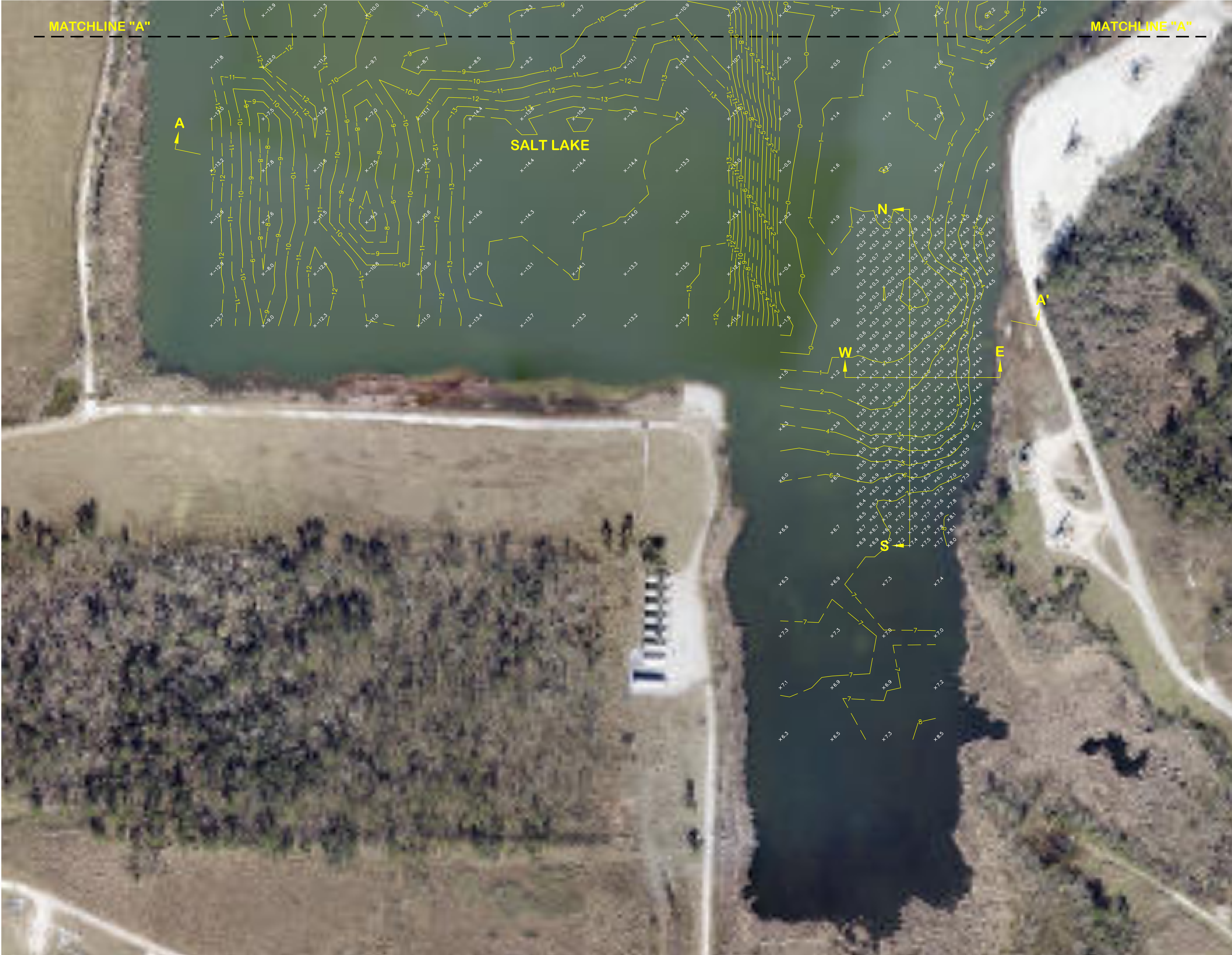




LEGEND	
	WATER BOTTOM ELEVATION (NAVD88)
	1 FOOT CONTOUR LINE
	5 FOOT CONTOUR LINE

NOTES:

1) VERTICAL CONTROL IS REFERENCED TO SMS BENCHMARK NO. 3 (ELEV. 72.354' MGD).

2) HORIZONTAL CONTROL IS REFERENCED TO NAD83 (2011), LOUISIANA SOUTH ZONE 1702.

3) THE AERIAL IMAGE SHOWN HEREON WAS OBTAINED FROM CPJ GIS. THE LOCATION IS APPROXIMATE.

4) DATES OF SURVEY: FEBRUARY 24 AND 25, 2025.

5) TOP OF WATER
SALT LAKE - 02/25/2025 TOP OF WATER ELEVATION = 11.35
CENTRAL LAKE - 02/24/2025 TOP OF WATER ELEVATION = 0.93.

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 CUM ECHOTRAC HYDROGRAPHIC ECHOSOUNDER WITH A DUAL FREQUENCY TRANSDUCER. DATA WAS OBTAINED USING THE HIGH FREQUENCY (200 KHZ) AND CONVERTED TO ELEVATIONS THROUGH HYPAACK. BOTTOM ELEVATIONS OF CENTRAL LAKE WERE OBTAINED USING GPS.

DESIGNED:	Pelican Land Surveying, L.L.C.
DRAWN:	DWS
CHECKED:	EH
APPROVED:	DBS
F.B. NO.:	

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.:	231206	DATE:	FEBRUARY 26, 2025
SCALE:	1" = 40'	SHEET:	1 OF 13
BY:	REVISIONS:	DATE:	



LEGEND

+

-13.7

WATER BOTTOM ELEVATION (NAVD88)

1 FOOT CONTOUR LINE

5 FOOT CONTOUR LINE



NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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Pelican Land Surveying, L.L.C.

DRAWN: DWS

A Professional Land Surveying Firm

CHECKED: EH

PO Box 1747

APPROVED: DBS

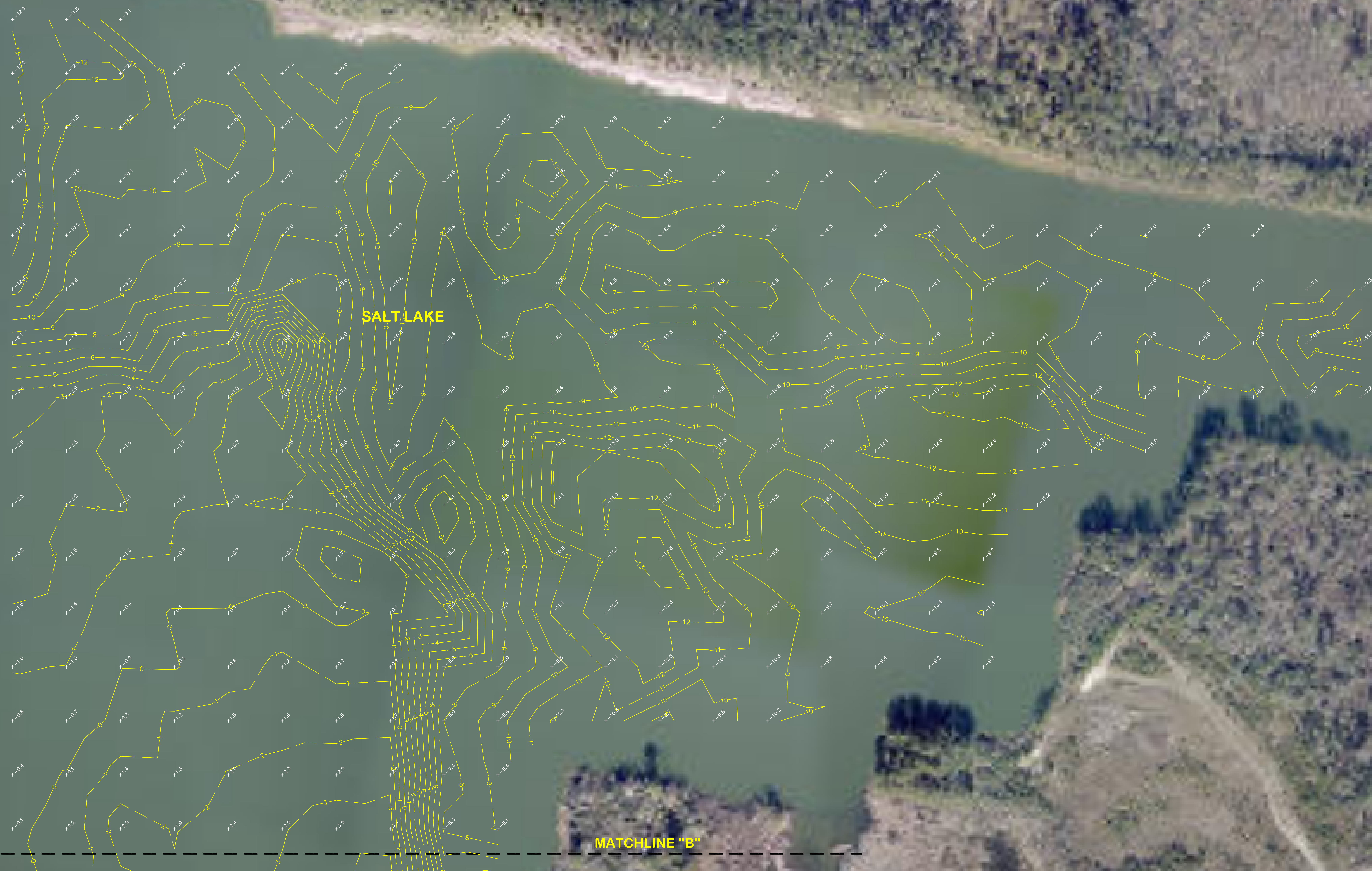
Sulphur, LA 70664-1747

F.B. No.:

Phone/Fax 337-533-8116

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

			PROJECT NO.: 231206	DATE: FEBRUARY 28, 2025
BY	REVISIONS	DATE	SCALE: 1" = 60'	SHEET: 2 OF 13



MATCHLINE "B"

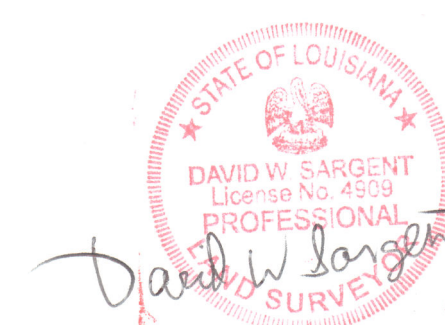
LEGEND

+ 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:
1) SEE SHEET 1 FOR SURVEY NOTES.

			PROJECT NO:	DATE:
			231206	FEBRUARY 28, 2025
			1" = 60'	3 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



MATCHLINE "A"

MATCHLINE "A"

SALT LAKE

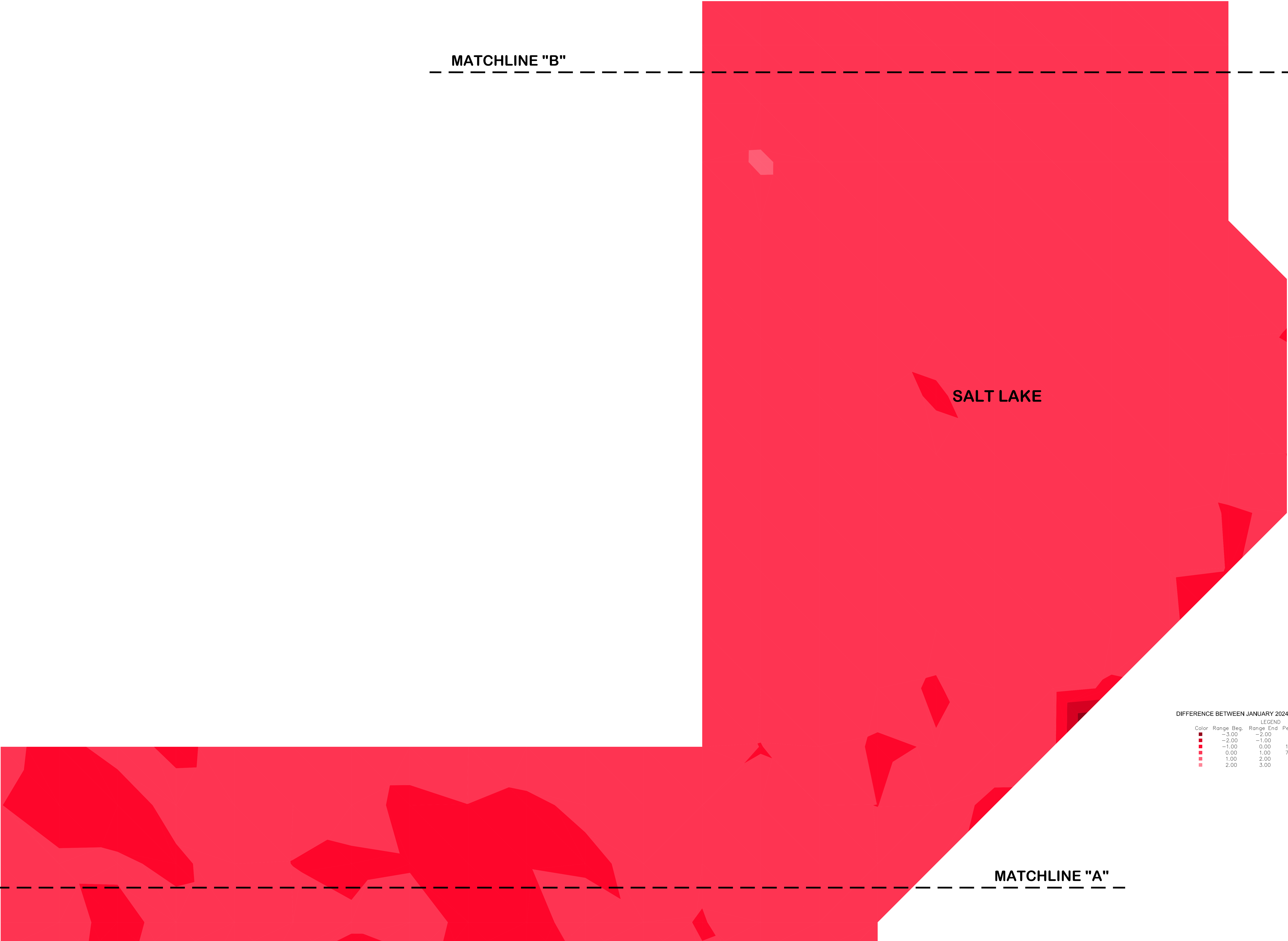
DIFFERENCE BETWEEN JANUARY 2024 DATA AND FEBRUARY 2025 DATA

LEGEND				
Color	Range	Beg.	Range End	Percent
■	-3.00	-2.00	0.1	2855.85
■	-2.00	-1.00	0.2	11505.25
■	-1.00	0.00	19.0	950675.92
■	0.00	1.00	79.6	3984311.86
■	1.00	2.00	0.9	47505.94
■	2.00	3.00	0.2	8086.36



DIFFERENTIAL HEAT MAP - SALT LAKE

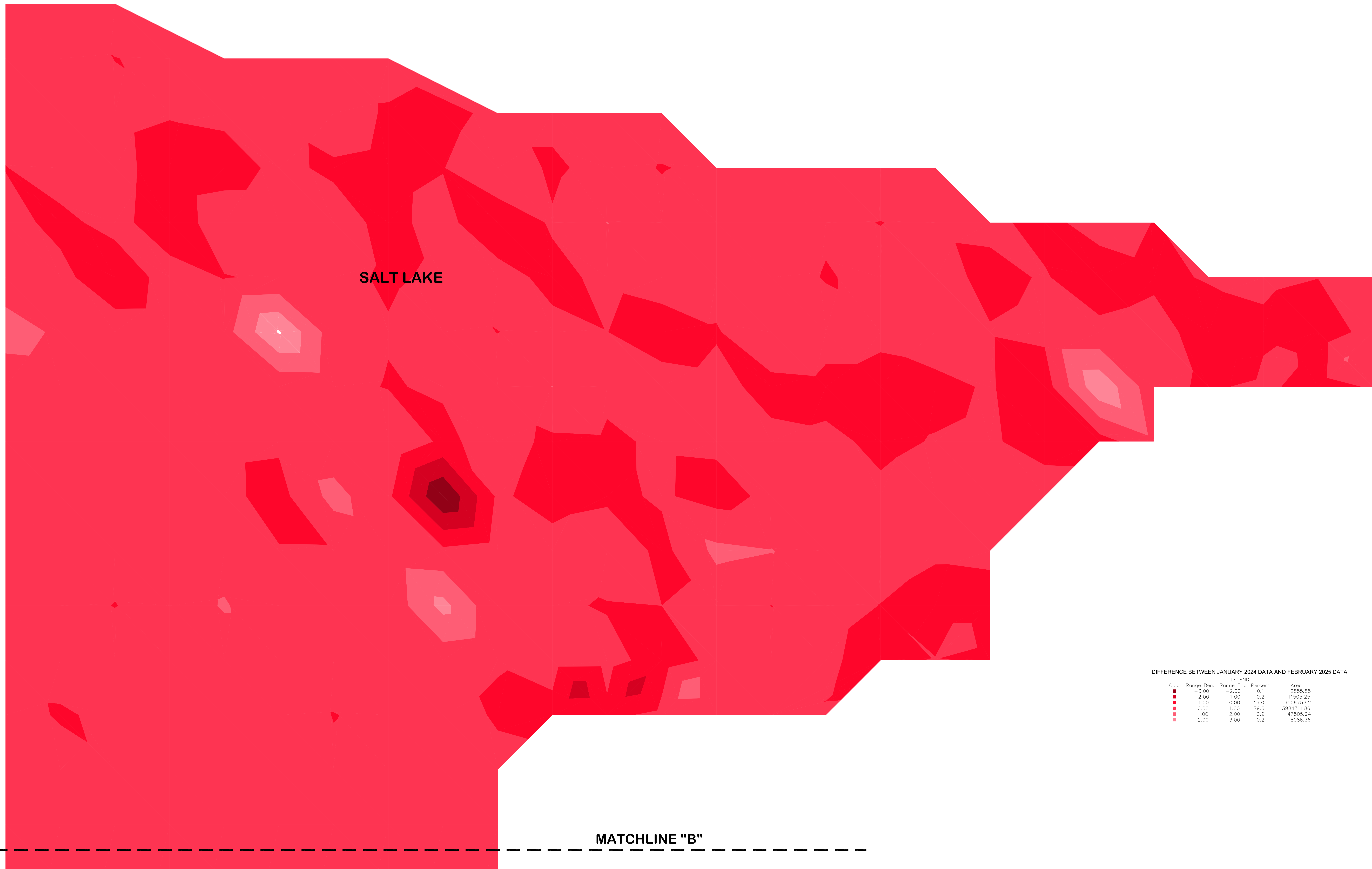
NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DIFFERENCE BETWEEN JANUARY 2024 DATA AND FEBRUARY 2025 DATA					
Color		LEGEND		Area	
Range	Beg.	Range	End	Percent	
Dark Red	-3.00	-2.00	-2.00	0.1	2855.85
Red	-2.00	-1.00	-1.00	0.2	11505.25
Light Red	-1.00	0.00	0.00	19.0	950675.92
Very Light Red	0.00	1.00	1.00	79.6	3984311.86
White	1.00	2.00	2.00	0.9	47505.94
Lightest Red	2.00	3.00	3.00	0.2	8086.36



NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DIFFERENCE BETWEEN JANUARY 2024 DATA AND FEBRUARY 2025 DATA

LEGEND				
Color	Range Beg.	Range End	Percent	Area
■	-3.00	-2.00	0.1	2855.85
■	-2.00	-1.00	0.2	11505.25
■	-1.00	0.00	19.0	950675.92
■	0.00	1.00	79.6	3984311.86
■	1.00	2.00	0.9	47505.94
■	2.00	3.00	0.2	8086.36

NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DIFFERENTIAL HEAT MAP - SALT LAKE

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

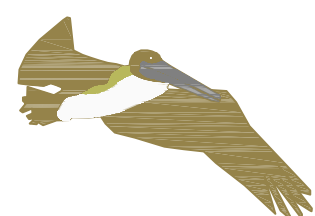


LEGEND	
x-13.7	WATER BOTTOM ELEVATION (NAVD83)
---	1 FOOT CONTOUR LINE
---	5 FOOT CONTOUR LINE



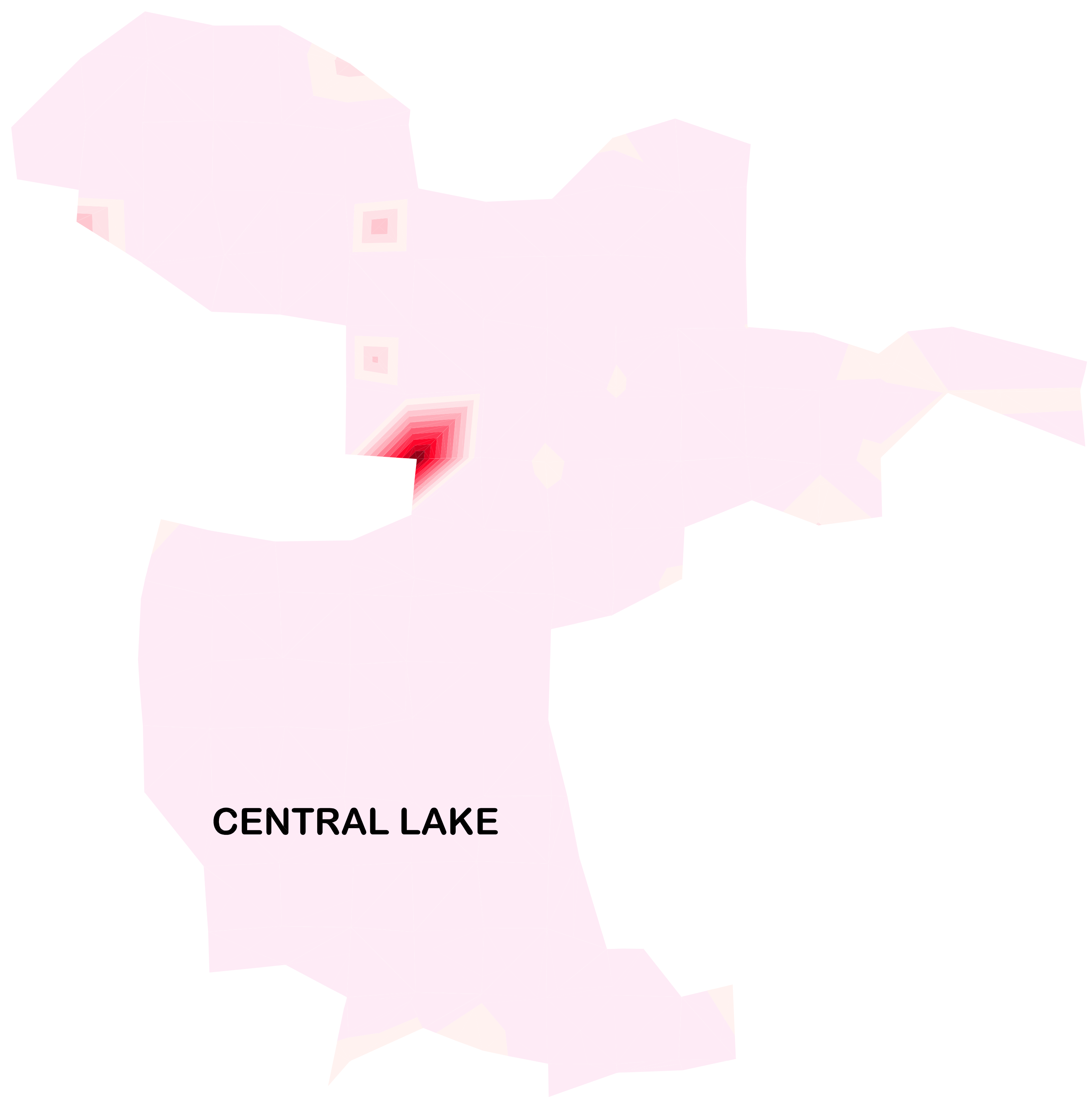
NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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



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

PROJECT NO.:	231206	DATE:	FEBRUARY 28, 2025
BY:	REVISIONS:	DATE:	SCALE:
			1" = 50'
			7 OF 13



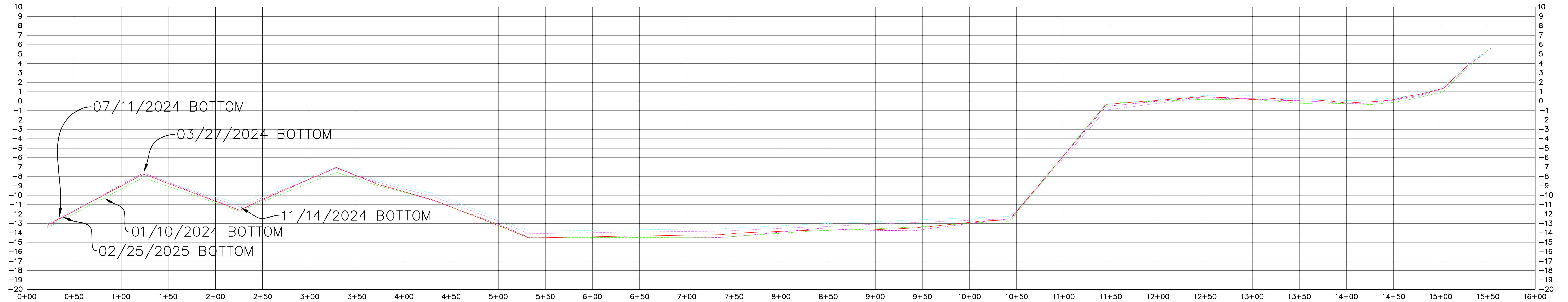
DIFFERENCE BETWEEN JANUARY 2024 DATA AND FEBRUARY 2025 DATA

LEGEND						
Color	Range	Beg.	Range	End	Percent	Area
	-5.70		-5.00		0.0	65.88
	-5.00		-4.50		0.1	141.79
	-4.50		-4.00		0.1	221.04
	-4.00		-3.50		0.1	300.29
	-3.50		-3.00		0.1	379.53
	-3.00		-2.50		0.2	458.66
	-2.50		-2.00		0.2	537.71
	-2.00		-1.50		0.3	890.20
	-1.50		-1.00		0.8	2045.95
	-1.00		-0.50		5.0	13398.44
	-0.50		0.30		93.2	251896.01



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'

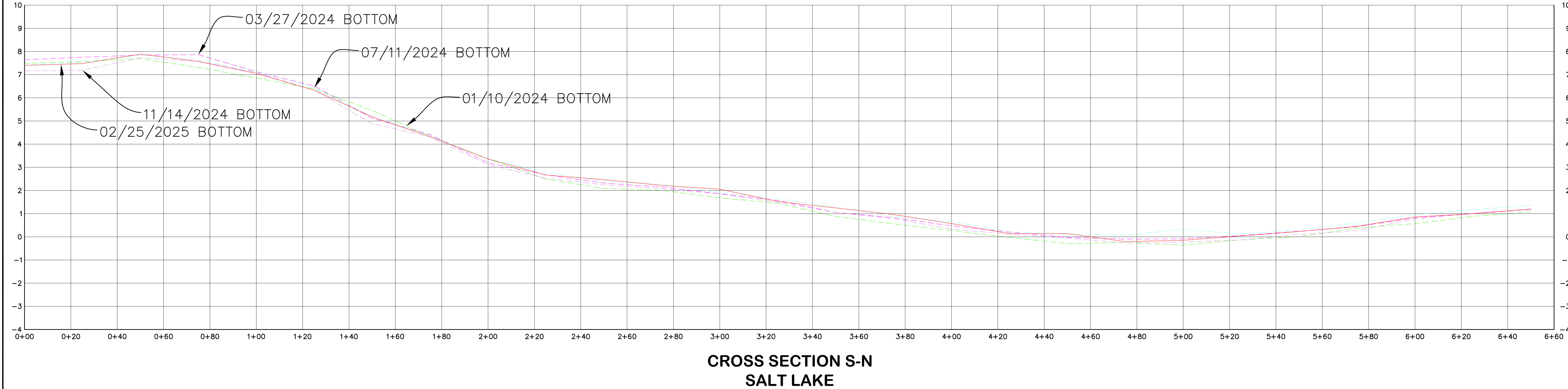


NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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

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

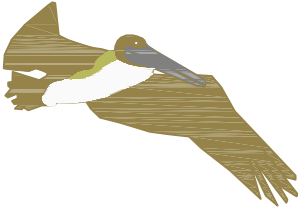
			PROJECT NO.:	DATE:
			231206	FEBRUARY 28, 2025
			AS SHOWN	9 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



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

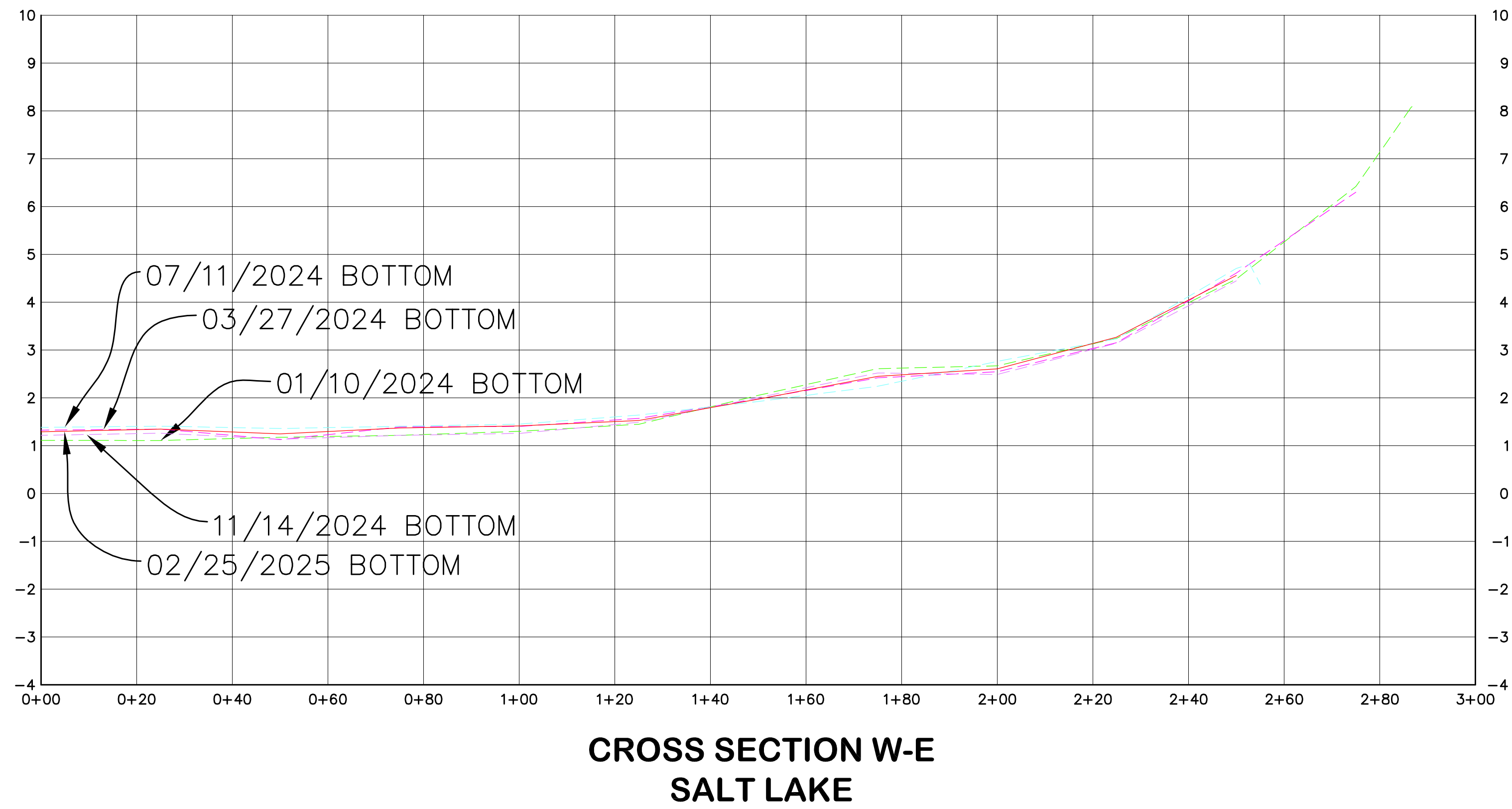


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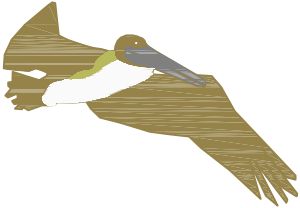
BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	FEBRUARY 28, 2025
			AS SHOWN	10 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



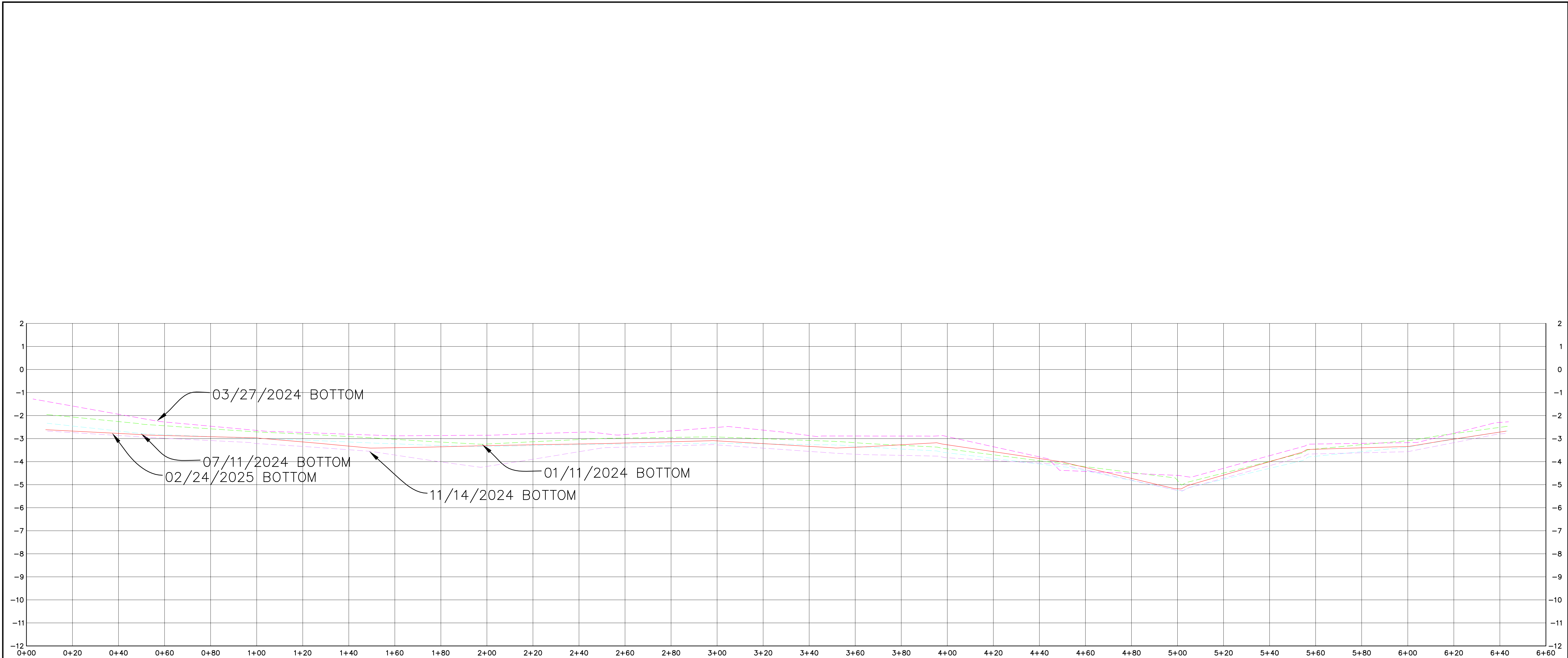
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 2'

NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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

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

			PROJECT NO.:	DATE:
			231206	FEBRUARY 28, 2025
			AS SHOWN	11 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



CROSS SECTION S-N
CENTRAL LAKE

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

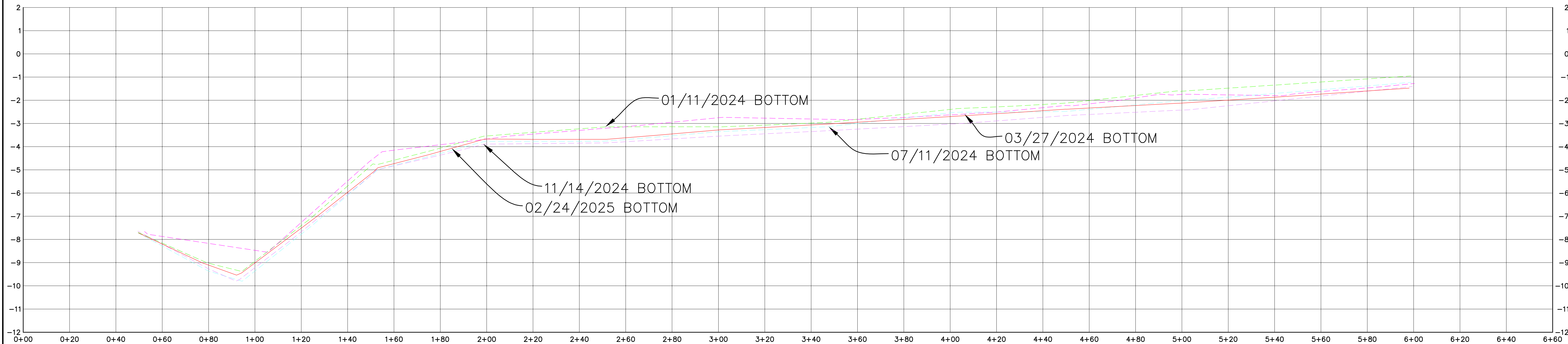


NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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F.B. No.:		

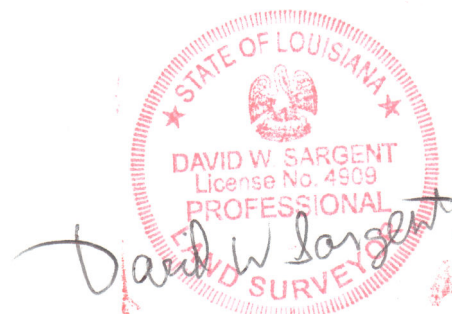
BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	FEBRUARY 28, 2025
			AS SHOWN	12 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:

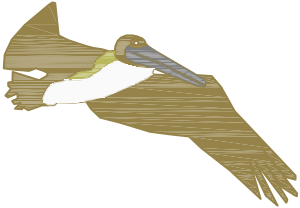


CROSS SECTION W-E
CENTRAL LAKE

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	FEBRUARY 28, 2025
			AS SHOWN	13 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET: