Martin Marietta

Jesse Martindale
Sr. Environmental Engineer

March 28, 2023

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 Q4 and annual 2022

Dear Mr. Cogburn:

Attached please find the Q4 2022 Quarterly and Annual 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.

Please call if you have any questions or comments.

Sincerely,

Jesse Martindale

Jesse Martindale
Sr. Environmental Engineer

North Texas/Oklahoma District
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ATTACHMENT 1 (Appendix C)

Martin Marietta Mill Creek 2022

Appendix C . Consumptive use of Pitwater			Q1 2022	Q2 2022	Q3 2022	Q4 2022	2022 Total
PIT GROUNDWATER VOLUME							
1	Total volume pumped from producing mine pit(s) (AC-FT)		537.1	469.8	317.9	460.9	1785.8
2	Volume of precipitation that falls onto the surface of producing Mine Pits (AC-FT)		2.6	0.1	0.0	0.1	2.8
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water (AC-FT)		26.8	165.1	23.3	231.0	446.3
4	**(WATER HELD IN PIT FROM PREVIOUS MONTHS) other non pit waters pumped from the producing mining pit (AC-FT)**		94.9	2.1	-0.2	-0.9	96.0
5	add lines 2 through 4		124.4	167.3	23.2	230.2	545.1
6	**Pit Groundwater Volume (AC-FT)** (line 1 minus Line 5)		412.7	302.5	294.8	230.7	1240.7
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	0.00	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)		3.65	2.23	2.89	2.20	10.97
9	Vol. of pit groundwater that evaporates from producing mine pits, process ponds and lined ponds (excluding structures used for augmentation) (AC-FT)		2.83	0.00	0.03	0.00	2.86
10	Volume of pit groundwater that is used for other beneficial uses off of the mine site (AC-FT) (includes on-site dust control)		15.52	13.26	12.90	7.81	49.49
11	**DEFINED ELEMENTS OF CONSUMPTIVE USE** of Pit groundwater (AC-FT) (add lines 7 through 10)		**22.00**	**15.49**	**15.82**	**10.01**	**63.32**
PIT GROUNDWATER BALANCE							
12	Lines 6 minus 11		390.68	287.01	278.94	220.72	1177.34
13	**Groundwater Augmentation** Volume of pit water returned to GW Basin or subbasin. (Troy Recharge AC-FT)	Credits	286.77	359.42	451.86	399.38	1497.43
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)		83.45	171.89	0.00	0.00	255.34
15	**PPT and Runoff** Volume of Precipitation and surface runoff into a recharge pit or holding pond (AC-FT)		11.62	48.79	7.85	38.61	106.87
16	**Recycled Pit Groundwater** - Volume of ground water returned to the mine pit or holding basin (AC-FT)		334.52	258.83	251.91	159.63	1004.89
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)		12.71	0.00	0.00	4.28	16.99
18	add lines 13 through 17		729.07	838.92	711.62	601.91	2881.52
19	**OTHER CONSUMPTIVE USE** Line 12 minus Line 18		-338.39	-551.91	-432.68	-381.19	-1704.18
TOTAL REPORTED CONSUMPTIVE USE (AC-FT)							
	TOTAL NET CONSUMPTIVE USE (AC-FT) Line 11 plus line 19		-316.39	-536.42	-416.86	-371.18	-1640.85

ATTACHMENT 1 (Appendix C)

Martin Marietta (TXI) Mill Creek 2022

Appendix C . Consumptive use of Pitwater

			Q1 2022	Q2 2022	Q3 2022	Q4 2022	2022 Total
PIT GROUNDWATER VOLUME							
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3	Portion of total precipitation that flows over the land surface that drains into the mine pit water (AC-FT)		26.8	165.1	23.3	231.0	446.3
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5	add lines 2 through 4		124.4	167.3	23.2	230.2	545.1
6	**Pit Groundwater Volume (AC-FT)** (line 1 minus Line 5)		412.7	302.5	294.8	230.7	1240.7
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	0.00	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)		3.65	2.23	2.89	2.20	10.97
9	Vol. of pit groundwater that evaporates from producing mine pits, process ponds and lined ponds (excluding structures used for augmentation) (AC-FT)		2.83	0.00	0.03	0.00	2.86
10	Volume of pit groundwater that is used for other beneficial uses off of the mine site (AC-FT) (includes on-site dust control)		15.52	13.26	12.90	7.81	49.49
11	**DEFINED ELEMENTS OF CONSUMPTIVE USE** of Pit groundwater (AC-FT) (add lines 7 through 10)		**22.00**	**15.49**	**15.82**	**10.01**	**63.32**
PIT GROUNDWATER BALANCE							
12	Lines 6 minus 11		390.68	287.01	278.94	220.72	1177.34
13	**Groundwater Augmentation** Volume of pit water returned to GW Basin or subbasin. (Troy Recharge AC-FT)	Credits	286.77	359.42	451.86	399.38	1497.43
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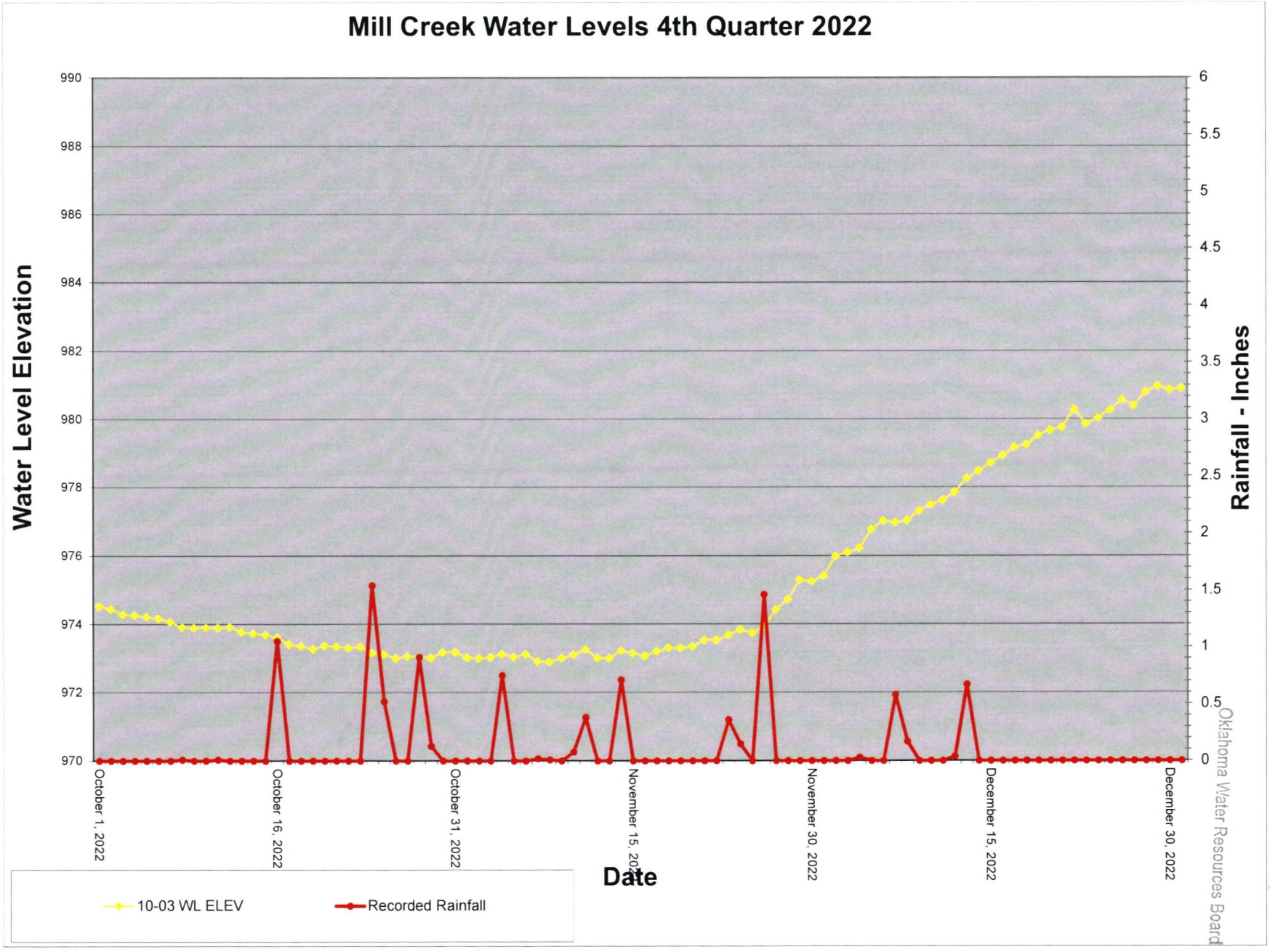
15	**PPT and Runoff** Volume of Precipitation and surface runoff into a recharge pit or holding pond (AC-FT)		11.62	48.79	7.85	38.61	106.87
16	**Recycled Pit Groundwater** - Volume of ground water returned to the mine pit or holding basin (AC-FT)		334.52	258.83	251.91	159.63	1004.89
17	**Other Non-Consumptive GW Losses** Including pit GW returned to the land surface from which surface runoff flows into a mine pit and other losses (AC-FT)		12.71	0.00	0.00	4.28	16.99
18	add lines 13 through 17		729.07	838.92	711.62	601.91	2881.52
19	**OTHER CONSUMPTIVE USE** Line 12 minus Line 18		-338.39	-551.91	-432.68	-381.19	-1704.18
TOTAL REPORTED CONSUMPTIVE USE (AC-FT)							
	TOTAL NET CONSUMPTIVE USE (AC-FT) Line 11 plus line 19		-316.39	-536.42	-416.86	-371.18	-1640.85

RESULTS FROM RUNOFF MODELLING

2022	PPT.	Quarry Monthly Totals				FW Pond Monthly Totals		Re-cycle Recharge (Troy) Monthly Totals		TXI-Mill Creek Totals	
		Sump Direct ppt	In-Quarry Runoff	Runoff from beyond Quarry	Quarry Totals	Direct ppt	Runoff	Direct ppt	Runoff	Direct ppt	Runoff
	Inches	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft	ac-ft
January	0.36	0.750	1.077	0.000	1.83	0.52	0.00	1.06	0.00	**2.33**	**1.08**
February	0.89	1.854	4.503	0.162	6.52	1.30	0.00	2.62	0.07	**5.77**	**4.73**
March	2.33	0.019	18.855	2.254	21.13	3.39	0.11	6.86	1.01	**10.28**	**22.23**
Q1 Subtotal	**3.58**	**2.62**	**24.43**	**2.42**	**29.47**	**5.21**	**0.11**	**10.55**	**1.07**	**18.38**	**28.04**
April	2.26	0.019	16.686	1.809	18.51	3.29	0.19	6.66	0.83	**9.97**	**19.52**
May	6.01	0.050	77.887	17.499	95.44	8.75	10.32	17.70	9.17	**26.51**	**114.87**
June	3.82	0.032	43.050	8.181	51.26	5.56	3.63	11.25	3.17	**16.85**	**58.04**
Q2 Subtotal	**12.09**	**0.10**	**137.62**	**27.49**	**165.21**	**17.61**	**14.14**	**35.61**	**13.17**	**53.33**	**192.43**
July	0.20	0.00	0.00	0.00	0.00	0.29	0.00	0.59	0.00	**0.88**	**0.00**
August	1.60	0.01	19.51	3.78	23.30	2.33	1.41	4.71	1.90	**7.06**	**26.60**
September	0.22	0.00	0.05	0.00	0.06	0.32	0.00	0.65	0.00	**0.97**	**0.05**
Q3 Subtotal	**2.02**	**0.02**	**19.56**	**3.78**	**23.36**	**2.94**	**1.41**	**5.95**	**1.90**	**8.91**	**26.65**
October	4.17	0.03	54.46	65.20	119.70	6.07	4.26	12.28	5.39	**18.39**	**129.32**
November	3.92	0.03	40.82	49.63	90.48	5.71	7.07	11.55	4.74	**17.29**	**102.26**
December	1.49	0.01	10.14	10.76	20.91	2.17	0.00	4.39	0.25	**6.57**	**21.15**
Q4 Subtotal	**9.58**	**0.08**	**105.43**	**125.58**	**231.09**	**13.95**	**11.33**	**28.22**	**10.39**	**42.25**	**252.73**
ANNUAL TOTALS	**27.27**	**2.82**	**287.05**	**159.27**	**449.14**	**39.72**	**27.00**	**80.33**	**26.54**	**122.87**	**499.85**

Water Volume Movements		January	February	March	April	May	June	July	August	September	October
Pumped from Pit		210.2	132.3	194.6	137.5	151.0	181.4	110.8	108.6	98.5	106.8
Groundwater Component of Pitwater		130.3	107.9	174.5	117.2	55.6	129.7	111.0	85.4	98.3	-12.8
Quarry dust suppression		5.9	4.6	6.0	5.7	5.0	9.0	6.1	3.7	3.9	2.3
Q- freshwater pond		178.6	115.0	143.5	90.8	102.7	84.7	104.7	104.9	94.6	104.5
	To Secondary FM7	505.8	310.0	494.1	580.0	440.7	491.3	484.6	495.0	406.6	656.7
	To sand Plant FM8	159.9	95.4	159.0	174.9	149.5	161.1	143.9	152.8	122.1	112.6
	to loadout FM6	394.7	227.1	397.4	421.7	371.0	424.1	365.5	380.2	319.2	329.9
	to dust control FM9	0.000	0.000	0.000	0.000	0.000	0.005	-0.005	0.000	0.000	0.000
to Plant FM7+FM8+FM6		1060.3	632.5	1050.5	1176.6	961.2	1076.6	994.0	1028.1	847.9	1099.3
	to stream Augmentation	25.79	12.58	45.08	40.89	43.34	87.66	0.00	0.00	0.00	0.00
bypass discharge		2.059187	0.5284378	1.5891711	0.3213309	0.674253	0.4962575	0	0.8987574	0.9915698	0.3788511
To Troy FM3		1066.8	636.3	1075.6	1236.7	1010.2	1115.7	1031.1	1082.1	864.7	784.6
To Booster FM2		1071.7	641.2	1074.4	1233.1	1034.5	1133.2	1069.5	1102.7	906.8	842.0
From Troy to Freshwater Pond FM4		867.3	531.2	858.1	1072.9	842.7	913.3	914.2	971.6	784.7	-66220.8

Water Volume Movements		November	December
Pumped from Pit		132.9	221.3
Groundwater Component of Pitwater		42.4	201.1
Quarry dust suppression		0.5	8.7
Q- freshwater pond		132.4	212.5
	To Secondary FM7	63.8	280.2
	To sand Plant FM8	117.5	86.2
	to loadout FM6	276.2	201.9
	to dust control FM9	0.000	0.000
to Plant FM7+FM8+FM6		457.6	568.4
	to stream Augmentation	0.00	0.00
bypass discharge		0.7577021	1.1365532
To Troy FM3		784.9	564.5
To Booster FM2		814.6	575.5
From Troy to Freshwater Pond FM4		67545.0	460.9



Site	Martin Marietta - MC Limestone
JID(s)	j-GEO-41292
Date	Nov 4th 2022 8:51:16 am

Mill Creek Weather Station - Daily Total Rain

Total Rain	4.17

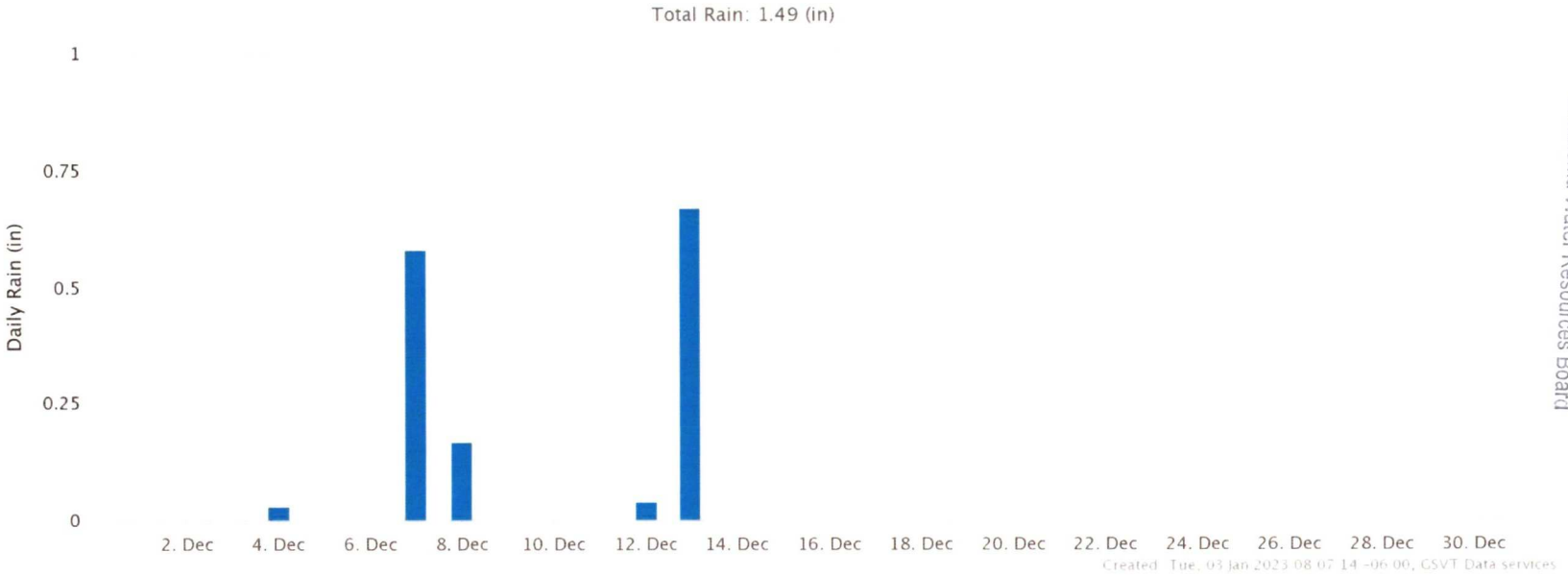
j-GEO-41292

Date	Daily Total	Daily Evaporation (in)
10/1/2022	0	0.1644
10/2/2022	0	0.1918
10/3/2022	0	0.1917
10/4/2022	0	0.2063
10/5/2022	0	0.1936
10/6/2022	0	0.1914
10/7/2022	0	0.1984
10/8/2022	0.01	0.1176
10/9/2022	0	0.1155
10/10/2022	0	0.1758
10/11/2022	0.01	0.1574
10/12/2022	0	0.1944
10/13/2022	0	0.2093
10/14/2022	0	0.2066
10/15/2022	0	0.1639
10/16/2022	1.05	0.1046
10/17/2022	0	0.2022
10/18/2022	0	0.223
10/19/2022	0	0.1817
10/20/2022	0	0.1546
10/21/2022	0	0.1983
10/22/2022	0	0.2377
10/23/2022	0	0.1543
10/24/2022	1.54	0.2124
10/25/2022	0.52	0.1418
10/26/2022	0	0.2189
10/27/2022	0	0.2325
10/28/2022	0.91	0.2112
10/29/2022	0.13	0.1128
10/30/2022	0	0.0569
10/31/2022	0	0.1886

Date	Reference ET, Short (in.)	Reference ET, Tall (in.)	Cool Season Grass ET (in.)	Warm Season Grass ET (in.)	Pan Evapotranspiration (in.)
11/1/2022	0.1	0.14	0.09	0.06	0.12
11/2/2022	0.07	0.1	0.06	0.04	0.09
11/3/2022	0.07	0.1	0.06	0.04	0.09
11/4/2022	0.03	0.03	0.02	0.02	0.03
11/5/2022	0.08	0.11	0.07	0.05	0.1
11/6/2022	0.12	0.18	0.12	0.08	0.16
11/7/2022	0.05	0.08	0.05	0.03	0.07
11/8/2022	0.03	0.04	0.03	0.02	0.04
11/9/2022	0.11	0.16	0.1	0.07	0.14
11/10/2022	0.03	0.03	0.02	0.02	0.03
11/11/2022	0.08	0.13	0.08	0.05	0.12
11/12/2022	0.08	0.13	0.08	0.05	0.11
11/13/2022	0.06	0.09	0.06	0.04	0.08
11/14/2022	0.03	0.04	0.03	0.02	0.04
11/15/2022	0.06	0.08	0.05	0.04	0.07
11/16/2022	0.07	0.1	0.06	0.04	0.09
11/17/2022	0.06	0.08	0.05	0.03	0.07
11/18/2022	0.1	0.15	0.09	0.06	0.14
11/19/2022	0.07	0.1	0.06	0.04	0.09
11/20/2022	0.06	0.08	0.05	0.03	0.07
11/21/2022	0.05	0.07	0.05	0.03	0.06
11/22/2022	0.05	0.07	0.05	0.03	0.06
11/23/2022	0.01	0.01	0.01	0.01	0.01
11/24/2022	0.02	0.02	0.02	0.01	0.02
11/25/2022	0.06	0.09	0.06	0.04	0.08
11/26/2022	0.02	0.03	0.02	0.02	0.03
11/27/2022	0.05	0.07	0.05	0.03	0.07
11/28/2022	0.07	0.1	0.06	0.04	0.08
11/29/2022	0.14	0.22	0.13	0.09	0.21
11/30/2022	0.07	0.1	0.06	0.04	0.09
12/1/2022	0.07	0.11	0.07	0.04	0.1
12/2/2022	0.04	0.06	0.04	0.03	0.06
12/3/2022	0.13	0.21	0.12	0.08	0.19
12/4/2022	0.05	0.07	0.04	0.03	0.06
12/5/2022	0.08	0.12	0.07	0.05	0.1
12/6/2022	0.03	0.03	0.03	0.02	0.03
12/7/2022	0.03	0.04	0.03	0.02	0.04
12/8/2022	0.02	0.03	0.02	0.02	0.03
12/9/2022	0.08	0.11	0.07	0.05	0.1
12/10/2022	0.03	0.04	0.03	0.02	0.04
12/11/2022	0.03	0.03	0.03	0.02	0.03
12/12/2022	0.02	0.02	0.02	0.01	0.03
12/13/2022	0.07	0.1	0.06	0.04	0.09

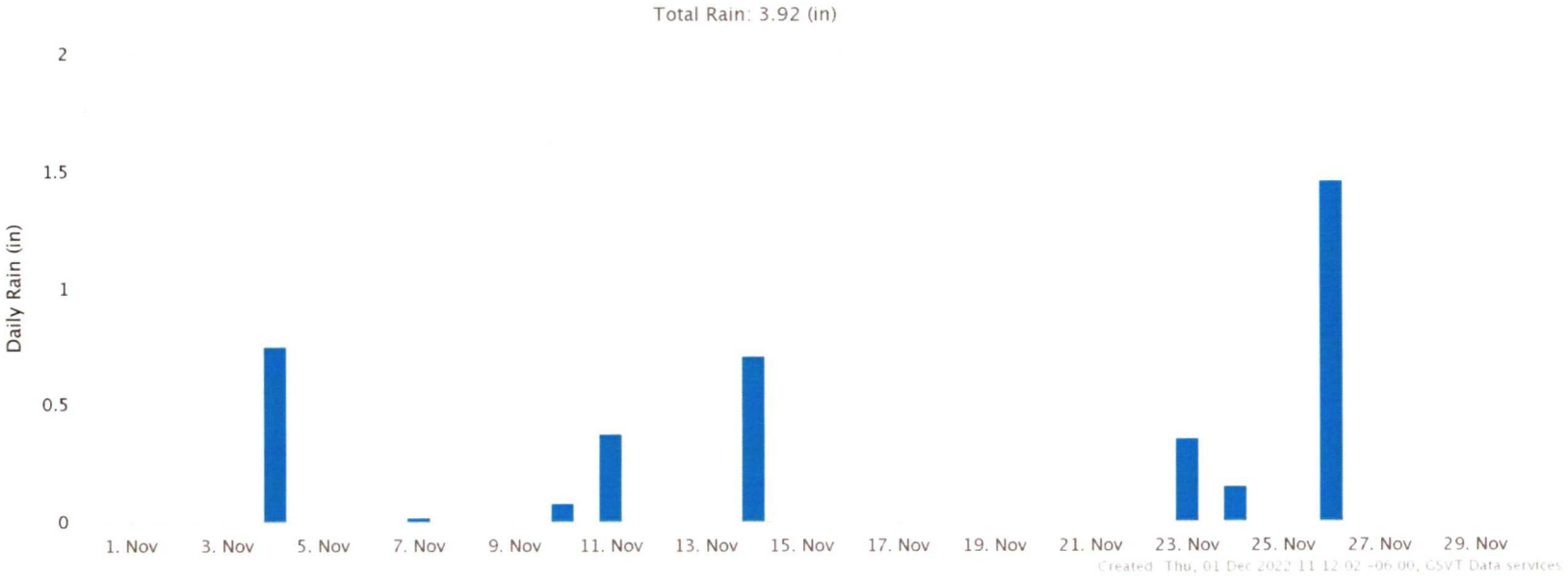
12/14/2022	0.07	0.1	0.06	0.04	0.09
12/15/2022	0.07	0.1	0.06	0.04	0.09
12/16/2022	0.06	0.1	0.06	0.04	0.09
12/17/2022	0.06	0.09	0.06	0.04	0.08
12/18/2022	0.06	0.09	0.06	0.04	0.08
12/19/2022	0.06	0.1	0.06	0.04	0.09
12/20/2022	0.05	0.07	0.04	0.03	0.06
12/21/2022	0.04	0.07	0.04	0.03	0.05
12/22/2022	0.06	0.09	0.05	0.04	0.08
12/23/2022	0.03	0.05	0.03	0.02	0.05
12/24/2022	0.03	0.05	0.03	0.02	0.04
12/25/2022	0.05	0.08	0.05	0.03	0.07
12/26/2022	0.09	0.14	0.08	0.05	0.12
12/27/2022	0.06	0.1	0.06	0.04	0.08
12/28/2022	0.12	0.19	0.11	0.07	0.17
12/29/2022	0.07	0.11	0.07	0.05	0.09
12/30/2022	0.07	0.1	0.06	0.04	0.08
12/31/2022	0.08	0.12	0.07	0.05	0.1

Martin Marietta Mill Creek Limestone Weather Station – Daily Total Rain



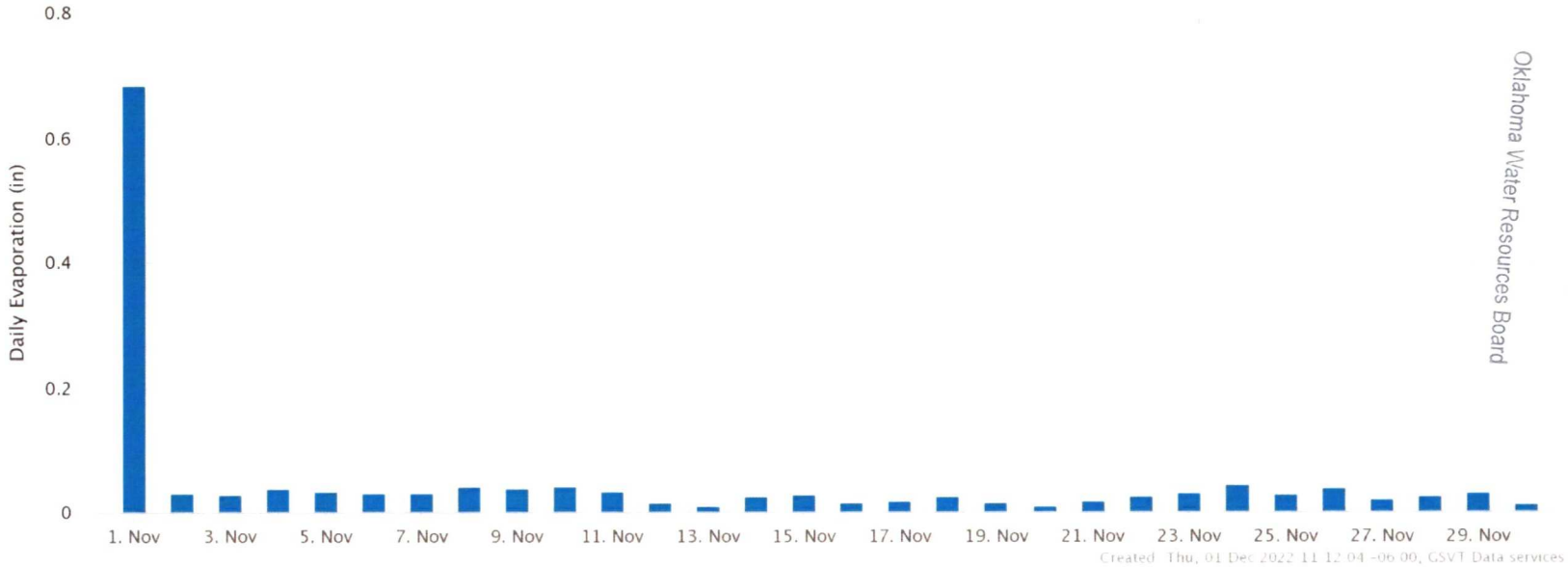
Date	Daily Rain (in)
12/1/2022	0
12/2/2022	0
12/3/2022	0
12/4/2022	0.03
12/5/2022	0
12/6/2022	0
12/7/2022	0.58
12/8/2022	0.17
12/9/2022	0
12/10/2022	0
12/11/2022	0
12/12/2022	0.04
12/13/2022	0.67
12/14/2022	0
12/15/2022	0
12/16/2022	0
12/17/2022	0
12/18/2022	0
12/19/2022	0
12/20/2022	0
12/21/2022	0
12/22/2022	0
12/23/2022	0
12/24/2022	0
12/25/2022	0
12/26/2022	0
12/27/2022	0
12/28/2022	0
12/29/2022	0
12/30/2022	0
12/31/2022	0

Martin Marietta Mill Creek Limestone Weather Station – Daily Total Rain



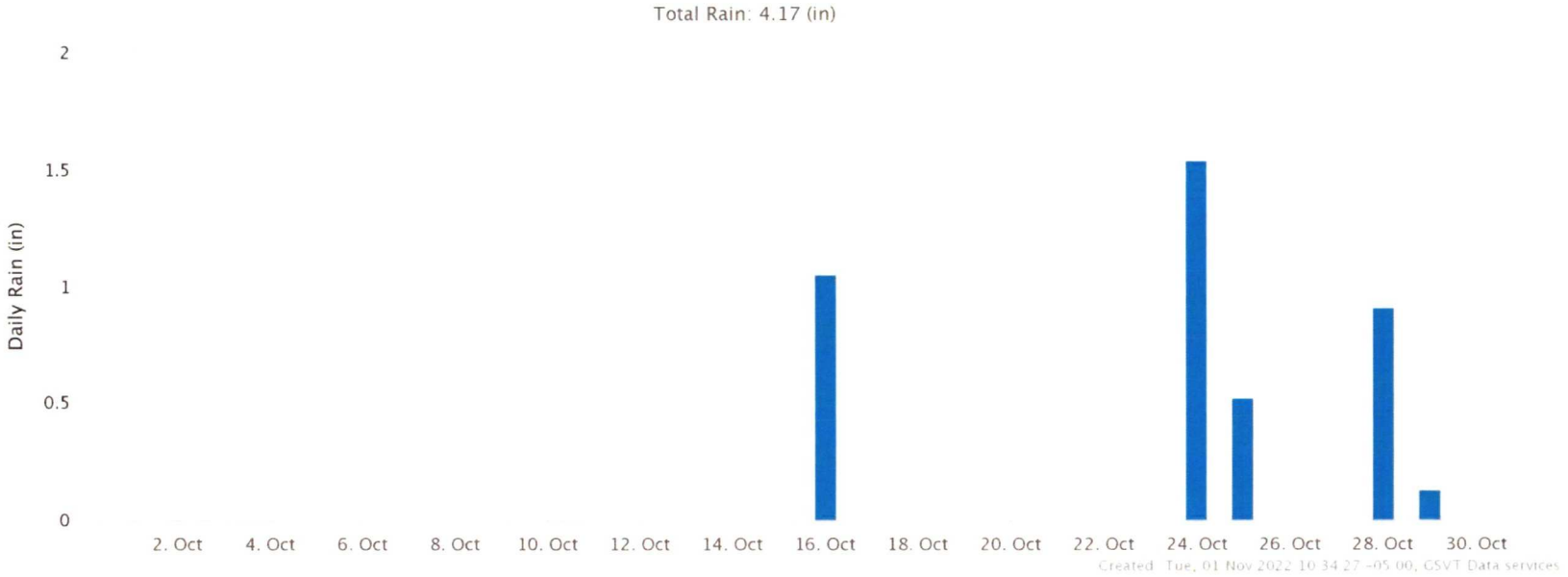
Date	Daily Rain (in)
11/1/2022	0
11/2/2022	0
11/3/2022	0
11/4/2022	0.75
11/5/2022	0
11/6/2022	0
11/7/2022	0.02
11/8/2022	0.01
11/9/2022	0
11/10/2022	0.08
11/11/2022	0.38
11/12/2022	0
11/13/2022	0
11/14/2022	0.71
11/15/2022	0
11/16/2022	0
11/17/2022	0
11/18/2022	0
11/19/2022	0
11/20/2022	0
11/21/2022	0
11/22/2022	0
11/23/2022	0.36
11/24/2022	0.15
11/25/2022	0
11/26/2022	1.46
11/27/2022	0
11/28/2022	0
11/29/2022	0
11/30/2022	0

Martin Marietta Mill Creek Limestone Weather Station – Daily Evaporation



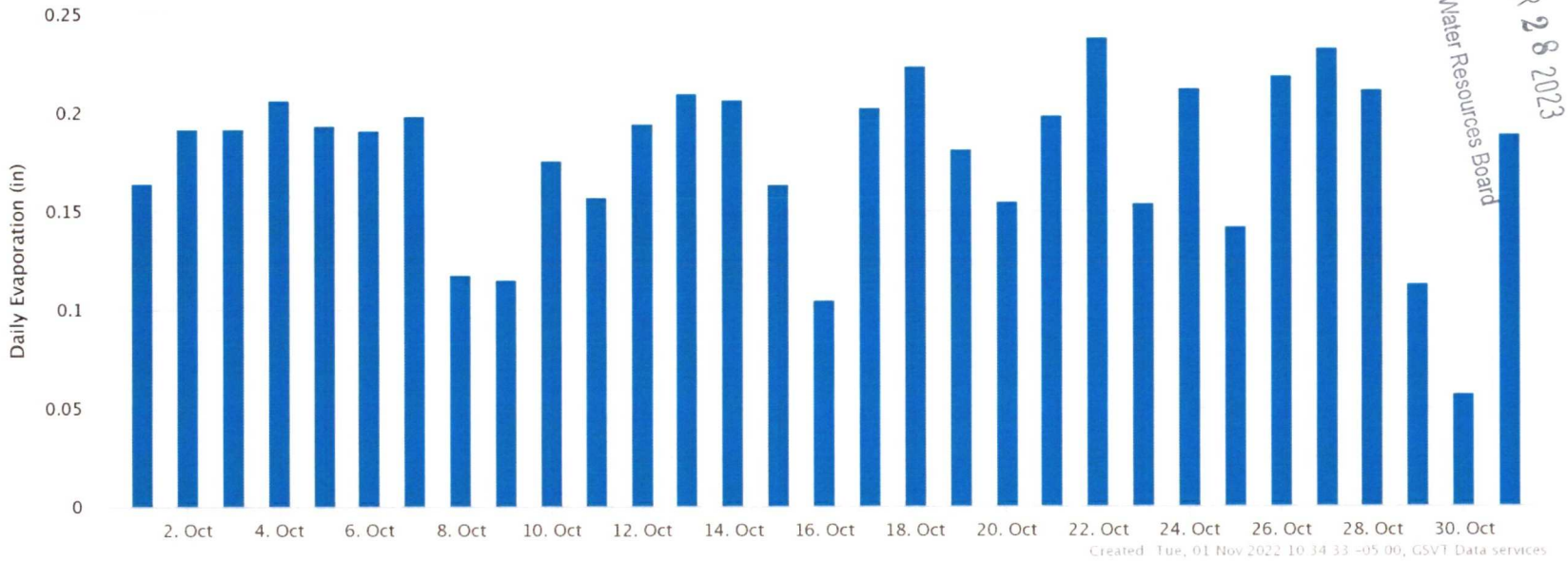
Date	Daily Evaporation (in)
11/1/2022	0.684
11/2/2022	0.0312
11/3/2022	0.0278
11/4/2022	0.0381
11/5/2022	0.0347
11/6/2022	0.0299
11/7/2022	0.0302
11/8/2022	0.0402
11/9/2022	0.0378
11/10/2022	0.0403
11/11/2022	0.0334
11/12/2022	0.0163
11/13/2022	0.0094
11/14/2022	0.0269
11/15/2022	0.0278
11/16/2022	0.0155
11/17/2022	0.0182
11/18/2022	0.0248
11/19/2022	0.0144
11/20/2022	0.0091
11/21/2022	0.019
11/22/2022	0.0262
11/23/2022	0.0302
11/24/2022	0.0426
11/25/2022	0.0291
11/26/2022	0.0394
11/27/2022	0.021
11/28/2022	0.0254
11/29/2022	0.0302
11/30/2022	0.0126

Martin Marietta Mill Creek Limestone Weather Station – Daily Total Rain



Date	Daily Rain (in)
10/1/2022	0
10/2/2022	0
10/3/2022	0
10/4/2022	0
10/5/2022	0
10/6/2022	0
10/7/2022	0
10/8/2022	0.01
10/9/2022	0
10/10/2022	0
10/11/2022	0.01
10/12/2022	0
10/13/2022	0
10/14/2022	0
10/15/2022	0
10/16/2022	1.05
10/17/2022	0
10/18/2022	0
10/19/2022	0
10/20/2022	0
10/21/2022	0
10/22/2022	0
10/23/2022	0
10/24/2022	1.54
10/25/2022	0.52
10/26/2022	0
10/27/2022	0
10/28/2022	0.91
10/29/2022	0.13
10/30/2022	0
10/31/2022	0

Martin Marietta Mill Creek Limestone Weather Station – Daily Evaporation



Date	Daily Evaporation (in)
10/1/2022	0.1644
10/2/2022	0.1918
10/3/2022	0.1917
10/4/2022	0.2063
10/5/2022	0.1936
10/6/2022	0.1914
10/7/2022	0.1984
10/8/2022	0.1176
10/9/2022	0.1155
10/10/2022	0.1758
10/11/2022	0.1574
10/12/2022	0.1944
10/13/2022	0.2093
10/14/2022	0.2066
10/15/2022	0.1639
10/16/2022	0.1046
10/17/2022	0.2022
10/18/2022	0.223
10/19/2022	0.1817
10/20/2022	0.1546
10/21/2022	0.1983
10/22/2022	0.2377
10/23/2022	0.1543
10/24/2022	0.2124
10/25/2022	0.1418
10/26/2022	0.2189
10/27/2022	0.2325
10/28/2022	0.2112
10/29/2022	0.1128
10/30/2022	0.0569
10/31/2022	0.1886

Quarter Summary	4th Qtr
Total Tons Shipped	1,140,000
Total Acre Feet	24.16
Average Moisture %	2.88%

```
# ---------------------------------- WARNING ----------------------------------------
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# condition that neither the USGS nor the United States Government may be held liable
# for any damages resulting from its use.
#
# Additional info: https://help.waterdata.usgs.gov/policies/provisional-data-statement
#
# File-format description:  https://help.waterdata.usgs.gov/faq/about-tab-delimited-output
# Automated-retrieval info: https://help.waterdata.usgs.gov/faq/automated-retrievals
#
# Contact:   gs-w_waterdata_support@usgs.gov
# retrieved: 2022-12-16 16:31:05 EST       (sdww02)
#
# Data for the following 1 site(s) are contained in this file
#    USGS 07331200 Mill Creek near Mill Creek, OK
# -------------------------------------------------------------------------------
#
# Data provided for site 07331200
#            TS   parameter     statistic     Description
#        111780       00060     00003     Discharge, cubic feet per second (Mean)
#
# Data-value qualification codes included in this output:
#     A  Approved for publication -- Processing and review completed.
#     P  Provisional data subject to revision.
#
agency_cd       site_no datetime        111780_00060_00003      111780_00060_00003_cd
5s      15s     20d     14n     10s
USGS    07331200        2022-10-01      0.01    A
USGS    07331200        2022-10-02      0.21    A
USGS    07331200        2022-10-03      0.43    A
USGS    07331200        2022-10-04      0.19    A
USGS    07331200        2022-10-05      0.10    A
USGS    07331200        2022-10-06      0.15    P
USGS    07331200        2022-10-07      0.25    P
USGS    07331200        2022-10-08      0.28    P
USGS    07331200        2022-10-09      0.52    P
USGS    07331200        2022-10-10      0.49    P
USGS    07331200        2022-10-11      0.27    P
USGS    07331200        2022-10-12      0.11    P
USGS    07331200        2022-10-13      0.02    P
USGS    07331200        2022-10-14      0.00    P
USGS    07331200        2022-10-15      0.18    P
USGS    07331200        2022-10-16      2.19    P
USGS    07331200        2022-10-17      1.28    P
USGS    07331200        2022-10-18      0.71    P
USGS    07331200        2022-10-19      0.68    P
USGS    07331200        2022-10-20      0.95    P
USGS    07331200        2022-10-21      0.65    P
USGS    07331200        2022-10-22      0.44    P
USGS    07331200        2022-10-23      0.43    P
USGS    07331200        2022-10-24      2.31    P
USGS    07331200        2022-10-25      3.62    P
USGS    07331200        2022-10-26      1.51    P
USGS    07331200        2022-10-27      0.99    P
USGS    07331200        2022-10-28      1.18    P
USGS    07331200        2022-10-29      1.99    P
USGS    07331200        2022-10-30      1.54    P
USGS    07331200        2022-10-31      1.17    P
```

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# ---------------------------------- WARNING ----------------------------------------
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#
# Additional info: https://help.waterdata.usgs.gov/policies/provisional-data-statement
#
# File-format description:  https://help.waterdata.usgs.gov/faq/about-tab-delimited-output
# Automated-retrieval info: https://help.waterdata.usgs.gov/faq/automated-retrievals
#
# Contact:   gs-w_waterdata_support@usgs.gov
# retrieved: 2022-12-16 16:30:09 EST       (caww02)
#
# Data for the following 1 site(s) are contained in this file
#    USGS 07331200 Mill Creek near Mill Creek, OK
# -----------------------------------------------------------------------------------
#
# Data provided for site 07331200
#            TS   parameter     statistic     Description
#        111780       00060     00003     Discharge, cubic feet per second (Mean)
#
# Data-value qualification codes included in this output:
#     P  Provisional data subject to revision.
#
agency_cd       site_no datetime        111780_00060_00003      111780_00060_00003_cd
5s      15s     20d     14n     10s
USGS    07331200        2022-11-01      0.47    P
USGS    07331200        2022-11-02      0.24    P
USGS    07331200        2022-11-03      0.23    P
USGS    07331200        2022-11-04      1.31    P
USGS    07331200        2022-11-05      1.36    P
USGS    07331200        2022-11-06      0.98    P
USGS    07331200        2022-11-07      1.25    P
USGS    07331200        2022-11-08      1.21    P
USGS    07331200        2022-11-09      1.10    P
USGS    07331200        2022-11-10      0.70    P
USGS    07331200        2022-11-11      2.74    P
USGS    07331200        2022-11-12      1.83    P
USGS    07331200        2022-11-13      1.42    P
USGS    07331200        2022-11-14      2.67    P
USGS    07331200        2022-11-15      2.62    P
USGS    07331200        2022-11-16      1.87    P
USGS    07331200        2022-11-17      1.82    P
USGS    07331200        2022-11-18      1.43    P
USGS    07331200        2022-11-19      1.79    P
USGS    07331200        2022-11-20      1.75    P
USGS    07331200        2022-11-21      1.61    P
USGS    07331200        2022-11-22      1.13    P
USGS    07331200        2022-11-23      1.87    P
USGS    07331200        2022-11-24      4.28    P
USGS    07331200        2022-11-25      2.87    P
USGS    07331200        2022-11-26      17.4    P
USGS    07331200        2022-11-27      6.05    P
USGS    07331200        2022-11-28      4.12    P
USGS    07331200        2022-11-29      3.21    P
USGS    07331200        2022-11-30      2.72    P
```

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# ---------------------------------- WARNING ----------------------------------------
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#
# Additional info: https://help.waterdata.usgs.gov/policies/provisional-data-statement
#
# File-format description:  https://help.waterdata.usgs.gov/faq/about-tab-delimited-output
# Automated-retrieval info: https://help.waterdata.usgs.gov/faq/automated-retrievals
#
# Contact:   gs-w_waterdata_support@usgs.gov
# retrieved: 2023-02-17 18:25:35 EST       (caww01)
#
# Data for the following 1 site(s) are contained in this file
#    USGS 07331200 Mill Creek near Mill Creek, OK
# ---------------------------------------------------------------------------------
#
# Data provided for site 07331200
#            TS   parameter     statistic     Description
#        111780       00060     00003     Discharge, cubic feet per second (Mean)
#
# Data-value qualification codes included in this output:
#     A  Approved for publication -- Processing and review completed.
#     P  Provisional data subject to revision.
#     e  Value has been estimated.
#
agency_cd       site_no datetime        111780_00060_00003      111780_00060_00003_cd
5s      15s     20d     14n     10s
USGS    07331200        2021-12-01      0.88    A
USGS    07331200        2021-12-02      0.91    A
USGS    07331200        2021-12-03      1.06    A
USGS    07331200        2021-12-04      4.01    A
USGS    07331200        2021-12-05      3.50    A
USGS    07331200        2021-12-06      2.51    A
USGS    07331200        2021-12-07      1.99    A
USGS    07331200        2021-12-08      1.49    A
USGS    07331200        2021-12-09      1.24    A:e
USGS    07331200        2021-12-10      0.91    A:e
USGS    07331200        2021-12-11      0.78    A
USGS    07331200        2021-12-12      0.74    A
USGS    07331200        2021-12-13      0.81    A
USGS    07331200        2021-12-14      0.82    A:e
USGS    07331200        2021-12-15      0.93    A:e
USGS    07331200        2021-12-16      0.85    A
USGS    07331200        2021-12-17      1.13    A:e
USGS    07331200        2021-12-18      3.23    A
USGS    07331200        2021-12-19      1.01    A
USGS    07331200        2021-12-20      0.98    A
USGS    07331200        2021-12-21      1.06    A
USGS    07331200        2021-12-22      1.00    A
USGS    07331200        2021-12-23      0.81    A:e
USGS    07331200        2021-12-24      0.93    A:e
USGS    07331200        2021-12-25      0.86    A:e
USGS    07331200        2021-12-26      0.84    A
USGS    07331200        2021-12-27      0.81    A
USGS    07331200        2021-12-28      1.17    A
USGS    07331200        2021-12-29      1.50    A
USGS    07331200        2021-12-30      1.87    A
USGS    07331200        2021-12-31      2.40    A
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USGS	07331200	2022-01-01	2.94	A
USGS	07331200	2022-01-02	1.73	A
USGS	07331200	2022-01-03	1.32	A
USGS	07331200	2022-01-04	1.06	A
USGS	07331200	2022-01-05	0.91	A
USGS	07331200	2022-01-06	0.71	A
USGS	07331200	2022-01-07	0.83	A
USGS	07331200	2022-01-08	0.97	A
USGS	07331200	2022-01-09	0.82	A
USGS	07331200	2022-01-10	0.61	A
USGS	07331200	2022-01-11	0.67	A:e
USGS	07331200	2022-01-12	0.57	A
USGS	07331200	2022-01-13	0.72	A
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USGS	07331200	2022-01-15	0.77	A
USGS	07331200	2022-01-16	0.70	A
USGS	07331200	2022-01-17	0.51	A
USGS	07331200	2022-01-18	0.44	A:e
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USGS	07331200	2022-01-20	0.73	A:e
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USGS	07331200	2022-02-09	0.39	A
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USGS	07331200	2022-02-11	3.22	A
USGS	07331200	2022-02-12	3.99	A
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USGS	07331200	2022-02-14	1.47	A
USGS	07331200	2022-02-15	0.92	A
USGS	07331200	2022-02-16	0.64	A:e
USGS	07331200	2022-02-17	0.72	A
USGS	07331200	2022-02-18	0.54	A
USGS	07331200	2022-02-19	0.74	A
USGS	07331200	2022-02-20	0.43	A:e
USGS	07331200	2022-02-21	0.45	A
USGS	07331200	2022-02-22	0.79	A
USGS	07331200	2022-02-23	0.71	A
USGS	07331200	2022-02-24	0.64	A
USGS	07331200	2022-02-25	1.38	A
USGS	07331200	2022-02-26	1.65	A
USGS	07331200	2022-02-27	1.96	A
USGS	07331200	2022-02-28	1.91	A
USGS	07331200	2022-03-01	1.64	A
USGS	07331200	2022-03-02	2.14	A
USGS	07331200	2022-03-03	2.36	A

USGS	07331200	2022-03-04	2.08	A
USGS	07331200	2022-03-05	1.93	A:e
USGS	07331200	2022-03-06	1.94	A
USGS	07331200	2022-03-07	3.18	A
USGS	07331200	2022-03-08	2.17	A
USGS	07331200	2022-03-09	2.44	A
USGS	07331200	2022-03-10	2.75	A
USGS	07331200	2022-03-11	2.26	A
USGS	07331200	2022-03-12	2.69	A
USGS	07331200	2022-03-13	2.24	A:e
USGS	07331200	2022-03-14	2.66	A
USGS	07331200	2022-03-15	2.99	A
USGS	07331200	2022-03-16	3.41	A
USGS	07331200	2022-03-17	2.79	A
USGS	07331200	2022-03-18	2.22	A
USGS	07331200	2022-03-19	1.82	A
USGS	07331200	2022-03-20	1.51	A
USGS	07331200	2022-03-21	1.80	A
USGS	07331200	2022-03-22	1.87	A
USGS	07331200	2022-03-23	1.24	A
USGS	07331200	2022-03-24	1.13	A
USGS	07331200	2022-03-25	1.14	A
USGS	07331200	2022-03-26	0.93	A
USGS	07331200	2022-03-27	1.28	A
USGS	07331200	2022-03-28	1.16	A
USGS	07331200	2022-03-29	0.64	A
USGS	07331200	2022-03-30	1.13	A
USGS	07331200	2022-03-31	0.74	A
USGS	07331200	2022-04-01	0.75	A
USGS	07331200	2022-04-02	1.51	A
USGS	07331200	2022-04-03	1.64	A
USGS	07331200	2022-04-04	2.16	A
USGS	07331200	2022-04-05	2.27	A
USGS	07331200	2022-04-06	1.57	A
USGS	07331200	2022-04-07	1.51	A
USGS	07331200	2022-04-08	1.37	A
USGS	07331200	2022-04-09	1.06	A:e
USGS	07331200	2022-04-10	1.03	A
USGS	07331200	2022-04-11	0.94	A
USGS	07331200	2022-04-12	1.22	A
USGS	07331200	2022-04-13	1.53	A:e
USGS	07331200	2022-04-14	1.50	A
USGS	07331200	2022-04-15	2.25	A
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USGS	07331200	2022-04-24	3.17	A
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USGS	07331200	2022-04-26	4.56	A
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USGS	07331200	2022-05-01	1.00	A
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USGS	07331200	2022-05-04	1.32	A

USGS	07331200	2022-05-05	1.47	A
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USGS	07331200	2022-05-08	5.35	A
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USGS	07331200	2022-05-10	2.79	A
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USGS	07331200	2022-05-16	2.41	A
USGS	07331200	2022-05-17	0.76	A
USGS	07331200	2022-05-18	4.39	A
USGS	07331200	2022-05-19	5.79	A
USGS	07331200	2022-05-20	3.69	A
USGS	07331200	2022-05-21	2.29	A
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USGS	07331200	2022-05-25	89.6	A
USGS	07331200	2022-05-26	25.7	A
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USGS	07331200	2022-05-30	8.16	A
USGS	07331200	2022-05-31	7.57	A
USGS	07331200	2022-06-01	7.66	A
USGS	07331200	2022-06-02	14.0	A
USGS	07331200	2022-06-03	8.28	A
USGS	07331200	2022-06-04	7.54	A
USGS	07331200	2022-06-05	6.64	A
USGS	07331200	2022-06-06	5.60	A
USGS	07331200	2022-06-07	4.97	A
USGS	07331200	2022-06-08	6.08	A
USGS	07331200	2022-06-09	13.0	A
USGS	07331200	2022-06-10	11.2	A
USGS	07331200	2022-06-11	6.98	A
USGS	07331200	2022-06-12	5.15	A
USGS	07331200	2022-06-13	3.53	A
USGS	07331200	2022-06-14	2.92	A
USGS	07331200	2022-06-15	2.53	A
USGS	07331200	2022-06-16	1.96	A
USGS	07331200	2022-06-17	4.45	A
USGS	07331200	2022-06-18	3.98	A
USGS	07331200	2022-06-19	3.22	A
USGS	07331200	2022-06-20	2.44	A
USGS	07331200	2022-06-21	1.57	A
USGS	07331200	2022-06-22	1.45	A
USGS	07331200	2022-06-23	1.31	A
USGS	07331200	2022-06-24	1.11	A
USGS	07331200	2022-06-25	1.37	A
USGS	07331200	2022-06-26	1.39	A
USGS	07331200	2022-06-27	1.50	A
USGS	07331200	2022-06-28	1.67	A
USGS	07331200	2022-06-29	1.35	A
USGS	07331200	2022-06-30	1.40	A
USGS	07331200	2022-07-01	0.99	A
USGS	07331200	2022-07-02	1.08	A
USGS	07331200	2022-07-03	1.18	A
USGS	07331200	2022-07-04	1.12	A
USGS	07331200	2022-07-05	0.95	A

USGS	07331200	2022-07-06	0.69	A
USGS	07331200	2022-07-07	0.56	A
USGS	07331200	2022-07-08	0.47	A
USGS	07331200	2022-07-09	0.67	A
USGS	07331200	2022-07-10	1.05	A
USGS	07331200	2022-07-11	1.01	A
USGS	07331200	2022-07-12	0.67	A
USGS	07331200	2022-07-13	0.37	A
USGS	07331200	2022-07-14	0.65	A
USGS	07331200	2022-07-15	0.90	A
USGS	07331200	2022-07-16	0.74	A
USGS	07331200	2022-07-17	0.90	A
USGS	07331200	2022-07-18	0.82	A
USGS	07331200	2022-07-19	0.62	A
USGS	07331200	2022-07-20	0.51	A
USGS	07331200	2022-07-21	0.87	A
USGS	07331200	2022-07-22	1.28	A
USGS	07331200	2022-07-23	0.87	A
USGS	07331200	2022-07-24	0.89	A
USGS	07331200	2022-07-25	0.76	A
USGS	07331200	2022-07-26	0.50	A
USGS	07331200	2022-07-27	0.17	A
USGS	07331200	2022-07-28	0.14	A
USGS	07331200	2022-07-29	0.14	A
USGS	07331200	2022-07-30	0.75	A
USGS	07331200	2022-07-31	1.05	A
USGS	07331200	2022-08-01	0.88	A
USGS	07331200	2022-08-02	0.91	A
USGS	07331200	2022-08-03	0.52	A
USGS	07331200	2022-08-04	0.22	A
USGS	07331200	2022-08-05	0.24	A
USGS	07331200	2022-08-06	0.38	A
USGS	07331200	2022-08-07	0.44	A
USGS	07331200	2022-08-08	0.51	A
USGS	07331200	2022-08-09	0.41	A
USGS	07331200	2022-08-10	0.27	A
USGS	07331200	2022-08-11	0.25	A
USGS	07331200	2022-08-12	0.12	A
USGS	07331200	2022-08-13	0.45	A
USGS	07331200	2022-08-14	0.50	A
USGS	07331200	2022-08-15	0.39	A
USGS	07331200	2022-08-16	0.14	A
USGS	07331200	2022-08-17	0.05	A
USGS	07331200	2022-08-18	0.08	A
USGS	07331200	2022-08-19	0.10	A
USGS	07331200	2022-08-20	0.11	A
USGS	07331200	2022-08-21	1.12	A
USGS	07331200	2022-08-22	1.07	A
USGS	07331200	2022-08-23	0.69	A
USGS	07331200	2022-08-24	0.47	A
USGS	07331200	2022-08-25	0.45	A
USGS	07331200	2022-08-26	0.43	A
USGS	07331200	2022-08-27	0.35	A
USGS	07331200	2022-08-28	0.40	A
USGS	07331200	2022-08-29	0.44	A
USGS	07331200	2022-08-30	0.25	A
USGS	07331200	2022-08-31	0.26	A
USGS	07331200	2022-09-01	0.59	A
USGS	07331200	2022-09-02	0.87	A
USGS	07331200	2022-09-03	0.62	A
USGS	07331200	2022-09-04	0.42	A
USGS	07331200	2022-09-05	0.37	A

USGS	07331200	2022-09-06	0.30	A
USGS	07331200	2022-09-07	0.18	A
USGS	07331200	2022-09-08	0.10	A
USGS	07331200	2022-09-09	0.03	A
USGS	07331200	2022-09-10	0.01	A
USGS	07331200	2022-09-11	0.13	A
USGS	07331200	2022-09-12	0.43	A
USGS	07331200	2022-09-13	0.27	A
USGS	07331200	2022-09-14	0.38	A
USGS	07331200	2022-09-15	0.19	A
USGS	07331200	2022-09-16	0.15	A
USGS	07331200	2022-09-17	0.05	A
USGS	07331200	2022-09-18	0.14	A
USGS	07331200	2022-09-19	0.07	A
USGS	07331200	2022-09-20	0.06	A
USGS	07331200	2022-09-21	0.00	A
USGS	07331200	2022-09-22	0.00	A
USGS	07331200	2022-09-23	0.00	A
USGS	07331200	2022-09-24	0.28	A
USGS	07331200	2022-09-25	0.44	A
USGS	07331200	2022-09-26	0.14	A
USGS	07331200	2022-09-27	0.15	A
USGS	07331200	2022-09-28	0.09	A
USGS	07331200	2022-09-29	0.34	A
USGS	07331200	2022-09-30	0.20	A
USGS	07331200	2022-10-01	0.01	A
USGS	07331200	2022-10-02	0.21	A
USGS	07331200	2022-10-03	0.43	A
USGS	07331200	2022-10-04	0.19	A
USGS	07331200	2022-10-05	0.10	A
USGS	07331200	2022-10-06	0.15	A
USGS	07331200	2022-10-07	0.24	A
USGS	07331200	2022-10-08	0.26	A
USGS	07331200	2022-10-09	0.49	A
USGS	07331200	2022-10-10	0.44	A
USGS	07331200	2022-10-11	0.23	A
USGS	07331200	2022-10-12	0.08	A
USGS	07331200	2022-10-13	0.01	A
USGS	07331200	2022-10-14	0.00	A
USGS	07331200	2022-10-15	0.14	A
USGS	07331200	2022-10-16	2.00	A
USGS	07331200	2022-10-17	1.12	A
USGS	07331200	2022-10-18	0.57	A
USGS	07331200	2022-10-19	0.53	A
USGS	07331200	2022-10-20	0.76	A
USGS	07331200	2022-10-21	0.49	A
USGS	07331200	2022-10-22	0.29	A
USGS	07331200	2022-10-23	0.28	A
USGS	07331200	2022-10-24	2.00	A
USGS	07331200	2022-10-25	3.18	A
USGS	07331200	2022-10-26	1.18	A
USGS	07331200	2022-10-27	0.71	A
USGS	07331200	2022-10-28	0.88	A
USGS	07331200	2022-10-29	1.57	A
USGS	07331200	2022-10-30	1.15	A
USGS	07331200	2022-10-31	0.82	A
USGS	07331200	2022-11-01	0.25	A
USGS	07331200	2022-11-02	0.09	A
USGS	07331200	2022-11-03	0.08	A
USGS	07331200	2022-11-04	0.94	A
USGS	07331200	2022-11-05	0.92	A
USGS	07331200	2022-11-06	0.59	A

USGS	07331200	2022-11-07	0.79	A
USGS	07331200	2022-11-08	0.75	A
USGS	07331200	2022-11-09	0.67	A
USGS	07331200	2022-11-10	0.34	A
USGS	07331200	2022-11-11	2.01	A
USGS	07331200	2022-11-12	1.21	A
USGS	07331200	2022-11-13	0.86	A
USGS	07331200	2022-11-14	1.90	A
USGS	07331200	2022-11-15	1.83	A
USGS	07331200	2022-11-16	1.17	A
USGS	07331200	2022-11-17	1.13	A
USGS	07331200	2022-11-18	0.80	A
USGS	07331200	2022-11-19	1.06	A
USGS	07331200	2022-11-20	1.01	A
USGS	07331200	2022-11-21	0.90	A
USGS	07331200	2022-11-22	0.53	A
USGS	07331200	2022-11-23	1.08	A
USGS	07331200	2022-11-24	3.07	A
USGS	07331200	2022-11-25	1.85	A
USGS	07331200	2022-11-26	15.4	A
USGS	07331200	2022-11-27	4.56	A
USGS	07331200	2022-11-28	2.84	A
USGS	07331200	2022-11-29	2.06	A
USGS	07331200	2022-11-30	1.64	A
USGS	07331200	2022-12-01	2.28	A
USGS	07331200	2022-12-02	2.21	A
USGS	07331200	2022-12-03	1.52	A
USGS	07331200	2022-12-04	1.47	A
USGS	07331200	2022-12-05	1.45	A
USGS	07331200	2022-12-06	1.34	A
USGS	07331200	2022-12-07	1.22	A
USGS	07331200	2022-12-08	2.90	A
USGS	07331200	2022-12-09	2.53	A
USGS	07331200	2022-12-10	2.17	A
USGS	07331200	2022-12-11	2.22	A
USGS	07331200	2022-12-12	2.21	A
USGS	07331200	2022-12-13	11.6	A
USGS	07331200	2022-12-14	3.49	A
USGS	07331200	2022-12-15	2.79	P
USGS	07331200	2022-12-16	2.50	P
USGS	07331200	2022-12-17	2.05	P
USGS	07331200	2022-12-18	2.11	P
USGS	07331200	2022-12-19	2.26	P
USGS	07331200	2022-12-20	1.73	P
USGS	07331200	2022-12-21	1.89	P
USGS	07331200	2022-12-22	1.92	P
USGS	07331200	2022-12-23	1.09	P
USGS	07331200	2022-12-24	1.19	P
USGS	07331200	2022-12-25	1.47	P
USGS	07331200	2022-12-26	1.50	P
USGS	07331200	2022-12-27	1.93	P
USGS	07331200	2022-12-28	2.11	P
USGS	07331200	2022-12-29	1.47	P
USGS	07331200	2022-12-30	1.73	P
USGS	07331200	2022-12-31	1.30	P

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

October 2022
Nearest City: 6.0 N Tishomingo
Longitude: 96-40-44

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

DAY	TEMPERATURE (F) MAX	MIN	AVG	DEWPT	DEG DAYS HDD	CDD	HUMIDITY (%) MAX	MIN	AVG	RAIN (in)	PRESSURE (in) STN	MSL	WIND DIR	SPEED AVG	(mph) MAX	SOLAR (MJ/m2)	4" SOIL TEMPERATURES SOD	BARE	MAX	MIN
1	83	43	62.7	39.1	2	0	87	17	49	0.00	29.13	30.08	NNW	3.7	13.9	20.60	75.6	75.5	87	66
2	86	44	64.3	39.6	0	0	79	17	46	0.00	29.22	30.17	N	3.7	14.3	20.02	75.4	75.5	87	66
3	85	47	65.4	41.5	0	1	79	20	47	0.00	29.23	30.17	NNW	4.1	16.2	19.80	75.5	75.7	87	66
4	85	50	66.4	44.4	0	2	76	23	49	0.00	29.16	30.11	S	4.3	15.4	19.47	75.6	75.8	87	67
5	88	48	67.1	44.8	0	3	86	21	50	0.00	29.16	30.10	S	3.5	13.5	18.62	75.6	76.1	87	67
6	89	57	74.0	46.5	0	8	62	23	40	0.00	29.21	30.15	N	5.6	24.8	15.84	76.7	77.9	87	71
7	83	58	70.6	47.7	0	5	65	28	46	0.00	29.31	30.26	N	7.5	24.9	10.78	76.5	76.7	84	72
8	65	52	58.4	42.4	7	0	85	42	56	0.02	29.41	30.36	NNE	6.9	21.2	5.18	73.3	70.3	75	67
9	77	52	62.6	51.0	1	0	87	45	67	0.00	29.32	30.26	NW	3.2	12.1	9.89	72.3	70.7	79	66
10	84	55	68.8	56.7	0	4	90	40	68	0.01	29.20	30.14	E	4.6	20.5	11.82	73.7	73.3	82	67
11	80	62	69.4	57.4	0	6	80	45	67	0.01	29.08	30.02	SSE	7.6	27.1	7.50	73.6	72.5	77	69
12	88	64	74.0	52.0	0	11	82	23	50	0.00	28.97	29.91	N	9.5	22.2	17.70	75.0	75.9	86	69
13	78	47	63.0	30.7	2	0	59	14	33	0.00	29.11	30.06	NNE	7.6	21.1	18.40	73.3	72.7	82	66
14	87	46	67.3	34.9	0	1	64	15	34	0.00	28.99	29.93	WSW	7.4	25.9	18.35	71.8	71.4	82	62
15	92	55	74.5	55.8	0	8	80	31	54	0.00	28.98	29.92	S	7.2	23.8	15.92	74.0	75.0	85	66
16	73	62	64.9	57.7	0	2	97	50	78	1.02	29.13	30.07	N	8.7	33.9	6.81	72.2	69.8	76	64
17	63	45	56.4	32.7	11	0	66	24	42	0.00	29.24	30.19	NNE	11.3	26.2	18.20	68.0	61.4	67	55
18	59	34	46.8	20.7	19	0	74	17	39	0.00	29.34	30.29	N	9.2	25.8	17.97	62.7	56.3	66	49
19	64	30	46.0	26.0	18	0	88	20	52	0.00	29.30	30.25	SSE	4.0	14.4	17.90	60.0	56.2	69	46
20	75	39	54.1	39.2	8	0	91	29	62	0.00	29.02	29.96	E	3.5	11.6	17.37	61.4	60.4	74	50
21	90	40	65.2	44.6	0	0	96	19	56	0.00	28.91	29.85	S	8.2	23.5	17.37	63.1	64.4	77	53
22	84	63	73.6	55.8	0	8	80	41	55	0.00	28.80	29.73	S	17.9	39.2	16.64	66.2	70.2	78	63
23	84	65	74.5	59.9	0	10	87	44	62	0.00	28.83	29.77	SSE	17.8	37.4	14.09	68.4	72.4	80	67
24	73	56	63.5	59.7	0	0	98	56	89	1.48	28.80	29.73	SSE	10.5	36.8	2.58	67.7	68.1	72	63
25	65	42	54.0	41.4	11	0	96	29	68	0.29	28.95	29.88	NW	10.5	39.2	16.62	63.6	59.9	64	55
26	69	42	55.2	37.1	10	0	96	27	55	0.00	29.12	30.06	E	6.0	17.2	16.93	61.7	57.0	66	51
27	69	45	56.4	40.7	8	0	82	36	57	0.00	29.07	30.01	ESE	7.8	22.7	15.01	61.2	56.3	63	51
28	57	51	53.0	48.2	11	0	96	56	84	0.96	29.19	30.13	NNE	7.7	32.2	1.25	60.3	55.5	56	55
29	61	53	56.5	54.2	8	0	98	82	92	0.13	29.10	30.05	N	9.3	19.7	3.70	60.6	57.4	60	55
30	70	50	58.8	52.1	5	0	98	54	80	0.00	29.01	29.95	NW	5.5	16.8	15.06	62.2	60.1	67	54
31	74	43	56.8	46.1	6	0	97	29	73	0.01	29.07	30.02	NW	3.6	13.2	14.71	62.0	58.9	68	52
	77	50	62.7	45.2	<- Monthly Averages ->						29.11	30.05	N	7.3	39.2	14.26	69.0	67.7	76	61

Temperature - Highest: 92
Lowest: 30

Degree Days - Total HDD: 127
Total CDD: 71

Number of Days With:
Tmax ≥ 90: 2
Tmax ≤ 32: 0
Tmin ≤ 32: 1
Tmin ≤ 0: 0
Rainfall ≥ 0.01 inch: 9
Rainfall ≥ 0.10 inch: 5
Avg Wind Speed ≥ 10 mph: 5
Max Wind Speed ≥ 30 mph: 6

Rainfall: Monthly Total: 3.93 in.
Greatest 24 Hr: 1.48 in.

Humidity - Highest: 98
Lowest: 14

* Denotes incomplete record

Monthly data generated on Thursday, December 15, 2022 at 18:48 UTC

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

November 2022
Nearest City: 6.0 N Tishomingo
Longitude: 96-40-44

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

DAY	TEMPERATURE (F) MAX	MIN	AVG	DEWPT	DEG DAYS HDD	CDD	HUMIDITY (%) MAX	MIN	AVG	RAIN (in)	PRESSURE (in) STN	MSL	WIND DIR	SPEED AVG	(mph) MAX	SOLAR (MJ/m2)	4" SOIL TEMPERATURES SOD	BARE	MAX	MIN
1	77	44	59.5	49.7	5	0	97	43	73	0.00	29.19	30.13	SE	5.1	18.9	14.89	62.0	59.2	67	52
2	72	50	59.4	55.2	4	0	99	61	87	0.00	29.21	30.16	SSE	7.4	22.2	6.83	62.2	59.3	64	55
3	74	61	67.5	63.2	0	3	94	75	86	0.00	29.06	30.00	SSE	10.3	23.6	4.85	63.9	63.3	67	59
4	73	42	61.7	58.8	8	0	99	81	90	0.41	28.87	29.80	SSE	11.0	36.8	2.79	65.7	64.7	69	55
5	60	37	48.5	40.6	17	0	96	49	76	0.00	28.92	29.85	SE	7.6	20.2	15.45	60.7	54.3	61	48
6	75	51	60.7	48.6	2	0	86	39	67	0.00	28.95	29.89	S	7.9	20.3	14.80	61.0	57.3	65	52
7	72	56	63.4	59.9	1	0	98	71	89	0.05	29.24	30.18	NNE	6.8	14.8	4.08	62.4	60.7	65	57
8	70	65	66.7	66.1	0	3	99	92	98	0.02	29.29	30.24	SE	6.6	15.6	3.35	65.3	65.8	68	64
9	80	65	69.8	64.1	0	7	100	54	84	0.01	29.17	30.11	SSE	10.3	28.1	10.02	66.8	67.1	71	65
10	71	53	66.3	63.0	3	0	98	75	90	0.00	28.96	29.90	SSE	8.2	22.2	3.64	66.3	65.3	67	63
11	53	36	42.7	35.1	21	0	95	52	75	0.28	29.07	30.01	N	17.6	36.4	4.59	61.7	53.6	64	46
12	49	30	37.3	22.9	26	0	88	33	58	0.00	29.33	30.28	NNW	8.8	22.3	14.90	56.1	45.5	52	41
13	52	25	38.4	23.8	27	0	90	32	59	0.00	29.29	30.24	ESE	5.0	15.1	14.39	53.8	44.9	54	39
14	39	33	35.4	31.2	29	0	98	63	85	0.68	29.16	30.10	ESE	7.0	21.8	1.64	51.3	42.2	44	41
15	48	33	38.1	31.1	24	0	97	45	78	0.00	29.37	30.32	NNW	7.2	22.8	10.33	51.0	43.7	50	41
16	53	29	39.0	26.9	24	0	91	35	65	0.00	29.49	30.45	NW	6.1	20.5	13.17	50.6	43.5	52	38
17	57	23	39.8	29.1	25	0	93	35	70	0.00	29.42	30.37	S	3.9	16.5	13.83	50.0	43.9	52	37
18	48	31	35.7	21.9	25	0	78	41	58	0.00	29.46	30.41	NNE	13.9	34.6	8.89	50.1	42.5	46	39
19	47	30	35.8	18.3	27	0	77	31	50	0.00	29.48	30.43	NNW	5.5	14.9	12.11	49.3	41.6	50	37
20	50	23	36.6	20.3	28	0	91	28	55	0.00	29.47	30.42	SSE	4.2	13.1	13.54	48.2	41.7	50	37
21	54	26	38.3	31.9	25	0	96	52	80	0.00	29.39	30.34	S	4.2	16.8	11.04	48.3	42.7	51	37
22	60	29	42.0	36.3	21	0	97	52	82	0.00	29.33	30.28	S	3.2	15.4	11.14	49.3	44.9	54	38
23	51	34	45.3	44.6	23	0	99	92	97	0.65	29.14	30.09	SE	5.1	16.7	1.88	50.1	46.5	50	42
24	53	46	50.3	49.2	15	0	99	88	96	0.20	29.09	30.03	NNE	9.4	25.9	2.15	51.8	50.1	52	48
25	56	45	50.5	43.5	14	0	92	68	77	0.00	29.25	30.19	NNE	10.6	21.9	7.27	52.9	50.6	54	48
26	53	47	49.1	48.2	15	0	98	85	97	1.27	28.87	29.80	WSW	8.9	22.0	2.11	53.0	51.1	53	50
27	57	36	47.8	41.3	18	0	97	59	79	0.00	28.93	29.86	WNW	7.3	19.4	12.39	53.0	51.0	57	47
28	62	31	47.7	40.2	19	0	98	53	78	0.00	28.93	29.86	SSE	8.2	22.4	11.51	51.6	47.9	54	41
29	76	35	58.7	46.5	10	0	91	29	67	0.00	28.83	29.76	SW	15.5	35.2	11.79	54.7	54.4	62	46
30	46	27	35.0	20.2	29	0	87	30	57	0.00	29.43	30.38	N	7.9	28.6	12.88	50.6	43.5	50	39
	59	39	48.9	41.1	<- Monthly Averages ->						29.19	30.13	SSE	8.0	36.8	9.08	55.8	51.4	57	47

Temperature - Highest: 80
Lowest: 23

Degree Days - Total HDD: 485
Total CDD: 13

Number of Days With:
Tmax ≥ 90: 0
Tmax ≤ 32: 0
Tmin ≤ 32: 11
Tmin ≤ 0: 0
Rainfall ≥ 0.01 inch: 9
Rainfall ≥ 0.10 inch: 6
Avg Wind Speed ≥ 10 mph: 7
Max Wind Speed ≥ 30 mph: 4

Rainfall: Monthly Total: 3.57 in.
Greatest 24 Hr: 1.27 in.

Humidity - Highest: 100
Lowest: 28

* Denotes incomplete record

Monthly data generated on Friday, December 16, 2022 at 14:47 UTC

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

December 2022
Nearest City: 6.0 N Tishomingo
Longitude: 96-40-44

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

DAY	TEMPERATURE (F) MAX	MIN	AVG	DEWPT	DEG DAYS HDD	CDD	HUMIDITY (%) MAX	MIN	AVG	RAIN (in)	PRESSURE (in) STN	MSL	WIND DIR	SPEED (mph) AVG	MAX	SOLAR (MJ/m2)	4" SOIL TEMPERATURES SOD	BARE	MAX	MIN
1	52	27	40.9	25.2	25	0	88	29	55	0.00	29.36	30.31	SSE	8.2	27.2	5.45	48.3	41.4	45	38
2	59	48	52.5	49.0	12	0	99	52	89	0.01	29.09	30.03	S	10.0	29.8	1.75	50.6	48.2	52	44
3	58	36	42.5	25.1	18	0	91	33	51	0.00	29.46	30.41	NNE	12.9	32.4	10.85	50.5	45.8	51	42
4	49	39	42.9	34.3	21	0	89	49	72	0.05	29.26	30.20	ESE	5.0	19.9	4.56	49.7	44.8	49	42
5	75	45	57.8	53.1	5	0	99	56	86	0.01	28.87	29.81	S	7.6	23.8	9.20	52.3	51.9	60	45
6	60	47	54.3	52.4	12	0	100	80	93	0.01	28.97	29.91	S	5.5	13.2	4.79	54.5	54.3	58	51
7	55	47	49.7	48.2	14	0	99	84	95	0.28	29.21	30.16	NNE	6.3	15.1	2.40	54.0	52.0	54	50
8	61	51	56.3	55.6	9	0	100	91	97	0.23	29.18	30.12	WSW	4.4	16.6	3.58	55.4	55.5	59	52
9	61	53	55.8	46.7	8	0	100	47	74	0.00	29.19	30.13	NE	8.8	20.8	9.35	55.8	55.3	59	53
10	60	48	54.9	52.0	11	0	99	73	90	0.02	29.14	30.08	NNE	7.5	21.8	1.59	56.2	55.2	57	53
11	51	46	48.1	45.9	16	0	99	83	92	0.00	29.18	30.13	N	5.5	17.1	3.55	55.1	52.3	55	50
12	55	47	51.0	50.0	14	0	99	83	97	0.05	29.01	29.95	ESE	7.6	25.8	1.55	54.7	52.2	54	51
13	64	44	56.3	46.8	11	0	99	35	74	0.72	28.74	29.67	SW	9.6	34.8	8.18	56.2	56.2	61	51
14	50	35	43.1	27.4	23	0	73	36	54	0.00	28.88	29.81	W	7.6	20.0	9.61	53.0	48.1	52	43
15	49	29	39.9	22.5	26	0	83	33	51	0.00	29.05	29.99	WNW	7.1	21.3	11.81	49.5	42.8	49	38
16	45	26	36.3	17.8	29	0	83	27	49	0.00	29.15	30.10	NNW	7.6	24.5	7.77	47.1	39.4	44	37
17	48	24	34.8	18.2	29	0	85	28	53	0.00	29.22	30.17	NW	6.2	20.4	12.04	45.4	38.7	45	36
18	52	20	37.5	21.6	29	0	90	25	57	0.00	29.29	30.23	S	5.5	21.1	10.44	44.7	38.9	44	35
19	48	40	43.6	31.6	21	0	83	47	63	0.00	29.24	30.18	SE	8.9	26.0	4.55	46.7	42.3	45	40
20	48	28	38.1	31.9	27	0	93	60	79	0.00	29.44	30.39	N	9.5	22.8	11.53	46.8	42.2	49	38
21	48	26	35.7	29.2	28	0	99	48	80	0.00	29.21	30.16	S	6.2	20.1	7.71	45.5	39.4	44	36
22	41	6	18.0	11.8	42	0	99	59	77	0.01	29.27	30.22	SSE*	NA	31.5*	4.07	43.4	36.5	41	32
23	19	6	12.3	-2.4	52	0	70	39	51	0.00	29.69	30.65	NNW	9.9	25.0	8.58	38.0	29.4	31	28
24	34	13	21.6	4.9	41	0	82	21	53	0.00	29.58	30.54	W	3.2	13.5	11.27	36.9	29.6	32	28
25	48	15	30.6	12.3	33	0	88	19	53	0.00	29.36	30.31	S	5.0	18.4	11.14	37.4	30.7	32	29
26	53	21	36.4	20.5	28	0	72	36	53	0.00	29.28	30.23	NNW	9.9	37.0	9.92	40.1	31.6	32	31
27	46	17	30.9	18.0	33	0	87	35	61	0.00	29.22	30.17	SSE	8.3	21.4	11.72	39.4	32.4	33	32
28	67	35	52.2	39.6	14	0	85	46	63	0.00	28.85	29.78	S	15.5	36.6	9.89	42.3	39.7	48	33
29	67	50	60.1	49.6	7	0	96	37	71	0.00	28.95	29.89	S	8.8	24.0	4.72	48.2	50.7	55	46
30	61	36	48.8	35.7	17	0	90	38	62	0.00	29.04	29.98	NNE	5.3	18.4	8.34	48.1	47.6	53	42
31	68	35	51.5	41.5	14	0	98	42	71	0.00	28.89	29.82	S	7.5	26.8	9.95	47.6	46.8	53	41
	53	34	43.0	32.8	<- Monthly Averages ->						29.17	30.11	S *	7.7*	37.0*	7.48	48.2	44.3	48	41

Temperature - Highest: 75
Lowest: 6

Degree Days - Total HDD: 669
Total CDD: 0

Number of Days With:
Tmax ≥ 90: 0
Tmax ≤ 32: 1
Tmin ≤ 32: 13
Tmin ≤ 0: 0
Rainfall ≥ 0.01 inch: 10
Rainfall ≥ 0.10 inch: 3
Avg Wind Speed ≥ 10 mph: 3*
Max Wind Speed ≥ 30 mph: 5*

Rainfall: Monthly Total: 1.39 in.
Greatest 24 Hr: 0.72 in.

Humidity - Highest: 100
Lowest: 19

* Denotes incomplete record

Monthly data generated on Friday, February 17, 2023 at 18:49 UTC