

Kinley Creek Monitoring Sites

Monitoring Data Summary for June 4th, 2020 – July 19th, 2020

Data Gaps

- The KINA station did not experience any interruptions in the data during this monitoring period.
- At the KINB station, the turbidity sensor was buried in sediment from June 9th-10th and the specific conductivity sensor was fouled from July 15th-19th. These periods of data were removed from the dataset.
- DO data was not available at both stations for this monitoring period because the sensors were out for repairs.

SCDHEC Standards

- KINA recorded a maximum pH value of 8.7, which was above the SCDHEC acceptable range of 6 to 8.5. KINB did not record any pH readings that were outside the SCDHEC acceptable range of 6 to 8.5.

Storm Events

- The rain gauge along Kinley Creek recorded 10 storm events during this deployment period that resulted in a total of 4.8 inches of precipitation.
- Both the KINA and KINB stations recorded typical storm response patterns during this monitoring period.

Potential Illicit Discharges and Abnormal Events

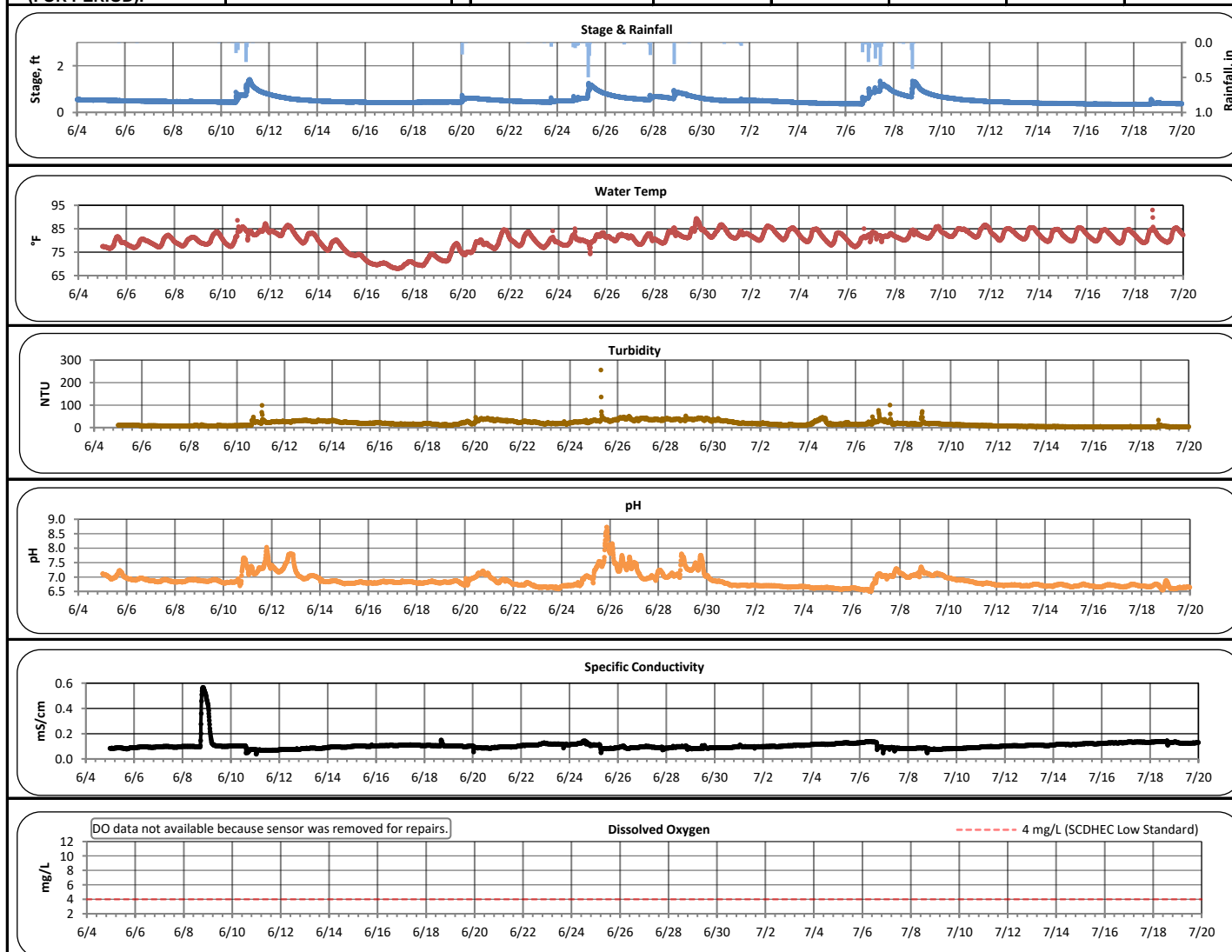
- There was a spike in specific conductivity at KINA and KINB from June 8th-9th that may have been the result of an illicit discharge.

Flow Measurements

- No flow measurements were taken in the Kinley Creek watershed during this monitoring period.

Kinley Creek A (June 4, 2020 - July 19, 2020)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.4	1.4	0.5	0.6	0.2
LOCATION:	Longhorn Steakhouse	TEMPERATURE (°F):	68	93	81	80	4
ADDRESS:	171 Harbison Blvd Columbia, SC 29212	TURBIDITY (NTU):	2	256	17	19	12
COORDINATES:	34.069897, -81.164592	pH:	6.5	8.7	6.8	6.9	0.3
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.039	0.567	0.101	0.105	0.038
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	-	-	-	-	-
SPATIAL LOCATION:	Most upstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	10						
MAX. DAILY RAINFALL:	0.9 inches						
TOTAL RAINFALL (FOR PERIOD):	4.8 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality
Monitoring Periodic Report**

Kinley Creek A (June 4, 2020 - July 19, 2020)

Explanation of Statistics:

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
MAXIMUM OBSERVED	The maximum of the values recorded by the datasonde in 15 minute intervals.
MEDIAN OBSERVED	The median of all the values recorded by the datasonde in 15 minute intervals.
MEAN OBSERVED	The average of all the values recorded by the datasonde in 15 minute intervals.
STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

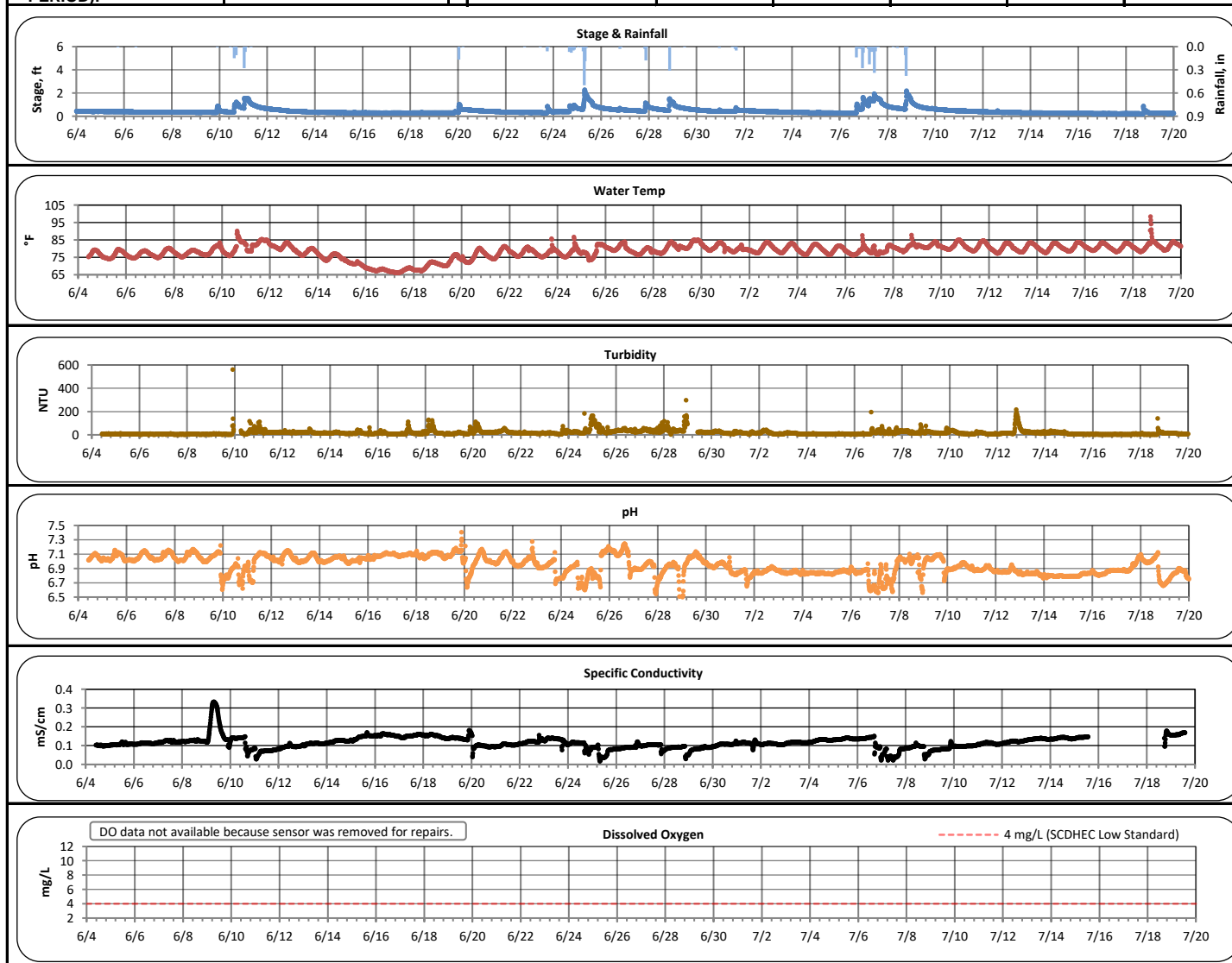
Grab Sample Data:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4		Sample 5	
	6/4/2020									
	Time	Result	Time	Result	-	-	-	-	-	Result
<i>Escherichia coli</i> (MPN/100mL)	9:21	816								
Total Suspended Solids (mg/L)										
Total Phosphorus (mg/L)										
Total Nitrogen (mg/L)										

Note: Sample 1 was taken during dry weather conditions.

Kinley Creek B (June 4, 2020 - July 19, 2020)

PARAMETER	DESCRIPTION	CONTINUOUS WATER QUALITY PARAMETERS:	SUMMARY STATISTICS				
			MINIMUM OBSERVED	MAXIMUM OBSERVED	MEDIAN OBSERVED	MEAN OBSERVED	STANDARD DEVIATION
STREAM NAME:	Kinley Creek	STAGE (FT):	0.3	2.3	0.4	0.5	0.3
LOCATION:	Broken Hill Rd	TEMPERATURE (°F):	66	98	79	78	4
ADDRESS:	609 Broken Hill Rd Columbia, SC 29212	TURBIDITY (NTU):	3	562	15	20	22
COORDINATES:	34.06635, -81.159986	pH:	6.5	7.4	7.0	6.9	0.1
TMDL/IMPAIRMENT:	Fecal Coliform	SPECIFIC CONDUCTIVITY (mS/cm):	0.018	0.334	0.114	0.116	0.033
NEIGHBORING LANDUSE:	Residential and commercial	DISSOLVED OXYGEN (mg/L):	-	-	-	-	-
SPATIAL LOCATION:	Most downstream site						
TOTAL NO. STORMS OVER 0.1 INCH:	10						
MAX. DAILY RAINFALL:	0.9 inches						
TOTAL RAINFALL (FOR PERIOD):	4.8 inches						



Note: Data gaps appear when the sonde is removed for calibration or when the flow depth is below the sensors

**Continuous Water Quality
Monitoring Periodic Report**

Kinley Creek B (June 4, 2020 - July 19, 2020)

Explanation of Statistics:

MINIMUM OBSERVED	The minimum of the values recorded by the datasonde in 15 minute intervals.
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STANDARD DEVIATION	The standard deviation of all the values recorded by the datasonde in 15 minute intervals.

Sampled Data:

Analyte (units)	Sample 1		Sample 2		Sample 3		Sample 4		Sample 5	
	6/4/2020									
	Time	Result	Time	Result	-	-	-	-	-	Result
<i>Escherichia coli</i> (MPN/100mL)	9:38	992								
Total Suspended Solids (mg/L)										
Total Phosphorus (mg/L)										
Total Nitrogen (mg/L)										

Note: Sample 1 was taken during dry weather conditions.