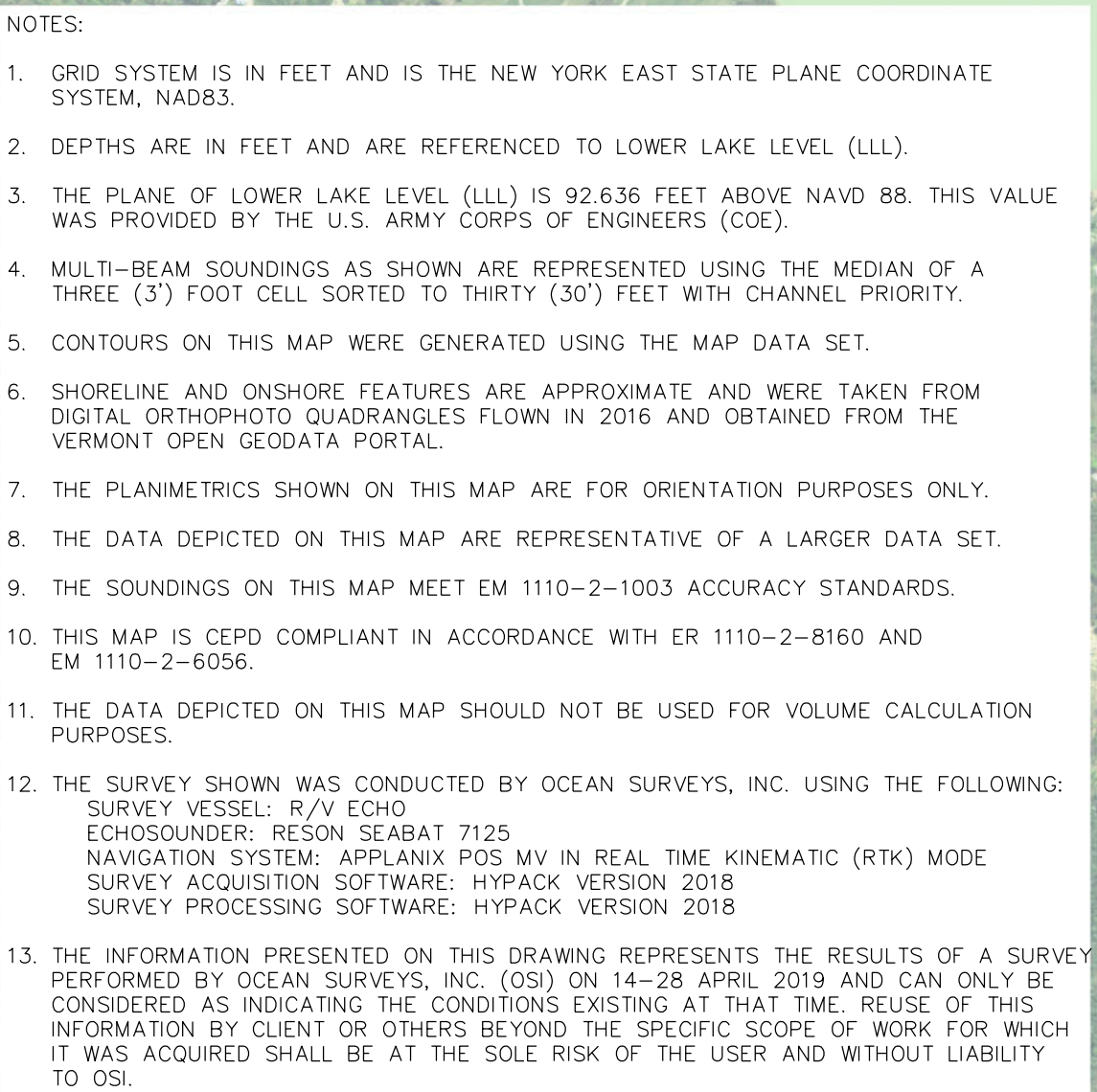


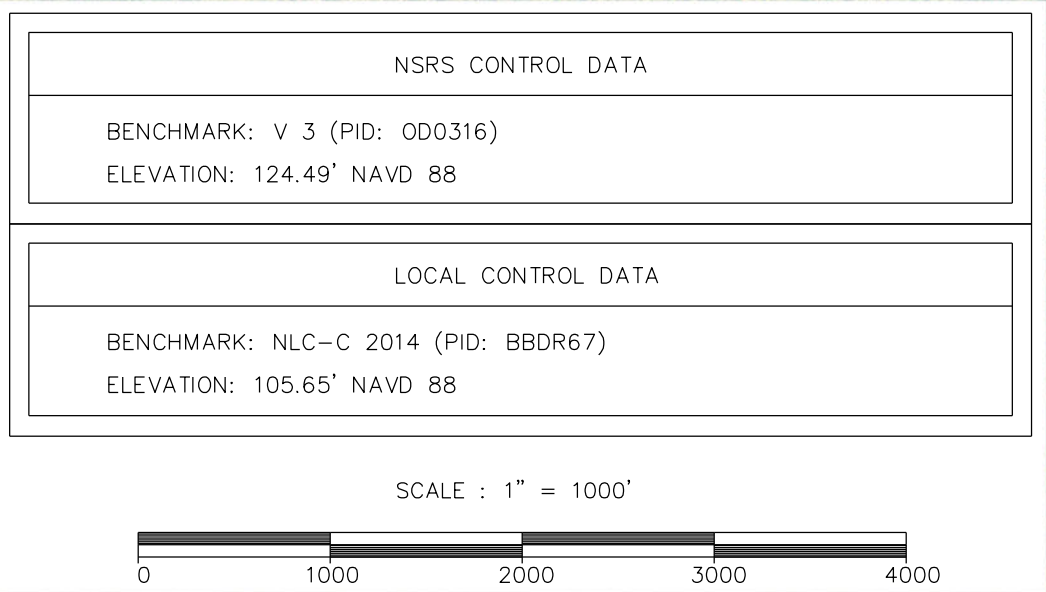
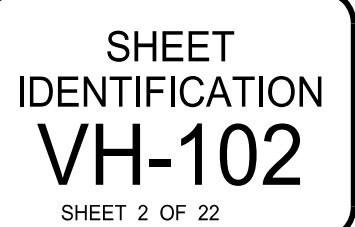


U.S. ARMY CORPS OF ENGINEERS		DATE: 11-23-2018	
NEW YORK DISTRICT		SOLICITATION NO.:	
NEW YORK, NY		CONTRACT NO.:	
DESIGNED BY:		V01 2D05-14-0-0005	
DRAWN BY:		CNO BY:	
CS1		COE	
SUBMITTED BY:		REQUEST NUMBER:	
CS1		4686	
PLT SCALE:	ISSUE DATE:	FILE NO.	FILE NAME
1"=100'	03/09/2019	000000	000000
SIZE:	SIZE:	SIZE:	SIZE:
ANSI F	ANSI F	ANSI F	ANSI F
			11-CHAMPPLAIN.MXD

SHEET  
IDENTIFICATION  
**VH-101**  
SHEET 1 OF 22







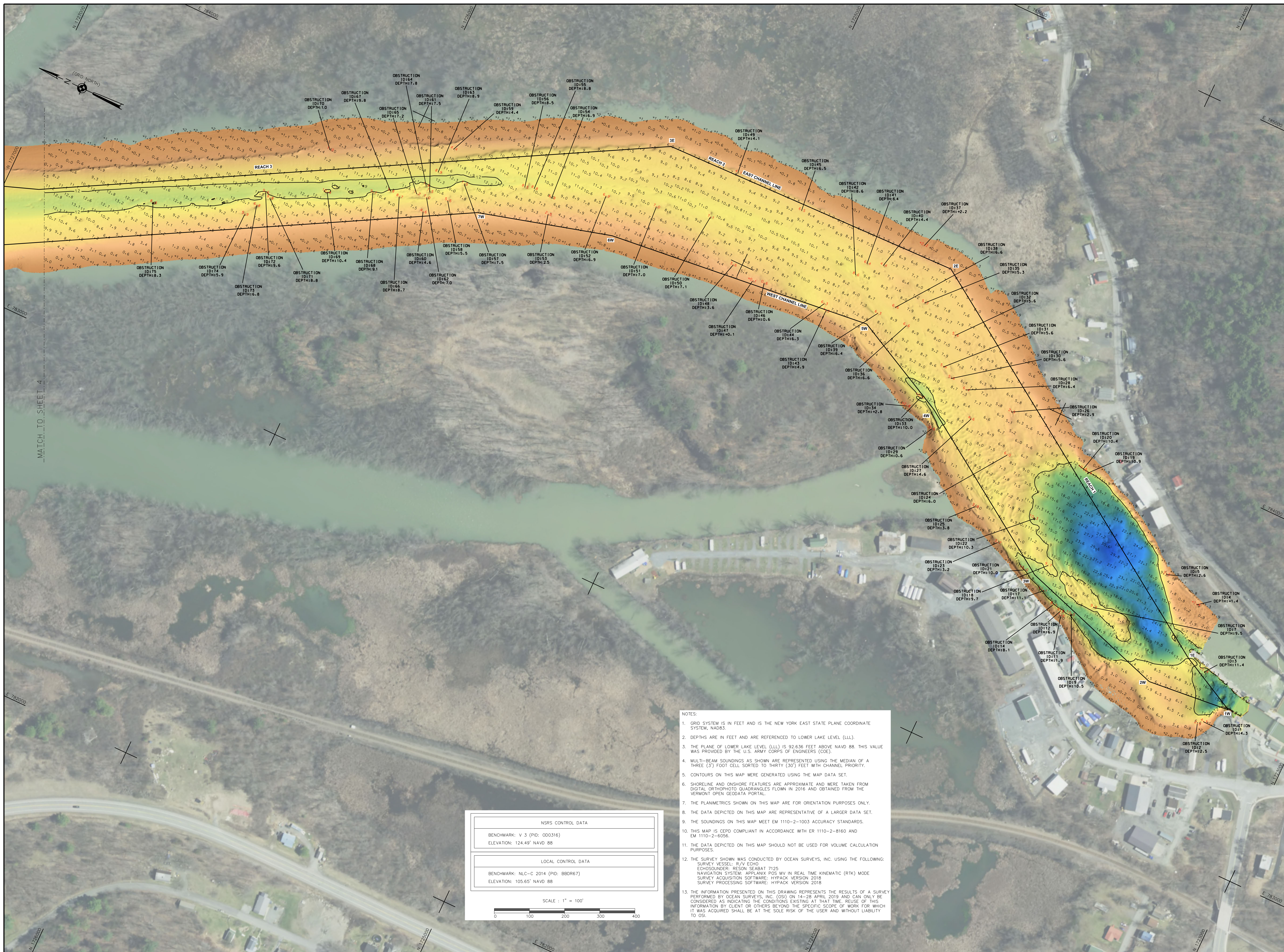




DESIGNED BY: COE	DATE: APRIL 14/28, 2018
DWGN BY: OSI	SOLICITATION NO.:
SUBMITTED BY: OSI	CONTRACT NO.: W912D5-14-D-0005
PLOT SCALE: 1" = 100'	REQUEST NUMBER: 4698
SIZE: ANSI F	FILE NAME: VH103-CHAMPLAIN_MB.DGN


**OCEAN SURVEYS, INC.**  
129 MILL ROCK ROAD EAST  
OLD SAYBROOK, CONNECTICUT  
(860) 388-4630

SHEET  
IDENTIFICATION  
**VH-103**  
SHEET 3 OF 22



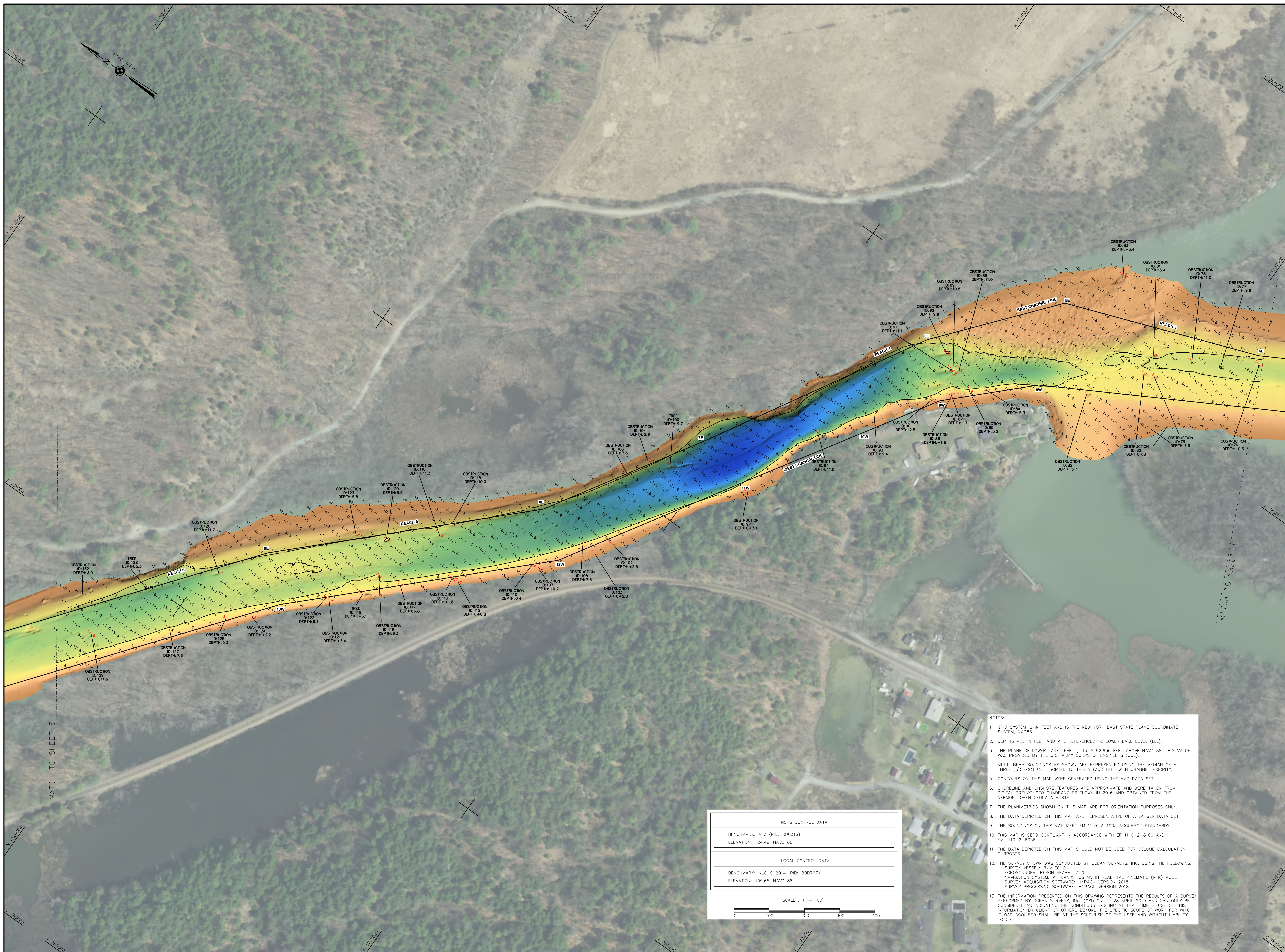


[illegible]

 <b>OCEAN SURVEYS, INC.</b> <small>AN ISO 9001:2015 CERTIFIED COMPANY</small>		<b>U.S. ARMY CORPS OF ENGINEERS</b> <b>NEW YORK DISTRICT</b> <b>NEW YORK, NY</b>	
DESIGNED BY:	DATE:	CONTRACT NO.:	DATE:
14-02-2018	14-02-2018		
DRAWN BY:	CKD BY:	SOLICITATION NO.:	
SUBMITTED BY:	ISSUE DATE:	REQUEST NO.:	4686
	10/01/2018	WM1205-14-0-0005	
FILE NAME:	FILE SIZE:		
V1074-CHAMPAIN	1.14 MB		
ANSI F			

# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 3-6 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-104**  
SHEET 4 OF 22





[illegible]

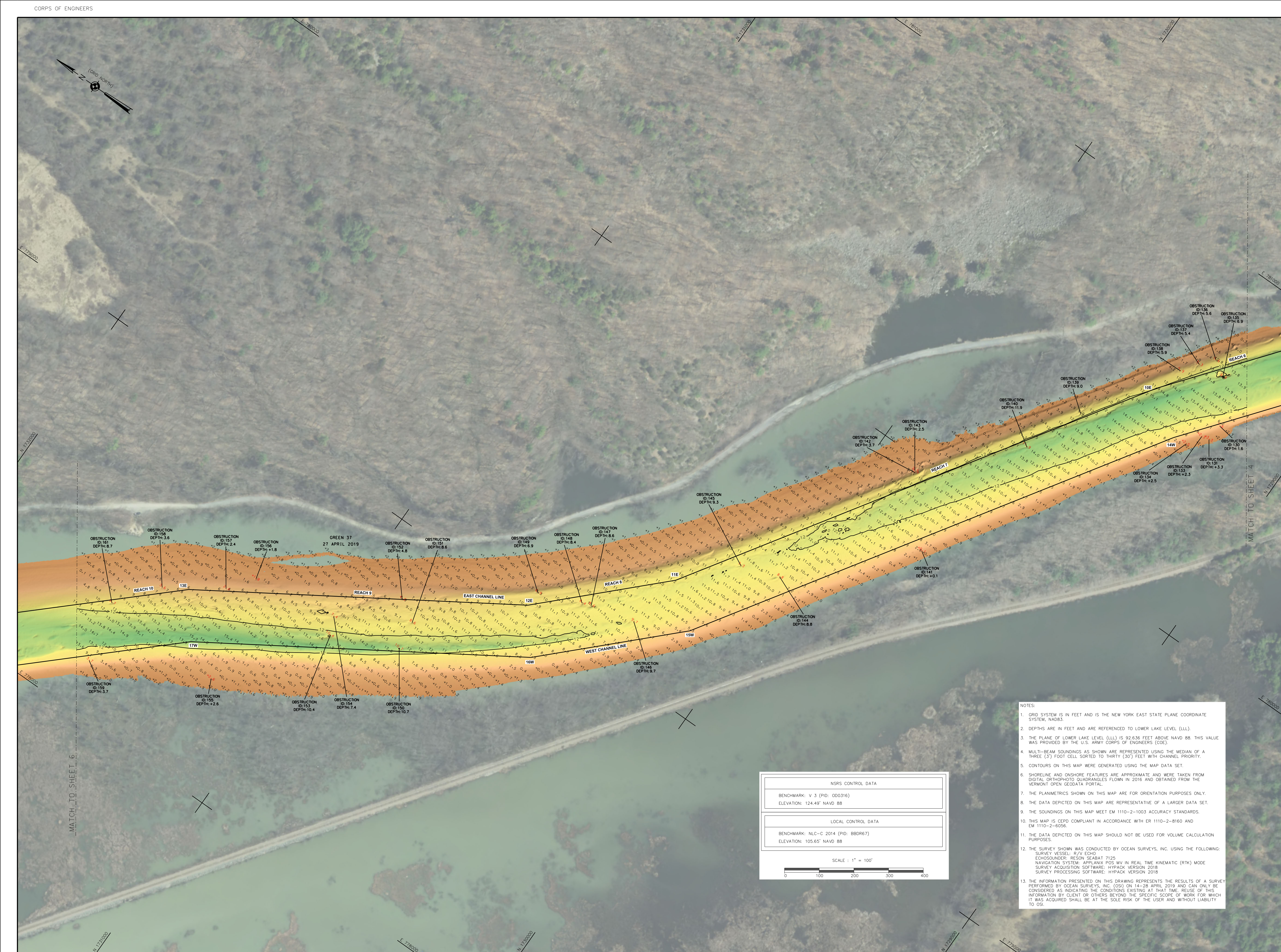
DESIGNED BY: COE	DATE: APRIL 14/28, 2018
DRAWN BY: OSI	SOLICITATION NO.:
SUBMITTED BY: OSI	CONTRACT NO.: W912D5-14-D-0005
PLOT SCALE: 1" = 100'	REQUEST NUMBER: 4698
SIZE: ANSI F	FILE NAME: VH105-CHAMPLAIN_MB.DGN

U.S. ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT  
NEW YORK, NY



# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 6-10 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-105**  
SHEET 5 OF 22



NOTES

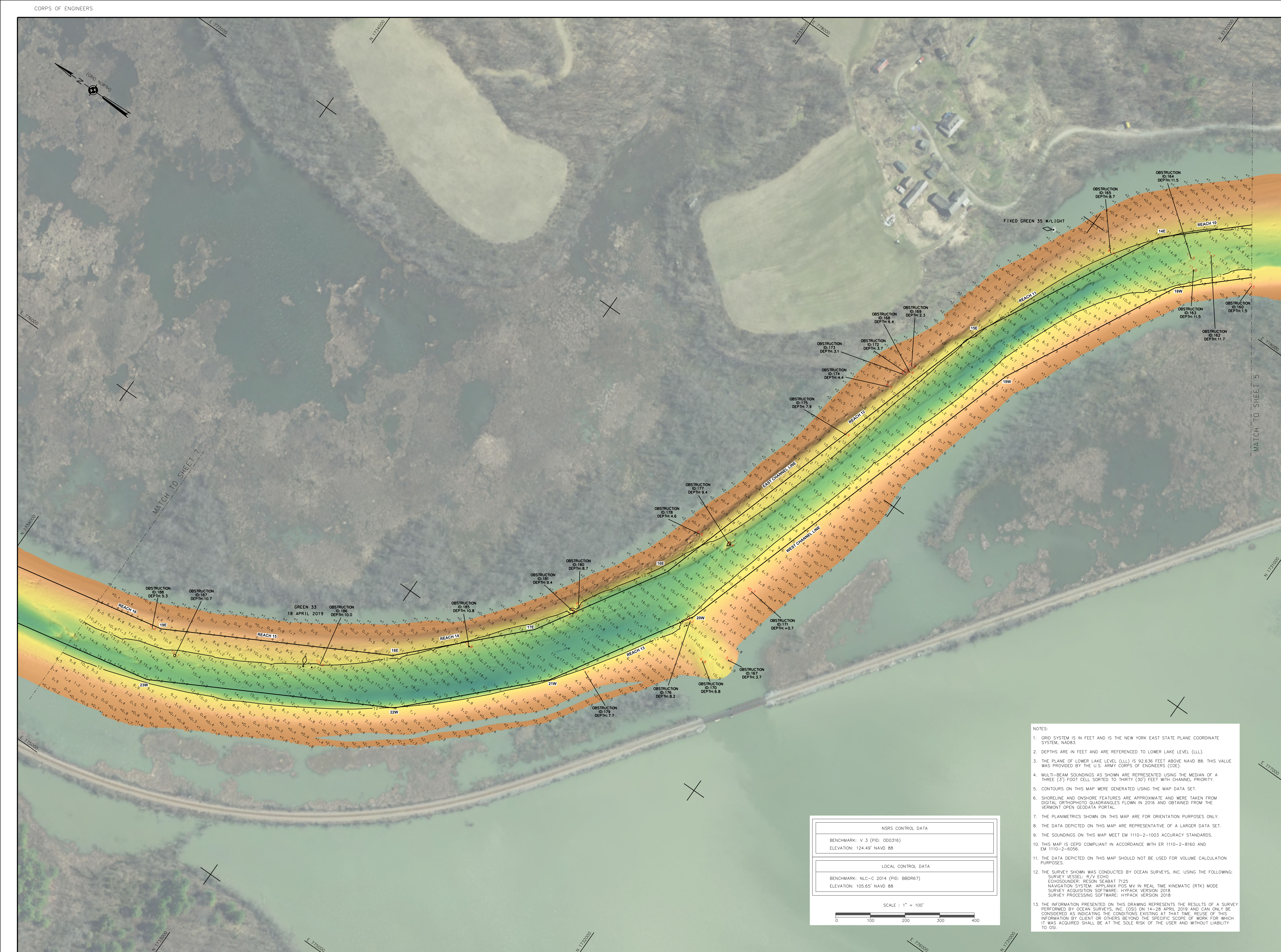
1. GRID SYSTEM IS IN FEET AND IS THE NEW YORK EAST STATE PLANE COORDINATE SYSTEM, NAD83.
2. DEPTHS ARE IN FEET AND ARE REFERENCED TO LOWER LAKE LEVEL (LLL).
3. THE PLANE OF LOWER LAKE LEVEL (LLL) IS 92.636 FEET ABOVE NAVD 88. THIS VALUE WAS PROVIDED BY THE U.S. ARMY CORPS OF ENGINEERS (COE).
4. MULTI-BEAM SOUNDINGS AS SHOWN ARE REPRESENTED USING THE MEDIAN OF THE THREE (3) FOOT CELL SORTED TO THIRTY (30) FEET WITH CHANNEL PRIORITY.
5. CONTOURS ON THIS MAP WERE GENERATED USING THE MAP DATA SET.
6. SHORELINE AND ONSHORE FEATURES ARE APPROXIMATE AND WERE TAKEN FROM DIGITAL ORTHOPHO TO QUADRANGLES FLOWN IN 2016 AND OBTAINED FROM THE VERMONT OPEN GEODATA PORTAL.
7. THE PLANIMETRICS SHOWN ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.
8. THE DATA DEPICTED ON THIS MAP ARE REPRESENTATIVE OF A LARGER DATA SET.
9. THE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS.
10. THIS MAP IS CEPD COMPLIANT IN ACCORDANCE WITH ER 1110-2-816D AND EM 1110-2-6056.
11. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.
12. THE SURVEY/SHOWN WAS CONDUCTED BY OCEAN SYSTEMS, INC. USING THE FOLLOWING:  
SURVEY VESSEL: R/V OCEAN  
ECOSOUNDER: RECON SEABAT 7125  
NAVIGATION SYSTEM: APPLIXIN POS MV IN REAL TIME KINEMATIC (RTK) MODE  
SURVEY ACQUISITION SOFTWARE: HYPPACK VERSION 2018  
SURVEY PROCESSING SOFTWARE: HYPPACK VERSION 2018
13. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SYSTEMS, INC. (OSI) ON 14-28 APRIL 2018 AND CAN ONLY BE CALIBRATED IN ACCORDANCE WITH 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 LIABILITY TO OSI.



[illegible][illegible]

**HYDROGRAPHIC CONDITIONS SURVEY  
NARROWS OF LAKE CHAMPLAIN  
FEDERAL NAVIGATION CHANNEL  
REACH 10-16  
FATHOMETER SOUNDINGS IN FEET**

SHEET  
IDENTIFICATION  
**VH-106**  
SHEET 6 OF 22





[illegible]

DESIGNED BY: COE	DATE: APRIL 14-28, 2018
DWGN BY: OSI	SOLICITATION NO.:
CKD BY: COE	CONTRACT NO.: W912D5-14-D-0005
SUBMITTED BY: OSI	REQUEST NUMBER: 4698
PLOT SCALE: 1" = 100'	ISSUE DATE: AUG 2019
SIZE: ANSI F	FILE NAME: VH107-CHAMPLAIN_MB.DGN

U.S. ARMY CORPS OF ENGINEERS

NEW YORK DISTRICT  
NEW YORK, NY

0

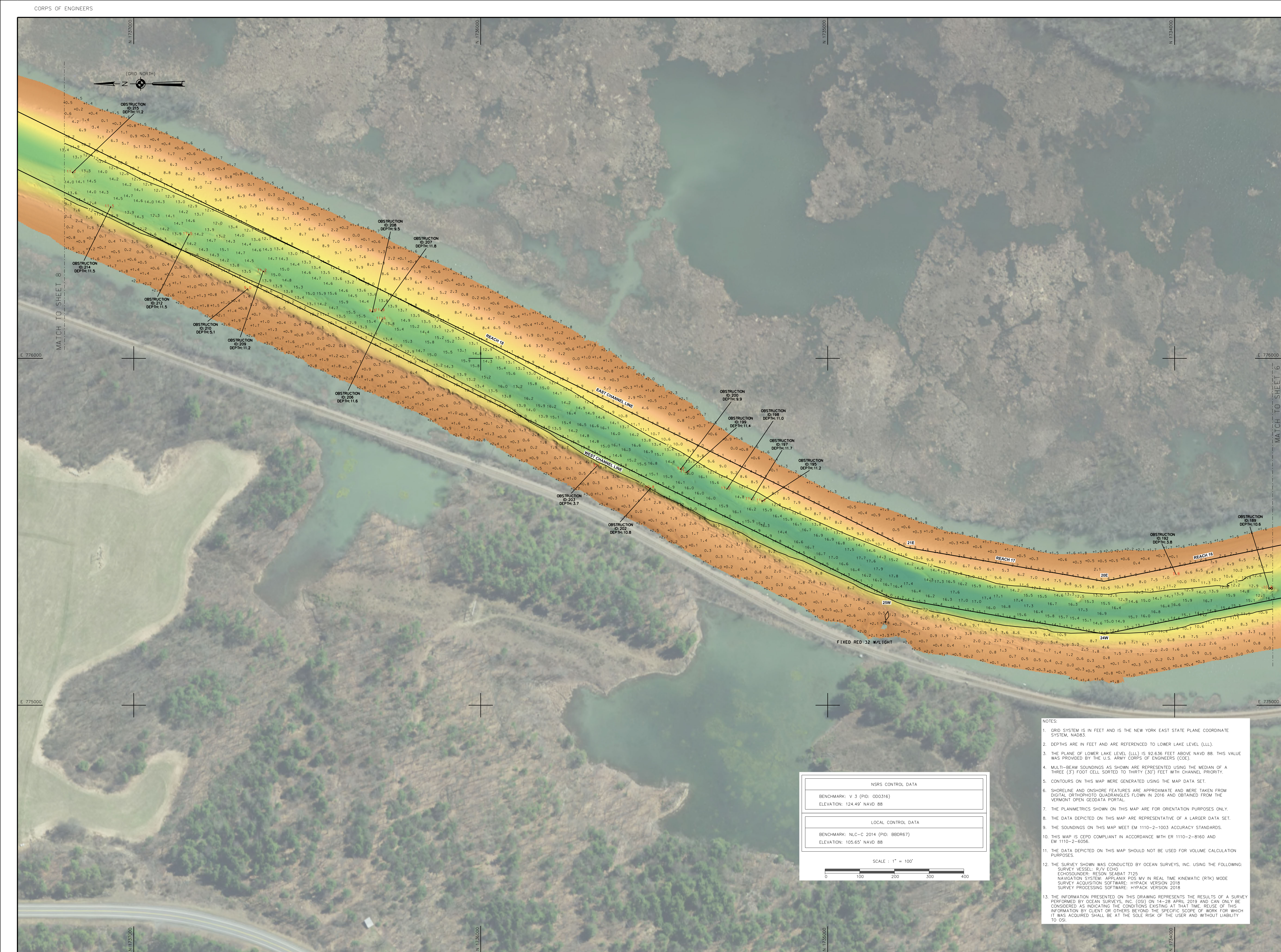


**OCEAN SURVEYS, INC.**  
129 MILL ROCK ROAD EAST  
OLD SAYBROOK, CONNECTICUT  
06458-1063 Tel: 461-381-1100

www.yourprivacysite.com


**HYDROGRAPHIC CONDITIONS SURVEY  
NARROWS OF LAKE CHAMPLAIN  
FEDERAL NAVIGATION CHANNEL  
REACH 16-18  
FATHOMETER SOUNDINGS IN FEET**

SHEET  
IDENTIFICATION  
**VH-107**  
SHEET 7 OF 22

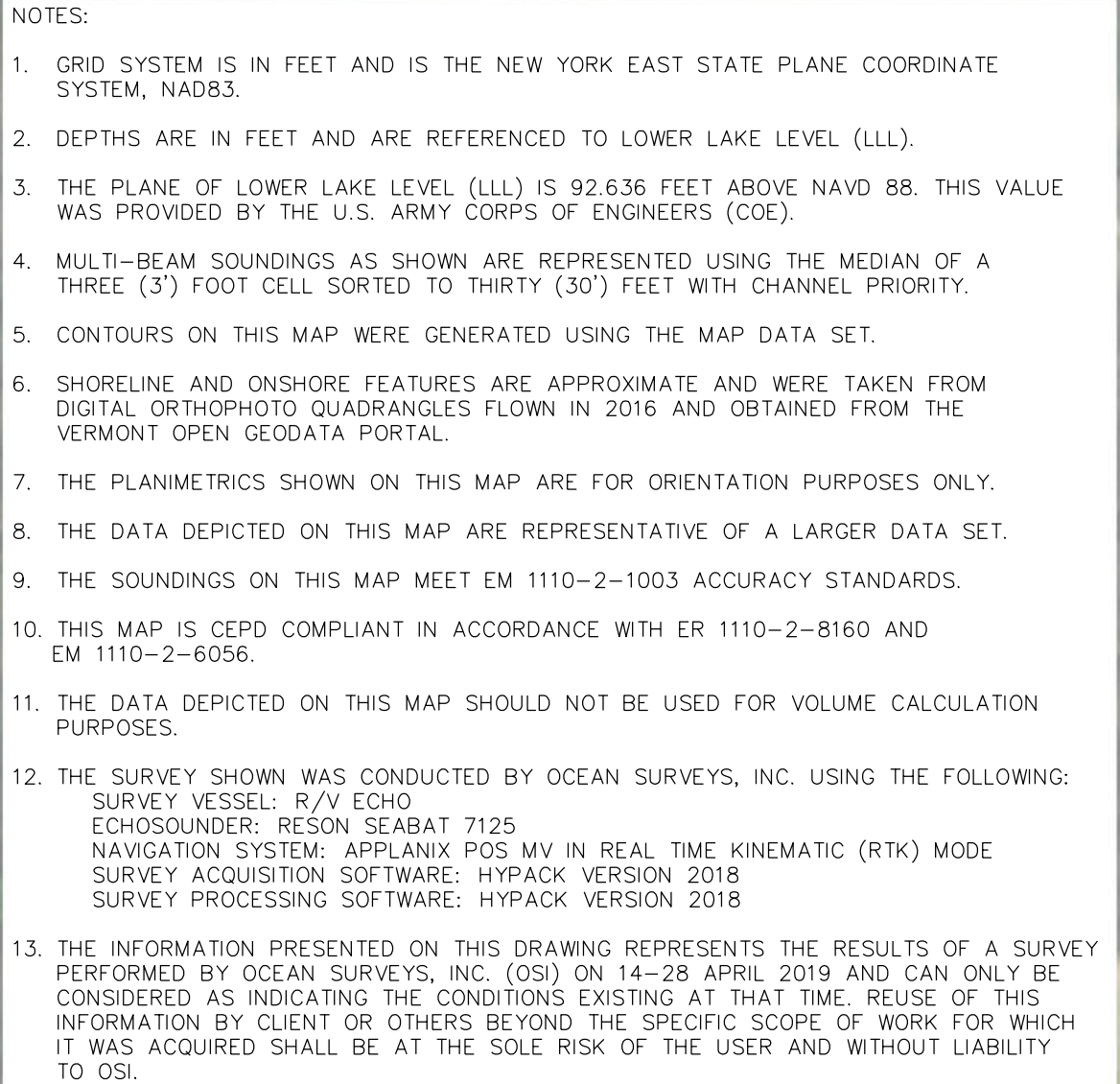







 <b>OCEAN SURVEYS, INC.</b> <small>AN ISO 9001:2015 CERTIFIED COMPANY</small>		<b>U.S. ARMY CORPS OF ENGINEERS</b> <b>NEW YORK DISTRICT</b> <b>NEW YORK, NY</b>	
DESIGNED BY:	DATE:	CONTRACT NO.:	DATE:
010	11-14-2018	14-0005	11-14-2018
DRAWN BY:	CKD BY:	SOLICITATION NO.:	
010	010	14-0005	
SUBMITTED BY:	ISSUE DATE:	REQUEST NUMBER:	
010	11-14-2018	4686	
FILE NAME:	FILE SIZE:		
ANSI F	1107B-CHAMPLAIN_V1M.DGN		

SHEET  
IDENTIFICATION  
**VH-108**  
SHEET 8 OF 22



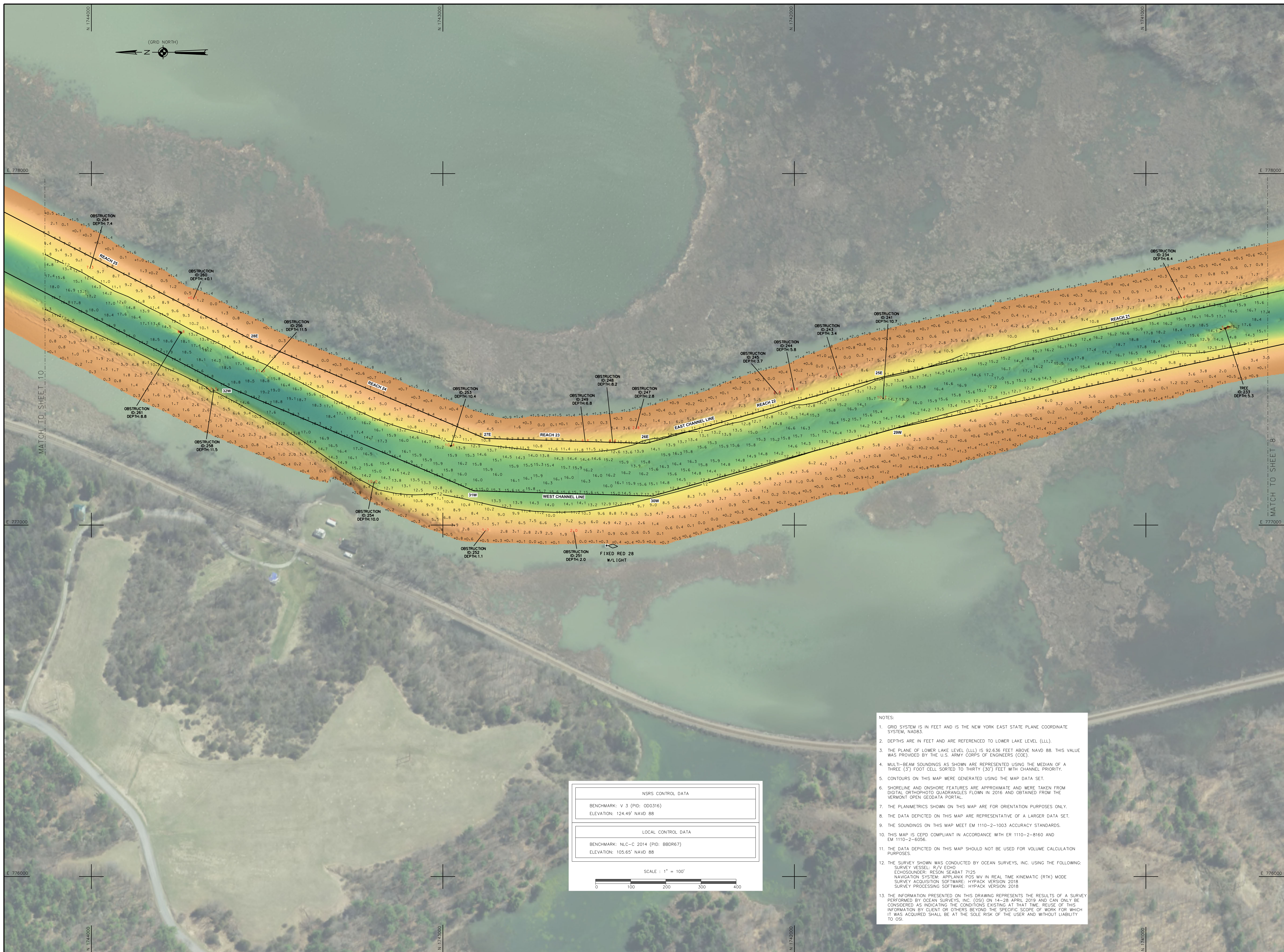


[illegible]

 <b>OCEAN SURVEYS, INC.</b> 1000 WEST 10TH AVENUE, SUITE 100 DENVER, CO 80202-1502 TEL: 303.733.0800 FAX: 303.733.0801 WWW.OCEANSURVEYS.COM		U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT NEW YORK, NY	
DESIGNED BY:	DATE:	CONTRACT NO.:	ISSUE DATE:
14-028, 2018	14-028, 2018		100
DRAWN BY:	CKD BY:	SOLICITATION NO.:	FILE NAME:
	COE	14-0005	14-028
SUBMITTED BY:		REQUEST NUMBER:	SIZE:
		4686	ANSI F
		4686	V107-CHAMPLAIN_V10.DGN


# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 21-25 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-109**  
SHEET 9 OF 22



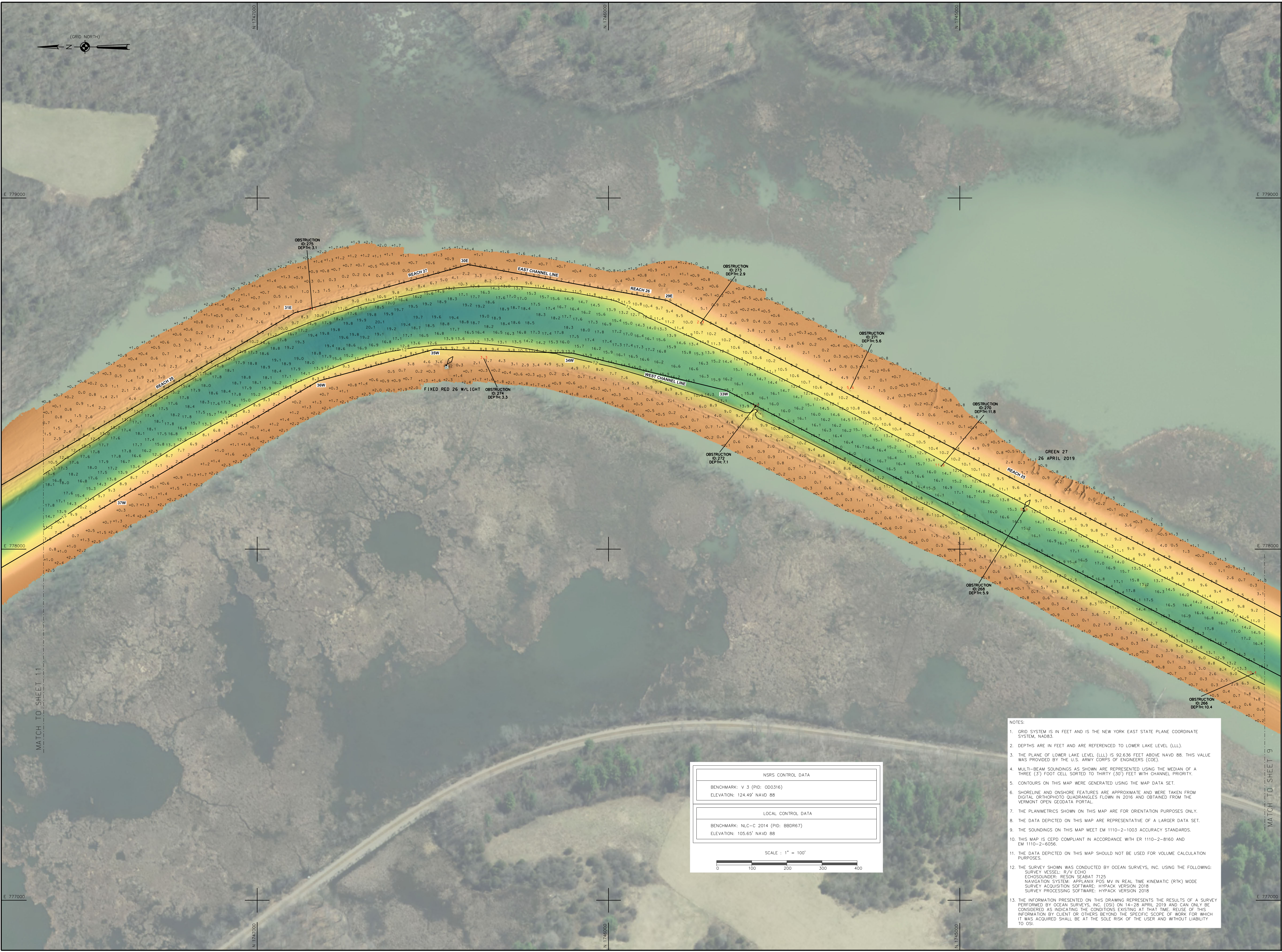


[illegible]

 U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT NEW YORK, NY		DESIGNED BY: DATE: 11-22-2018	
DWN BY: CKD BY:		SOLICITATION NO.: CONTRACT NO.:	
SUBMITTED BY:		WH1205-14-00005 14050	
PLOT SCALE:		ISSUE DATE:	
SIZE:	FILE NAME:	REQUEST NUMBER:	
ANS: F	11-14-CHAMPLAIN_MB.DGN	14050	


# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 25-28 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-110**  
SHEET 10 OF 22



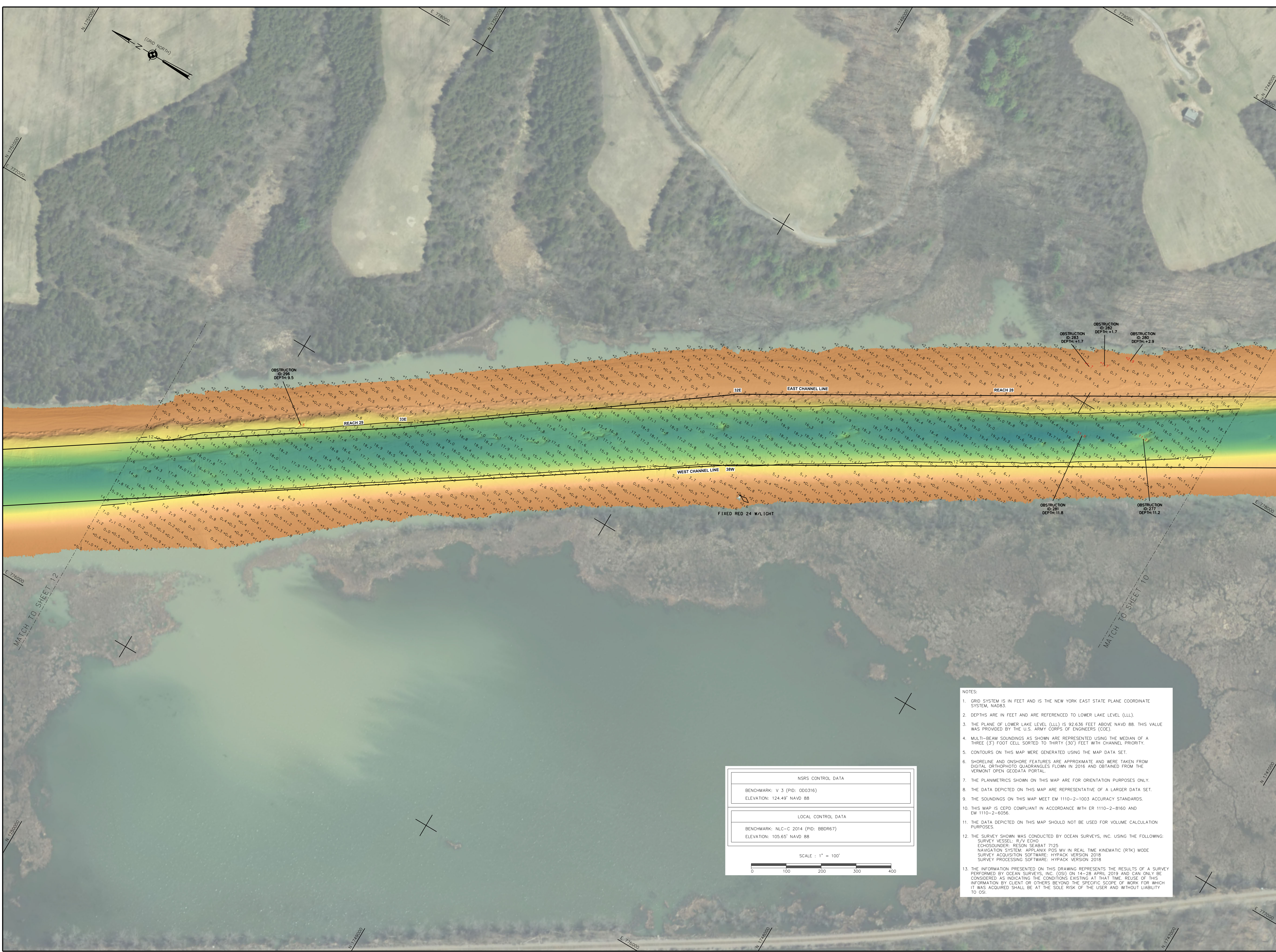


[illegible]

 <b>OCEAN SURVEYS, INC.</b> 10000 WILSON AVENUE, SUITE 100 OIL FIELD SERVICE CENTER 915 ARTHUR AVENUE OIL FIELD SERVICE CENTER OIL FIELD SERVICE CENTER		DESIGNED BY: U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT NEW YORK, NY		DATE: 11-23-2018	
DWN BY: CSD BY: SUBMITTED BY:		SOLICITATION NO.: CONTRACT NO.: ORDER NO.:		DATE: 11-23-2018	
FLO SCALE: 100 SIZE: 100 FILE NAME: 11-23-2018 ANS I: 11-23-2018 ANS F: 11-23-2018		REQUEST NUMBER: 4486		11-23-2018	

**HYDROGRAPHIC CONDITIONS SURVEY  
NARROWS OF LAKE CHAMPLAIN  
FEDERAL NAVIGATION CHANNEL  
REACH 28-29  
FATHOMETER SOUNDINGS IN FEET**

SHEET  
IDENTIFICATION  
**VH-111**  
SHEET 11 OF 22

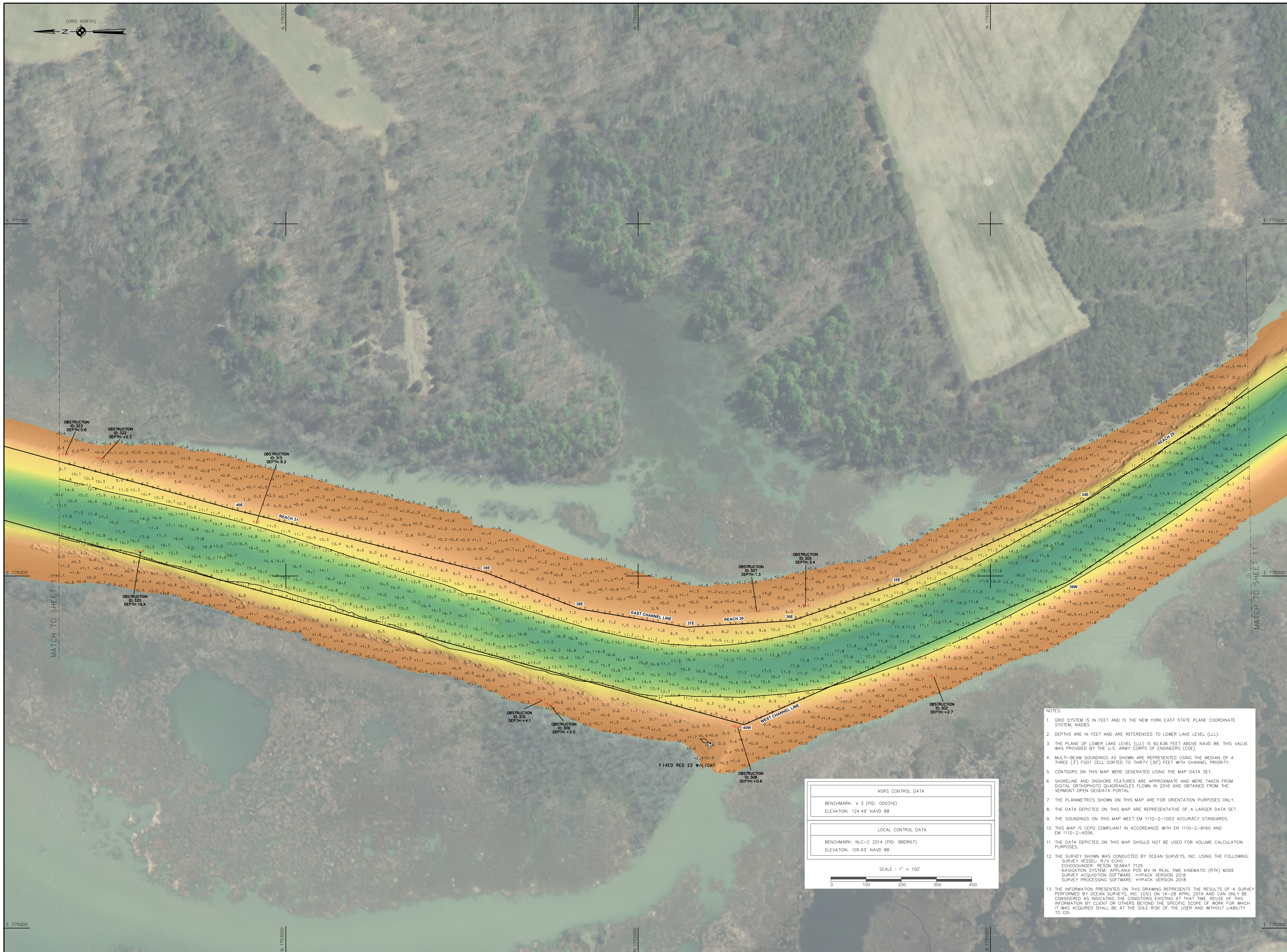




[illegible][illegible]

# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 29-31 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-112**  
SHEET 12 OF 22

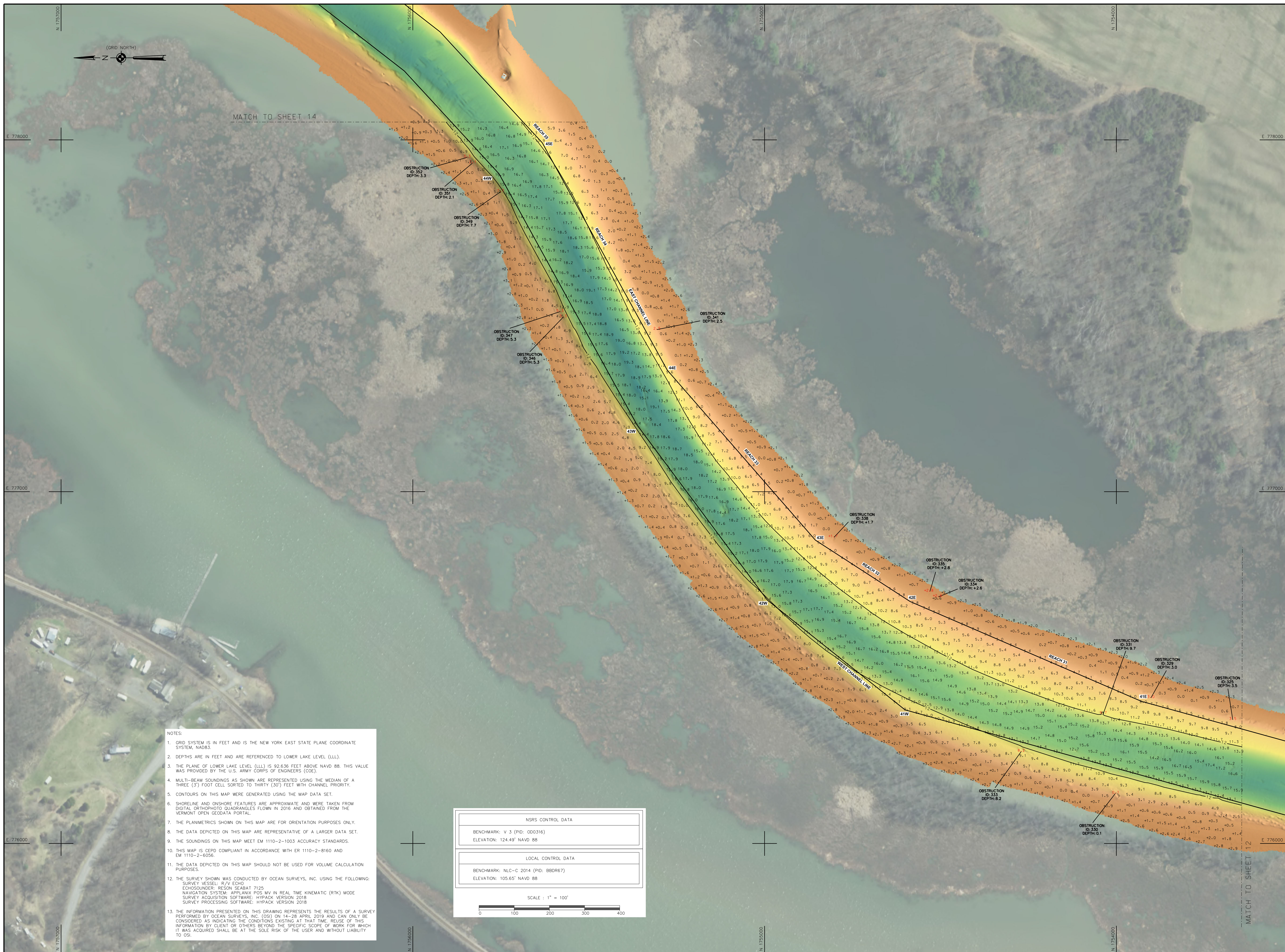




[illegible][illegible]


**HYDROGRAPHIC CONDITIONS SURVEY  
NARROWS OF LAKE CHAMPLAIN  
FEDERAL NAVIGATION CHANNEL  
REACH 31-35  
FATHOMETER SOUNDINGS IN FEET**

SHEET  
IDENTIFICATION  
**VH-113**  
SHEET 13 OF 22



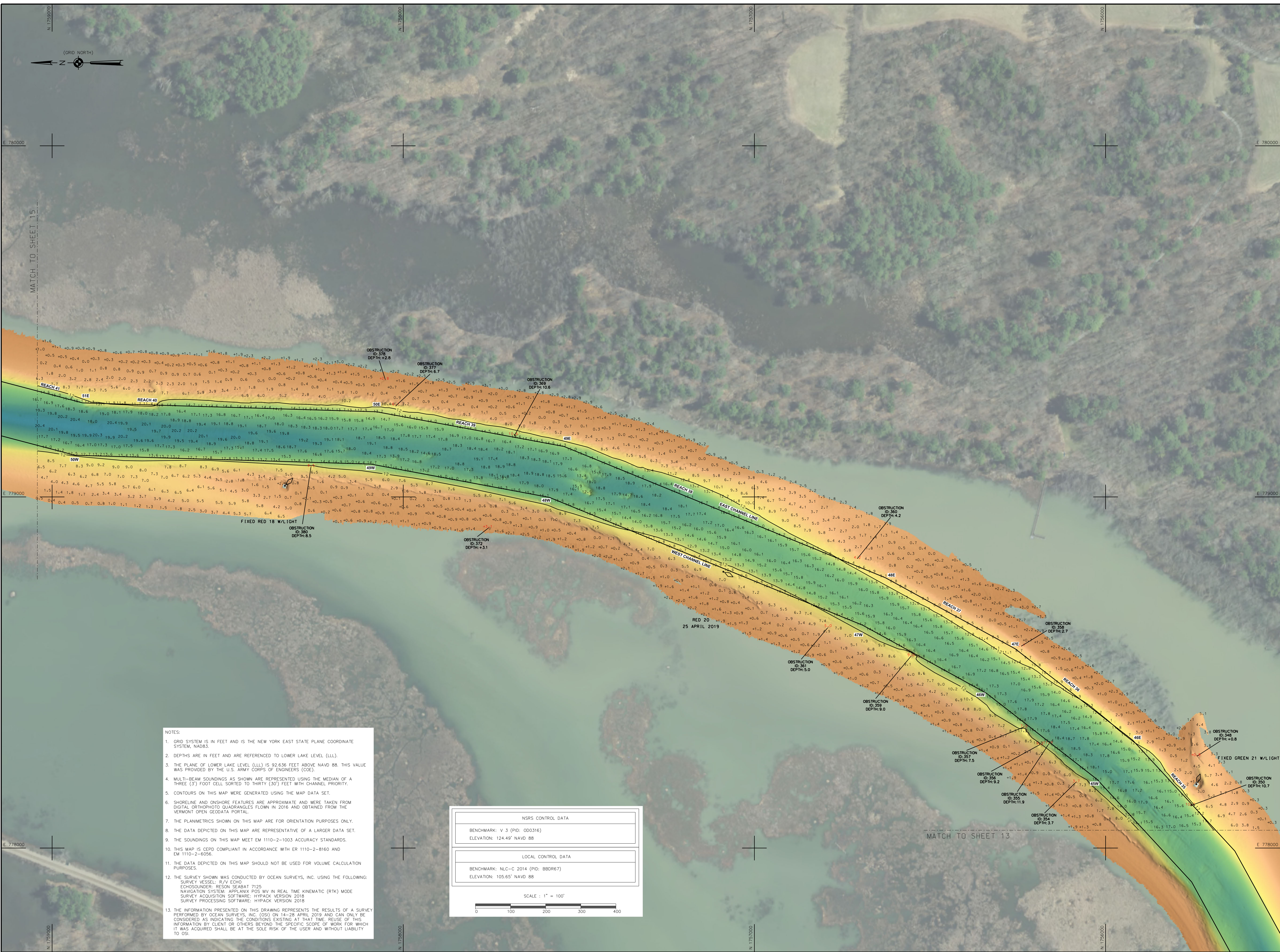


[illegible]

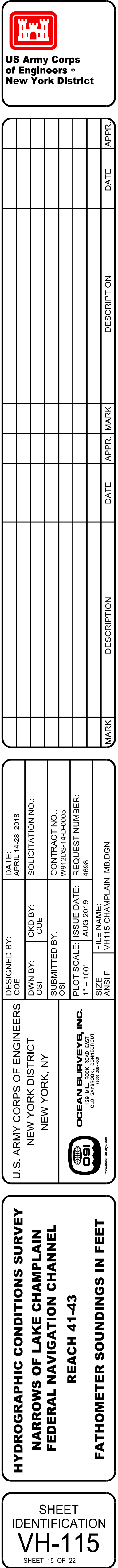
 <b>OCEAN SURVEYS, INC.</b> <small>AN ISO 9001:2015 CERTIFIED COMPANY</small>		<b>DESIGNED BY:</b> DATE: 11-23-2018 <b>ISSUED BY:</b>	
<b>U.S. ARMY CORPS OF ENGINEERS</b> <b>NEW YORK DISTRICT</b> <b>NEW YORK, NY</b>		<b>SOLICITATION NO.:</b> V011205-14-D-0005 <b>CONTRACT NO.:</b>	
<b>DRAWN BY:</b> CWD BY: COE <b>SUBMITTED BY:</b>		<b>ISSUE DATE:</b> 11-23-2018 <b>FILE NAME:</b> 4486 <b>SIZE:</b> 1 MB <b>ANSI F:</b> V1114CHAMPAIN_MB.DGN	

**HYDROGRAPHIC CONDITIONS SURVEY  
NARROWS OF LAKE CHAMPLAIN  
FEDERAL NAVIGATION CHANNEL  
REACH 35-41  
FATHOMETER SOUNDINGS IN FEET**

SHEET  
IDENTIFICATION  
**VH-114**  
SHEET 14 OF 22










[illegible]

DESIGNED BY: COE	DATE: APRIL 14/28, 2018
DWGN BY: OSI	SOLICITATION NO.:
SUBMITTED BY: OSI	CONTRACT NO.: W912DS-14-D-0005
PLOT SCALE: 1" = 100'	REQUEST NUMBER: 4698
SIZE: ANSI F	FILE NAME: VH116-CHAMPLAIN_MB.DGN

**U.S. ARMY CORPS OF ENGINEERS**  
NEW YORK DISTRICT  
NEW YORK, NY

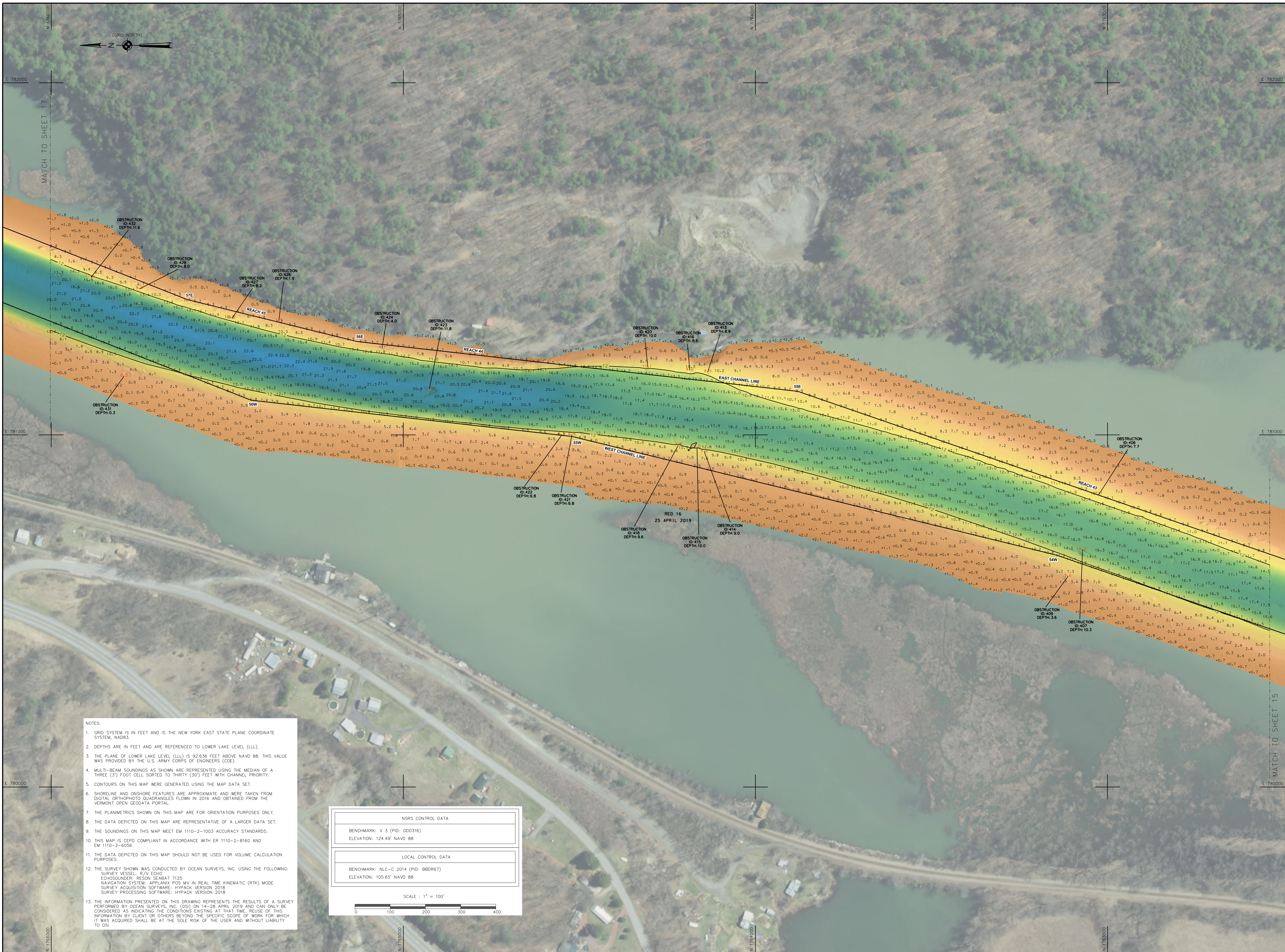
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**OCEAN SURVEYS, INC.**  
129 MILL ROCK ROAD EAST  
OLD SAYBROOK, CONNECTICUT  
(860) 386-4433

we monitor all your work

# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 43-45 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-116**  
SHEET 16 OF 22





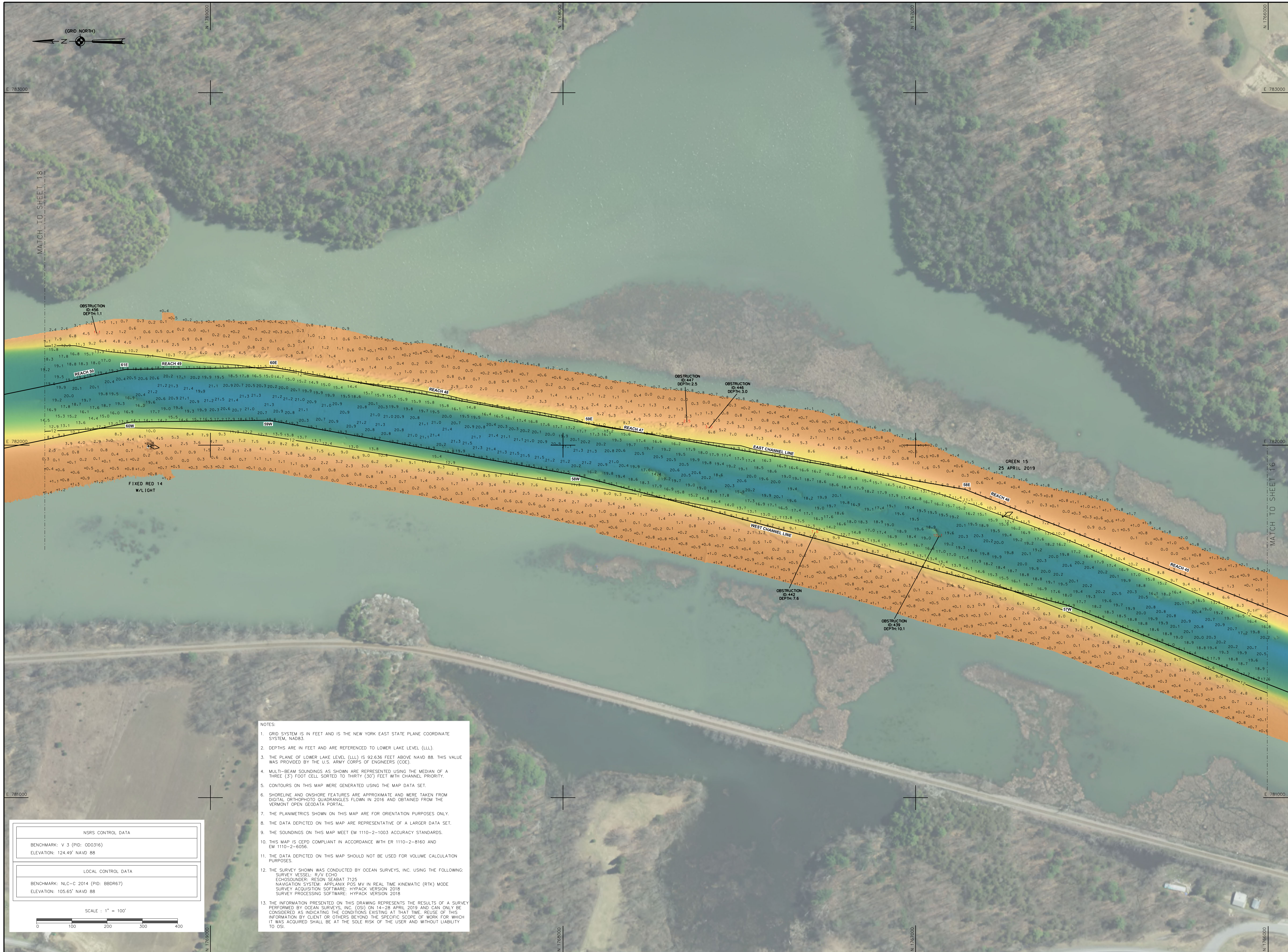
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DESIGNED BY: COE	DATE: APRIL 14-28, 2018
DWGN BY: OSI	SOLICITATION NO.:
SUBMITTED BY:	CONTRACT NO.: WH12D5-14-D-0005
PLOT SCALE: 1" = 100'	REQUEST NUMBER: 4686
SIZE: ANSI F	FILE NAME: VH117-CHAMPLAIN_MB.DGN

U.S. ARMY CORPS OF ENGINEERS  
NEW YORK DISTRICT  
NEW YORK, NY


# HYDROGRAPHIC CONDITIONS SURVEY NARROWS OF LAKE CHAMPLAIN FEDERAL NAVIGATION CHANNEL REACH 45-50 FATHOMETER SOUNDINGS IN FEET

SHEET  
IDENTIFICATION  
**VH-117**  
SHEET 17 OF 22

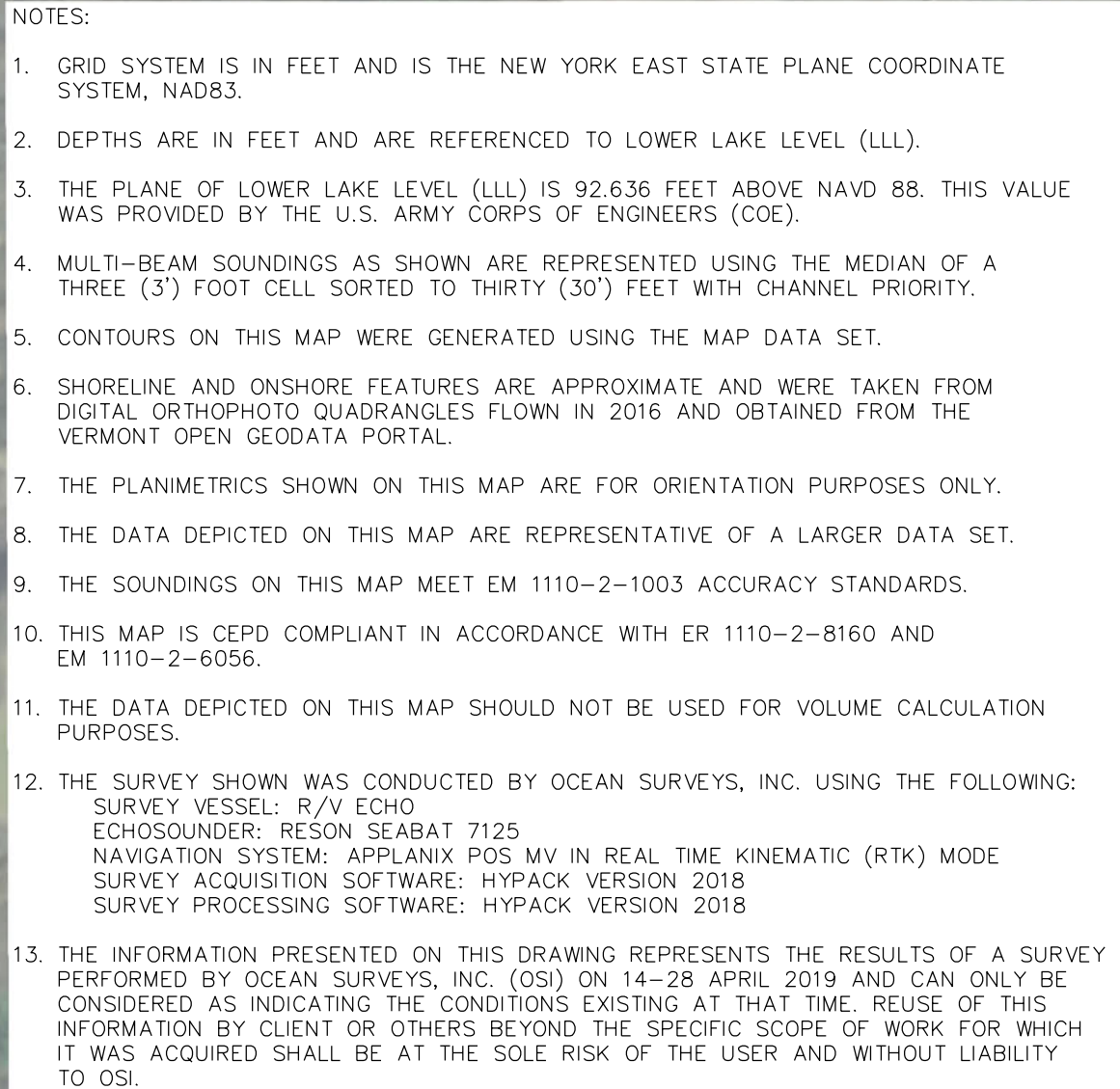







 <b>OCEAN SURVEYS, INC.</b> <small>AN ISO 9001:2015 CERTIFIED COMPANY</small>		<b>DESIGNED BY:</b> DATE: 11-23-2018 <b>CONTRACT NO.:</b>	
<b>U.S. ARMY CORPS OF ENGINEERS</b> <b>NEW YORK DISTRICT</b> <b>NEW YORK, NY</b>		<b>SUBMITTED BY:</b>	
<b>DRAWN BY:</b>	<b>CMD BY:</b>	<b>CONTRACT NO.:</b>	<b>ISSUE DATE:</b>
<b>CSI</b>	<b>CSI</b>	<b>WM1205-14-0-0005</b>	<b>11/23/2018</b>
<b>FILE NAME:</b>		<b>SIZE:</b>	
<b>ANSI F</b>		<b>4896</b>	
<b>ANSI F</b>		<b>WM1205-14-0-0005</b>	

SHEET  
IDENTIFICATION  
**VH-118**  
SHEET 18 OF 22



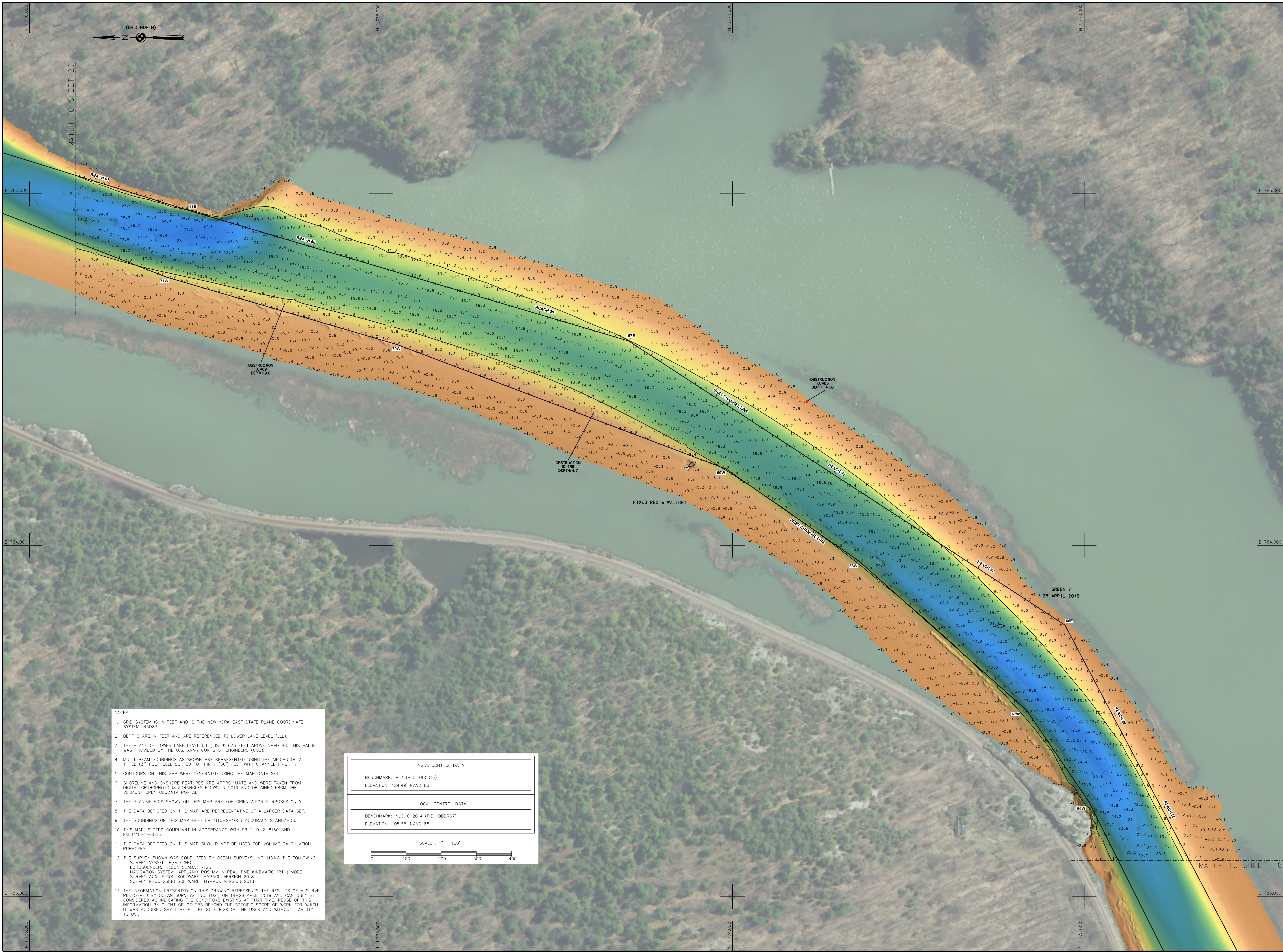


[illegible]

 <b>OCEAN SURVEYS, INC.</b> <small>AN ISO 9001:2015 CERTIFIED COMPANY</small>		<b>DESIGNED BY:</b> DATE: 11-23-2018 <b>DRAWN BY:</b> CWD BY: SOLICITATION NO.: <b>SUBMITTED BY:</b> CONTRACT NO.:	
<b>FILE NAME:</b> 11-23-2018 <b>SIZE:</b> 4696 <b>ANSI F:</b> 11-23-2018		<b>ISSUE DATE:</b> 11-23-2018 <b>PROJECT NO.:</b> 11-23-2018 <b>PROJECT NAME:</b> 11-23-2018	

**HYDROGRAPHIC CONDITIONS SURVEY  
NARROWS OF LAKE CHAMPLAIN  
FEDERAL NAVIGATION CHANNEL  
REACH 55-61  
FATHOMETER SOUNDINGS IN FEET**

SHEET  
IDENTIFICATION  
**VH-119**  
SHEET 19 OF 22







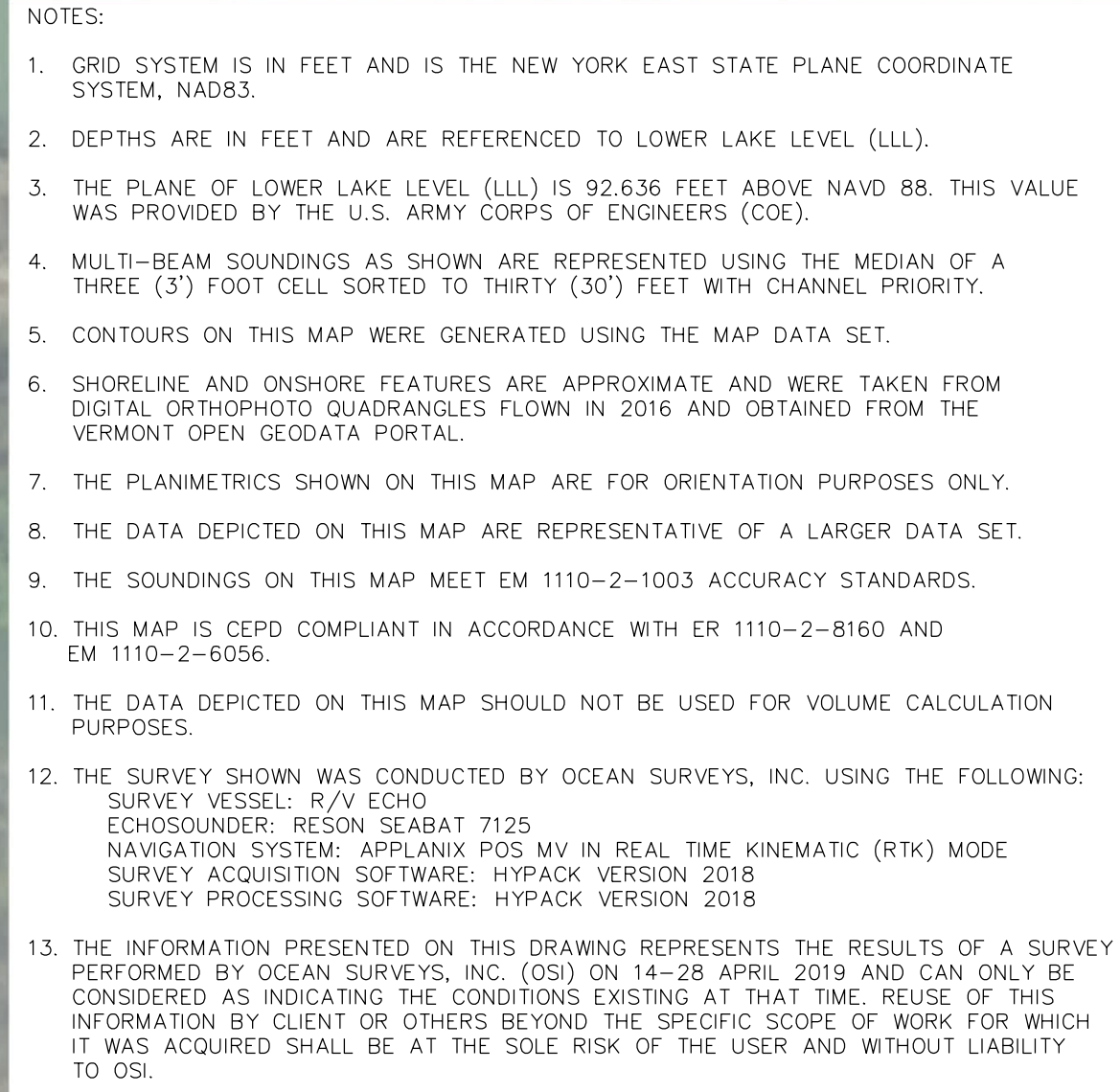
DESIGNED BY: CODE	DATE: APRIL 14-28, 2018
DWGN BY: OSI	SOLICITATION NO.:
SUBMITTED BY: OSI	CONTRACT NO.: W912DS-14-D-0005
PLOT SCALE: 1" = 100'	REQUEST NUMBER: 4698
SIZE: ANSI F	FILE NAME: VH120-CHAMPLAIN_MB.DGN



**OCEAN SURVEYS, INC.**  
129 MILL ROCK ROAD EAST  
OLD SAYBROOK, CONNECTICUT  
(860) 386-4330



SHEET  
IDENTIFICATION  
**VH-120**  
SHEET 20 OF 22








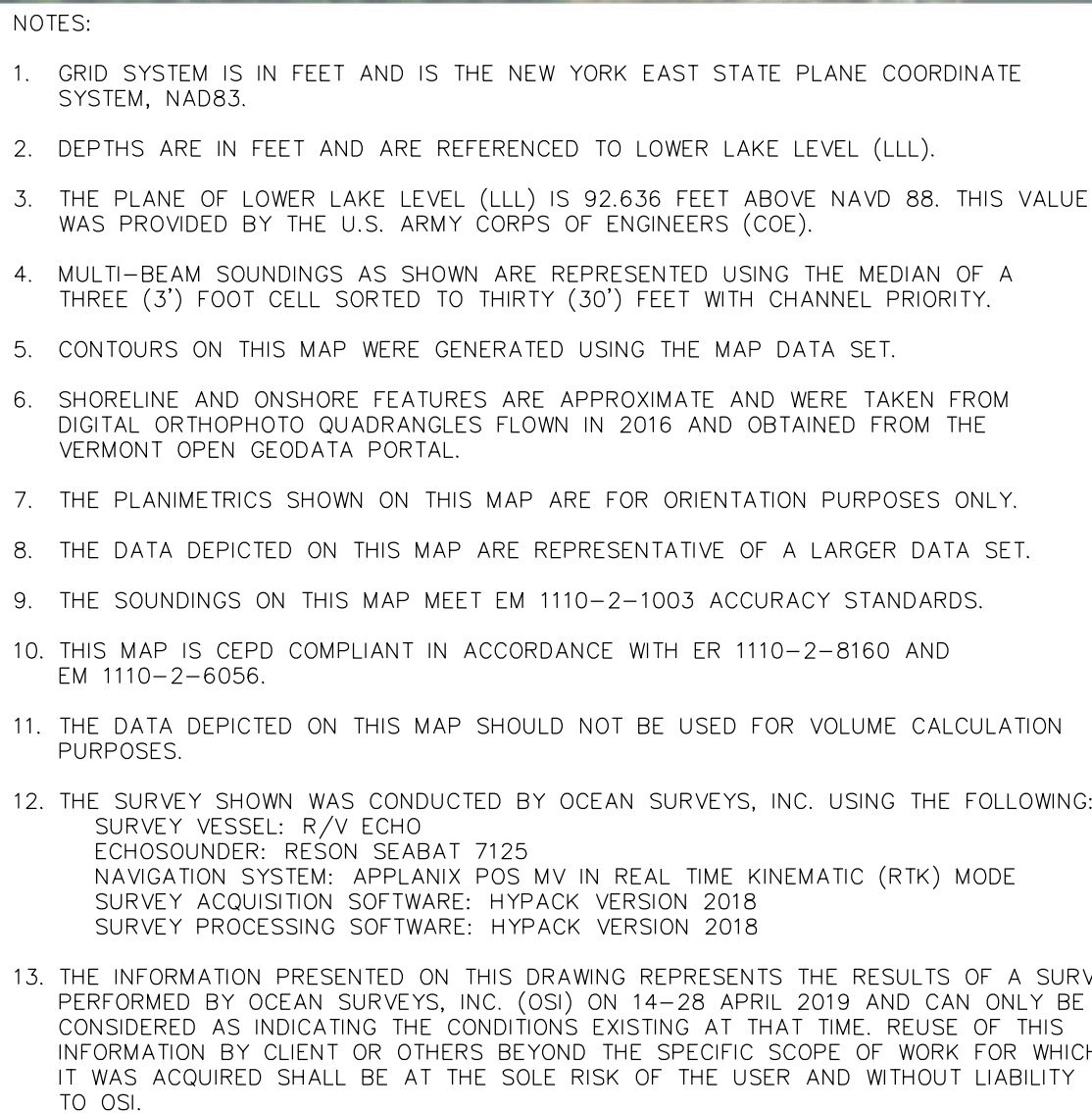
SHEET  
IDENTIFICATION  
**VH-121**  
SHEET 21 OF 22





 <b>OCEAN SURVEYS, INC.</b> 1000 WEST 10TH AVENUE, SUITE 100 DENVER, CO 80202-1500 TEL: 303.733.0800 FAX: 303.733.0801 WWW.OCEANSURVEYS.COM		U.S. ARMY CORPS OF ENGINEERS NEW YORK DISTRICT NEW YORK, NY	
DESIGNED BY:	DATE:	CONTRACT NO.:	DATE:
DRAWN BY:	10/12/2018	14-0328, 2018	
CKD BY:			
COE:			
SUBMITTED BY:	ISSUE DATE:	ISSUE NO.:	REVISION:
CSI	10/12/2018	4486	4486
FILE NO.:	FILE NAME:	SHEET:	SHEET:
ANSI F	V1122-CHAMPLAIN_M8.DGN	1	1

SHEET  
IDENTIFICATION  
**VH-122**  
SHEET 22 OF 22



The figure is an aerial photograph of a coastal area. A scale bar at the bottom indicates a scale of 1" = 100', with markings at 0, 100, 200, 300, and 400 feet. A north arrow is located in the upper right corner. A rectangular area is outlined in the center of the photograph, representing the study area. The area is divided into several sections, some of which are labeled with text. The text includes 'NRSR CONTROL DATA', 'BENCHMARK: V 3 (PID: OD0316)', 'ELEVATION: 124.49' NAVD 88', 'LOCAL CONTROL DATA', and 'BENCHMARK: NLC-C 2014 (PID: BBDR67)'.