

Table 1.—Discharge, flood peaks, velocities, and stream-channel statistics of river section 10, 10', and 10'20' in Little Buffalo Creek, West Jefferson, North Carolina									
Station name	Distance from station 10, 10', and 10'20' (feet)	Discharge at flood peak (cfs)	Flood peak (feet)	Velocity at flood peak (feet per second)	Velocity at flood peak (feet per second)				Channel width at flood peak (feet)
					10 years	20 years	30 years	50 years	
Little Buffalo Creek at State Highway 88	1000	1240	2800	0.70	0.82	1.01	1.21	1.47	64.0
Little Buffalo Creek 1000 feet upstream	1100	1340	2900	0.83	1.02	1.20	1.44	1.74	64.0
Little Buffalo Creek 2000 feet upstream	1200	1440	3000	0.97	1.20	1.43	1.73	2.04	140
Little Buffalo Creek 3000 feet upstream	1300	1540	3100	1.10	1.34	1.60	1.90	2.34	140
Little Buffalo Creek 4000 feet upstream	1400	1640	3200	1.24	1.48	1.76	2.08	2.64	140
Little Buffalo Creek 5000 feet upstream	1500	1740	3300	1.38	1.62	1.90	2.22	2.88	140
Little Buffalo Creek 6000 feet upstream	1600	1840	3400	1.52	1.76	2.04	2.36	3.12	140
Little Buffalo Creek 7000 feet upstream	1700	1940	3500	1.66	1.90	2.18	2.50	3.36	140
Little Buffalo Creek 8000 feet upstream	1800	2040	3600	1.80	2.04	2.32	2.64	3.60	140
Little Buffalo Creek 9000 feet upstream	1900	2140	3700	1.94	2.18	2.46	2.78	3.84	140
Little Buffalo Creek 10000 feet upstream	2000	2240	3800	2.08	2.32	2.60	2.92	4.08	140
Little Buffalo Creek 11000 feet upstream	2100	2340	3900	2.22	2.46	2.74	3.06	4.32	140
Little Buffalo Creek 12000 feet upstream	2200	2440	4000	2.36	2.60	2.88	3.20	4.56	140
Little Buffalo Creek 13000 feet upstream	2300	2540	4100	2.50	2.74	3.02	3.34	4.80	140
Little Buffalo Creek 14000 feet upstream	2400	2640	4200	2.64	2.88	3.16	3.48	5.04	140
Little Buffalo Creek 15000 feet upstream	2500	2740	4300	2.78	3.02	3.30	3.62	5.28	140
Little Buffalo Creek 16000 feet upstream	2600	2840	4400	2.92	3.16	3.44	3.76	5.52	140
Little Buffalo Creek 17000 feet upstream	2700	2940	4500	3.06	3.30	3.58	3.90	5.76	140
Little Buffalo Creek 18000 feet upstream	2800	3040	4600	3.20	3.44	3.72	4.04	6.00	140
Little Buffalo Creek 19000 feet upstream	2900	3140	4700	3.34	3.58	3.86	4.18	6.24	140
Little Buffalo Creek 20000 feet upstream	3000	3240	4800	3.48	3.72	4.00	4.32	6.48	140
Little Buffalo Creek 21000 feet upstream	3100	3340	4900	3.62	3.86	4.14	4.46	6.72	140
Little Buffalo Creek 22000 feet upstream	3200	3440	5000	3.76	4.00	4.28	4.60	6.96	140
Little Buffalo Creek 23000 feet upstream	3300	3540	5100	3.90	4.14	4.42	4.74	7.20	140
Little Buffalo Creek 24000 feet upstream	3400	3640	5200	4.04	4.28	4.56	4.88	7.44	140
Little Buffalo Creek 25000 feet upstream	3500	3740	5300	4.18	4.42	4.70	5.02	7.68	140
Little Buffalo Creek 26000 feet upstream	3600	3840	5400	4.32	4.56	4.84	5.16	7.92	140
Little Buffalo Creek 27000 feet upstream	3700	3940	5500	4.46	4.70	4.98	5.30	8.16	140
Little Buffalo Creek 28000 feet upstream	3800	4040	5600	4.60	4.84	5.12	5.44	8.40	140
Little Buffalo Creek 29000 feet upstream	3900	4140	5700	4.74	4.98	5.26	5.58	8.64	140
Little Buffalo Creek 30000 feet upstream	4000	4240	5800	4.88	5.12	5.40	5.72	8.88	140
Little Buffalo Creek 31000 feet upstream	4100	4340	5900	5.02	5.26	5.54	5.86	9.12	140
Little Buffalo Creek 32000 feet upstream	4200	4440	6000	5.16	5.40	5.68	6.00	9.36	140
Little Buffalo Creek 33000 feet upstream	4300	4540	6100	5.30	5.54	5.82	6.14	9.60	140
Little Buffalo Creek 34000 feet upstream	4400	4640	6200	5.44	5.68	5.96	6.28	9.84	140
Little Buffalo Creek 35000 feet upstream	4500	4740	6300	5.58	5.82	6.10	6.42	10.08	140
Little Buffalo Creek 36000 feet upstream	4600	4840	6400	5.72	5.96	6.24	6.56	10.32	140
Little Buffalo Creek 37000 feet upstream	4700	4940	6500	5.86	6.10	6.38	6.70	10.56	140
Little Buffalo Creek 38000 feet upstream	4800	5040	6600	6.00	6.24	6.52	6.84	10.80	140
Little Buffalo Creek 39000 feet upstream	4900	5140	6700	6.14	6.38	6.66	6.98	11.04	140
Little Buffalo Creek 40000 feet upstream	5000	5240	6800	6.28	6.52	6.80	7.12	11.28	140
Little Buffalo Creek 41000 feet upstream	5100	5340	6900	6.42	6.66	6.94	7.26	11.52	140
Little Buffalo Creek 42000 feet upstream	5200	5440	7000	6.56	6.80	7.08	7.40	11.76	140
Little Buffalo Creek 43000 feet upstream	5300	5540	7100	6.70	6.94	7.22	7.54	12.00	140
Little Buffalo Creek 44000 feet upstream	5400	5640	7200	6.84	7.08	7.36	7.68	12.24	140
Little Buffalo Creek 45000 feet upstream	5500	5740	7300	6.98	7.22	7.50	7.82	12.48	140
Little Buffalo Creek 46000 feet upstream	5600	5840	7400	7.12	7.36	7.64	7.96	12.72	140
Little Buffalo Creek 47000 feet upstream	5700	5940	7500	7.26	7.50	7.78	8.10	12.96	140
Little Buffalo Creek 48000 feet upstream	5800	6040	7600	7.40	7.64	7.92	8.24	13.20	140
Little Buffalo Creek 49000 feet upstream	5900	6140	7700	7.54	7.78	8.06	8.38	13.44	140
Little Buffalo Creek 50000 feet upstream	6000	6240	7800	7.68	7.92	8.20	8.52	13.68	140
Little Buffalo Creek 51000 feet upstream	6100	6340	7900	7.82	8.06	8.34	8.66	13.92	140
Little Buffalo Creek 52000 feet upstream	6200	6440	8000	7.96	8.20	8.48	8.80	14.16	140
Little Buffalo Creek 53000 feet upstream	6300	6540	8100	8.10	8.34	8.62	8.94	14.40	140
Little Buffalo Creek 54000 feet upstream	6400	6640	8200	8.24	8.48	8.76	9.08	14.64	140
Little Buffalo Creek 55000 feet upstream	6500	6740	8300	8.38	8.62	8.90	9.22	14.88	140
Little Buffalo Creek 56000 feet upstream	6600	6840	8400	8.52	8.76	9.04	9.36	15.12	140
Little Buffalo Creek 57000 feet upstream	6700	6940	8500	8.66	8.90	9.18	9.50	15.36	140
Little Buffalo Creek 58000 feet upstream	6800	7040	8600	8.80	9.04	9.32	9.64	15.60	140
Little Buffalo Creek 59000 feet upstream	6900	7140	8700	8.94	9.18	9.46	9.78	15.84	140
Little Buffalo Creek 60000 feet upstream	7000	7240	8800	9.08	9.32	9.60	9.92	16.08	140
Little Buffalo Creek 61000 feet upstream	7100	7340	8900	9.22	9.46	9.74	10.06	16.32	140
Little Buffalo Creek 62000 feet upstream	7200	7440	9000	9.36	9.60	9.88	10.20	16.56	140
Little Buffalo Creek 63000 feet upstream	7300	7540	9100	9.50	9.74	10.02	10.34	16.80	140
Little Buffalo Creek 64000 feet upstream	7400	7640	9200	9.64	9.88	10.16	10.48	17.04	140
Little Buffalo Creek 65000 feet upstream	7500	7740	9300	9.78	10.02	10.30	10.62	17.28	140
Little Buffalo Creek 66000 feet upstream	7600	7840	9400	9.92	10.16	10.44	10.76	17.52	140
Little Buffalo Creek 67000 feet upstream	7700	7940	9500	10.06	10.30	10.58	10.90	17.76	140
Little Buffalo Creek 68000 feet upstream	7800	8040	9600	10.20	10.44	10.72	11.04	18.00	140
Little Buffalo Creek 69000 feet upstream	7900	8140	9700	10.34	10.58	10.86	11.18	18.24	140
Little Buffalo Creek 70000 feet upstream	8000	8240	9800	10.48	10.72	11.00	11.32	18.48	140
Little Buffalo Creek 71000 feet upstream	8100	8340	9900	10.62	10.86	11.14	11.46	18.72	140
Little Buffalo Creek 72000 feet upstream	8200	8440	10000	10.76	11.00	11.28	11.60	18.96	140
Little Buffalo Creek 73000 feet upstream	8300	8540	10100	10.90	11.14	11.42	11.74	19.20	140
Little Buffalo Creek 74000 feet upstream	8400	8640	10200	11.04	11.28	11.56	11.88	19.44	140
Little Buffalo Creek 75000 feet upstream	8500	8740	10300	11.18	11.42	11.70	12.02	19.68	140
Little Buffalo Creek 76000 feet upstream	8600	8840	10400	11.32	11.56	11.84	12.16	19.92	140
Little Buffalo Creek 77000 feet upstream	8700	8940	10500	11.46	11.70	11.98	12.30	20.16	140
Little Buffalo Creek 78000 feet upstream	8800	9040	10600	11.60	11.84	12.12	12.44	20.40	140
Little Buffalo Creek 79000 feet upstream	8900	9140	10700	11.74	11.98	12.26	12.58	20.64	140
Little Buffalo Creek 80000 feet upstream	9000	9240	10800	11.88	12.12	12.40	12.72	20.88	140
Little Buffalo Creek 81000 feet upstream	9100	9340	10900	12.02	12.26	12.54	12.86	21.12	140
Little Buffalo Creek 82000 feet upstream	9200	9440	11000	12.16	12.40	12.68	13.00	21.36	140
Little Buffalo Creek 83000 feet upstream	9300	9540	11100	12.30	12.54	12.82	13.14	21.60	140
Little Buffalo Creek 84000 feet upstream	9400	9640	11200	12.44	12.68	12.96	13.28	21.84	140
Little Buffalo Creek 85000 feet upstream	9500	9740	11300	12.58	12.82	13.10	13.42	22.08	140
Little Buffalo Creek 86000 feet upstream	9600	9840	11400	12.72	12.96	13.24	13.56	22.32	140
Little Buffalo Creek 87000 feet upstream	9700	9940	11500	12.86	13.10	13.38	13.70	22.56	140
Little Buffalo Creek 88000 feet upstream	9800	10040	11600	13.00	13.24	13.52	13.84	22.80	140
Little Buffalo Creek 89000 feet upstream	9900	10140	11700	13.14	13.38	13.66	13.98	23.04	140
Little Buffalo Creek 90000 feet upstream	10000	10240	11800	13.28	13.52	13.80	14.12	23.28	140
Little Buffalo Creek 91000 feet upstream	10100	10340	11900	13.42	13.66	13.94	14.26	23.52	140
Little Buffalo Creek 92000 feet upstream	10200	10440	12000	13.56	13.80	14.08	14.40	23.76	140
Little Buffalo Creek 93000 feet upstream	10300	10540	12100	13.70	13.94	14.22	14.54	24.00	140
Little Buffalo Creek 94000 feet upstream	10400	10640	12200	13.84	14.08	14.36	14.68	24.24	140
Little Buffalo Creek 95000 feet upstream	10500	10740	12300	13.98	14.22	14.50	14.82	24.48	140
Little Buffalo Creek 96000 feet upstream	10600	10840	12400	14.12	14.36	14.64	14.96	24.72	140
Little Buffalo Creek 97000 feet upstream	10700	10940	12500	14.26	14.50	14.78	15.10	24.96	140
Little Buffalo Creek 98000 feet upstream	10800	11040	12600	14.40	14.64	14.92	15.24	25.20	140
Little Buffalo Creek 99000 feet upstream	10900	11140	12700	14.54	14.78	15.06	15.38	25.44	140
Little Buffalo Creek 100000 feet upstream	11000	11240	12800	14.68	14.92	15.20	15.52	25.68	140
Little Buffalo Creek 101000 feet upstream	11100	11340	12900	14.82	15.06	15.34	15.66	25.92	140
Little Buffalo Creek 102000 feet upstream	11200	11440	13000	14.96	15.20	15.48	15.80	26.16	140
Little Buffalo Creek 103000 feet upstream	11300	11540	13100	15.10	15.34	15.62	15.94	26.40	140
Little Buffalo Creek 104000 feet upstream	11400	11640	13200	15.24	15.48	15.76	16.08	26.64	140
Little Buffalo Creek 105000 feet upstream	11500	11740	13300	15.38	15.62	15.90	16.22	26.88	140
Little Buffalo Creek 106000 feet upstream	11600	11840	13400	15.52	15.76	16.04	16.36	27.12	140
Little Buffalo Creek 107000 feet upstream	11700	11940	13500	15.66	15.90	16.18	16.50	27.36	140
Little Buffalo Creek 108000 feet upstream	11800	12040	13600	15.80	16.04	16.32	16.64	27.60	140
Little Buffalo Creek 109000 feet upstream	11900	12140	13700	15.94	16.18	16.46	16.78	27.84	140
Little Buffalo Creek 110000 feet upstream	12000	12240	13800	16.08	16.32	16.60	16.92	28.08	140
Little Buffalo Creek 111000 feet upstream	12100	12340	13900	16.22	16.46	16.74	17.06	28.32	140
Little Buffalo Creek 112000 feet upstream	12200	12440	14000	16.36	16.60	16.88	17.20	28.56	140
Little Buffalo Creek 113000 feet upstream	12300	12540	14100	16.50	16.74	17.02	17.34	28.80	140
Little Buffalo Creek 114000 feet upstream	12400	12640	14200	16.64	16.88	17.16	17.48	29.04	140
Little Buffalo Creek 115000 feet upstream	12500	12740	14300	16.78	17.02	17.30	17.62	29.28	140