11/11.  
 -SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 10' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.  
 -THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".  
 -THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.



NSRS BENCHMARK	
BENCHMARK: X 385 (PID: LX1140)	ELEVATION: 19.17' NAVD88
LOCAL CONTROL DATA	
BENCHMARK: COLONY	ELEVATION: 7.57' NAVD88

**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.
- 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) PERIOD 1983-2001.
- MEAN LOWER LOW WATER IS 4.1 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4-0-11).
- SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 10' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.
- THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".
- THIS MAP IS CEPO COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.

DATE OF SURVEY:	21 AUG 21, 15:51:58:2020
SCALE:	ONE INCH = 50 FEET
FIELD BOOKS:	081810, 21 AUG 2020
REVISIONS:	
NO. / FILE NO.:	4989/A
DATE:	
BY:	
CHKD:	
APPV:	

APPROVED:	J. MCKELVEY
APPROVED:	M. EDEITE
APPROVED:	E. BISHOP
APPROVED:	J. WRAZ
DATE:	21 SEPTEMBER 2020

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

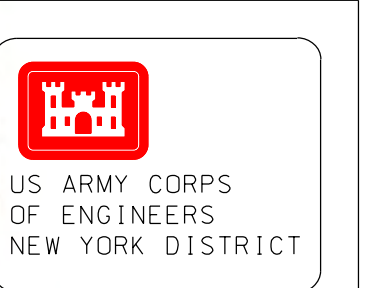
OPERATIONS DIVISION  
SURVEYS SECTION  
CENAN-CP-S

**PORT CHESTER HARBOR, NEW YORK**

**CONDITION SURVEY**

VH-106

SHEET 6 OF 7



ED: JMS
MP

DATES OF SURVEY: 22 AUG 24 - 15 SEP 24	SCALE: ONE INCH = 50 FEET FIELD BOOKS: 08A13, 24 AUG 2020	REG. NO./FILE NO.: 4989/A
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DEPARTMENT OF THE ARMY CORPS OF ENGINEERS NEW YORK DISTRICT OPERATIONS DIVISION SURVEY SECTION CENAN-OPS	APPROVED: J. BUCKLEY APPROVED: M. EDITE APPROVED: P. BRIDGER APPROVED: J. WRAZ DATE: 23 SEPTEMBER 2020
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PORT CHESTER HARBOR,  
 NEW YORK  
 CONDITION SURVEY

VH-107  
 SHEET 7 OF 7

NSRS BENCHMARK BENCHMARK: X 385 (PID: LX1140) ELEVATION: 19.17' NAVD88	LOCAL CONTROL DATA BENCHMARK: COLONY ELEVATION: 7.57' NAVD88
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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 1110-2-6051 ACCURACY STANDARDS.  
 -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], 1.1 FEET BELOW NAVD88 AS DETERMINED USING VDATUM (VER. 4.0.11).  
 -SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 10' 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 DIGITAL GLOBE (2020) AND IS FOR ORIENTATION PURPOSES ONLY.  
 -THIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "COLONY".  
 -THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-8160 AND EM 1110-2-6056.