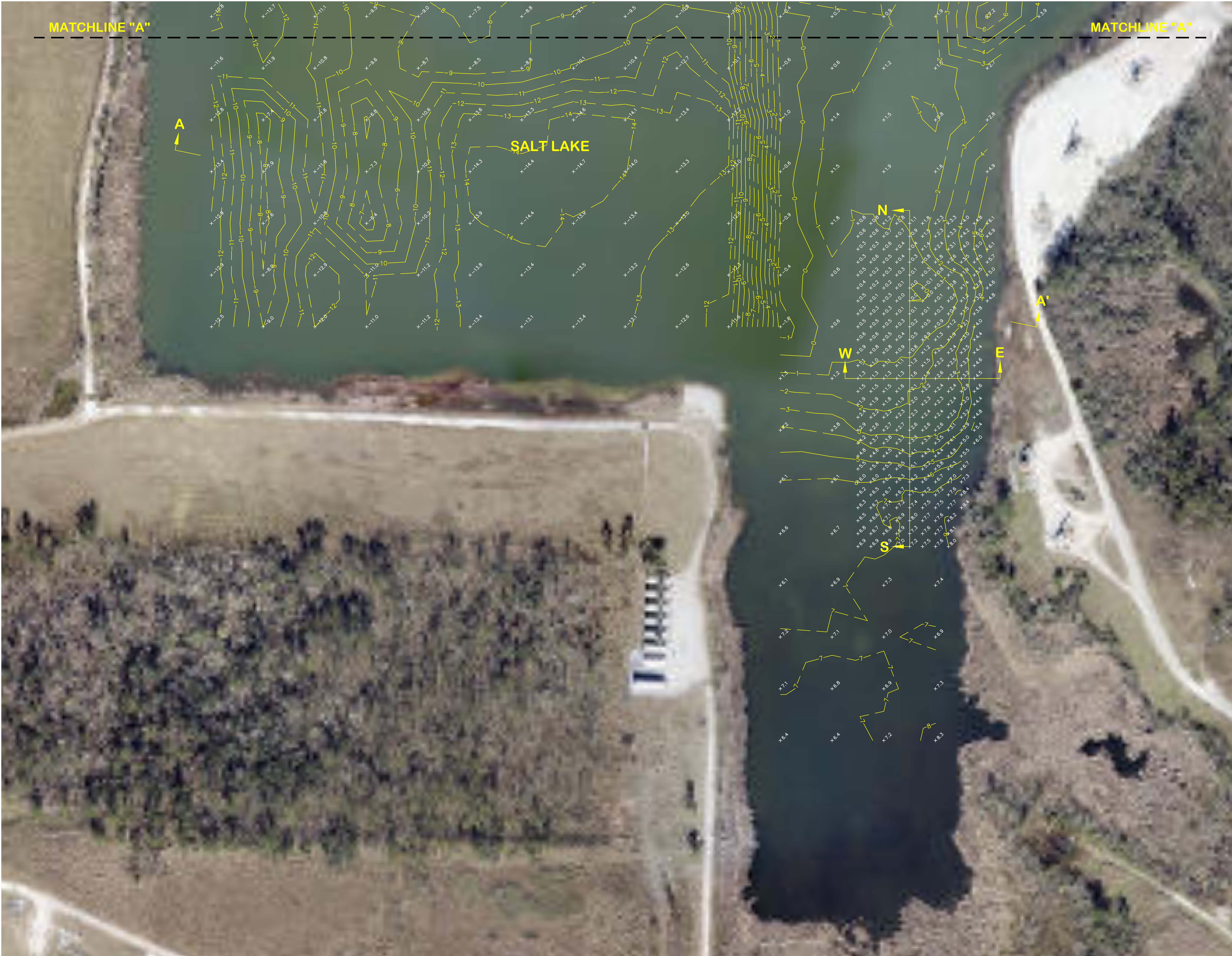




MATCHLINE "A"

SALT LAKE

N

W

E

A'

A circular professional seal for David W. Sargent, a Professional Surveyor in the State of Louisiana. The seal features the state emblem of Louisiana in the center, surrounded by the text "STATE OF LOUISIANA" and "PROFESSIONAL SURVEYOR". Below the emblem, it reads "DAVID W. SARGENT" and "License No. 4509". A handwritten signature "David W. Sargent" is written across the bottom of the seal.

LEGEND

+13.7
-13.7

WATER BOTTOM ELEVATION (NAVD88)

1 FOOT CONTOUR LINE

5 FOOT CONTOUR LINE

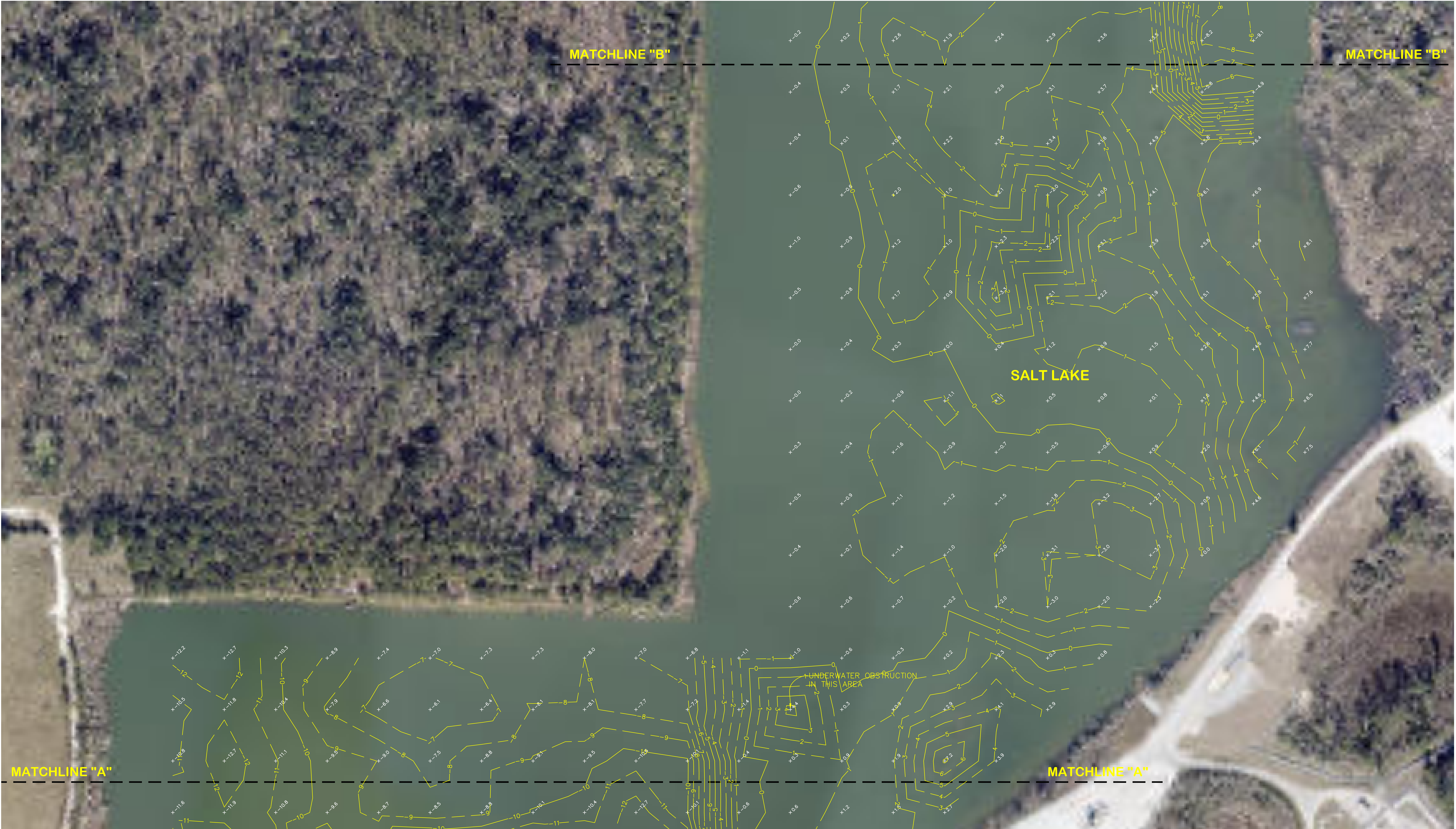
NOTES:

- 1) VERTICAL CONTROL IS REFERENCED TO SMS BENCHMARK NO. 3 (ELEV. 12.354' NAD 83 SOUTH ZONE 1702)
- 2) HORIZONTAL CONTROL IS REFERENCED TO NAD83 (2011), LOUISIANA
- 3) THE AERIAL IMAGE SHOWN HEREON WAS OBTAINED FROM COPP GIS. THE LOCATION IS APPROXIMATE.
- 4) DATES OF SURVEY: MAY 12 AND 23, 2025.
- 5) TOP OF WATER:
SALT LAKE - 05/12/2025 TOP OF WATER ELEVATION = 12.10
- 6) THE DATA SHOWN HEREON ARE ELEVATIONS.
- 7) SEE SHEETS 1 THROUGH 8 FOR PLAN VIEW DRAWINGS.
SEE SHEET 9 THROUGH 13 FOR CROSS SECTION VIEWS.
- 8) SOUNDINGS OF SALT LAKE WERE PERFORMED USING A CHM ECHOTRAC SONAR/CHIRP SONAR WITH A DUAL FREQUENCY TRANSDUCER. DATA WAS OBTAINED USING THE HIGH FREQUENCY (200 KHZ) AND CONVERTED TO ELEVATIONS THROUGH HYPOCH. BOTTOM ELEVATIONS OF CENTRAL LAKE WERE OBTAINED USING GPS.

DESIGNED:	<i>Pelican Land Surveying, L.L.C.</i> A Professional Land Surveying Firm PO Box 1747 Sulphur, LA 70664-1747 Phone/Fax 337-533-8116	
DRAWN: DWS		
CHECKED: EH		
APPROVED: DBS		
F.B. No.:		

**BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA**

			PROJECT NO.:	DATE:
			231206	MAY 27, 2025
			1" = 60'	1 OF 13
BY:	REVISIONS	DATE	SCALE:	SHEET:



LEGEND

WATER BOTTOM ELEVATION (NAVD88)

1 FOOT CONTOUR LINE

5 FOOT CONTOUR LINE



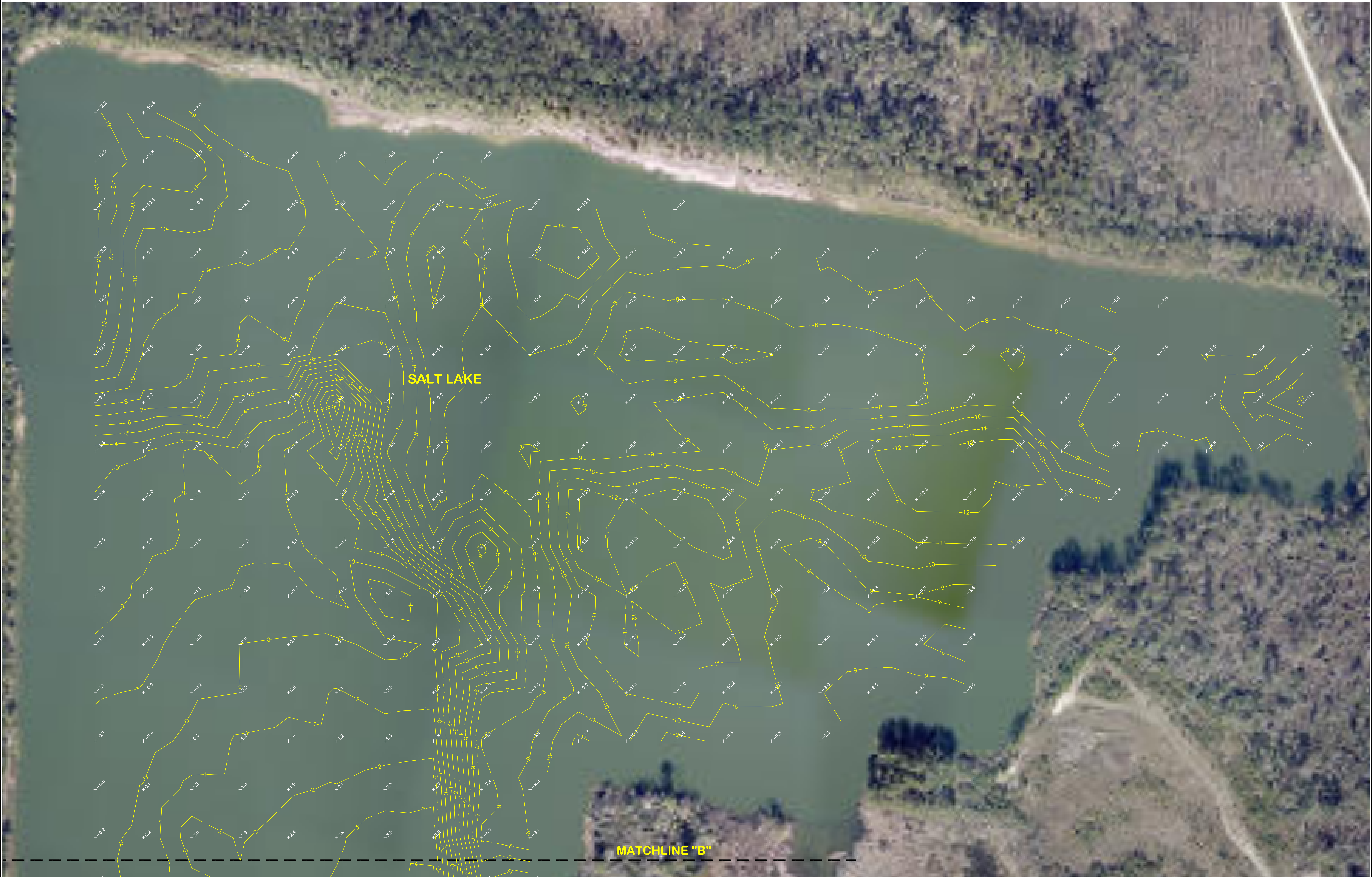
NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

DESIGNED:
DRAWN: DWS
CHECKED: EH
APPROVED: DBS
F.B. No.:

Pelican Land Surveying, L.L.C.
A Professional Land Surveying Firm
PO Box 1747
Sulphur, LA 70664-1747
Phone/Fax 337-533-8116

BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO:	DATE:
			231206	MAY 27, 2025
			1" = 60'	2 OF 13
BY:	REVISIONS:	DATE:	SCALE:	SHEET:



MATCHLINE "B"

LEGEND

WATER BOTTOM ELEVATION (NAVD88)

----- 1 FOOT CONTOUR LINE

———— 5 FOOT CONTOUR LINE

**BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA**

NOTE:
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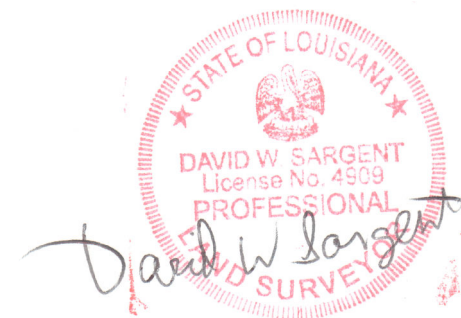
DESIGNED:	<i>Pelican Land Surveying, L.L.C.</i> A Professional Land Surveying Firm PO Box 1747 Sulphur, LA 70664-1747 Phone/Fax 337-533-8116	
DRAWN: DWS		
CHECKED: EH		
APPROVED: DBS		
F.B. No.:		

						PROJECT NO.:	DATE:
						231206	MAY 27, 2025
						1" = 60'	3 OF 13
BY		REVISIONS		DATE		SCALE:	张幅数:



DIFFERENCE BETWEEN JANUARY 2024 DATA AND MAY 2025 DATA

LEGEND				
Color	Range Beg.	Range End	Percent	Area
■	-3.00	-2.00	0.0	1149.37
■	-2.00	-1.00	0.2	8552.66
■	-1.00	0.00	8.2	409678.20
■	0.00	1.00	89.6	4485878.67
■	1.00	2.00	1.8	91147.75
■	2.00	3.00	0.2	8599.89



DIFFERENTIAL HEAT MAP - SALT LAKE

NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DIFFERENCE BETWEEN JANUARY 2024 DATA AND MAY 2025 DATA					
Color			LEGEND		
Color	Range	Beg.	Range End	Percent	Area
■	-3.00	-2.00	-2.00	0.0	1149.37
■	-2.00	-1.00	-1.00	0.2	8552.66
■	-1.00	0.00	0.00	8.2	409678.20
■	0.00	1.00	1.00	89.6	4485878.67
■	1.00	2.00	2.00	1.8	91147.75
■	2.00	3.00	3.00	0.2	8599.69



DIFFERENTIAL HEAT MAP - SALT LAKE

NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DIFFERENCE BETWEEN JANUARY 2024 DATA AND MAY 2025 DATA					
LEGEND					
Color	Range	Beg.	Range End	Percent	Area
■	-3.00	-2.00	0.0	1149.37	
■	-2.00	-1.00	0.2	8552.66	
■	-1.00	0.00	8.2	409678.20	
■	0.00	1.00	89.6	4485878.67	
■	1.00	2.00	1.8	91147.75	
■	2.00	3.00	0.2	8599.89	

DIFFERENTIAL HEAT MAP - SALT LAKE



NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DESIGNED:	
DRAWN: DWS	
CHECKED: EH	
APPROVED: DBS	
F.I.B. No.:	

Pelican Land Surveying, L.L.C.

A Professional Land Surveying Firm

PO Box 1747

Sulphur, LA 70664-1747

Phone/Fax 337-533-8116

				PROJECT NO.: 231208	DATE: MAY 27, 2025
				1" = 50'	7 OF 13
BY:		REVISIONS	DATE	SCALE:	SHEET:



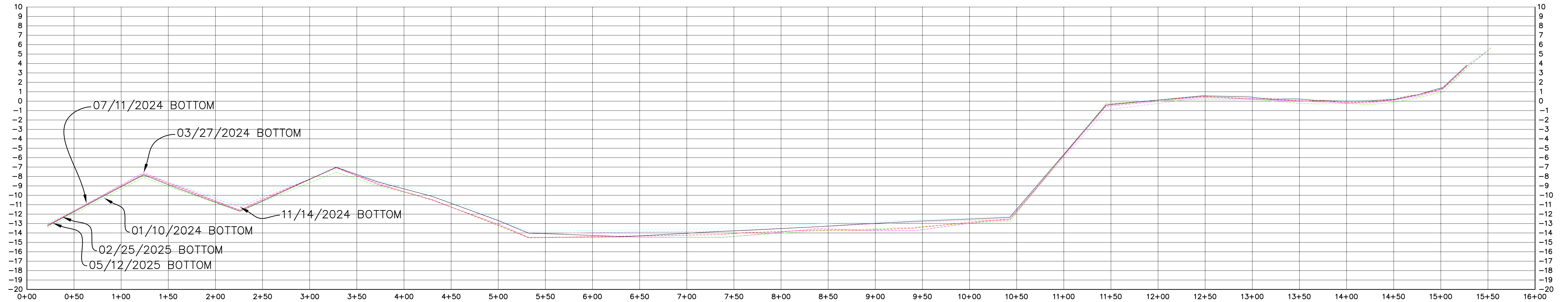
DIFFERENCE BETWEEN JANUARY 2024 DATA AND MAY 2025 DATA

LEGEND				
Color	Range	Beg.	Range End	Percent
■	−6.30	−5.00	0.1	233.66
■	−5.00	−4.50	0.1	214.98
■	−4.50	−4.00	0.1	284.47
■	−4.00	−3.50	0.1	353.89
■	−3.50	−3.00	0.2	423.30
■	−3.00	−2.50	0.2	492.71
■	−2.50	−2.00	0.4	1029.81
■	−2.00	−1.50	1.2	3398.58
■	−1.50	−1.00	4.5	12283.44
■	−1.00	−0.50	36.4	99058.47
■	−0.50	0.04	56.7	154421.35



NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

DIFFERENTIAL HEAT MAP - CENTRAL LAKE

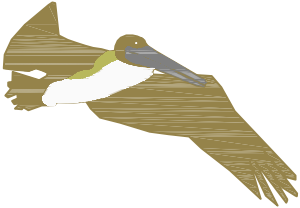


CROSS SECTION A-A'
SALT LAKE

SCALE:
HORIZONTAL 1" = 50'
VERTICAL 1" = 5'

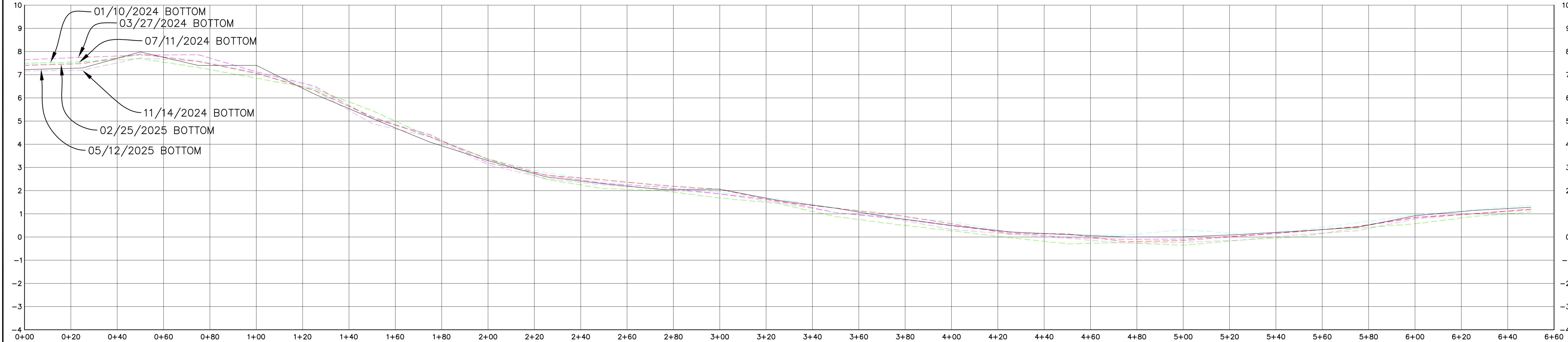


NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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CHECKED: EH		
APPROVED: DBS		
F.B. No.:		

BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	MAY 27, 2025
			AS SHOWN	9 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:

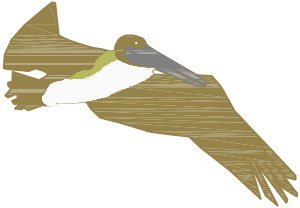


CROSS SECTION S-N
SALT LAKE

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

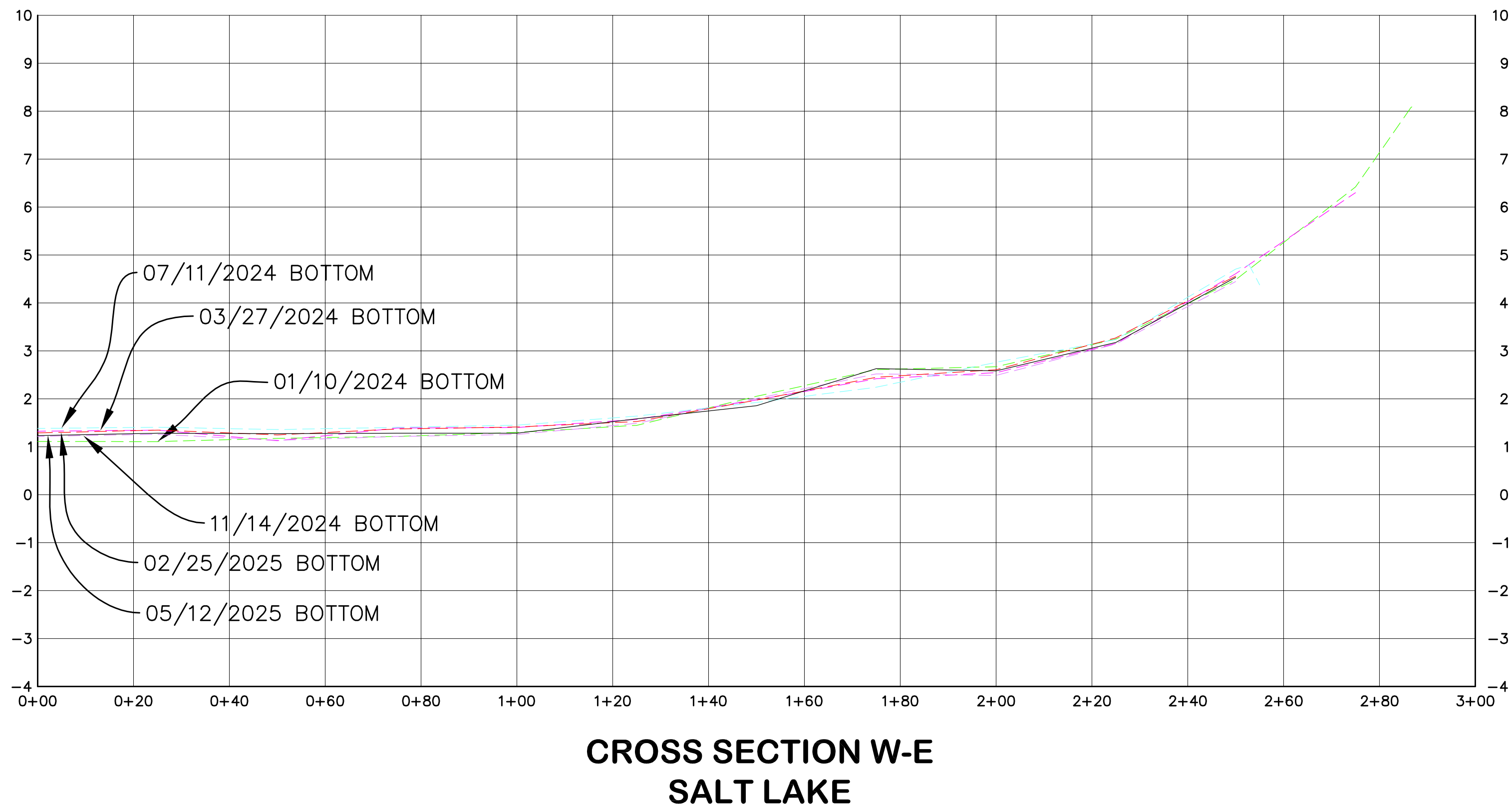


NOTE:
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DRAWN: DWS	
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F.B. No.:	

BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

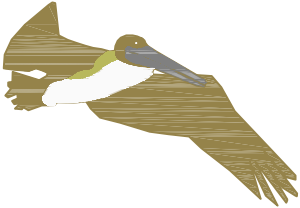
			PROJECT NO.:	DATE:
			231206	MAY 27, 2025
			AS SHOWN	10 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

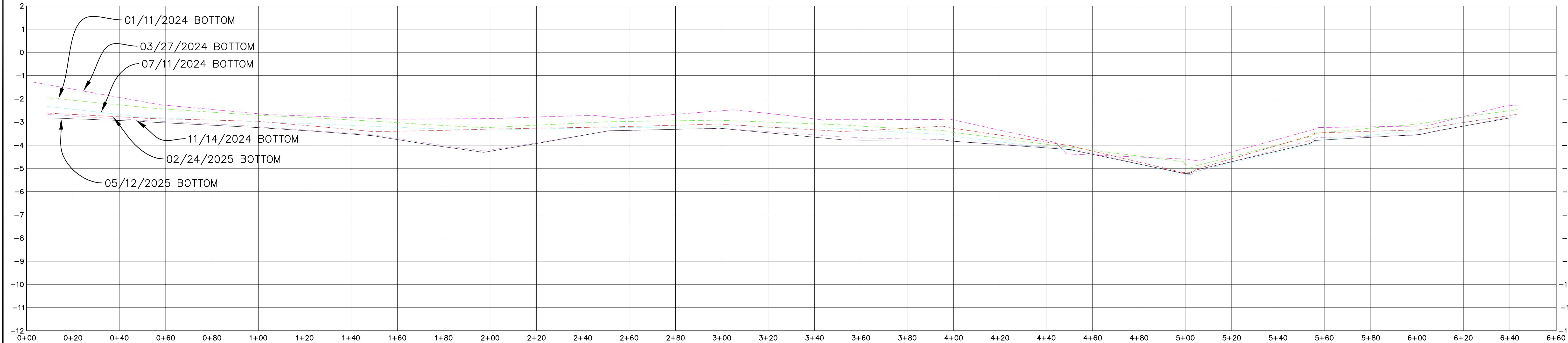


NOTE:
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DRAWN: DWS	
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APPROVED: DBS	
F.B. No.:	

BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	MAY 27, 2025
			AS SHOWN	11 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:

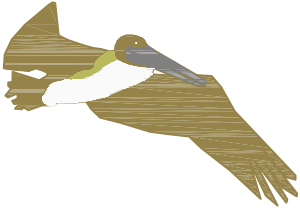


CROSS SECTION S-N
CENTRAL LAKE

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

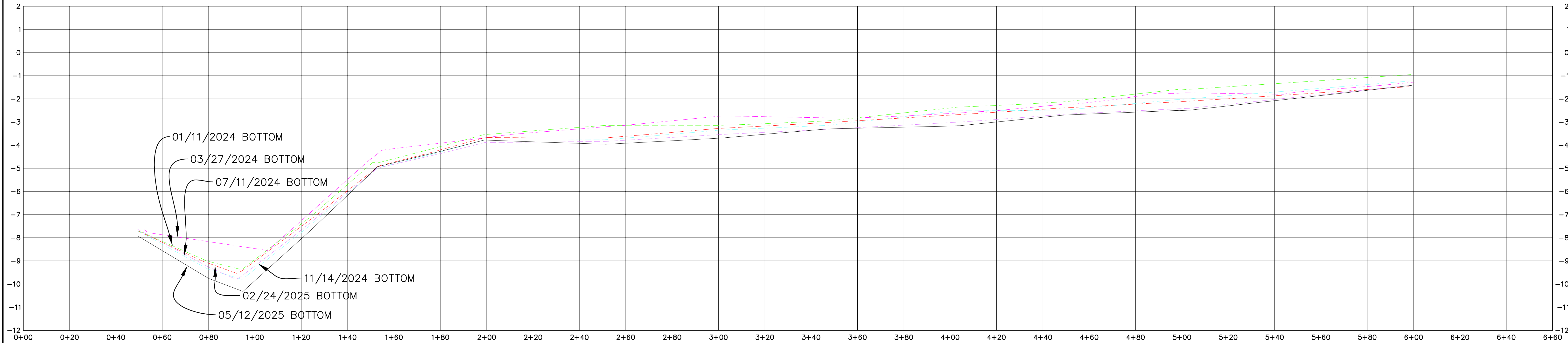


NOTE:
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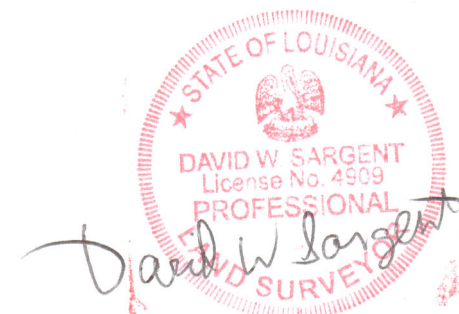
BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	MAY 27, 2025
			AS SHOWN	12 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



CROSS SECTION W-E
CENTRAL LAKE

SCALE:
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'



NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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DRAWN: DWS		
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BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	MAY 27, 2025
			AS SHOWN	13 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET: