

- DRAWING NOTES:**
1. INFORMATION DEPICTED ON THIS DRAWING REPRESENTS RESULTS OF SOUNDINGS ON DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
  2. DATA REDUCED TO 1" x 1" SORT FILE USING NEAREST SOUNDING SELECTION.
  3. BACKGROUND IMAGE GENERATED FROM GOOGLE EARTH AND SHOULD BE CONSIDERED APPROXIMATE.
  4. CONTOURS REPRESENT ELEVATIONS ABOVE IGLD85.



INFO / EQUIPMENT		PROJECT DETAILS	
SURVEY DATE:	12/21 - 12/21	HORIZONTAL DATUM:	NAD83
PERSONNEL:	SF EL	GRID:	M SOUTH
VESSEL:	MARY ROSE / Z-BOAT	VERTICAL DATUM:	IGLD85
ECHOSOUNDER:	DOOM DV100	REFERENCE PLANE:	NA
SONAR FREQUENCY:	200 KHZ	UNITS:	US SURVEY FT
SOUND VELOCITY:		BASE POINT:	M IRS NETWORK
POSITIONING:	APOLARIS POSIM RTY POSITIONING	WL REFERENCE FT:	BOVER SHOT

REVISIONS

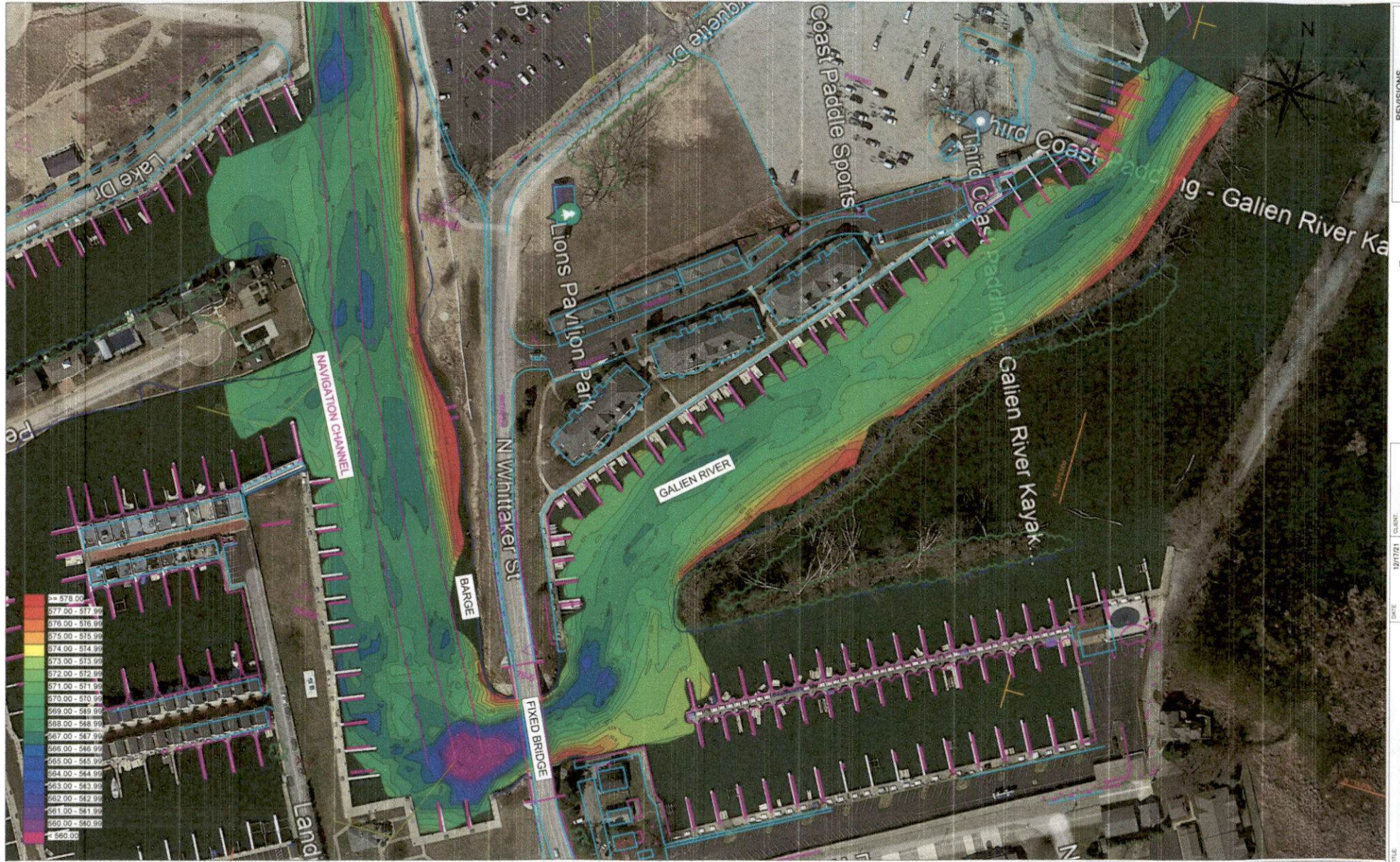

**seaworks**  
 HYDROGRAPHIC • GEOPHYSICAL • ENVIRONMENTAL  
 185 E MAIN ST. STE 414, BENTON HARBOR, MI 49622  
 269-277-3005



DATE:	12/17/21	CLIENT:	NEW BUFFALO HARBOR CONSULTANTS
DRAWN BY:	SFM	PROJECT:	NEW BUFFALO HARBOR
APPROVED BY:	CFE	DATE:	10/14/21
SCALE:	1"=50'	FILE:	NEW BUFFALO Harbor.dwg

**JOB TITLE:**  
 NEW BUFFALO HARBOR  
 GALIEN RIVER, NEW BUFFALO, MI  
**DRAWING TITLE:**  
 BATHYMETRIC HARBOR SURVEY  
 PLAN VIEW PLOT

SHEET #:  
**P1**  
 PAGE 1 OF 2



- DRAWING NOTES:**
1. INFORMATION DEPICTED ON THIS DRAWING REPRESENTS RESULTS OF SOUNDINGS ON DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
  2. DATA REDUCED TO F \* T SORT FILE USING NEAREST SOUNDING SELECTION.
  3. BACKGROUND IMAGE GENERATED FROM GOOGLE EARTH AND SHOULD BE CONSIDERED APPROXIMATE.
  4. CONTOURS REPRESENT ELEVATIONS ABOVE KGLDS.



INFO / EQUIPMENT	PROJECT DETAILS
SURVEY DATE: 12/21 - 12/21	HORIZONTAL DATUM: NAD83
PERSONNEL: SF JL	GRID: M SOUTH
VESSEL: MARY ROSE / Z-BOT	VERTICAL DATUM: SOLDBS
ECHOSOUNDER: COTM OY100	REFERENCE PLANE: NA
SONAR FREQUENCY: 200 KHZ	UNITS: M SURVEY FT
SOUND VELOCITY:	BASE POINT: M VRS NETWORK
POSITIONING: APPLANS POS NAV	WL REFERENCE FT: RIDER BRCT
RTS POSITIONING	

REVISIONS


**seaworks**  
 HYDROGRAPHIC • GEOPHYSICAL • ENVIRONMENTAL  
 185 E. MAIN ST. STE 414, BENTON HARBOR, MI 48022  
 269-277-3005



DATE: 12/17/21	CLIENT: NEW BUFFALO HARBOR COASTAL TRUSTS
DRAWN BY: SPM	SCALE: 1:50
APPROVED BY: CFE	JOB #: 10141
FILE: NB_HARBOR_PLAN	

PROJECT TITLE: NEW BUFFALO HARBOR GALIEN RIVER, NEW BUFFALO, MI  
 DRAWING TITLE: BATHYMETRIC HARBOR SURVEY PLAN VIEW PLOT

SHEET #  
**P2**  
 PAGE 2 OF 2