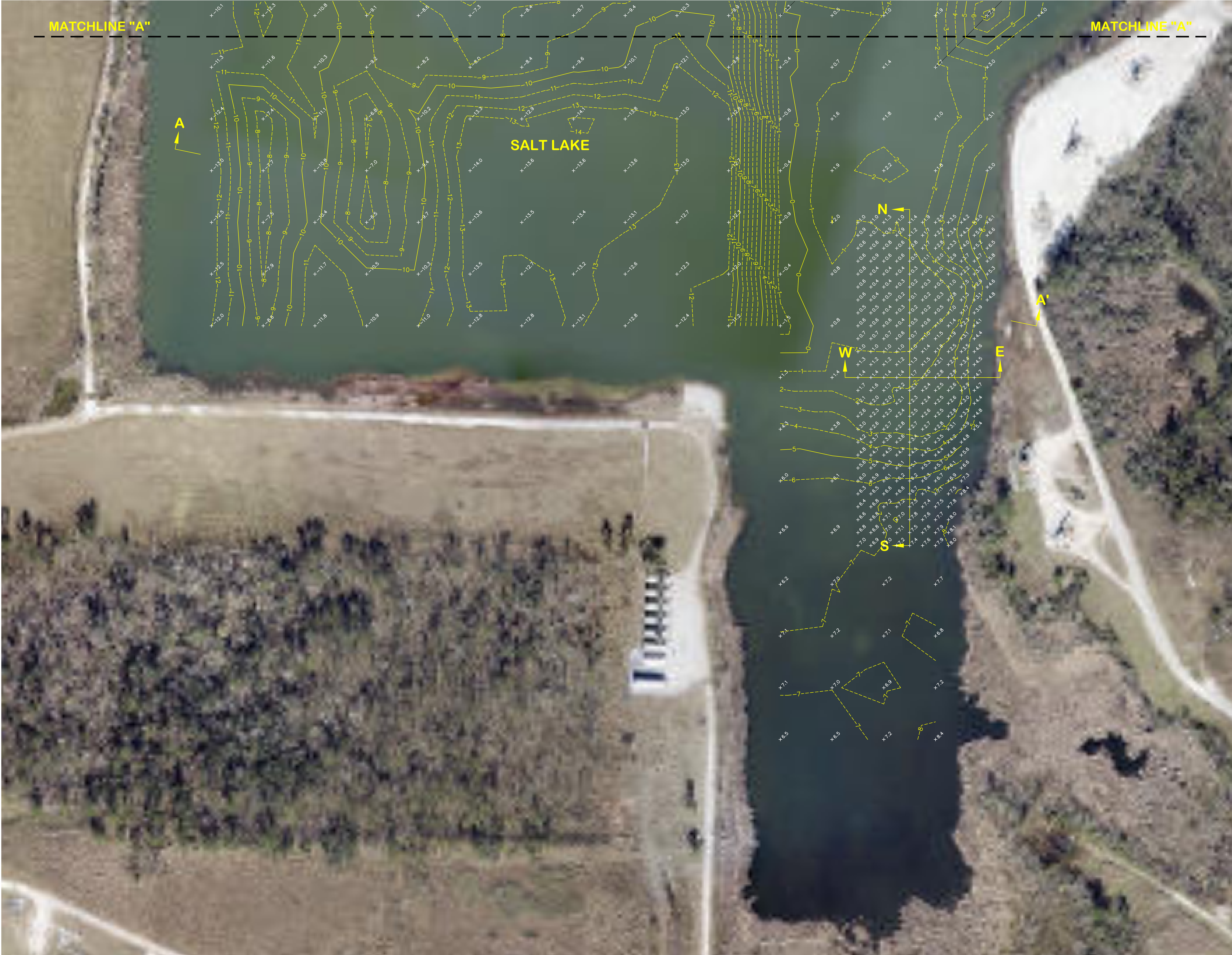




LEGEND	
	WATER BOTTOM ELEVATION (NAVD88)
	1 FOOT CONTOUR LINE
	5 FOOT CONTOUR LINE

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: AUGUST 5 & 6, 2025.

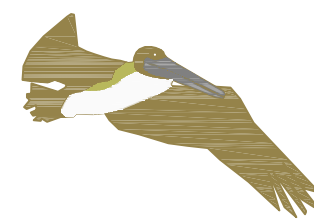
5) TOP OF WATER
SALT LAKE - 08/05/2025 TOP OF WATER ELEVATION = 11.3'
CENTRAL LAKE - 08/06/2025 TOP OF WATER ELEVATION = 0.9'

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.

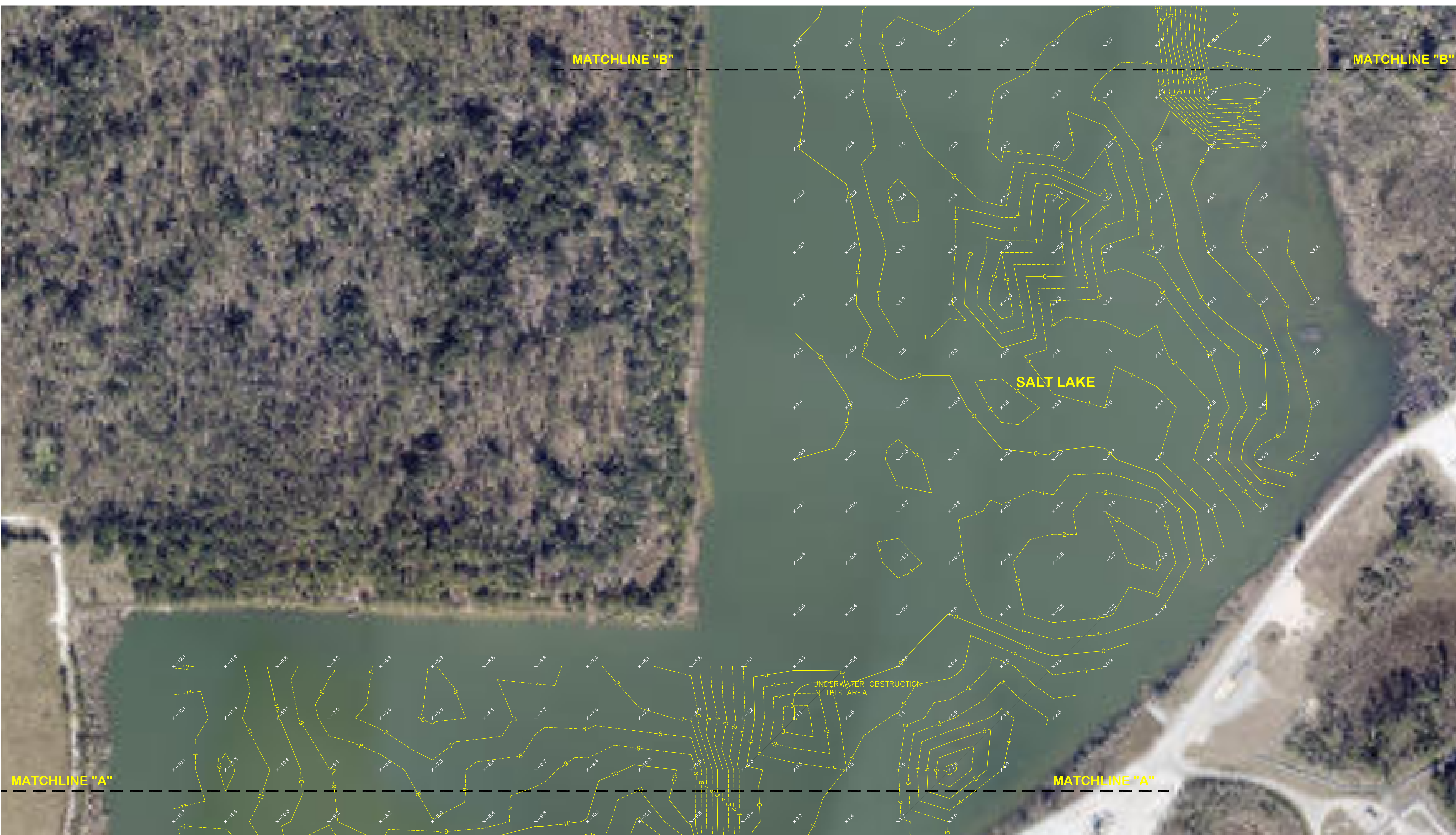
8) SOUNDINGS OF SALT LAKE WERE PERFORMED USING A CUM ECHOTRAC HYDROGRAPHIC ECHOSOUNDER WITH A DUAL FREQUENCY TRANSDUCER. DATA WAS OBTAINED USING THE HIGH FREQUENCY (200 KHZ) AND CONVERTED TO ELEVATIONS THROUGH HYPAACK. BOTTOM ELEVATIONS OF CENTRAL LAKE WERE OBTAINED USING GPS.

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:	AUGUST 18, 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.

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

Pelican Land Surveying, L.L.C.

A Professional Land Surveying Firm

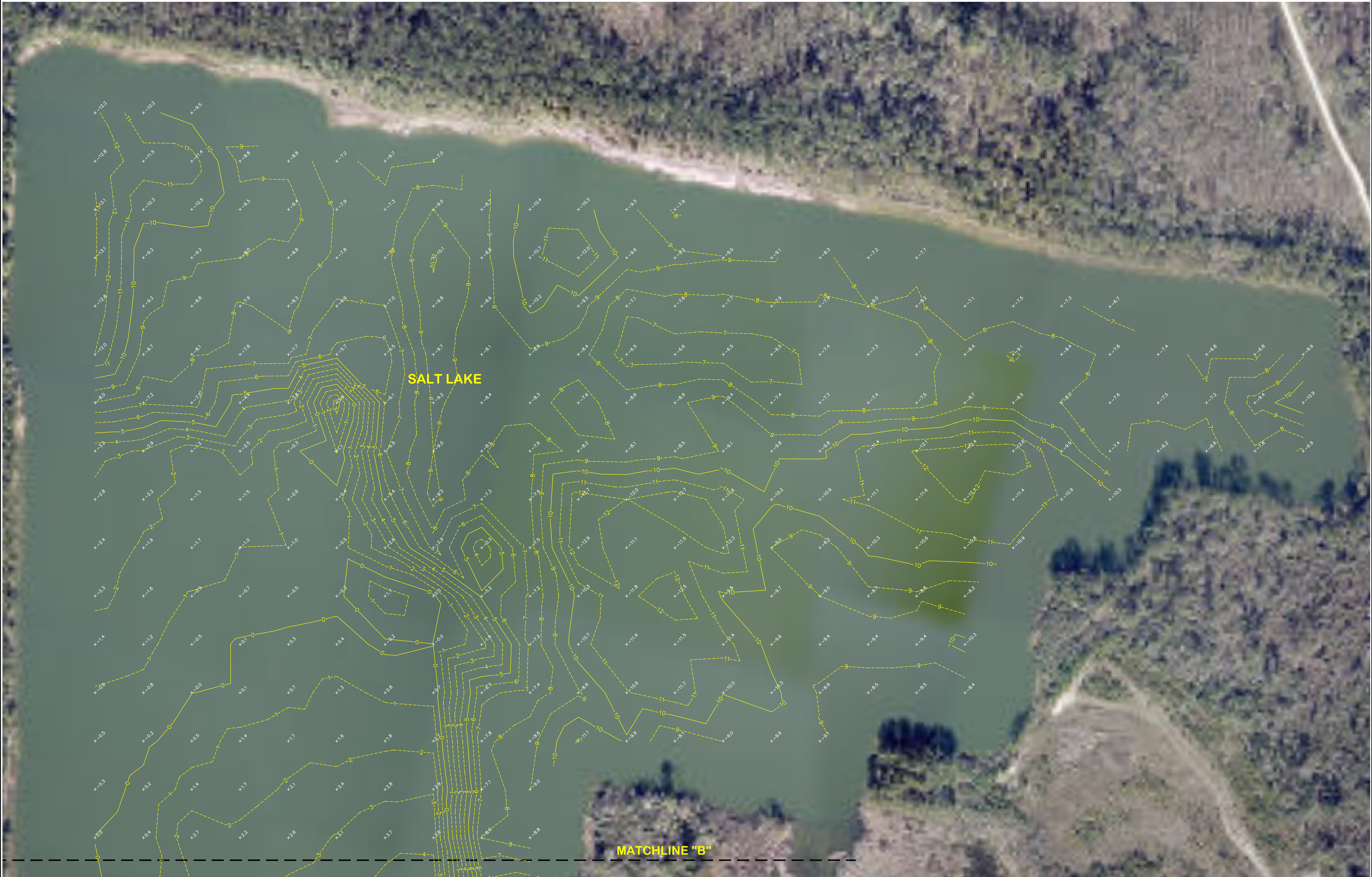
PO Box 1747

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	AUGUST 18, 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:
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

			PROJECT NO.:	DATE:
			231206	AUGUST 18, 2025
			1" = 60'	3 OF 13
BY	REVISIONS	DATE	SCALE:	张幅数:



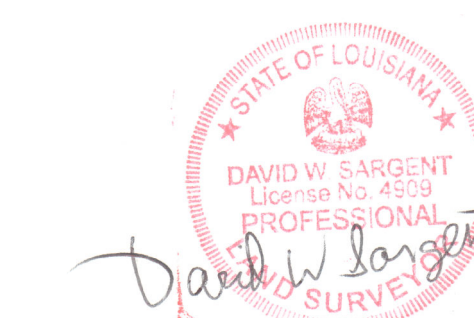
MATCHLINE "A"

MATCHLINE "A"

SALT LAKE

DIFFERENCE BETWEEN JANUARY 2024 DATA AND AUGUST 2025 DATA

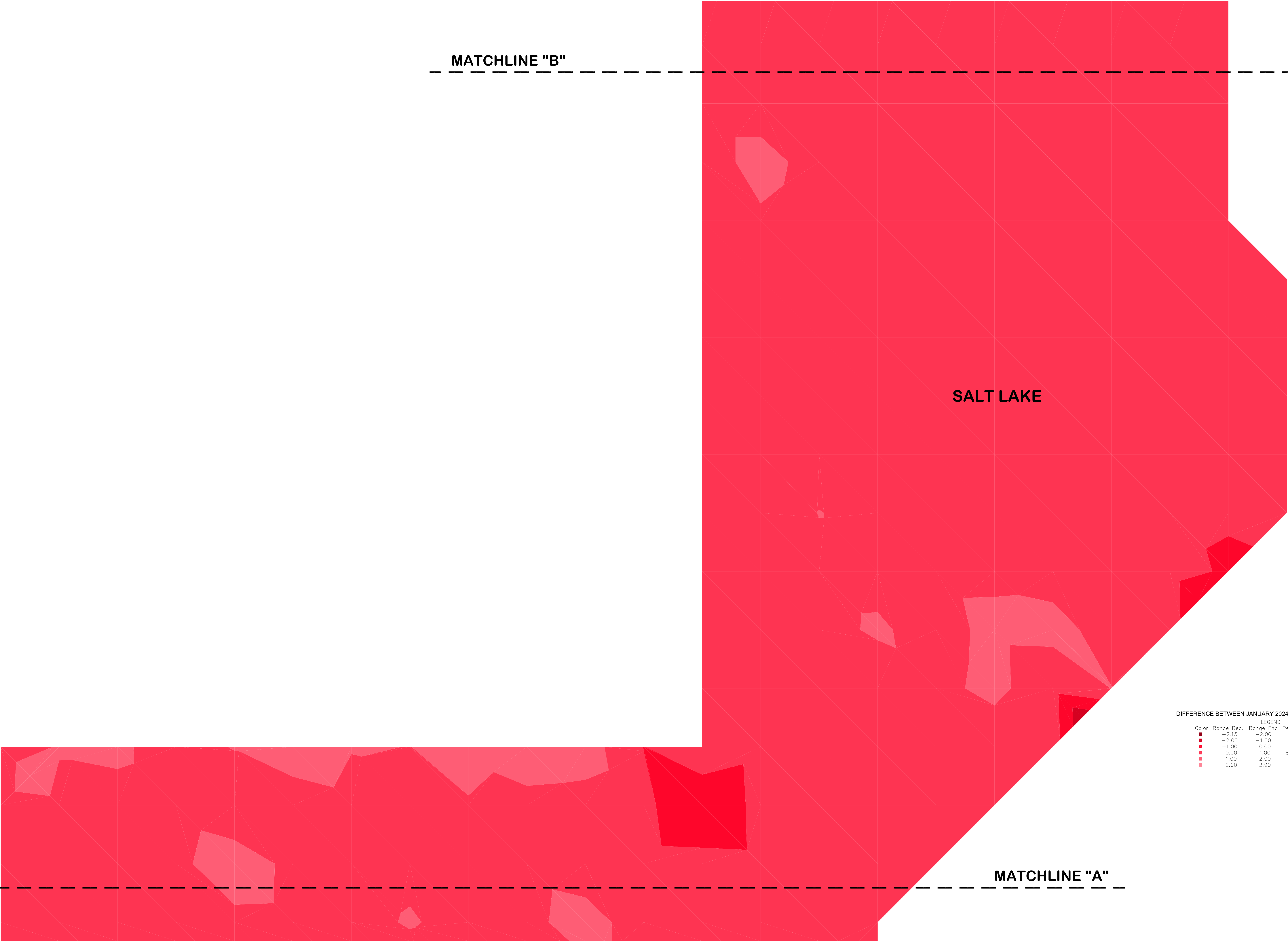
LEGEND				
Color	Range Beg.	Range End	Percent	Area
■	-2.15	-2.00	0.0	90.95
■	-2.00	-1.00	0.1	5775.29
■	-1.00	0.00	4.2	208163.72
■	0.00	1.00	88.1	4410322.93
■	1.00	2.00	7.5	376773.95
■	2.00	2.90	0.1	3820.30



DIFFERENTIAL HEAT MAP - SALT LAKE

NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

DESIGNER:	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:
DRAWN: DWS									231208	AUGUST 18, 2025
CHECKED: EH										
APPROVED: DBS										
F.B. No.:										
		BY:	REVISIONS:	DATE:	SCALE:	1" = 60'		4 OF 13		
								SHEET:		

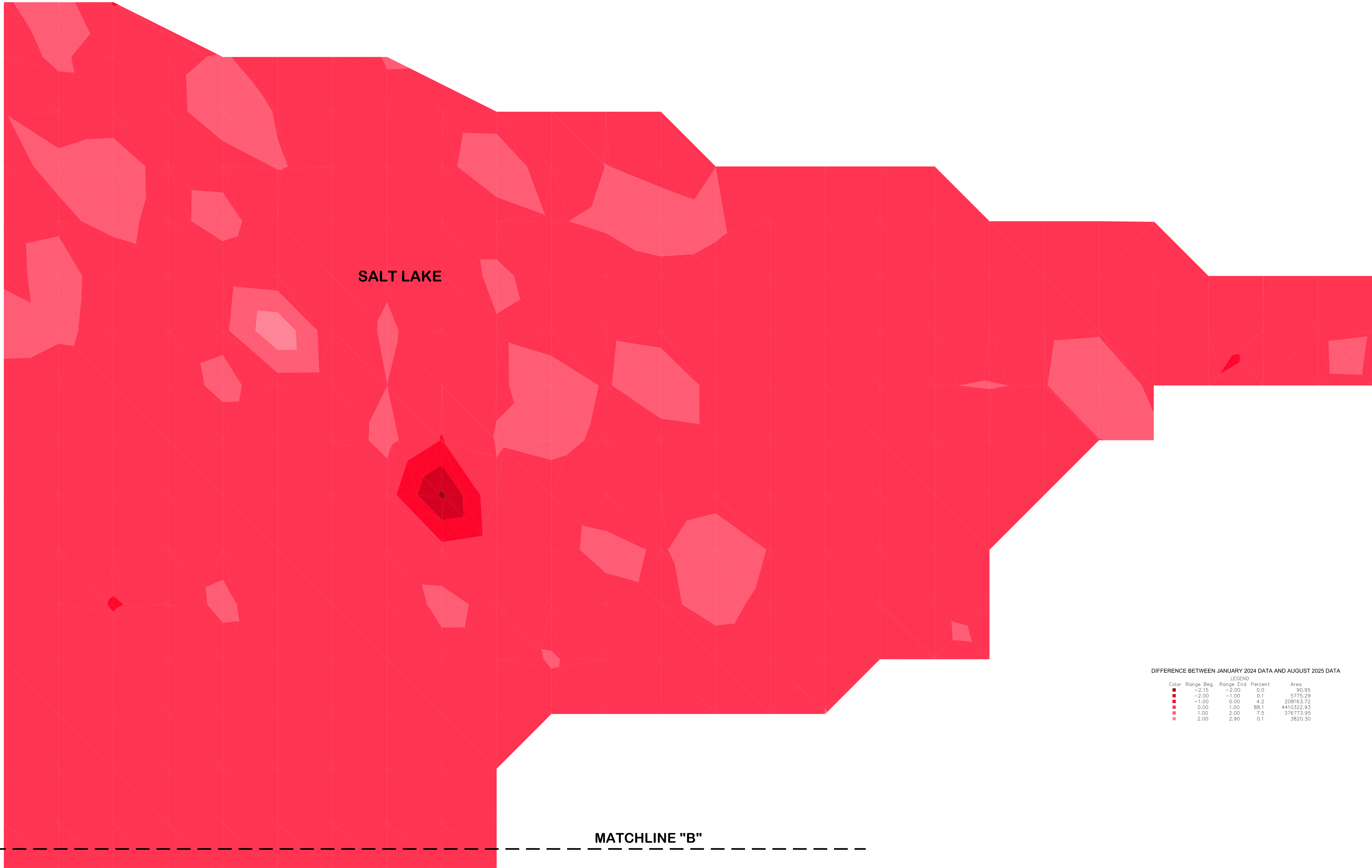


DIFFERENCE BETWEEN JANUARY 2024 DATA AND AUGUST 2025 DATA

Color	Range	Beg.	Range End	Percent	Area
■	-2.15	-2.00	0.0	90.95	
■	-2.00	-1.00	0.1	5775.29	
■	-1.00	0.00	4.2	208163.72	
■	0.00	1.00	88.1	4410322.93	
■	1.00	2.00	7.5	376773.95	
■	2.00	2.90	0.1	3820.30	



NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.



DIFFERENCE BETWEEN JANUARY 2024 DATA AND AUGUST 2025 DATA				
LEGEND				
Color	Range Beg.	Range End	Percent	Area
■	-2.15	-2.00	0.0	90.95
■	-2.00	-1.00	0.1	5775.29
■	-1.00	0.00	4.2	208163.72
■	0.00	1.00	88.1	4410322.93
■	1.00	2.00	7.5	376773.95
■	2.00	2.90	0.1	3820.30



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.

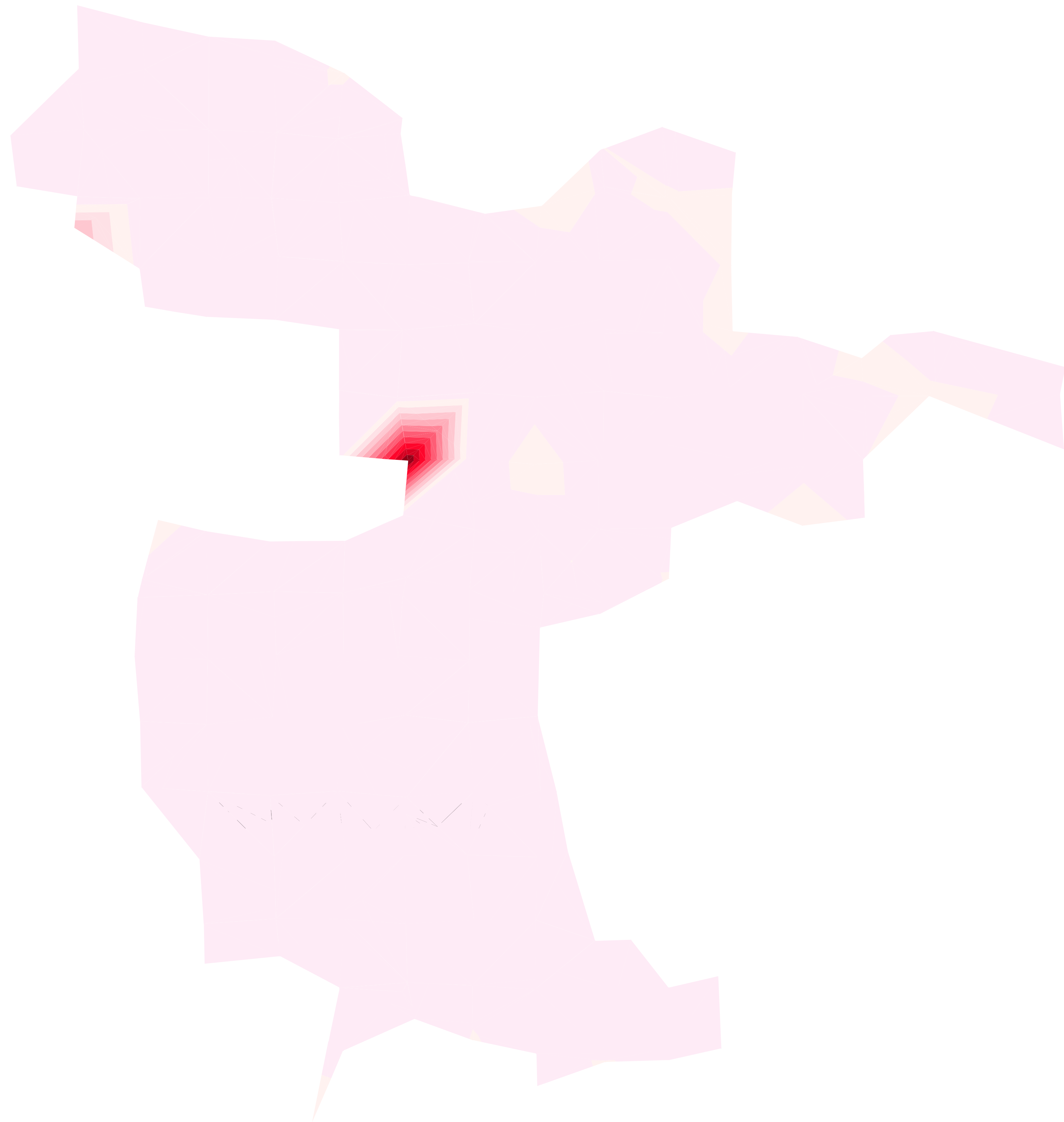
A Professional Land Surveying Firm

PO Box 1747

Sulphur, LA 70664-1747

Phone/Fax 337-533-8116

			PROJECT NO.:	DATE:
			231206	AUGUST 18, 2025
			1" = 50'	7 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



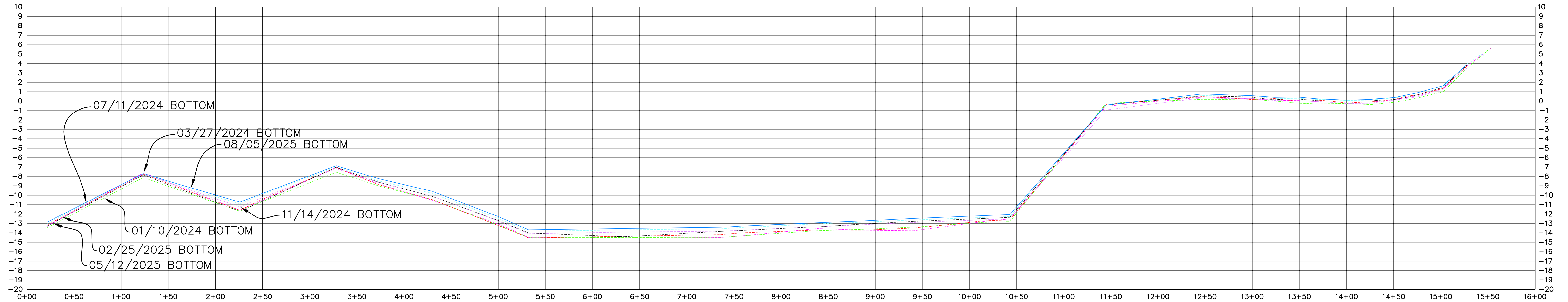
DIFFERENCE BETWEEN JANUARY 2024 DATA AND AUGUST 2025 DATA

LEGEND						
Color	Range	Beg.	Range	End	Percent	Area
■	−5.50		−5.00		0.0	38.58
■	−5.00		−4.50		0.0	120.27
■	−4.50		−4.00		0.1	201.96
■	−4.00		−3.50		0.1	283.61
■	−3.50		−3.00		0.1	364.91
■	−3.00		−2.50		0.2	450.28
■	−2.50		−2.00		0.2	545.16
■	−2.00		−1.50		0.3	777.31
■	−1.50		−1.00		0.4	1173.33
■	−1.00		−0.50		4.9	13192.29
■	−0.50		0.57		93.7	254822.03



DIFFERENTIAL HEAT MAP - CENTRAL LAKE

NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

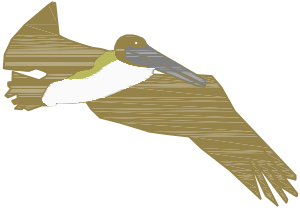


CROSS SECTION A-A'
SALT LAKE

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

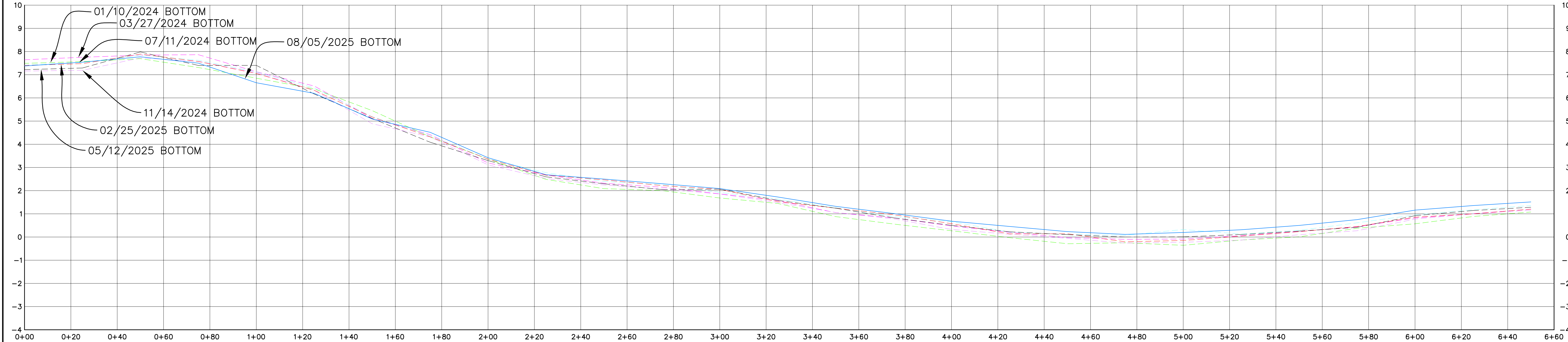


NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

DESIGNED:	Pelican Land Surveying, L.L.C. 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	AUGUST 18, 2025
			AS SHOWN	9 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:

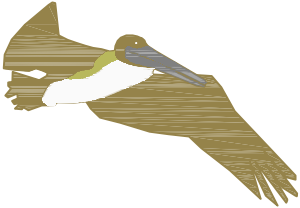


CROSS SECTION S-N
SALT LAKE

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

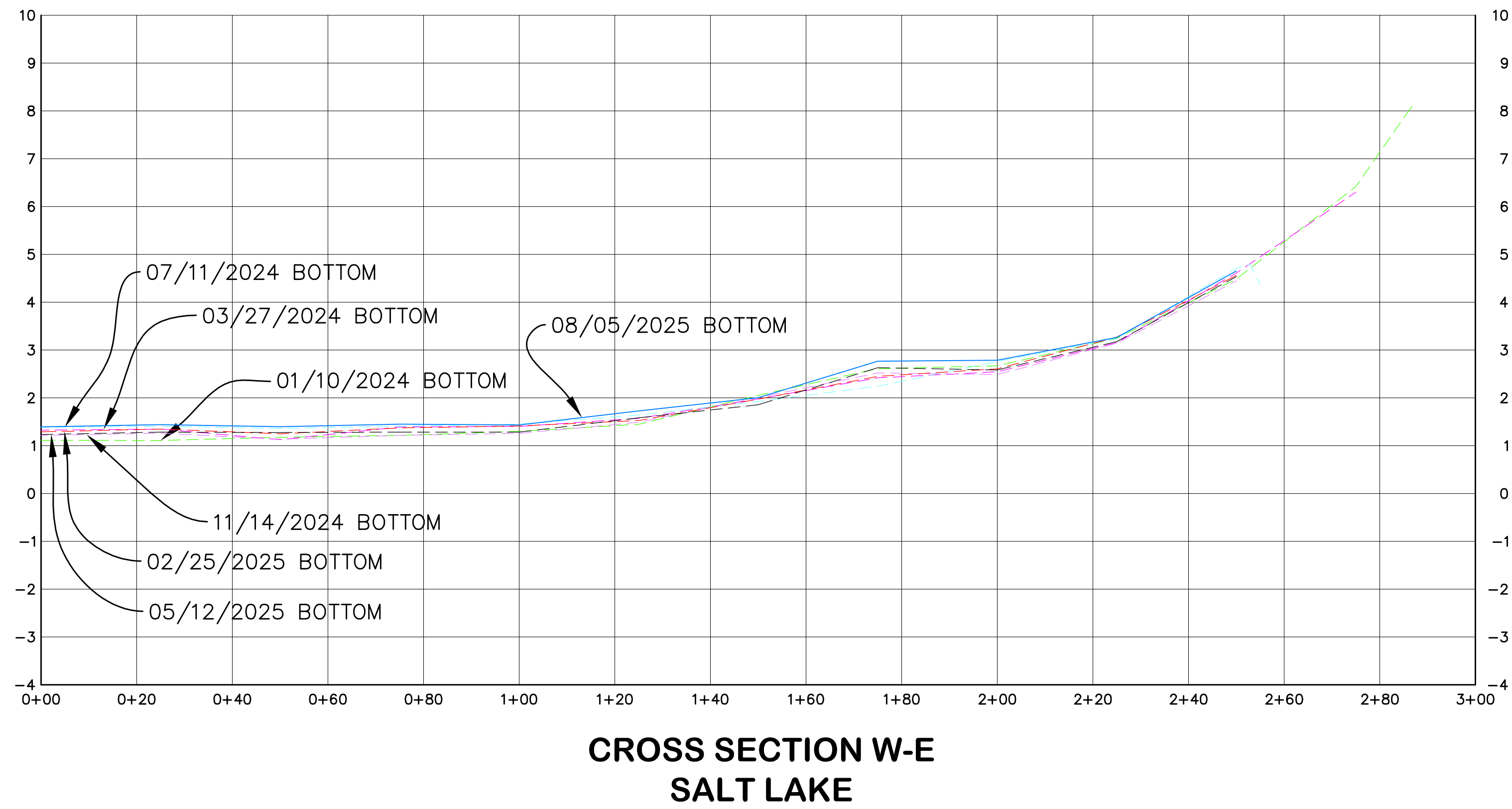


NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

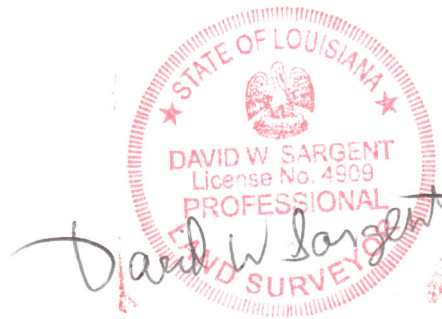
DESIGNED:	Pelican Land Surveying, L.L.C. A Professional Land Surveying Firm PO Box 1747 Sulphur, LA 70664-1747 Phone/Fax 337-533-8116	
DRAWN: DWS		
CHECKED: EH		
APPROVED: DBS		
F.B. No.:		

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

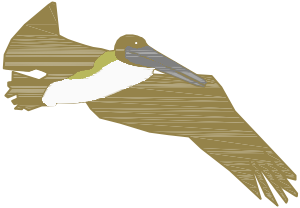
			PROJECT NO.:	DATE:
			231206	AUGUST 18, 2025
			AS SHOWN	10 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



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

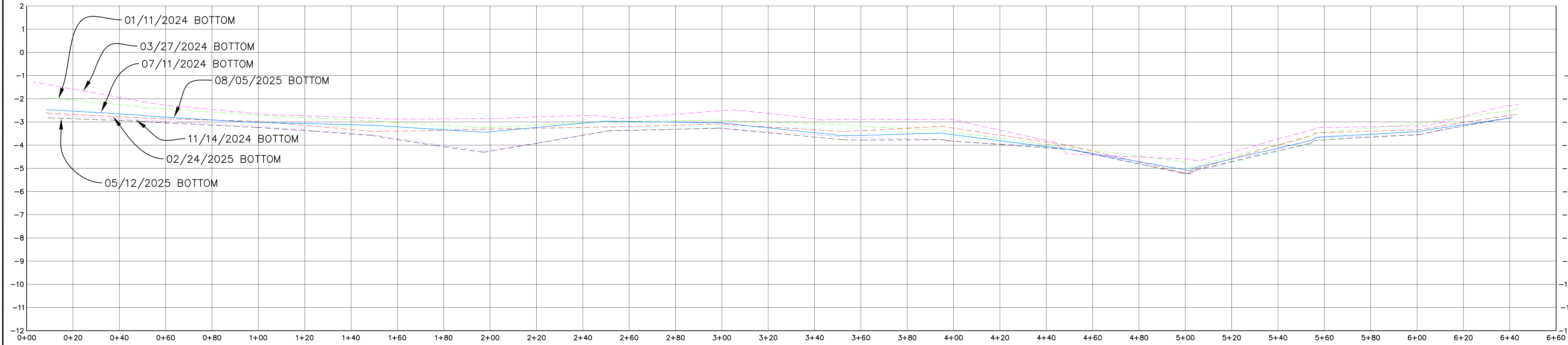


NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

DESIGNED:	Pelican Land Surveying, L.L.C. 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	AUGUST 18, 2025
			AS SHOWN	11 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET:



CROSS SECTION S-N
CENTRAL LAKE

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



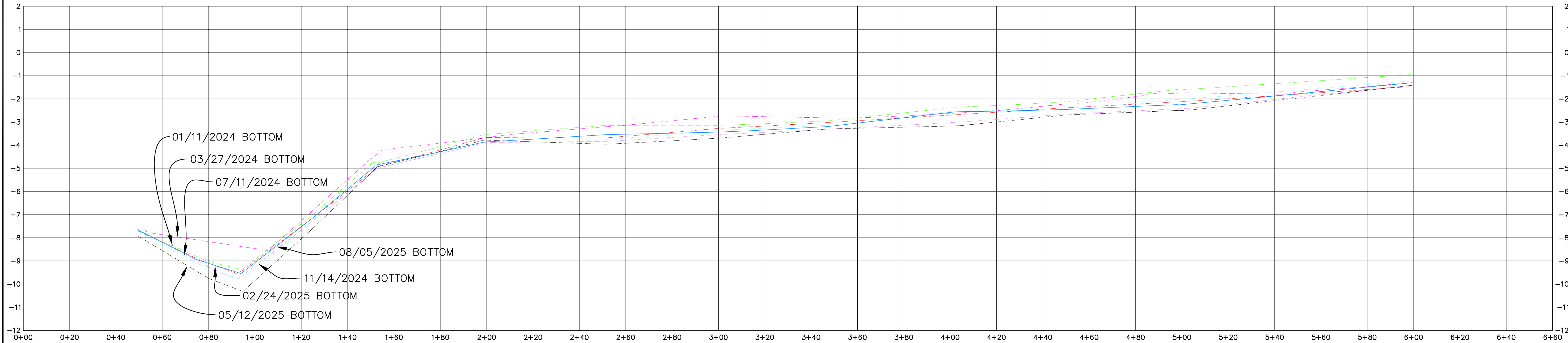
NOTE:
1) SEE SHEET 1 FOR SURVEY NOTES.

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

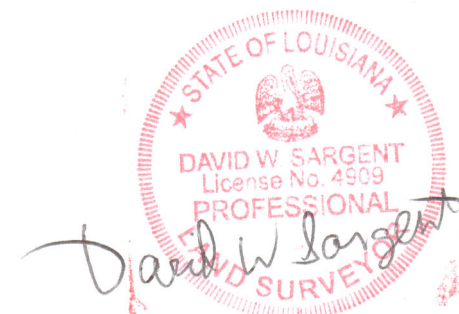
BATHYMETRIC SURVEY
OF SALT LAKE AND CENTRAL LAKE
AT SULPHUR BRINE, SULPHUR, LOUISIANA

			PROJECT NO.:	DATE:
			231206	AUGUST 18, 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.

DESIGNED:	Pelican Land Surveying, L.L.C. 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	AUGUST 18, 2025
			AS SHOWN	13 OF 13
BY	REVISIONS	DATE	SCALE:	SHEET: