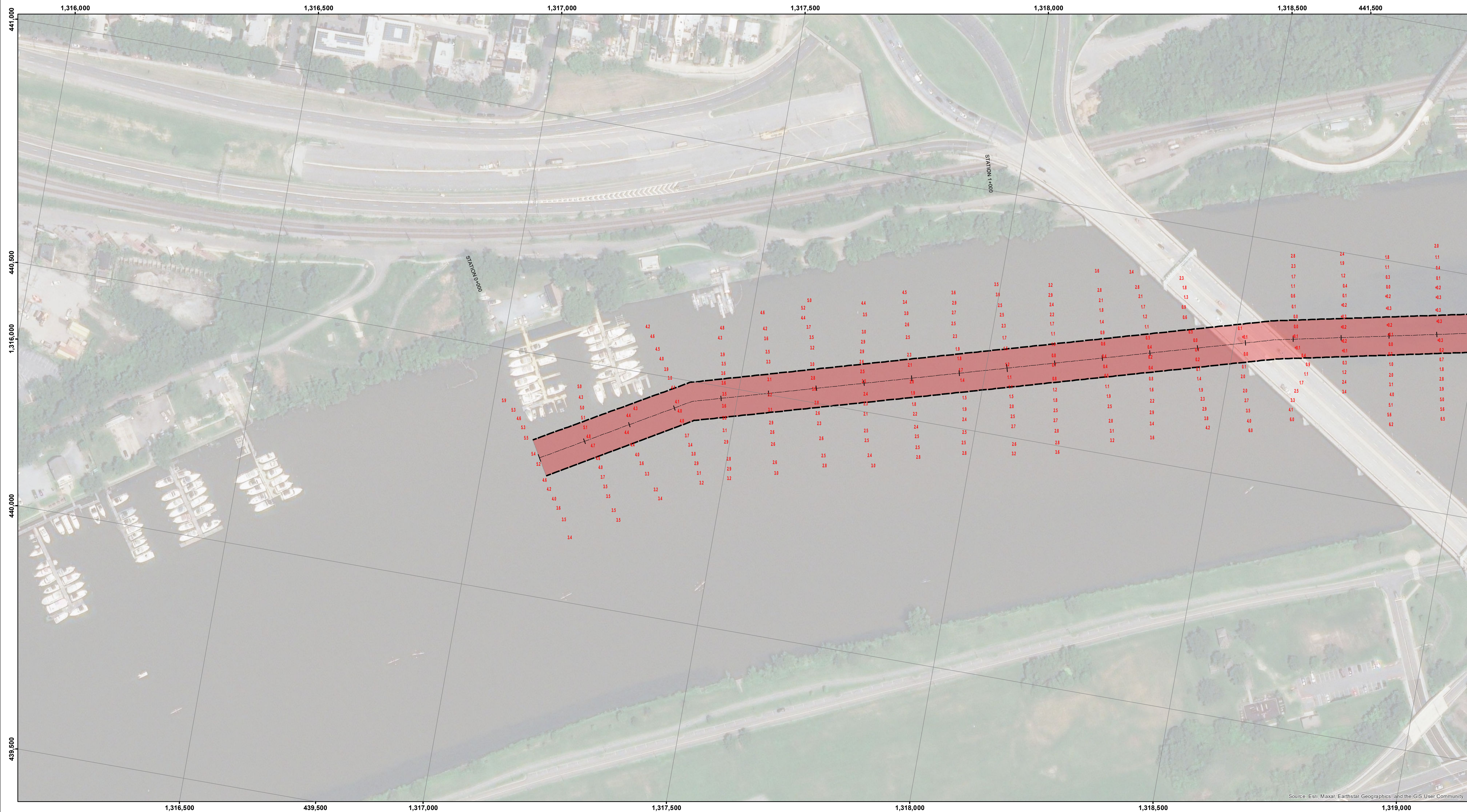




LEGEND

--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
● Shoalest Sounding	▲ Red Day Beacon
	■ Green Day Beacon

Scale in Feet

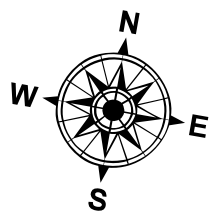
0 200 400 600

NOTES:

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4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE MV BUCK USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM 200KHZ ECHOSOUNDER.
7. PROJECT DEPTH: 8 FEET.
8. CHANNEL WIDTH IS 60 FEET.
9. TIDE OBSERVED AT WASHINGTON D.C. NOAA AUTOGAUGE (8594900). TIDAL ZONING WAS APPLIED ACCORDING TO NOAA CO-OPS DISCRETE TIDAL ZONING MAP ([HTTPS://WWW.ARCGIS.COM/HOME/ITEM.HTML?ID=21D7B399E6FA42E18A72EE30BE9AA5C9](https://www.arcgis.com/home/item.html?id=21D7B399E6FA42E18A72EE30BE9AA5C9)).

TIDAL BENCH MARK

Stations 0+00 to 40+00		Stations 40+00 to 17+900		Stations 17+400 to 28+961	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Water 1	7.97	104-3C	11.37
4900 K 2010	10.79	104K-03	5.57	104-1A	10.32
4800 F 1982	13.61	104F-1	5.15	104-2B	11.37
GOLF	12.60				

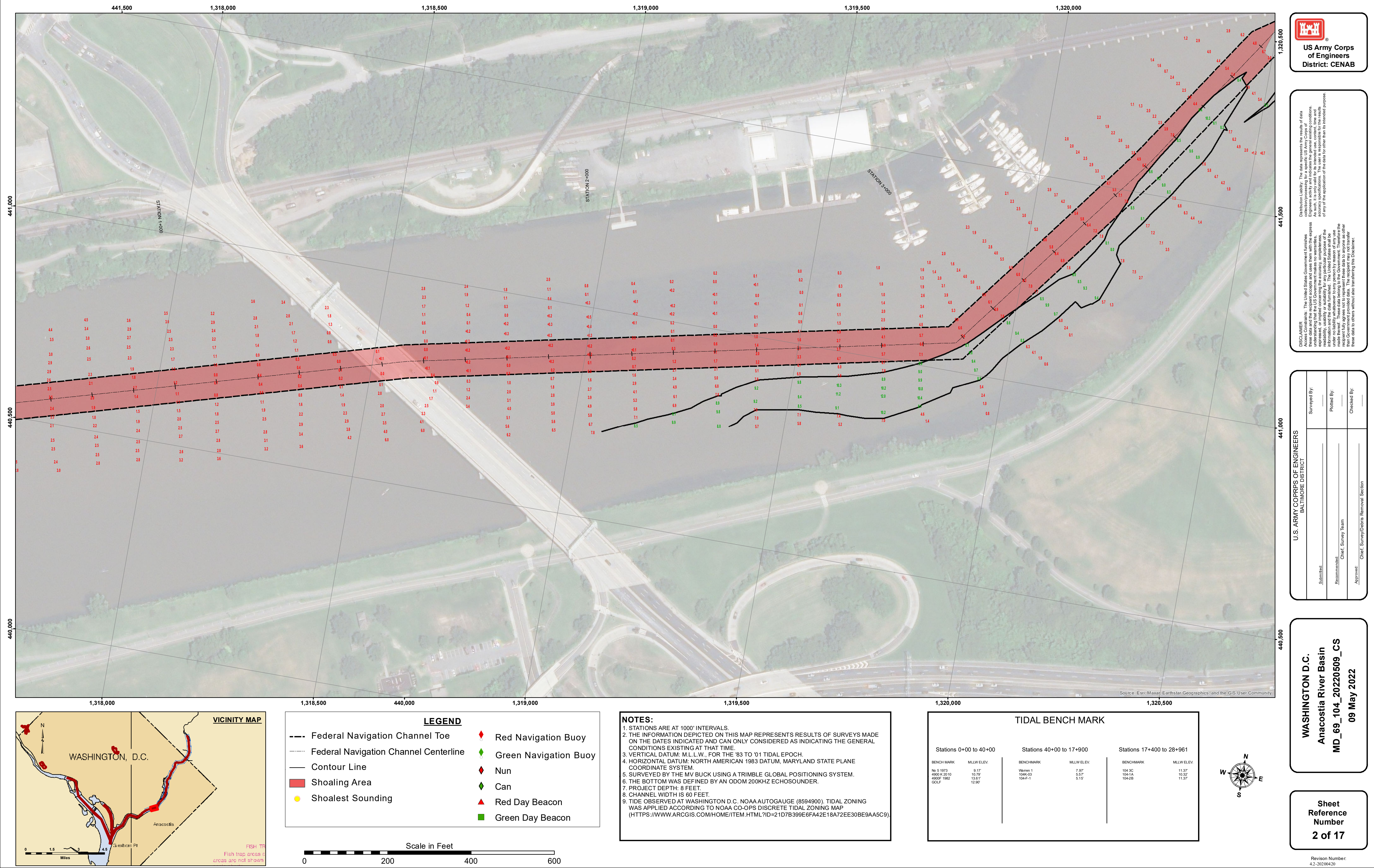


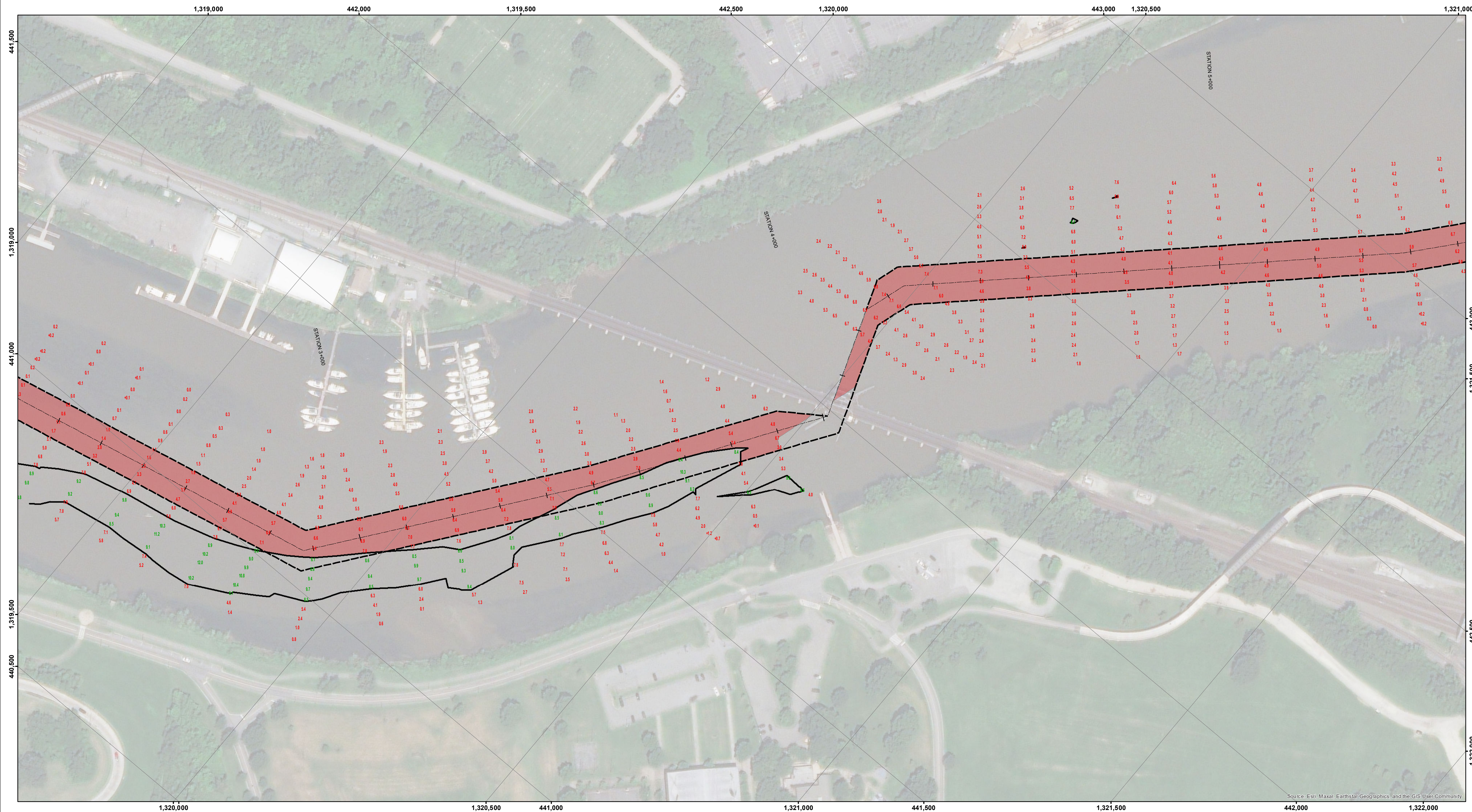
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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	
Submitted By: _____	Surveyed By: _____
Recommended By: _____	Plotted By: _____
Approved By: _____	Checked By: _____

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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LEGEND	
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
● Shoalest Sounding	▲ Red Day Beacon
	■ Green Day Beacon



NOTES:

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- SURVEYED BY THE MV BUCK USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
- THE BOTTOM WAS DEFINED BY AN ODOM 200KHZ ECHOSOUNDER.
- PROJECT DEPTH: 8 FEET.
- CHANNEL WIDTH IS 60 FEET.
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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Waller 1	7.97
4800 K 2010	10.79	104K-03	5.57
4800 F 1982	13.61	104-I-A	10.32
GOLF	12.60	104-F-1	5.15
		Stations 17+400 to 28+961	
		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



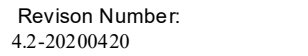
The data on this map was collected by the US Army Corps of Engineers and is intended for informational purposes only. The data is not to be used for any other purpose. The user is responsible for the results of any application of the data for other than its intended purpose.

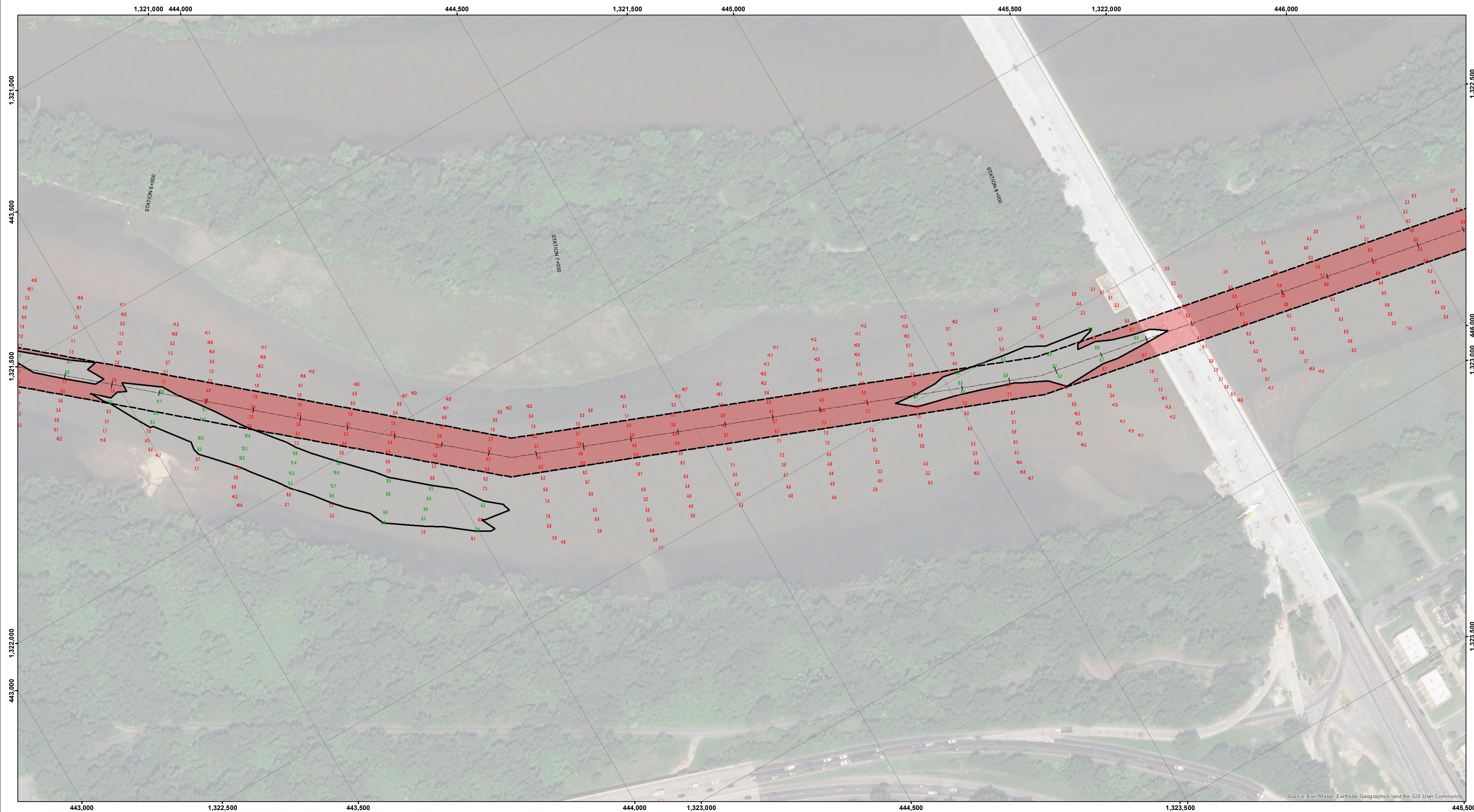
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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted By:	Surveyed By:	
Recommended By:	Plotted By:	
Approved:	Chief, Survey Team	Chief, Survey/Detrits Removal Section

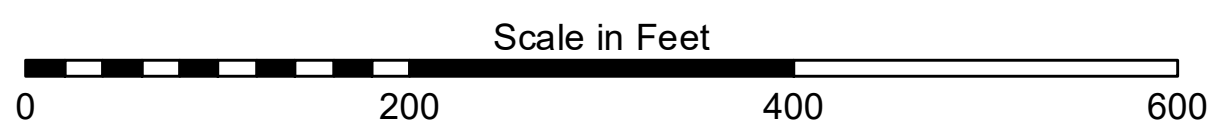
WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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Reference
Number
3 of 17





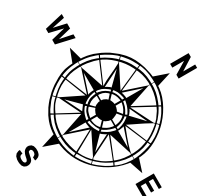
LEGEND			
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy		
... Federal Navigation Channel Centerline	◆ Green Navigation Buoy		
— Contour Line	◆ Nun		
■ Shoaling Area	◆ Can		
● Shoalest Sounding	▲ Red Day Beacon		
	■ Green Day Beacon		



NOTES:

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8. CHANNEL WIDTH IS 60 FEET.
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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4900 F 1982	13.61	104F-1	5.15
GOLF	12.60		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



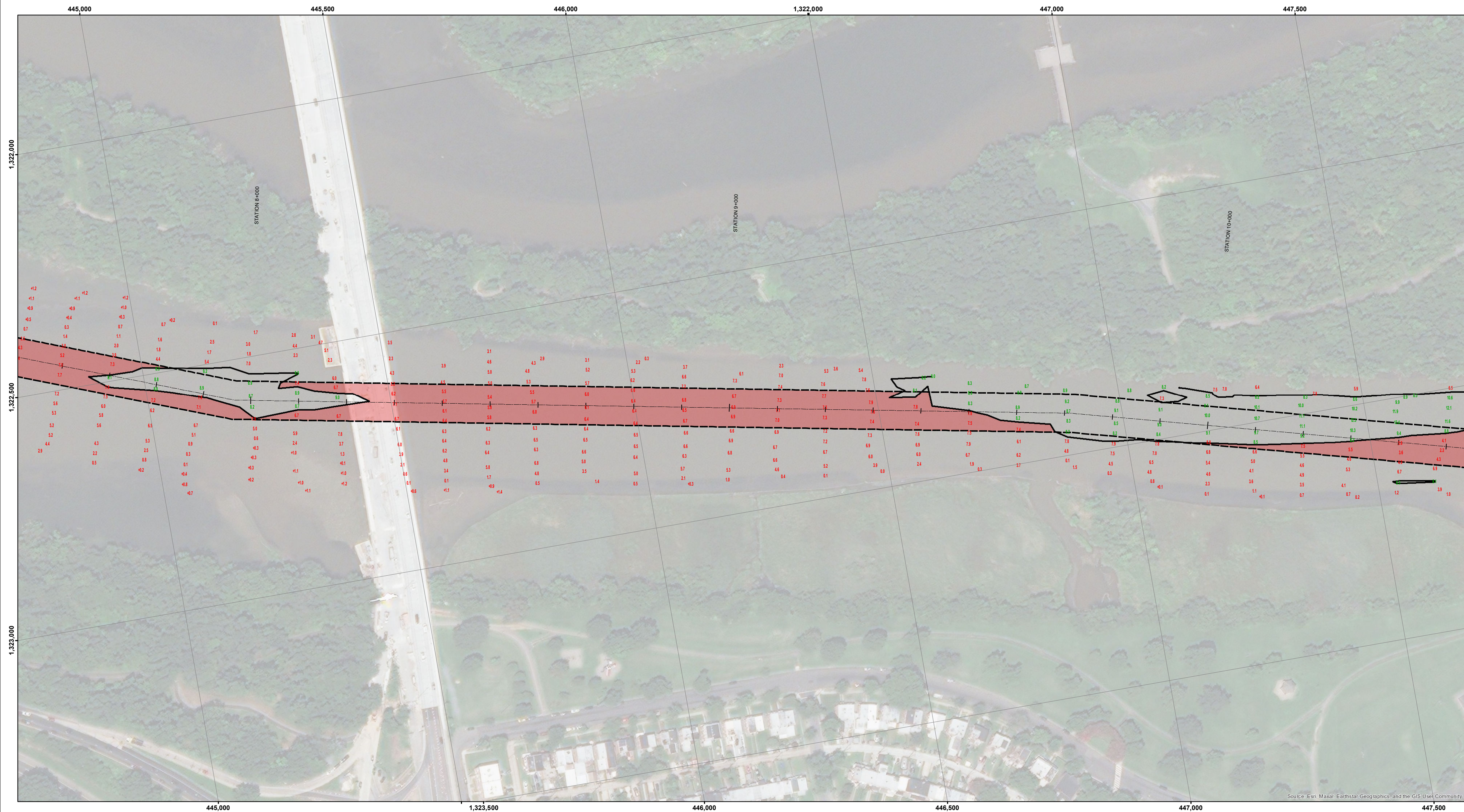
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DISCLAIMER: The data presented are the results of data collection for a specific project and are not to be used for any other purpose. The user is responsible for the results of any application of the data for other than its intended purpose.

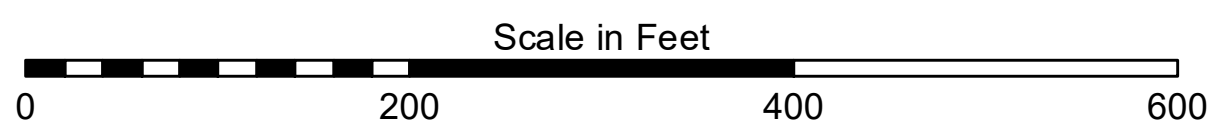
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT			
Submitted:	Surveyed By:	Plotted By:	Checked By:
Recommended:	Chief, Survey Team		
Approved:	Chief, Survey/Debris Removal Section		

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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Number
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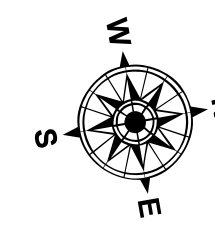
LEGEND			
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy		
— Federal Navigation Channel Centerline	◆ Green Navigation Buoy		
— Contour Line	◆ Nun		
■ Shoaling Area	◆ Can		
● Shoalest Sounding	▲ Red Day Beacon		
	■ Green Day Beacon		



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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4800F 1982	13.61	104F-1	5.15
GOLF	12.60		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

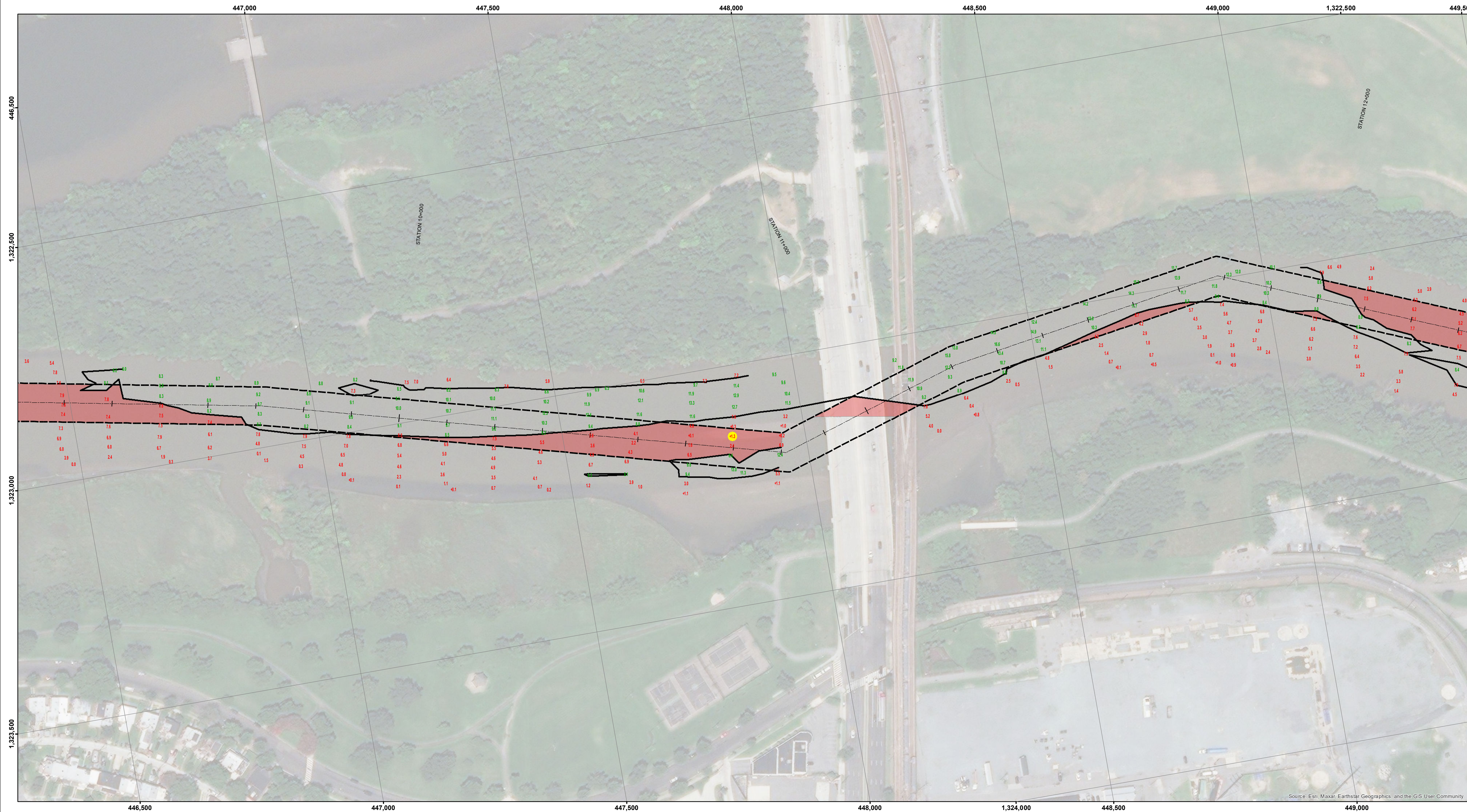
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Revision Number:
4.2-20200420



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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT			
Submitted By:	Surveyed By:		
Recommended By:	Plotted By:		
Approved:	Chief, Survey Team	Checked By:	
	Chief, Survey/Detrits Removal Section		



LEGEND

--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
- - - Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
● Shoalest Sounding	▲ Red Day Beacon
	■ Green Day Beacon

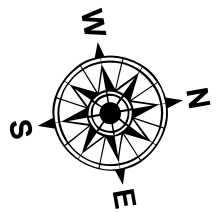
Scale in Feet

0 200 400 600

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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4800F 1982	13.61	104-I A	10.32
GOLF	12.60	104-F-1	5.15
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-I A	10.32
		104-2B	11.37



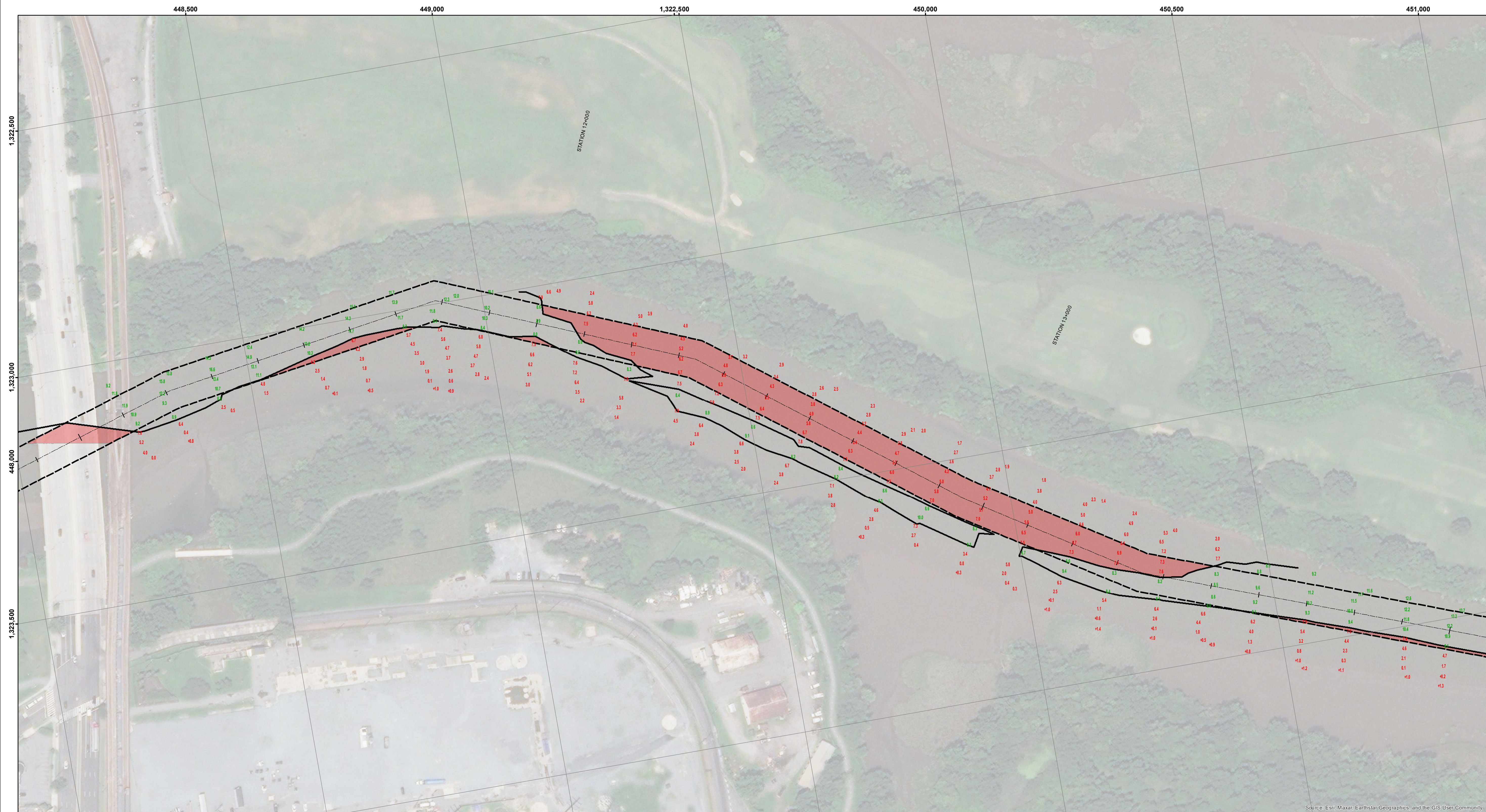
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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Team	
	Chief, Survey/Debris Removal Section	

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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Number
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LEGEND

--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
● Shoalest Sounding	▲ Red Day Beacon
	■ Green Day Beacon

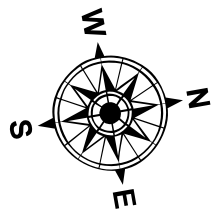
Scale in Feet

0 200 400 600

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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4800F 1982	13.61	104F-1	5.15
GOLF	12.60		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



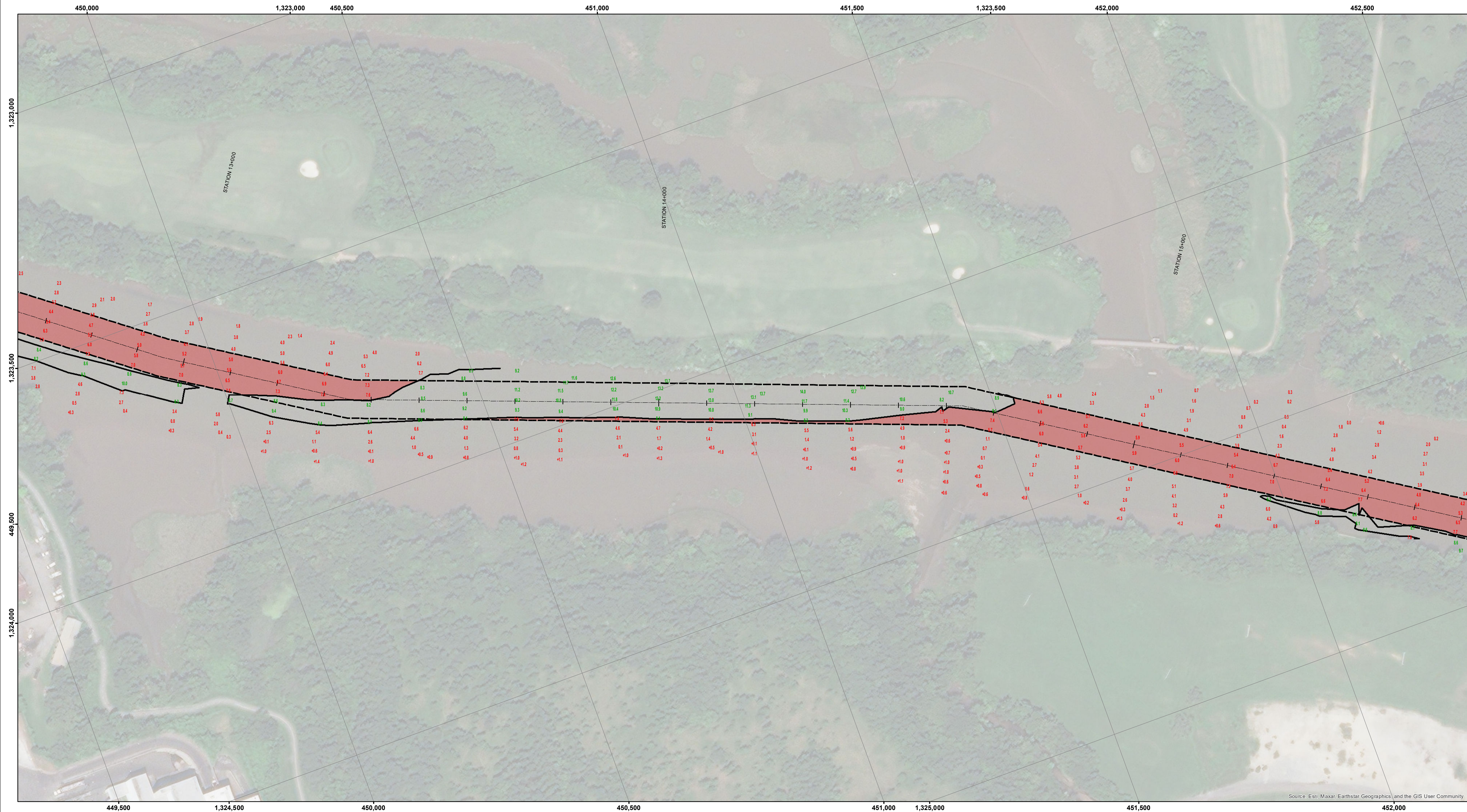
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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	
Submitted By: _____	Surveyed By: _____
Recommended By: Chief, Survey Team	Plotted By: _____
Approved By: Chief, Survey/Detrits Removal Section	Checked By: _____

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

Sheet
Reference
Number
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LEGEND

--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
● Shoalest Sounding	▲ Red Day Beacon
	■ Green Day Beacon

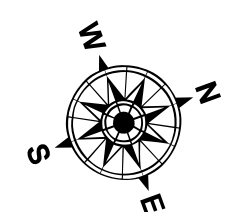
Scale in Feet

0 200 400 600

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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104-K-03	5.57
4800 F 1982	13.61	104-F-1	5.15
GOLF	12.60		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



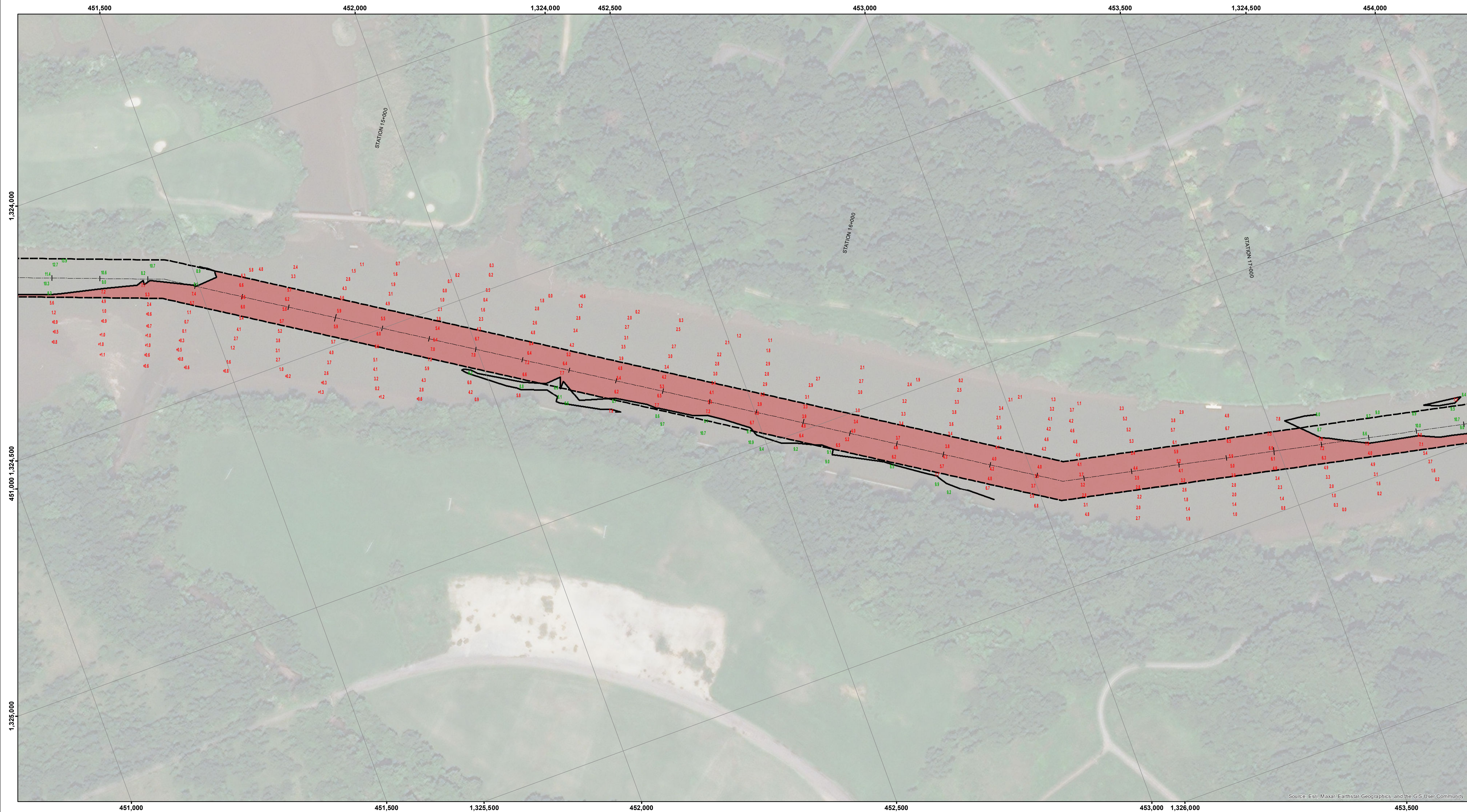
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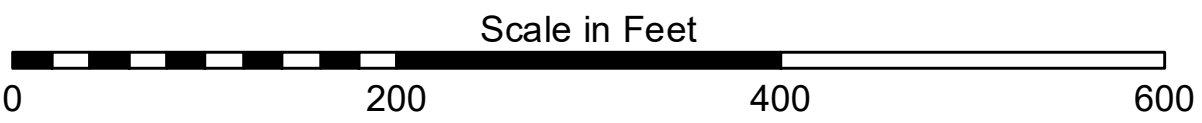
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	
Submitted By: _____	Surveyed By: _____
Recommended By: _____	Plotted By: _____
Approved: _____	Checked By: _____

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

Sheet
Reference
Number
9 of 17



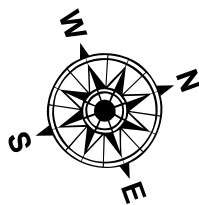
LEGEND			
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy		
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy		
— Contour Line	◆ Nun		
■ Shoaling Area	◆ Can		
● Shoalest Sounding	▲ Red Day Beacon		
	■ Green Day Beacon		



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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4800 F 1982	13.61	104F-1	5.15
GOLF	12.60		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37

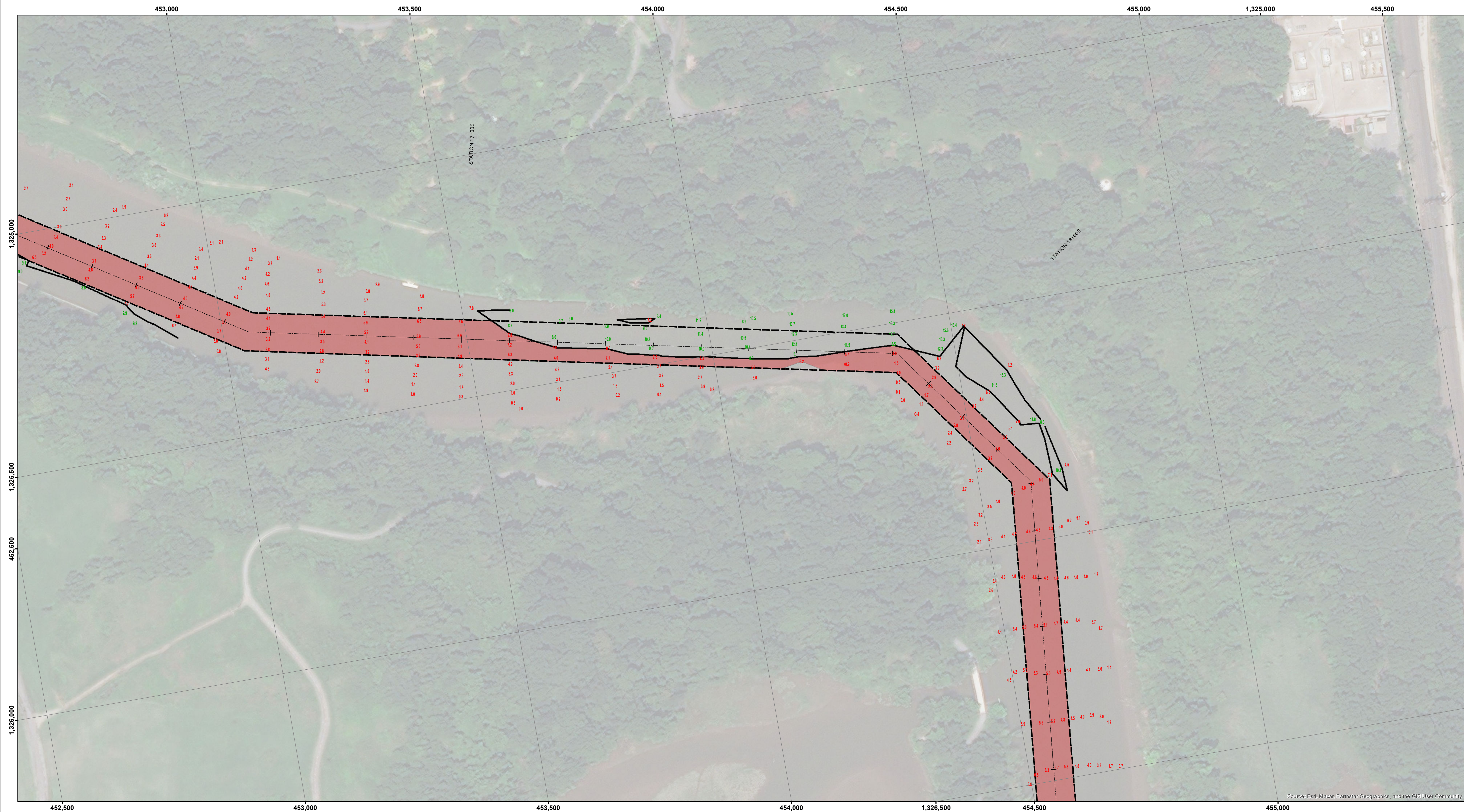


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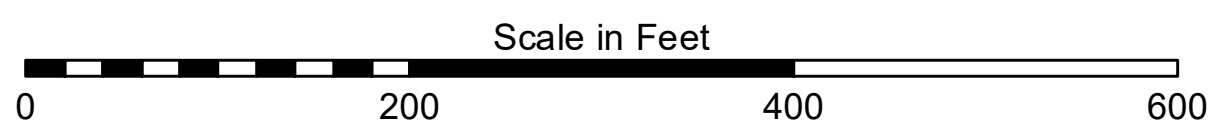
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		Surveyed By: _____
Submitted: _____	Plotted By: _____	Checked By: _____
Recommended: _____ Chief, Survey Team	Approved: _____ Chief, Survey/Debris Removal Section	

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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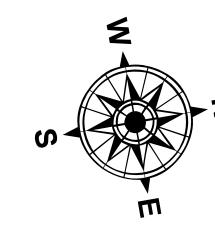
LEGEND			
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy		
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy		
— Contour Line	◆ Nun		
■ Shoaling Area	◆ Can		
● Shoalest Sounding	▲ Red Day Beacon		
	■ Green Day Beacon		



NOTES:

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5. SURVEYED BY THE MV BUCK USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM 200KHZ ECHOSOUNDER.
7. PROJECT DEPTH: 8 FEET.
8. CHANNEL WIDTH IS 60 FEET.
9. TIDE OBSERVED AT WASHINGTON D.C. NOAA AUTOGAUGE (8594900). TIDAL ZONING WAS APPLIED ACCORDING TO NOAA CO-OPS DISCRETE TIDAL ZONING MAP ([HTTPS://WWW.ARCGIS.COM/HOME/ITEM.HTML?ID=21D7B399E6F442E18A72EE30BE9AA5C9](https://www.arcgis.com/home/item.html?id=21D7B399E6F442E18A72EE30BE9AA5C9)).

TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4900 F 1982	13.61	104-I-A	10.32
GOLF	12.80	104-F-1	5.15
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-I-A	10.32
		104-2B	11.37



WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

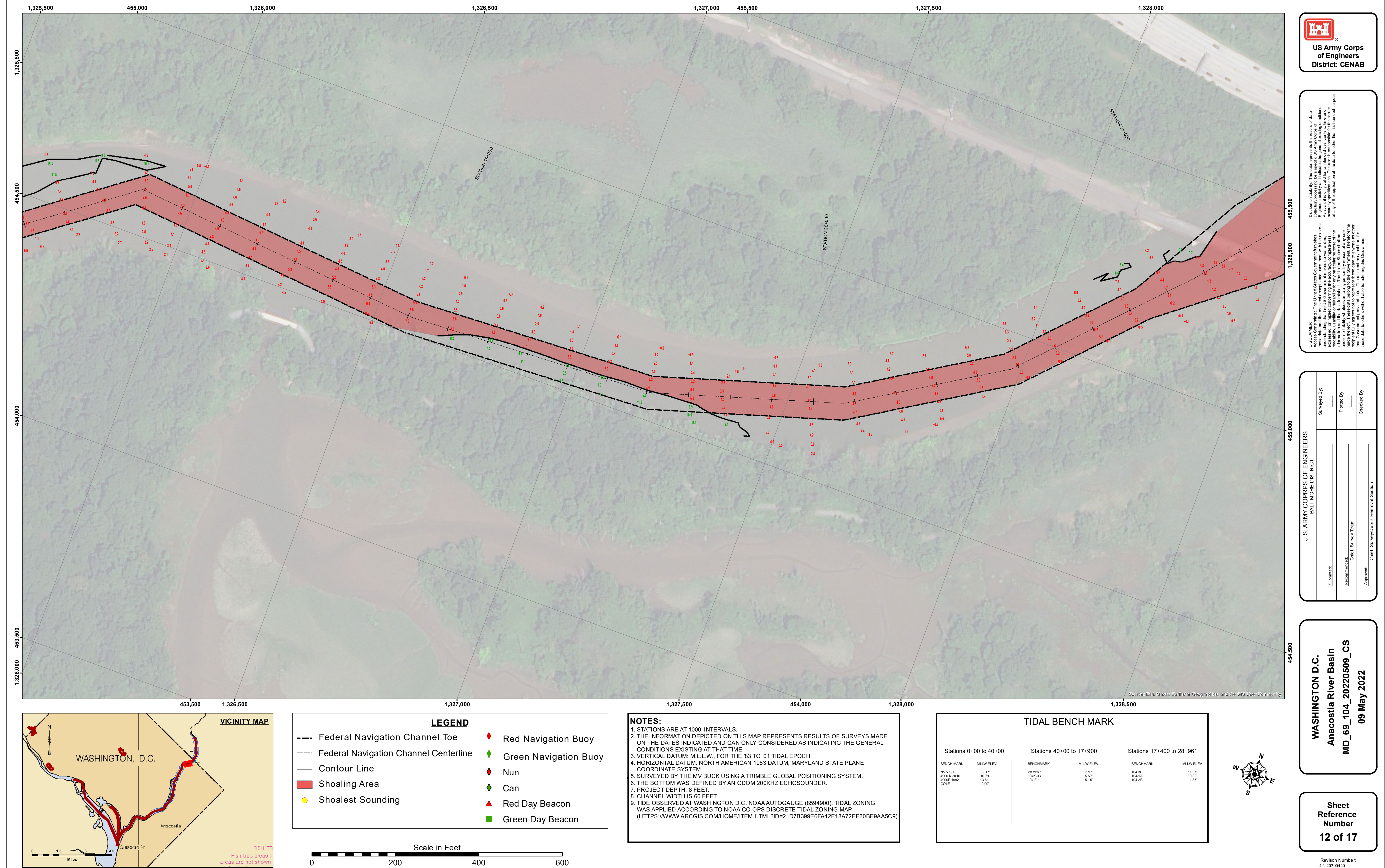
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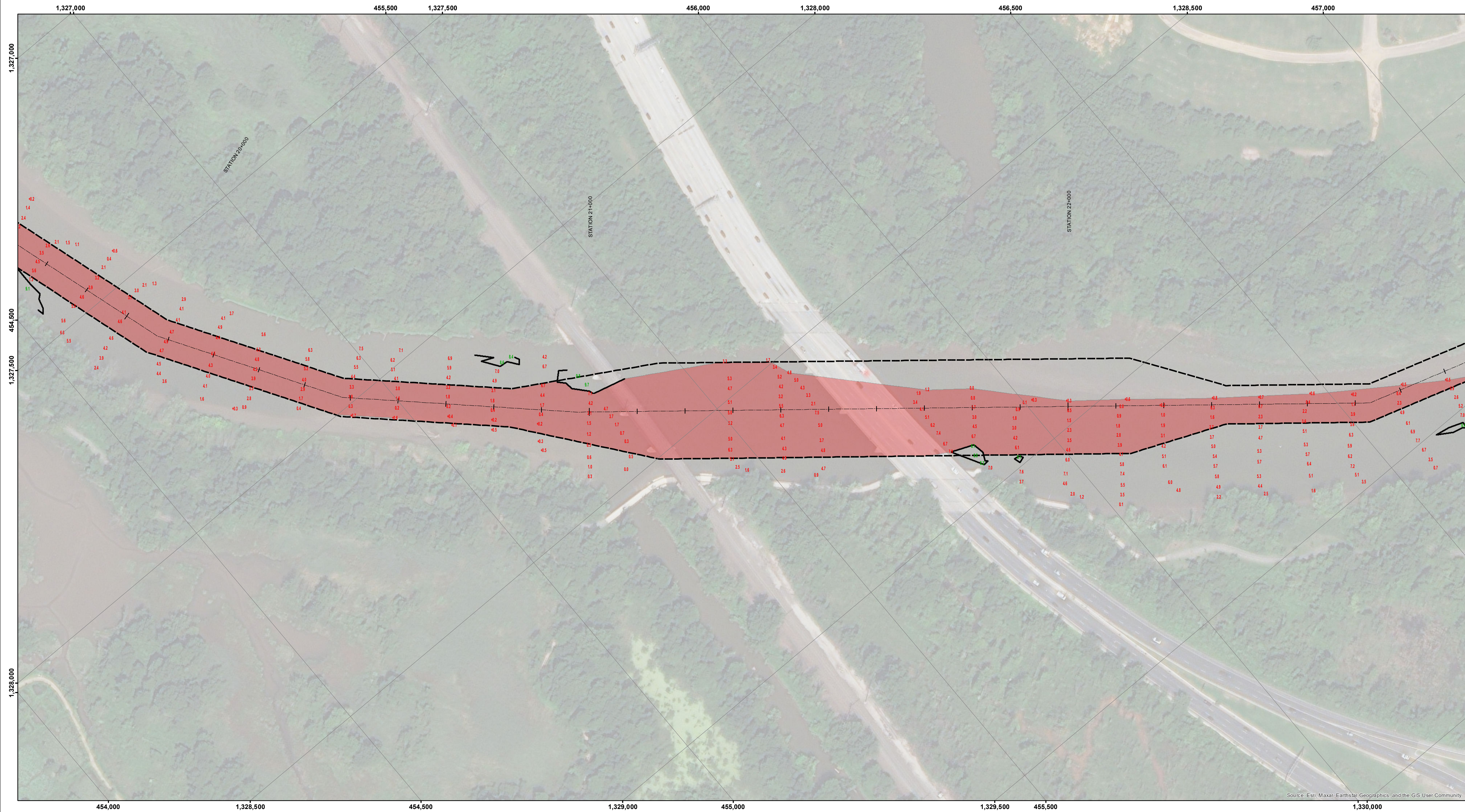
Revision Number:
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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted By:	Surveyed By:	
Recommended By:	Plotted By:	
Approved:	Chief, Survey Team	Checked By:
	Chief, Survey/Detrits Removal Section	





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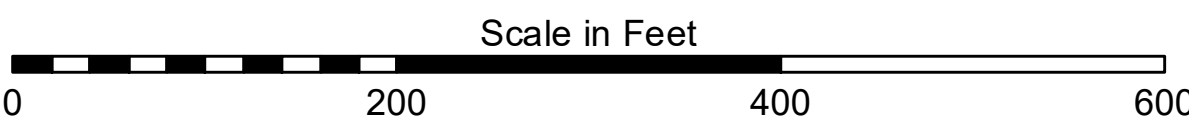
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	
Submitted By:	Surveyed By:
Recommended By:	Plotted By:
Approved By:	Checked By:

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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Number
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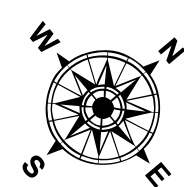


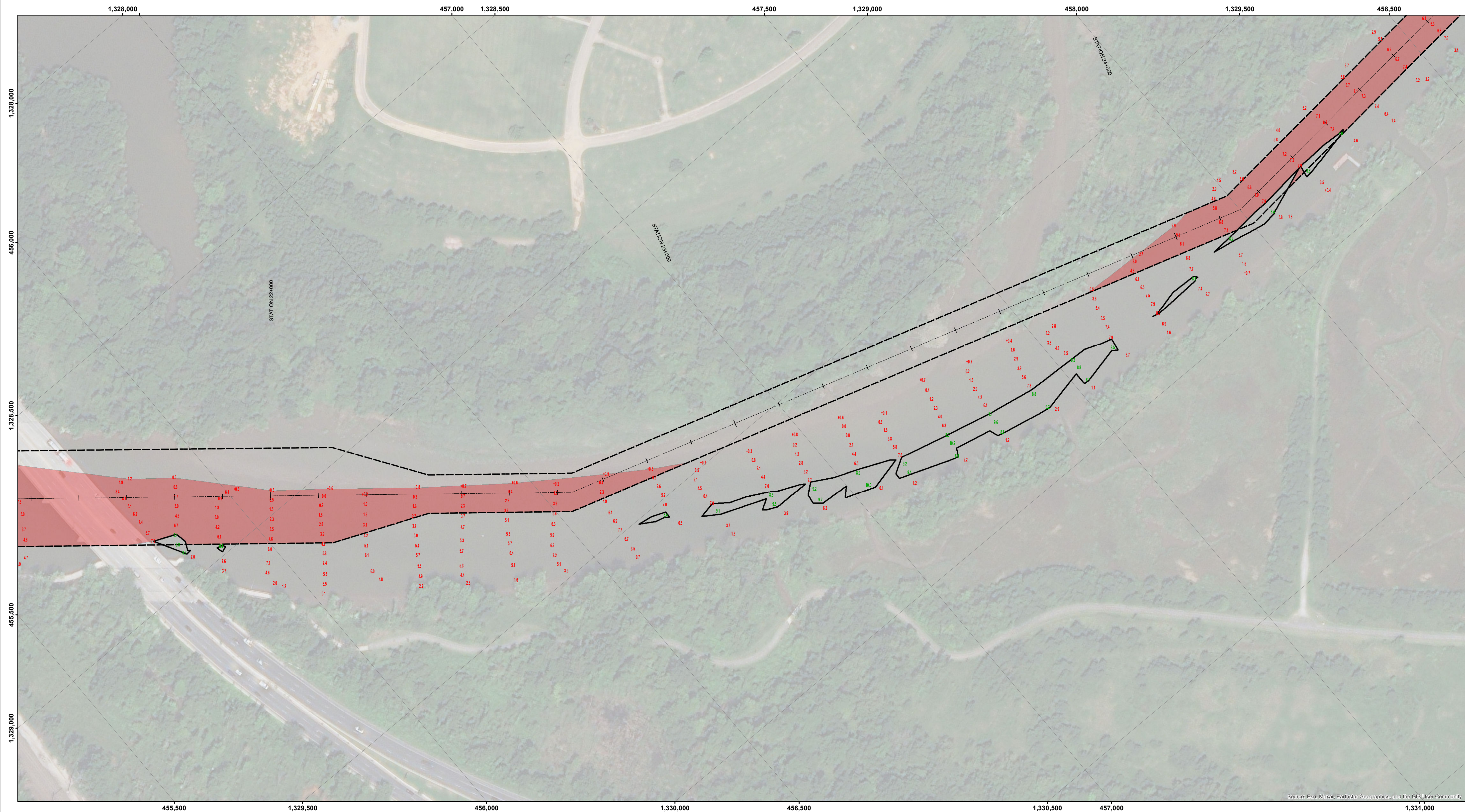
- LEGEND**
- Federal Navigation Channel Toe
 - Federal Navigation Channel Centerline
 - Contour Line
 - Shoaling Area
 - Shoalest Sounding
 - ◆ Red Navigation Buoy
 - ◆ Green Navigation Buoy
 - ◆ Nun
 - ◆ Can
 - ▲ Red Day Beacon
 - Green Day Beacon



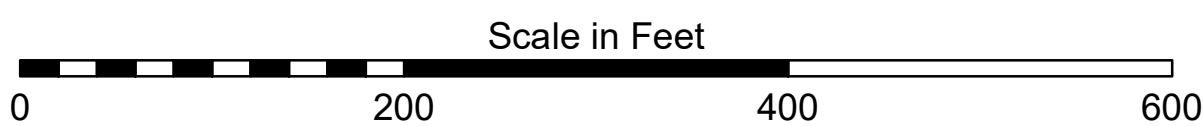
- NOTES:**
1. STATIONS ARE AT 1000' INTERVALS.
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 6. THE BOTTOM WAS DEFINED BY AN ODOM 200KHZ ECHOSOUNDER.
 7. PROJECT DEPTH: 8 FEET.
 8. CHANNEL WIDTH IS 60 FEET.
 9. TIDE OBSERVED AT WASHINGTON D.C. NOAA AUTOGAUGE (8594900). TIDAL ZONING WAS APPLIED ACCORDING TO NOAA CO-OPS DISCRETE TIDAL ZONING MAP (<https://www.arcgis.com/home/item.html?id=21D7B399E6F442E18A72EE30BE9AA5C9>).

TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No. 5 1973	9.17	Water 1	7.97
4900 K 2010	10.79	104K-03	5.57
4900P 1982	13.61	104-I-A	10.32
GOLF	12.60	104-F-1	5.15
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-I-A	10.32
		104-2B	11.37





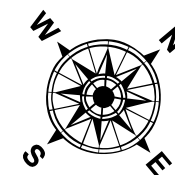
LEGEND	
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
● Shoalest Sounding	▲ Red Day Beacon
	■ Green Day Beacon



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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No 5 1973	9.17	Warner 1	7.97
4900 K 2010	10.79	104K-03	5.57
4900 F 1982	13.61	104-F-1	5.15
GOLF	12.90		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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Number
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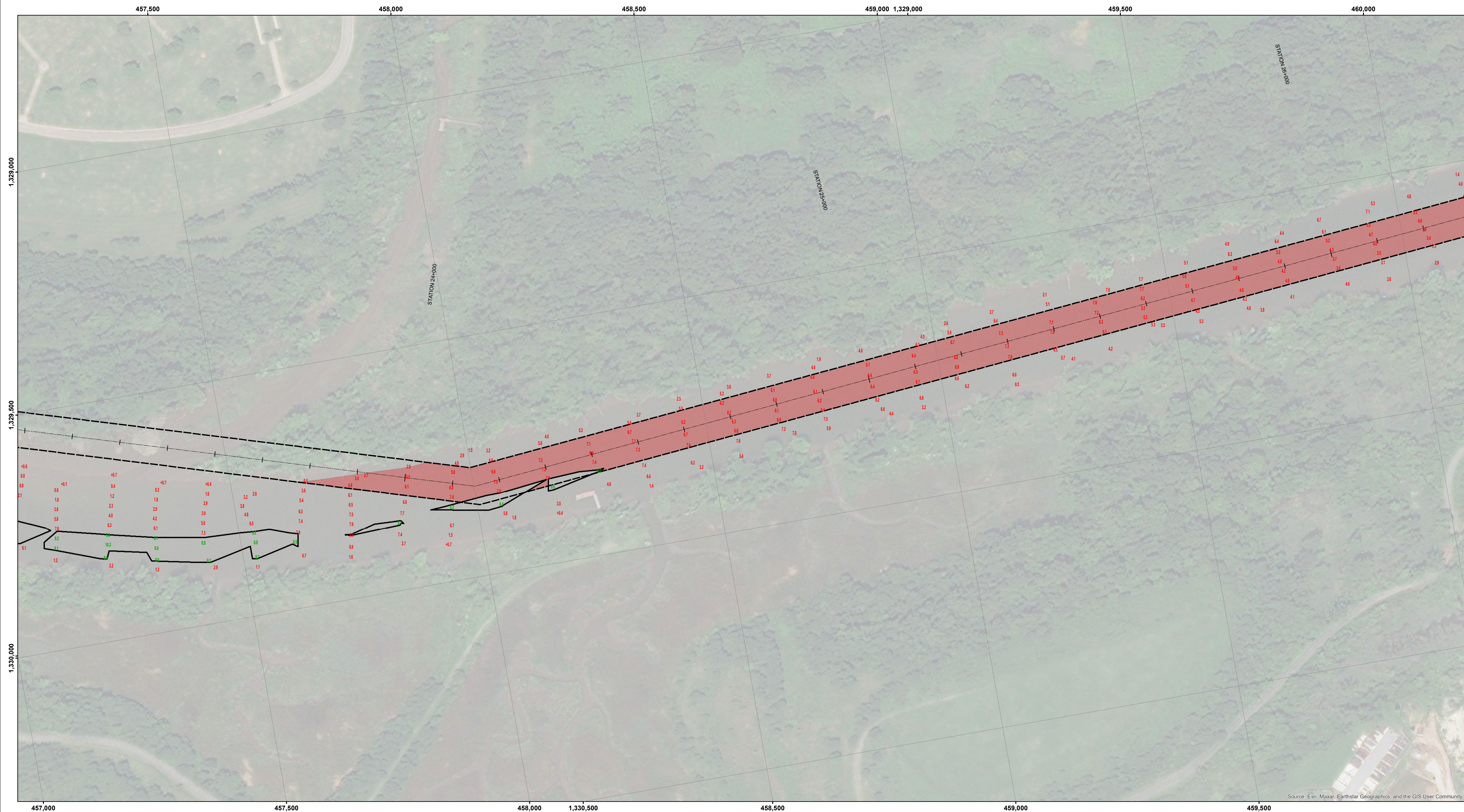
Revision Number:
4.2-20200420

U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Team	
	Chief, Survey/Debris Removal Section	

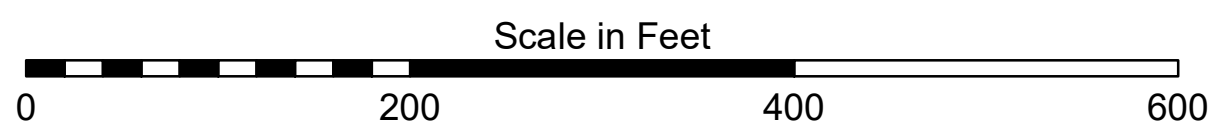
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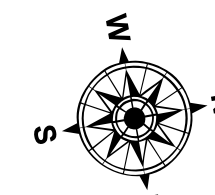
LEGEND	
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
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	■ Green Day Beacon



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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No 5 1973	9.17	Warner 1	7.97
4900 K 2010	10.79	104K-03	5.57
4800 F 1982	13.61	104-F-1	5.15
GOLF	12.90		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

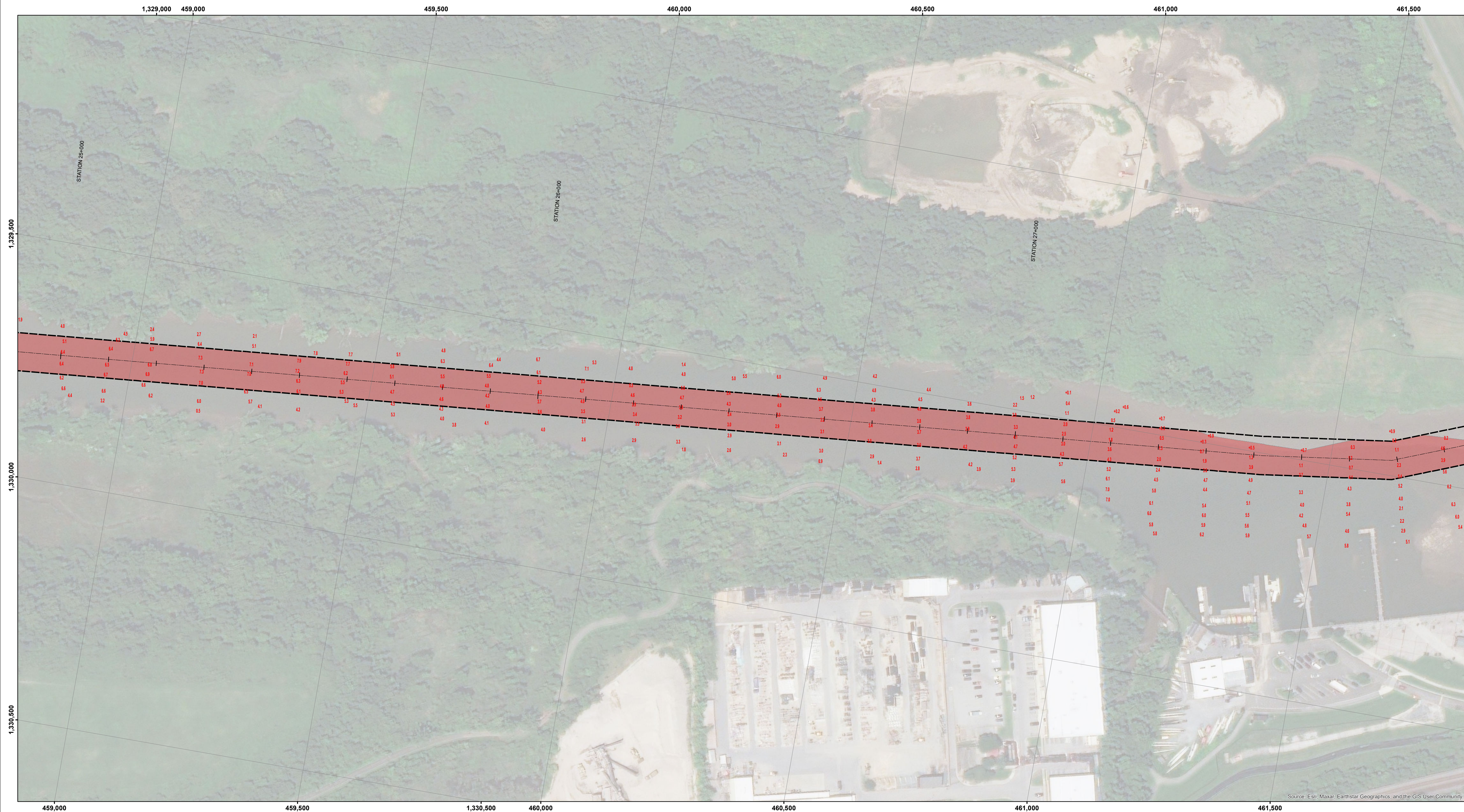
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Revision Number:
4.2-20200420

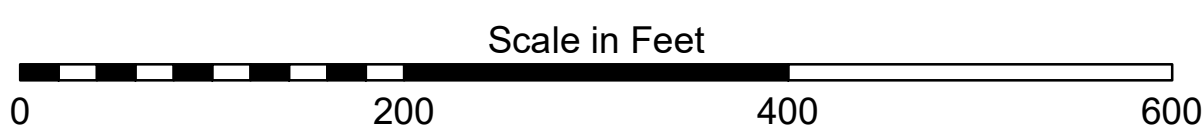
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Team	
	Chief, Survey/Debris Removal Section	

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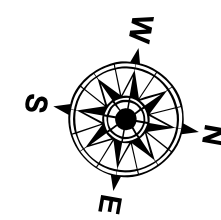
LEGEND	
--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
--- Federal Navigation Channel Centerline	◆ Green Navigation Buoy
— Contour Line	◆ Nun
■ Shoaling Area	◆ Can
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	■ Green Day Beacon



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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
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No 5 1973	9.17	Warner 1	7.97
4900 K 2010	10.79	104K-03	5.57
4900F 1982	13.61	104-F-1	5.15
GOLF	12.90		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37

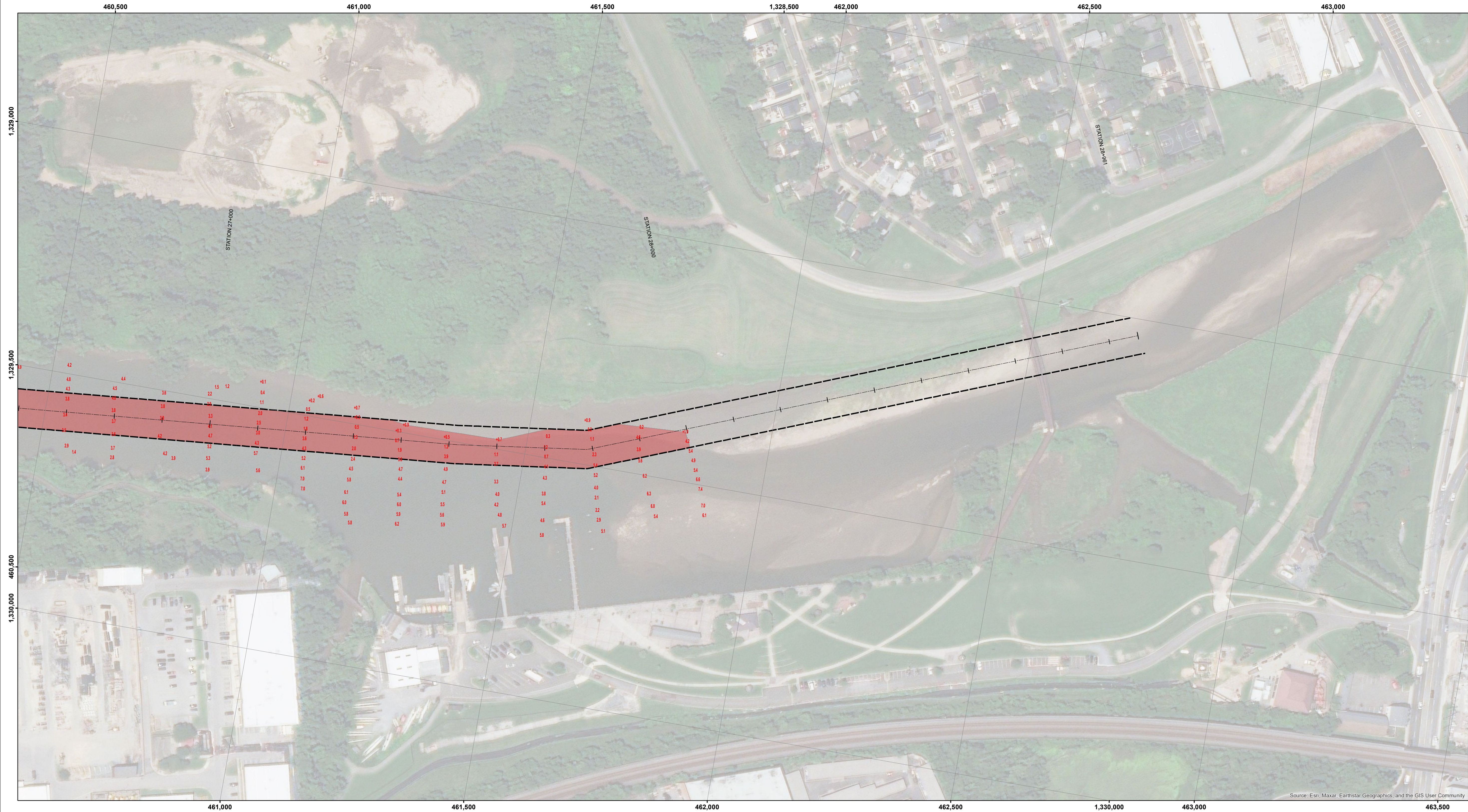


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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted By:	Surveyed By:	
Recommended By:	Plotted By:	
Approved By:	Chief, Survey Team	
	Chief, Survey/Debris Removal Section	

WASHINGTON D.C.
Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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LEGEND

--- Federal Navigation Channel Toe

--- Federal Navigation Channel Centerline

— Contour Line

■ Shoaling Area

● Shoalest Sounding

◆ Red Navigation Buoy

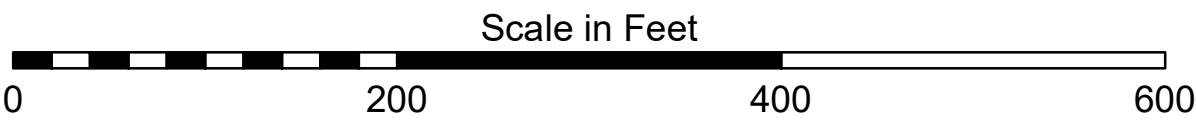
◆ Green Navigation Buoy

◆ Nun

◆ Can

▲ Red Day Beacon

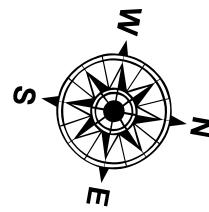
■ Green Day Beacon



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TIDAL BENCH MARK			
Stations 0+00 to 40+00		Stations 40+00 to 17+900	
BENCH MARK	MLLW ELEV.	BENCH MARK	MLLW ELEV.
No 5 1973	9.17	Warner 1	7.97
4900 K 2010	10.79	104K-03	5.57
4900 F 1982	13.61	104-F-1	5.15
GOLF	12.90		
Stations 17+400 to 28+961		BENCH MARK	MLLW ELEV.
		104-3C	11.37
		104-1A	10.32
		104-2B	11.37



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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	
Submitted: _____	Surveyed By: _____
Recommended: _____	Plotted By: _____
Approved: _____	Checked By: _____

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Anacostia River Basin
MD_69_104_20220509_CS
09 May 2022

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Number
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ANACOSTIA RIVER BASIN CHANNEL GEOMETRY

Left Geometry		Centerline Geometry			Right Geometry	
Easting	Northing	Station	Easting	Northing	Easting	Northing
1317094.57	440321.52	0+00.00	1317114.76	440286.99	1317134.95	440252.46
1317396.81	440496.82	3+39.53	1317407.86	440458.38	1317418.91	440419.94
1318569.95	440833.95	15+60.15	1318580.99	440795.51	1318592.04	440757.07
1319847.51	441103.60	28+78.48	1319870.83	441068.16	1319894.15	441032.73
1320212.06	441583.73	35+02.49	1320248.17	441565.15	1320284.28	441546.56
1320441.04	441927.03	40+09.88	1320529.35	441987.50	1320569.44	441975.54
1320529.35	441987.50	42+45.90	1320448.37	442209.20	1320487.42	442200.07
1320425.74	442271.15	43+38.92	1320475.98	442298.02	1320511.09	442276.23
1320440.93	442319.83	53+85.14	1321231.44	443021.80	1321260.59	442994.33
1321202.61	443049.64	68+47.78	1322179.22	444135.82	1322214.07	444115.05
1322144.46	444156.81	79+66.18	1322583.88	445178.44	1322622.48	445167.33
1322545.28	445189.55	97+13.58	1322914.38	446894.30	1322953.38	446885.30
1322876.63	446907.93	108+10.61	1323199.71	447953.58	1323241.18	447953.74
1323157.96	447952.36	112+08.17	1323081.00	448333.00	1323119.00	448345.51
1323041.03	448326.78	117+85.91	1322993.00	448904.00	1323034.00	448898.00
1322952.00	448908.00	123+35.45	1323205.00	449411.00	1323240.00	449391.00
1323170.00	449431.00	129+55.28	1323582.00	449903.00	1323615.00	449880.00
1323549.00	449925.50	133+55.56	1323798.00	450240.00	1323833.00	450222.00
1323761.00	450258.00	146+34.36	1324248.00	451437.00	1324078.00	450872.00
1324003.50	450901.50	165+55.31	1325285.00	453054.00	1324284.00	451419.00
1324212.00	451455.00	179+09.44	1325564.35	454379.01	1325322.00	453038.00
1325247.00	453069.00	183+32.21	1325875.57	454607.87	1325467.00	453722.00
1325388.00	453739.00	190+44.87	1326585.00	454540.00	1325603.24	454370.37
1325524.96	454386.87	196+44.43	1327184.00	454566.00	1325871.53	454567.66
1325879.11	454647.30	201+11.50	1327631.04	454701.29	1326584.00	454500.00
1326586.00	454580.00	205+24.10	1327978.42	454915.34	1327191.00	454526.00
1327177.00	454605.00	210+16.57	1328318.00	455272.00	1327642.38	454662.62
1327619.20	454739.18	226+71.62	1329367.08	456552.09	1328007.15	454887.38
1327949.18	454942.51	242+27.38	1329812.07	458002.18	1328250.00	455143.00
1328192.00	455198.00	275+96.13	1329505.28	461356.93	1328503.00	455340.00
1328348.00	455467.00	290+48.51	1329034.79	462716.04	1328667.00	455540.00
1328509.00	455663.00				1329127.00	456102.00
1328973.00	456228.00				1329208.00	456294.00
1329146.00	456345.00				1329397.76	456526.34
1329335.90	456577.06				1329851.65	458005.43
1329771.99	457998.15				1329803.00	458534.00
1329724.00	458527.00				1329544.86	461360.18
1329465.20	461352.90				1329507.26	461633.72
1329428.47	461619.83				1329068.10	462737.41
1329000.98	462693.89					