
***Lake Thunderbird TMDL Monitoring Plan Implementation:
Sample Year (SY) 2016- February Report***



SY2016 Monthly Report

Lake Thunderbird TMDL Monitoring Plan Implementation:

February 2017 Monitoring Report

Oklahoma Water Resources Board
Water Quality Programs Division
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SUMMARY OF FEBRUARY WATER QUALITY SAMPLING

Sampling for February 2017 occurred on the sixth and seventh and was considered a base flow collection. All sites were at or near stage levels where greater than five discharge measurements have been collected this year. Water quality measurements were also made at the ten designated monitoring stations. All water level gages were operational for the month with the exception of CC-1 and LRC-1. LRC-1 is recording data, but not transmitting, as a result of technical issues. CC-1, however, started transmitting data on the afternoon of the twenty-first. Mesonet data for Norman shows a total of 2.7 inches of rainfall for the month of February with 0.02 inches of precipitation in the 72 hours preceding and no precipitation following the sampling event.

RESULTS

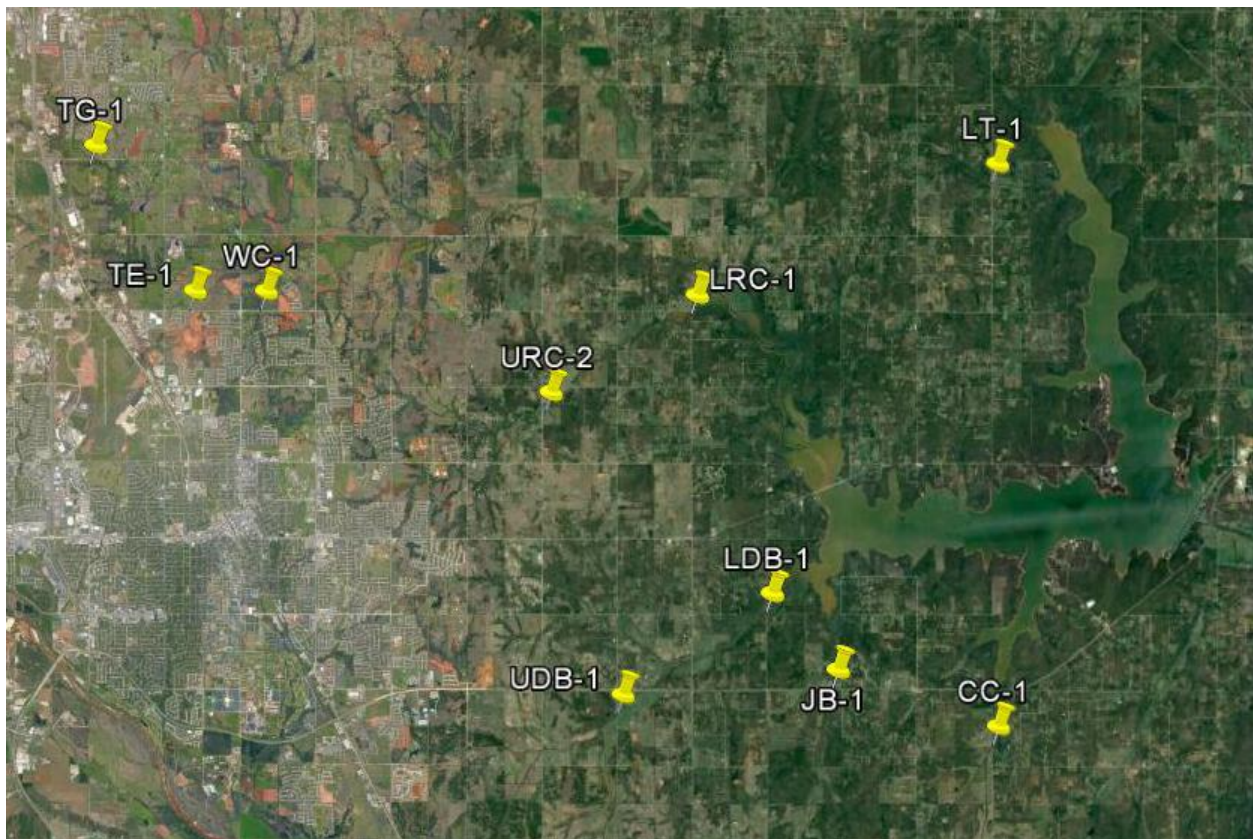


Figure 1 Monitoring Station Map

Field Data Form

Field Measurement Record

Reviewed By: _____ **JM** _____

| Station | Date | Time | Field Crew | Temp C° | DO mg/L | SpC µS | pH | Turb (NTU) | Notes |
|---------|----------|-------|------------|---------|---------|--------|-----|------------|---|
| cc-1 | 2/7/2017 | 10:15 | sd | 10.7 | 11.8 | 658.0 | 8.2 | 7.0 | |
| tg-1 | 2/6/2017 | 9:30 | sd | N/A | N/A | N/A | N/A | N/A | QA 33 |
| tg-1 | 2/6/2017 | 9:20 | sd | 8.6 | 10.1 | 1117.0 | 7.7 | 5.0 | |
| wc-1 | 2/6/2017 | 12:00 | sd | 8.7 | 8.5 | 958.0 | 7.6 | 7.0 | |
| te-1 | 2/6/2017 | 13:00 | sd | 13.2 | 11.4 | 686.0 | 8.2 | 61.0 | |
| urc-2 | 2/6/2017 | 14:35 | sd | 13.4 | 12.6 | 699.0 | 7.8 | 11.0 | |
| lrc-1 | 2/6/2017 | 15:35 | sd | 11.1 | 10.3 | 721.0 | 7.9 | 10.0 | |
| udb-1 | 2/7/2017 | 8:30 | sd | 10.4 | 6.1 | 993.0 | 7.8 | 13.0 | |
| jb-1 | 2/7/2017 | 11:50 | sd | 11.6 | 10.6 | 951.0 | 7.8 | 5.0 | grass fertilizer is being applied to the property next to the site. Approx 20 ft buffer between fertilizer and stream bank |
| ldb-1 | 2/7/2017 | 13:20 | sd | 11.9 | 14.0 | 921.0 | 8.2 | 13.0 | |
| lt-1 | 2/7/2017 | 15:10 | sd | 11.8 | 5.8 | 690.0 | 7.6 | 7.0 | not connected on us side of LEW culvert, barely flowing through REW culvert. Similar appearance on 2/6/17 @ approx 17:05 stage=1.96 may not be connected further ds |
| | | | | | | | | | |

Table 1 Field Data Form

| SITE NAME | QA CODE | TKN | NITRATE/NITRITE | TP | TSS |
|-----------|---------|--------|-----------------|--------|-------|
| TG-1 | 10 | <0.050 | 0.069 | 0.026 | 3.40 |
| CC-1 | 12 | <0.050 | <0.050 | <0.025 | <5.00 |
| CC-1 | 22 | <0.050 | <0.050 | <0.025 | <5.00 |
| JB-1 | 10 | <0.050 | <0.050 | <0.025 | <5.00 |
| UDB-1 | 10 | <0.050 | <0.050 | <0.025 | 7.86 |
| LDB-1 | 10 | <0.050 | <0.050 | <0.025 | 6.20 |
| LRC-1 | 10 | <0.050 | <0.050 | <0.025 | 5.00 |
| URC-2 | 10 | <0.050 | <0.050 | 0.038 | 21.6 |
| WC-1 | 10 | <0.050 | <0.050 | 0.052 | 5.20 |
| TE-1 | 10 | <0.050 | <0.050 | 0.060 | 41.2 |
| TG-1 | 33 | <0.050 | <0.050 | <0.025 | <2.50 |
| LT-1 | 10 | <0.050 | <0.050 | <0.025 | 3.0 |

Table 2 Laboratory Analysis Summary

| SITE | TG-1 | CC-1 | JB-1 | UDB-1 | LDB-1 | LRC-1 | URC-2 | WC-1 | TE-1 | LT-1 |
|-----------|-------|-------|--------|--------|-------|--------|-------|--------|-------|------|
| STAGE | 9.12 | 0.37 | 15.75 | 17.39 | 14.68 | 18.83 | 12.38 | 8.61 | 11.6 | 2.02 |
| DISCHARGE | 0.280 | 0.353 | -0.030 | -0.004 | 0.647 | -0.040 | 0.003 | -0.034 | 0.038 | 0 |

Table 3 Measured Discharge Summary

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name CC0207.WAD
Start Date and Time 2017/02/07 10:44:32

Site Details

Site Name CC
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|-------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 0.9% | 11.4% |
| Velocity | 3.1% | 28.7% |
| Width | 0.3% | 0.3% |
| Method | 4.6% | - |
| # Stations | 3.1% | - |
| Overall | 6.5% | 30.9% |

Summary

| | | | |
|-----------------|-------------|------------------------|---------------|
| Averaging Int. | 40 | # Stations | 16 |
| Start Edge | LEW | Total Width | 10.000 |
| Mean SNR | 45.7 dB | Total Area | 5.175 |
| Mean Temp | 52.04 °F | Mean Depth | 0.518 |
| Disch. Equation | Mid-Section | Mean Velocity | 0.0681 |
| | | Total Discharge | 0.3526 |

Supplemental Data

| # | Time | Location | Gauge Height | Rated Flow | Comments |
|---|-----------------------------|----------|--------------|------------|----------|
| 1 | Tue Feb 7 10:43:56 CST 2017 | 0.000 | 0.370 | | |

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----|-------|-------|--------|-------|------|-------|---------|----------|---------|-------|---------|-------|
| 0 | 10:44 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| 1 | 10:44 | 1.00 | 0.6 | 0.300 | 0.6 | 0.120 | 0.0003 | 1.00 | 0.0003 | 0.300 | 0.0001 | 0.0 |
| 2 | 10:45 | 2.00 | 0.6 | 0.450 | 0.6 | 0.180 | -0.0318 | 1.00 | -0.0318 | 0.450 | -0.0143 | -4.1 |
| 3 | 10:47 | 3.00 | 0.6 | 0.550 | 0.6 | 0.220 | -0.0810 | 1.00 | -0.0810 | 0.550 | -0.0446 | -12.6 |
| 4 | 10:48 | 4.00 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0761 | 1.00 | -0.0761 | 0.700 | -0.0533 | -15.1 |
| 5 | 10:49 | 5.00 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0013 | 1.00 | 0.0013 | 0.525 | 0.0007 | 0.2 |
| 6 | 10:51 | 5.50 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0328 | 1.00 | 0.0328 | 0.350 | 0.0115 | 3.3 |
| 7 | 10:52 | 6.00 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0046 | 1.00 | 0.0046 | 0.350 | 0.0016 | 0.5 |
| 8 | 10:53 | 6.50 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0666 | 1.00 | 0.0666 | 0.350 | 0.0233 | 6.6 |
| 9 | 10:54 | 7.00 | 0.6 | 0.500 | 0.6 | 0.200 | 0.1184 | 1.00 | 0.1184 | 0.250 | 0.0296 | 8.4 |
| 10 | 10:57 | 7.50 | 0.6 | 0.800 | 0.6 | 0.320 | 0.0161 | 1.00 | 0.0161 | 0.400 | 0.0064 | 1.8 |
| 11 | 11:01 | 8.00 | 0.6 | 0.600 | 0.6 | 0.240 | 0.3156 | 1.00 | 0.3156 | 0.300 | 0.0947 | 26.9 |
| 12 | 11:02 | 8.50 | 0.6 | 0.500 | 0.6 | 0.200 | 0.5223 | 1.00 | 0.5223 | 0.250 | 0.1306 | 37.0 |
| 13 | 11:03 | 9.00 | 0.6 | 0.400 | 0.6 | 0.160 | 0.4049 | 1.00 | 0.4049 | 0.200 | 0.0810 | 23.0 |
| 14 | 11:05 | 9.50 | 0.6 | 0.400 | 0.6 | 0.160 | 0.4268 | 1.00 | 0.4268 | 0.200 | 0.0854 | 24.2 |
| 15 | 11:05 | 10.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 2 Discharge Summary CC-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name JB0207.WAD
Start Date and Time 2017/02/07 12:23:35

Site Details

Site Name JB
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|-------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 0.9% | 3.7% |
| Velocity | 7.9% | 45.7% |
| Width | 0.3% | 0.3% |
| Method | 4.4% | - |
| # Stations | 3.0% | - |
| Overall | 9.6% | 45.9% |

Summary

| | | | |
|-----------------|-------------|------------------------|----------------|
| Averaging Int. | 40 | # Stations | 17 |
| Start Edge | LEW | Total Width | 10.500 |
| Mean SNR | 50.5 dB | Total Area | 4.975 |
| Mean Temp | 54.75 °F | Mean Depth | 0.474 |
| Disch. Equation | Mid-Section | Mean Velocity | -0.0060 |
| | | Total Discharge | -0.0301 |

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----|-------|-------|--------|-------|------|-------|---------|----------|---------|-------|---------|-------|
| 0 | 12:23 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| 1 | 12:24 | 1.00 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0026 | 1.00 | -0.0026 | 0.400 | -0.0010 | 3.5 |
| 2 | 12:27 | 2.00 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0059 | 1.00 | -0.0059 | 0.450 | -0.0027 | 8.8 |
| 3 | 12:29 | 2.50 | 0.6 | 0.600 | 0.6 | 0.240 | 0.0013 | 1.00 | 0.0013 | 0.300 | 0.0004 | -1.3 |
| 4 | 12:30 | 3.00 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0105 | 1.00 | 0.0105 | 0.350 | 0.0037 | -12.2 |
| 5 | 12:31 | 3.50 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0157 | 1.00 | -0.0157 | 0.350 | -0.0055 | 18.3 |
| 6 | 12:32 | 4.00 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0075 | 1.00 | -0.0075 | 0.350 | -0.0026 | 8.8 |
| 7 | 12:33 | 4.50 | 0.6 | 0.750 | 0.6 | 0.300 | 0.0161 | 1.00 | 0.0161 | 0.375 | 0.0060 | -20.0 |
| 8 | 12:34 | 5.00 | 0.6 | 0.750 | 0.6 | 0.300 | 0.0131 | 1.00 | 0.0131 | 0.375 | 0.0049 | -16.4 |
| 9 | 12:35 | 5.50 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0085 | 1.00 | -0.0085 | 0.350 | -0.0030 | 9.9 |
| 10 | 12:36 | 6.00 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0236 | 1.00 | -0.0236 | 0.300 | -0.0071 | 23.6 |
| 11 | 12:37 | 6.50 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0105 | 1.00 | -0.0105 | 0.250 | -0.0026 | 8.7 |
| 12 | 12:38 | 7.00 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0292 | 1.00 | -0.0292 | 0.250 | -0.0073 | 24.3 |
| 13 | 12:39 | 7.50 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0131 | 1.00 | -0.0131 | 0.200 | -0.0026 | 8.7 |
| 14 | 12:40 | 8.00 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0259 | 1.00 | -0.0259 | 0.300 | -0.0078 | 25.9 |
| 15 | 12:43 | 9.00 | 0.6 | 0.300 | 0.6 | 0.120 | -0.0075 | 1.00 | -0.0075 | 0.375 | -0.0028 | 9.4 |
| 16 | 12:43 | 10.50 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 3 Discharge Summary JB-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name LDB0207.WAD
Start Date and Time 2017/02/07 13:54:18

Site Details

Site Name LDB
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|-------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 0.2% | 3.1% |
| Velocity | 1.4% | 11.5% |
| Width | 0.1% | 0.1% |
| Method | 1.8% | - |
| # Stations | 1.5% | - |
| Overall | 2.9% | 11.9% |

Summary

| | | | |
|-----------------|-------------|------------------------|---------------|
| Averaging Int. | 40 | # Stations | 34 |
| Start Edge | LEW | Total Width | 19.500 |
| Mean SNR | 35.0 dB | Total Area | 22.175 |
| Mean Temp | 54.44 °F | Mean Depth | 1.137 |
| Disch. Equation | Mid-Section | Mean Velocity | 0.0292 |
| | | Total Discharge | 0.6467 |

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|-----------|--------------|--------------|------------|--------------|------------|--------------|----------------|-------------|----------------|--------------|----------------|-------------|
| 0 | 13:54 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| <i>1</i> | <i>13:54</i> | <i>1.00</i> | <i>0.6</i> | <i>0.700</i> | <i>0.6</i> | <i>0.280</i> | <i>-0.0217</i> | <i>1.00</i> | <i>-0.0217</i> | <i>0.700</i> | <i>-0.0152</i> | <i>-2.3</i> |
| <i>2</i> | <i>13:55</i> | <i>2.00</i> | <i>0.6</i> | <i>1.000</i> | <i>0.6</i> | <i>0.400</i> | <i>-0.0020</i> | <i>1.00</i> | <i>-0.0020</i> | <i>0.750</i> | <i>-0.0015</i> | <i>-0.2</i> |
| <i>3</i> | <i>13:57</i> | <i>2.50</i> | <i>0.6</i> | <i>0.900</i> | <i>0.6</i> | <i>0.360</i> | <i>-0.0066</i> | <i>1.00</i> | <i>-0.0066</i> | <i>0.900</i> | <i>-0.0059</i> | <i>-0.9</i> |
| <i>4</i> | <i>14:00</i> | <i>4.00</i> | <i>0.6</i> | <i>1.700</i> | <i>0.6</i> | <i>0.680</i> | <i>0.0322</i> | <i>1.00</i> | <i>0.0322</i> | <i>1.700</i> | <i>0.0547</i> | <i>8.5</i> |
| 5 | 14:01 | 4.50 | 0.6 | 1.600 | 0.6 | 0.640 | 0.0597 | 1.00 | 0.0597 | 0.800 | 0.0478 | 7.4 |
| 6 | 14:03 | 5.00 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0640 | 1.00 | 0.0640 | 0.550 | 0.0352 | 5.4 |
| 7 | 14:04 | 5.50 | 0.6 | 1.500 | 0.6 | 0.600 | 0.0213 | 1.00 | 0.0213 | 0.750 | 0.0160 | 2.5 |
| <i>8</i> | <i>14:05</i> | <i>6.00</i> | <i>0.6</i> | <i>1.600</i> | <i>0.6</i> | <i>0.640</i> | <i>0.0256</i> | <i>1.00</i> | <i>0.0256</i> | <i>0.800</i> | <i>0.0205</i> | <i>3.2</i> |
| 9 | 14:06 | 6.50 | 0.6 | 1.700 | 0.6 | 0.680 | 0.0194 | 1.00 | 0.0194 | 0.850 | 0.0165 | 2.5 |
| <i>10</i> | <i>14:07</i> | <i>7.00</i> | <i>0.6</i> | <i>1.700</i> | <i>0.6</i> | <i>0.680</i> | <i>0.0285</i> | <i>1.00</i> | <i>0.0285</i> | <i>0.850</i> | <i>0.0243</i> | <i>3.8</i> |
| <i>11</i> | <i>14:08</i> | <i>7.50</i> | <i>0.6</i> | <i>1.900</i> | <i>0.6</i> | <i>0.760</i> | <i>0.0371</i> | <i>1.00</i> | <i>0.0371</i> | <i>0.950</i> | <i>0.0352</i> | <i>5.4</i> |
| <i>12</i> | <i>14:10</i> | <i>8.00</i> | <i>0.6</i> | <i>2.000</i> | <i>0.6</i> | <i>0.800</i> | <i>0.0459</i> | <i>1.00</i> | <i>0.0459</i> | <i>1.000</i> | <i>0.0459</i> | <i>7.1</i> |
| 13 | 14:11 | 8.50 | 0.6 | 1.600 | 0.6 | 0.640 | 0.0479 | 1.00 | 0.0479 | 0.800 | 0.0383 | 5.9 |
| <i>14</i> | <i>14:12</i> | <i>9.00</i> | <i>0.6</i> | <i>1.900</i> | <i>0.6</i> | <i>0.760</i> | <i>0.0295</i> | <i>1.00</i> | <i>0.0295</i> | <i>0.950</i> | <i>0.0281</i> | <i>4.3</i> |
| <i>15</i> | <i>14:13</i> | <i>9.50</i> | <i>0.6</i> | <i>1.700</i> | <i>0.6</i> | <i>0.680</i> | <i>0.0443</i> | <i>1.00</i> | <i>0.0443</i> | <i>0.850</i> | <i>0.0377</i> | <i>5.8</i> |
| <i>16</i> | <i>14:14</i> | <i>10.00</i> | <i>0.6</i> | <i>1.800</i> | <i>0.6</i> | <i>0.720</i> | <i>0.0449</i> | <i>1.00</i> | <i>0.0449</i> | <i>0.900</i> | <i>0.0404</i> | <i>6.3</i> |
| <i>17</i> | <i>14:16</i> | <i>10.50</i> | <i>0.6</i> | <i>1.900</i> | <i>0.6</i> | <i>0.760</i> | <i>0.0282</i> | <i>1.00</i> | <i>0.0282</i> | <i>0.950</i> | <i>0.0268</i> | <i>4.1</i> |
| 18 | 14:17 | 11.00 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0646 | 1.00 | 0.0646 | 0.450 | 0.0291 | 4.5 |
| 19 | 14:18 | 11.50 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0548 | 1.00 | 0.0548 | 0.450 | 0.0247 | 3.8 |
| 20 | 14:19 | 12.00 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0400 | 1.00 | 0.0400 | 0.450 | 0.0180 | 2.8 |
| <i>21</i> | <i>14:20</i> | <i>12.50</i> | <i>0.6</i> | <i>1.100</i> | <i>0.6</i> | <i>0.440</i> | <i>0.0453</i> | <i>1.00</i> | <i>0.0453</i> | <i>0.550</i> | <i>0.0249</i> | <i>3.9</i> |
| 22 | 14:21 | 13.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0427 | 1.00 | 0.0427 | 0.600 | 0.0256 | 4.0 |
| 23 | 14:22 | 13.50 | 0.6 | 1.250 | 0.6 | 0.500 | 0.0180 | 1.00 | 0.0180 | 0.625 | 0.0113 | 1.7 |
| 24 | 14:23 | 14.00 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0066 | 1.00 | 0.0066 | 0.650 | 0.0043 | 0.7 |
| 25 | 14:26 | 14.50 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0561 | 1.00 | 0.0561 | 0.550 | 0.0309 | 4.8 |
| 26 | 14:26 | 15.00 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0653 | 1.00 | 0.0653 | 0.550 | 0.0359 | 5.6 |
| 27 | 14:28 | 15.50 | 0.6 | 1.100 | 0.6 | 0.440 | -0.0030 | 1.00 | -0.0030 | 0.550 | -0.0016 | -0.3 |
| <i>28</i> | <i>14:30</i> | <i>16.00</i> | <i>0.6</i> | <i>1.100</i> | <i>0.6</i> | <i>0.440</i> | <i>0.0240</i> | <i>1.00</i> | <i>0.0240</i> | <i>0.550</i> | <i>0.0132</i> | <i>2.0</i> |
| <i>29</i> | <i>14:31</i> | <i>16.50</i> | <i>0.6</i> | <i>0.700</i> | <i>0.6</i> | <i>0.280</i> | <i>-0.0177</i> | <i>1.00</i> | <i>-0.0177</i> | <i>0.350</i> | <i>-0.0062</i> | <i>-1.0</i> |
| <i>30</i> | <i>14:32</i> | <i>17.00</i> | <i>0.6</i> | <i>0.500</i> | <i>0.6</i> | <i>0.200</i> | <i>-0.0433</i> | <i>1.00</i> | <i>-0.0433</i> | <i>0.250</i> | <i>-0.0108</i> | <i>-1.7</i> |
| <i>31</i> | <i>14:33</i> | <i>17.50</i> | <i>0.6</i> | <i>0.300</i> | <i>0.6</i> | <i>0.120</i> | <i>0.0207</i> | <i>1.00</i> | <i>0.0207</i> | <i>0.150</i> | <i>0.0031</i> | <i>0.5</i> |
| <i>32</i> | <i>14:36</i> | <i>18.00</i> | <i>0.6</i> | <i>0.400</i> | <i>0.6</i> | <i>0.160</i> | <i>-0.0003</i> | <i>1.00</i> | <i>-0.0003</i> | <i>0.400</i> | <i>-0.0001</i> | <i>0.0</i> |
| 33 | 14:36 | 19.50 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 4 Discharge Summary LDB-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name LRC0206.WAD
Start Date and Time 2017/02/06 15:54:20

Site Details

Site Name LRC
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft^2
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|--------------|---------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 1.9% | 11.0% |
| Velocity | 35.3% | 234.5% |
| Width | 1.1% | 1.1% |
| Method | 16.9% | - |
| # Stations | 1.5% | - |
| Overall | 39.2% | 234.8% |

Summary

Averaging Int. 40 # Stations 35
Start Edge LEW Total Width 23.000
Mean SNR 48.7 dB Total Area 26.750
Mean Temp 51.62 °F Mean Depth 1.163
Disch. Equation Mid-Section Mean Velocity -0.0015
Total Discharge -0.0399

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----|-------|-------|--------|-------|------|-------|---------|----------|---------|-------|---------|-------|
| 0 | 15:54 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| 1 | 15:54 | 1.00 | 0.6 | 0.550 | 0.6 | 0.220 | 0.0003 | 1.00 | 0.0003 | 0.550 | 0.0002 | -0.5 |
| 2 | 15:55 | 2.00 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0410 | 1.00 | -0.0410 | 0.450 | -0.0185 | 46.2 |
| 3 | 16:22 | 2.50 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0246 | 1.00 | -0.0246 | 0.350 | -0.0086 | 21.6 |
| 4 | 15:56 | 3.00 | 0.6 | 0.800 | 0.6 | 0.320 | -0.0062 | 1.00 | -0.0062 | 0.400 | -0.0025 | 6.2 |
| 5 | 16:23 | 3.50 | 0.6 | 0.900 | 0.6 | 0.360 | -0.0085 | 1.00 | -0.0085 | 0.450 | -0.0038 | 9.6 |
| 6 | 15:57 | 4.00 | 0.6 | 0.900 | 0.6 | 0.360 | -0.0049 | 1.00 | -0.0049 | 0.450 | -0.0022 | 5.5 |
| 7 | 16:25 | 4.50 | 0.6 | 1.000 | 0.6 | 0.400 | -0.0331 | 1.00 | -0.0331 | 0.500 | -0.0166 | 41.5 |
| 8 | 15:58 | 5.00 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0085 | 1.00 | 0.0085 | 0.750 | 0.0064 | -16.0 |
| 9 | 15:59 | 6.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0151 | 1.00 | 0.0151 | 0.900 | 0.0136 | -34.0 |
| 10 | 16:26 | 6.50 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0128 | 1.00 | 0.0128 | 0.600 | 0.0077 | -19.2 |
| 11 | 16:01 | 7.00 | 0.6 | 1.100 | 0.6 | 0.440 | -0.0249 | 1.00 | -0.0249 | 0.825 | -0.0206 | 51.5 |
| 12 | 16:02 | 8.00 | 0.6 | 1.050 | 0.6 | 0.420 | 0.0043 | 1.00 | 0.0043 | 0.787 | 0.0034 | -8.4 |
| 13 | 16:27 | 8.50 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0272 | 1.00 | 0.0272 | 0.550 | 0.0150 | -37.5 |
| 14 | 16:03 | 9.00 | 0.6 | 1.100 | 0.6 | 0.440 | -0.0112 | 1.00 | -0.0112 | 0.825 | -0.0092 | 23.1 |
| 15 | 16:05 | 10.00 | 0.6 | 1.050 | 0.6 | 0.420 | 0.0062 | 1.00 | 0.0062 | 0.787 | 0.0049 | -12.3 |
| 16 | 16:29 | 10.50 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0046 | 1.00 | 0.0046 | 0.650 | 0.0030 | -7.5 |
| 17 | 16:07 | 11.00 | 0.6 | 1.500 | 0.6 | 0.600 | 0.0033 | 1.00 | 0.0033 | 1.125 | 0.0037 | -9.2 |
| 18 | 16:08 | 12.00 | 0.6 | 1.700 | 0.6 | 0.680 | 0.0092 | 1.00 | 0.0092 | 1.275 | 0.0117 | -29.3 |
| 19 | 16:30 | 12.50 | 0.6 | 1.900 | 0.6 | 0.760 | -0.0167 | 1.00 | -0.0167 | 0.950 | -0.0159 | 39.8 |
| 20 | 16:09 | 13.00 | 0.6 | 1.900 | 0.6 | 0.760 | -0.0200 | 1.00 | -0.0200 | 1.425 | -0.0285 | 71.4 |
| 21 | 16:10 | 14.00 | 0.6 | 2.200 | 0.6 | 0.880 | 0.0148 | 1.00 | 0.0148 | 1.650 | 0.0244 | -61.0 |
| 22 | 16:31 | 14.50 | 0.6 | 2.300 | 0.6 | 0.920 | -0.0318 | 1.00 | -0.0318 | 1.150 | -0.0366 | 91.7 |
| 23 | 16:11 | 15.00 | 0.6 | 2.200 | 0.6 | 0.880 | -0.0030 | 1.00 | -0.0030 | 1.650 | -0.0049 | 12.2 |
| 24 | 16:13 | 16.00 | 0.6 | 1.900 | 0.6 | 0.760 | -0.0118 | 1.00 | -0.0118 | 1.425 | -0.0168 | 42.2 |
| 25 | 16:33 | 16.50 | 0.6 | 1.600 | 0.6 | 0.640 | -0.0138 | 1.00 | -0.0138 | 0.800 | -0.0110 | 27.6 |
| 26 | 16:14 | 17.00 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0180 | 1.00 | 0.0180 | 0.975 | 0.0176 | -44.1 |
| 27 | 16:15 | 18.00 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0364 | 1.00 | 0.0364 | 0.825 | 0.0300 | -75.3 |
| 28 | 16:34 | 18.50 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0082 | 1.00 | 0.0082 | 0.500 | 0.0041 | -10.3 |
| 29 | 16:16 | 19.00 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0144 | 1.00 | 0.0144 | 0.750 | 0.0108 | -27.1 |
| 30 | 16:17 | 20.00 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0217 | 1.00 | 0.0217 | 0.675 | 0.0146 | -36.6 |
| 31 | 16:35 | 20.50 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0463 | 1.00 | 0.0463 | 0.450 | 0.0208 | -52.1 |
| 32 | 16:18 | 21.00 | 0.6 | 0.800 | 0.6 | 0.320 | -0.0184 | 1.00 | -0.0184 | 0.600 | -0.0110 | 27.6 |
| 33 | 16:19 | 22.00 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0358 | 1.00 | -0.0358 | 0.700 | -0.0250 | 62.7 |
| 34 | 16:19 | 23.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 5 Discharge Summary LRC-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name LT0207.WAD
Start Date and Time 2017/02/07 15:48:07

Site Details

Site Name LT
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|---------------|----------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 74.4% | 500.7% |
| Velocity | 631.3% | 2907.0% |
| Width | 24.8% | 24.8% |
| Method | 372.2% | - |
| # Stations | 2.3% | - |
| Overall | 736.6% | 2949.8% |

Summary

Averaging Int. 40 # Stations 22
Start Edge LEW Total Width 11.000
Mean SNR 51.7 dB Total Area 5.688
Mean Temp 57.71 °F Mean Depth 0.517
Disch. Equation Mid-Section Mean Velocity -0.0001
Total Discharge -0.0004

Supplemental Data

| # | Time | Location | Gauge Height | Rated Flow | Comments |
|---|-----------------------------|----------|--------------|------------|----------|
| 1 | Tue Feb 7 15:47:15 CST 2017 | 0.000 | 2.020 | | |

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----|-------|-------|--------|-------|------|-------|---------|----------|---------|-------|---------|---------|
| 0 | 15:48 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| 1 | 15:48 | 0.50 | 0.6 | 0.300 | 0.6 | 0.120 | -0.0049 | 1.00 | -0.0049 | 0.150 | -0.0007 | 202.5 |
| 2 | 15:49 | 1.00 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0253 | 1.00 | -0.0253 | 0.200 | -0.0051 | 1386.0 |
| 3 | 15:50 | 1.50 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0217 | 1.00 | -0.0217 | 0.250 | -0.0054 | 1485.3 |
| 4 | 15:50 | 2.00 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0200 | 1.00 | -0.0200 | 0.250 | -0.0050 | 1372.8 |
| 5 | 15:51 | 2.50 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0020 | 1.00 | -0.0020 | 0.300 | -0.0006 | 162.0 |
| 6 | 15:52 | 3.00 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0056 | 1.00 | -0.0056 | 0.300 | -0.0017 | 459.1 |
| 7 | 15:53 | 3.50 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0154 | 1.00 | 0.0154 | 0.350 | 0.0054 | -1481.1 |
| 8 | 15:54 | 4.00 | 0.6 | 0.800 | 0.6 | 0.320 | 0.0131 | 1.00 | 0.0131 | 0.400 | 0.0052 | -1440.0 |
| 9 | 15:55 | 4.50 | 0.6 | 0.800 | 0.6 | 0.320 | 0.0072 | 1.00 | 0.0072 | 0.400 | 0.0029 | -792.0 |
| 10 | 15:56 | 5.00 | 0.6 | 0.800 | 0.6 | 0.320 | -0.0079 | 1.00 | -0.0079 | 0.400 | -0.0031 | 864.0 |
| 11 | 15:57 | 5.50 | 0.6 | 0.850 | 0.6 | 0.340 | -0.0072 | 1.00 | -0.0072 | 0.425 | -0.0031 | 841.7 |
| 12 | 15:58 | 6.00 | 0.6 | 0.600 | 0.6 | 0.240 | 0.0289 | 1.00 | 0.0289 | 0.300 | 0.0087 | -2376.7 |
| 13 | 15:59 | 6.50 | 0.6 | 0.600 | 0.6 | 0.240 | 0.0223 | 1.00 | 0.0223 | 0.300 | 0.0067 | -1836.6 |
| 14 | 16:00 | 7.00 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0102 | 1.00 | 0.0102 | 0.350 | 0.0036 | -976.9 |
| 15 | 16:01 | 7.50 | 0.6 | 0.600 | 0.6 | 0.240 | 0.0059 | 1.00 | 0.0059 | 0.300 | 0.0018 | -486.1 |
| 16 | 16:02 | 8.00 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0036 | 1.00 | -0.0036 | 0.300 | -0.0011 | 297.1 |
| 17 | 16:03 | 8.50 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0164 | 1.00 | -0.0164 | 0.200 | -0.0033 | 900.0 |
| 18 | 16:04 | 9.00 | 0.6 | 0.350 | 0.6 | 0.140 | -0.0108 | 1.00 | -0.0108 | 0.175 | -0.0019 | 519.9 |
| 19 | 16:05 | 9.50 | 0.6 | 0.300 | 0.6 | 0.120 | -0.0177 | 1.00 | -0.0177 | 0.150 | -0.0027 | 728.8 |
| 20 | 16:06 | 10.00 | 0.6 | 0.250 | 0.6 | 0.100 | -0.0052 | 1.00 | -0.0052 | 0.188 | -0.0010 | 270.1 |
| 21 | 16:06 | 11.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 6 Discharge Summary LT-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name TE0206.WAD
 Start Date and Time 2017/02/06 13:21:07

Site Details

Site Name TE
 Operator(s) SD

System Information

Sensor Type FlowTracker
 Serial # P4710
 CPU Firmware Version 3.9
 Software Ver 2.30
 Mounting Correction 0.0%

Units (English Units)

Distance ft
 Velocity ft/s
 Area ft²
 Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|-------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 0.8% | 2.3% |
| Velocity | 5.6% | 27.3% |
| Width | 0.3% | 0.3% |
| Method | 4.2% | - |
| # Stations | 3.0% | - |
| Overall | 7.7% | 27.4% |

Summary

| | | | |
|-----------------|-------------|------------------------|---------------|
| Averaging Int. | 40 | # Stations | 17 |
| Start Edge | LEW | Total Width | 8.000 |
| Mean SNR | 49.3 dB | Total Area | 5.850 |
| Mean Temp | 56.06 °F | Mean Depth | 0.731 |
| Disch. Equation | Mid-Section | Mean Velocity | 0.0064 |
| | | Total Discharge | 0.0377 |

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----------|--------------|-------------|------------|--------------|------------|--------------|----------------|-------------|----------------|--------------|----------------|-------------|
| 0 | 13:21 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| <i>1</i> | <i>13:21</i> | <i>0.50</i> | <i>0.6</i> | <i>0.500</i> | <i>0.6</i> | <i>0.200</i> | <i>-0.0092</i> | <i>1.00</i> | <i>-0.0092</i> | <i>0.250</i> | <i>-0.0023</i> | <i>-6.1</i> |
| 2 | 13:22 | 1.00 | 0.6 | 0.800 | 0.6 | 0.320 | -0.0125 | 1.00 | -0.0125 | 0.400 | -0.0050 | -13.2 |
| 3 | 13:23 | 1.50 | 0.6 | 0.850 | 0.6 | 0.340 | -0.0013 | 1.00 | -0.0013 | 0.425 | -0.0006 | -1.5 |
| 4 | 13:24 | 2.00 | 0.6 | 0.850 | 0.6 | 0.340 | 0.0098 | 1.00 | 0.0098 | 0.425 | 0.0042 | 11.1 |
| 5 | 13:25 | 2.50 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0059 | 1.00 | 0.0059 | 0.450 | 0.0027 | 7.1 |
| 6 | 13:26 | 3.00 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0167 | 1.00 | 0.0167 | 0.450 | 0.0075 | 20.0 |
| 7 | 13:27 | 3.50 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0105 | 1.00 | 0.0105 | 0.450 | 0.0047 | 12.5 |
| 8 | 13:28 | 4.00 | 0.6 | 0.950 | 0.6 | 0.380 | 0.0272 | 1.00 | 0.0272 | 0.475 | 0.0129 | 34.3 |
| <i>9</i> | <i>13:29</i> | <i>4.50</i> | <i>0.6</i> | <i>0.950</i> | <i>0.6</i> | <i>0.380</i> | <i>0.0236</i> | <i>1.00</i> | <i>0.0236</i> | <i>0.475</i> | <i>0.0112</i> | <i>29.8</i> |
| 10 | 13:30 | 5.00 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0043 | 1.00 | 0.0043 | 0.450 | 0.0019 | 5.1 |
| 11 | 13:31 | 5.50 | 0.6 | 0.900 | 0.6 | 0.360 | 0.0013 | 1.00 | 0.0013 | 0.450 | 0.0006 | 1.6 |
| 12 | 13:32 | 6.00 | 0.6 | 0.800 | 0.6 | 0.320 | 0.0033 | 1.00 | 0.0033 | 0.400 | 0.0013 | 3.5 |
| 13 | 13:33 | 6.50 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0066 | 1.00 | 0.0066 | 0.350 | 0.0023 | 6.1 |
| 14 | 13:34 | 7.00 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0115 | 1.00 | -0.0115 | 0.250 | -0.0029 | -7.6 |
| 15 | 13:35 | 7.50 | 0.6 | 0.300 | 0.6 | 0.120 | -0.0066 | 1.00 | -0.0066 | 0.150 | -0.0010 | -2.6 |
| 16 | 13:35 | 8.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 7 Discharge Summary TE-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name TG.WAD
Start Date and Time 2017/02/06 10:44:28

Site Details

Site Name TG
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|-------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 0.3% | 3.2% |
| Velocity | 4.4% | 38.0% |
| Width | 0.2% | 0.2% |
| Method | 3.4% | - |
| # Stations | 2.0% | - |
| Overall | 6.0% | 38.1% |

Summary

Averaging Int. 40 # Stations 25
Start Edge LEW Total Width 20.000
Mean SNR 39.1 dB Total Area 20.050
Mean Temp 47.86 °F Mean Depth 1.003
Disch. Equation Mid-Section Mean Velocity 0.0140
Total Discharge 0.2803

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----|-------|-------|--------|-------|------|-------|---------|----------|---------|-------|---------|-------|
| 0 | 10:44 | 0.00 | None | 0.300 | 0.0 | 0.0 | 0.0000 | 1.00 | -0.0535 | 0.150 | -0.0080 | -2.9 |
| 1 | 10:44 | 1.00 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0535 | 1.00 | -0.0535 | 0.400 | -0.0214 | -7.6 |
| 2 | 10:45 | 2.00 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0085 | 1.00 | -0.0085 | 0.500 | -0.0043 | -1.5 |
| 3 | 10:46 | 3.00 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0010 | 1.00 | 0.0010 | 0.700 | 0.0007 | 0.2 |
| 4 | 10:47 | 4.00 | 0.6 | 0.900 | 0.6 | 0.360 | -0.0010 | 1.00 | -0.0010 | 0.900 | -0.0009 | -0.3 |
| 5 | 10:48 | 5.00 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0098 | 1.00 | 0.0098 | 1.000 | 0.0098 | 3.5 |
| 6 | 10:49 | 6.00 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0177 | 1.00 | 0.0177 | 1.000 | 0.0177 | 6.3 |
| 7 | 10:50 | 7.00 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0262 | 1.00 | 0.0262 | 1.000 | 0.0262 | 9.4 |
| 8 | 10:51 | 8.00 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0394 | 1.00 | 0.0394 | 1.100 | 0.0433 | 15.4 |
| 9 | 10:52 | 9.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0108 | 1.00 | 0.0108 | 1.200 | 0.0130 | 4.6 |
| 10 | 10:53 | 10.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0200 | 1.00 | 0.0200 | 1.200 | 0.0240 | 8.6 |
| 11 | 10:54 | 11.00 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0217 | 1.00 | 0.0217 | 1.300 | 0.0281 | 10.0 |
| 12 | 10:55 | 12.00 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0302 | 1.00 | 0.0302 | 0.975 | 0.0294 | 10.5 |
| 13 | 11:09 | 12.50 | 0.6 | 1.000 | 0.6 | 0.400 | 0.0171 | 1.00 | 0.0171 | 0.500 | 0.0085 | 3.0 |
| 14 | 10:56 | 13.00 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0853 | 1.00 | 0.0853 | 0.650 | 0.0554 | 19.8 |
| 15 | 11:08 | 13.50 | 0.6 | 1.350 | 0.6 | 0.540 | 0.0302 | 1.00 | 0.0302 | 0.675 | 0.0204 | 7.3 |
| 16 | 10:57 | 14.00 | 0.6 | 1.300 | 0.6 | 0.520 | -0.0591 | 1.00 | -0.0591 | 0.650 | -0.0384 | -13.7 |
| 17 | 11:06 | 14.50 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0364 | 1.00 | 0.0364 | 0.600 | 0.0219 | 7.8 |
| 18 | 10:58 | 15.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0387 | 1.00 | 0.0387 | 0.600 | 0.0232 | 8.3 |
| 19 | 11:07 | 15.50 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0184 | 1.00 | 0.0184 | 0.600 | 0.0110 | 3.9 |
| 20 | 10:59 | 16.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0344 | 1.00 | 0.0344 | 0.900 | 0.0310 | 11.1 |
| 21 | 11:00 | 17.00 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0230 | 1.00 | 0.0230 | 1.200 | 0.0276 | 9.8 |
| 22 | 11:01 | 18.00 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0157 | 1.00 | 0.0157 | 1.100 | 0.0173 | 6.2 |
| 23 | 11:03 | 19.00 | 0.6 | 1.000 | 0.6 | 0.400 | -0.0482 | 1.00 | -0.0482 | 1.000 | -0.0482 | -17.2 |
| 24 | 11:03 | 20.00 | None | 0.300 | 0.0 | 0.0 | 0.0000 | 1.00 | -0.0482 | 0.150 | -0.0072 | -2.6 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 8 Discharge Summary TG-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name UDB0207.WAD
Start Date and Time 2017/02/07 09:14:28

Site Details

Site Name UDB
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|---------------|---------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 5.4% | 42.8% |
| Velocity | 138.4% | 792.1% |
| Width | 4.2% | 4.2% |
| Method | 62.9% | - |
| # Stations | 2.2% | - |
| Overall | 152.2% | 793.2% |

Summary

Averaging Int. 40 # Stations 23
Start Edge LEW Total Width 11.000
Mean SNR 45.1 dB Total Area 14.137
Mean Temp 50.35 °F Mean Depth 1.285
Disch. Equation Mid-Section Mean Velocity -0.0002
Total Discharge -0.0035

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|-----------|--------------|-------------|------------|--------------|------------|--------------|----------------|-------------|----------------|--------------|----------------|---------------|
| 0 | 09:14 | 0.00 | None | 0.200 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0007 | 0.050 | 0.0000 | -0.9 |
| <i>1</i> | <i>09:14</i> | <i>0.50</i> | <i>0.6</i> | <i>0.600</i> | <i>0.6</i> | <i>0.240</i> | <i>0.0007</i> | <i>1.00</i> | <i>0.0007</i> | <i>0.300</i> | <i>0.0002</i> | <i>-5.6</i> |
| <i>2</i> | <i>09:16</i> | <i>1.00</i> | <i>0.6</i> | <i>0.900</i> | <i>0.6</i> | <i>0.360</i> | <i>0.0003</i> | <i>1.00</i> | <i>0.0003</i> | <i>0.450</i> | <i>0.0001</i> | <i>-4.2</i> |
| <i>3</i> | <i>09:18</i> | <i>1.50</i> | <i>0.6</i> | <i>1.000</i> | <i>0.6</i> | <i>0.400</i> | <i>0.0003</i> | <i>1.00</i> | <i>0.0003</i> | <i>0.500</i> | <i>0.0002</i> | <i>-4.7</i> |
| 4 | 09:19 | 2.00 | 0.6 | 1.100 | 0.6 | 0.440 | 0.0098 | 1.00 | 0.0098 | 0.550 | 0.0054 | -154.1 |
| 5 | 09:20 | 2.50 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0023 | 1.00 | 0.0023 | 0.600 | 0.0014 | -39.2 |
| 6 | 09:21 | 3.00 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0052 | 1.00 | 0.0052 | 0.650 | 0.0034 | -97.1 |
| 7 | 09:22 | 3.50 | 0.6 | 1.300 | 0.6 | 0.520 | 0.0003 | 1.00 | 0.0003 | 0.650 | 0.0002 | -6.1 |
| 8 | 09:24 | 4.00 | 0.6 | 1.400 | 0.6 | 0.560 | 0.0121 | 1.00 | 0.0121 | 0.700 | 0.0085 | -241.9 |
| 9 | 09:25 | 4.50 | 0.6 | 1.700 | 0.6 | 0.680 | 0.0010 | 1.00 | 0.0010 | 0.850 | 0.0008 | -23.8 |
| 10 | 09:26 | 5.00 | 0.6 | 1.800 | 0.6 | 0.720 | -0.0151 | 1.00 | -0.0151 | 0.900 | -0.0136 | 386.6 |
| 11 | 09:27 | 5.50 | 0.6 | 1.800 | 0.6 | 0.720 | 0.0092 | 1.00 | 0.0092 | 0.900 | 0.0083 | -235.3 |
| 12 | 09:28 | 6.00 | 0.6 | 1.900 | 0.6 | 0.760 | -0.0020 | 1.00 | -0.0020 | 0.950 | -0.0019 | 53.2 |
| 13 | 09:29 | 6.50 | 0.6 | 1.900 | 0.6 | 0.760 | -0.0007 | 1.00 | -0.0007 | 0.950 | -0.0006 | 17.7 |
| <i>14</i> | <i>09:30</i> | <i>7.00</i> | <i>0.6</i> | <i>1.800</i> | <i>0.6</i> | <i>0.720</i> | <i>-0.0095</i> | <i>1.00</i> | <i>-0.0095</i> | <i>0.900</i> | <i>-0.0086</i> | <i>243.8</i> |
| 15 | 09:31 | 7.50 | 0.6 | 1.700 | 0.6 | 0.680 | -0.0148 | 1.00 | -0.0148 | 0.850 | -0.0126 | 357.3 |
| <i>16</i> | <i>09:32</i> | <i>8.00</i> | <i>0.6</i> | <i>1.600</i> | <i>0.6</i> | <i>0.640</i> | <i>0.0112</i> | <i>1.00</i> | <i>0.0112</i> | <i>0.800</i> | <i>0.0089</i> | <i>-254.1</i> |
| 17 | 09:34 | 8.50 | 0.6 | 1.200 | 0.6 | 0.480 | 0.0161 | 1.00 | 0.0161 | 0.600 | 0.0096 | -274.6 |
| 18 | 09:36 | 9.00 | 0.6 | 1.100 | 0.6 | 0.440 | -0.0089 | 1.00 | -0.0089 | 0.550 | -0.0049 | 138.7 |
| 19 | 09:37 | 9.50 | 0.6 | 0.800 | 0.6 | 0.320 | -0.0062 | 1.00 | -0.0062 | 0.400 | -0.0025 | 71.0 |
| 20 | 09:38 | 10.00 | 0.6 | 0.900 | 0.6 | 0.360 | -0.0174 | 1.00 | -0.0174 | 0.450 | -0.0078 | 222.7 |
| 21 | 09:39 | 10.50 | 0.6 | 0.800 | 0.6 | 0.320 | 0.0030 | 1.00 | 0.0030 | 0.400 | 0.0012 | -33.6 |
| 22 | 09:39 | 11.00 | None | 0.750 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0030 | 0.188 | 0.0006 | -15.8 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 9 Discharge Summary UDB-1

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name URC0206.WAD
Start Date and Time 2017/02/06 14:49:56

Site Details

Site Name URC
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|--------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 1.4% | 10.0% |
| Velocity | 16.7% | 58.1% |
| Width | 0.5% | 0.5% |
| Method | 7.0% | - |
| # Stations | 4.2% | - |
| Overall | 18.7% | 59.0% |

Summary

| | | | |
|-----------------|-------------|------------------------|---------------|
| Averaging Int. | 40 | # Stations | 12 |
| Start Edge | LEW | Total Width | 3.000 |
| Mean SNR | 34.1 dB | Total Area | 1.025 |
| Mean Temp | 55.80 °F | Mean Depth | 0.342 |
| Disch. Equation | Mid-Section | Mean Velocity | 0.0025 |
| | | Total Discharge | 0.0026 |

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|----|-------|------|--------|-------|------|-------|---------|----------|---------|-------|---------|-------|
| 0 | 14:49 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| 1 | 14:49 | 0.25 | 0.6 | 0.400 | 0.6 | 0.160 | 0.0000 | 1.00 | 0.0000 | 0.100 | 0.0000 | 0.0 |
| 2 | 14:50 | 0.50 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0013 | 1.00 | -0.0013 | 0.125 | -0.0002 | -6.4 |
| 3 | 14:51 | 0.75 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0098 | 1.00 | -0.0098 | 0.150 | -0.0015 | -57.9 |
| 4 | 14:53 | 1.00 | 0.6 | 0.500 | 0.6 | 0.200 | 0.0013 | 1.00 | 0.0013 | 0.125 | 0.0002 | 6.4 |
| 5 | 14:54 | 1.25 | 0.6 | 0.400 | 0.6 | 0.160 | 0.0125 | 1.00 | 0.0125 | 0.100 | 0.0012 | 48.9 |
| 6 | 14:54 | 1.50 | 0.6 | 0.400 | 0.6 | 0.160 | 0.0092 | 1.00 | 0.0092 | 0.100 | 0.0009 | 36.0 |
| 7 | 14:55 | 1.75 | 0.6 | 0.400 | 0.6 | 0.160 | 0.0016 | 1.00 | 0.0016 | 0.100 | 0.0002 | 6.4 |
| 8 | 14:56 | 2.00 | 0.6 | 0.300 | 0.6 | 0.120 | 0.0085 | 1.00 | 0.0085 | 0.075 | 0.0006 | 25.1 |
| 9 | 14:58 | 2.25 | 0.6 | 0.300 | 0.6 | 0.120 | 0.0049 | 1.00 | 0.0049 | 0.075 | 0.0004 | 14.5 |
| 10 | 15:00 | 2.50 | 0.6 | 0.200 | 0.6 | 0.080 | 0.0092 | 1.00 | 0.0092 | 0.075 | 0.0007 | 27.0 |
| 11 | 15:00 | 3.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 10 Discharge Summary URC-2

Discharge Measurement Summary

Date Generated: Thu Feb 23 2017

File Information

File Name WC0206.WAD
Start Date and Time 2017/02/06 12:19:56

Site Details

Site Name WC
Operator(s) SD

System Information

Sensor Type FlowTracker
Serial # P4710
CPU Firmware Version 3.9
Software Ver 2.30
Mounting Correction 0.0%

Units (English Units)

Distance ft
Velocity ft/s
Area ft²
Discharge cfs

Discharge Uncertainty

| Category | ISO | Stats |
|----------------|--------------|--------------|
| Accuracy | 1.0% | 1.0% |
| Depth | 0.7% | 3.5% |
| Velocity | 9.1% | 25.3% |
| Width | 0.2% | 0.2% |
| Method | 3.4% | - |
| # Stations | 2.4% | - |
| Overall | 10.1% | 25.5% |

Summary

Averaging Int. 40 # Stations 21
Start Edge LEW Total Width 12.000
Mean SNR 48.4 dB Total Area 5.425
Mean Temp 55.55 °F Mean Depth 0.452
Disch. Equation Mid-Section Mean Velocity -0.0062
Total Discharge -0.0339

Measurement Results

| St | Clock | Loc | Method | Depth | %Dep | MeasD | Vel | CorrFact | MeanV | Area | Flow | %Q |
|-----------|--------------|-------------|------------|--------------|------------|--------------|----------------|-------------|----------------|--------------|----------------|-------------|
| 0 | 12:19 | 0.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |
| <i>1</i> | <i>12:19</i> | <i>1.00</i> | <i>0.6</i> | <i>0.200</i> | <i>0.6</i> | <i>0.080</i> | <i>-0.0059</i> | <i>1.00</i> | <i>-0.0059</i> | <i>0.200</i> | <i>-0.0012</i> | <i>3.5</i> |
| 2 | 12:21 | 2.00 | 0.6 | 0.250 | 0.6 | 0.100 | -0.0108 | 1.00 | -0.0108 | 0.250 | -0.0027 | 8.0 |
| 3 | 12:22 | 3.00 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0131 | 1.00 | -0.0131 | 0.300 | -0.0039 | 11.6 |
| <i>4</i> | <i>12:43</i> | <i>3.50</i> | <i>0.6</i> | <i>0.400</i> | <i>0.6</i> | <i>0.160</i> | <i>-0.0246</i> | <i>1.00</i> | <i>-0.0246</i> | <i>0.200</i> | <i>-0.0049</i> | <i>14.5</i> |
| <i>5</i> | <i>12:23</i> | <i>4.00</i> | <i>0.6</i> | <i>0.400</i> | <i>0.6</i> | <i>0.160</i> | <i>-0.0203</i> | <i>1.00</i> | <i>-0.0203</i> | <i>0.300</i> | <i>-0.0061</i> | <i>18.0</i> |
| 6 | 12:24 | 5.00 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0102 | 1.00 | -0.0102 | 0.300 | -0.0031 | 9.0 |
| 7 | 12:26 | 5.50 | 0.6 | 0.400 | 0.6 | 0.160 | 0.0049 | 1.00 | 0.0049 | 0.200 | 0.0010 | -2.9 |
| 8 | 12:25 | 6.00 | 0.6 | 0.500 | 0.6 | 0.200 | 0.0184 | 1.00 | 0.0184 | 0.250 | 0.0046 | -13.6 |
| 9 | 12:28 | 6.50 | 0.6 | 0.550 | 0.6 | 0.220 | -0.0043 | 1.00 | -0.0043 | 0.275 | -0.0012 | 3.5 |
| 10 | 12:29 | 7.00 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0075 | 1.00 | -0.0075 | 0.300 | -0.0023 | 6.7 |
| 11 | 12:30 | 7.50 | 0.6 | 0.600 | 0.6 | 0.240 | -0.0059 | 1.00 | -0.0059 | 0.300 | -0.0018 | 5.2 |
| <i>12</i> | <i>12:31</i> | <i>8.00</i> | <i>0.6</i> | <i>0.600</i> | <i>0.6</i> | <i>0.240</i> | <i>-0.0200</i> | <i>1.00</i> | <i>-0.0200</i> | <i>0.300</i> | <i>-0.0060</i> | <i>17.7</i> |
| 13 | 12:32 | 8.50 | 0.6 | 0.700 | 0.6 | 0.280 | -0.0108 | 1.00 | -0.0108 | 0.350 | -0.0038 | 11.2 |
| 14 | 12:34 | 9.00 | 0.6 | 0.800 | 0.6 | 0.320 | -0.0135 | 1.00 | -0.0135 | 0.400 | -0.0054 | 15.9 |
| 15 | 12:34 | 9.50 | 0.6 | 0.700 | 0.6 | 0.280 | 0.0033 | 1.00 | 0.0033 | 0.350 | 0.0011 | -3.4 |
| 16 | 12:36 | 10.00 | 0.6 | 0.750 | 0.6 | 0.300 | 0.0046 | 1.00 | 0.0046 | 0.375 | 0.0017 | -5.1 |
| 17 | 12:37 | 10.50 | 0.6 | 0.650 | 0.6 | 0.260 | 0.0115 | 1.00 | 0.0115 | 0.325 | 0.0037 | -11.0 |
| 18 | 12:39 | 11.00 | 0.6 | 0.500 | 0.6 | 0.200 | -0.0059 | 1.00 | -0.0059 | 0.250 | -0.0015 | 4.4 |
| 19 | 12:40 | 11.50 | 0.6 | 0.400 | 0.6 | 0.160 | -0.0115 | 1.00 | -0.0115 | 0.200 | -0.0023 | 6.8 |
| 20 | 12:40 | 12.00 | None | 0.000 | 0.0 | 0.0 | 0.0000 | 1.00 | 0.0000 | 0.000 | 0.0000 | 0.0 |

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

Figure 11 Discharge Summary WC-1

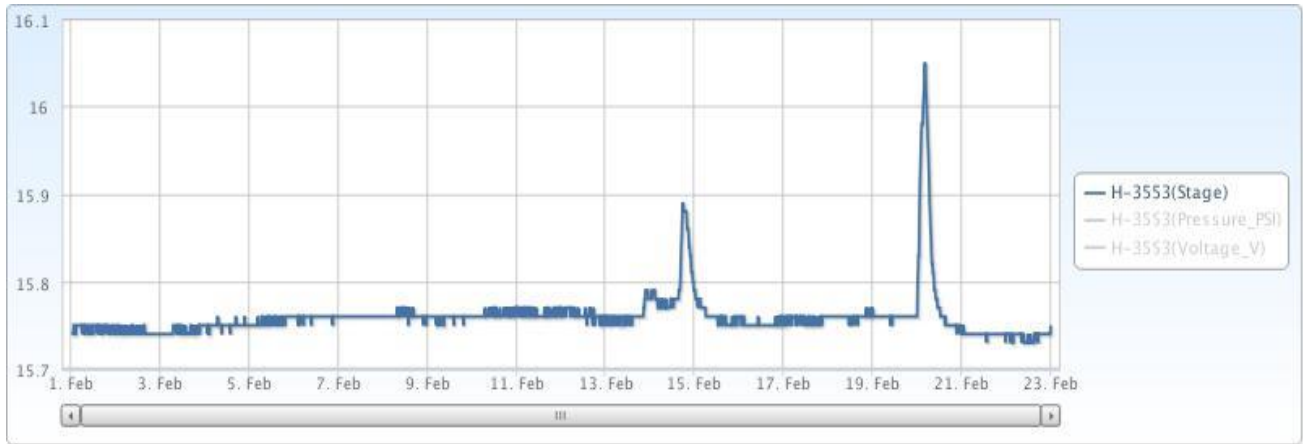


Figure 12 Monthly Hydrograph JB-1

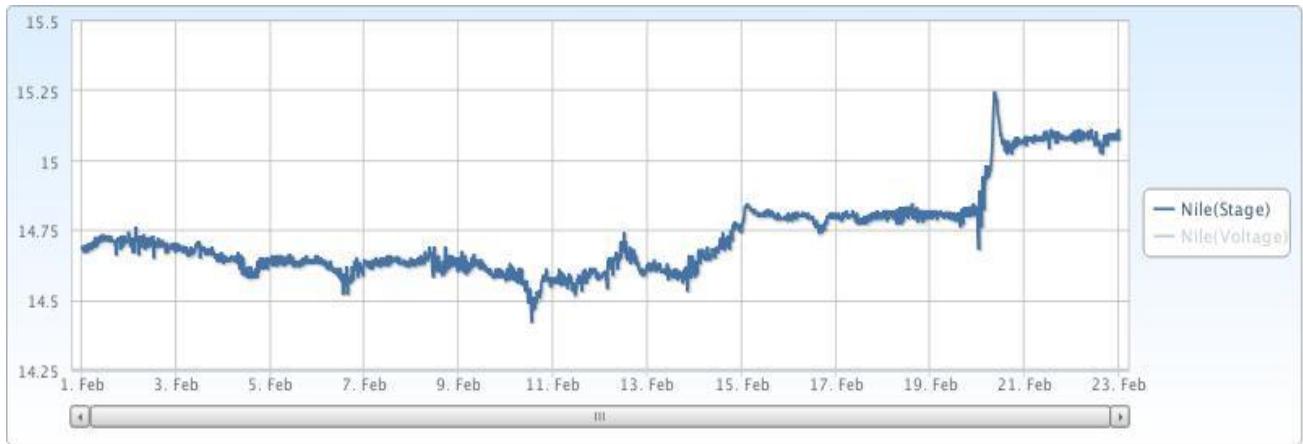


Figure 13 Monthly Hydrograph LDB-1

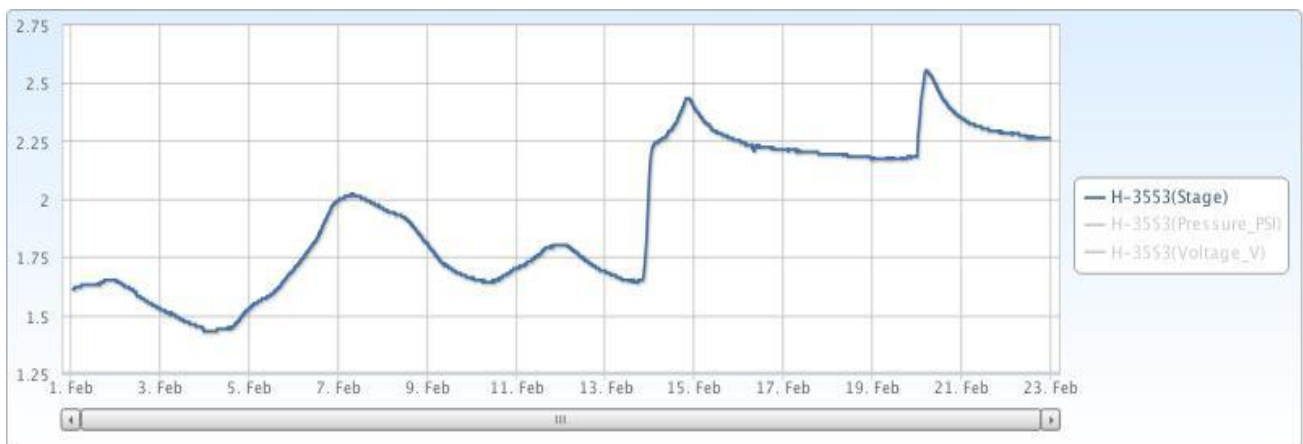


Figure 14 Monthly Hydrograph LT-1

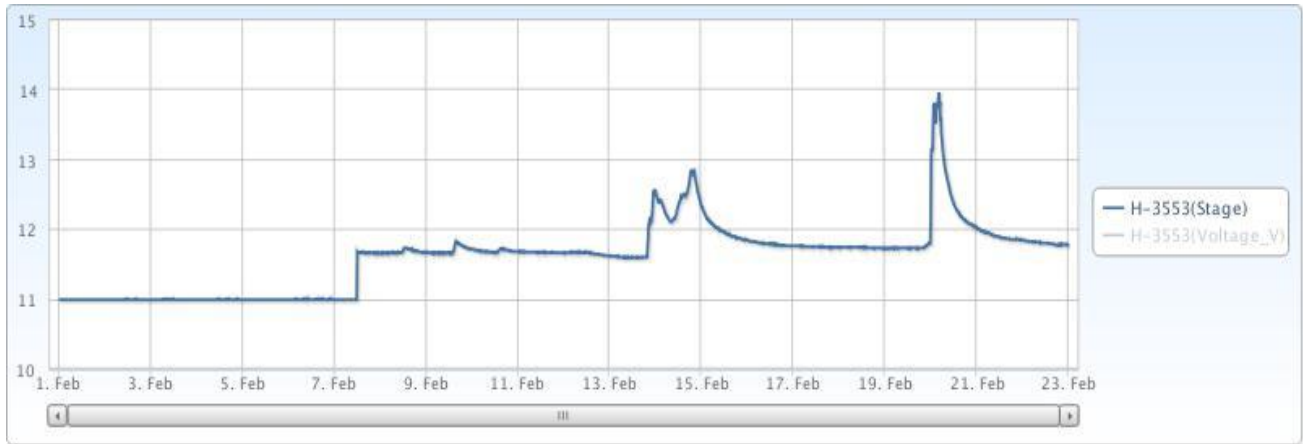


Figure 15 Monthly Hydrograph TE-1

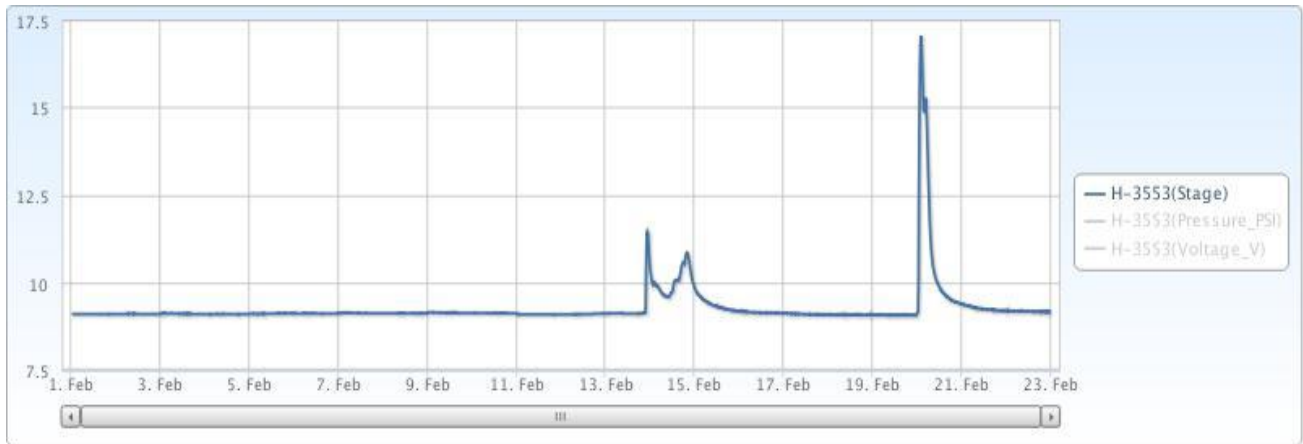


Figure 16 Monthly Hydrograph TG-1

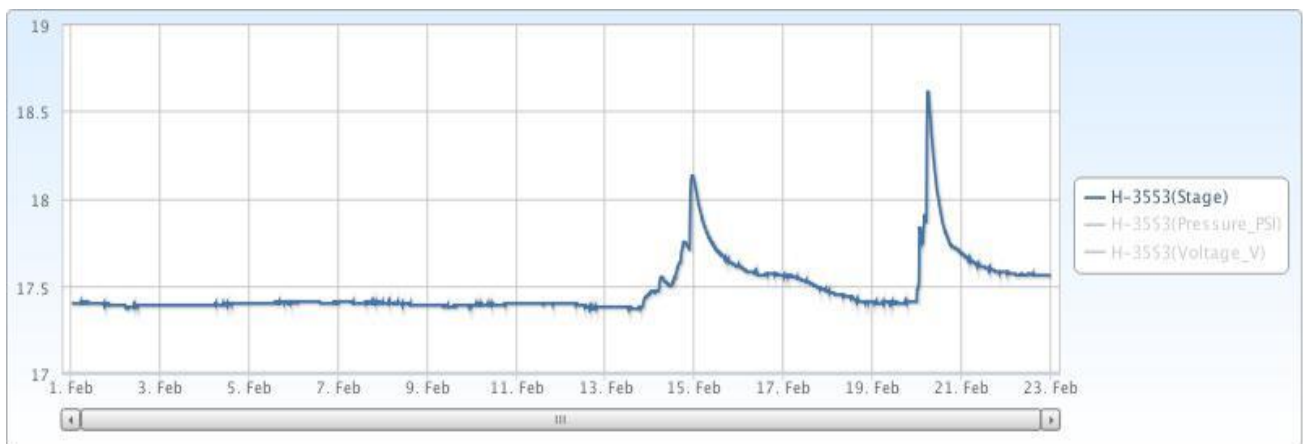


Figure 17 Monthly Hydrograph UDB-1

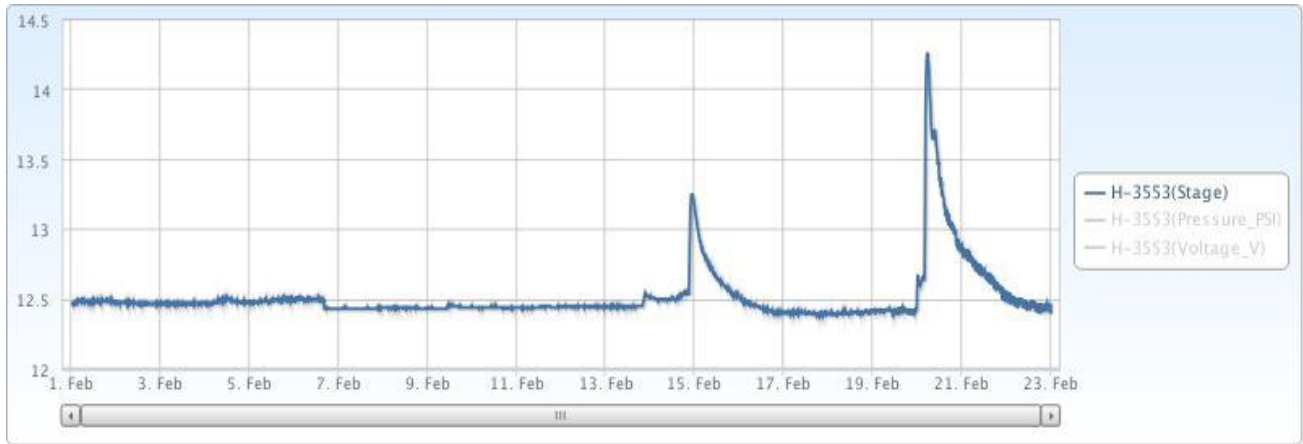


Figure 18 Monthly Hydrograph URC-2

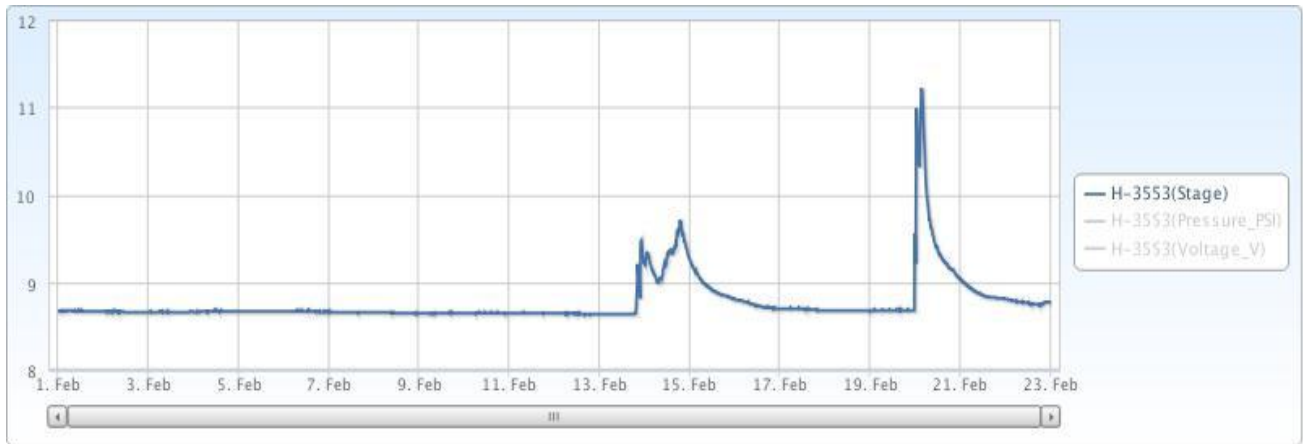


Figure 19 Monthly Hydrograph WC-1



Figure 20 February 21st-23rd Hydrograph CC-1

| MESONET CLIMATOLOGICAL DATA SUMMARY | | | | February 2017 | | | | Time Zone: Midnight-Midnight CST | | | | | | | | | | | | | | |
|---|--------------------|-----|------|--|----------|-----|--------------|--|-----|-----------------|-------|---------------|--------|------|---------------------|-------|------|-------------------------------|----------------------|-----|----|--|
| (NRMN) Norman | | | | Nearest City: 2.1 NW Norman | | | | County: Cleveland | | | | | | | | | | | | | | |
| Latitude: 35-14-09 | | | | Longitude: 97-27-53 | | | | Elevation: 1171 feet | | | | | | | | | | | | | | |
| DAY | TEMPERATURE (°F) | | | | DEG DAYS | | HUMIDITY (%) | | | RAIN | | PRESSURE (in) | | | WIND SPEED (mph) | | | SOLAR (MJ/m ²) | 4" SOIL TEMPERATURES | | | |
| | MAX | MIN | AVG | DEWPT | HDD | CDD | MAX | MIN | AVG | (in) | STN | MSL | DIR | AVG | MAX | SOD | BARE | | MAX | MIN | | |
| 1 | 58 | 36 | 45.5 | 29.3 | 18 | 0 | 80 | 34 | 55 | 0.00 | 28.74 | 29.99 | NNE | 11.8 | 27.8 | 13.80 | 46.8 | 48.0 | 52 | 44 | | |
| 2 | 38 | 30 | 33.6 | 17.1 | 31 | 0 | 74 | 35 | 52 | 0.00 | 29.10 | 30.36 | NNE | 14.5 | 30.4 | 6.74 | 45.4 | 44.5 | 47 | 43 | | |
| 3 | 45 | 25 | 34.4 | 10.1 | 30 | 0 | 55 | 22 | 37 | 0.00 | 29.17 | 30.44 | NNE | 8.2 | 18.5 | 14.54 | 44.4 | 43.5 | 48 | 40 | | |
| 4 | 54 | 29 | 42.1 | 29.5 | 24 | 0 | 84 | 44 | 61 | 0.00 | 28.89 | 30.14 | S | 10.3 | 29.2 | 6.24 | 44.1 | 43.5 | 47 | 41 | | |
| 5 | 59 | 38 | 47.4 | 45.8 | 16 | 0 | 100 | 74 | 94 | 0.01 | 28.74 | 29.99 | S | 6.0 | 14.1 | 3.99 | 45.6 | 45.3 | 49 | 42 | | |
| 6 | 78 | 47 | 63.1 | 48.4 | 3 | 0 | 100 | 28 | 67 | 0.01 | 28.48 | 29.72 | SSW | 12.7 | 30.5 | 12.41 | 49.2 | 51.5 | 57 | 46 | | |
| 7 | 75 | 45 | 60.7 | 33.4 | 5 | 0 | 64 | 18 | 38 | 0.00 | 28.44 | 29.67 | SSE | 6.2 | 16.8 | 14.57 | 51.2 | 54.3 | 59 | 50 | | |
| 8 | 57 | 29 | 40.9 | 26.2 | 22 | 0 | 83 | 37 | 57 | 0.00 | 28.70 | 29.95 | N | 14.4 | 34.9 | 14.90 | 49.3 | 50.4 | 54 | 47 | | |
| 9 | 56 | 24 | 39.8 | 21.9 | 25 | 0 | 78 | 27 | 52 | 0.00 | 29.03 | 30.29 | S | 9.0 | 24.0 | 15.96 | 46.9 | 46.5 | 52 | 42 | | |
| 10 | 76 | 46 | 60.3 | 39.9 | 4 | 0 | 70 | 29 | 49 | 0.00 | 28.70 | 29.94 | S | 15.9 | 35.3 | 16.25 | 49.0 | 51.1 | 57 | 46 | | |
| 11 | 88 | 58 | 71.4 | 49.6 | 0 | 8 | 84 | 20 | 52 | 0.00 | 28.57 | 29.81 | SSW | 11.8 | 25.4 | 16.74 | 53.5 | 57.5 | 64 | 53 | | |
| 12 | 69 | 45 | 54.7 | 32.2 | 8 | 0 | 78 | 22 | 45 | 0.00 | 29.01 | 30.27 | NNE | 17.6 | 37.7 | 14.72 | 53.9 | 56.9 | 60 | 54 | | |
| 13 | 55 | 41 | 46.3 | 28.0 | 17 | 0 | 100 | 31 | 54 | 0.65 | 28.96 | 30.22 | NE | 7.3 | 17.6 | 5.26 | 51.4 | 52.8 | 55 | 50 | | |
| 14 | 42 | 38 | 40.1 | 39.3 | 25 | 0 | 100 | 89 | 97 | 0.73 | 28.77 | 30.02 | NNE | 10.0 | 28.1 | 1.33 | 48.9 | 47.2 | 50 | 45 | | |
| 15 | 56 | 34 | 42.9 | 30.0 | 20 | 0 | 94 | 32 | 64 | 0.00 | 28.88 | 30.14 | NNW | 7.1 | 18.8 | 17.83 | 47.5 | 45.0 | 51 | 40 | | |
| 16 | 68 | 34 | 51.4 | 31.5 | 14 | 0 | 83 | 24 | 50 | 0.00 | 28.72 | 29.97 | SSW | 8.9 | 26.3 | 18.13 | 47.6 | 45.6 | 53 | 40 | | |
| 17 | 71 | 42 | 55.5 | 39.8 | 8 | 0 | 78 | 31 | 58 | 0.00 | 28.53 | 29.77 | S | 9.5 | 21.1 | 15.13 | 49.4 | 48.3 | 54 | 43 | | |
| 18 | 68 | 49 | 57.6 | 51.0 | 6 | 0 | 95 | 56 | 80 | 0.00 | 28.55 | 29.79 | SE | 6.6 | 15.1 | 13.23 | 52.1 | 53.0 | 59 | 49 | | |
| 19 | 73 | 51 | 61.3 | 58.6 | 3 | 0 | 100 | 68 | 92 | 0.77 | 28.62 | 29.86 | SE | 10.8 | 25.1 | 8.72 | 54.0 | 55.6 | 60 | 51 | | |
| 20 | 64 | 46 | 56.9 | 53.8 | 10 | 0 | 100 | 67 | 90 | 0.53 | 28.64 | 29.88 | S | 7.1 | 23.8 | 7.55 | 55.9 | 57.2 | 59 | 56 | | |
| 21 | 71 | 44 | 56.0 | 42.0 | 7 | 0 | 100 | 26 | 65 | 0.00 | 28.72 | 29.96 | NNW | 8.1 | 22.2 | 18.87 | 54.2 | 55.0 | 61 | 51 | | |
| 22 | 82 | 39 | 60.4 | 39.0 | 4 | 0 | 94 | 19 | 53 | 0.00 | 28.55 | 29.79 | S | 6.7 | 24.9 | 19.02 | 53.2 | 52.9 | 59 | 46 | | |
| 23 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 24 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 25 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 26 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 27 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 28 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | |
| 64* 40* 51.0* 36.2* | | | | <- Monthly Averages -> | | | | 28.75* 30.00* | | S * 10.0* 37.7* | | | 12.54* | | 49.7* 50.3* 55* 46* | | | | | | | |
| Temperature - Highest: 88* Lowest: 24* | | | | Degree Days - Total HDD: 303* Total CDD: 8* | | | | Number of Days With: Tmax ≥ 90: 0* Rainfall ≥ 0.01 inch: 6* Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 4* Tmin ≤ 32: 5* Avg Wind Speed ≥ 10 mph: 10* Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 5* | | | | | | | | | | | | | | |
| Rainfall: Monthly Total: 2.70* in. Greatest 24 Hr: 0.77* in. | | | | Humidity - Highest: 100* Lowest: 18* | | | | | | | | | | | | | | | | | | |

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* Denotes incomplete record

Monthly data generated at 2017-02-23 14:59:12 UTC

Figure 21 Mesonet Data