

- DRAWING NOTES:**
1. INFORMATION DERIVED 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' FOOT GRID USING MEANSEA LEVEL SOUNDING REFLECTION.
 3. BOUNDARIES MADE DEDUCTED FROM CROSS-BEAMING AND SHOULD BE CONSIDERED APPROXIMATE.
 4. CONTOURS REPRESENT DEPTH RELATIONSHIP DATA (SPT 3 BEAMS).

INFO/EQUIPMENT	
DATE	2023
PERSONNEL	WBE
VEHICLE	2023 RZR
SOUNDING EQUIPMENT	SONAR
BOUNDARY EQUIPMENT	SONAR
POSITIONING	GPS
DATA STORAGE	SD

PROJECT DETAILS	
HORIZONTAL DATUM	NAD83
VERTICAL DATUM	MSL
PROJECTION	UTM
SCALE	1:50
DATE	2023
BY	WBE
CHECKED	WBE
DATE	2023
APPROVED	WBE
DATE	2023

P2 SHEET #	JOB TITLE: NEW BUFFALO HARBOR GALIEN RIVER, NEW BUFFALO, MI	DATE: 3/31/23	CLIENT: 	 HYDROGRAPHIC • GEOPHYSICAL • ENVIRONMENTAL 185 E. MAIN ST., STE 414, BENTON HARBOR, MI 49022 269-277-3005	REVISIONS _____ _____ _____ _____ _____
	DRAWING TITLE: SPRING 2023 HYDROGRAPHIC SURVEY PLAN VIEW PLOT	DRAWN BY: SPM	APPROVED BY: CFE		
PAGE 2 OF 2		JOB #: 10191	FILE #: NB_2023_DHDG		

NO.	DATE	REVISIONS

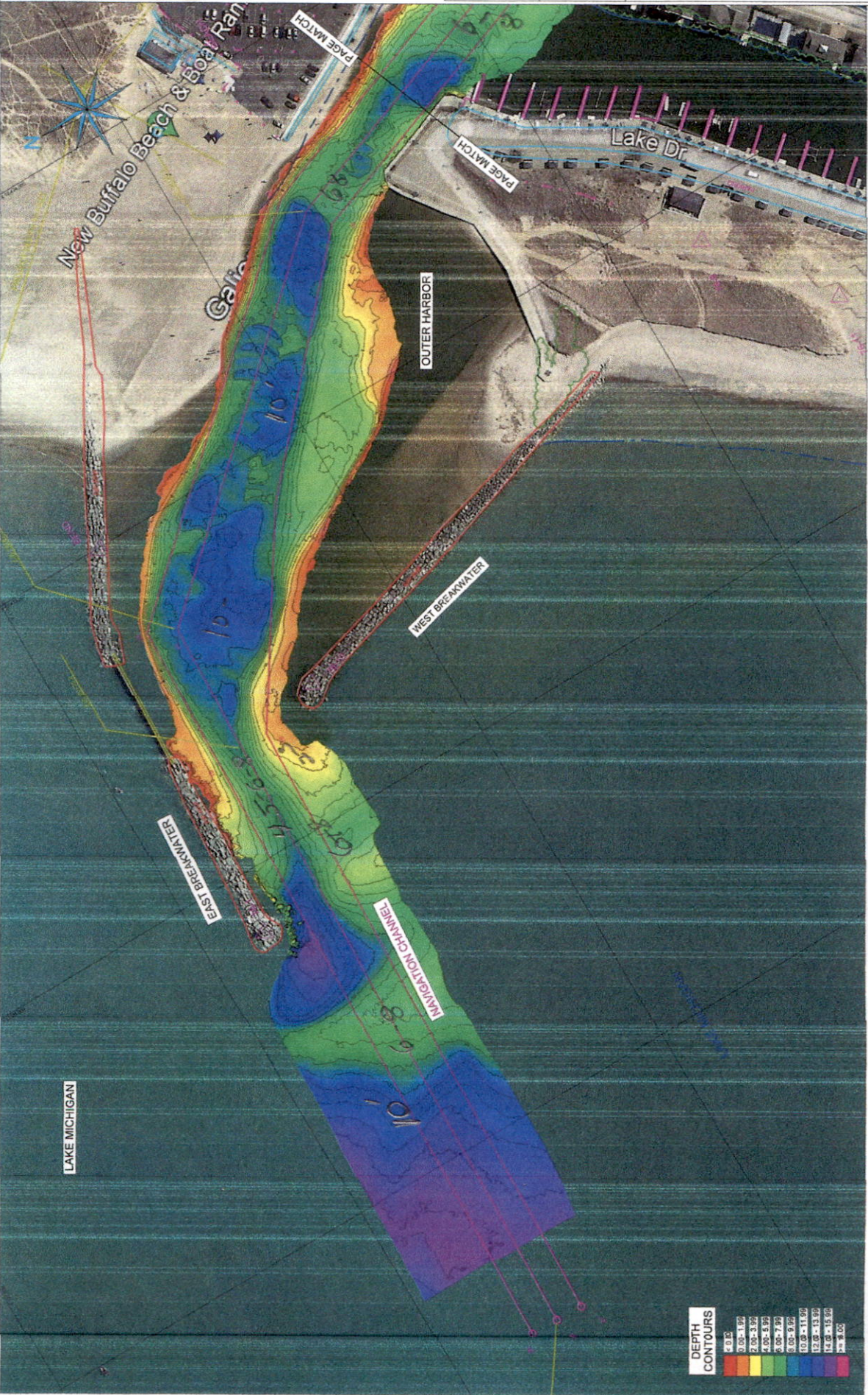
seaworks
HYDROGRAPHIC • GEOPHYSICAL • ENVIRONMENTAL
185 E. MAIN ST. STE 414 BENTON HARBOR, MI 49022
269-277-3005



DATE	2/21/23
DRAWN BY	SPM
APPROVED BY	CFE
SCALE	1:50
JOB #	10191
FILE NAME / PROJECT	

NEW BUFFALO HARBOR
GALLEN RIVER, NEW BUFFALO, MI
SPRING 2023 HYDROGRAPHIC SURVEY
PLAN VIEW PLOT

PROJECT TITLE
SHEET #
P1
PAGE 1 OF 2



PROJECT DETAILS

HORIZONTAL DATUM	NAD83
VERTICAL DATUM	JGD55
REFERENCE PLANE	LAST LOW WATER
UNITS	US SURVEY FT
BASE POINT	14027 COGS VLS
WAVE REFERENCE FT	1000

INFO / EQUIPMENT

SURVEY DATE	2023
PERSONNEL	JOB EL
BOAT	
SONAR FREQUENCY	400 KHZ
SONAR VELOCITY	1475
POSITIONING	RTK



- DRAWING NOTES**
1. INFORMATION DERIVED ON THIS DRAWING REPRESENTS RESULTS OF SURVEYS ON DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
 2. DATA REDUCED TO 1" 1" SORT FILE USING MESSAGE SOUNDING SELECTION.
 3. BACKGROUND IMAGE GENERATED FROM GOOGLE EARTH AND SHOULD BE CONSIDERED APPROXIMATE.
 4. CONTOURS REPRESENT DEPTH BELOW CHART DATUM (BTT & OLDM).

DEPTH CONTOURS

0.00 - 1.00
1.00 - 2.00
2.00 - 3.00
3.00 - 4.00
4.00 - 5.00
5.00 - 6.00
6.00 - 7.00
7.00 - 8.00
8.00 - 9.00
9.00 - 10.00
10.00 - 11.00
11.00 - 12.00
12.00 - 13.00
13.00 - 14.00
14.00 - 15.00
15.00 - 16.00