

LOCAL CONTROL DATA	
BENCHMARK: AJD 10024	
ELEVATION: 13.02 NAVD 1988	
<b>NSRS BENCHMARK</b>	
BENCHMARK: B5 (PID: KV0006)	
ELEVATION: 63.49 NAVD 1988	

PROJECT  
METADATA  
DOUBLE CLICK ICON EDGE  
TO VIEW PROJECT METADATA

VH-101

SHEET 1 OF 22

FILE NO.: 1385  
REQUEST NO.: 4412/N3

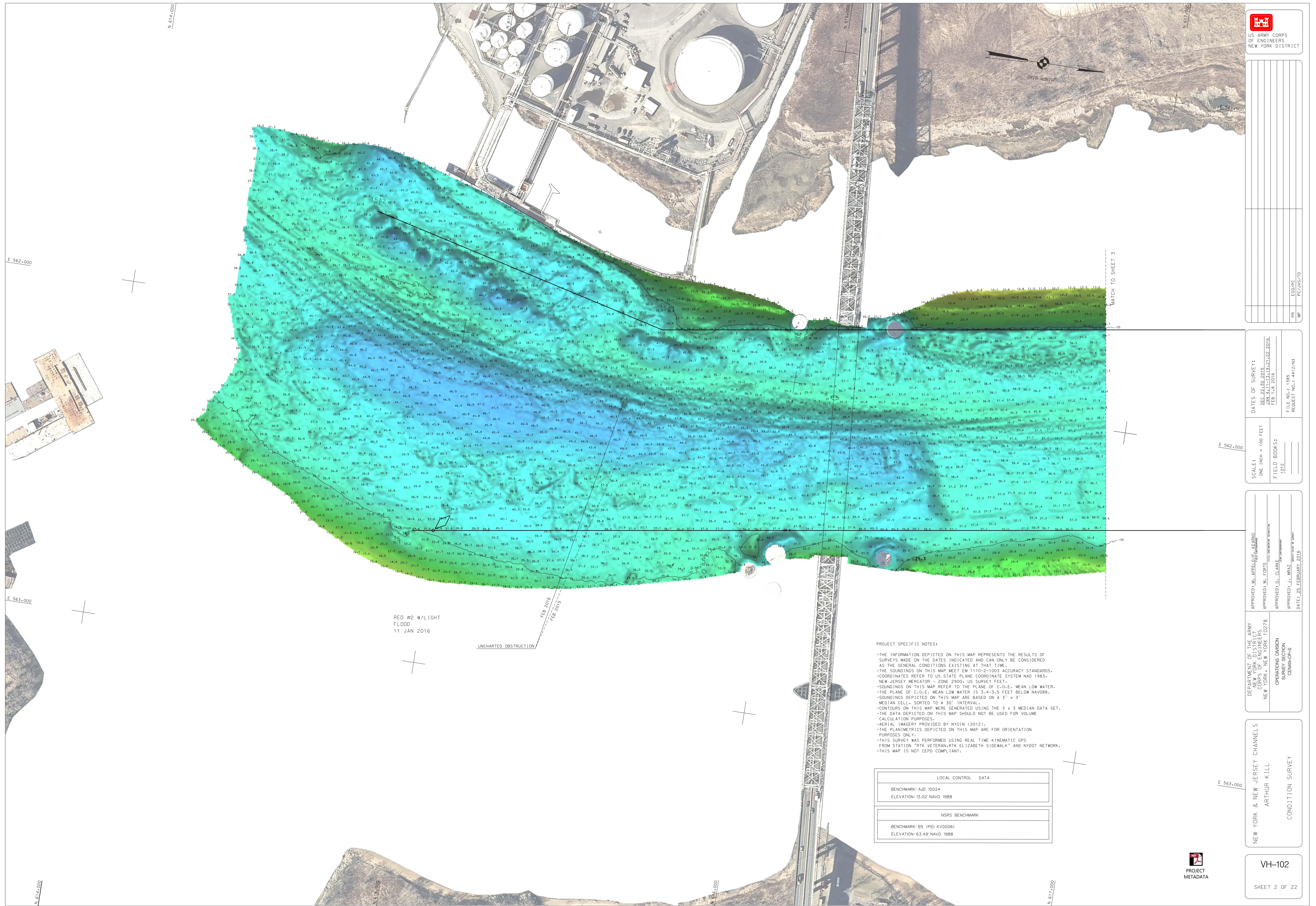
SCALE:	ONE INCH = 100 FEET
FIELD BOOKS:	1012
PR	ESD/PC
MP	RC/HIS/TD

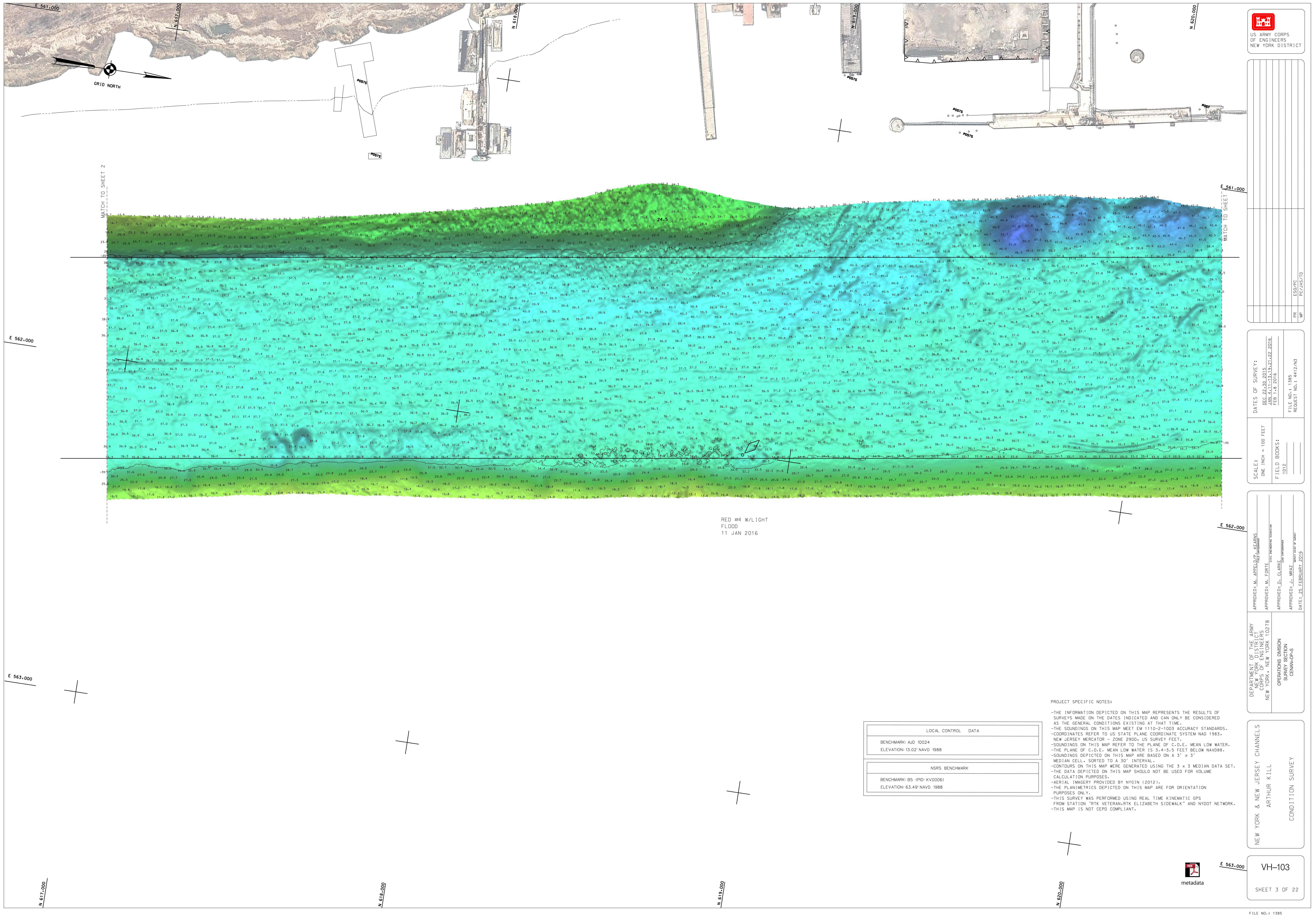
DATES OF SURVEY:  
DEC 22, 2015  
JAN 4, 2016  
FEB 1, 2016

FILE NO.: 1385  
REQUEST NO.: 4412/N3

DEPARTMENT OF THE ARMY APPROVED: M. APFELD /P. KERNS CORPS OF ENGINEERS NEW YORK, NEW YORK 10278 OPERATIONS DIVISION SURVEY SECTION CENAN-OPS	APPROVED: M. FORTE LTC, CHIEF ENGINEER, T-CHIEF APPROVED: D. CLARKE APPROVED: J. MEZ DATE: 25 FEBRUARY 2016
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NEW YORK & NEW JERSEY CHANNELS ARTHUR KILL CONDITION SURVEY
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JECT SPECIFIC NOTES:

HE 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.

HE SOUNDINGS ON THIS MAP MEET EM 1110-2-1003 ACCURACY STANDARDS. COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983 NEW JERSEY MERCATOR - ZONE 2900, US SURVEY FEET.

OUNDINGS ON THIS MAP REFER TO THE PLANE OF C.O.E. MEAN LOW WATER. THE PLANE OF C.O.E. MEAN LOW WATER IS 3.4-3.5 FEET BELOW NAVD88. SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' INTERVAL.

ONTOURS ON THIS MAP WERE GENERATED USING THE 3 x 3 MEDIAN DATA. THE DATA DEPICTED ON THIS MAP SHOULD NOT BE USED FOR VOLUME CALCULATION PURPOSES.

EAL IMAGERY PROVIDED BY NYGIN (2012).

HE PLANIMETRICS DEPICTED ON THIS MAP ARE FOR ORIENTATION PURPOSES ONLY.

HIS SURVEY WAS PERFORMED USING REAL TIME KINEMATIC GPS FROM STATION "RTK VETERAN, RTK ELIZABETH SIDEWALK" AND NYDOT N

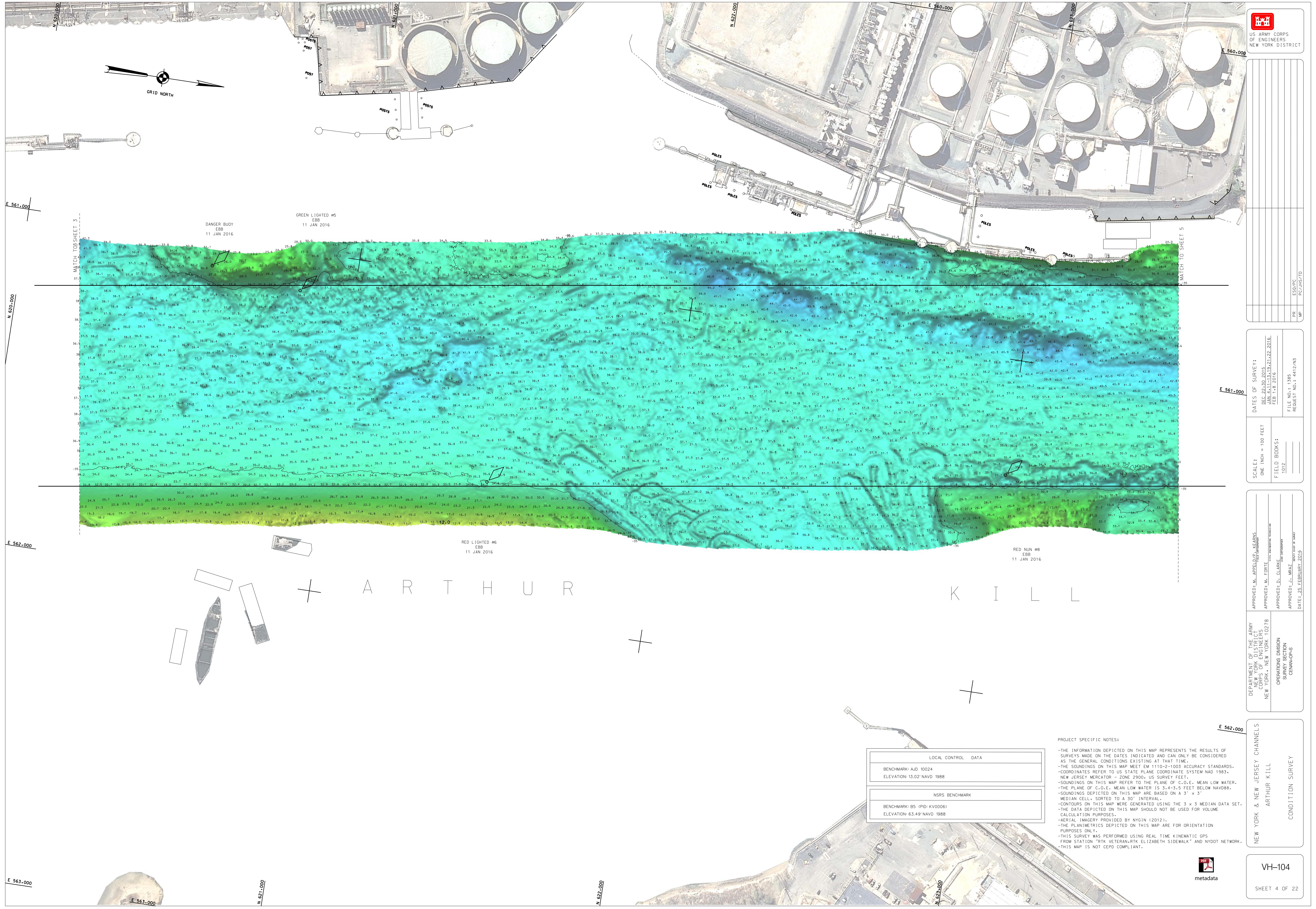
NEW YORK DISTRICT CORPS OF ENGINEERS NEW YORK, NEW YORK 10278		FIELD CARTOGRAPHER
OPERATIONS DIVISION SURVEY SECTION CENAN-OP-S		CIVIL ENGINEERING TECHNICIAN
APPROVED: M. FORTE	APPROVED: D. CLARKE	APPROVED: J. MRAZ
	LEAD CARTOGRAPHER	DEPUTY CHIEF OF SURVEY
DATE: 25 FEBRUARY 2016		

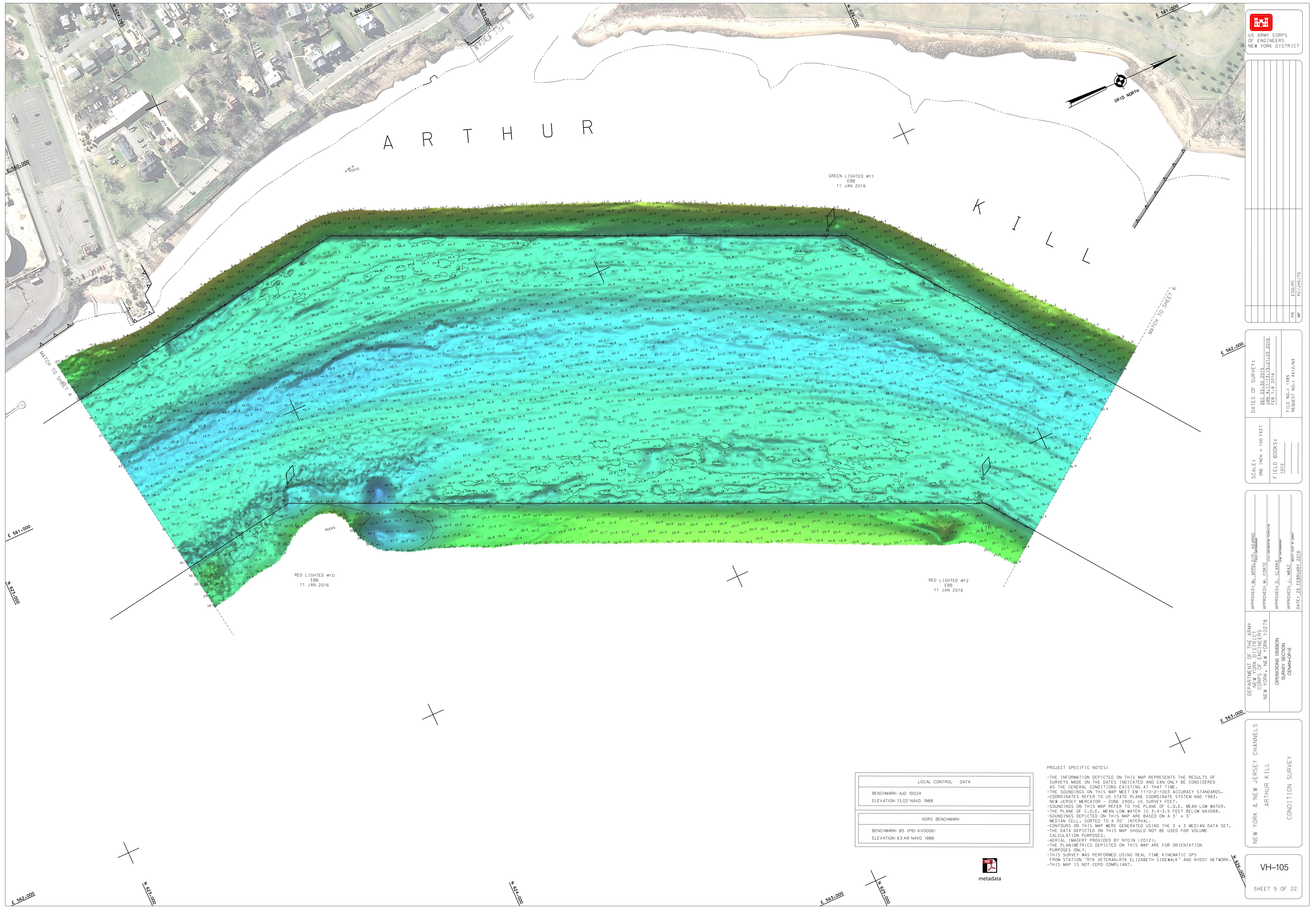
PR	ESQ/PC				
MP	PC/JHS/TD				

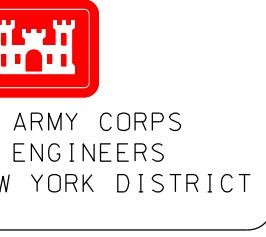
<p>NAME : <u>      </u></p> <p>INCH = 100 FEET</p> <p>FIELD BOOKS : <u>                </u> <u>                </u> <u>                </u> <u>                </u> <u>                </u></p>	<p>DATE SURVLED : <u>                </u></p> <p>DEC 22, 30 2015 JAN 4, 11-13, 19, 21, 22 2016 FEB 1, 8 2016</p>	<p>FILE NO. : 1385 REQUEST NO. : 4412/N3</p>
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APPROVED: <u>M. FORTE</u>	FIELD CARTOGRAPHER
APPROVED: <u>D. CLARKE</u>	CIVIL ENGINEERING TECHNICIAN LEAD CARTOGRAPHER
APPROVED: <u>J. MRAZ</u>	DEPUTY CHIEF OF SURVEY
DATE: <u>25 FEBRUARY 2016</u>	

VH-103





GREEN LIGHTED #13  
EBB  
11 JAN 2016

DATES OF SURVEY:	
DEC 22-30, 2015 FEB 4-11, 11-13, 21-22, 2016	ONE INCH = 100 FEET
FIELD BOOKS:	
1012	PR ESD/PC PC/JHS/TO MP
FILE NO.: 1-1385 REQUEST NO.: 4412/A3	

SCALE:	
ONE INCH = 100 FEET	ONE INCH = 100 FEET
FIELD BOOKS:	
1012	PR ESD/PC PC/JHS/TO MP
APPROVED: M. APPEL D.P., KARNS FEB 22, 2016 CIVIL ENGINEER, CORPS OF ENGINEERS	
APPROVED: M. FORTE FEB 1-8, 2016 CIVIL ENGINEER, CORPS OF ENGINEERS	
APPROVED: D. CLARK FEB 22, 2016 CIVIL ENGINEER, CORPS OF ENGINEERS	
APPROVED: J. WHALZ FEB 22, 2016 DATE: 25 FEBRUARY 2016	

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 SURVEYS WERE MADE ON A MAP BASED ON NAD 1983-2011 ACCURACY STANDARDS.
-COORDINATES REFER TO US STATE PLANE COORDINATE SYSTEM NAD 1983, NEW JERSEY MERCATOR - ZONE 2900. US SURVEY FEET.	-SOUNDINGS ON THIS MAP REFER TO THE PLANE OF C.O.E. MEAN LOW WATER, THE SURVEY DATE, AND ARE 3.4±3.5 FEET BELOW NAVD88.
-SOUNDINGS DEPICTED ON THIS MAP ARE BASED ON A 3' x 3' MEDIAN CELL, SORTED TO A 30' INTERVAL.	-CONTROLS ON THIS MAP WERE GENERATED USING THE 3 x 3 MEDIAN DATA SET.
-AERIAL IMAGERY PROVIDED BY NYGIN (2012).	-THE SURVEYS MADE 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 "RTK VETERAN.RTK ELIZABETH SIDEWALK" AND NYDOT NETWORK.
-THIS MAP IS NOT CEPO COMPLIANT.	-THIS MAP IS NOT CEPO COMPLIANT.

LOCAL CONTROL DATA	
BENCHMARK: AJD 10024 ELEVATION: 13.02' NAVD 1988	APPROVED: M. APPEL D.P., KARNS FEB 22, 2016 CIVIL ENGINEER, CORPS OF ENGINEERS
NSRS BENCHMARK BENCHMARK: B5 (PID: KV0006) ELEVATION: 63.49' NAVD 1988	APPROVED: M. FORTE FEB 1-8, 2016 CIVIL ENGINEER, CORPS OF ENGINEERS

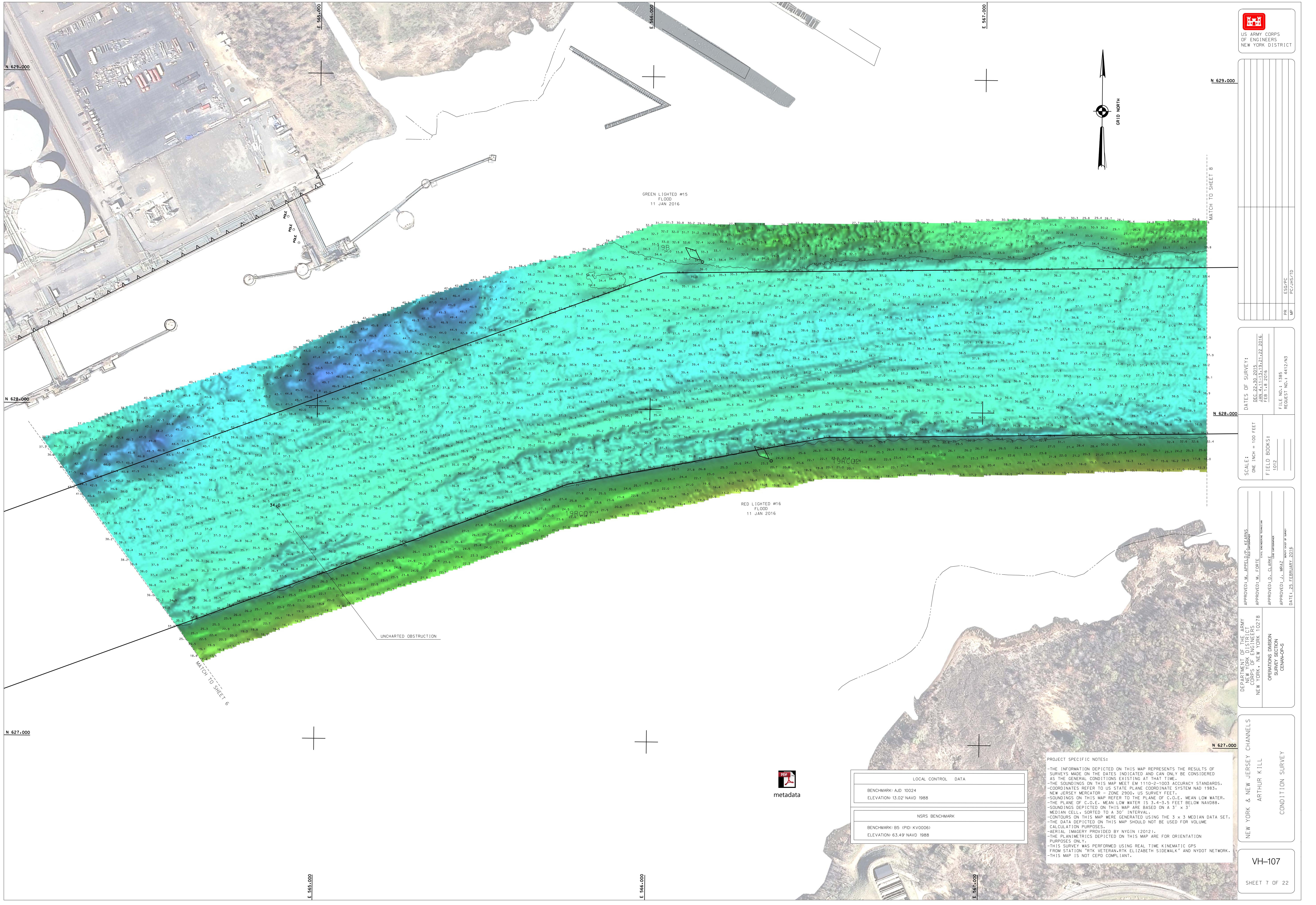
NSRS BENCHMARK	
BENCHMARK: B5 (PID: KV0006) ELEVATION: 63.49' NAVD 1988	APPROVED: D. CLARK FEB 22, 2016 CIVIL ENGINEER, CORPS OF ENGINEERS




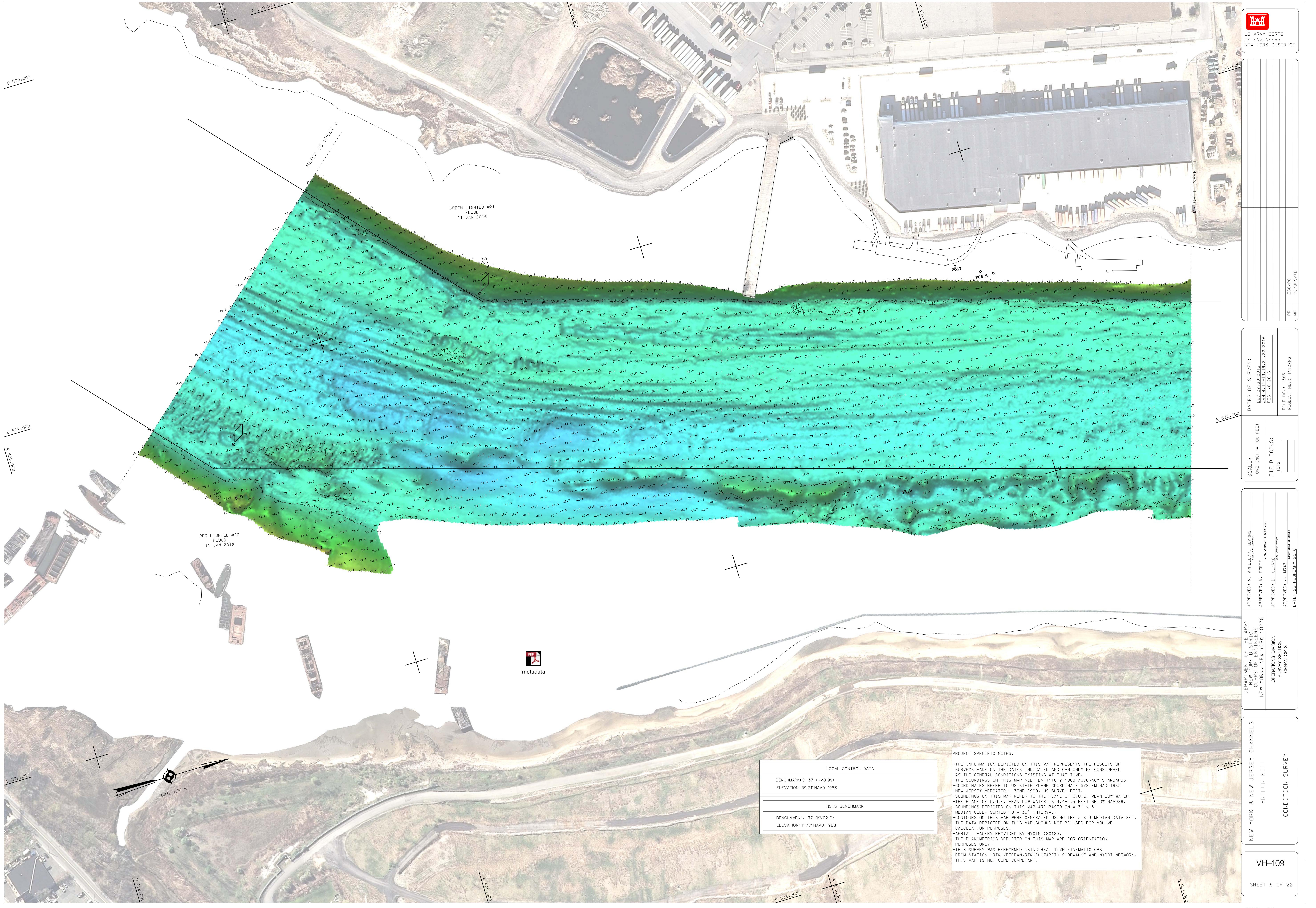
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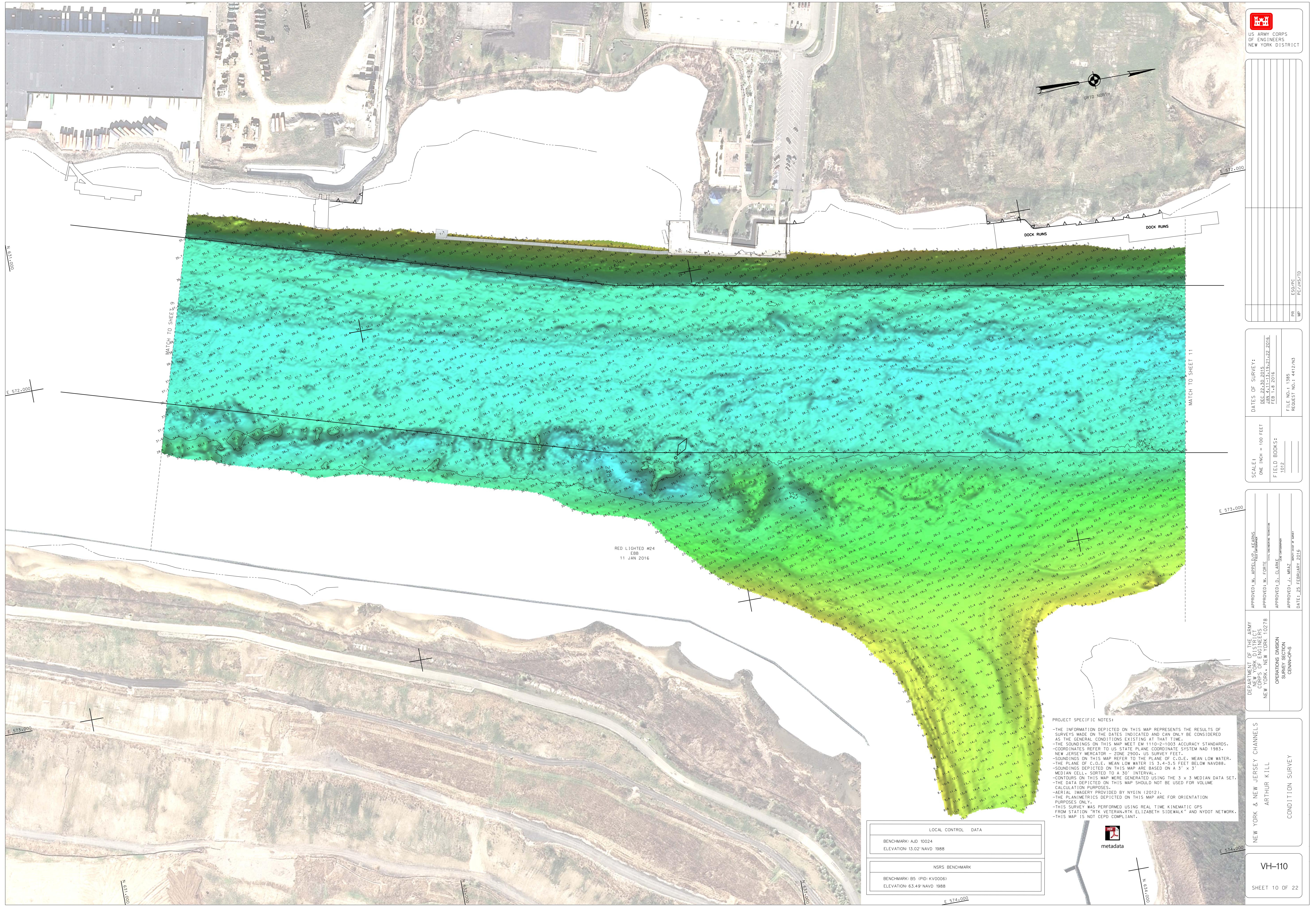
VH-106

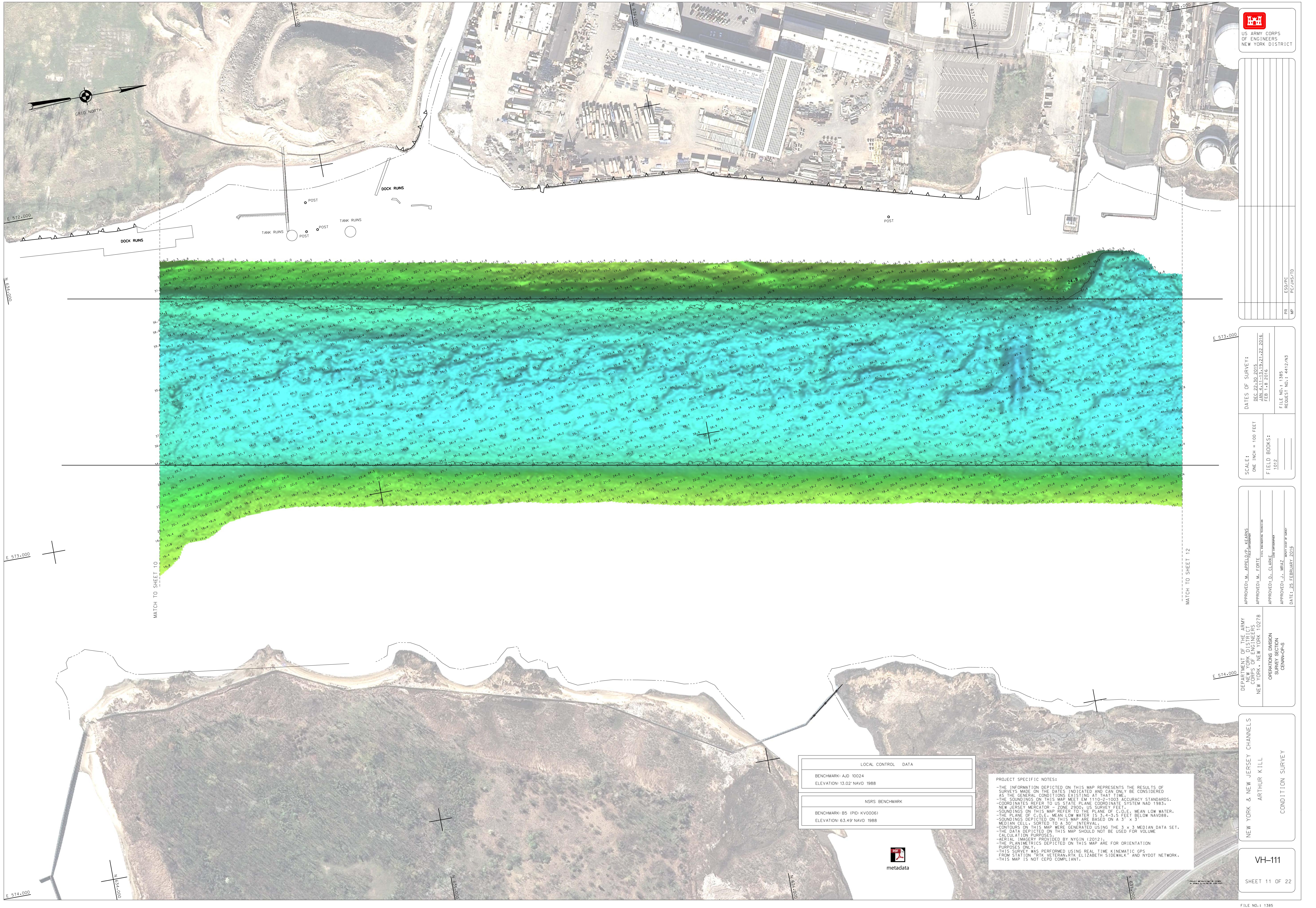
SHEET 6 OF 22

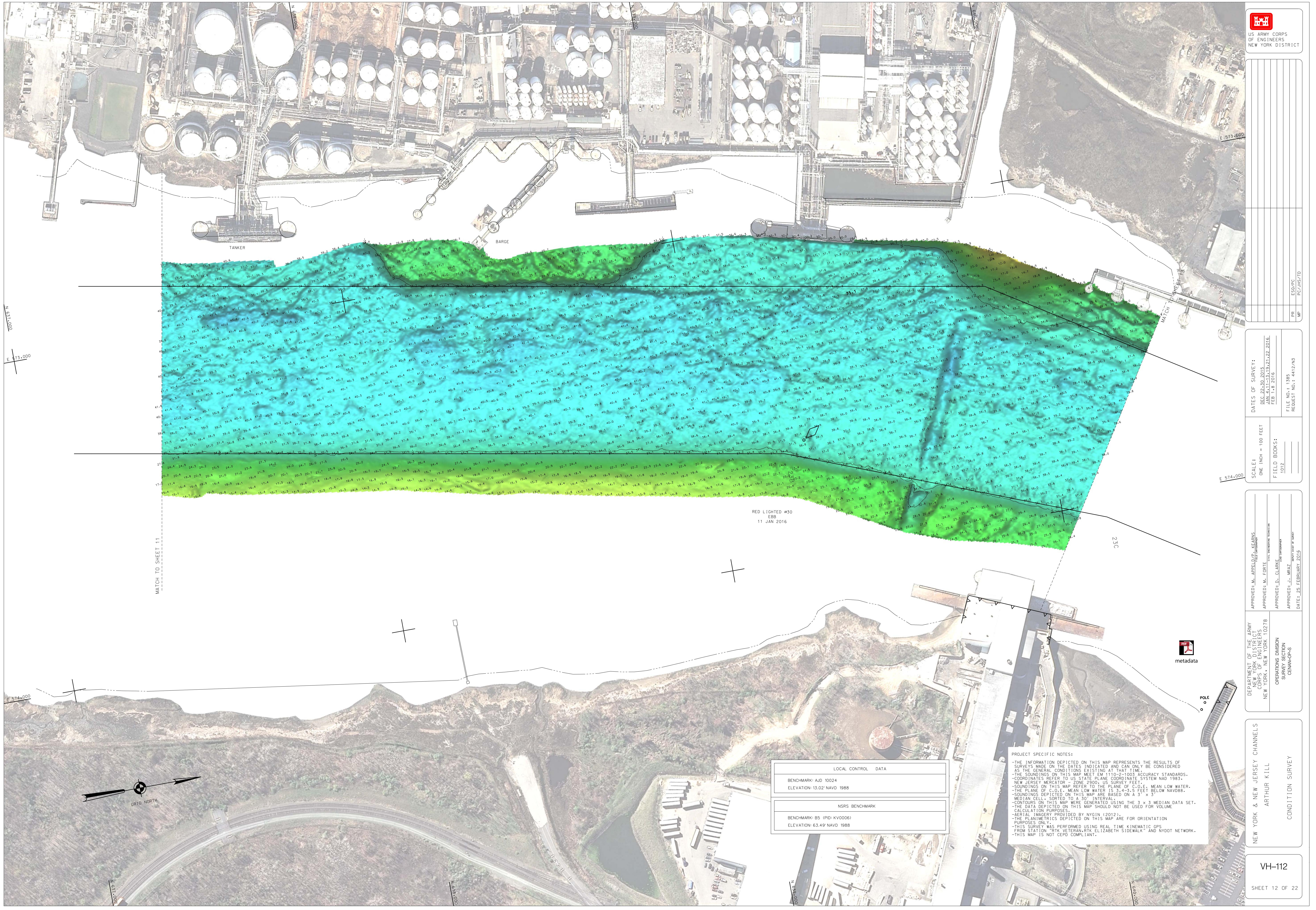
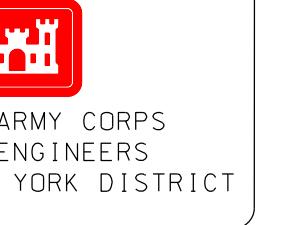


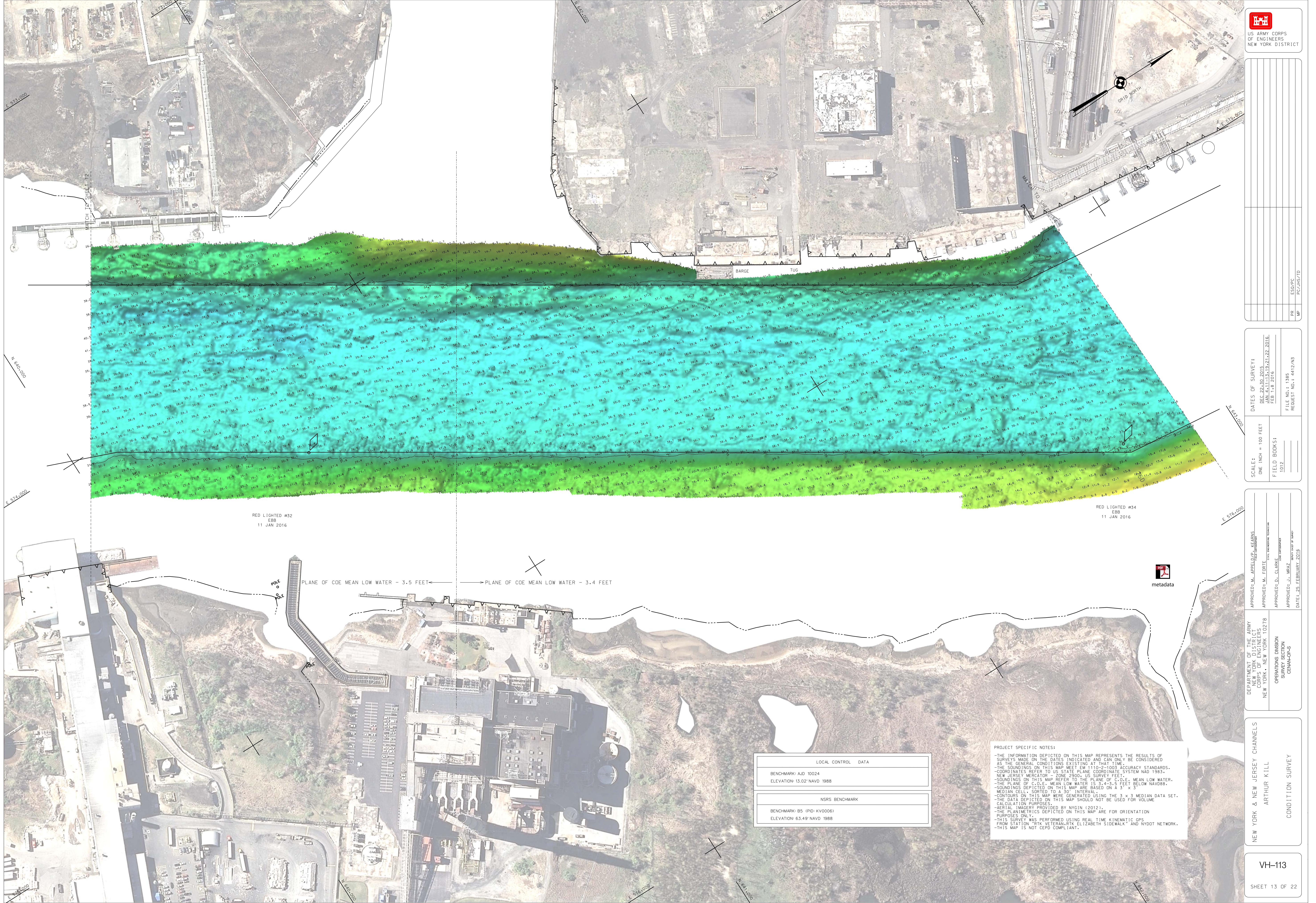


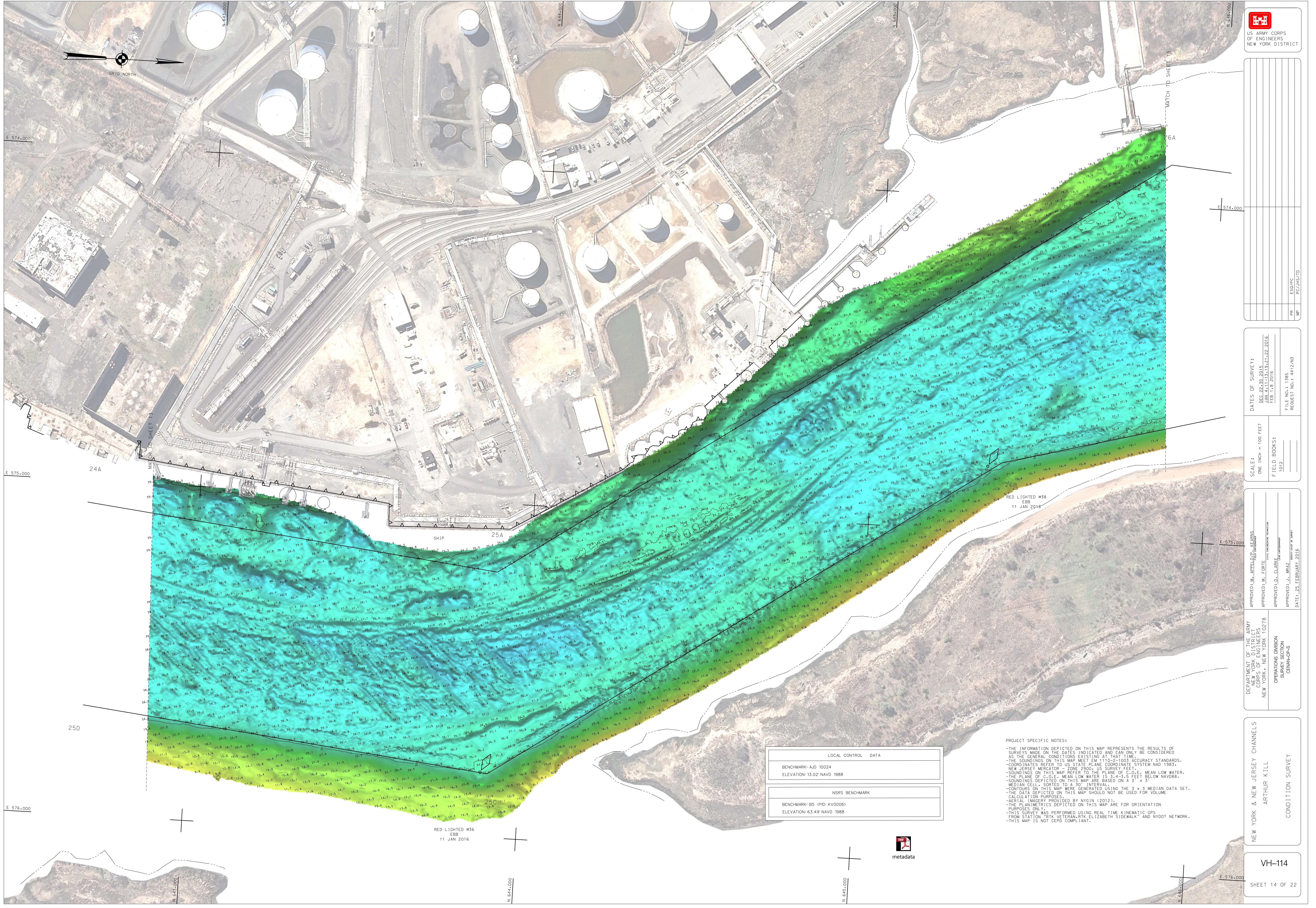


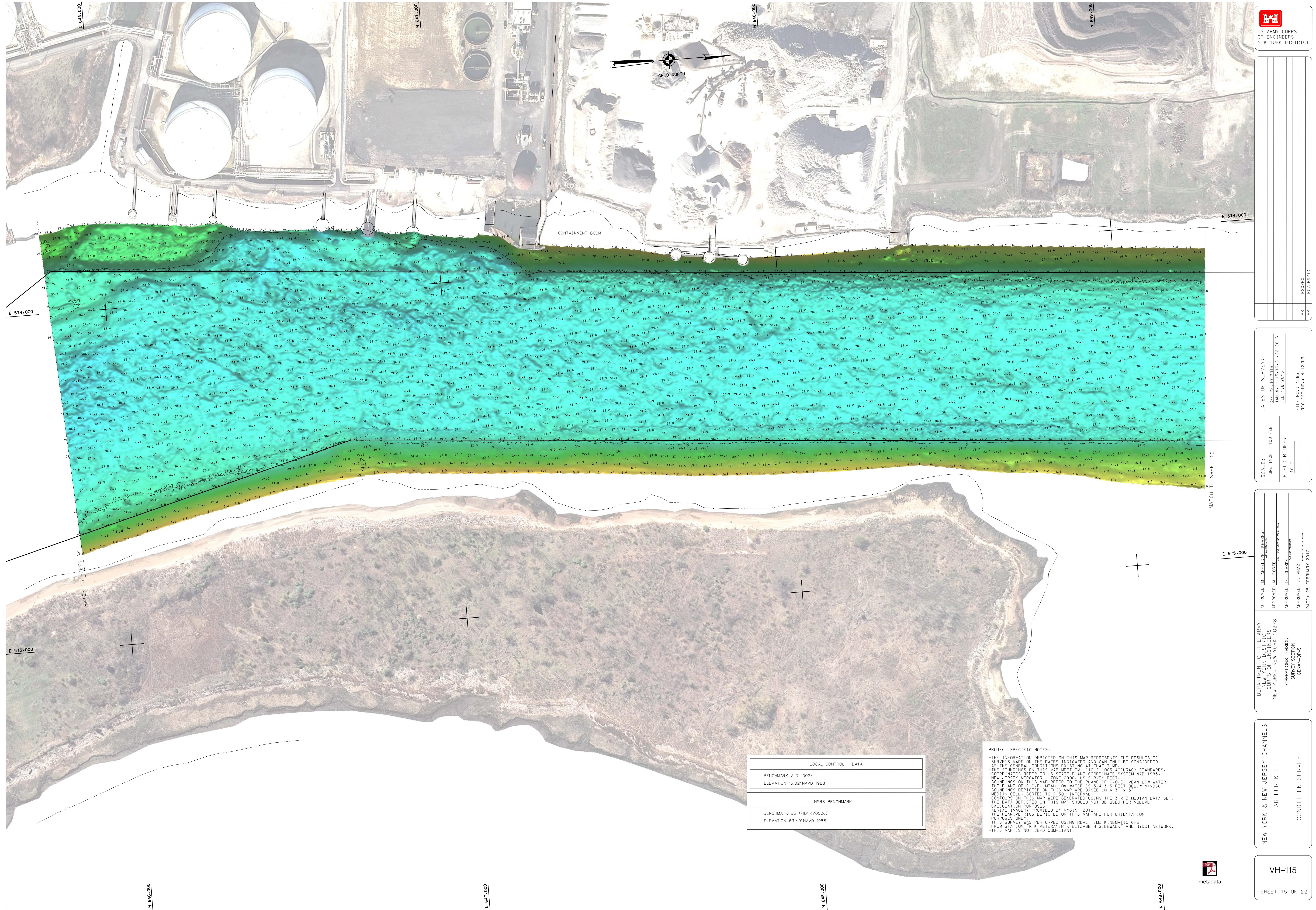


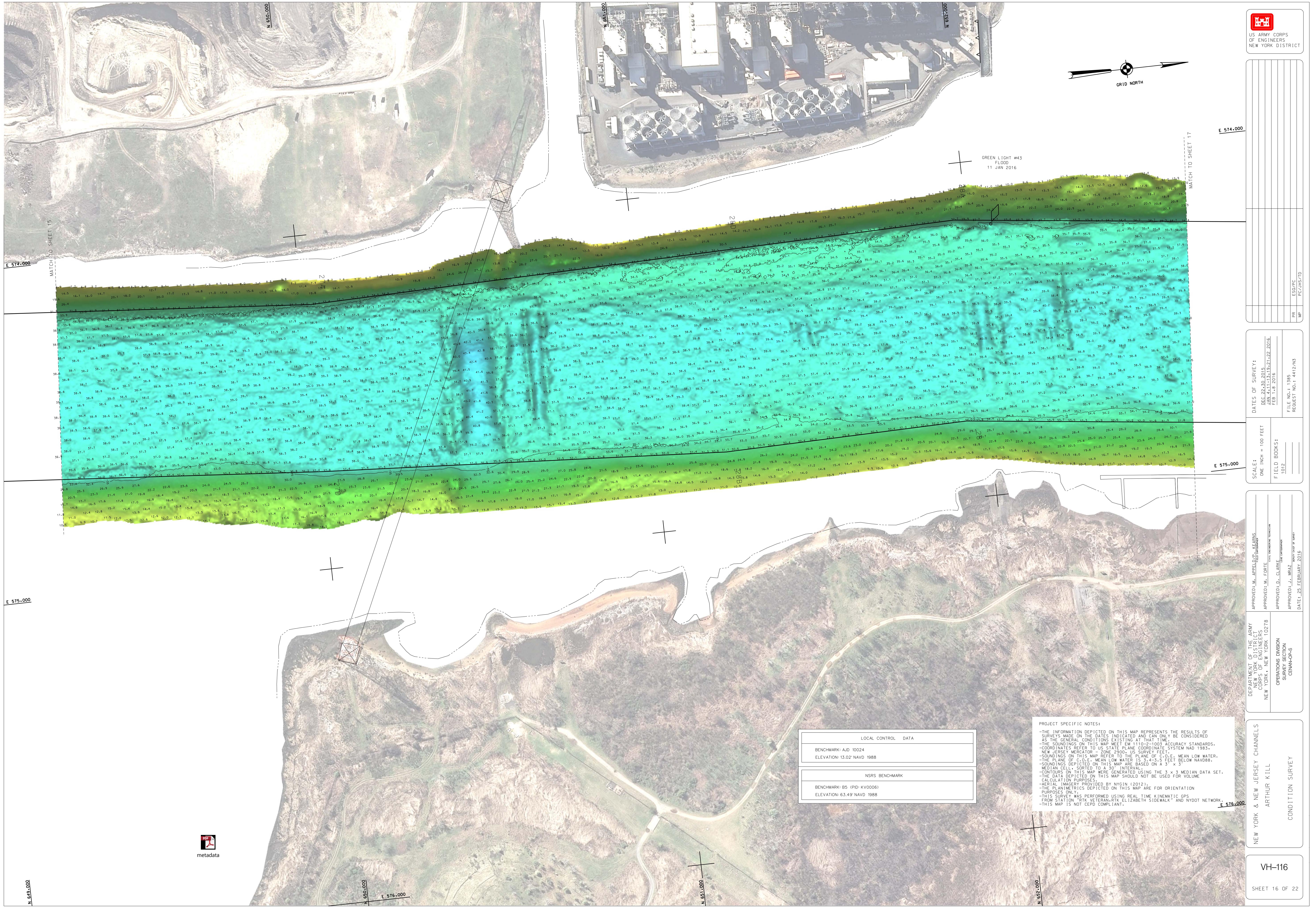


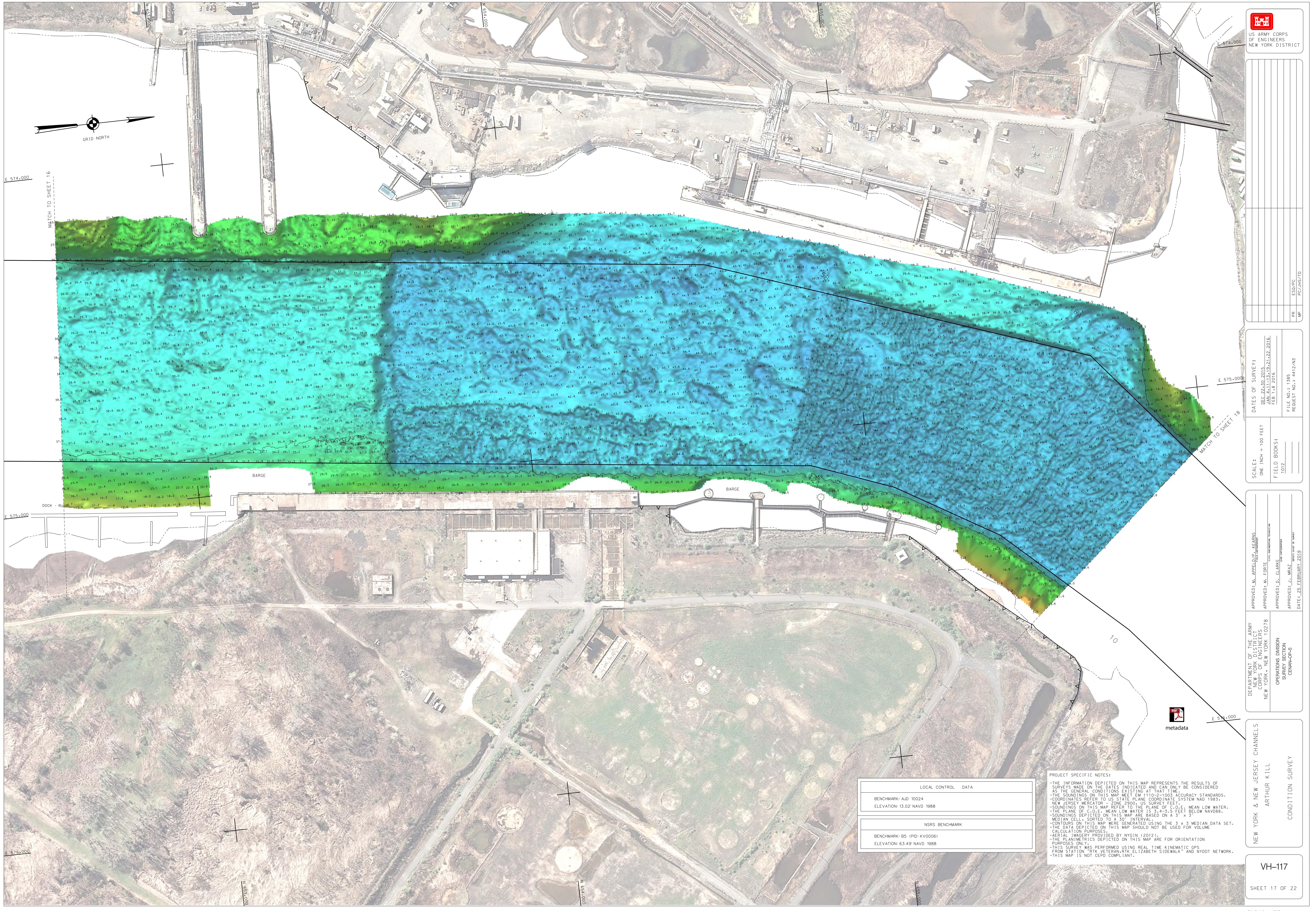


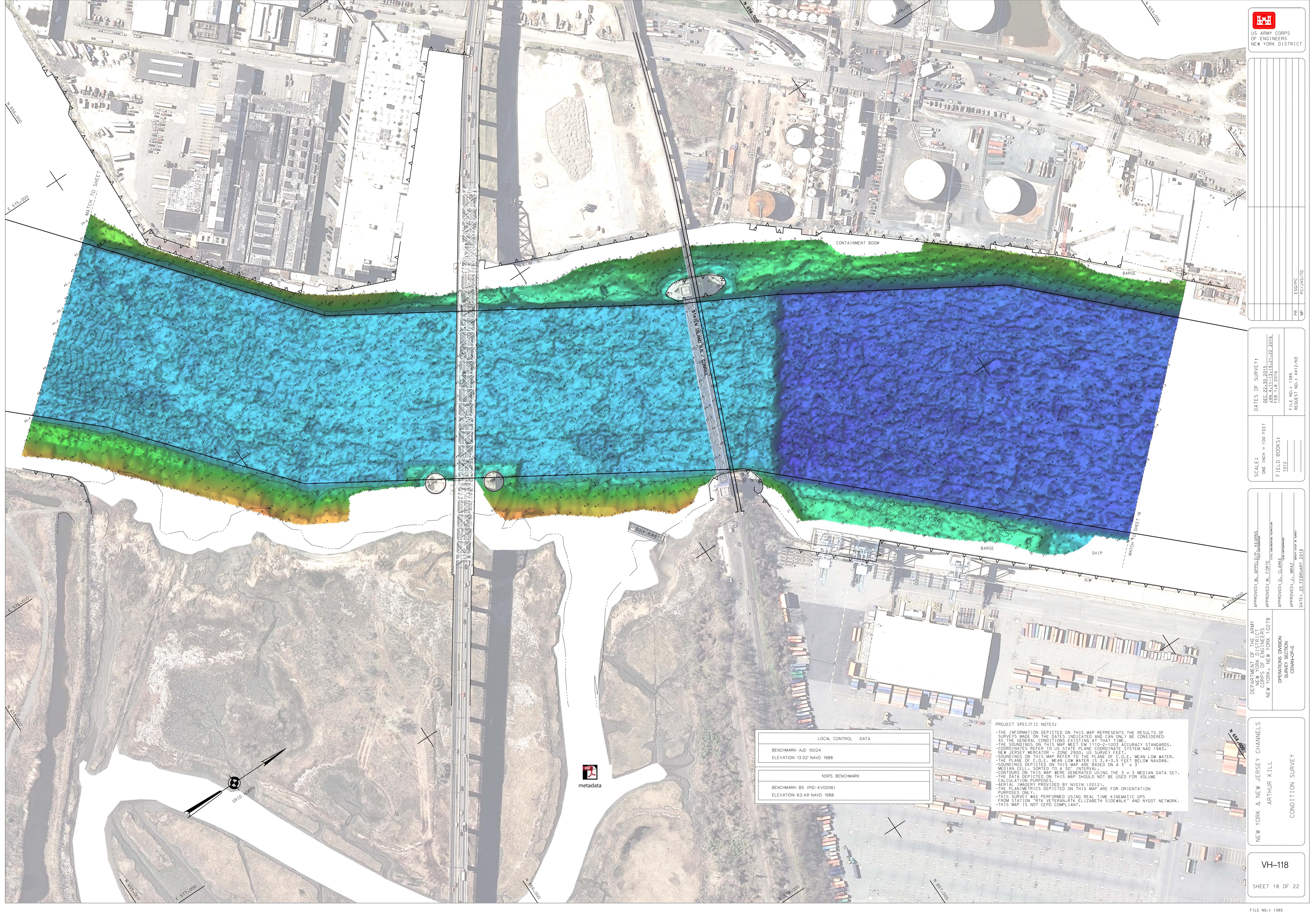






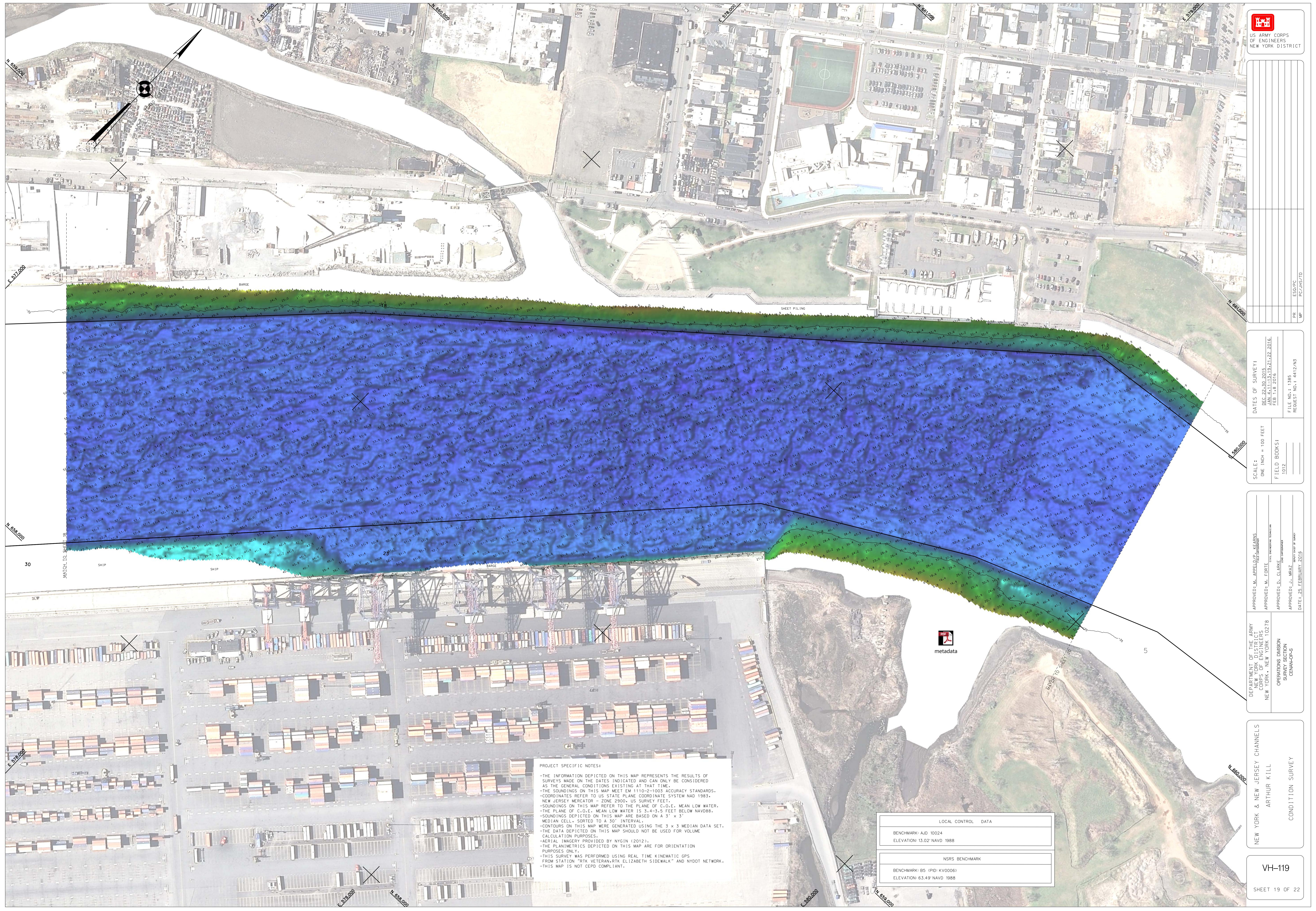


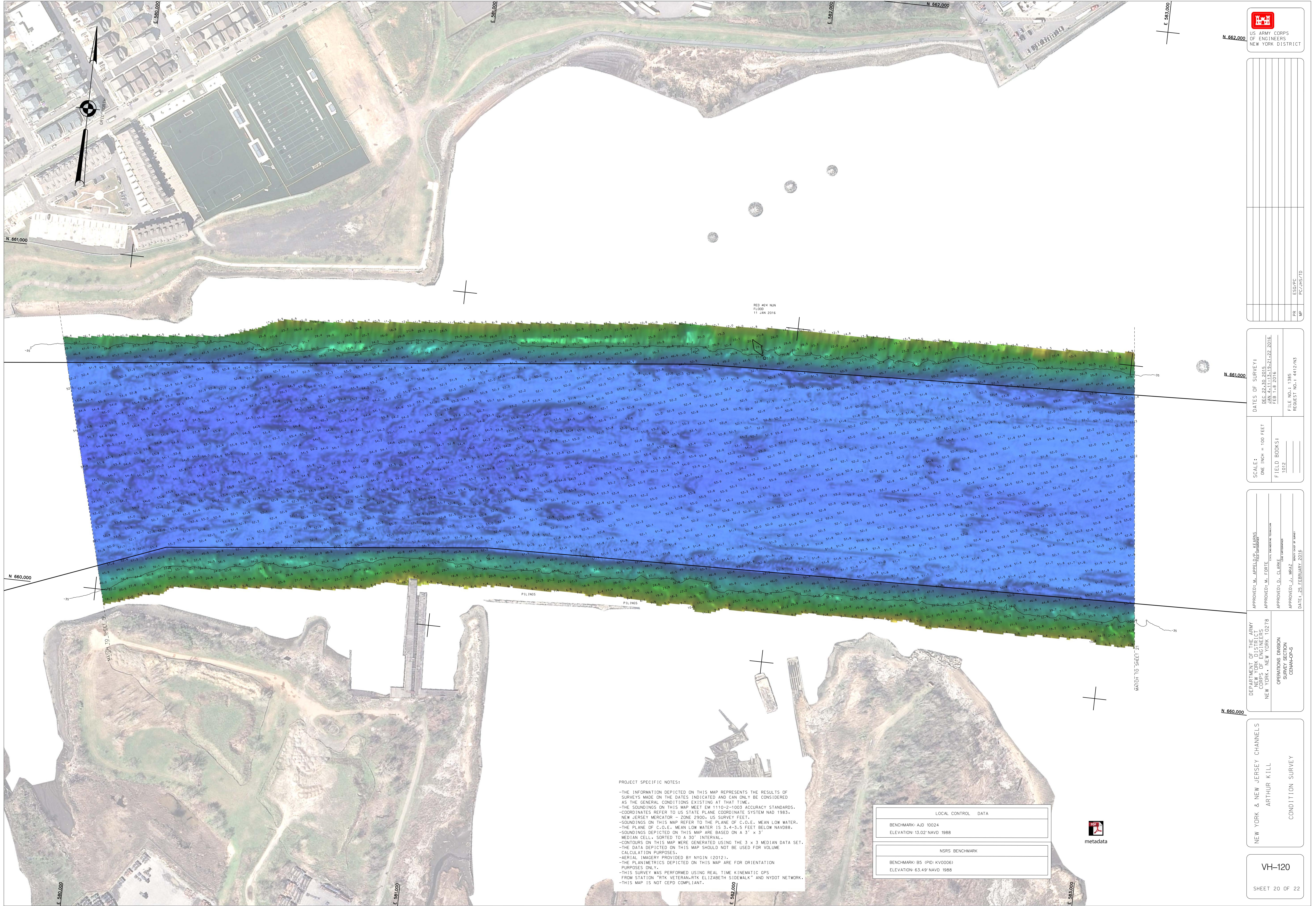


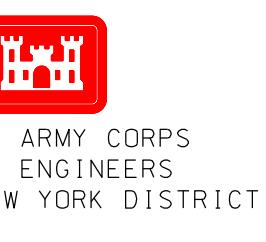




US ARMY CORPS OF ENGINEERS NEW YORK DISTRICT







E 585.000

N 662.000

N 660.000

E 588.000

