APPENDIX

Appendix A. Concentration and estimated cumulative dye load of rhodamine-WT dye at selected sites on Shoal Creek during the July 2001 dye-trace study

[μg/L, micrograms per liter; g/sec, grams per second; --, no data; bold and underline indicate peak concentration or center of dye load]

Site (fig. 2)	Date	Time	Dye concentration (μg/L)	Cumulative dye load (g/sec)
2	07/23/01	1833	0.45	--
	07/23/01	1835	.67	0
	07/23/01	1837	1.02	0
	07/23/01	1839	58.0	.8
	07/23/01	1840	315	3.1
	07/23/01	1841	600	8.8
	07/23/01	1842	1,740	23.3
	07/23/01	1843	**2,070**	46.9
	07/23/01	1844	1,760	70.7
	07/23/01	1845	1,550	91.2
2	07/23/01	1846	1,295	108.8
	07/23/01	1847	1,108	123.7
	07/23/01	1848	882	136.1
	07/23/01	1851	607	163.8
	07/23/01	1853	592	178.6
	07/23/01	1855	635	193.9
	07/23/01	1858	668	218.1
	07/23/01	1900	620	234.1
	07/23/01	1902	450	**247.3**
	07/23/01	1904	378	257.6
2	07/23/01	1906	373	266.9
	07/23/01	1910	276	283.0
	07/23/01	1914	289	297.0
	07/23/01	1918	274	311.0
	07/23/01	1922	206	322.9
	07/23/01	1926	220	333.5
	07/23/01	1930	179	343.4
	07/23/01	1940	153	364.0
	07/23/01	1950	149	382.7
	07/23/01	2000	90.8	397.6
2	07/23/01	2010	68.3	407.4
	07/23/01	2020	56.2	415.1
	07/23/01	2030	48.9	421.7
	07/23/01	2040	43.2	427.4
	07/24/01	0110	.80	501.0
	07/24/01	0640	.07	502.8
	07/24/01	1240	.06	503.1
	07/25/01	0705	.07	504.0
2a	07/23/01	1900	.04	--
	07/23/01	1915	.04	0
	07/23/01	1930	.04	0
	07/23/01	1940	.04	0
	07/23/01	1950	.05	.1
	07/23/01	1955	.05	.1
	07/23/01	2000	.05	.1
	07/23/01	2005	.05	.1
	07/23/01	2015	.05	.1
	07/23/01	2025	.05	.1
2a	07/23/01	2035	0.05	0.1
	07/23/01	2045	.05	.1
	07/23/01	2055	.05	.1
	07/23/01	2105	.05	.1
	07/23/01	2120	.05	.2
	07/23/01	2130	.05	.2
	07/23/01	2145	.06	.2
	07/23/01	2155	.05	.2
	07/23/01	2230	.05	.3
	07/23/01	2255	.06	.3
2a	07/23/01	2310	.05	.3
	07/23/01	2320	.06	.3
	07/23/01	2335	.54	.4
	07/23/01	2355	.62	.7
	07/24/01	0000	.65	.8
	07/24/01	0006	1.11	.9
	07/24/01	0010	1.45	1.1
	07/24/01	0012	1.68	1.1
	07/24/01	0015	2.28	1.3
	07/24/01	0025	5.23	2.2
2a	07/24/01	0035	8.26	3.9
	07/24/01	0045	15.12	6.9
	07/24/01	0055	23.43	11.7
	07/24/01	0105	32.89	18.8
	07/24/01	0115	37.92	27.7
	07/24/01	0125	45.15	38.2
	07/24/01	0135	52.28	50.4
	07/24/01	0145	60.74	64.6
	07/24/01	0155	66.32	80.6
	07/24/01	0205	**69.79**	97.7
2a	07/24/01	0215	67.71	115.0
	07/24/01	0225	67.01	131.9
	07/24/01	0235	68.40	149.0
	07/24/01	0245	66.04	165.9
	07/24/01	0305	58.63	197.2
	07/24/01	0315	52.99	**211.3**
	07/24/01	0345	37.99	245.6
	07/24/01	0430	27.72	282.8
	07/24/01	0510	19.80	306.7
	07/24/01	0555	12.25	324.8
2a	07/24/01	0655	9.58	341.3
	07/24/01	0800	5.88	353.9
	07/24/01	0920	3.74	363.6
	07/24/01	1040	2.80	370.1
	07/24/01	1255	2.10	378.5
	07/24/01	1850	1.22	393.3
	07/25/01	0110	1.01	404.0
	07/25/01	0720	.73	412.0

Appendix A. Concentration and estimated cumulative dye load of rhodamine-WT dye at selected sites on Shoal Creek during the July 2001 dye-trace study—Continued

[μg/L, micrograms per liter; g/sec, grams per second; --, no data; bold and underline indicate peak concentration or center of dye load]

Site (fig. 2)	Date	Time	Dye concentration (μg/L)	Cumulative dye load (g/sec)
2b	07/24/01	0010	0.05	--
	07/24/01	0215	.06	0.2
	07/24/01	0255	.09	.3
	07/24/01	0320	.12	.3
	07/24/01	0330	.08	.4
	07/24/01	0340	.08	.4
	07/24/01	0350	.08	.4
	07/24/01	0408	.12	.4
	07/24/01	0415	.21	.5
	07/24/01	0425	.33	.5
2b	07/24/01	0435	.66	.7
	07/24/01	0445	1.11	.9
	07/24/01	0455	1.57	1.2
	07/24/01	0505	2.40	1.7
	07/24/01	0515	3.65	2.5
	07/24/01	0525	5.54	3.7
	07/24/01	0535	7.35	5.3
	07/24/01	0545	9.25	7.4
	07/24/01	0555	13.12	10.3
	07/24/01	0605	16.61	14.1
2b	07/24/01	0615	19.56	18.7
	07/24/01	0625	22.47	24.0
	07/24/01	0635	25.82	30.2
	07/24/01	0645	28.66	37.1
	07/24/01	0655	30.55	44.7
	07/24/01	0705	33.35	52.8
	07/24/01	0715	35.14	61.6
	07/24/01	0725	34.99	70.5
	07/24/01	0735	37.92	79.8
	07/24/01	0745	**39.37**	89.6
2b	07/24/01	0755	36.46	99.3
	07/24/01	0805	37.92	108.8
	07/24/01	0815	37.92	118.4
	07/24/01	0825	37.92	128.1
	07/24/01	0835	34.99	137.4
	07/24/01	0845	34.99	146.3
	07/24/01	0855	34.26	155.1
	07/24/01	0905	31.48	**163.5**
	07/24/01	0915	30.55	171.4
	07/24/01	0925	28.90	179.0
2b	07/24/01	0935	26.29	186.0
	07/24/01	0945	25.82	192.7
	07/24/01	0955	24.86	199.1
	07/24/01	1010	22.71	208.2
	07/24/01	1025	20.77	216.5
	07/24/01	1047	17.60	227.3
	07/24/01	1145	10.23	247.9
	07/24/01	1305	7.09	265.5
	07/24/01	1515	3.76	283.5
	07/24/01	1645	3.19	291.5
2b	07/24/01	1840	2.37	299.6
	07/25/01	0100	1.57	318.7
	07/25/01	0730	1.24	332.7
2c	07/24/01	0605	.21	--
	07/24/01	0635	.04	.1
	07/24/01	0710	.05	.2
	07/24/01	0820	.05	.3
	07/24/01	0900	.04	.4
	07/24/01	1000	.14	.6
	07/24/01	1040	.42	1.1
	07/24/01	1055	.67	1.4
	07/24/01	1105	.95	1.7
	07/24/01	1115	1.05	2.1
2c	07/24/01	1125	1.30	2.6
	07/24/01	1135	1.75	3.2
	07/24/01	1145	2.19	4.0
	07/24/01	1155	2.74	5.0
	07/24/01	1205	3.71	6.3
	07/24/01	1215	4.62	7.9
	07/24/01	1225	5.05	9.9
	07/24/01	1235	5.65	12.0
	07/24/01	1245	6.08	14.4
	07/24/01	1255	7.76	17.2
2c	07/24/01	1305	8.18	20.4
	07/24/01	1315	8.76	23.8
	07/24/01	1325	9.58	27.4
	07/24/01	1335	9.99	31.4
	07/24/01	1345	10.39	35.4
	07/24/01	1355	12.11	40.0
	07/24/01	1405	12.61	44.9
	07/24/01	1415	12.87	50.0
	07/24/01	1425	13.12	55.2
	07/24/01	1435	13.37	60.5
2c	07/24/01	1445	13.62	66.0
	07/24/01	1455	13.87	71.5
	07/24/01	1505	**14.37**	77.1
	07/24/01	1515	13.87	82.8
	07/24/01	1525	13.62	88.3
	07/24/01	1535	13.87	93.8
	07/24/01	1545	13.62	99.3
	07/24/01	1555	13.12	104.7
	07/24/01	1605	12.87	109.9
	07/24/01	1615	12.87	115.1
2c	07/24/01	1625	12.87	120.2
	07/24/01	1655	12.11	**135.2**
	07/24/01	1830	7.43	172.5
	07/25/01	0040	2.57	246.6
	07/25/01	0738	1.15	277.8

Appendix A. Concentration and estimated cumulative dye load of rhodamine-WT dye at selected sites on Shoal Creek during the July 2001 dye-trace study—Continued

[μg/L, micrograms per liter; g/sec, grams per second; --, no data; bold and underline indicate peak concentration or center of dye load]

Site (fig. 2)	Date	Time	Dye concentration (μg/L)	Cumulative dye load (g/sec)
3	07/24/01	1335	0.05	--
	07/24/01	1545	1.08	3.1
	07/24/01	1613	2.02	4.9
	07/24/01	1633	2.74	6.9
	07/24/01	1643	3.20	8.1
	07/24/01	1653	3.65	9.5
	07/24/01	1703	4.27	11.2
	07/24/01	1713	5.23	13.2
	07/24/01	1723	5.91	15.5
	07/24/01	1733	6.42	18.1
3	07/24/01	1749	7.26	22.7
	07/24/01	1758	7.93	25.5
	07/24/01	1809	8.67	29.3
	07/24/01	1820	9.58	33.5
	07/24/01	1828	9.90	36.8
	07/24/01	1838	10.23	41.0
	07/24/01	1848	12.11	45.7
	07/24/01	1858	10.88	50.5
	07/24/01	1908	12.11	55.3
	07/24/01	1918	12.61	60.4
3	07/24/01	1928	13.12	65.8
	07/24/01	1938	13.12	71.3
	07/24/01	1956	13.37	81.3
	07/24/01	2009	13.62	88.6
	07/24/01	2020	12.33	94.6
	07/24/01	2034	13.62	102.2
	07/24/01	2048	**14.12**	110.3
	07/24/01	2058	13.62	116.1
	07/24/01	2105	13.62	120.1
	07/24/01	2115	13.12	125.7
3	07/24/01	2125	13.12	131.1
	07/24/01	2135	13.12	136.6
	07/24/01	2143	12.61	140.9
	07/24/01	2255	9.90	**174.8**
	07/24/01	2305	9.41	178.8
	07/24/01	2315	9.23	182.7
	07/24/01	2325	8.76	186.5
	07/24/01	2335	8.59	190.1
	07/24/01	2345	8.26	193.7
	07/25/01	0005	7.91	200.4
3	07/25/01	0048	6.93	213.7
	07/25/01	0147	7.09	231.0
	07/25/01	0755	1.90	300.2
	07/25/01	1450	1.20	327.1
4	07/25/01	1300	.10	--
	07/25/01	1430	.29	.7
	07/25/01	1945	2.74	20.7
	07/26/01	1030	1.84	105.5