



Robin L. Simmons  
Regional Land Manager

December 7, 2021

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Oklahoma Water Resources Board

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

Re: Martin Marietta/TXI Mill Creek Limestone Quarry Monitoring Report Q3 2021

Dear Mr. Cogburn:

Attached please find the Q3 2021 Quarterly Monitoring Report for Martin Marietta/TXI'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,

A handwritten signature in blue ink that reads 'Robin L. Simmons'.

Robin L. Simmons  
Regional Land Manager

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ATTACHMENT 1 (Appendix C)  
Martin Marietta (TXI) Mill Creek 2021

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Appendix C . Consumptive use of Pitwater

Q1 2021 Q2 2021 Q3 2021

PIT GROUNDWATER VOLUME						
1	Total volume pumped from producing mine pit(s) (AC-FT)			673.826	633.937	567.966
2	Volume of precipitation that falls onto the surface of producing Mine Pits (AC-FT)			11.5257	32.6363	12.638
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water (AC-FT)			51.9943	38.964	11.9726
4	(WATER HELD IN PIT FROM PREVIOUS MONTHS) other non pit waters pumped from the producing mining pit (AC-FT)			-91.5971	56.5935	-74.5063
5	add lines 2 through 4			155.12	15.01	99.12
6	Pit Groundwater Volume (AC-FT) (line 1 minus Line 5)			518.71	618.93	468.85
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
8	Vol. of pit groundwater that is carried away with the the mined material transp. off of the mine site (AC-FT)			3.20	4.37	3.82
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	0.00	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)			13.71	12.51	25.41
11	DEFINED ELEMENTS OF CONSUMPTIVE USE of Pit groundwater (AC-FT) (add lines 7 through 10)			16.90	16.88	29.23
PIT GROUNDWATER BALANCE						
12	Lines 6 minus 11			501.81	602.05	439.62
13	Groundwater Augmentation Volume of pit water returned to GW Basin or subbasin. (Troy Recharge AC-FT)	Credits		334.00	384.94	373.61
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)			42.79	74.47	145.05
15	PPT and Runoff Volume of Precipitation and surface runoff into a recharge pit or holding pond (AC-FT)			19.72	53.77	19.33
16	Recycled Pit Groundwater - Volume of ground water returned to the mine pit or holding basin (AC-FT)			333.90	342.24	356.95
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)			32.6	0.0	0.0
18	add lines 13 through 17			762.97	855.43	894.94
19	OTHER CONSUMPTIVE USE Line 12 minus Line 18			-261.17	-253.38	-455.32
TOTAL REPORTED CONSUMPTIVE USE (AC-FT)						
TOTAL NET CONSUMPTIVE USE (AC-FT) Line 11 plus line 19				-244.26	-236.50	-426.09

## RESULTS FROM RUNOFF MODELLING

2021	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	1.25	2.958	6.382	0.799	10.14	1.95	0.01	3.65	0.28	8.55	7.47
February	0.81	1.917	1.668	0.037	3.62	1.26	0.00	2.36	0.01	5.54	1.72
March	2.81	6.650	31.492	11.616	49.76	4.38	6.93	8.20	5.22	19.23	55.25
<b>Q1 Subtotal</b>	<b>4.87</b>	<b>11.53</b>	<b>39.54</b>	<b>12.45</b>	<b>63.52</b>	<b>7.59</b>	<b>6.93</b>	<b>14.20</b>	<b>5.51</b>	<b>33.32</b>	<b>64.44</b>
April	5.36	12.685	47.746	14.610	75.04	8.35	7.43	15.63	6.41	36.67	76.19
May	6.11	14.460	47.774	14.906	77.14	9.52	10.01	17.82	6.74	41.80	79.43
June	2.32	5.491	10.849	7.721	24.06	3.62	0.03	6.77	0.41	15.87	19.01
<b>Q2 Subtotal</b>	<b>13.79</b>	<b>32.64</b>	<b>106.37</b>	<b>37.24</b>	<b>176.24</b>	<b>21.49</b>	<b>17.47</b>	<b>40.22</b>	<b>13.55</b>	<b>94.35</b>	<b>174.64</b>
July	1.53	3.62	4.88	0.57	9.07	2.38	0.00	4.46	0.20	10.47	5.65
August	3.03	7.17	27.34	8.08	42.59	4.72	3.65	8.84	3.50	20.73	42.57
September	0.78	1.85	2.63	0.16	4.64	1.22	0.00	2.28	0.05	5.34	2.85
<b>Q3 Subtotal</b>	<b>5.34</b>	<b>12.64</b>	<b>34.86</b>	<b>8.80</b>	<b>56.30</b>	<b>8.32</b>	<b>3.65</b>	<b>15.58</b>	<b>3.76</b>	<b>36.53</b>	<b>51.07</b>

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Water Volume Movements	January	February	March	April	May	June	July	August	September
Pumped from Pit	180.4	271.6	221.8	238.1	202.2	193.6	188.1	192.1	187.8
Groundwater Component of Pitwater	120.2	290.5	90.5	122.2	153.5	184.8	164.9	123.2	156.8
Quarry dust suppression	2.1	7.7	5.9	6.8	2.8	7.3	7.5	9.8	11.4
Q- freshwater pond	162.0	249.6	203.8	169.1	199.4	186.3	170.6	137.7	86.0
To Secondary FM7	336.0	293.0	430.5	541.0	513.3	511.8	445.5	565.5	576.3
To sand Plant FM8	104.6	77.0	138.1	182.0	161.7	163.9	148.5	172.1	170.0
to loadout FM6	267.9	187.2	369.4	456.3	400.4	437.9	399.2	463.9	465.2
to dust control FM9	2.265	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
to Plant FM7+FM8+FM6	708.5	557.2	938.0	1179.2	1075.5	1113.5	993.2	1201.6	1211.4
to stream Augmentation	16.25	14.31	12.23	62.24	0.00	0.00	10.02	44.58	90.45
bypass discharge	0.378851	0.378851	0.649776	0	0.378851	0.762633	0.648809	0.149587	0.34444
To Troy FM3	721.6	529.8	939.5	1212.3	1117.8	1147.7	1003.6	1249.6	1248.8
To Booster FM2	729.0	524.3	966.5	1248.5	1136.8	1215.3	1047.5	1278.5	1266.6
From Troy to Freshwater Pond FM4	550.2	432.6	726.9	910.1	766.2	865.0	825.1	1023.6	1065.7

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Quarter Summary	3rd Qtr
Total Tons Shipped	1,620,000
Total Acre Feet	30.64
Average Moisture %	2.57%

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Date	Daily Rainf	Total Daily Evaporation
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7/1/2021	0.17	0.212
7/2/2021	0.22	0.133
7/3/2021	0	0.08
7/4/2021	0	0.186
7/5/2021	0	0.171
7/6/2021	0	0.075
7/7/2021	0.72	0.031
7/8/2021	0	0.009
7/9/2021	0	0.147
7/10/2021	0	0.18
7/11/2021	0.09	0.23
7/12/2021	0	0.168
7/13/2021	0	0.103
7/14/2021	0	0.157
7/15/2021	0	0.149
7/16/2021	0.14	0.118
7/17/2021	0	0.12
7/18/2021	0.03	0.19
7/19/2021	0.15	0.143
7/20/2021	0	0.147
7/21/2021	0	0.1
7/22/2021	0	0.113
7/23/2021	0	0.135
7/24/2021	0	0.22
7/25/2021	0	0.236
7/26/2021	0	0.274
7/27/2021	0.01	0.173
7/28/2021	0	0.21
7/29/2021	0	0.22
7/30/2021	0	0.212
7/31/2021	0	0.247
8/1/2021	0	0.183
8/2/2021	0	0.256
8/3/2021	0	0.173
8/4/2021	0	0.113
8/5/2021	0.47	0.191
8/6/2021	0	0.128
8/7/2021	0	0.197
8/8/2021	0	0.216
8/9/2021	0	0.276
8/10/2021	0	0.289
8/11/2021	0	0.291
8/12/2021	0	0.077
8/14/2021	0.01	1.172
8/15/2021	0.08	0.317

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8/16/2021	0.09	0.102
8/17/2021	1.31	0.051
8/18/2021	0.07	0.068
8/19/2021	1	0.302
8/20/2021	0	0.139
8/21/2021	0	0.23
8/22/2021	0	0.195
8/23/2021	0	0.233
8/24/2021	0	0.231
8/25/2021	0	0.192
8/26/2021	0	0.244
8/27/2021	0	0.234
8/28/2021	0	0.211
8/29/2021	0	0.153
8/30/2021	0	0.149
8/31/2021	0	0.092
9/1/2021	0	0.007
9/2/2021	0	0.295
9/3/2021	0	0.042
9/4/2021	0.1	0.319
9/5/2021	0	0.018
9/6/2021	0	0.013
9/7/2021	0	0.02
9/8/2021	0	0.236
9/9/2021	0	0.208
9/10/2021	0	0.214
9/11/2021	0	0.204
9/12/2021	0	0.16
9/13/2021	0	0.115
9/14/2021	0	0.16
9/15/2021	0	0.118
9/16/2021	0	0.068
9/17/2021	0	0.009
9/18/2021	0	0.03
9/19/2021	0	0.007
9/20/2021	0	0.015
9/21/2021	0	0.04
9/22/2021	0	0.014
9/23/2021	0	0.009
9/24/2021	0	0.01
9/25/2021	0	0.004

9/29/2021	0.03	0.054
9/30/2021	0.54	0.195

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```
# ----- 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://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_support_nwisweb@usgs.gov
# retrieved: 2021-09-01 14:10:11 EDT (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:
# 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	2021-07-01	14.1	P
USGS	07331200	2021-07-02	15.3	P
USGS	07331200	2021-07-03	14.5	P
USGS	07331200	2021-07-04	12.4	P
USGS	07331200	2021-07-05	10.9	P
USGS	07331200	2021-07-06	9.71	P
USGS	07331200	2021-07-07	9.13	P
USGS	07331200	2021-07-08	9.09	P
USGS	07331200	2021-07-09	11.0	P
USGS	07331200	2021-07-10	12.0	P
USGS	07331200	2021-07-11	10.4	P
USGS	07331200	2021-07-12	9.31	P
USGS	07331200	2021-07-13	9.14	P
USGS	07331200	2021-07-14	8.35	P
USGS	07331200	2021-07-15	8.16	P
USGS	07331200	2021-07-16	8.05	P
USGS	07331200	2021-07-17	7.81	P
USGS	07331200	2021-07-18	7.21	P
USGS	07331200	2021-07-19	7.93	P
USGS	07331200	2021-07-20	7.72	P
USGS	07331200	2021-07-21	9.16	P
USGS	07331200	2021-07-22	9.32	P
USGS	07331200	2021-07-23	8.65	P
USGS	07331200	2021-07-24	7.95	P
USGS	07331200	2021-07-25	6.64	P
USGS	07331200	2021-07-26	5.47	P
USGS	07331200	2021-07-27	6.54	P
USGS	07331200	2021-07-28	5.28	P
USGS	07331200	2021-07-29	4.55	P
USGS	07331200	2021-07-30	3.84	P
USGS	07331200	2021-07-31	4.48	P

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```

# ----- 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_support_nwisweb@usgs.gov
# retrieved: 2021-10-04 09:37:46 EDT (nadww01)
#
# 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	2021-08-01	4.37	P
USGS	07331200	2021-08-02	4.01	P
USGS	07331200	2021-08-03	3.77	P
USGS	07331200	2021-08-04	3.53	P
USGS	07331200	2021-08-05	3.99	P
USGS	07331200	2021-08-06	3.78	P
USGS	07331200	2021-08-07	4.24	P
USGS	07331200	2021-08-08	4.73	P
USGS	07331200	2021-08-09	7.18	P
USGS	07331200	2021-08-10	7.83	P
USGS	07331200	2021-08-11	6.25	P
USGS	07331200	2021-08-12	4.98	P
USGS	07331200	2021-08-13	4.32	P
USGS	07331200	2021-08-14	4.55	P
USGS	07331200	2021-08-15	5.45	P
USGS	07331200	2021-08-16	5.12	P
USGS	07331200	2021-08-17	14.3	P
USGS	07331200	2021-08-18	18.8	P
USGS	07331200	2021-08-19	21.3	P
USGS	07331200	2021-08-20	16.5	P
USGS	07331200	2021-08-21	8.29	P
USGS	07331200	2021-08-22	5.74	P
USGS	07331200	2021-08-23	4.68	P
USGS	07331200	2021-08-24	4.36	P
USGS	07331200	2021-08-25	5.89	P
USGS	07331200	2021-08-26	8.06	P
USGS	07331200	2021-08-27	9.97	P
USGS	07331200	2021-08-28	9.36	P
USGS	07331200	2021-08-29	6.61	P
USGS	07331200	2021-08-30	4.77	P
USGS	07331200	2021-08-31	4.09	P

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```
# ----- WARNING -----
# Some of the data that you have obtained from this U.S. Geological Survey database
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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_support_nwisweb@usgs.gov
# retrieved: 2021-10-04 09:38:29 EDT (nadww01)
#
```

```
# 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	2021-09-01	4.28	P
USGS	07331200	2021-09-02	4.37	P
USGS	07331200	2021-09-03	4.60	P
USGS	07331200	2021-09-04	4.46	P
USGS	07331200	2021-09-05	4.58	P
USGS	07331200	2021-09-06	4.72	P
USGS	07331200	2021-09-07	4.33	P
USGS	07331200	2021-09-08	4.00	P
USGS	07331200	2021-09-09	3.99	P
USGS	07331200	2021-09-10	3.52	P
USGS	07331200	2021-09-11	3.30	P
USGS	07331200	2021-09-12	3.45	P
USGS	07331200	2021-09-13	2.79	P
USGS	07331200	2021-09-14	2.21	P
USGS	07331200	2021-09-15	2.07	P
USGS	07331200	2021-09-16	2.13	P
USGS	07331200	2021-09-17	2.29	P
USGS	07331200	2021-09-18	1.91	P
USGS	07331200	2021-09-19	1.65	P
USGS	07331200	2021-09-20	1.91	P
USGS	07331200	2021-09-21	2.06	P
USGS	07331200	2021-09-22	2.42	P
USGS	07331200	2021-09-23	2.16	P
USGS	07331200	2021-09-24	1.84	P
USGS	07331200	2021-09-25	1.63	P
USGS	07331200	2021-09-26	1.38	P
USGS	07331200	2021-09-27	1.22	P
USGS	07331200	2021-09-28	1.27	P
USGS	07331200	2021-09-29	1.86	P
USGS	07331200	2021-09-30	2.32	P

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Monthly data generated on Monday, September 27, 2021 at 18:57 UTC

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MESONET CLIMATOLOGICAL DATA SUMMARY										August 2021		Oklahoma Water Resources Board				Time Zone: Midnight-Midnight CST					
(TISH) Tishomingo										Nearest City: 6.0 N Tishomingo		County: Johnston									
Latitude: 34-19-57										Longitude: 96-40-44		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	88	74	79.4	71.4	0	16	96	55	78	0.01	29.09	30.04	NNE	8.3	22.0	18.09	83.7	89.6	96	85	
2	89	71	79.2	64.7	0	15	79	44	62	0.00	29.10	30.04	NNE	10.4	23.0	23.68	83.3	88.9	97	82	
3	89	65	77.0	64.5	0	12	93	42	68	0.00	29.07	30.01	NNE	5.1	13.4	19.17	82.2	87.0	96	79	
4	90	67	77.7	67.8	0	14	96	43	74	0.00	29.10	30.05	NE	4.2	16.4	20.09	82.3	87.3	98	79	
5	91	68	73.6	67.9	0	14	98	45	85	0.32	29.13	30.07	E	5.8	34.1	14.65	81.2	84.1	93	77	
6	92	65	78.5	69.0	0	13	99	45	75	0.00	29.07	30.01	SSE	6.5	18.1	25.74	81.0	83.3	95	74	
7	93	70	81.6	71.5	0	16	95	52	73	0.00	29.00	29.94	SSE	8.8	22.5	23.57	82.2	86.6	97	77	
8	96	74	84.0	71.8	0	20	94	43	69	0.00	28.95	29.89	SSE	11.4	29.4	22.69	82.8	87.8	96	80	
9	97	76	85.8	73.1	0	22	90	45	67	0.00	28.98	29.92	S	12.5	28.1	24.59	83.8	89.5	98	82	
10	97	76	85.6	71.6	0	22	88	40	65	0.00	29.06	30.00	S	12.3	28.3	26.68	84.7	90.3	99	82	
11	97	73	84.9	68.5	0	20	92	31	62	0.00	29.05	29.99	S	11.6	26.9	26.85	84.9	90.1	99	82	
12	98	73	85.3	70.8	0	21	94	36	65	0.00	29.07	30.01	SSE	8.7	21.1	25.14	85.4	90.9	101	83	
13	95	72	82.2	71.5	0	19	94	46	72	0.00	29.14	30.08	S	4.8	21.3	15.03	84.3	88.7	95	83	
14	85	71	75.7	71.0	0	13	98	61	86	0.42	29.21	30.15	ENE	3.9	13.5	9.65	82.0	83.0	87	80	
15	89	71	78.3	70.0	0	15	97	49	78	0.00	29.09	30.03	ENE	4.1	20.1	21.85	82.4	83.7	93	77	
16	90	70	76.6	70.8	0	15	99	48	84	0.10	29.00	29.94	E	4.6	22.2	19.21	82.2	84.1	97	77	
17	83	69	73.2	71.0	0	11	98	76	93	1.08	28.99	29.93	E	5.5	34.8	7.88	79.0	78.4	83	75	
18	81	70	74.5	72.3	0	11	98	78	93	0.05	29.05	29.99	SSE	7.1	20.8	10.74	78.3	77.3	81	74	
19	82	73	76.1	74.4	0	12	98	83	95	4.02	29.02	29.96	SE	5.6	15.1	5.77	77.5	77.2	81	75	
20	92	75	82.9	74.4	0	19	98	53	77	0.00	28.93	29.86	SSE	9.2	24.3	24.58	80.5	81.0	87	76	
21	93	75	83.1	74.1	0	19	95	56	76	0.00	28.97	29.91	S	6.1	20.8	24.10	82.9	82.6	89	77	
22	95	74	83.6	74.0	0	20	97	51	75	0.00	29.03	29.97	S	6.1	18.5	24.14	83.8	83.4	90	78	
23	94	70	81.8	71.5	0	17	97	46	74	0.00	29.03	29.97	SSE	6.0	17.5	25.67	83.7	82.3	89	76	
24	94	68	81.7	71.5	0	16	98	47	74	0.00	29.03	29.97	SSE	7.0	21.3	25.47	83.3	81.8	89	75	
25	94	70	82.3	72.0	0	17	98	43	74	0.00	29.08	30.03	SSE	4.5	16.3	25.45	83.7	84.3	95	76	
26	93	72	81.9	72.3	0	17	97	48	75	0.00	29.09	30.03	E	3.7	11.9	23.45	83.7	86.3	97	78	
27	91	71	80.7	71.4	0	16	97	51	75	0.00	29.04	29.98	ESE	5.3	19.5	23.74	83.6	87.1	97	79	
28	88	71	78.8	71.0	0	14	94	58	78	0.00	29.06	30.00	ESE	5.7	18.9	20.40	83.0	86.9	96	79	
29	89	69	77.6	71.3	0	14	97	57	82	0.00	29.04	29.98	E	4.4	18.3	19.43	82.3	86.3	95	79	
30	93	71	80.9	71.5	0	17	97	47	76	0.00	28.92	29.86	NNE	4.7	15.5	23.86	82.5	88.0	99	79	
31	95	70	81.3	71.5	0	17	98	43	75	0.00	28.84	29.77	SSE	3.2	12.7	22.78	82.8	89.0	100	81	
	91	71	80.2	71.0	<- Monthly Averages ->							29.04	29.98	SSE	6.7	34.8	20.78	82.6	85.4	94	79
Temperature - Highest: 98 Lowest: 65							Degree Days - Total HDD: 0 Total CDD: 503					Number of Days With:									
Rainfall: Monthly Total: 6.00 in. Greatest 24 Hr: 4.02 in.							Humidity - Highest: 99 Lowest: 31					Tmax ≥ 90: 21 Rainfall ≥ 0.01 inch: 7									
												Tmax ≤ 32: 0 Rainfall ≥ 0.10 inch: 5									
												Tmin ≤ 32: 0 Avg Wind Speed ≥ 10 mph: 5									
										Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 2											



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

\* Denotes incomplete record

Monthly data generated on Monday, October 04, 2021 at 08:51 UTC



Date	Reference ET, Short [in]	Reference ET, Tall [in]	Cool Season Grass ET [in]	Warm Season Grass ET [in]	Pan Evaporation [in]
2021-10-03	0.16	0.20	0.15	0.10	0.20
2021-10-02	0.12	0.15	0.11	0.07	0.15
2021-10-01	0.07	0.07	0.06	0.04	0.08
2021-09-30	0.09	0.12	0.08	0.06	0.11
2021-09-29	0.16	0.20	0.14	0.10	0.19
2021-09-28	0.18	0.24	0.17	0.11	0.23
2021-09-27	0.18	0.24	0.17	0.11	0.23
2021-09-26	0.19	0.26	0.18	0.12	0.25
2021-09-25	0.14	0.17	0.13	0.09	0.18
2021-09-24	0.15	0.19	0.14	0.09	0.18
2021-09-23	0.14	0.18	0.13	0.09	0.18
2021-09-22	0.20	0.29	0.19	0.13	0.28
2021-09-21	0.23	0.34	0.21	0.14	0.34
2021-09-20	0.21	0.28	0.19	0.13	0.26
2021-09-19	0.17	0.20	0.16	0.10	0.20
2021-09-18	0.18	0.23	0.17	0.11	0.23
2021-09-17	0.17	0.19	0.15	0.10	0.20
2021-09-16	0.17	0.20	0.16	0.10	0.20
2021-09-15	0.16	0.19	0.15	0.10	0.19
2021-09-14	0.16	0.20	0.15	0.10	0.20
2021-09-13	0.17	0.20	0.15	0.10	0.20
2021-09-12	0.17	0.20	0.16	0.10	0.20
2021-09-11	0.20	0.25	0.18	0.12	0.25
2021-09-10	0.20	0.26	0.18	0.12	0.25
2021-09-09	0.19	0.24	0.18	0.12	0.24
2021-09-08	0.21	0.27	0.20	0.13	0.27
2021-09-07	0.20	0.24	0.18	0.12	0.24
2021-09-06	0.19	0.22	0.18	0.12	0.23
2021-09-05	0.16	0.20	0.15	0.10	0.20
2021-09-04	0.21	0.26	0.20	0.13	0.27
2021-09-03	0.21	0.26	0.20	0.13	0.26
2021-09-02	0.20	0.23	0.18	0.12	0.24
2021-09-01	0.19	0.21	0.18	0.12	0.23
2021-08-31	0.19	0.21	0.17	0.12	0.22
2021-08-30	0.20	0.23	0.19	0.13	0.24
2021-08-29	0.16	0.18	0.15	0.10	0.19
2021-08-28	0.17	0.20	0.16	0.11	0.21
2021-08-27	0.20	0.23	0.19	0.12	0.25
2021-08-26	0.19	0.21	0.18	0.12	0.23
2021-08-25	0.22	0.25	0.20	0.13	0.26
2021-08-24	0.22	0.27	0.21	0.14	0.28
2021-08-23	0.22	0.26	0.21	0.14	0.28
2021-08-22	0.22	0.26	0.21	0.14	0.27
2021-08-21	0.22	0.25	0.20	0.13	0.27
2021-08-20	0.23	0.28	0.22	0.14	0.29
2021-08-19	0.06	0.07	0.06	0.04	0.08
2021-08-18	0.10	0.11	0.09	0.06	0.12
2021-08-17	0.08	0.10	0.08	0.05	0.10
2021-08-16	0.17	0.19	0.16	0.10	0.20
2021-08-15	0.18	0.20	0.17	0.11	0.22
2021-08-14	0.10	0.12	0.09	0.06	0.12



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2021-08-13	0.16	0.19	0.15	0.19
2021-08-12	0.27	0.35	0.25	0.35
2021-08-11	0.31	0.42	0.29	0.42
2021-08-10	0.30	0.40	0.28	0.42
2021-08-09	0.29	0.38	0.27	0.39
2021-08-08	0.26	0.35	0.24	0.35
2021-08-07	0.23	0.28	0.21	0.29
2021-08-06	0.22	0.27	0.21	0.28
2021-08-05	0.16	0.20	0.15	0.19
2021-08-04	0.18	0.20	0.16	0.21
2021-08-03	0.18	0.22	0.17	0.22
2021-08-02	0.26	0.35	0.24	0.35
2021-08-01	0.18	0.23	0.17	0.23
2021-07-31	0.23	0.26	0.21	0.27
2021-07-30	0.22	0.25	0.21	0.27
2021-07-29	0.21	0.23	0.20	0.26
2021-07-28	0.23	0.25	0.21	0.27
2021-07-27	0.19	0.22	0.18	0.23
2021-07-26	0.24	0.28	0.22	0.30
2021-07-25	0.24	0.27	0.22	0.29
2021-07-24	0.23	0.27	0.22	0.29
2021-07-23	0.22	0.25	0.20	0.27
2021-07-22	0.20	0.23	0.19	0.25
2021-07-21	0.21	0.23	0.19	0.25
2021-07-20	0.22	0.27	0.21	0.28
2021-07-19	0.19	0.23	0.18	0.24
2021-07-18	0.21	0.24	0.19	0.25
2021-07-17	0.22	0.25	0.21	0.27
2021-07-16	0.17	0.20	0.16	0.21
2021-07-15	0.23	0.28	0.21	0.29
2021-07-14	0.23	0.28	0.21	0.29
2021-07-13	0.23	0.27	0.22	0.29
2021-07-12	0.22	0.24	0.20	0.26
2021-07-11	0.23	0.28	0.22	0.29
2021-07-10	0.20	0.25	0.19	0.26
2021-07-09	0.21	0.24	0.20	0.26
2021-07-08	0.17	0.19	0.16	0.21
2021-07-07	0.18	0.20	0.17	0.22
2021-07-06	0.20	0.22	0.18	0.24
2021-07-05	0.18	0.20	0.16	0.21
2021-07-04	0.21	0.24	0.20	0.26
2021-07-03	0.21	0.25	0.20	0.26
2021-07-02	0.11	0.12	0.10	0.13
2021-07-01	0.19	0.22	0.17	0.23
2021-06-30	0.21	0.23	0.19	0.25
2021-06-29	0.19	0.23	0.18	0.23
2021-06-28	0.17	0.20	0.16	0.21
2021-06-27	0.22	0.26	0.21	0.28
2021-06-26	0.19	0.25	0.18	0.25
2021-06-25	0.27	0.35	0.25	0.37
2021-06-24	0.26	0.32	0.24	0.34



Mill Creek Water Levels 3rd Quarter 2021

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