



Jesse Martindale
Sr. Environmental Engineer

August 15, 2024

RECEIVED

AUG 15 2024

OKLAHOMA WATER RESOURCES BOARD

Oklahoma Water Resources Board
3800 N. Classen Boulevard
Oklahoma City, OK 73118
Attn: Mr. Matt Cogburn

Re: Martin Marietta Mill Creek Limestone Quarry Monitoring Report Q2 2024

Dear Mr. Tutkowski:

Attached please find the Q2 2024 Quarterly Monitoring Report for Martin Marietta's Mill Creek Limestone quarry. The report is summarized on the table labeled Appendix C. Supporting data is also included.

MEPS for this facility is 128 acre-feet of groundwater per calendar year per permit 2000-533.

Please call if you have any questions or comments.

Sincerely,

A handwritten signature in blue ink that reads 'Jesse Martindale'.

Jesse Martindale
Sr. Environmental Engineer

**ATTACHMENT 1 (Appendix C)
Martin Marietta Mill Creek Limestone 2024**

Appendix C . Consumptive use of Pitwater

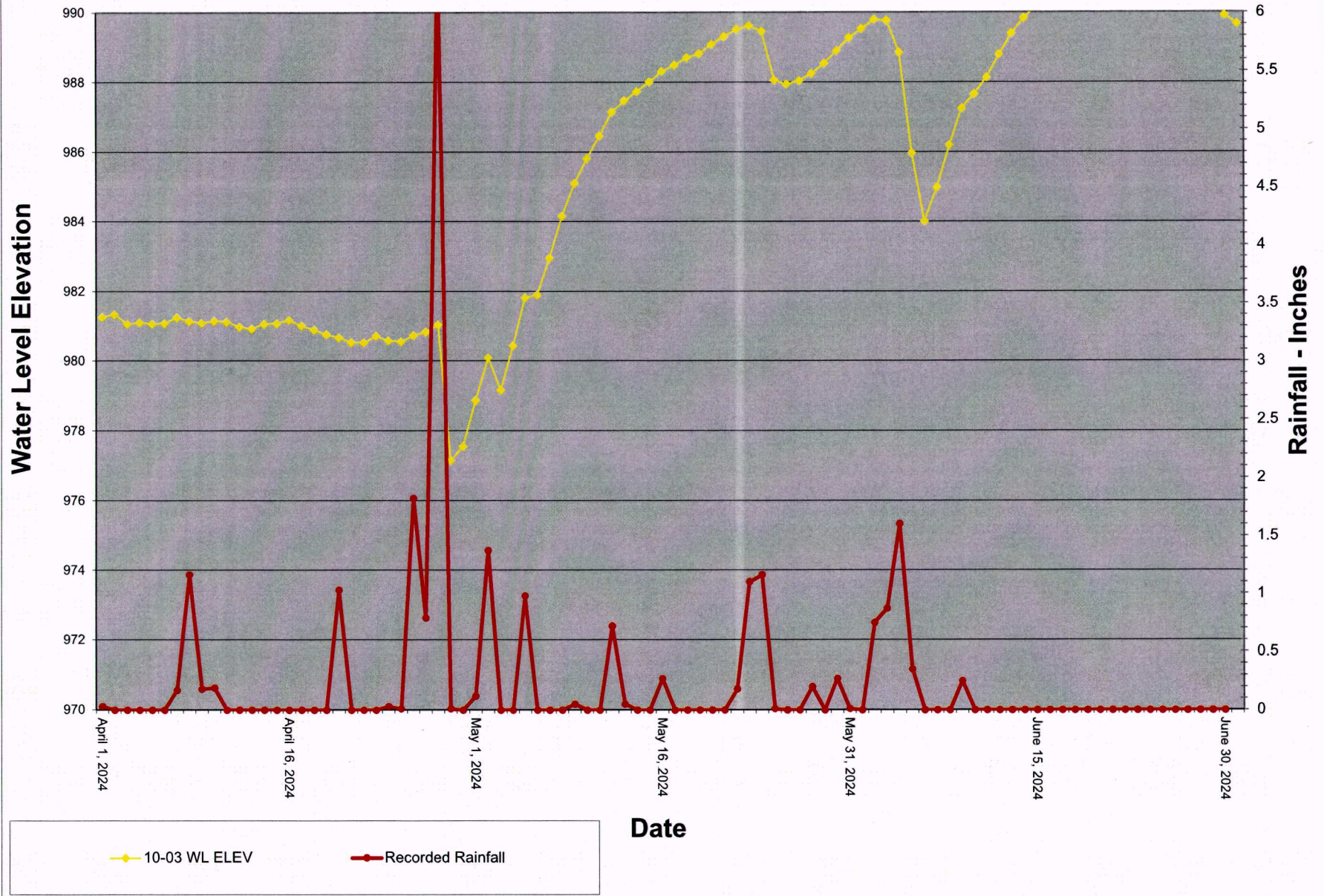
Q1 2024 Q2 2024

PIT GROUNDWATER VOLUME				
1	Total volume pumped from producing mine pit(s) (AC-FT)		346.5	585.9
2	Volume of precipitation that falls onto the surface of producing Mine Pits (AC-FT)		0.0	0.2
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water (AC-FT)		44.8	423.4
4	(WATER HELD IN PIT FROM PREVIOUS MONTHS) other non pit waters pumped from the producing mining pit (AC-FT)		0.1	-310.4
5	add lines 2 through 4		45.0	113.2
6	Pit Groundwater Volume (AC-FT) (line 1 minus Line 5)		301.5	472.7
DEFINED ELEMENTS OF CONSUMPTIVE USE				
7	Vol. of pit groundwater that is driven off (by drying) the mined material transp. off of the mine site (AC-FT)		0.00	0.00
8	Vol. of pit groundwater that is carried away with the the mined material transp. off of the mine site (AC-FT)		2.52	4.93
9	Vol. of pit groundwater that evaporates from producing mine pits, process ponds and lined ponds (excluding structures used for augmentation) (AC-FT)		0.00	
10	Volume of pit groundwater that is used for other beneficial uses off of the mine site (AC-FT) (includes on-site dust control)		5.49	11.48
11	DEFINED ELEMENTS OF CONSUMPTIVE USE of Pit groundwater (AC-FT) (add lines 7 through 10)		8.01	16.41
PIT GROUNDWATER BALANCE				
12	Lines 6 minus 11		293.50	456.27
13	Groundwater Augmentation Volume of pit water returned to GW Basin or subbasin. (Troy Recharge AC-FT)	Credits	449.69	3368.76
14	Stream Augmentation volume of pit water discharged to a definite Stream, during flow conditions that are less than or equal to the accepted exceedance level (AC-FT)		0.00	0.00
15	PPT and Runoff Volume of Precipitation and surface runoff into a recharge pit or holding pond (AC-FT)		19.62	120.54
16	Recycled Pit Groundwater - Volume of ground water returned to the mine pit or holding basin (AC-FT)		246.82	-11.91
17	Other Non-Consumptive GW Losses Including pit GW returned to the land surface from which surface runoff flows into a mine pit and other losses (AC-FT)		9.28	-16.87
18	add lines 13 through 17		725.42	3460.53
19	OTHER CONSUMPTIVE USE Line 12 minus Line 18		-431.91	-3004.26
TOTAL REPORTED CONSUMPTIVE USE (AC-FT)				
TOTAL NET CONSUMPTIVE USE (AC-FT) Line 11 plus line 19			-423.90	-2987.85

RESULTS FROM RUNOFF MODELLING

2024	PPT. Inches	Quarry Monthly Totals				FW Pond Monthly Totals		Re-cycle Recharge (Troy) Monthly Totals		MM-Mill Creek Limestone Totals	
		Sump Direct ppt	In-Quarry Runoff	Runoff from beyond Quarry	Quarry Totals	Direct ppt	Runoff	Direct ppt	Runoff	Direct ppt	Runoff
		ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft
January	0.36	0.015	10.085	0.988	11.09	2.67	0.14	5.39	0.47	8.07	11.68
February	0.89	0.010	7.240	0.616	7.87	1.78	0.01	3.59	0.26	5.38	8.12
March	2.71	0.023	22.043	3.845	25.91	3.95	1.45	7.98	1.93	11.95	29.27
Q1 Subtotal	3.96	0.05	39.37	5.45	44.86	8.39	1.60	16.97	2.66	25.41	49.08
April	11.88	0.099	195.658	67.062	262.82	17.30	98.31	35.00	39.95	52.40	400.98
May	6.49	0.054	78.271	19.391	97.72	9.45	16.51	19.12	10.60	28.63	124.77
June	3.82	0.032	50.892	12.111	63.04	5.56	9.42	11.25	4.63	16.85	77.06
Q2 Subtotal	22.19	0.18	324.82	98.56	423.57	32.32	124.24	65.37	55.18	97.87	602.81

Mill Creek Water Levels 1st Quarter 2024



Water Volume Movements		January	February	March	April	May	June
Pumped from Pit		105.9	127.1	113.5	159.3	254.1	172.5
Groundwater Component of Pitwater		96.0	120.4	88.9	-102.3	157.6	110.7
Quarry dust suppression		0.2	2.0	1.3	2.5	3.1	6.1
Q- freshwater pond		105.6	125.1	112.3	156.7	251.0	166.4
	To Secondary FM7	211.4	441.6	448.4	497.8	557.6	460.0
	To sand Plant FM8	65.4	155.3	154.7	155.0	186.9	141.2
	to loadout FM6	147.6	316.1	300.1	300.1	360.3	302.0
	to dust control FM9	0.674	9.672	10.612	9.162	8.438	9.290
to Plant FM7+FM8+FM6		424.4	913.0	903.2	952.9	1104.8	903.2
	to stream Augmentation	0	0	0	0	0	0
bypass discharge		2.0238	1.9556	0			
To Troy FM3		416.9	957.4	943.7	1000.2	1142.5	938.2
To Booster FM2		433.8	962.3	965.5	1048.0	1205.8	948.9
From Troy to Freshwater Pond FM4		302.9	871.0	706.8	42.4	0.6	0.0

Quarter Summary	2nd Qtr
Total Tons Shipped	1,060,000
Total Acre Feet	20.40
Average Moisture %	2.62%

```
# ----- WARNING -----
# Some of the data that you have obtained from this U.S. Geological Survey database
# may not have received Director's approval. Any such data values are qualified
# as provisional and are subject to revision. Provisional data are released on the
# condition that neither the USGS nor the United States Government may be held liable
# for any damages resulting from its use.
#
# Additional info: https://waterdata.usgs.gov/provisional-data-statement/
#
# Contact: gs-w_waterdata_support@usgs.gov
# retrieved: 2024-08-15 11:28:53 EDT (caww01)
#
# Data for the following 1 site(s) are contained in this file
# USGS 07331200 Mill Creek near Mill Creek, OK
# -----
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# Data provided for site 07331200
# TS parameter statistic Description
# 325587 00060 00003 Discharge, cubic feet per second (Mean)
#
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# Data-value qualification codes included in this output:
# A Approved for publication -- Processing and review completed.
# P Provisional data subject to revision.
#
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USGS	07331200	2024-04-09	8.68	A
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USGS	07331200	2024-04-16	9.51	P
USGS	07331200	2024-04-17	6.52	P
USGS	07331200	2024-04-18	4.99	P
USGS	07331200	2024-04-19	3.89	P
USGS	07331200	2024-04-20	4.13	P
USGS	07331200	2024-04-21	3.57	P
USGS	07331200	2024-04-22	3.13	P
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USGS	07331200	2024-04-24	2.84	P
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USGS	07331200	2024-06-14	31.9	P
USGS	07331200	2024-06-15	28.0	P
USGS	07331200	2024-06-16	19.8	P
USGS	07331200	2024-06-17	17.8	P
USGS	07331200	2024-06-18	17.6	P
USGS	07331200	2024-06-19	17.0	P
USGS	07331200	2024-06-20	15.5	P
USGS	07331200	2024-06-21	13.6	P
USGS	07331200	2024-06-22	14.4	P
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USGS	07331200	2024-06-26	15.5	P
USGS	07331200	2024-06-27	16.0	P
USGS	07331200	2024-06-28	13.8	P
USGS	07331200	2024-06-29	16.6	P
USGS	07331200	2024-06-30	17.7	P

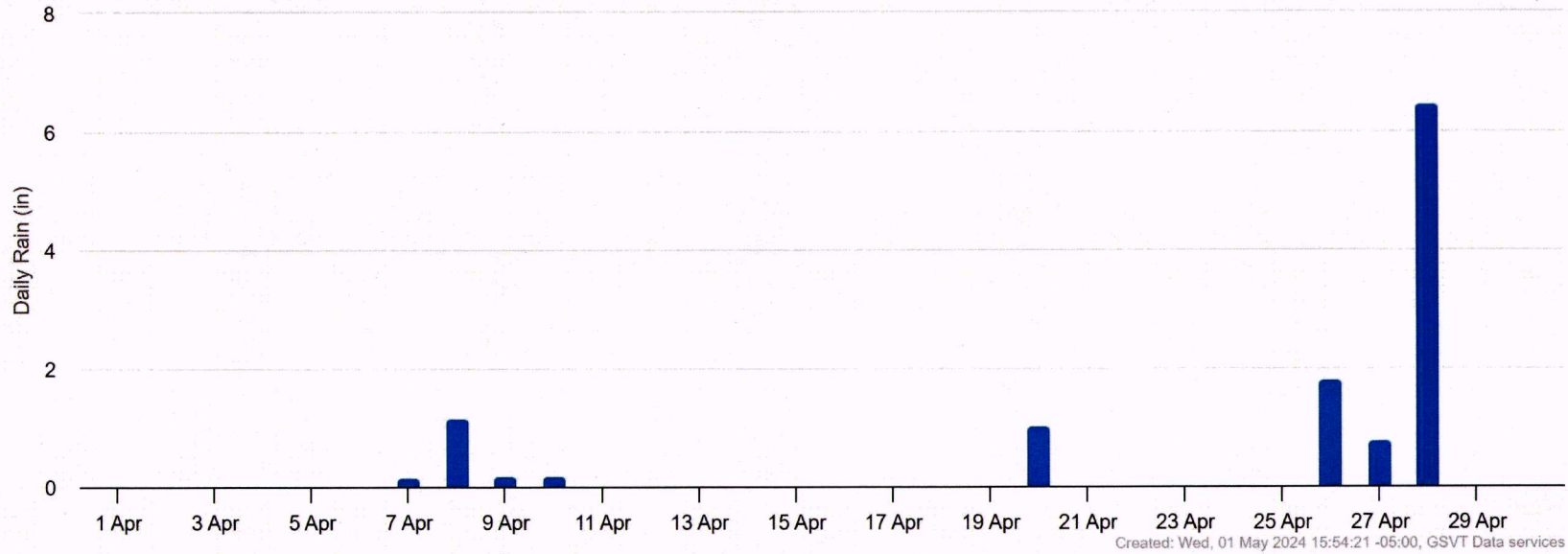
Date	Reference ET, Short (in.)	Reference ET, Tall (in.)	Cool Season Grass ET (in.)	Warm Season Grass ET (in.)	Pan Evapotranspiration (in.)
4/1/2024	0.07	0.09	0.06	0.04	0.09
4/2/2024	0.1	0.14	0.09	0.06	0.13
4/3/2024	0.17	0.24	0.16	0.11	0.24
4/4/2024	0.16	0.21	0.15	0.1	0.21
4/5/2024	0.2	0.27	0.18	0.12	0.26
4/6/2024	0.15	0.22	0.14	0.1	0.22
4/7/2024	0.19	0.26	0.18	0.12	0.25
4/8/2024	0.14	0.18	0.13	0.09	0.18
4/9/2024	0.11	0.13	0.1	0.07	0.14
4/10/2024	0.04	0.06	0.04	0.03	0.06
4/11/2024	0.19	0.26	0.18	0.12	0.26
4/12/2024	0.18	0.24	0.17	0.11	0.24
4/13/2024	0.23	0.32	0.22	0.14	0.33
4/14/2024	0.19	0.25	0.18	0.12	0.26
4/15/2024	0.04	0.05	0.04	0.03	0.06
4/16/2024	0.2	0.27	0.18	0.12	0.27
4/17/2024	0.14	0.17	0.13	0.09	0.18
4/18/2024	0.16	0.21	0.15	0.1	0.21
4/19/2024	0.12	0.17	0.11	0.08	0.17
4/20/2024	0.06	0.08	0.05	0.04	0.07
4/21/2024	0.16	0.21	0.15	0.1	0.22
4/22/2024	0.15	0.2	0.14	0.1	0.2
4/23/2024	0.14	0.17	0.13	0.09	0.18
4/24/2024	0.09	0.1	0.08	0.05	0.1
4/25/2024	0.12	0.16	0.12	0.08	0.16
4/26/2024	0.09	0.11	0.09	0.06	0.13
4/27/2024	0.08	0.11	0.08	0.05	0.11
4/28/2024	0.08	0.1	0.08	0.05	0.1
4/29/2024	0.17	0.19	0.16	0.11	0.21
4/30/2024	0.16	0.19	0.15	0.1	0.2
5/1/2024	0.13	0.15	0.12	0.08	0.16
5/2/2024	0.13	0.14	0.12	0.08	0.16
5/3/2024	0.18	0.2	0.16	0.11	0.22
5/4/2024	0.11	0.13	0.1	0.07	0.13
5/5/2024	0.08	0.08	0.07	0.05	0.1
5/6/2024	0.09	0.11	0.08	0.06	0.12
5/7/2024	0.23	0.3	0.22	0.14	0.31
5/8/2024	0.2	0.25	0.18	0.12	0.26
5/9/2024	0.14	0.19	0.13	0.09	0.18
5/10/2024	0.19	0.24	0.18	0.12	0.25
5/11/2024	0.14	0.15	0.13	0.09	0.17
5/12/2024	0.07	0.09	0.07	0.04	0.09
5/13/2024	0.11	0.12	0.1	0.07	0.13
5/14/2024	0.19	0.23	0.18	0.12	0.24

5/15/2024	0.2	0.24	0.19	0.12	0.25
5/16/2024	0.07	0.09	0.07	0.05	0.09
5/17/2024	0.13	0.14	0.12	0.08	0.16
5/18/2024	0.2	0.22	0.18	0.12	0.23
5/19/2024	0.21	0.26	0.2	0.13	0.27
5/20/2024	0.26	0.34	0.24	0.16	0.35
5/21/2024	0.2	0.26	0.18	0.12	0.27
5/22/2024	0.09	0.1	0.08	0.05	0.11
5/23/2024	0.13	0.16	0.12	0.08	0.16
5/24/2024	0.16	0.19	0.14	0.1	0.19
5/25/2024	0.14	0.16	0.13	0.09	0.17
5/26/2024	0.29	0.38	0.27	0.18	0.4
5/27/2024	0.23	0.27	0.21	0.14	0.28
5/28/2024	0.18	0.24	0.17	0.11	0.24
5/29/2024	0.19	0.22	0.18	0.12	0.23
5/30/2024	0.04	0.04	0.04	0.03	0.05
5/31/2024	0.15	0.16	0.14	0.09	0.17
6/1/2024	0.19	0.21	0.17	0.12	0.22
6/2/2024	0.08	0.1	0.08	0.05	0.1
6/3/2024	0.07	0.08	0.06	0.04	0.08
6/4/2024	0.08	0.09	0.07	0.05	0.1
6/5/2024	0.22	0.27	0.21	0.14	0.28
6/6/2024	0.22	0.24	0.2	0.13	0.26
6/7/2024	0.24	0.29	0.22	0.15	0.3
6/8/2024	0.28	0.36	0.26	0.17	0.37
6/9/2024	0.22	0.26	0.2	0.14	0.27
6/10/2024	0.12	0.16	0.12	0.08	0.15
6/11/2024	0.18	0.21	0.17	0.11	0.22
6/12/2024	0.22	0.25	0.2	0.13	0.26
6/13/2024	0.21	0.24	0.2	0.13	0.26
6/14/2024	0.22	0.25	0.21	0.14	0.27
6/15/2024	0.23	0.27	0.21	0.14	0.28
6/16/2024	0.25	0.31	0.23	0.15	0.32
6/17/2024	0.24	0.32	0.22	0.15	0.32
6/18/2024	0.24	0.31	0.22	0.15	0.33
6/19/2024	0.18	0.22	0.17	0.11	0.22
6/20/2024	0.17	0.2	0.16	0.11	0.21
6/21/2024	0.22	0.26	0.2	0.13	0.27
6/22/2024	0.23	0.28	0.21	0.14	0.29
6/23/2024	0.24	0.29	0.22	0.15	0.3
6/24/2024	0.25	0.29	0.23	0.15	0.31
6/25/2024	0.24	0.29	0.22	0.15	0.3
6/26/2024	0.24	0.3	0.23	0.15	0.31
6/27/2024	0.25	0.31	0.24	0.16	0.33
6/28/2024	0.24	0.31	0.23	0.15	0.32
6/29/2024	0.23	0.28	0.22	0.14	0.29
6/30/2024	0.23	0.27	0.22	0.14	0.29

MARTIN MARIETTA MILL CREEK LIMESTONE WEATHER – DAILY TOTAL RAIN

Daily Total Rain

Total Rain: 11.88 (in)



Date	Daily Rain (in)
4/1/2024	0.03
4/2/2024	0
4/3/2024	0
4/4/2024	0
4/5/2024	0
4/6/2024	0
4/7/2024	0.17
4/8/2024	1.16
4/9/2024	0.18
4/10/2024	0.19

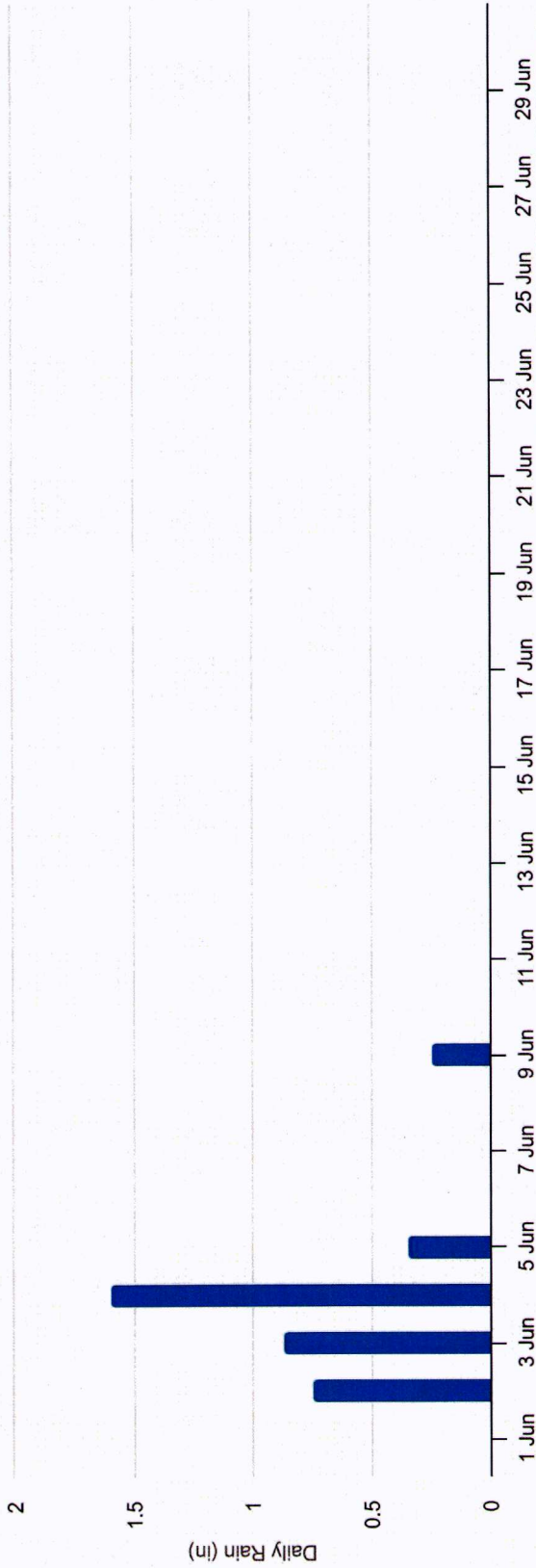
4/11/2024	0
4/12/2024	0
4/13/2024	0
4/14/2024	0
4/15/2024	0
4/16/2024	0
4/17/2024	0
4/18/2024	0
4/19/2024	0
4/20/2024	1.03
4/21/2024	0

4/22/2024	0
4/23/2024	0
4/24/2024	0.03
4/25/2024	0.01
4/26/2024	1.82
4/27/2024	0.79
4/28/2024	6.46
4/29/2024	0.01
4/30/2024	0

MARTIN MARIETTA MILL CREEK LIMESTONE WEATHER – DAILY TOTAL RAIN

Mill Creek Limestone Daily Total Rain

Total Rain: 3.82 (in)



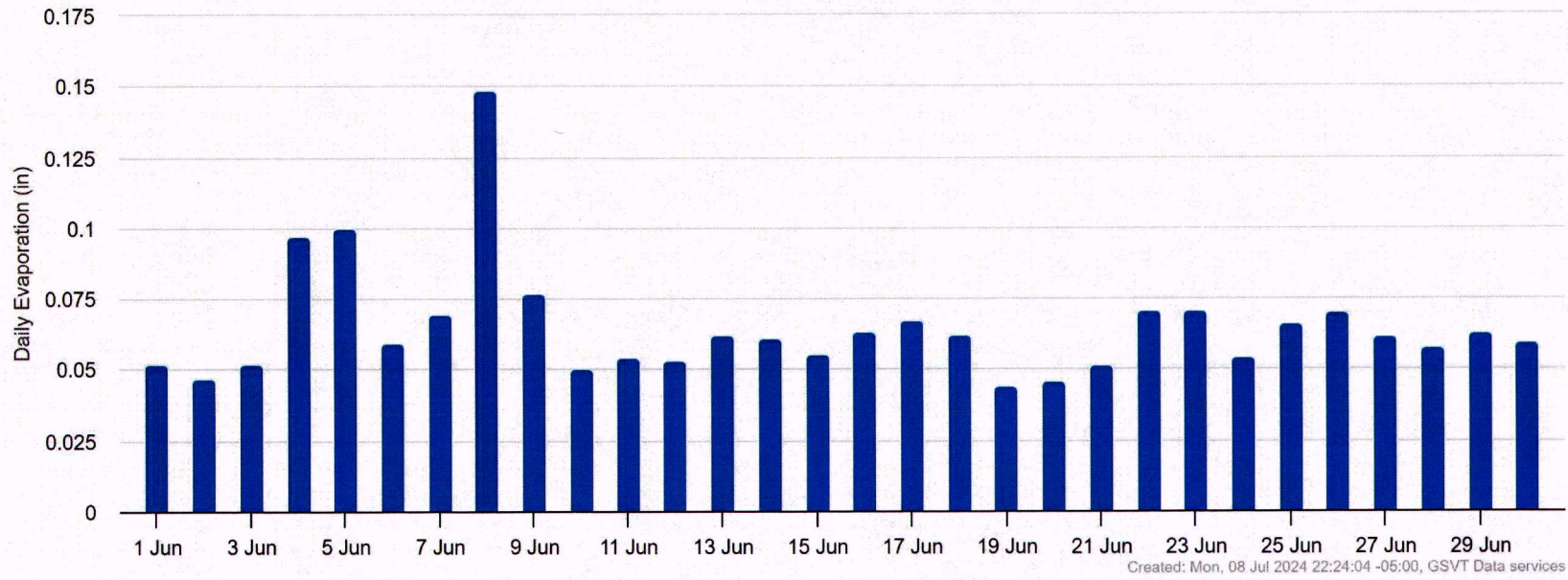
Created: Mon, 08 Jul 2024 22:24:03 -06:00, GSVT Data services

Date	Daily Rain (in)
6/1/2024	0
6/2/2024	0.75
6/3/2024	0.87
6/4/2024	1.6
6/5/2024	0.35
6/6/2024	0
6/7/2024	0
6/8/2024	0
6/9/2024	0.25
6/10/2024	0

6/11/2024	0
6/12/2024	0
6/13/2024	0
6/14/2024	0
6/15/2024	0
6/16/2024	0
6/17/2024	0
6/18/2024	0
6/19/2024	0
6/20/2024	0
6/21/2024	0

6/22/2024	0
6/23/2024	0
6/24/2024	0
6/25/2024	0
6/26/2024	0
6/27/2024	0
6/28/2024	0
6/29/2024	0
6/30/2024	0

Mill Creek Limestone Daily Evaporation



Date	Daily Evaporation (in)
6/1/2024	0.0519
6/2/2024	0.0468
6/3/2024	0.0521
6/4/2024	0.0973
6/5/2024	0.1001
6/6/2024	0.0592
6/7/2024	0.0697
6/8/2024	0.1483
6/9/2024	0.0765

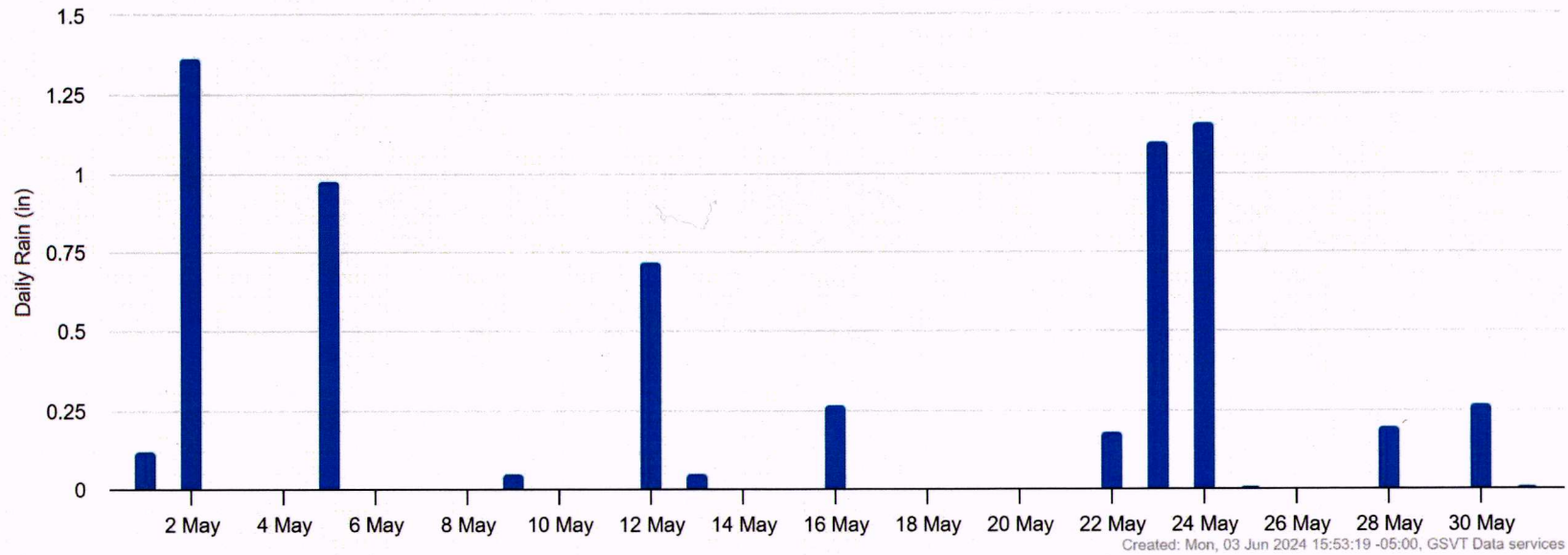
6/10/2024	0.05
6/11/2024	0.054
6/12/2024	0.0531
6/13/2024	0.0621
6/14/2024	0.0607
6/15/2024	0.0551
6/16/2024	0.063
6/17/2024	0.067
6/18/2024	0.062
6/19/2024	0.0443
6/20/2024	0.0455

6/21/2024	0.0514
6/22/2024	0.0704
6/23/2024	0.0705
6/24/2024	0.054
6/25/2024	0.0663
6/26/2024	0.0699
6/27/2024	0.0614
6/28/2024	0.0577
6/29/2024	0.0627
6/30/2024	0.0592

MARTIN MARIETTA MILL CREEK LIMESTONE WEATHER – DAILY TOTAL RAIN

Mill Creek Limestone Daily Total Rain

Total Rain: 6.49 (in)



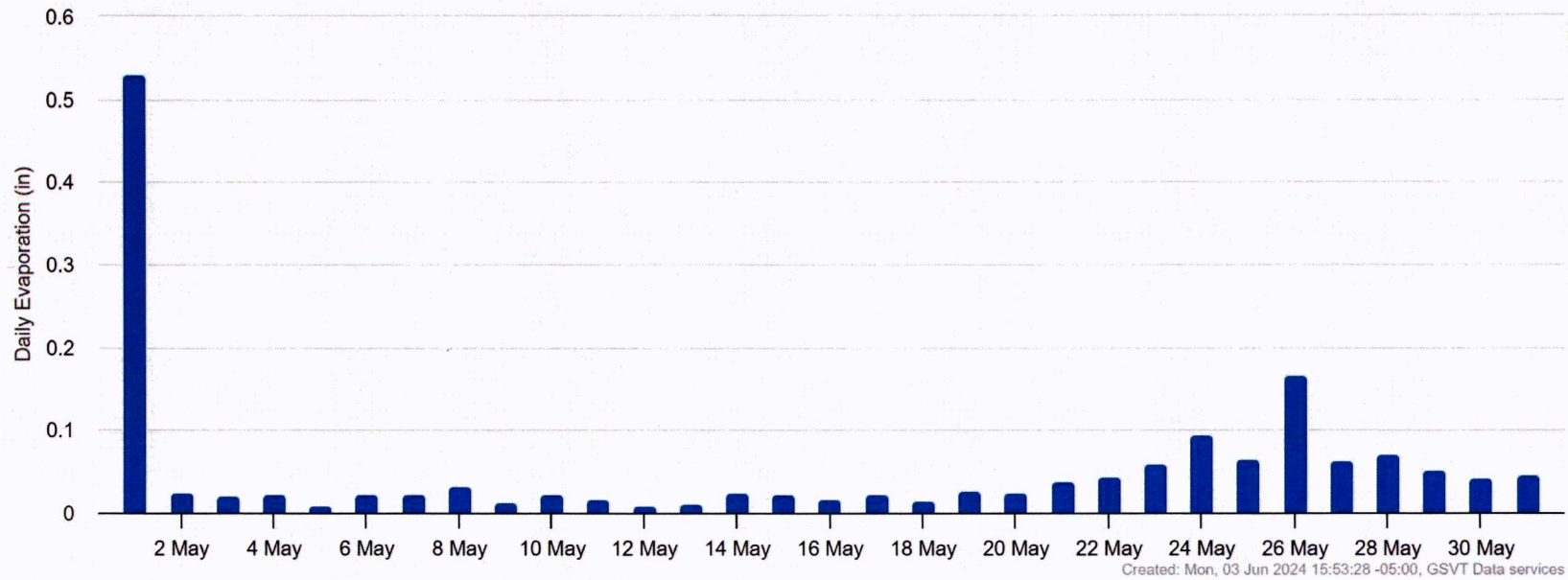
Created: Mon, 03 Jun 2024 15:53:19 -05:00, GSVT Data services

Date	Daily Rain (in)
5/1/2024	0.12
5/2/2024	1.37
5/3/2024	0
5/4/2024	0
5/5/2024	0.98
5/6/2024	0
5/7/2024	0
5/8/2024	0
5/9/2024	0.05
5/10/2024	0
5/11/2024	0
5/12/2024	0.72

5/13/2024	0.05
5/14/2024	0
5/15/2024	0
5/16/2024	0.27
5/17/2024	0
5/18/2024	0
5/19/2024	0
5/20/2024	0
5/21/2024	0
5/22/2024	0.18
5/23/2024	1.1
5/24/2024	1.16
5/25/2024	0.01

5/26/2024	0
5/27/2024	0
5/28/2024	0.2
5/29/2024	0
5/30/2024	0.27
5/31/2024	0.01

Mill Creek Limestone Daily Evaporation



Date	Daily Evaporation (in)
5/1/2024	0.5304
5/2/2024	0.0258
5/3/2024	0.021
5/4/2024	0.0224
5/5/2024	0.0088
5/6/2024	0.0235
5/7/2024	0.0234
5/8/2024	0.0328
5/9/2024	0.0142

5/10/2024	0.0227
5/11/2024	0.0166
5/12/2024	0.0104
5/13/2024	0.0107
5/14/2024	0.0242
5/15/2024	0.024
5/16/2024	0.0178
5/17/2024	0.0224
5/18/2024	0.0162
5/19/2024	0.0264
5/20/2024	0.0251

5/21/2024	0.0386
5/22/2024	0.0443
5/23/2024	0.0598
5/24/2024	0.0947
5/25/2024	0.0658
5/26/2024	0.1671
5/27/2024	0.0637
5/28/2024	0.0719
5/29/2024	0.0519
5/30/2024	0.0432
5/31/2024	0.0469

MESONET CLIMATOLOGICAL DATA SUMMARY
(TISH) Tishomingo
Latitude: 34-19-57

April 2024
Nearest City: 6.0 N Tishomingo
Longitude: 96-40-44

Time Zone: Midnight-Midnight CST
County: Johnston
Elevation: 879 feet

DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN		PRESSURE (in)			WIND SPEED (mph)			SOLAR (MJ/m2)	4" SOIL TEMPERATURES			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG	(in)	STN	MSL	DIR	AVG	MAX	SOD	BARE		MAX	MIN		
1	76	61	69.6	65.8	0	4	98	75	88	0.10	28.72	29.66	S	10.2	31.6	5.39	63.7	65.1	68	62		
2	61*	40*	52.0*	44.8*	14*	0*	100*	55*	78*	0.00*	28.91*	29.85*	NW *	10.3*	30.4*	NA	61.4*	58.5*	64*	52*		
3	64	38	52.4	32.1	14	0	86	22	51	0.00	28.98	29.92	NW	9.7	29.8	24.27	58.1	53.8	62	48		
4	75	36	57.1	38.0	10	0	88	25	53	0.00	29.00	29.94	NE	5.0	15.5	23.78	58.8	56.8	69	46		
5	79	48	63.6	43.8	2	0	72	34	50	0.00	29.04	29.98	ESE	7.2	19.5	23.37	61.0	59.9	70	51		
6	74	57	66.5	56.0	0	1	86	59	69	0.02	28.88	29.81	S	14.6	36.6	14.66	62.3	61.8	66	56		
7	73	47	60.0	39.4	5	0	96	23	52	0.04	28.89	29.82	WSW	7.8	30.9	24.48	62.8	62.1	71	54		
8	79	42	63.5	53.8	5	0	95	49	72	0.09	28.90	29.84	S	5.8	22.2	18.89	62.5	62.5	74	52		
9	71	55	63.6	57.9	2	0	99	61	83	0.84	28.87	29.81	ENE	10.1	32.7	14.51	64.2	64.3	68	60		
10	61	51	56.3	53.3	9	0	97	74	90	0.23	28.83	29.77	N	11.7	36.7	4.86	62.3	59.8	62	55		
11	68	46	57.2	38.6	8	0	91	27	54	0.00	29.08	30.02	NW	10.3	32.5	24.95	60.8	57.1	64	51		
12	77	38	60.5	44.2	7	0	93	33	59	0.00	29.22	30.16	S	7.3	24.6	24.27	62.0	58.9	69	49		
13	80	55	68.1	51.3	0	2	84	33	57	0.00	29.13	30.07	SSW	13.2	39.7	24.43	64.3	61.9	69	55		
14	81	60	70.2	62.4	0	6	95	62	77	0.00	28.98	29.92	S	12.4	25.1	23.27	66.8	66.1	75	59		
15	71	63	68.1	66.0	0	2	99	87	93	0.00	28.89	29.82	SE	9.8	31.6	4.82	66.8	66.0	68	63		
16	80	57	71.3	56.2	0	4	98	28	64	0.02	28.83	29.77	SW	11.3	29.0	19.62	68.4	68.5	73	64		
17	82	56	71.5	65.8	0	4	95	66	83	0.00	28.97	29.91	SE	6.7	22.1	20.00	69.4	69.7	79	62		
18	84	56	69.7	63.0	0	5	97	59	81	0.00	28.98	29.92	SSE	12.0	24.6	16.57	71.0	71.3	79	65		
19	64	53	57.8	49.0	7	0	80	64	73	0.00	29.17	30.11	NNE	11.1	28.3	14.44	67.6	64.9	72	60		
20	58	49	51.9	47.6	11	0	96	65	86	0.87	29.25	30.19	NE	9.3	29.9	3.30	63.0	58.1	63	55		
21	63	41	53.0	38.2	13	0	95	40	59	0.00	29.35	30.30	NNE	9.3	25.6	23.76	63.0	58.1	66	51		
22	67	35	53.5	41.5	14	0	98	41	68	0.00	29.21	30.15	S	8.1	26.8	25.99	63.0	58.0	67	49		
23	75	49	63.3	56.6	3	0	96	66	79	0.00	29.02	29.96	S	9.6	28.7	19.38	64.4	61.5	70	53		
24	75	55	66.6	63.1	0	0	100	71	89	0.03	29.13	30.07	SE	4.9	19.7	11.38	66.1	65.4	72	59		
25	78	67	71.5	66.8	0	8	95	70	85	0.02	28.96	29.90	SSE	11.9	28.7	12.79	68.4	68.8	74	65		
26	77	61	70.1	67.1	0	4	99	77	90	1.37	28.77	29.70	S	14.9	35.4	12.61	68.9	69.8	75	65		
27	77	63	72.3	67.8	0	5	97	73	86	0.41	28.83	29.76	SSE	12.6	36.8	6.18	69.1	69.4	71	68		
28	74	58	65.0	63.0	0	1	100	75	94	3.57	28.87	29.81	S	8.0	30.9	9.36	67.6	68.1	72	64		
29	80	59	69.5	62.3	0	4	100	48	81	0.01	28.94	29.88	ESE	3.2	11.4	25.39	70.2	73.3	84	65		
30	82	60	71.6	66.6	0	6	100	67	85	0.01	28.93	29.87	S	9.7	29.0	20.43	71.5	71.9	78	65		
74* 52* 63.6* 54.1*				<- Monthly Averages ->							28.98* 29.92*		S * 9.6* 39.7*			17.14*	65.0* 63.7* 71* 57*					

Temperature - Highest: 84*
Lowest: 35*

Rainfall: Monthly Total: 7.63* in.
Greatest 24 Hr: 3.57* in.

Degree Days - Total HDD: 124*
Total CDD: 56*

Humidity - Highest: 100*
Lowest: 22*

Number of Days With:

Tmax ≥ 90: 0* Rainfall ≥ 0.01 inch: 15*
Tmax < 32: 0* Rainfall ≥ 0.10 inch: 7*
Tmin < 32: 0* Avg Wind Speed > 10 mph: 14*
Tmin < 0: 0* Max Wind Speed ≥ 30 mph: 12*

MESONET CLIMATOLOGICAL DATA SUMMARY
 (TISH) Tishomingo
 Latitude: 34-19-57

May 2024
 Nearest City: 6.0 N Tishomingo
 Longitude: 96-40-44

Time Zone: Midnight-Midnight CST
 County: Johnston
 Elevation: 879 feet

DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND SPEED (mph)			SOLAR (MJ/m2)	4" SOIL TEMPERATURES			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG		STN	MSL	DIR	AVG	MAX		SOD	BARE	MAX	MIN
1	76	62	69.6	64.3	0	4	99	68	84	0.54	28.91	29.85	ESE	8.9	34.6	16.92	72.1	72.2	80	67
2	77	63	71.0	66.4	0	5	100	69	86	1.18	28.84	29.78	SE	7.2	27.9	17.07	73.0	74.3	80	68
3	82	61	73.0	66.2	0	7	98	63	80	0.00	28.93	29.87	E	6.7	23.1	24.00	74.8	76.4	85	69
4	79	64	70.5	66.1	0	7	100	70	87	0.00	29.00	29.94	NE	5.8	17.3	12.62	74.2	73.6	80	69
5	71	62	65.9	64.3	0	1	100	80	95	0.61	28.98	29.92	ENE	6.5	23.9	10.66	72.5	71.6	77	69
6	80	62	71.9	68.8	0	6	100	76	91	0.00	28.78	29.72	SSE	12.5	35.9	9.93	72.0	71.5	76	68
7	84	63	75.1	59.1	0	8	97	22	63	0.00	28.71	29.64	SSW	8.3	32.1	26.85	74.7	75.5	83	70
8	88	61	76.9	67.5	0	10	96	35	75	0.00	28.64	29.57	S	11.2	27.0	20.72	75.3	75.6	83	70
9	74	57	65.0	52.3	0	0	92	42	65	0.07	28.90	29.84	NE	9.5	27.6	10.43	71.7	66.8	71	63
10	76	57	66.3	53.8	0	1	96	43	66	0.00	29.08	30.02	NNE	7.3	21.8	25.30	71.0	68.2	78	59
11	78	55	67.9	58.3	0	1	98	44	74	0.00	29.05	29.99	SSE	3.3	13.5	19.23	71.5	71.1	79	63
12	72	59	64.1	61.3	0	1	99	65	91	0.76	28.92	29.86	E	7.1	22.9	6.62	70.1	68.3	72	65
13	76	59	66.4	62.7	0	2	100	60	89	0.10	28.81	29.75	NW	4.4	20.7	14.02	70.2	70.3	78	66
14	79	56	67.1	57.0	0	3	99	41	74	0.00	28.85	29.79	NW	6.1	21.3	26.29	71.9	70.4	78	63
15	85	56	71.8	61.7	0	5	100	48	73	0.00	28.87	29.80	SSE	7.2	24.9	25.36	73.1	72.4	81	64
16	72	62	67.9	63.4	0	2	97	71	86	0.26	28.86	29.80	ENE	6.0	21.5	8.20	72.3	70.3	73	68
17	78	59	67.6	62.7	0	4	100	59	86	0.00	28.84	29.78	SW	2.2	9.1	18.41	72.0	72.3	81	65
18	87	58	74.0	64.3	0	8	100	42	75	0.00	28.92	29.86	ESE	3.9	15.0	25.95	74.0	75.5	85	66
19	88	65	77.4	68.2	0	11	97	56	75	0.00	28.96	29.89	SSE	9.7	24.9	24.54	75.9	76.2	84	69
20	88	70	78.5	66.4	0	14	92	46	68	0.00	28.87	29.80	SSE	12.9	32.1	26.16	76.9	76.1	82	71
21	87	71	78.5	71.0	0	14	98	66	78	0.00	28.80	29.74	S	12.7	33.9	18.84	76.8	75.9	82	71
22	77	64	71.6	69.2	0	6	100	79	92	0.35	28.88	29.82	NE	7.6	49.8	11.49	75.3	74.2	77	72
23	86	64	74.0	69.3	0	10	100	58	87	0.90	28.86	29.79	SSE	7.9	33.1	13.43	74.3	74.4	81	70
24	88	66	74.5	70.6	0	12	100	66	88	1.02	28.80	29.73	SSE	7.8	31.3	16.14	75.4	76.6	85	71
25	85	65	75.7	70.7	0	10	98	61	85	0.11	28.82	29.75	SSE	9.6	37.3	15.35	75.9	76.4	82	71
26	93	66	81.1	65.1	0	14	97	30	62	0.00	28.72	29.65	SSW	11.5	34.2	26.93	78.0	77.6	84	72
27	92	61	78.1	61.9	0	12	100	25	64	0.00	28.99	29.93	ENE	5.1	14.8	26.91	77.8	77.5	85	69
28	81	65	71.7	61.3	0	8	93	46	71	0.12	29.13	30.07	E	10.0	47.0	17.89	76.3	73.6	78	69
29	83	62	73.1	65.0	0	7	99	58	77	0.00	29.12	30.06	E	5.8	16.2	24.68	76.5	75.5	84	68
30	71	63	68.0	67.2	0	2	100	90	97	0.69	29.02	29.96	ESE	5.7	26.8	5.17	74.5	72.5	74	70
31	81	63	71.1	65.9	0	7	100	63	85	0.01	28.99	29.92	SE	4.6	15.0	18.30	74.5	74.1	81	68
	81	62	71.8	64.2	←- Monthly Averages →-						28.90	29.84	SSE	7.6	49.8	18.21	74.0	73.4	80	68

Temperature - Highest: 93 Lowest: 55	Degree Days - Total HDD: 0 Total CDD: 203	Number of Days With: Tmax > 90: 2 Tmax < 32: 0 Tmin < 32: 0 Tmin ≤ 0: 0	Rainfall ≥ 0.01 inch: 14 Rainfall ≥ 0.10 inch: 12 Avg Wind Speed ≥ 10 mph: 6 Max Wind Speed ≥ 30 mph: 11
Rainfall: Monthly Total: 6.72 in. Greatest 24 Hr: 1.18 in.	Humidity - Highest: 100 Lowest: 22		

MESONET CLIMATOLOGICAL DATA SUMMARY
 (TISH) Tishomingo
 Latitude: 34-19-57

June 2024
 Nearest City: 6.0 N Tishomingo
 Longitude: 96-40-44

Time Zone: Midnight-Midnight CST
 County: Johnston
 Elevation: 879 feet

DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND SPEED (mph)			SOLAR (MJ/m2)	4" SOIL TEMPERATURES			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG		STN	MSL	DIR	AVG	MAX		SOD	BARE	MAX	MIN
1	86	63	74.3	67.5	0	9	100	52	82	0.00	29.02	29.96	SSE	4.5	15.7	24.02	76.2	76.6	84	69
2	80	64	69.1	67.5	0	7	100	76	95	0.87	28.97	29.90	SE	6.2	35.4	7.72	74.7	73.4	78	70
3	75	65	67.8	66.6	0	5	100	85	96	0.43	28.81	29.75	ESE	7.5	38.7	6.13	72.1	70.9	74	69
4	79	63	71.8	69.1	0	6	100	78	91	2.08	28.73	29.66	SSE	9.0	40.9	8.49	72.3	73.0	77	69
5	87	63	74.3	64.3	0	10	100	36	76	0.14	28.86	29.79	N	6.8	23.1	26.19	75.5	77.0	86	70
6	93	60	77.4	64.7	0	12	99	35	70	0.00	28.95	29.88	SSE	3.2	15.4	26.93	76.8	77.9	87	69
7	92	68	80.3	67.9	0	15	99	40	69	0.00	28.97	29.91	SSE	7.4	22.4	25.03	78.9	78.5	85	73
8	95	72	83.5	70.1	0	19	95	39	67	0.00	28.90	29.83	S	10.8	27.8	26.24	80.5	78.9	85	73
9	93	69	79.3	71.0	0	16	99	50	78	0.76	28.93	29.87	SSW	7.0	53.2	23.07	81.1	79.9	90	73
10	83	67	73.4	67.5	0	10	98	48	83	0.00	28.99	29.93	NNE	7.1	17.3	11.20	78.3	76.1	80	74
11	85*	66*	74.9*	65.0*	0*	10*	99*	48*	74*	0.00*	29.01*	29.95*	E*	5.1*	15.0*	NA	77.6*	76.2*	82*	71*
12	88	65	77.0	65.2	0	11	99	43	70	0.00	29.04	29.98	SE	4.7	14.2	26.63	78.5	77.2	85	70
13	90	65	79.1	69.7	0	13	99	53	75	0.00	29.01	29.95	SSE	5.4	19.1	25.83	79.6	78.4	86	71
14	92	69	80.8	69.7	0	16	99	43	72	0.00	29.03	29.97	SE	3.8	13.5	26.32	81.0	80.5	89	73
15	91	66	79.7	68.0	0	13	100	45	71	0.00	28.98	29.92	SSE	6.1	20.5	25.91	81.0	80.3	88	73
16	91	71	81.6	69.4	0	16	94	47	68	0.00	28.92	29.86	SSE	9.1	24.1	25.60	81.3	81.9	91	74
17	91	73	82.2	71.5	0	17	93	53	71	0.00	28.88	29.82	SSE	12.9	29.6	21.67	81.0	82.6	91	75
18	89	73	81.2	70.6	0	16	91	51	72	0.00	28.94	29.87	SSE	13.8	30.2	20.88	80.7	83.3	91	77
19	87	70	78.5	69.1	0	14	97	52	74	0.00	29.14	30.09	ESE	6.4	16.7	18.60	80.1	83.3	91	76
20	89	73	80.1	72.0	0	16	94	56	77	0.00	29.23	30.17	E	5.6	13.9	17.82	80.5	84.6	94	77
21	92	73	81.4	70.2	0	17	96	49	71	0.00	29.19	30.14	SE	5.3	15.4	23.21	81.9	87.3	99	78
22	94	68	81.9	71.0	0	16	99	49	72	0.00	29.07	30.02	SSW	7.2	22.0	24.86	81.8	88.3	99	78
23	96	73	84.4	72.6	0	20	91	46	70	0.00	28.99	29.93	SSW	6.3	17.2	24.78	82.9	90.7	102	80
24	95	72	84.8	71.1	0	18	99	43	66	0.00	28.99	29.92	SSE	6.4	20.8	25.69	83.6	92.0	102	82
25	96	77	85.7	75.0	0	21	94	48	72	0.00	28.96	29.89	SSE	8.3	21.3	22.58	83.9	92.0	101	84
26	98	78	86.3	76.3	0	23	92	53	73	0.01	28.91	29.85	SSW	7.9	20.6	22.62	84.7	92.6	102	85
27	92	75	82.9	70.1	0	19	85	44	67	0.00	28.93	29.87	SE	7.4	18.7	25.34	84.4	93.0	103	85
28	96	76	84.6	73.8	0	21	83	50	71	0.00	28.84	29.78	SSE	9.8	23.0	21.08	84.1	91.4	101	84
29	96	74	85.6	75.8	0	20	98	50	74	0.00	29.02	29.96	SSE	7.6	19.4	23.57	85.0	92.8	103	84
30	98	75	86.8	73.8	0	21	99	42	68	0.00	29.17	30.11	ESE	5.0	16.7	24.11	85.5	95.2	106	86
90* 70* 79.7* 69.9*				<- Monthly Averages ->							28.98* 29.92*		SSE* 7.1* 53.2*			21.80*	80.2* 82.9* 91* 76*			

Temperature - Highest: 98*
 Lowest: 60*
 Rainfall: Monthly Total: 4.29* in.
 Greatest 24 Hr: 2.08* in.

Degree Days - Total HDD: 0*
 Total CDD: 448*
 Humidity - Highest: 100*
 Lowest: 35*

Number of Days With:
 Tmax > 90: 19* Rainfall >= 0.01 inch: 6*
 Tmax < 32: 0* Rainfall >= 0.10 inch: 5*
 Tmin < 32: 0* Avg Wind Speed >= 10 mph: 3*
 Tmin <= 0: 0* Max Wind Speed >= 30 mph: 5*