
***Lake Thunderbird TMDL Monitoring Plan Implementation:
Sample Year (SY) 2018- September Report***



SY2018 Monthly Report

Lake Thunderbird TMDL Monitoring Plan Implementation:

September 2018 Monitoring Report

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

Sampling for September 2018 occurred on the fourth and was considered a high flow collection. Water samples were collected at ten locations, including two stormwater outfalls, and discharge measurements were collected at two locations. Mesonet data shows 2.13 inches of precipitation occurring on the fourth, 0.09 inches of precipitation in the 72 hours prior to sampling, and 1.49 inches of precipitation in the 72 hours after the sampling event. The total rainfall amount in Norman for the month of September was 7.73 inches. All water level gauges were operational for the month, with the exception of CC-1 as a result of road construction activity, and LT-1 due to equipment malfunction.

RESULTS

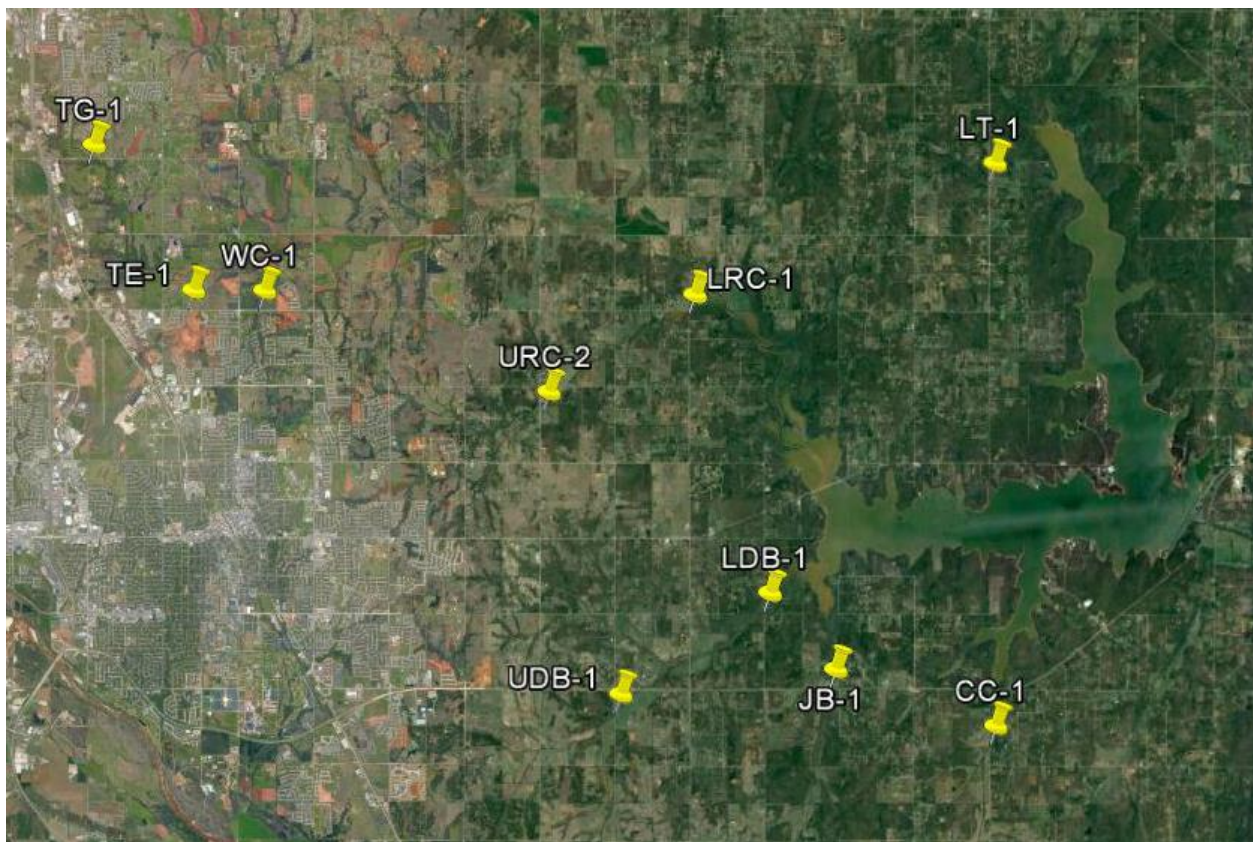


Figure 1 Monitoring Station Map

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	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	not sampled
lt-1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	not sampled
jb-1	9/4/2018	9:30	SD	23.2	6.2	117.0	7.2	253.0	peak at 19.45 at 8:15, water collected at 18.67
udb-1	9/4/2018	4:00	SD	N/A*	N/A*	62.0	7.9	1000.0	autosampler collected T4 at 21.57 at 4:00, peak at 30.47 at 5:45. Discharge estimated from rating curve but estimation seems high
ldb-1	9/4/2018	4:45	SD	N/A*	N/A*	113.0	7.7	1000.0	autosampler collected T4 at 20.263, peak at 23.094 at 6:30
tg-1	9/4/2018	5:00	SD	N/A*	N/A*	115.0	8.1	684.0	autosampler collected T4 at 20.27, peak at 20.33 at 5:15
te-1	9/4/2018	3:30	SD	N/A*	N/A*	325.0	7.7	1000.0	autosampler collected T2 at 15.41, peak at 15.43 at 3:45
wc-1	9/4/2018	3:15	SD	N/A*	N/A*	105.0	7.9	754.0	autosampler collected T3 at 12.26, peak at 13.55 at 4:00
lrc-1	9/4/2018	5:15	SD	N/A*	N/A*	196.0	7.7	1000.0	autosampler collected T4 at 5:15 at 22.01, peak at 26.75 at 9:45
urc-2	9/4/2018	5:00	SD	N/A*	N/A*	82.0	8.0	1000.0	autosampler collected T4 at 5:00 at 19.05, peak 1 at 19.30 at 5:15, peak 2 at 20.05 at 9:00
sw-03	9/7/2018	11:05	SD	N/A*	N/A*	220.0	N/A	215.0	primed bottles in channel
sw-05	9/7/2018	10:20	SD	N/A*	N/A*	440.0	N/A	60.0	primed bottles in channel

Table 1 Field Data Form Where The Asterisk Denotes A Sample Collected By The Autosampler

Site Name	TKN (mg/L)	Nitrate/Nitrite (mg/L)	TP (mg/L)	TSS (mg/L)
TG-1	1.65	0.19	0.540	1070
CC-1	N/A	N/A	N/A	N/A
JB-1	1.83	0.43	0.320	184
UDB-1	5.70	0.08	1.015	6130
LDB-1	5.36	0.16	1.105	4280
LRC-1	6.70	0.17	1.675	9470
URC-2	3.77	0.25	0.870	2440
WC-1	2.40	0.21	0.600	1000
TE-1	1.74	0.18	0.462	630
LT-1	N/A	N/A	N/A	N/A
SW-03	2.21	0.15	0.580	374
SW-05	1.70	0.21	0.285	89.0

Table 2 Laboratory Analysis Summary

Site Name	TKN	Nitrate/Nitrite	TP	TSS
Field Blank	<0.10 mg/L	<0.05 mg/L	<0.010 mg/L	<5.0 mg/L

Table 3 QA/QC Data

Quality assurance/quality control (QA/QC) of the data includes a field blank and duplicate sample from each collection event, and is qualified by the OWRB. Relative Percent Difference (RPD) of the duplicate sample can be categorized into four levels, where Level 1 likely has no QA issues and Level 4 has major QA issues, and should be used with caution.

SITE	TG-1	CC-1	JB-1	UDB-1	LDB-1	LRC-1	URC-2	WC-1	TE-1	LT-1
STAGE (ft)	20.27	N/A	18.21	21.57	21.83	22.01	19.05	12.26	15.41	N/A
DISCHARGE (ft ³ /s)	1663	N/A	64.2	867	2090	100	332	206	206	N/A

Table 4 Station Discharge Summary

Discharge Measurement Summary

Date Generated: Mon Oct 22 2018

File Information		Site Details	
File Name	JB.WAD	Site Name	JB
Start Date and Time	2018/09/04 06:49:31	Operator(s)	JTW

System Information		Units (English Units)		Discharge Uncertainty		
Sensor Type	FlowTracker	Distance	ft	Category	ISO	Stats
Serial #	P4709	Velocity	ft/s	Accuracy	1.0%	1.0%
CPU Firmware Version	3.9	Area	ft^2	Depth	0.1%	0.4%
Software Ver	2.30	Discharge	cfs	Velocity	0.5%	2.5%
Mounting Correction	0.0%			Width	0.1%	0.1%
				Method	1.6%	-
				# Stations	1.8%	-
				Overall	2.6%	2.7%

Summary			
Averaging Int.	40	# Stations	28
Start Edge	LEW	Total Width	25.000
Mean SNR	44.0 dB	Total Area	46.325
Mean Temp	73.32 °F	Mean Depth	1.853
Disch. Equation	Mid-Section	Mean Velocity	1.3866
		Total Discharge	64.2346

Supplemental Data					
#	Time	Location	Gauge Height	Rated Flow	Comments
1	Tue Sep 4 07:01:59 CDT 2018	15.500	18.210		

Measurement Results												
St	Clock	Loc	Method	Depth	%Dep	MeasD	Vel	CorrFact	MeanV	Area	Flow	%Q
0	06:49	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>06:49</i>	<i>8.00</i>	<i>0.6</i>	<i>1.800</i>	<i>0.6</i>	<i>0.720</i>	<i>0.0259</i>	<i>1.00</i>	<i>0.0259</i>	<i>8.099</i>	<i>0.2099</i>	<i>0.3</i>
<i>2</i>	<i>06:50</i>	<i>9.00</i>	<i>0.6</i>	<i>2.100</i>	<i>0.6</i>	<i>0.840</i>	<i>0.0253</i>	<i>1.00</i>	<i>0.0253</i>	<i>2.100</i>	<i>0.0531</i>	<i>0.1</i>
<i>3</i>	<i>06:51</i>	<i>10.00</i>	<i>0.6</i>	<i>2.400</i>	<i>0.6</i>	<i>0.960</i>	<i>0.6289</i>	<i>1.00</i>	<i>0.6289</i>	<i>2.400</i>	<i>1.5094</i>	<i>2.3</i>
4	06:53	11.00	0.6	2.800	0.6	1.120	1.2572	1.00	1.2572	2.100	2.6400	4.1
5	06:54	11.50	0.6	2.900	0.6	1.160	1.7349	1.00	1.7349	1.450	2.5156	3.9
6	06:55	12.00	0.6	3.000	0.6	1.200	1.9803	1.00	1.9803	1.500	2.9705	4.6
7	06:56	12.50	0.6	3.000	0.6	1.200	1.9636	1.00	1.9636	1.500	2.9454	4.6
8	06:57	13.00	0.6	3.000	0.6	1.200	1.8681	1.00	1.8681	1.500	2.8022	4.4
9	06:58	13.50	0.6	2.900	0.6	1.160	1.7762	1.00	1.7762	1.450	2.5755	4.0
10	06:59	14.00	0.6	2.900	0.6	1.160	1.7490	1.00	1.7490	1.450	2.5360	3.9
11	06:59	14.50	0.6	3.000	0.6	1.200	2.0112	1.00	2.0112	1.500	3.0167	4.7
12	07:00	15.00	0.6	3.000	0.6	1.200	2.0696	1.00	2.0696	1.500	3.1043	4.8
13	07:02	15.50	0.6	2.800	0.6	1.120	2.1883	1.00	2.1883	1.400	3.0635	4.8
<i>14</i>	<i>07:03</i>	<i>16.00</i>	<i>0.6</i>	<i>2.700</i>	<i>0.6</i>	<i>1.080</i>	<i>2.1457</i>	<i>1.00</i>	<i>2.1457</i>	<i>1.350</i>	<i>2.8968</i>	<i>4.5</i>
<i>15</i>	<i>07:04</i>	<i>16.50</i>	<i>0.6</i>	<i>2.700</i>	<i>0.6</i>	<i>1.080</i>	<i>2.0886</i>	<i>1.00</i>	<i>2.0886</i>	<i>1.350</i>	<i>2.8197</i>	<i>4.4</i>
<i>16</i>	<i>07:05</i>	<i>17.00</i>	<i>0.6</i>	<i>2.700</i>	<i>0.6</i>	<i>1.080</i>	<i>2.1755</i>	<i>1.00</i>	<i>2.1755</i>	<i>1.350</i>	<i>2.9371</i>	<i>4.6</i>
<i>17</i>	<i>07:06</i>	<i>17.50</i>	<i>0.6</i>	<i>2.600</i>	<i>0.6</i>	<i>1.040</i>	<i>2.1142</i>	<i>1.00</i>	<i>2.1142</i>	<i>1.300</i>	<i>2.7485</i>	<i>4.3</i>
<i>18</i>	<i>07:07</i>	<i>18.00</i>	<i>0.6</i>	<i>2.500</i>	<i>0.6</i>	<i>1.000</i>	<i>2.0804</i>	<i>1.00</i>	<i>2.0804</i>	<i>1.250</i>	<i>2.6005</i>	<i>4.0</i>
<i>19</i>	<i>07:08</i>	<i>18.50</i>	<i>0.6</i>	<i>2.500</i>	<i>0.6</i>	<i>1.000</i>	<i>2.0358</i>	<i>1.00</i>	<i>2.0358</i>	<i>1.250</i>	<i>2.5447</i>	<i>4.0</i>
<i>20</i>	<i>07:09</i>	<i>19.00</i>	<i>0.6</i>	<i>2.400</i>	<i>0.6</i>	<i>0.960</i>	<i>2.0131</i>	<i>1.00</i>	<i>2.0131</i>	<i>1.200</i>	<i>2.4157</i>	<i>3.8</i>
<i>21</i>	<i>07:10</i>	<i>19.50</i>	<i>0.6</i>	<i>2.400</i>	<i>0.6</i>	<i>0.960</i>	<i>2.0381</i>	<i>1.00</i>	<i>2.0381</i>	<i>1.200</i>	<i>2.4456</i>	<i>3.8</i>
<i>22</i>	<i>07:11</i>	<i>20.00</i>	<i>0.6</i>	<i>2.400</i>	<i>0.6</i>	<i>0.960</i>	<i>1.6476</i>	<i>1.00</i>	<i>1.6476</i>	<i>1.200</i>	<i>1.9771</i>	<i>3.1</i>
<i>23</i>	<i>07:12</i>	<i>20.50</i>	<i>0.6</i>	<i>2.200</i>	<i>0.6</i>	<i>0.880</i>	<i>1.3829</i>	<i>1.00</i>	<i>1.3829</i>	<i>1.100</i>	<i>1.5213</i>	<i>2.4</i>
24	07:13	21.00	0.6	2.200	0.6	0.880	2.0738	1.00	2.0738	1.100	2.2813	3.6
25	07:14	21.50	0.6	2.100	0.6	0.840	1.7822	1.00	1.7822	1.050	1.8713	2.9
26	07:15	22.00	0.6	2.100	0.6	0.840	1.4239	1.00	1.4239	3.675	5.2329	8.1
27	07:15	25.00	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 JB-1

Station Number:
Station Name: LDB

Meas. No: 0
Date: 09/04/2018

Party: jtw scd	Width: 80.1 ft	Processed by:
Boat/Motor:	Area: 430 ft ²	Mean Velocity: 4.96 ft/s
Gage Height: 21.83 ft	G.H.Change: 0.000 ft	Discharge: 2,090 ft ³ /s

Area Method: Avg. Course	ADCP Depth: 0.270 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: Bottom Track	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U
MagVar Method: None (0.0°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft ²	Diff.: 0.000%
Depth: Composite (VB)	Top Est: Power (0.1667)	Control1: Unspecified	
Discharge Method: None		Control2: Unspecified	
% Correction: 0.00		Control3: Unspecified	

Screening Thresholds:	ADCP:
BT 3-Beam Solution: YES	Type/Freq.: RiverRay / 0 kHz
WT 3-Beam Solution: YES	Serial #: 645654 Firmware: 44.16
BT Error Vel.: 3.28 ft/s	Bin Size: 50 cm Blank: 50 cm
WT Error Vel.: 32.81 ft/s	BT Mode: 0 BT Pings: 1
BT Up Vel.: 32.81 ft/s	WT Mode: 1 WT Pings: 1
WT Up Vel.: 32.81 ft/s	WV : 170
Use Weighted Mean Depth: YES	
Max. Vel.: 13.7 ft/s	
Max. Depth: 8.25 ft	
Mean Depth: 5.42 ft	
% Meas.: 50.94	
Water Temp.: None	
ADCP Temp.: 75.7 °F	

Performed Diag. Test: NO
 Performed Moving Bed Test: NO
 Performed Compass Calibration: YES Evaluation: YES
 Meas. Location:

Project Name: Ldb0904_0.mmt
 Software: 2.17

Tr.#	Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad			
	L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins		
000	L	5	3	221	399	1385	804	46.4	53.3	2688	70	454	17:18	17:20	0.71	5.92	39	0	
002	L	3	3	223	335	1013	626	50.4	40.8	2065	81	522	17:25	17:28	0.79	3.96	48	0	
003	R	3	3	173	258	1024	594	34.8	33.1	1944	71	322	17:28	17:30	0.87	6.04	42	0	
006	L	3	1	235	254	916	409	60.9	13.1	1653	98	434	17:38	17:40	0.71	3.81	58	0	
010	L	3	2	212	397	992	672	33.1	23.5	2117	81	419	17:50	17:53	0.90	5.06	42	0	
Mean		3	2	212	328	1066	621	45.1	32.8	2094	80	430	Total	00:34		0.80	4.96	46	0
SDev		1	1	24	71.1	183	143	11.5	15.5	378	11.4	72.0			0.09	1.05			
SD/M		0.26	0.37	0.11	0.22	0.17	0.23	0.26	0.47	0.18	0.14	0.17			0.11	0.21			

Figure 3 Discharge Summary LDB-1 Part 1

Station Number:
Station Name: LDB

Meas. No: 0
Date: 09/04/2018

Party: jtw scd	Width: 40.2 ft	Processed by:
Boat/Motor:	Area: 249 ft ²	Mean Velocity: 4.28 ft/s
Gage Height: 0.00 ft	G.H.Change: 0.000 ft	Discharge: 790 ft ³ /s

Area Method: Avg. Course	ADCP Depth: 0.270 ft	Index Vel.: 0.00 ft/s	Rating No.: 1
Nav. Method: Bottom Track	Shore Ens.:10	Adj.Mean Vel: 0.00 ft/s	Qm Rating: U
MagVar Method: None (0.0°)	Bottom Est: Power (0.1667)	Rated Area: 0.000 ft ²	Diff.: 0.000%
Depth: Composite (VB)	Top Est: Power (0.1667)	Control1: Unspecified	
Discharge Method: None		Control2: Unspecified	
% Correction: 0.00		Control3: Unspecified	

Screening Thresholds:	ADCP:
BT 3-Beam Solution: YES	Type/Freq.: RiverRay / 0 kHz
WT 3-Beam Solution: YES	Serial #: 645654 Firmware: 44.16
BT Error Vel.: 3.28 ft/s	Bin Size: 50 cm Blank: 50 cm
WT Error Vel.: 32.81 ft/s	BT Mode: 0 BT Pings: 1
BT Up Vel.: 32.81 ft/s	WT Mode: 1 WT Pings: 1
WT Up Vel.: 32.81 ft/s	WV : 170
Use Weighted Mean Depth: YES	
Max. Vel.: 12.3 ft/s	
Max. Depth: 8.15 ft	
Mean Depth: 6.24 ft	
% Meas.: 57.43	
Water Temp.: None	
ADCP Temp.: 75.0 °F	

Performed Diag. Test: NO
 Performed Moving Bed Test: NO
 Performed Compass Calibration: YES Evaluation: YES
 Meas. Location:

Project Name: ldb0904_1.mmt
 Software: 2.17

Tr.#	Edge Distance		#Ens.	Discharge						Width	Area	Time		Mean Vel.		% Bad		
	L	R		Top	Middle	Bottom	Left	Right	Total			Start	End	Boat	Water	Ens.	Bins	
009	R	3	2	181	72.4	532	197	2.61	31.0	836	21	133	17:48	17:50	0.98	6.30	44	0
012	L	3	2	240	158	392	207	74.0	20.4	852	77	468	17:54	17:58	0.58	1.82	53	0
013	R	3	2	157	56.8	437	108	50.5	30.5	683	23	145	17:58	18:00	0.72	4.71	50	0
Mean		3	2	192	95.7	454	171	42.4	27.3	790	40	249	Total	00:11	0.76	4.28	49	0
SDev		0	0	43	54.5	71.7	54.7	36.4	5.99	93.3	31.5	190.1			0.21	2.27		
SD/M		0.00	0.00	0.22	0.57	0.16	0.32	0.86	0.22	0.12	0.78	0.76			0.27	0.53		

Figure 4 Discharge Summary LDB-1 Part 2

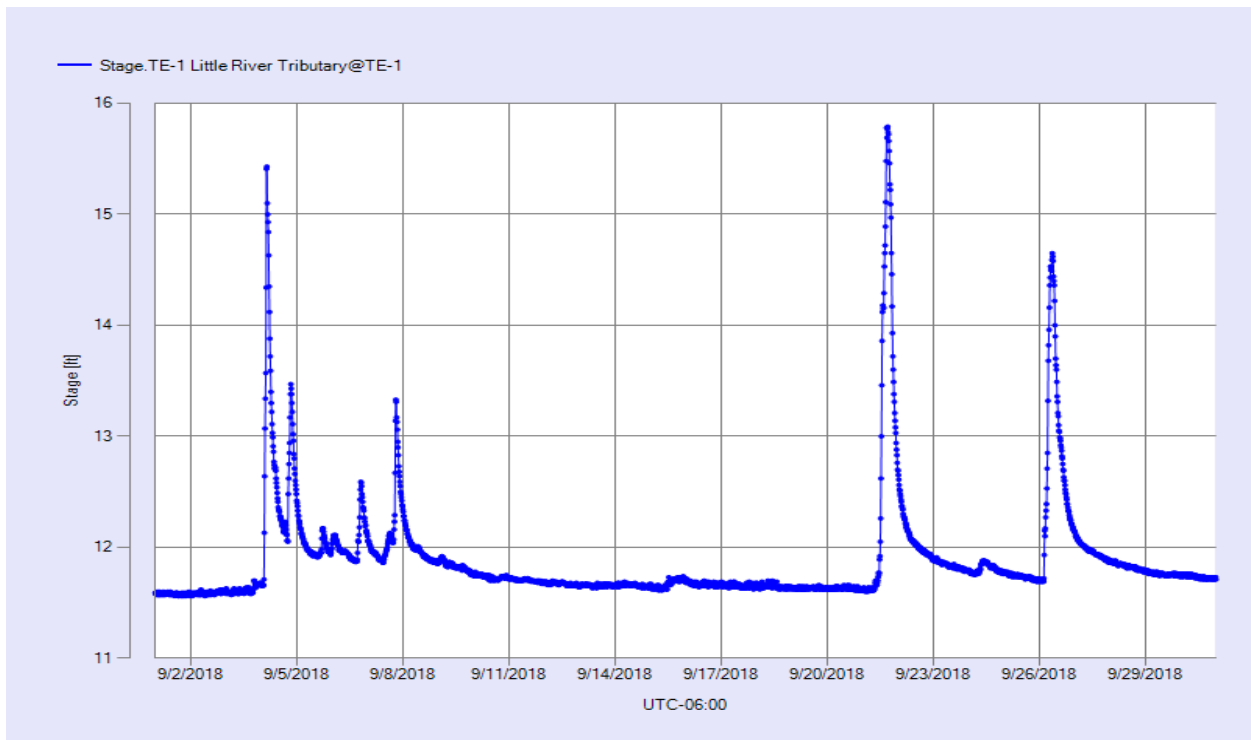


Figure 5 Monthly Hydrograph TE-1

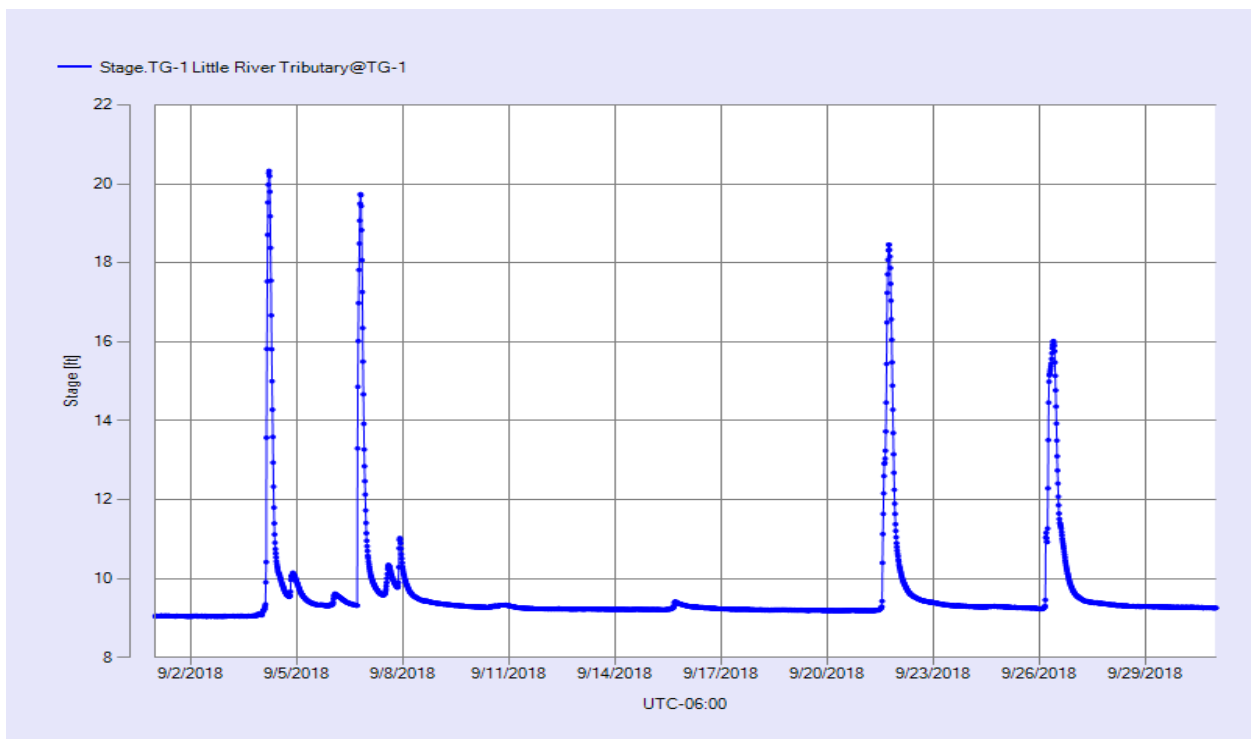


Figure 6 Monthly Hydrograph TG-1

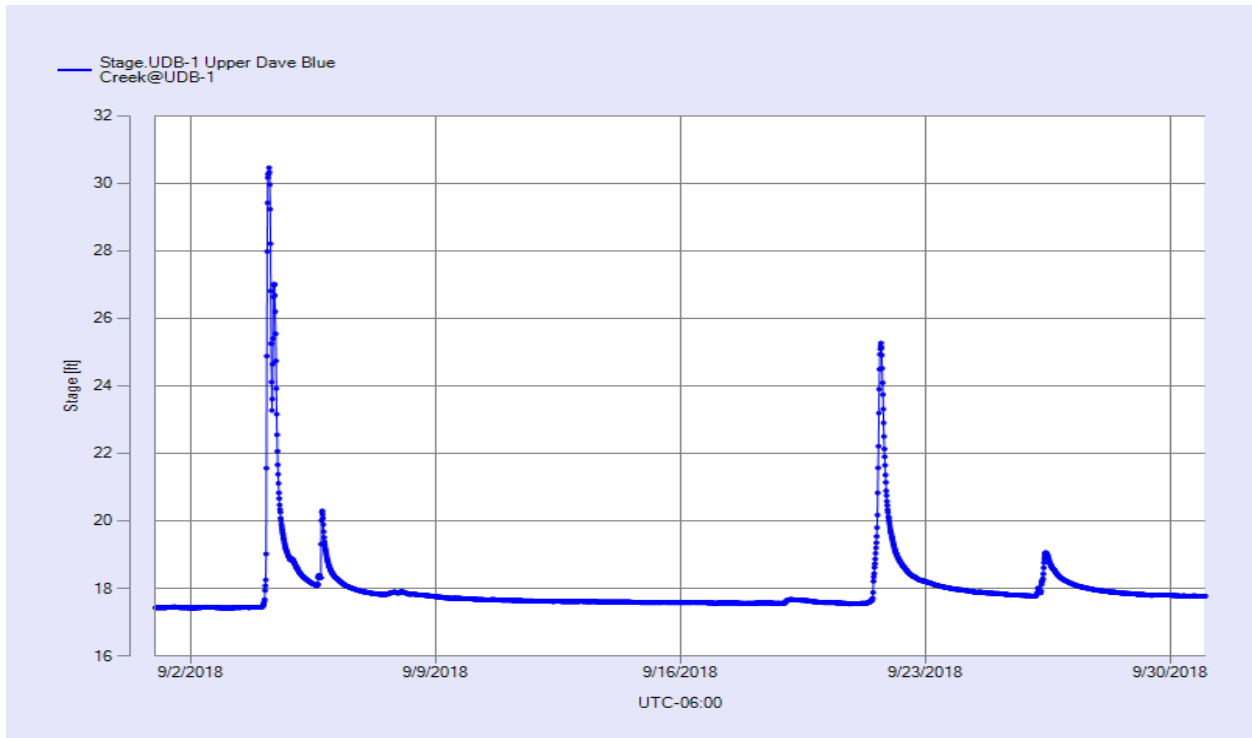


Figure 7 Monthly Hydrograph UDB-1

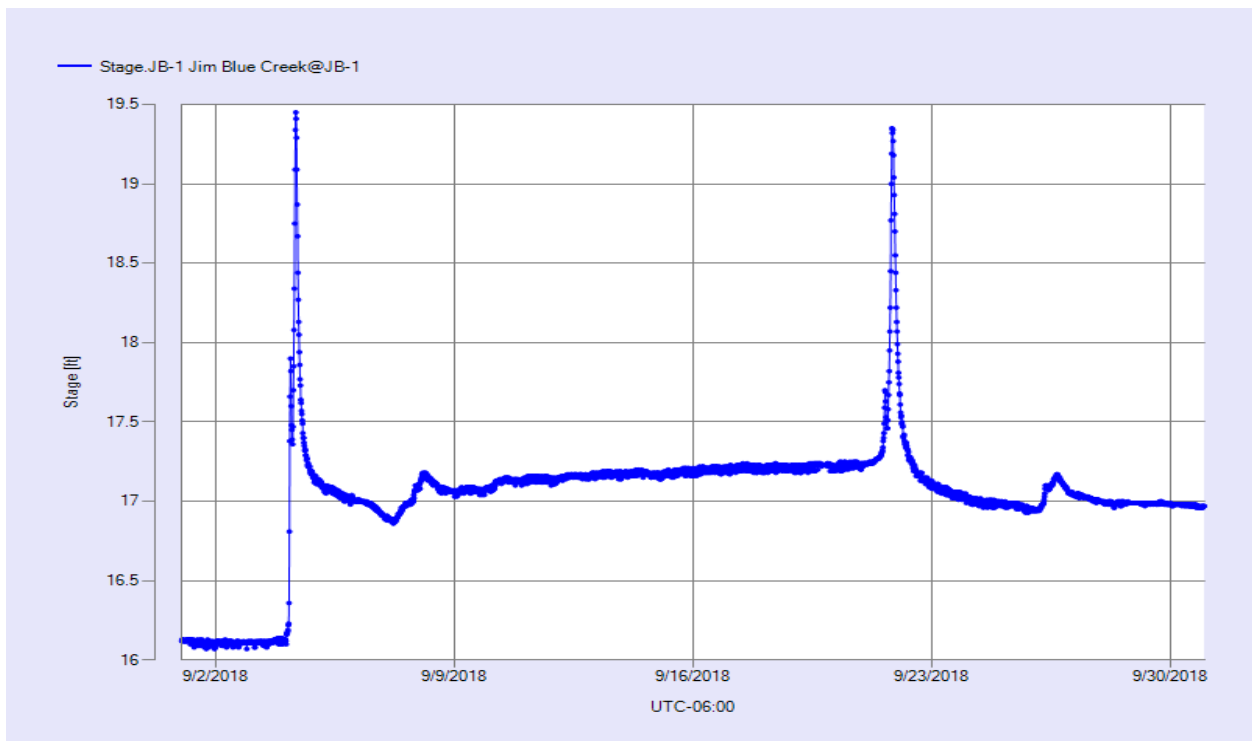


Figure 8 Monthly Hydrograph JB-1

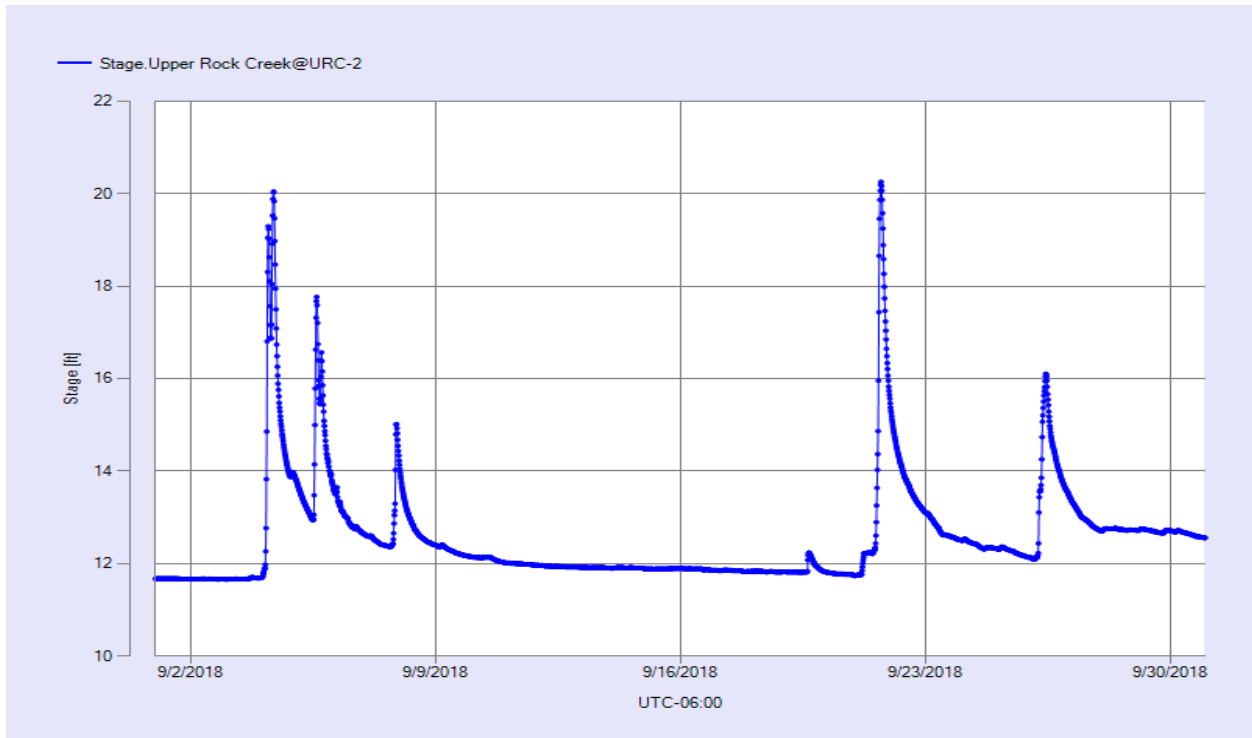


Figure 9 Monthly Hydrograph URC-2

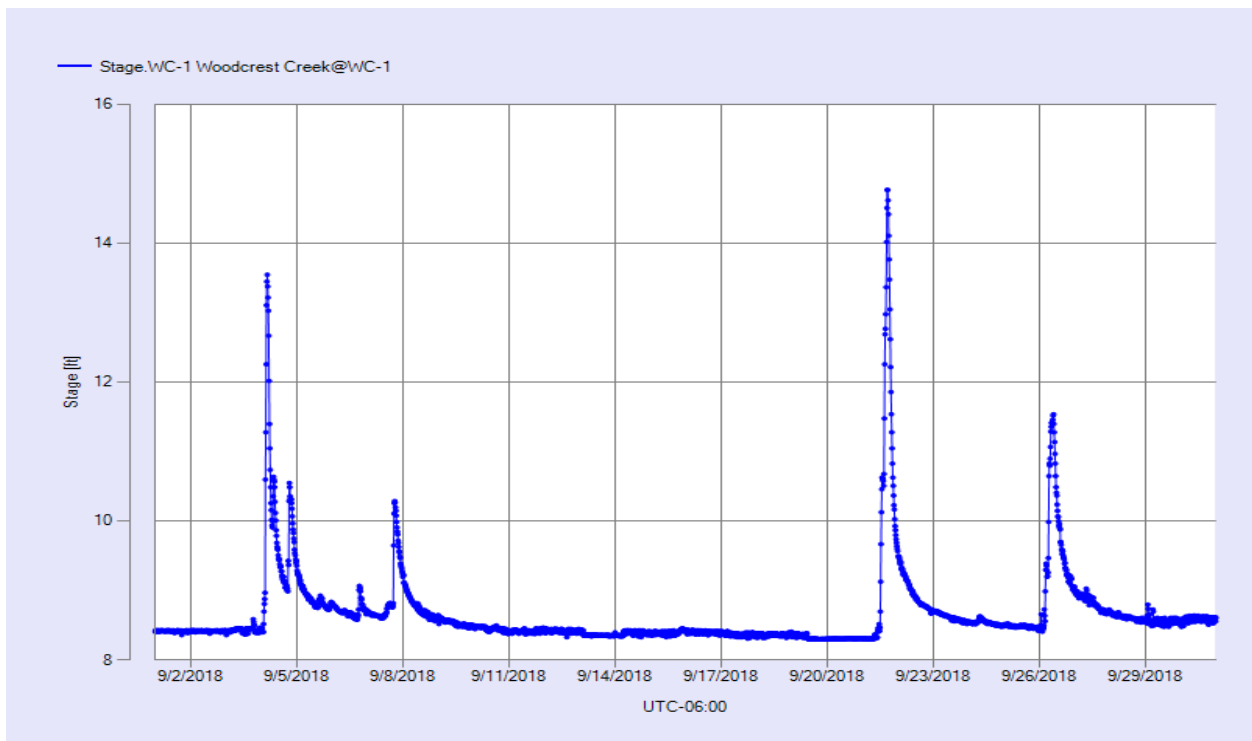


Figure 10 Monthly Hydrograph WC-1

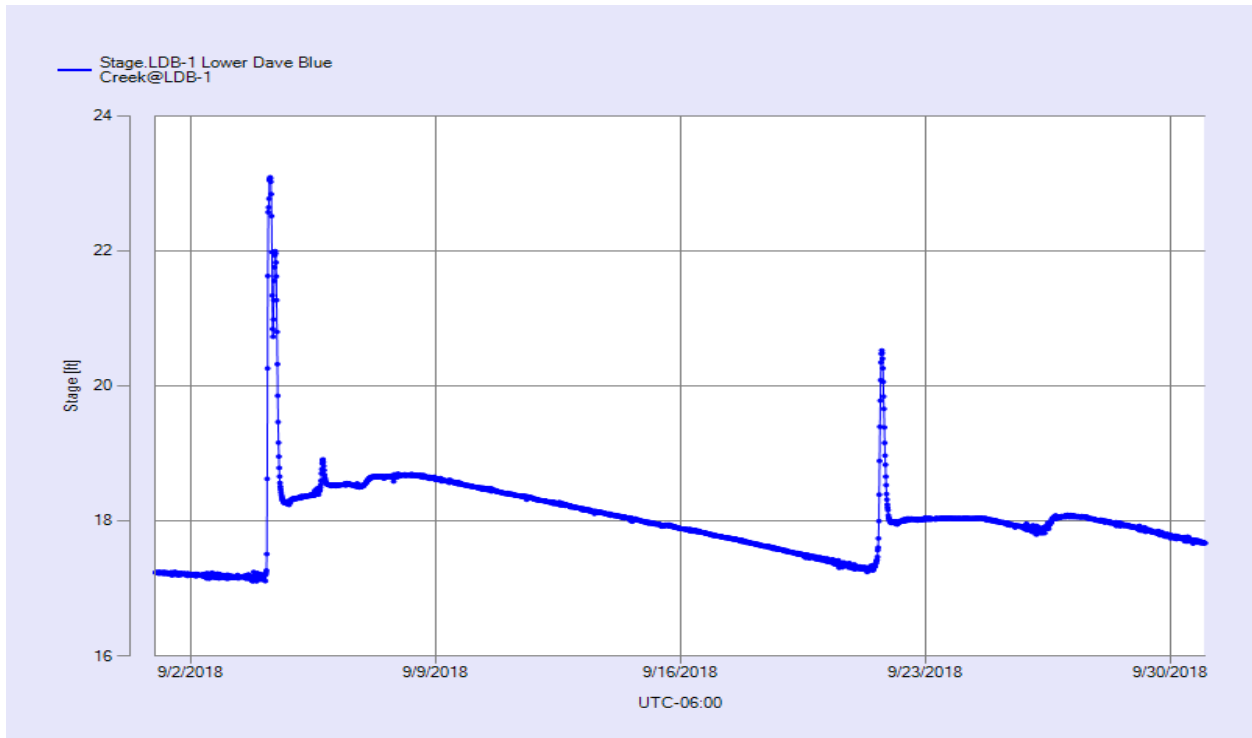


Figure 11 Monthly Hydrograph LDB-1

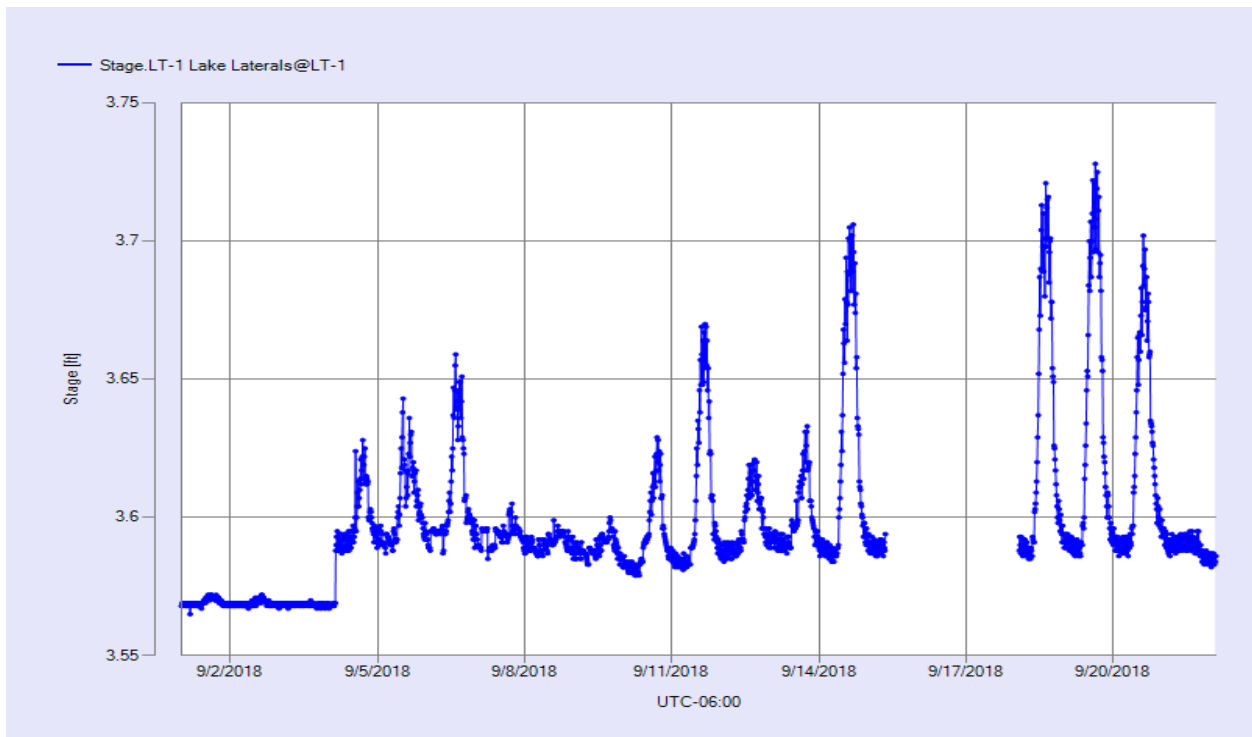


Figure 12 Monthly Hydrograph LT-1

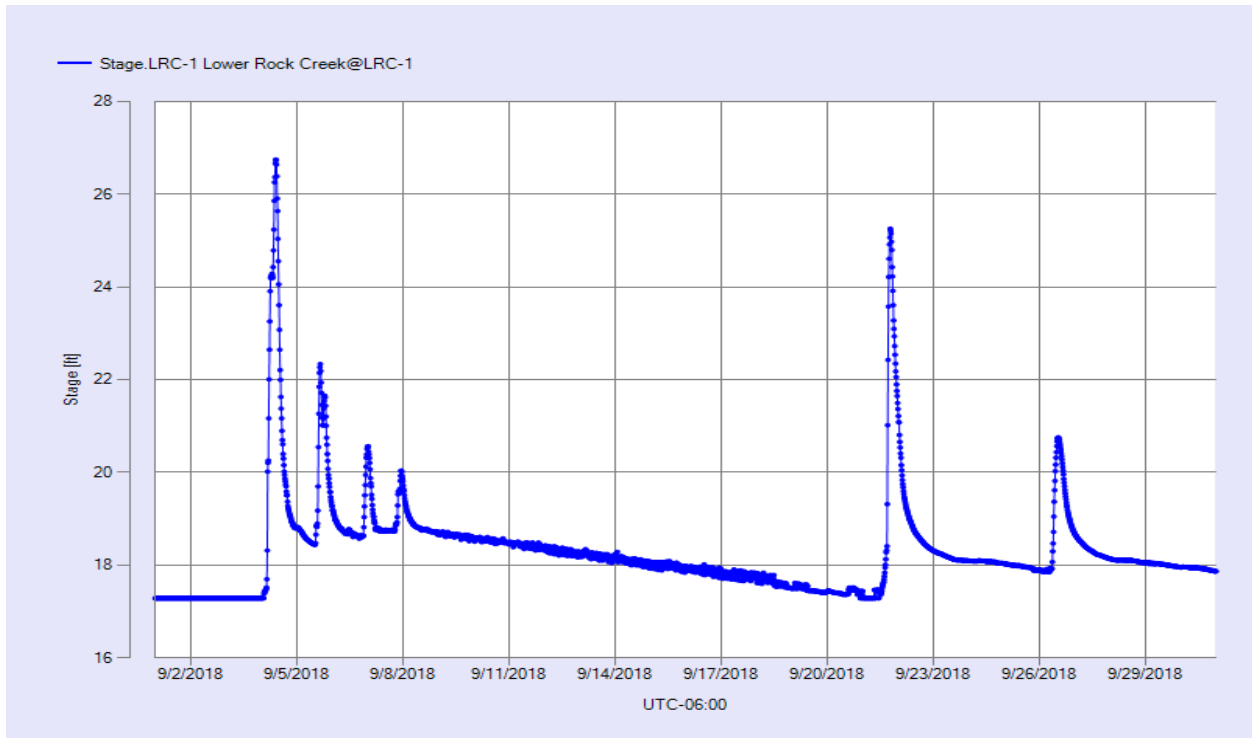


Figure 13 Monthly Hydrograph LRC-1

MESONET CLIMATOLOGICAL DATA SUMMARY
(NRMN) Norman
Latitude: 35-14-09

September 2018
Nearest City: 2.1 NW Norman
Longitude: 97-27-53

Time Zone: Midnight-Midnight CST
County: Cleveland
Elevation: 1171 feet

DAY	TEMPERATURE (°F)				DEG DAYS		HUMIDITY (%)			RAIN	PRESSURE (in)		WIND SPEED (mph)			SOLAR	4" SOIL TEMPERATURES				
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG	(in)	STN	MSL	DIR	AVG	MAX	(MJ/m ²)	SOD	BARE	MAX	MIN	
1	94	74	83.4	68.2	0	19	80	44	61	0.00	28.69	29.93	SE	8.9	22.4	24.55	81.0	87.2	95	81	
2	90	72	80.7	69.7	0	16	85	54	70	0.00	28.70	29.95	SE	9.6	21.3	17.17	80.6	85.8	92	81	
3	84	72	75.4	70.5	0	13	97	66	85	0.09	28.75	30.00	ESE	9.7	26.8	12.89	79.6	82.9	87	80	
4	81	72	74.7	72.2	0	12	98	74	92	2.13	28.76	30.01	SSE	6.9	19.8	8.18	78.0	79.4	82	78	
5	83	72	75.9	72.5	0	13	99	72	90	0.31	28.82	30.08	E	4.5	17.1	14.01	78.8	80.1	85	76	
6	83	72	75.4	72.7	0	13	99	71	91	0.47	28.85	30.10	NNE	4.9	16.2	10.24	78.6	79.6	84	77	
7	77*	71*	73.2*	71.7*	0*	9*	98	85	95	0.71	28.79	30.04	NNE	5.9	14.2	3.70*	77.6	77.5	79	76	
8	73	64	69.8	67.2	0	4	98	80	92	0.06	28.74	29.98	NNE	9.0	18.5	6.10	76.0	75.4	77	74	
9	72	60	65.4	61.1	0	1	98	67	87	0.00	28.74	29.98	NNE	6.4	17.0	9.35	74.0	72.9	76	71	
10	77	55	65.4	59.8	0	1	100	59	84	0.00	28.77	30.02	E	2.9	10.7	16.22	72.3	71.5	78	66	
11	82	61	71.5	64.1	0	6	100	53	79	0.00	28.79	30.04	SE	5.2	16.1	19.42	73.2	73.3	79	68	
12	80*	70*	73.8*	68.5*	0*	10*	93*	68*	84*	0.00*	28.79*	30.04*	SSE*	6.7*	16.2*	NA	74.9*	74.2*	77*	72*	
13	84	70	75.6	69.7	0	12	94	61	83	0.00	28.80	30.05	SSE	7.2	17.0	10.31	75.5	74.5	78	72	
14	89	69	78.6	68.6	0	14	96	48	73	0.00	28.81	30.06	SSE	5.4	17.0	22.15	76.9	76.4	82	71	
15	84	71	75.9	70.9	0	12	97	68	85	0.08	28.83	30.08	NE	3.0	10.0	11.96	77.7	76.6	81	74	
16	88	69	78.3	70.2	0	13	99	53	78	0.00	28.76	30.01	S	3.7	14.6	19.75	78.3	77.7	83	73	
17	90	68	79.9	70.5	0	14	97	51	75	0.00	28.73	29.97	SSE	4.9	15.3	17.48	78.6	78.3	83	73	
18	91	72	81.1	69.7	0	16	93	49	70	0.00	28.71	29.96	S	7.0	22.1	21.27	79.2	81.3	89	74	
19	91	71	81.4	68.0	0	16	89	42	66	0.00	28.68	29.93	S	7.7	23.5	22.00	79.3	83.0	90	76	
20	90	73	80.2	68.3	0	16	85	50	68	0.00	28.67	29.91	S	9.0	24.6	20.43	79.2	83.2	90	77	
21	73	61	68.2	65.5	0	2	98	82	91	2.63	28.78	30.03	NNE	11.5	35.2	1.66	76.4	76.4	82	71	
22	72	60	65.4	59.5	0	1	88	73	82	0.00	28.83	30.08	NE	12.4	28.1	11.28	72.1	70.6	74	68	
23	72	63	66.7	62.8	0	2	95	79	87	0.00	28.74	29.99	NE	6.7	16.4	8.64	72.4	70.8	74	68	
24	78	67	70.0	67.5	0	7	99	74	92	0.09	28.66	29.90	SSE	3.8	13.2	8.22	73.6	72.4	76	70	
25	87	66	74.1	64.5	0	11	100	42	75	0.01	28.70	29.95	SSW	9.5	28.2	20.70	74.6	73.5	79	69	
26	66	50	57.4	51.2	7	0	98	50	81	1.15	28.95	30.21	NE	8.9	29.2	7.61	70.9	66.9	71	64	
27	73	47	60.1	49.7	5	0	99	39	72	0.00	28.81	30.06	SSE	3.0	12.9	21.94	68.2	66.2	74	59	
28	75	59	65.7	61.4	0	2	99	70	87	0.00	28.83	30.08	SSE	8.2	19.2	15.80	70.1	69.1	75	64	
29	76	61	67.6	64.6	0	4	100	76	91	0.00	28.87	30.12	SSE	8.0	19.4	7.65	70.9	69.3	72	67	
30	83	69	73.4	67.6	0	11	96	63	83	0.00	28.84	30.10	S	8.6	19.7	10.43	72.4	71.7	75	70	
	81*	66*	72.8*	66.3*	<- Monthly Averages ->							28.77*	30.02*	SSE*	7.0*	35.2*	13.83*	75.7*	75.9*	81*	72*
Temperature - Highest: 94*							Degree Days - Total HDD: 12*					Number of Days With:									
Lowest: 47*							Total CDD: 270*					Tmax ≥ 90: 6* Rainfall ≥ 0.01 inch: 11*									
Rainfall: Monthly Total: 7.73* in.							Humidity - Highest: 100*					Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 6*									
Greatest 24 Hr: 2.63* in.							Lowest: 39*					Tmin ≤ 32: 0* Avg Wind Speed ≥ 10 mph: 2*									
												Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 1*									

Figure 14 September Mesonet Data