



Robin L. Simmons
Regional Land Manager

June 4, 2018

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

Oklahoma Water Resources Board

Re: Martin Marietta/TXI Mill Creek Limestone Quarry Monitoring Report Q1 2018

Dear Mr. Cogburn:

Attached please find the Q1 2018 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, EIT
Regional Land Manager

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ATTACHMENT 1 (Appendix C)
Martin Marietta (TXI) Mill Creek 2018

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Appendix C . Consumptive use of Pitwater

Q1 2018

| PIT GROUNDWATER VOLUME | | | |
|--|--|---------|---------|
| 1 | Total volume pumped from producing mine pit(s) (AC-FT) | | 472.23 |
| 2 | Volume of precipitation that falls onto the surface of producing Mine Pits (AC-FT) | | 109.54 |
| 3 | Portion of total precipitation that flows over the land surface that drains into the mine pit water (AC-FT) | | 68.44 |
| 4 | (WATER HELD IN PIT FROM PREVIOUS MONTHS) other non pit waters pumped from the producing mining pit (AC-FT) | | |
| 5 | add lines 2 through 4 | | 177.98 |
| 6 | Pit Groundwater Volume (AC-FT) (line 1 minus Line 5) | | 294.25 |
| 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 |
| 8 | Vol. of pit groundwater that is carried away with the the mined material transp. off of the mine site (AC-FT) | | 4.03 |
| 9 | Vol. of pit groundwater that evaporates from producing mine pits, process ponds and lined ponds (excluding structures used for augmentation) (AC-FT) | | 1.15 |
| 10 | Volume of pit groundwater that is used for other beneficial uses off of the mine site (AC-FT) (includes on-site dust control) | | 8.69 |
| 11 | DEFINED ELEMENTS OF CONSUMPTIVE USE of Pit groundwater (AC-FT) (add lines 7 through 10) | | 13.88 |
| 12 | Lines 6 minus 11 | | 280.37 |
| 13 | Groundwater Augmentation Volume of pit groundwater returned to GW Basin or subbasin. (Troy Recharge AC-FT) | Credits | 18.06 |
| 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) | | 179.20 |
| 15 | PPT and Runoff Volume of Precipitation and surface runoff into a recharge pit or holding pond (AC-FT) | | 106.38 |
| 16 | Recycled Pit Groundwater - Volume of ground water returned to the mine pit or holding basin (AC-FT) | | 173.21 |
| 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) | | 0.00 |
| 18 | add lines 13 through 17 | | 476.85 |
| 19 | OTHER CONSUMPTIVE USE Line 12 minus Line 18 | | -196.48 |
| TOTAL NET CONSUMPTIVE USE (AC-FT) Line 11 plus line 19 | | | -182.60 |

RESULTS FROM RUNOFF MODELLING

| 2018 | 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 | 0.25 | 0.004 | 0.175 | 0.000 | 0.18 | 0.39 | 0.00 | 0.82 | 0.00 | 1.22 | 0.17 |
| February | 7.50 | 0.125 | 93.183 | 48.293 | 141.60 | 11.69 | 53.63 | 24.69 | 69.73 | 36.50 | 264.83 |
| March | 2.28 | 0.038 | 16.020 | 4.087 | 20.14 | 3.55 | 1.54 | 7.51 | 3.64 | 11.10 | 25.29 |
| Q1 Subtotal | | 0.17 | 109.38 | 52.38 | 161.92 | 15.63 | 55.17 | 33.02 | 73.37 | 48.81 | 290.29 |

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Water Volume Movements

| | | January | February | March |
|-----------------------------------|---------|---------|----------|--------|
| Pumped from Pit | (Ac-Ft) | 103.4 | 160.8 | 208.0 |
| Groundwater Component of Pitwater | | 103.2 | 19.2 | 187.9 |
| Quarry dust suppression | | 2.8 | 3.4 | 5.4 |
| Q- freshwater pond | (Ac-Ft) | 18.7 | 60.1 | 202.6 |
| To Secondary FM7 | (Ac-Ft) | 389.1 | 432.3 | 598.6 |
| To sand Plant FM8 | (Ac-Ft) | 96.3 | 89.3 | 123.0 |
| to loadout FM6 | (Ac-Ft) | 247.9 | 284.1 | 370.7 |
| to dust control FM9 | (Ac-Ft) | 72.8 | -116.8 | 0.0 |
| to Plant FM7+FM8+FM6 | (Ac-Ft) | 733.4 | 805.8 | 1092.4 |
| to stream Augmentation | Ac-ft | 811.6 | 829.1 | 1200.7 |
| To Troy FM3 | (Ac-Ft) | 811.6 | 829.1 | 1200.7 |
| From Troy to Freshwater Pond FM4 | + | 833.4 | 733.4 | 975.5 |

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| | |
|--------------------|-----------|
| Quarter Summary | 1st QTR |
| Total Tons Shipped | 1,250,000 |
| Total Acre Feet | 25.40 |
| Average Moisture % | 2.76% |

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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: 2018-02-09 12:08:16 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:
# 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 | 2018-01-01 | 1.92 | P |
| USGS | 07331200 | 2018-01-02 | 1.94 | P |
| USGS | 07331200 | 2018-01-03 | 2.06 | P |
| USGS | 07331200 | 2018-01-04 | 2.13 | P |
| USGS | 07331200 | 2018-01-05 | 2.21 | P |
| USGS | 07331200 | 2018-01-06 | 2.30 | P |
| USGS | 07331200 | 2018-01-07 | 2.73 | P |
| USGS | 07331200 | 2018-01-08 | 2.92 | P |
| USGS | 07331200 | 2018-01-09 | 2.39 | P |
| USGS | 07331200 | 2018-01-10 | 2.37 | P |
| USGS | 07331200 | 2018-01-11 | 2.40 | P |
| USGS | 07331200 | 2018-01-12 | 2.26 | P |
| USGS | 07331200 | 2018-01-13 | 2.31 | P |
| USGS | 07331200 | 2018-01-14 | 2.36 | P:e |
| USGS | 07331200 | 2018-01-15 | 2.42 | P:e |
| USGS | 07331200 | 2018-01-16 | 2.43 | P:e |
| USGS | 07331200 | 2018-01-17 | 2.44 | P:e |
| USGS | 07331200 | 2018-01-18 | 2.46 | P:e |
| USGS | 07331200 | 2018-01-19 | 2.47 | P:e |
| USGS | 07331200 | 2018-01-20 | 7.36 | P |
| USGS | 07331200 | 2018-01-21 | 10.5 | P |
| USGS | 07331200 | 2018-01-22 | 10.3 | P |
| USGS | 07331200 | 2018-01-23 | 12.3 | P |
| USGS | 07331200 | 2018-01-24 | 14.5 | P |
| USGS | 07331200 | 2018-01-25 | 13.3 | P |
| USGS | 07331200 | 2018-01-26 | 11.0 | P |
| USGS | 07331200 | 2018-01-27 | 8.54 | P |
| USGS | 07331200 | 2018-01-28 | 6.78 | P |
| USGS | 07331200 | 2018-01-29 | 5.85 | P |
| USGS | 07331200 | 2018-01-30 | 5.04 | P |
| USGS | 07331200 | 2018-01-31 | 5.72 | P |

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# 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: 2018-05-16 17:50:28 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:
# A Approved for publication -- Processing and review completed.
#
```

| agency_cd | site_no | datetime | 111780_00060_00003 | 111780_00060_00003_cd |
|-----------|----------|------------|--------------------|-----------------------|
| 5s | 15s | 20d | 14n | 10s |
| USGS | 07331200 | 2018-02-01 | 8.52 | A |
| USGS | 07331200 | 2018-02-02 | 9.51 | A |
| USGS | 07331200 | 2018-02-03 | 9.42 | A |
| USGS | 07331200 | 2018-02-04 | 7.98 | A |
| USGS | 07331200 | 2018-02-05 | 7.32 | A |
| USGS | 07331200 | 2018-02-06 | 6.00 | A |
| USGS | 07331200 | 2018-02-07 | 5.34 | A |
| USGS | 07331200 | 2018-02-08 | 5.24 | A |
| USGS | 07331200 | 2018-02-09 | 5.04 | A |
| USGS | 07331200 | 2018-02-10 | 4.82 | A |
| USGS | 07331200 | 2018-02-11 | 4.39 | A |
| USGS | 07331200 | 2018-02-12 | 4.09 | A |
| USGS | 07331200 | 2018-02-13 | 3.48 | A |
| USGS | 07331200 | 2018-02-14 | 3.28 | A |
| USGS | 07331200 | 2018-02-15 | 3.95 | A |
| USGS | 07331200 | 2018-02-16 | 4.00 | A |
| USGS | 07331200 | 2018-02-17 | 4.08 | A |
| USGS | 07331200 | 2018-02-18 | 2.99 | A |
| USGS | 07331200 | 2018-02-19 | 3.09 | A |
| USGS | 07331200 | 2018-02-20 | 28.9 | A |
| USGS | 07331200 | 2018-02-21 | 20.4 | A |
| USGS | 07331200 | 2018-02-22 | 37.5 | A |
| USGS | 07331200 | 2018-02-23 | 222 | A |
| USGS | 07331200 | 2018-02-24 | 602 | A |
| USGS | 07331200 | 2018-02-25 | 166 | A |
| USGS | 07331200 | 2018-02-26 | 113 | A |
| USGS | 07331200 | 2018-02-27 | 246 | A |
| USGS | 07331200 | 2018-02-28 | 206 | A |

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 # 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: 2018-05-16 17:51:09 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:
 # A Approved for publication -- Processing and review completed.
 # e Value has been estimated.

| agency_cd | site_no | datetime | 111780_00060_00003 | 111780_00060_00003_cd |
|-----------|----------|------------|--------------------|-----------------------|
| 5s | 15s | 20d | 14n | 10s |
| USGS | 07331200 | 2018-03-01 | 127 | A |
| USGS | 07331200 | 2018-03-02 | 79.4 | A |
| USGS | 07331200 | 2018-03-03 | 69.3 | A |
| USGS | 07331200 | 2018-03-04 | 48.3 | A |
| USGS | 07331200 | 2018-03-05 | 47.5 | A |
| USGS | 07331200 | 2018-03-06 | 42.1 | A |
| USGS | 07331200 | 2018-03-07 | 41.0 | A |
| USGS | 07331200 | 2018-03-08 | 38.1 | A:e |
| USGS | 07331200 | 2018-03-09 | 31.9 | A:e |
| USGS | 07331200 | 2018-03-10 | 28.0 | A:e |
| USGS | 07331200 | 2018-03-11 | 22.8 | A:e |
| USGS | 07331200 | 2018-03-12 | 19.1 | A:e |
| USGS | 07331200 | 2018-03-13 | 14.6 | A:e |
| USGS | 07331200 | 2018-03-14 | 14.3 | A:e |
| USGS | 07331200 | 2018-03-15 | 14.5 | A:e |
| USGS | 07331200 | 2018-03-16 | 12.2 | A:e |
| USGS | 07331200 | 2018-03-17 | 12.2 | A:e |
| USGS | 07331200 | 2018-03-18 | 11.8 | A:e |
| USGS | 07331200 | 2018-03-19 | 12.7 | A:e |
| USGS | 07331200 | 2018-03-20 | 13.3 | A:e |
| USGS | 07331200 | 2018-03-21 | 13.4 | A:e |
| USGS | 07331200 | 2018-03-22 | 17.1 | A:e |
| USGS | 07331200 | 2018-03-23 | 42.8 | A:e |
| USGS | 07331200 | 2018-03-24 | 60.5 | A:e |
| USGS | 07331200 | 2018-03-25 | 66.4 | A:e |
| USGS | 07331200 | 2018-03-26 | 94.8 | A:e |
| USGS | 07331200 | 2018-03-27 | 480 | A:e |
| USGS | 07331200 | 2018-03-28 | 239 | A:e |
| USGS | 07331200 | 2018-03-29 | 159 | A:e |
| USGS | 07331200 | 2018-03-30 | 153 | A:e |
| USGS | 07331200 | 2018-03-31 | 193 | A:e |

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| Date | Daily Rainfall Total | Total Daily Evaporation |
|-----------|----------------------|-------------------------|
| 1/1/2018 | 0 | 0.005 |
| 1/2/2018 | 0 | 0.006 |
| 1/3/2018 | 0 | 0.125 |
| 1/4/2018 | 0 | 0.121 |
| 1/5/2018 | 0 | 0.397 |
| 1/6/2018 | 0 | 0.003 |
| 1/7/2018 | 0.22 | 0.22 |
| 1/8/2018 | 0 | 0.003 |
| 1/9/2018 | 0 | 0.001 |
| 1/10/2018 | 0 | 0.001 |
| 1/11/2018 | 0 | 0.007 |
| 1/12/2018 | 0 | 0.387 |
| 1/13/2018 | 0 | 0.569 |
| 1/14/2018 | 0 | 0.364 |
| 1/15/2018 | 0 | 0.381 |
| 1/16/2018 | 0 | 0.063 |
| 1/17/2018 | 0 | 0.053 |
| 1/18/2018 | 0 | 0.117 |
| 1/19/2018 | 0 | 0.001 |
| 1/20/2018 | 0 | 0.169 |
| 1/21/2018 | 0 | 0 |
| 1/22/2018 | 0 | 0.159 |
| 1/23/2018 | 0 | 0.241 |
| 1/24/2018 | 0 | 0.416 |
| 1/25/2018 | 0 | 0.275 |
| 1/26/2018 | 0.03 | 0.334 |
| 1/27/2018 | 0 | 0.51 |
| 1/28/2018 | 0 | 0.277 |
| 1/29/2018 | 0 | 0.199 |
| 1/30/2018 | 0 | 0.363 |
| 1/31/2018 | 0 | 0.332 |
| 2/1/2018 | 0 | 0.422 |
| 2/2/2018 | 0 | 0.235 |
| 2/3/2018 | 0 | 0.477 |
| 2/4/2018 | 0 | 0.855 |
| 2/5/2018 | 0 | 0.039 |
| 2/6/2018 | 0 | 0.65 |
| 2/7/2018 | 0 | 0.592 |
| 2/8/2018 | 0 | 0.255 |
| 2/9/2018 | 0 | 0.312 |
| 2/10/2018 | 0 | 0.17 |
| 2/11/2018 | 0 | 0.279 |
| 2/12/2018 | 0 | 0.145 |
| 2/13/2018 | 0 | 0.539 |
| 2/14/2018 | 0.03 | 0.17 |
| 2/15/2018 | 0 | 0.001 |

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| | | |
|-----------|------|-------|
| 2/16/2018 | 0 | 0.015 |
| 2/17/2018 | 0.43 | 0.436 |
| 2/18/2018 | 0.04 | 0.04 |
| 2/19/2018 | 0.13 | 0.43 |
| 2/20/2018 | 2.15 | 1.433 |
| 2/21/2018 | 0 | 0.354 |
| 2/22/2018 | 0.78 | 0.846 |
| 2/23/2018 | 1.83 | 1.366 |
| 2/24/2018 | 1.06 | 0.522 |
| 2/25/2018 | 0 | 0.471 |
| 2/26/2018 | 0 | 0.772 |
| 2/27/2018 | 0.74 | 0.761 |
| 2/28/2018 | 0.31 | 1.264 |
| 3/1/2018 | 0.03 | 0.684 |
| 3/2/2018 | 0 | 0.352 |
| 3/3/2018 | 0 | 0.355 |
| 3/4/2018 | 0 | 0.283 |
| 3/5/2018 | 0 | 0.402 |
| 3/6/2018 | 0 | 0.248 |
| 3/7/2018 | 0 | 0.291 |
| 3/8/2018 | 0 | 0.368 |
| 3/9/2018 | 0 | 0.237 |
| 3/10/2018 | 0 | 0.812 |
| 3/11/2018 | 0 | 0.415 |
| 3/12/2018 | 0 | 0.254 |
| 3/13/2018 | 0 | 0.432 |
| 3/14/2018 | 0 | 0.346 |
| 3/15/2018 | 0 | 0.267 |
| 3/16/2018 | 0 | 0.383 |
| 3/17/2018 | 0.01 | 0.533 |
| 3/18/2018 | 0 | 0.345 |
| 3/19/2018 | 0.15 | 0.247 |
| 3/20/2018 | 0 | 0.334 |
| 3/21/2018 | 0 | 0.281 |
| 3/22/2018 | 0 | 0.322 |
| 3/23/2018 | 0 | 0.337 |
| 3/24/2018 | 0 | 0.581 |
| 3/25/2018 | 0 | 0.443 |
| 3/26/2018 | 0.36 | 0.673 |
| 3/27/2018 | 1.53 | 1.089 |
| 3/28/2018 | 0.16 | 0.567 |
| 3/29/2018 | 0.04 | 0.598 |
| 3/30/2018 | 0 | 0.686 |
| 3/31/2018 | 0 | 0.58 |
| 4/1/2018 | 0.09 | 0.373 |

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

January 2018
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 | 23 | 8 | 15.0 | 1.1 | 49 | 0 | 69 | 36 | 55 | 0.00 | 29.78 | 30.74 | NE | 10.6 | 24.4 | 12.82 | 35.7 | 31.6 | 33 | 31 |
| 2 | 23 | 10 | 17.4 | 4.3 | 49 | 0 | 75 | 42 | 57 | 0.00 | 29.62 | 30.58 | NNE | 5.5 | 13.5 | 3.98 | 34.5 | 30.1 | 31 | 29 |
| 3 | 46 | 12 | 27.4 | 12.6 | 36 | 0 | 79 | 32 | 56 | 0.00 | 29.40 | 30.35 | NNW | 7.4 | 27.3 | 13.00 | 34.2 | 30.1 | 32 | 28 |
| 4 | 44 | 18 | 28.8 | 15.9 | 34 | 0 | 86 | 32 | 62 | 0.00 | 29.38 | 30.33 | NNE | 3.8 | 11.7 | 11.46 | 34.7 | 31.1 | 32 | 30 |
| 5 | 57 | 18 | 35.8 | 22.7 | 27 | 0 | 92 | 31 | 64 | 0.00 | 29.33 | 30.28 | SW | 3.9 | 12.8 | 12.93 | 36.7 | 31.3 | 32 | 31 |
| 6 | 60 | 29 | 44.5 | 31.6 | 20 | 0 | 81 | 44 | 62 | 0.00 | 29.30 | 30.25 | SSE | 8.2 | 21.9 | 12.22 | 40.0 | 35.5 | 42 | 32 |
| 7 | 54 | 46 | 50.1 | 42.5 | 15 | 0 | 100 | 49 | 77 | 0.23 | 29.01 | 29.95 | SSE | 11.8 | 33.0 | 0.64 | 44.2 | 42.9 | 46 | 40 |
| 8 | 59 | 30 | 44.0 | 36.2 | 21 | 0 | 97 | 48 | 76 | 0.00 | 29.18 | 30.12 | N | 8.5 | 23.0 | 13.09 | 44.9 | 44.0 | 50 | 39 |
| 9 | 48 | 27 | 38.7 | 37.6 | 28 | 0 | 100 | 81 | 96 | 0.01 | 29.13 | 30.07 | SE | 7.5 | 21.1 | 4.89 | 43.5 | 41.3 | 46 | 37 |
| 10 | 55 | 42 | 48.1 | 44.4 | 16 | 0 | 96 | 70 | 87 | 0.00 | 28.88 | 29.82 | SSE | 14.5 | 30.5 | 6.30 | 46.1 | 45.4 | 49 | 43 |
| 11 | 57 | 20 | 40.1 | 33.3 | 26 | 0 | 99 | 56 | 77 | 0.00 | 28.94 | 29.88 | NNW | 16.3 | 38.3 | 6.37 | 46.7 | 45.3 | 49 | 37 |
| 12 | 39 | 16 | 26.0 | 9.9 | 37 | 0 | 70 | 29 | 52 | 0.00 | 29.35 | 30.30 | NNW | 10.2 | 23.2 | 13.75 | 39.5 | 34.7 | 37 | 33 |
| 13 | 40 | 23 | 29.3 | 10.2 | 33 | 0 | 57 | 26 | 45 | 0.00 | 29.59 | 30.54 | N | 7.5 | 21.2 | 11.64 | 39.2 | 35.2 | 40 | 33 |
| 14 | 50 | 23 | 35.0 | 18.1 | 28 | 0 | 79 | 30 | 52 | 0.00 | 29.47 | 30.42 | SSE | 6.8 | 20.1 | 11.83 | 40.1 | 37.1 | 43 | 34 |
| 15 | 46 | 18 | 30.1 | 20.7 | 33 | 0 | 91 | 48 | 69 | 0.00 | 29.44 | 30.40 | NNE | 12.4 | 35.0 | 7.83 | 39.2 | 36.1 | 40 | 34 |
| 16 | 23 | 6 | 14.2 | 0.6 | 51 | 0 | 81 | 35 | 56 | 0.00 | 29.78 | 30.74 | N | 10.6 | 26.3 | 14.36 | 36.3 | 32.6 | 35 | 32 |
| 17 | 32 | 2 | 16.1 | 4.0 | 48 | 0 | 88 | 28 | 63 | 0.00 | 29.70 | 30.66 | SSE | 3.6 | 11.2 | 14.39 | 34.5 | 30.7 | 32 | 29 |
| 18 | 47 | 8 | 27.5 | 11.1 | 38 | 0 | 88 | 23 | 55 | 0.00 | 29.44 | 30.39 | S | 6.8 | 17.7 | 14.14 | 34.3 | 30.8 | 32 | 29 |
| 19 | 57 | 23 | 41.1 | 29.6 | 25 | 0 | 82 | 45 | 64 | 0.00 | 29.14 | 30.09 | S | 11.3 | 26.7 | 13.91 | 36.6 | 33.1 | 38 | 31 |
| 20 | 70 | 48 | 57.4 | 49.6 | 6 | 0 | 100 | 46 | 77 | 0.00 | 28.97 | 29.91 | SSE | 14.9 | 30.1 | 13.53 | 44.6 | 46.3 | 54 | 39 |
| 21 | 72 | 56 | 63.3 | 49.3 | 1 | 0 | 92 | 13 | 67 | 0.00 | 28.85 | 29.79 | S | 14.6 | 36.8 | 4.26 | 49.8 | 52.5 | 56 | 50 |
| 22 | 57 | 37 | 45.9 | 23.4 | 18 | 0 | 65 | 16 | 43 | 0.00 | 28.98 | 29.92 | W | 14.4 | 37.3 | 13.33 | 46.6 | 47.0 | 51 | 42 |
| 23 | 57 | 27 | 40.4 | 17.7 | 23 | 0 | 68 | 19 | 43 | 0.00 | 29.28 | 30.23 | NW | 6.9 | 18.6 | 15.07 | 43.6 | 43.2 | 51 | 37 |
| 24 | 61 | 25 | 40.8 | 20.4 | 22 | 0 | 82 | 20 | 48 | 0.00 | 29.44 | 30.39 | NW | 4.8 | 14.1 | 15.14 | 43.1 | 42.9 | 52 | 36 |
| 25 | 66 | 21 | 44.7 | 22.6 | 22 | 0 | 94 | 15 | 50 | 0.00 | 29.37 | 30.31 | SSE | 8.3 | 27.0 | 15.45 | 43.0 | 43.3 | 52 | 36 |
| 26 | 59 | 45 | 52.2 | 43.6 | 13 | 0 | 90 | 42 | 73 | 0.02 | 29.20 | 30.14 | SSE | 9.5 | 21.9 | 1.95 | 45.8 | 46.8 | 50 | 45 |
| 27 | 63 | 32 | 52.0 | 30.6 | 18 | 0 | 93 | 14 | 51 | 0.00 | 29.28 | 30.23 | NNE | 10.8 | 28.1 | 15.30 | 48.6 | 50.9 | 57 | 46 |
| 28 | 63 | 25 | 43.8 | 17.1 | 21 | 0 | 84 | 12 | 41 | 0.00 | 29.37 | 30.32 | N | 5.3 | 13.9 | 15.85 | 45.2 | 45.8 | 55 | 38 |
| 29 | 49 | 28 | 37.2 | 19.8 | 27 | 0 | 76 | 29 | 52 | 0.00 | 29.55 | 30.51 | NNW | 11.4 | 27.2 | 15.28 | 44.1 | 44.1 | 50 | 39 |
| 30 | 56* | 20* | 39.2* | 21.3* | 27* | 0* | 88* | 27* | 52* | 0.00* | 29.36* | 30.31* | SSE* | 9.6* | 26.4* | 13.88* | 42.5* | 42.1* | 49* | 36* |
| 31 | 74 | 38 | 55.1 | 35.2 | 9 | 0 | 71 | 25 | 49 | 0.00 | 28.94 | 29.88 | S | 13.2 | 31.0 | 15.82 | 45.4 | 47.6 | 57 | 41 |
| | 52* | 25* | 38.1* | 23.8* | <- Monthly Averages -> | | | | | | 29.30* | 30.25* | SSE* | 9.4* | 38.3* | 11.43* | 41.4* | 39.7* | 44* | 36* |

Temperature - Highest: 74*
Lowest: 2*

Degree Days - Total HDD: 821*
Total CDD: 0*

Rainfall: Monthly Total: 0.26* in.
Greatest 24 Hr: 0.23* in.

Humidity - Highest: 100*
Lowest: 12*

Number of Days With:
Tmax ≥ 90: 0* Rainfall ≥ 0.01 inch: 3*
Tmax ≤ 32: 4* Rainfall ≥ 0.10 inch: 1*
Tmin ≤ 32: 24* Avg Wind Speed ≥ 10 mph: 14*
Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 8*

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Monthly data generated on Tuesday, March 13, 2018 at 17:08 UTC

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Oklahoma Water Resources Board

* Denotes incomplete record

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

February 2018
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 | 55 | 33 | 46.5 | 27.0 | 21 | 0 | 87 | 31 | 49 | 0.00 | 29.16 | 30.10 | NNE | 15.2 | 37.3 | 12.30 | 46.4 | 48.0 | 52 | 44 |
| 2 | 49 | 29 | 36.5 | 12.5 | 26 | 0 | 47 | 22 | 38 | 0.00 | 29.49 | 30.44 | NNE | 7.5 | 23.2 | 13.48 | 44.2 | 44.5 | 52 | 40 |
| 3 | 57 | 31 | 41.9 | 27.3 | 21 | 0 | 91 | 35 | 58 | 0.00 | 29.06 | 30.01 | SSE | 8.9 | 29.7 | 10.87 | 43.8 | 43.9 | 50 | 39 |
| 4 | 54 | 20 | 41.1 | 31.7 | 28 | 0 | 100 | 45 | 72 | 0.00 | 29.14 | 30.09 | NNE | 10.8 | 32.7 | 15.19 | 46.4 | 47.4 | 54 | 41 |
| 5 | 39 | 14 | 26.3 | 19.3 | 39 | 0 | 94 | 55 | 75 | 0.00 | 29.20 | 30.15 | NNE | 6.7 | 20.2 | 7.44 | 42.0 | 39.3 | 43 | 36 |
| 6 | 35 | 26 | 28.8 | 23.9 | 35 | 0 | 97 | 64 | 82 | 0.00 | 29.23 | 30.18 | NNE | 11.2 | 21.9 | 2.87 | 40.8 | 38.1 | 39 | 36 |
| 7 | 45 | 20 | 30.9 | 20.3 | 32 | 0 | 93 | 38 | 68 | 0.00 | 29.43 | 30.38 | N | 9.0 | 27.5 | 16.49 | 40.5 | 38.2 | 46 | 34 |
| 8 | 58 | 16 | 37.1 | 24.2 | 28 | 0 | 92 | 32 | 64 | 0.00 | 29.41 | 30.36 | SSE | 6.0 | 19.1 | 16.94 | 41.2 | 40.3 | 50 | 34 |
| 9 | 69 | 34 | 52.2 | 43.0 | 14 | 0 | 98 | 50 | 72 | 0.00 | 29.07 | 30.02 | SE | 8.1 | 26.2 | 15.86 | 45.4 | 46.9 | 56 | 39 |
| 10 | 54 | 23 | 28.7 | 26.1 | 27 | 0 | 98 | 59 | 90 | 0.01 | 29.05 | 30.00 | N * | NA | 24.7* | 3.05 | 44.3 | 42.2 | 50 | 37 |
| 11 | 37 | 20 | 26.3 | 16.9 | 37 | 0 | 88 | 40 | 69 | 0.00 | 29.24 | 30.19 | NNW* | NA | 24.0* | 11.45 | 40.2 | 37.4 | 43 | 35 |
| 12 | 47 | 17 | 30.9 | 22.9 | 33 | 0 | 96 | 41 | 75 | 0.00 | 29.45 | 30.40 | ENE | 7.3 | 19.9 | 14.05 | 39.7 | 37.7 | 45 | 33 |
| 13 | 47 | 34 | 40.3 | 33.8 | 25 | 0 | 100 | 61 | 78 | 0.01 | 29.44 | 30.39 | SE | 6.0 | 15.5 | 6.03 | 43.0 | 42.4 | 47 | 38 |
| 14 | 73 | 40 | 52.9 | 50.3 | 9 | 0 | 100 | 60 | 92 | 0.03 | 29.20 | 30.14 | S | 9.0 | 22.4 | 8.01 | 46.9 | 47.6 | 54 | 43 |
| 15 | 78 | 59 | 67.5 | 59.9 | 0 | 4 | 97 | 54 | 78 | 0.00 | 28.99 | 29.93 | S | 15.3 | 34.3 | 13.03 | 53.2 | 57.0 | 64 | 52 |
| 16 | 67 | 41 | 47.5 | 36.0 | 11 | 0 | 89 | 50 | 65 | 0.00 | 29.23 | 30.18 | N | 12.9 | 36.0 | 6.01 | 51.9 | 52.8 | 58 | 48 |
| 17 | 63 | 38 | 47.2 | 37.3 | 14 | 0 | 100 | 35 | 72 | 0.45 | 29.17 | 30.11 | NE | 6.7 | 20.9 | 15.97 | 49.8 | 49.9 | 57 | 45 |
| 18 | 58 | 38 | 47.1 | 46.4 | 17 | 0 | 100 | 84 | 97 | 0.03 | 29.08 | 30.02 | SE | 8.8 | 20.5 | 2.79 | 48.2 | 47.0 | 51 | 44 |
| 19 | 71 | 56 | 66.4 | 61.7 | 1 | 0 | 100 | 71 | 85 | 0.02 | 28.86 | 29.80 | S | 14.0 | 30.0 | 1.88 | 53.8 | 56.4 | 59 | 51 |
| 20 | 68 | 31 | 50.8 | 48.9 | 16 | 0 | 99 | 80 | 94 | 3.53 | 29.00 | 29.94 | N | 17.0 | 47.6 | 0.68 | 54.7 | 55.5 | 60 | 46 |
| 21 | 32 | 27 | 29.3 | 28.5 | 36 | 0 | 100 | 93 | 96 | 0.00 | 29.35 | 30.29 | N * | NA | 31.5* | 1.26 | 44.0 | 40.5 | 45 | 39 |
| 22 | 37 | 30 | 33.1 | 33.1 | 32 | 0 | 100 | 100 | 100 | 0.23 | 29.30 | 30.25 | W * | NA | 9.3* | 2.42 | 42.3 | 39.7 | 41 | 38 |
| 23 | 45 | 35 | 40.1 | 40.1 | 25 | 0 | 100 | 100 | 100 | 1.80 | 29.20 | 30.14 | NE | 4.7 | 15.9 | 1.44 | 43.5 | 41.9 | 44 | 41 |
| 24 | 58 | 40 | 47.4 | 44.2 | 16 | 0 | 100 | 61 | 89 | 0.66 | 28.95 | 29.89 | WNW | 6.6 | 32.4 | 10.76 | 47.1 | 47.6 | 54 | 44 |
| 25 | 64 | 28 | 47.5 | 37.5 | 19 | 0 | 100 | 34 | 73 | 0.00 | 29.08 | 30.02 | SSE | 6.3 | 22.2 | 20.01 | 47.6 | 48.0 | 56 | 40 |
| 26 | 67 | 36 | 51.5 | 42.7 | 14 | 0 | 100 | 42 | 75 | 0.00 | 29.23 | 30.18 | SE | 6.3 | 20.3 | 19.96 | 49.8 | 50.3 | 59 | 43 |
| 27 | 59 | 44 | 52.3 | 50.7 | 13 | 0 | 100 | 67 | 95 | 0.66 | 29.08 | 30.02 | ESE | 5.6 | 14.7 | 2.38 | 49.8 | 49.3 | 53 | 45 |
| 28 | 66 | 58 | 62.2 | 61.5 | 3 | 0 | 100 | 74 | 97 | 0.39 | 28.86 | 29.79 | S | 6.9 | 20.0 | 4.06 | 54.9 | 56.3 | 60 | 53 |
| | 55 | 33 | 43.2 | 36.0 | <- Monthly Averages -> | | | | | | 29.18 | 30.12 | N * | 9.0* | 47.6* | 9.17 | 46.3 | 45.9 | 52 | 41 |
| Temperature - Highest: 78 Lowest: 14 | | | | | | | Degree Days - Total HDD: 590 Total CDD: 4 | | | | | Number of Days With: Tmax ≥ 90: 0 Rainfall ≥ 0.01 inch: 12 Tmax ≤ 32: 1 Rainfall ≥ 0.10 inch: 7 Tmin ≤ 32: 14 Avg Wind Speed ≥ 10 mph: 7* Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 8* | | | | | | | | |
| Rainfall: Monthly Total: 7.82 in. Greatest 24 Hr: 3.53 in. | | | | | | | Humidity - Highest: 100 Lowest: 22 | | | | | | | | | | | | | |

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Monthly data generated on Tuesday, March 13, 2018 at 17:09 UTC

* Denotes incomplete record

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

March 2018
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 | 63 | 39 | 52.7 | 42.5 | 14 | 0 | 97 | 33 | 71 | 0.01 | 29.14 | 30.09 | N | 10.2 | 26.5 | 15.98 | 54.9 | 55.9 | 62 | 50 |
| 2 | 67 | 35 | 51.4 | 36.7 | 14 | 0 | 91 | 35 | 59 | 0.00 | 29.33 | 30.27 | SE | 7.4 | 21.6 | 21.16 | 52.2 | 51.1 | 60 | 43 |
| 3 | 70 | 42 | 56.2 | 43.8 | 9 | 0 | 94 | 46 | 65 | 0.00 | 29.23 | 30.18 | SE | 9.1 | 23.0 | 19.16 | 53.3 | 52.8 | 61 | 46 |
| 4 | 61 | 53 | 57.0 | 48.5 | 8 | 0 | 97 | 53 | 74 | 0.03 | 29.05 | 29.99 | SE | 8.4 | 22.5 | 3.01 | 54.4 | 53.8 | 55 | 52 |
| 5 | 65 | 36 | 56.4 | 35.4 | 15 | 0 | 96 | 17 | 53 | 0.00 | 28.99 | 29.93 | NNW | 11.9 | 40.9 | 19.87 | 54.8 | 54.5 | 58 | 47 |
| 6 | 62 | 31 | 48.2 | 17.9 | 19 | 0 | 83 | 14 | 35 | 0.00 | 29.17 | 30.11 | NW | 13.8 | 36.8 | 22.27 | 49.9 | 47.0 | 55 | 41 |
| 7 | 55 | 28 | 41.0 | 22.3 | 23 | 0 | 85 | 25 | 50 | 0.00 | 29.32 | 30.27 | NW | 7.1 | 22.1 | 21.99 | 48.4 | 45.6 | 55 | 38 |
| 8 | 65 | 26 | 46.9 | 28.0 | 19 | 0 | 93 | 22 | 54 | 0.00 | 29.19 | 30.14 | SSE | 6.3 | 18.5 | 18.43 | 49.2 | 46.7 | 57 | 38 |
| 9 | 74 | 47 | 59.3 | 46.2 | 5 | 0 | 84 | 46 | 63 | 0.00 | 28.90 | 29.84 | S | 12.1 | 32.3 | 18.92 | 52.5 | 51.5 | 60 | 44 |
| 10 | 77 | 53 | 63.6 | 55.5 | 0 | 0 | 98 | 46 | 77 | 0.00 | 28.82 | 29.76 | SSE | 6.0 | 18.9 | 14.01 | 56.6 | 57.5 | 65 | 52 |
| 11 | 61 | 40 | 53.4 | 36.8 | 15 | 0 | 90 | 36 | 55 | 0.00 | 29.15 | 30.10 | N | 16.4 | 38.9 | 19.67 | 55.6 | 54.4 | 59 | 48 |
| 12 | 59 | 33 | 44.1 | 28.3 | 19 | 0 | 88 | 23 | 58 | 0.00 | 29.36 | 30.31 | NNW | 7.5 | 17.5 | 22.83 | 51.9 | 49.2 | 59 | 41 |
| 13 | 60 | 28 | 44.1 | 26.9 | 21 | 0 | 93 | 22 | 56 | 0.00 | 29.35 | 30.30 | NNE | 7.9 | 22.5 | 22.02 | 50.6 | 47.9 | 58 | 40 |
| 14 | 66 | 26 | 47.3 | 23.4 | 19 | 0 | 86 | 17 | 47 | 0.00 | 29.27 | 30.22 | SSE | 6.1 | 18.9 | 22.79 | 51.0 | 49.4 | 62 | 39 |
| 15 | 74 | 38 | 58.8 | 41.8 | 9 | 0 | 81 | 36 | 55 | 0.00 | 28.94 | 29.88 | S | 13.5 | 33.8 | 19.97 | 52.8 | 53.6 | 64 | 43 |
| 16 | 80 | 47 | 66.6 | 39.8 | 1 | 0 | 90 | 13 | 47 | 0.00 | 28.82 | 29.76 | WSW | 13.1 | 36.0 | 23.45 | 57.6 | 62.0 | 72 | 55 |
| 17 | 67 | 45 | 56.4 | 37.3 | 9 | 0 | 74 | 32 | 50 | 0.01 | 28.98 | 29.92 | N | 9.1 | 23.1 | 15.07 | 55.1 | 57.5 | 66 | 51 |
| 18 | 68 | 46 | 58.4 | 52.2 | 8 | 0 | 99 | 61 | 80 | 0.00 | 28.85 | 29.78 | SE | 7.2 | 25.4 | 7.61 | 55.6 | 56.8 | 63 | 51 |
| 19 | 65 | 46 | 54.2 | 38.8 | 9 | 0 | 100 | 35 | 57 | 0.08 | 28.78 | 29.71 | NW | 14.5 | 32.5 | 20.73 | 56.2 | 57.4 | 65 | 50 |
| 20 | 62 | 38 | 49.5 | 33.7 | 15 | 0 | 83 | 29 | 58 | 0.00 | 29.06 | 30.00 | NW | 10.6 | 26.8 | 22.99 | 53.8 | 55.5 | 65 | 48 |
| 21 | 69* | 33* | 51.9* | 32.4* | 14* | 0* | 93* | 23* | 53* | 0.00* | 29.22* | 30.16* | E * | 5.1* | 14.1* | NA | 54.6* | 56.7* | 69* | 46* |
| 22 | 78 | 45 | 61.7 | 39.2 | 4 | 0 | 62 | 27 | 45 | 0.00 | 29.22 | 30.16 | SSE | 11.5 | 31.1 | 22.66 | 56.3 | 59.8 | 70 | 50 |
| 23 | 73 | 58 | 65.8 | 56.3 | 0 | 1 | 82 | 56 | 72 | 0.00 | 29.00 | 29.94 | S | 16.2 | 38.6 | 8.35 | 58.2 | 61.6 | 66 | 58 |
| 24 | 82 | 59 | 69.3 | 52.8 | 0 | 5 | 95 | 28 | 60 | 0.00 | 28.90 | 29.84 | SSW | 9.9 | 25.7 | 23.60 | 62.0 | 67.0 | 77 | 60 |
| 25 | 64 | 50 | 57.9 | 53.1 | 8 | 0 | 100 | 62 | 84 | 0.01 | 28.94 | 29.88 | NE | 8.8 | 20.9 | 4.14 | 58.9 | 60.8 | 64 | 58 |
| 26 | 77 | 60 | 67.0 | 62.0 | 0 | 3 | 97 | 63 | 85 | 0.14 | 28.91 | 29.85 | SE | 9.5 | 34.8 | 5.75 | 61.2 | 63.3 | 68 | 60 |
| 27 | 67 | 49 | 58.1 | 56.9 | 7 | 0 | 100 | 83 | 96 | 2.23 | 29.04 | 29.98 | NNE | 7.7 | 26.2 | 2.17 | 60.9 | 61.6 | 64 | 58 |
| 28 | 57 | 48 | 52.9 | 52.3 | 12 | 0 | 100 | 92 | 98 | 0.13 | 28.95 | 29.88 | ENE | 5.7 | 17.6 | 5.35 | 57.9 | 57.8 | 60 | 55 |
| 29 | 64 | 46 | 55.6 | 48.1 | 10 | 0 | 100 | 48 | 78 | 0.03 | 29.00 | 29.94 | N | 8.2 | 22.7 | 17.68 | 59.0 | 59.7 | 66 | 55 |
| 30 | 65 | 40 | 51.8 | 40.7 | 12 | 0 | 97 | 38 | 69 | 0.00 | 29.30 | 30.25 | N | 5.6 | 14.7 | 22.36 | 58.0 | 56.9 | 65 | 50 |
| 31 | 77 | 47 | 63.3 | 51.9 | 3 | 0 | 96 | 50 | 68 | 0.27 | 29.09 | 30.03 | S | 10.7 | 34.6 | 20.42 | 59.7 | 58.4 | 66 | 51 |
| | 68* | 42* | 55.5* | 41.3* | <- Monthly Averages -> | | | | | | 29.07* | 30.02* | SE * | 9.6* | 40.9* | 16.81* | 55.3* | 55.6* | 63* | 49* |
| Temperature - Highest: 82* | | | | | | | Degree Days - Total HDD: 322* | | | | | Number of Days With: Tmax ≥ 90: 0* Rainfall ≥ 0.01 inch: 10* Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 4* Tmin ≤ 32: 5* Avg Wind Speed ≥ 10 mph: 12* Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 11* | | | | | | | | |
| Lowest: 26* | | | | | | | Total CDD: 9* | | | | | | | | | | | | | |
| Rainfall: Monthly Total: 2.94* in. | | | | | | | Humidity - Highest: 100* | | | | | | | | | | | | | |
| Greatest 24 Hr: 2.23* in. | | | | | | | Lowest: 13* | | | | | | | | | | | | | |

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| Date | Reference ET, Short [in] | Reference ET, Tall [in] | Cool Season Grass ET [in] | Warm Season Grass ET [in] | Pan Evaporation [in] |
|------------|--------------------------|-------------------------|---------------------------|---------------------------|----------------------|
| 2018-05-06 | 0.22 | 0.27 | 0.21 | 0.14 | 0.28 |
| 2018-05-05 | 0.21 | 0.24 | 0.19 | 0.13 | 0.25 |
| 2018-05-04 | 0.09 | 0.11 | 0.09 | 0.06 | 0.11 |
| 2018-05-03 | 0.09 | 0.11 | 0.08 | 0.05 | 0.11 |
| 2018-05-02 | 0.11 | 0.14 | 0.10 | 0.07 | 0.15 |
| 2018-05-01 | 0.12 | 0.16 | 0.11 | 0.07 | 0.16 |
| 2018-04-30 | 0.22 | 0.30 | 0.21 | 0.14 | 0.31 |
| 2018-04-29 | 0.22 | 0.28 | 0.20 | 0.14 | 0.29 |
| 2018-04-28 | 0.20 | 0.25 | 0.19 | 0.12 | 0.25 |
| 2018-04-27 | 0.20 | 0.25 | 0.19 | 0.12 | 0.25 |
| 2018-04-26 | 0.16 | 0.19 | 0.15 | 0.10 | 0.20 |
| 2018-04-25 | 0.08 | 0.11 | 0.07 | 0.05 | 0.10 |
| 2018-04-24 | 0.19 | 0.23 | 0.18 | 0.12 | 0.24 |
| 2018-04-23 | 0.18 | 0.23 | 0.16 | 0.11 | 0.23 |
| 2018-04-22 | 0.10 | 0.13 | 0.09 | 0.06 | 0.13 |
| 2018-04-21 | 0.05 | 0.07 | 0.04 | 0.03 | 0.06 |
| 2018-04-20 | 0.19 | 0.25 | 0.18 | 0.12 | 0.26 |
| 2018-04-19 | 0.19 | 0.26 | 0.18 | 0.12 | 0.27 |
| 2018-04-18 | 0.25 | 0.36 | 0.24 | 0.16 | 0.39 |
| 2018-04-17 | 0.26 | 0.37 | 0.25 | 0.16 | 0.39 |
| 2018-04-16 | 0.21 | 0.30 | 0.20 | 0.13 | 0.29 |
| 2018-04-15 | 0.18 | 0.26 | 0.17 | 0.11 | 0.27 |
| 2018-04-14 | 0.19 | 0.28 | 0.18 | 0.12 | 0.30 |
| 2018-04-13 | 0.15 | 0.22 | 0.14 | 0.09 | 0.20 |
| 2018-04-12 | 0.23 | 0.33 | 0.21 | 0.14 | 0.35 |
| 2018-04-11 | 0.24 | 0.35 | 0.22 | 0.15 | 0.35 |
| 2018-04-10 | 0.17 | 0.21 | 0.15 | 0.10 | 0.21 |
| 2018-04-09 | 0.17 | 0.22 | 0.16 | 0.11 | 0.22 |
| 2018-04-08 | 0.06 | 0.07 | 0.05 | 0.04 | 0.07 |
| 2018-04-07 | 0.06 | 0.08 | 0.05 | 0.03 | 0.08 |
| 2018-04-06 | 0.11 | 0.15 | 0.10 | 0.07 | 0.14 |
| 2018-04-05 | 0.15 | 0.21 | 0.14 | 0.09 | 0.20 |
| 2018-04-04 | 0.16 | 0.22 | 0.15 | 0.10 | 0.22 |
| 2018-04-03 | 0.23 | 0.33 | 0.21 | 0.14 | 0.34 |
| 2018-04-02 | 0.05 | 0.06 | 0.04 | 0.03 | 0.06 |
| 2018-04-01 | 0.07 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-03-31 | 0.17 | 0.23 | 0.16 | 0.11 | 0.23 |
| 2018-03-30 | 0.13 | 0.16 | 0.12 | 0.08 | 0.16 |
| 2018-03-29 | 0.11 | 0.13 | 0.10 | 0.07 | 0.13 |
| 2018-03-28 | 0.04 | 0.04 | 0.03 | 0.02 | 0.04 |
| 2018-03-27 | 0.03 | 0.04 | 0.03 | 0.02 | 0.04 |
| 2018-03-26 | 0.09 | 0.13 | 0.08 | 0.06 | 0.11 |
| 2018-03-25 | 0.06 | 0.07 | 0.05 | 0.03 | 0.07 |
| 2018-03-24 | 0.22 | 0.30 | 0.20 | 0.13 | 0.29 |
| 2018-03-23 | 0.13 | 0.20 | 0.12 | 0.08 | 0.19 |
| 2018-03-22 | 0.22 | 0.32 | 0.21 | 0.14 | 0.32 |
| 2018-03-21 | 0.14 | 0.18 | 0.13 | 0.09 | 0.18 |
| 2018-03-20 | 0.15 | 0.22 | 0.14 | 0.10 | 0.21 |
| 2018-03-19 | 0.17 | 0.24 | 0.16 | 0.10 | 0.24 |

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|------------|------|------|------|------|------|
| 2018-03-18 | 0.08 | 0.10 | 0.07 | 0.05 | 0.09 |
| 2018-03-17 | 0.15 | 0.22 | 0.14 | 0.09 | 0.21 |
| 2018-03-16 | 0.25 | 0.37 | 0.23 | 0.15 | 0.36 |
| 2018-03-15 | 0.19 | 0.27 | 0.17 | 0.12 | 0.27 |
| 2018-03-14 | 0.14 | 0.19 | 0.13 | 0.08 | 0.18 |
| 2018-03-13 | 0.13 | 0.18 | 0.12 | 0.08 | 0.17 |
| 2018-03-12 | 0.13 | 0.18 | 0.12 | 0.08 | 0.17 |
| 2018-03-11 | 0.15 | 0.21 | 0.14 | 0.09 | 0.22 |
| 2018-03-10 | 0.11 | 0.14 | 0.10 | 0.07 | 0.14 |
| 2018-03-09 | 0.17 | 0.24 | 0.16 | 0.10 | 0.23 |
| 2018-03-08 | 0.12 | 0.17 | 0.11 | 0.08 | 0.16 |
| 2018-03-07 | 0.11 | 0.16 | 0.10 | 0.07 | 0.15 |
| 2018-03-06 | 0.18 | 0.28 | 0.17 | 0.11 | 0.29 |
| 2018-03-05 | 0.14 | 0.21 | 0.13 | 0.09 | 0.21 |
| 2018-03-04 | 0.07 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-03-03 | 0.14 | 0.19 | 0.13 | 0.09 | 0.18 |
| 2018-03-02 | 0.13 | 0.18 | 0.12 | 0.08 | 0.17 |
| 2018-03-01 | 0.10 | 0.14 | 0.10 | 0.06 | 0.14 |
| 2018-02-28 | 0.03 | 0.03 | 0.03 | 0.02 | 0.04 |
| 2018-02-27 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 |
| 2018-02-26 | 0.10 | 0.13 | 0.10 | 0.06 | 0.13 |
| 2018-02-25 | 0.10 | 0.13 | 0.09 | 0.06 | 0.12 |
| 2018-02-24 | 0.06 | 0.08 | 0.06 | 0.04 | 0.08 |
| 2018-02-23 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 |
| 2018-02-22 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 |
| 2018-02-21 | 0.01 | 0.02 | 0.01 | 0.01 | 0.02 |
| 2018-02-20 | 0.06 | 0.09 | 0.05 | 0.03 | 0.08 |
| 2018-02-19 | 0.04 | 0.06 | 0.04 | 0.03 | 0.06 |
| 2018-02-18 | 0.04 | 0.05 | 0.03 | 0.02 | 0.04 |
| 2018-02-17 | 0.10 | 0.14 | 0.09 | 0.06 | 0.12 |
| 2018-02-16 | 0.14 | 0.22 | 0.13 | 0.09 | 0.19 |
| 2018-02-15 | 0.14 | 0.20 | 0.13 | 0.09 | 0.19 |
| 2018-02-14 | 0.09 | 0.13 | 0.08 | 0.06 | 0.11 |
| 2018-02-13 | 0.04 | 0.06 | 0.04 | 0.03 | 0.05 |
| 2018-02-12 | 0.06 | 0.09 | 0.06 | 0.04 | 0.08 |
| 2018-02-11 | 0.05 | 0.08 | 0.05 | 0.03 | 0.07 |
| 2018-02-10 | 0.08 | 0.13 | 0.08 | 0.05 | 0.11 |
| 2018-02-09 | 0.10 | 0.14 | 0.09 | 0.06 | 0.13 |
| 2018-02-08 | 0.08 | 0.12 | 0.08 | 0.05 | 0.11 |
| 2018-02-07 | 0.07 | 0.10 | 0.07 | 0.04 | 0.09 |
| 2018-02-06 | 0.03 | 0.05 | 0.03 | 0.02 | 0.04 |
| 2018-02-05 | 0.04 | 0.05 | 0.04 | 0.02 | 0.05 |
| 2018-02-04 | 0.07 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-02-03 | 0.09 | 0.14 | 0.09 | 0.06 | 0.13 |
| 2018-02-02 | 0.09 | 0.14 | 0.09 | 0.06 | 0.13 |
| 2018-02-01 | 0.12 | 0.18 | 0.11 | 0.07 | 0.18 |
| 2018-01-31 | 0.18 | 0.28 | 0.16 | 0.11 | 0.26 |
| 2018-01-30 | 0.10 | 0.15 | 0.09 | 0.06 | 0.13 |
| 2018-01-29 | 0.09 | 0.14 | 0.09 | 0.06 | 0.13 |
| | | | | | |

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Oklahoma Water Resources Board

| | | | | | |
|------------|------|------|------|------|------|
| 2018-01-28 | 0.09 | 0.14 | 0.09 | 0.06 | 0.13 |
| 2018-01-27 | 0.12 | 0.18 | 0.11 | 0.07 | 0.17 |
| 2018-01-26 | 0.06 | 0.09 | 0.06 | 0.04 | 0.08 |
| 2018-01-25 | 0.12 | 0.19 | 0.11 | 0.07 | 0.16 |
| 2018-01-24 | 0.08 | 0.12 | 0.07 | 0.05 | 0.10 |
| 2018-01-23 | 0.09 | 0.14 | 0.09 | 0.06 | 0.13 |
| 2018-01-22 | 0.13 | 0.21 | 0.12 | 0.08 | 0.20 |
| 2018-01-21 | 0.14 | 0.22 | 0.13 | 0.08 | 0.19 |
| 2018-01-20 | 0.11 | 0.17 | 0.11 | 0.07 | 0.16 |
| 2018-01-19 | 0.08 | 0.13 | 0.08 | 0.05 | 0.11 |
| 2018-01-18 | 0.06 | 0.09 | 0.06 | 0.04 | 0.08 |
| 2018-01-17 | 0.03 | 0.04 | 0.03 | 0.02 | 0.04 |
| 2018-01-16 | 0.04 | 0.06 | 0.04 | 0.02 | 0.05 |
| 2018-01-15 | 0.07 | 0.11 | 0.06 | 0.04 | 0.09 |
| 2018-01-14 | 0.07 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-01-13 | 0.06 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-01-12 | 0.06 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-01-11 | 0.08 | 0.12 | 0.07 | 0.05 | 0.11 |
| 2018-01-10 | 0.05 | 0.07 | 0.04 | 0.03 | 0.06 |
| 2018-01-09 | 0.02 | 0.02 | 0.02 | 0.01 | 0.03 |
| 2018-01-08 | 0.07 | 0.10 | 0.06 | 0.04 | 0.09 |
| 2018-01-07 | 0.06 | 0.08 | 0.05 | 0.03 | 0.07 |
| 2018-01-06 | 0.08 | 0.13 | 0.08 | 0.05 | 0.11 |
| 2018-01-05 | 0.05 | 0.08 | 0.05 | 0.03 | 0.06 |
| 2018-01-04 | 0.04 | 0.05 | 0.04 | 0.02 | 0.05 |
| 2018-01-03 | 0.06 | 0.09 | 0.06 | 0.04 | 0.08 |
| 2018-01-02 | 0.03 | 0.04 | 0.02 | 0.02 | 0.03 |
| 2018-01-01 | 0.04 | 0.06 | 0.04 | 0.02 | 0.05 |
| 2017-12-31 | 0.03 | 0.05 | 0.03 | 0.02 | 0.05 |
| 2017-12-30 | 0.03 | 0.04 | 0.03 | 0.02 | 0.04 |
| 2017-12-29 | 0.04 | 0.06 | 0.04 | 0.03 | 0.05 |
| 2017-12-28 | 0.03 | 0.04 | 0.03 | 0.02 | 0.04 |
| 2017-12-27 | 0.04 | 0.06 | 0.04 | 0.02 | 0.05 |
| 2017-12-26 | 0.05 | 0.08 | 0.05 | 0.03 | 0.07 |
| 2017-12-25 | 0.05 | 0.07 | 0.04 | 0.03 | 0.06 |
| 2017-12-24 | 0.04 | 0.06 | 0.04 | 0.02 | 0.05 |
| 2017-12-23 | 0.04 | 0.06 | 0.04 | 0.02 | 0.05 |
| 2017-12-22 | 0.04 | 0.06 | 0.04 | 0.02 | 0.05 |
| 2017-12-21 | 0.10 | 0.16 | 0.09 | 0.06 | 0.13 |
| 2017-12-20 | 0.03 | 0.03 | 0.03 | 0.02 | 0.03 |
| 2017-12-19 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 |
| 2017-12-18 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 |
| 2017-12-17 | 0.02 | 0.02 | 0.02 | 0.01 | 0.02 |
| 2017-12-16 | 0.09 | 0.14 | 0.08 | 0.05 | 0.11 |
| 2017-12-15 | 0.06 | 0.09 | 0.05 | 0.04 | 0.07 |
| 2017-12-14 | 0.08 | 0.13 | 0.08 | 0.05 | 0.12 |
| 2017-12-13 | 0.09 | 0.14 | 0.08 | 0.06 | 0.12 |
| 2017-12-12 | 0.07 | 0.12 | 0.07 | 0.05 | 0.10 |
| 2017-12-11 | 0.13 | 0.21 | 0.12 | 0.08 | 0.18 |
| 2017-12-10 | 0.11 | 0.19 | 0.11 | 0.07 | 0.15 |

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Mill Creek Water Levels First Quarter 2018

