NSRS CONTROL DATA
BENCHMARK: CATSKILL (PID: MZ0767)
ELEVATION: 46.20' NAVD 88

LOCAL CONTROL DATA
BENCHMARK: WAN RM 1 (PID: BBDQ85)
ELEVATION: 8.06' NAVD 88

SCALE : 1" = 100'

0 100 200 300 400

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 NATIONAL GEODETIC VERTICAL DATUM 1929 (NGVD 29).
3. THE PLANE OF NGVD 29 IS 0.8 FEET BELOW NORTH AMERICAN VERTICAL DATUM 1988 (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 A 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 ORTHOPHOTO QUADRANGLES FLOWN IN 2016 AND OBTAINED FROM THE NEW YORK STATE GIS CLEARINGHOUSE (NYSGIS).
7. THE PLANIMETRICS AND ORTHO PHOTOS 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 1110-2-8160 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 SURVEYS, INC. USING THE FOLLOWING:
    SURVEY VESSEL: R/V ECHO
    ECHOSOUNDER: RESON SEABAT 8125
    NAVIGATION SYSTEM: APPLANIX POSMV IN REAL TIME KINEMATIC (RTK) MODE
    SURVEY ACQUISITION SOFTWARE: HYPACK VERSION 2018
    SURVEY PROCESSING SOFTWARE: HYPACK VERSION 2018
13. THE INFORMATION PRESENTED ON THIS DRAWING REPRESENTS THE RESULTS OF A SURVEY PERFORMED BY OCEAN SURVEYS, INC. (OSI) ON 27-28 JUNE 2019 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 LIABILITY TO OSI.

US Army Corps of Engineers®
New York District

MARK	DESCRIPTION	DATE	APPR.	MARK	DESCRIPTION	DATE	APPR.

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

OCEAN SURVEYS, INC.
A Fugro Company
225 Sarbrook, Connecticut
New Haven

DESIGNED BY: COE
DWN BY: OSI
CKD BY: COE
SUBMITTED BY: OSI
DATE: JUNE 27-28, 2019
SOLICITATION NO.:
CONTRACT NO.: W912DS-19-C-0006
PLOT SCALE: 1" = 100'
ISSUE DATE: SEPT 2019
REQUEST NUMBER: 4945
SIZE: ANSI F
FILE NAME: VH101-CATSKILL_MB.DGN

HYDROGRAPHIC CONDITIONS SURVEY
CATSKILL CREEK
FEDERAL NAVIGATION CHANNEL
REACH 1-2
FATHOMETER SOUNDINGS IN FEET

SHEET IDENTIFICATION
VH-101
SHEET 1 OF 2

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NSRS CONTROL DATA
BENCHMARK: CATSKILL (PID: MZ0767)
ELEVATION: 46.20' NAVD 88

LOCAL CONTROL DATA
BENCHMARK: WAN RM 1 (PID: BBDQ85)
ELEVATION: 8.06' NAVD 88

SCALE : 1" = 100'

0 100 200 300 400

US Army Corps of Engineers ®
New York District

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

DESIGNED BY: COE
DWN BY: OSI
CKD BY: COE
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DATE: JUNE 27-28, 2019
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CONTRACT NO.:
W912HQ-19-A-0025
REQUEST NUMBER: 4845

OCEAN SURVEYS, INC.
55 OLD SAYBROOK ROAD
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www.oceansurveys.com

HYDROGRAPHIC CONDITIONS SURVEY
CATSKILL CREEK
FEDERAL NAVIGATION CHANNEL
REACH 2-9
FATHOMETER SOUNDINGS IN FEET

SHEET IDENTIFICATION
VH-102
SHEET 2 OF 2