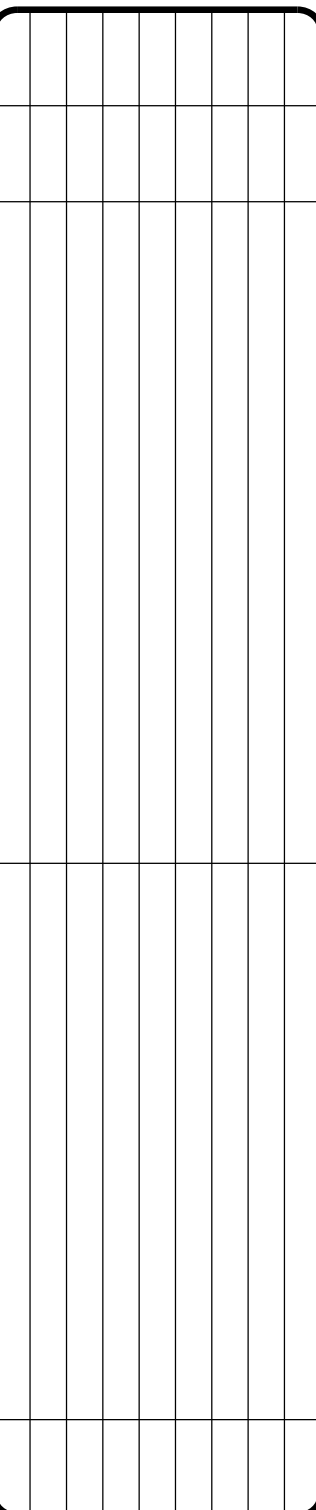




SCALE:	DATES OF SURVEY:
NONE	4,6,11-13,18,24,26 OCT 18,22,29 NOV 29-30 DEC 2011 3-5, 10-11 JAN 13 FEB 2012
FIELD BOOKS:	FILE NO.: 267 REQUEST NO.: 37489/N2

DEPARTMENT OF THE ARMY
HEADQUARTERS
CORPS OF ENGINEERS
NEW YORK, NEW YORK 102118

OPERATIONS DIVISION
SURVEY SECTION
CENNA40-S

APPROVED: D. SMITH'S, DYKIEWITZ
FOR ASSISTANT CHIEF OF STAFF

APPROVED: M. FORTE
CHIEF, ENGINEERING TROOP/COM

APPROVED: J.A. MRAZ
MAJ GEN

APPROVED: F. POSTUGLOVE
CHIEF OF STAFF

DATE: 17 FEBRUARY 2012

HUDSON RIVER CHANNEL
NEW YORK
CONDITION SURVEY

VH-101

SHEET 1 OF 1

LOCAL	CONTROL	DATA
BENCHMARK: CHECKMATE		
ELEVATION: 5.58' NAVD (88)		

N.S.R.S. BENCHMARK	DATA
BENCHMARK: HIGHWOOD 3 1932 (PID KV4023)	
ELEVATION: 167.19' NAVD (88)	

NOTES:

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED THE GENERAL CONDITIONS AT THAT TIME.

"THE PLANIMETRICS ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY."

COORDINATES REFER TO THE LONG ISLAND LAMBERT SYSTEM (NAD 1983).

SOUNDINGS REFER TO THE PLANE OF MEAN LOWER LOW WATER (MLLW).

FROM GOVERNOR'S ISLAND MILE MARKER 0.0, 2.8' (BELOW NAVD83) -TO- MILE MARKER 10.2, (2.3' BELOW NAVD83).

THE PLANE OF MEAN LOWER LOW WATER (MLLW) EPOCH (1983 - 2001) IS AS DEFINED IN NOAA'S VDATUM 2.2.5 (NEW YORK HARBOR - NEW JERSEY, VERSION 02)

THIS MAP IS CEPD COMPLIANT.

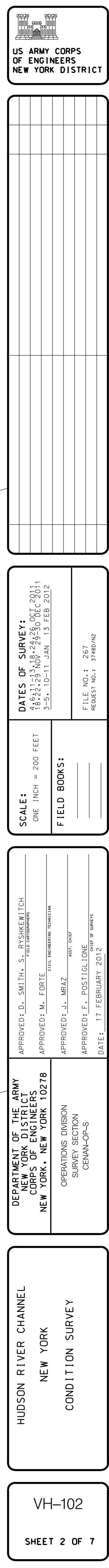
THE SOUNDING DATA DEPICTED ON THIS MAP WAS COLLECTED USING PROJECT CLASSIFICATION- GENERAL, AS DEFINED IN EN 1110-2-11003.

THE DATA ON THIS MAP REPRESENTS THE SOUNDING CLOSEST TO THE CENTER OF A 30' CELL USING THE COMPLETE DATA SET.

THE CONTOUR ON THIS MAP WAS CREATED FROM THE MAP DATA SET.

THE DATA ON THIS MAP IS REPRESENTATIVE OF A LARGER DATA SET.

THIS SURVEY WAS PERFORMED USING RTK FROM STATION CAVEN POINT, HOBOKEN AND HIGHWOOD 3.





[illegible]

SCALE: ONE INCH = 200 FEET	FIELD BOOKS: _____ _____ _____
DATES OF SURVEY: 4-6-11-13, 18-24, 26 OCT 2011 18-22, 29 NOV 20-30 DEC 2011 3-5, 10-11 JAN 13 FEB 2012	FILE NO.: 267 REQUEST NO.: 51480/N2

APPROVED: J. SMITH JUNIOR, NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	APPROVED: M. FORBES SENIOR, NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	APPROVED: J. MRAZ SENIOR, NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	APPROVED: F. POSTIGLIONE SENIOR, NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278
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HUDSON RIVER CHANNEL
NEW YORK
CONDITION SURVEY

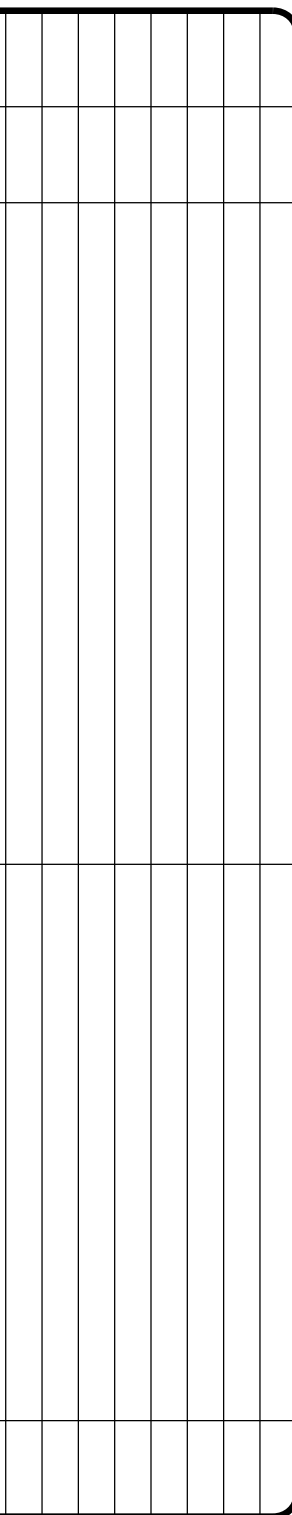
VH-104

SHEET 4 OF 7



US ARMY CORPS OF ENGINEERS
NEW YORK DISTRICT

SCALE: ONE INCH = 200 FEET		DATES OF SURVEY: 18-22-23 NOV 29-30 DEC 2011 3-5, 10-11 JAN 13 FEB 2012	
FIELD BOOKS:		FILE NO.: 1 267 PROJECT NO.: 174602	
APPROVED: D. SMITH, S. BYSHEWITCH PROJECT MANAGER		APPROVED: J. WITZ DATE: 11 FEBRUARY 2013	
APPROVED: M. FORTI VLS OPERATIONS MANAGER		APPROVED: J. WITZ DATE: 11 FEBRUARY 2013	
APPROVED: J. WITZ DATE: 11 FEBRUARY 2013		APPROVED: J. WITZ DATE: 11 FEBRUARY 2013	
DEPARTMENT OF THE ARMY NEW YORK DISTRICT NEW YORK 10278		OPERATIONS DIVISION SCENARIOS GERMAN-OPS	
HUDSON RIVER CHANNEL NEW YORK CONDITION SURVEY		VH-107 SHEET 5 OF 7	



SCALE:
ONE INCH = 200

FIELD BOOKS:

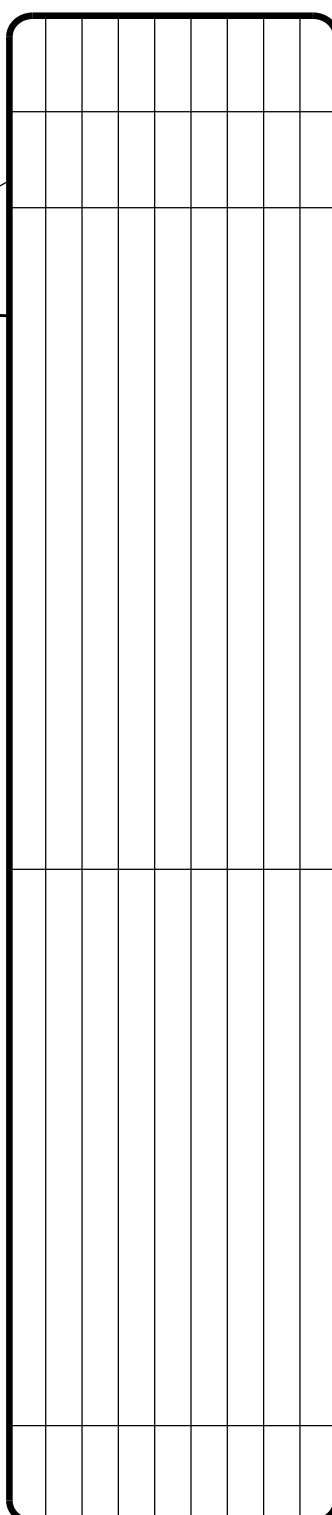
NEW YORK DISTRICT
CORPS OF ENGINEERS
NEW YORK, NEW YORK 10278

OPERATIONS DIVISION
SURVEY SECTION
CENAN-OP-S

VH-106

SHEET 6 OF 7





SCALE: ONE INCH = 200 FEET	DATES OF SURVEY: 4.6-11-13, 18, 24-26 OCT 18-22-29 NOV 29-30 DEC 2011 3-5, 10-11 JAN 13 FEB 2012
FIELD BOOKS: _____ _____ _____	FILE NO.: 267 REQUEST NO.: 37480/02

DEPARTMENT OF THE ARMY NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278	APPROVED: D. SMITH/S. RYSKIEWITCH APPROVED: M. FORTE APPROVED: J. MRAZ APPROVED: F. POSTOLONE DATE: 17 FEBRUARY 2012
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HUDSON RIVER CHANNEL
NEW YORK
CONDITION SURVEY

VH-107

HEET 7 OF 7