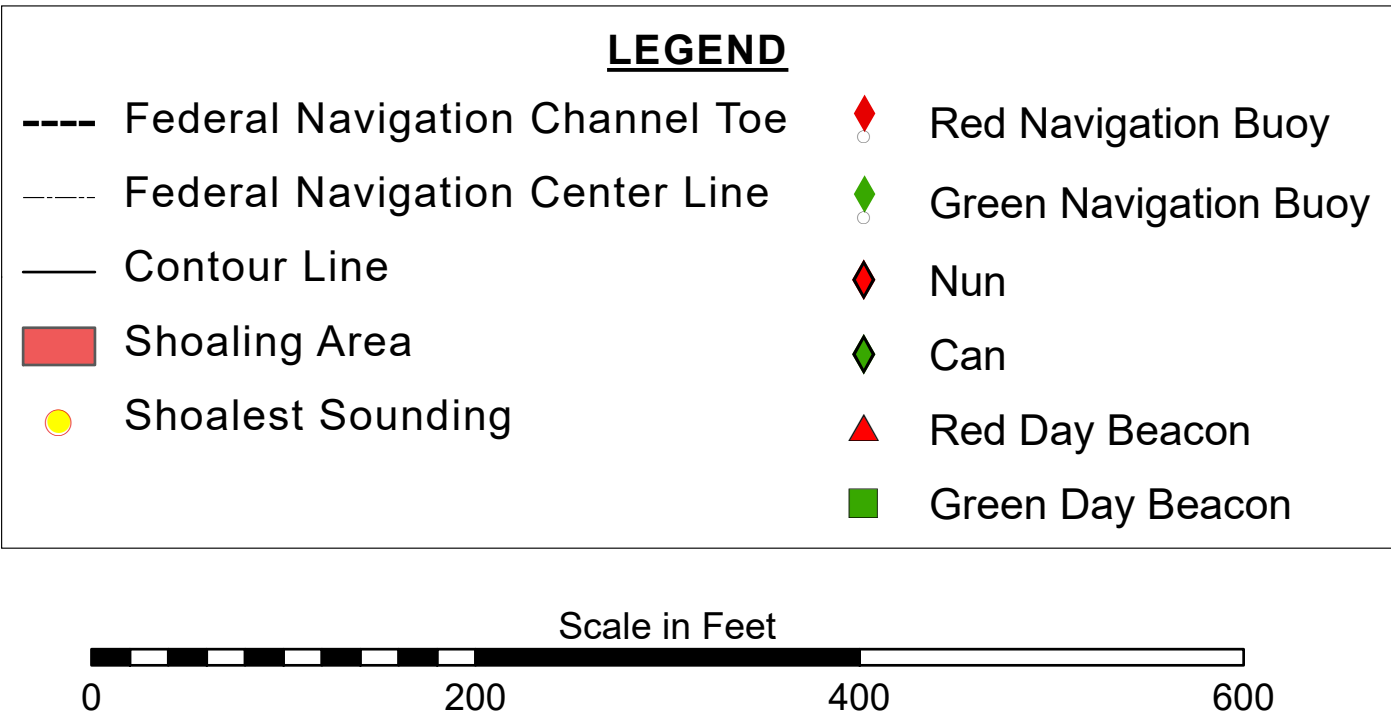
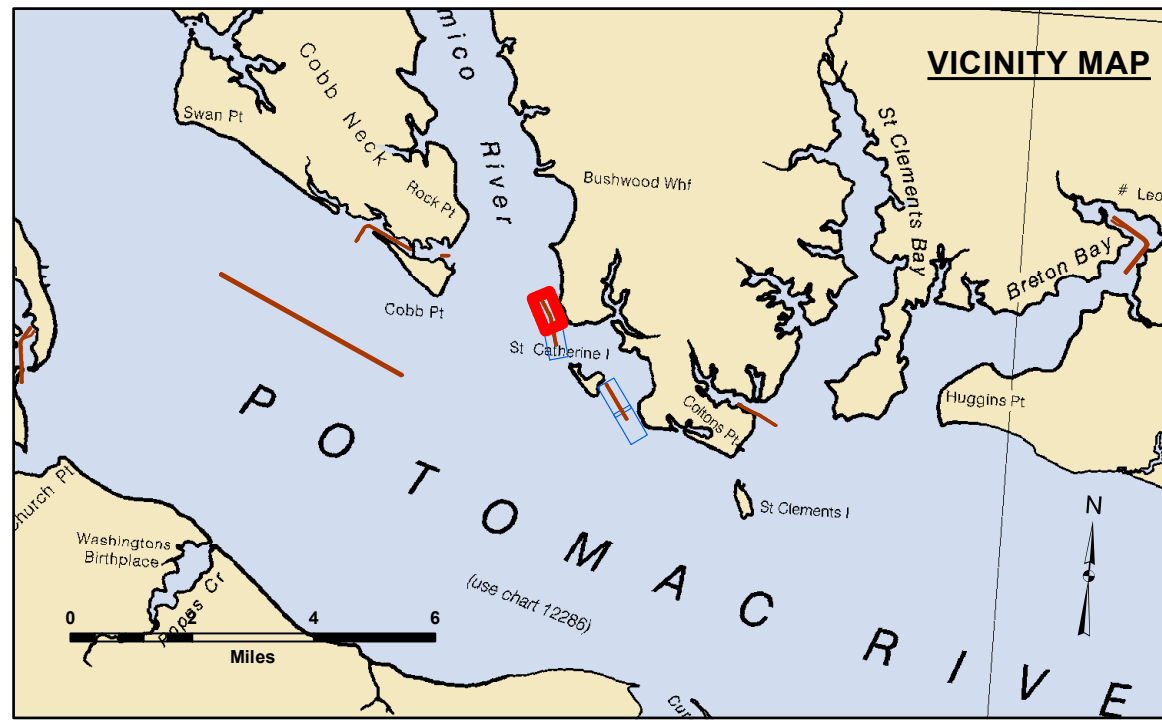
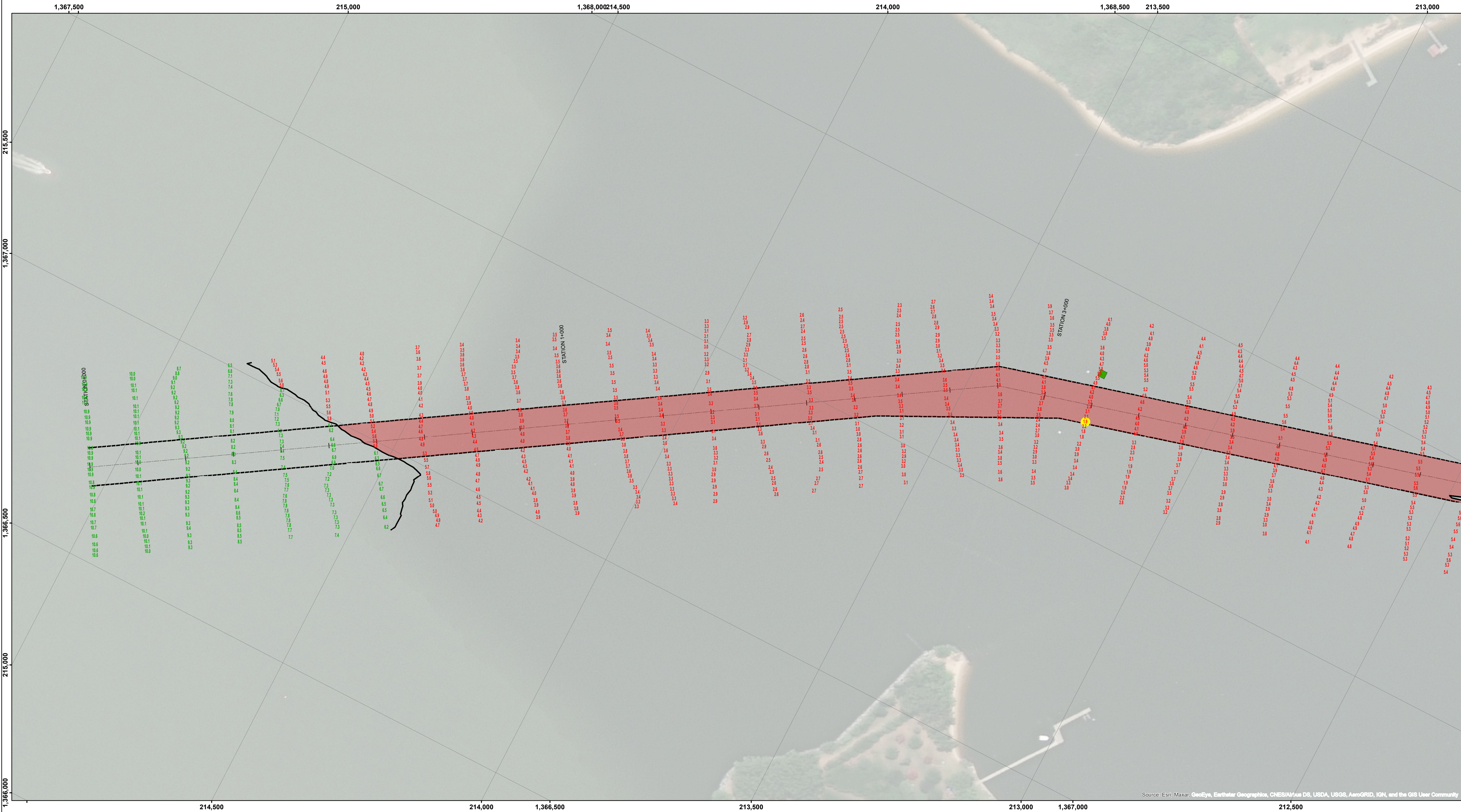




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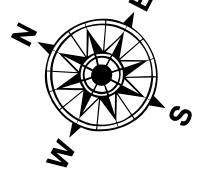
1. STATIONS ARE AT 1000' INTERVALS.
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3. VERTICAL DATUM: M.L.L.W., FOR THE '83 TO '01 TIDAL EPOCH.
4. HORIZONTAL DATUM: NORTH AMERICAN 1983 DATUM, MARYLAND STATE PLANE COORDINATE SYSTEM.
5. SURVEYED BY THE HYDRO II USING A TRIMBLE GLOBAL POSITIONING SYSTEM.
6. THE BOTTOM WAS DEFINED BY AN ODOM 200KHZ ECHOSOUNDER.
7. PROJECT DEPTH: 6 FEET.
8. CHANNEL WIDTH IS 80 TO 100 FEET.
9. TIDE OBSERVED AT THE BOAT RAMP AT END OF RTE. 520.

TIDAL BENCH MARK

TIDAL BENCH MARK IS BENCH MARK STRYPER. BENCH MARK IS A STANDARD SURVEY DISK STAMPED "STRYPER 1998". FROM THE INTERSECTION OF RTE. 238 AND 242, NEAR MILESTOWN, ST. MARYS COUNTY, MD., TRAVEL SOUTH ON LAST MENTIONED ROAD ABOUT 1 MILE TO RTE. 239. TURN RIGHT, GO ABOUT 0.5 MILES TO RTE. 520. TURN LEFT, TRAVEL ABOUT 2.5 MILES TO THE END OF SAID ROAD AND ASPHALT PAVING. MONUMENT "STRYPER" IS ON THE LEFT, W 59.35 FT. FROM UTILITY POLE #64 AND S 70.70 FT. FROM UTILITY POLE #13.

BENCH MARK ELEV. IS 2.71' FOR THE '83-'01 TIDAL EPOCH. COMPUTED USING GEOID12B.

BENCH MARK	MLLW ELEV.
STRYPER	2.71'
BAILEY	4.27'
VIXEN	2.84'



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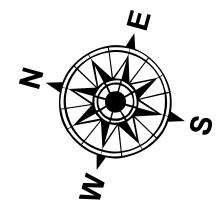
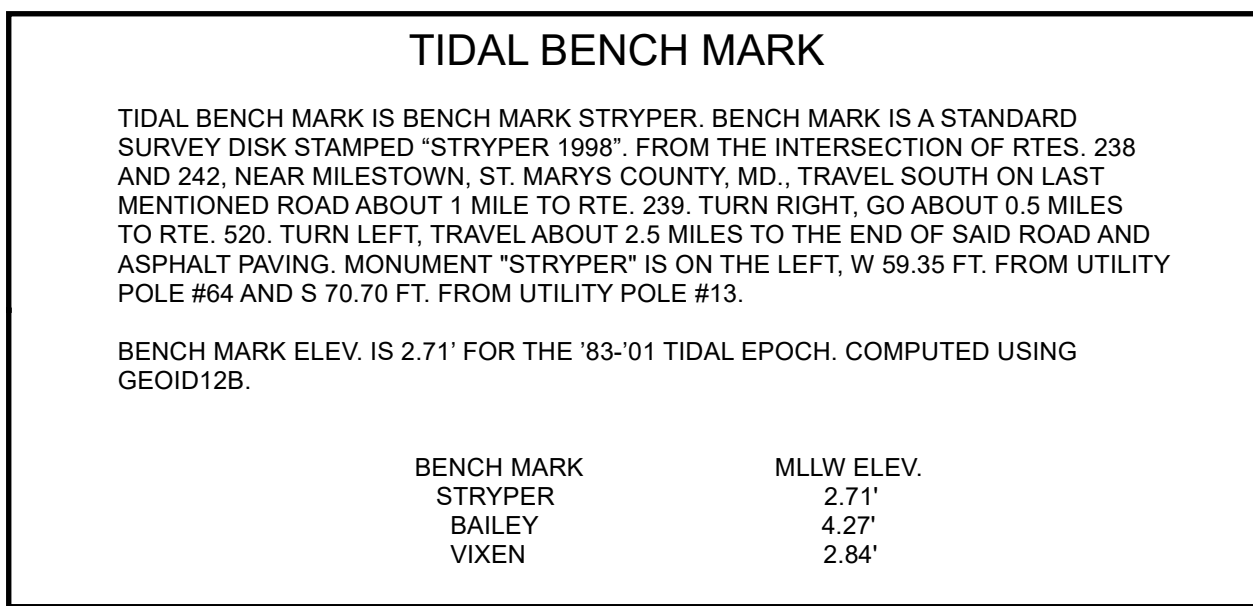
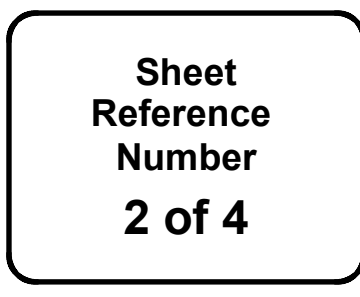
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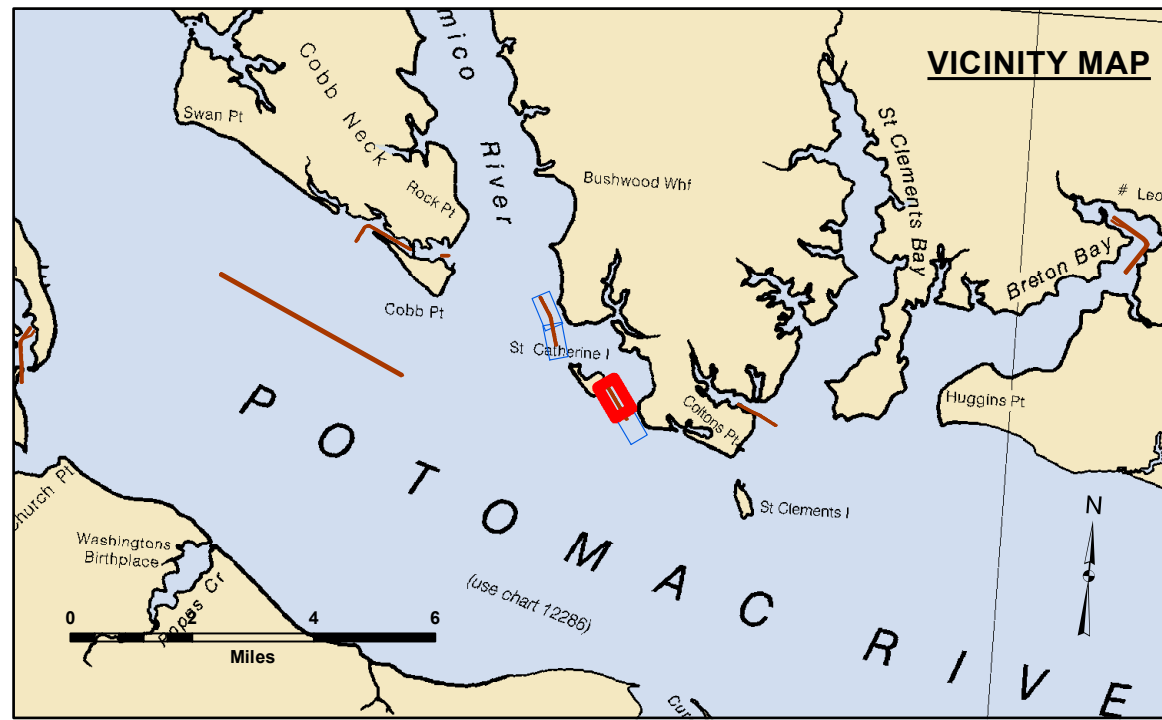
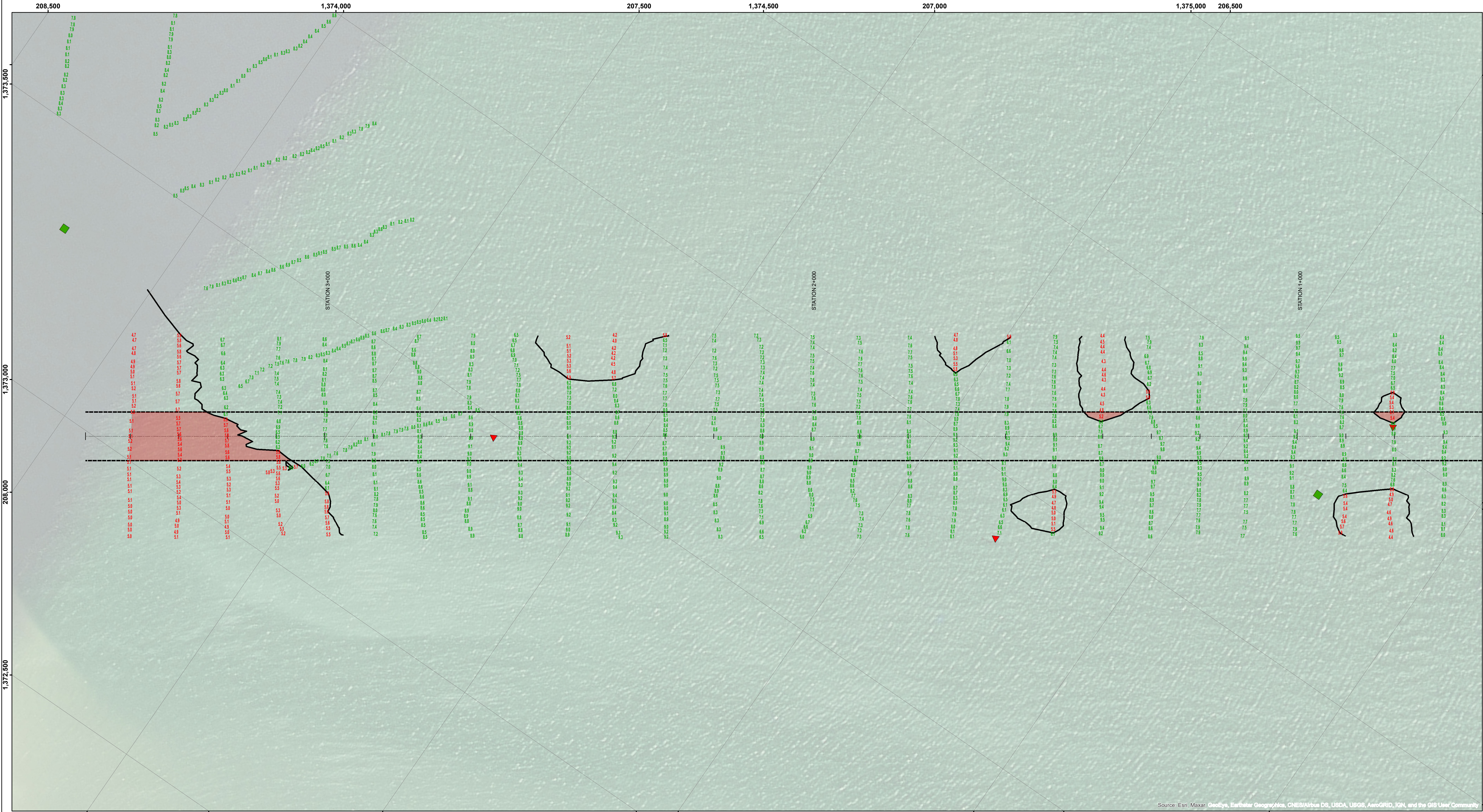
U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Team	
	Chief, Survey/Debris Removal Section	

ST. MARY'S COUNTY
Saint Catherine Sound
MD_72_110_20210708_CS
08 July 2021

Sheet
Reference
Number
1 of 4

Revision Number:
4.2-20200420





LEGEND

----- Federal Navigation Channel Toe	◆ Red Navigation Buoy
..... Federal Navigation Center Line	◆ 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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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Survey Team	
	Chief, Survey/Debris Removal Section	

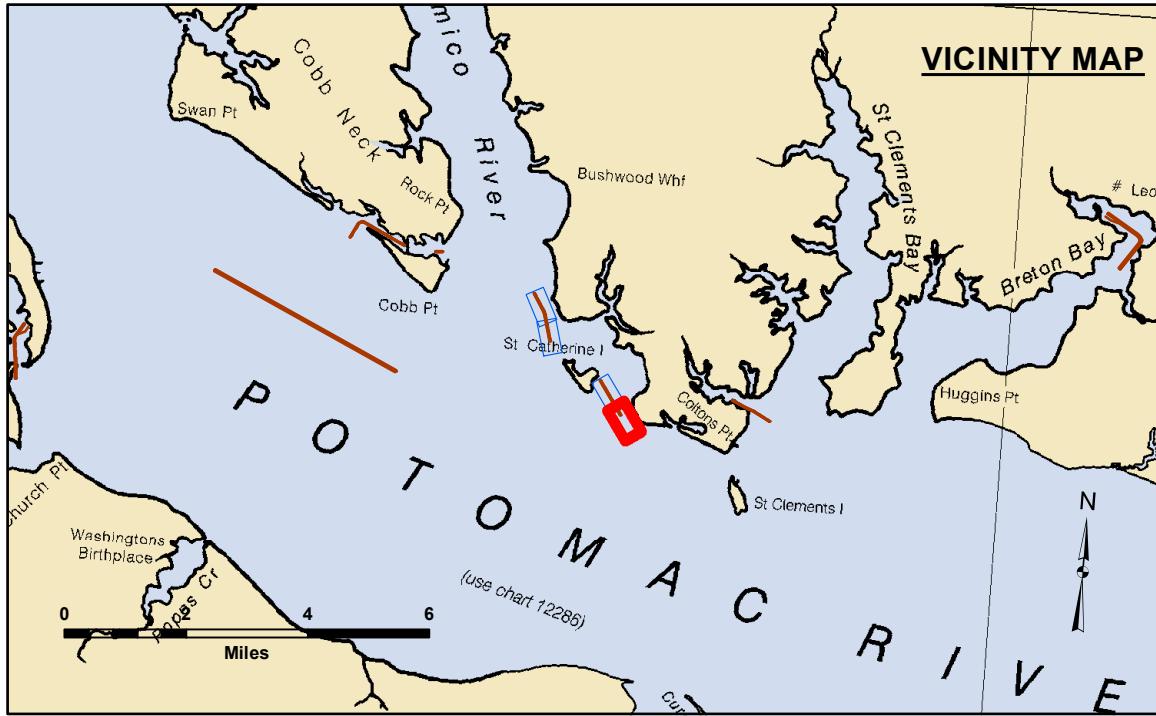
ST. MARY'S COUNTY
Saint Catherine Sound
MD_72_110_20210708_CS
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Sheet
Reference
Number
3 of 4

Revision Number:
4.2-20200420



Source: Esri, Maxar, GeoEye, Earthstar, Geographic, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



LEGEND

--- Federal Navigation Channel Toe	◆ Red Navigation Buoy
— Federal Navigation Center Line	◆ 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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U.S. ARMY CORPS OF ENGINEERS BALTIMORE DISTRICT	
Submitted:	Surveyed By:
Recommended:	Plotted By:
Approved:	Checked By:

ST. MARY'S COUNTY
Saint Catherine Sound
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Number
4 of 4

ST. CATHERINE'S (LOWER) CHANNEL COORDINATES

LEFT SIDE		CENTERLINE				RIGHT SIDE	
Easting (X)	Northing (Y)	Station	Easting (X)	Northing (Y)		Easting (X)	Northing (Y)
1374934.67	205040.51	0+000.00	1374975.80	205068.94		1375016.93	205097.37
1372949.25	207912.93	3+491.80	1372990.38	207941.36		1373031.51	207969.79

ST. CATHERINE'S (UPPER) CHANNEL COORDINATES

LEFT SIDE		CENTERLINE			RIGHT SIDE	
Easting (X)	Northing (Y)	Station	Easting (X)	Northing (Y)	Easting (X)	Northing (Y)
1366713.10	215066.20	0+000.00	1366679.30	215044.70	1366645.50	215023.30
1367734.50	213456.80	1+900.13	1367697.50	213440.40	1367524.40	213638.50
1368401.60	211034.70	4+406.41	1368363.00	211024.10	1367696.10	213294.80
					1368324.50	211013.50