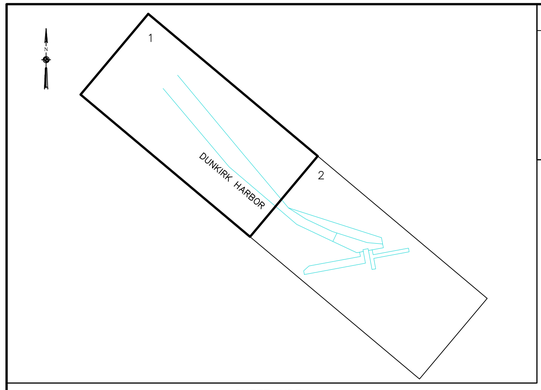
SAFETY PAYS



SHEET INDEX
"NOT TO SCALE"

SOUNDING COLOR LEGEND

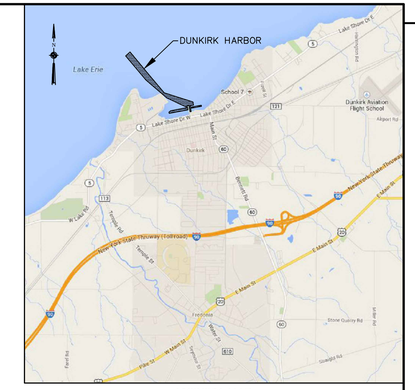
	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	DEPTHS AT OR BELOW PROJECT DEPTH
18.0	PROJECT DEPTH

LEGEND OF SYMBOLS

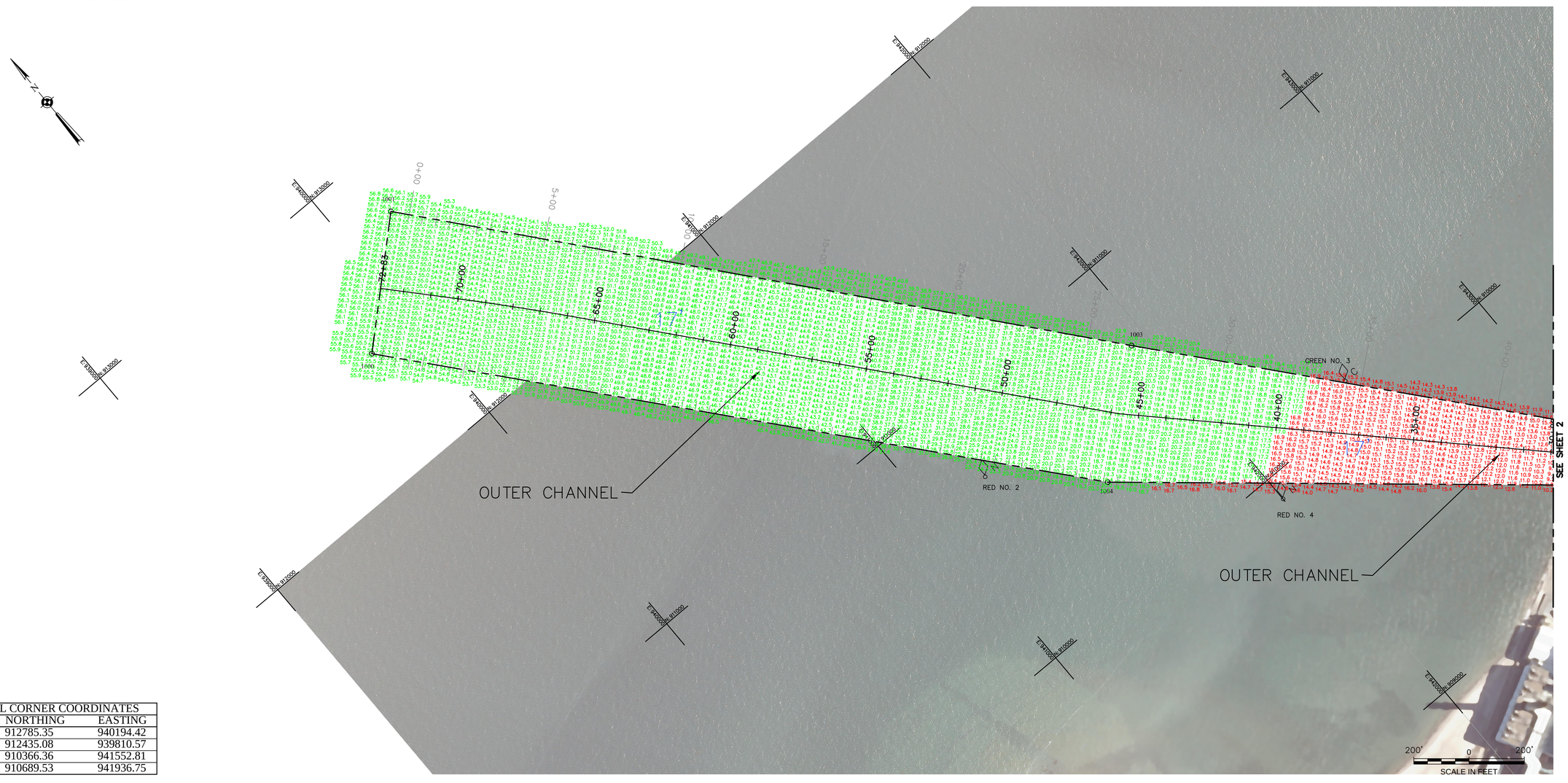
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
417	CHANNEL CORNER
H.L.F.	HARBOR LINE CORNER
	FEDERAL CHANNEL
	HARBOR LINE
	SUBMARINE CABLE
C	CAN BUOY
N	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

SITE SPECIFIC NOTES:

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM–WEST ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON AUGUST 7, 2015 USING:
   GPS POSITIONING, POS–MV VER. 5 W/RTK TIDES
   SONAR HEAD: 200 KHZ, RESON 7125 MULTIBEAM
   1.0 DEGREE BEAMS, 160 DEGREE ARC
   VELOCITY PROFILER; SONTEK CASTAWAY
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH: BUXBAUM
5. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
6. AERIAL IMAGERY WAS OBTAINED FROM THE NEW YORK STATE GIS CLEARINGHOUSE.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110–2–1003.



VICINITY MAP
"NOT TO SCALE"



CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
1001	912785.35	940194.42
1000	912435.08	939810.57
1004	910366.36	941552.81
1003	910689.53	941936.75

US Army Corps of Engineers
Buffalo District

Original sheet size = ANSI D

** COPY OF SIGNED ORIGINAL **

Drawn by: JDP
Checked by: KPL
Reviewed by: Roman H. Figler III PLS
Chief, Survey Section
Approved by: Edward F. Gawarecki
Date: September 18, 2015
Chief, NY/PA Navigation and Maintenance Section

To download an electronic version of this map, point a web browser to http://www.lrb.usace.army.mil/Library/MapsandCharts.aspx

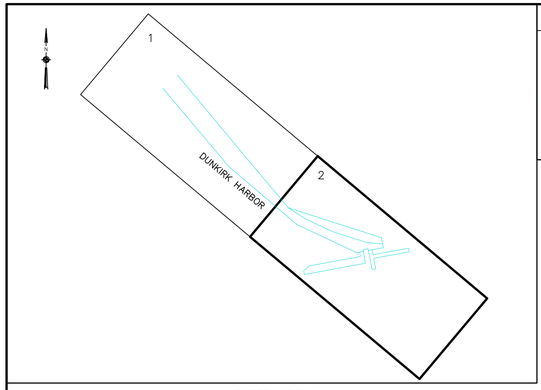
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207–3199

DUNKIRK HARBOR, NY
PROJECT CONDITIONS SOUNDINGS 2015
SCALE: 1"=200'

Sheet reference number
VH–101
Sheet 1 of 2

S:\NY–Dunkirk Harbor\Drawing Files (Cad)\2015\Dunkirk 2015.dwg

SUPPORT VALUE ENGINEERING – IT PAYS



SHEET INDEX
"NOT TO SCALE"

SOUNDING COLOR LEGEND

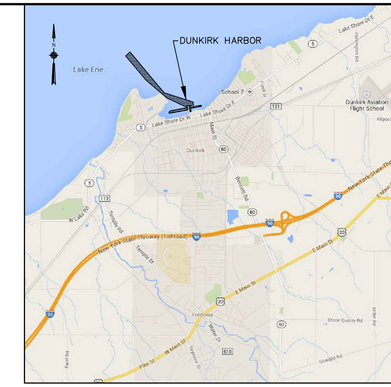
	DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH
	DEPTHS AT OR BELOW PROJECT DEPTH
18.0	PROJECT DEPTH

LEGEND OF SYMBOLS

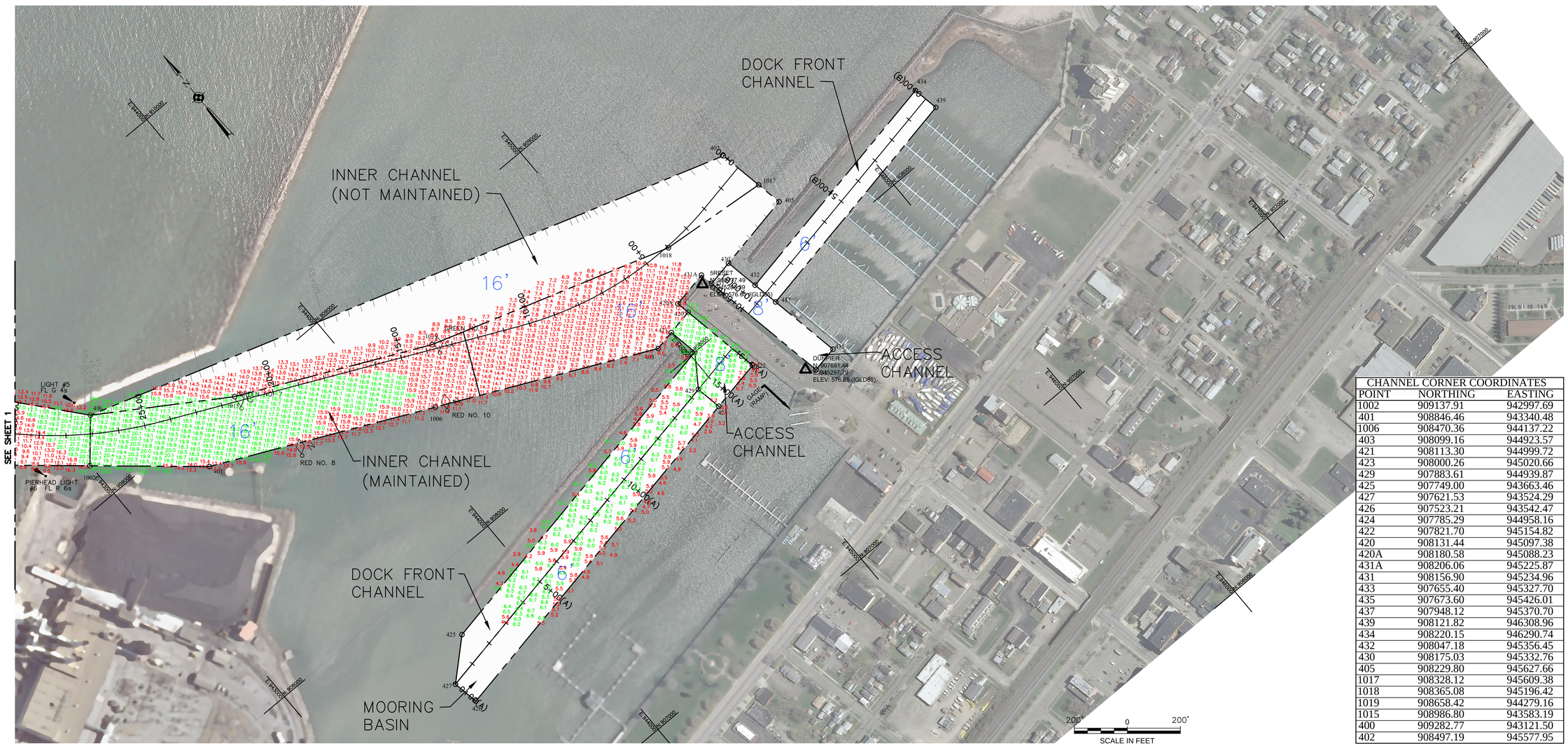
17+00 (NEW), 17+00 (OLD)	CHANNEL STATIONING
417	CHANNEL CORNER
H.L.F.	HARBOR LINE CORNER
	FEDERAL CHANNEL
	HARBOR LINE
	SUBMARINE CABLE
C	CAN BUOY
N	NUN BUOY
	LIGHTED BUOY
	FIXED LIGHT
	LIGHT HOUSE
W	LIGHT COLOR WHITE
R	LIGHT COLOR RED
G	LIGHT COLOR GREEN
FL	FLASHING LIGHT
F	FIXED LIGHT
Oc	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

SITE SPECIFIC NOTES:

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 NEW YORK STATE PLANE COORDINATE SYSTEM–WEST ZONE.
3. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
4. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON AUGUST 7, 2015 AND AUGUST 27, 2015 USING:
   GPS POSITIONING, POS–MV VER. 5 W/RTK TIDES
   SONAR HEAD: 200 KHZ, RESON 7125 MULTIBEAM
   1.0 DEGREE BEAMS, 160 DEGREE ARC
   VELOCITY PROFILER; SONTEK CASTAWAY
   HYPACK SURVEY SOFTWARE
   SURVEY LAUNCH: BUXBAUM
5. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
6. AERIAL IMAGERY WAS OBTAINED FROM THE NEW YORK STATE GIS CLEARINGHOUSE.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110–2–1003.



VICINITY MAP
"NOT TO SCALE"



CHANNEL CORNER COORDINATES		
POINT	NORTHING	EASTING
1002	909137.91	942997.69
401	908846.46	943340.48
1006	908470.36	944137.22
403	908099.16	944923.57
421	908113.30	944999.72
423	908000.26	945020.66
429	907883.61	944939.87
425	907749.00	943663.46
427	907621.53	943524.29
426	907523.21	943542.47
424	907785.29	944958.16
422	907821.70	945154.82
420	908131.44	945097.38
420A	908180.58	945088.23
431A	908206.06	945225.87
431	908156.90	945234.96
433	907655.40	945327.70
435	907673.60	945426.01
437	907948.12	945370.70
439	908121.82	946308.96
434	908220.15	946290.74
432	908047.18	945356.45
430	908175.03	945332.76
405	908229.80	945627.66
1017	908328.12	945609.38
1018	908365.08	945196.42
1019	908658.42	944279.16
1015	908986.80	943583.19
400	909282.77	943121.50
402	908497.19	945577.95

US Army Corps of Engineers
Buffalo District

Original sheet size = ANSI D

** COPY OF SIGNED ORIGINAL **

Drawn by: JDP
Checked by: KPL
Reviewed by: Roman H. Figler III PLS
Chief, Survey Section
Approved by: Edward F. Gawarecki
Chief, NY/PA Navigation and Maintenance Section
Date: September 18, 2015

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
BUFFALO, NEW YORK 14207–3199

DUNKIRK HARBOR, NY
PROJECT CONDITIONS SOUNDINGS 2015
SCALE: 1"=200'

Sheet reference number
VH–102
Sheet 2 of 2

To download an electronic version of this map, point a web browser to http://www.lrb.usace.army.mil/Library/AppendixCharts.aspx

S:\NY-Dunkirk Harbor\Drawing Files (Cad)\2015\Dunkirk 2015.dwg