

Table S5 Results of the three continuous monitoring sites.

Xundian spring (S7)										
Date(yyyy/mm/dd)	pH	EC( $\mu$ S/cm)	Temperature( $^{\circ}$ C)	Na <sup>+</sup> (mg/L)	CP detection Joinpoint	Cl <sup>-</sup> (mg/L)	CP detection Joinpoint	SO <sub>4</sub> <sup>2-</sup> (mg/L)	CP detection Joinpoint	TDS(mg/L)
4/10/2019				126.20		17.82		485.06		1133.73
4/23/2019	7.65	1299	58.6	125.09		17.07		478.38		925.31
5/1/2019	6.97	1789	58.4	126.35		17.12		492.72		1261.52
5/4/2019	7.55	1447	58.4	127.48		17.47		494.30		1047.47
5/7/2019	6.91	1785	58.4	125.63		17.56		487.58		1247.49
5/10/2019	6.94	1800	58.5	125.13		18.00		491.93		1263.71
5/13/2019	7.48	1517	58.5	125.97		17.17		485.39		1113.77
5/16/2019	6.87	1810	58.6	126.11		19.32		484.06		1226.85
5/19/2019	7.44	1564	58.6	127.35		18.32		498.96		1252.18
5/22/2019	7.06	1781	58.6	125.13		17.60		489.24		1233.49
5/25/2019	6.79	1797	58.5	126.35		17.48		491.36		1211.73
5/28/2019	6.88	1785	58.5	125.09		17.28		490.50		1215.82
5/31/2019	6.89	1784	58.5	123.91		18.16		495.60		1254.16
6/3/2019	6.88	2020	58.5	125.79		16.85		473.84		
6/6/2019	6.93	2014	58.5	116.50		15.93		445.05		
6/9/2019	7.34	2003	58.5	123.64		16.93		477.31		
6/12/2019	7.09	1982	58.7	120.39		16.54		462.88		
6/15/2019	6.88	1984	58.6	115.84		15.82		444.05		
6/18/2019	6.89	1991	58.6	122.19		16.65		471.24		
6/21/2019	6.85	1977	58.6	120.44		16.46		464.17		
6/24/2019	6.88	1954	58.6	121.22		16.61		468.18		
6/27/2019	7.03	1957	58.6	121.46		16.53		467.83		
6/30/2019	6.8	1959	58.5	121.12		16.47		466.55		
7/3/2019	7.71	1294	58.7	124.66		23.50		469.42		1259.44
7/6/2019	7.92	1179	58.7	122.08		16.07		457.15		1170.62
7/9/2019	7.73	1252	58.5	123.39		16.49		462.74		1196.17
7/12/2019	7.84	1195	58.4	123.99		16.65		472.74		1250.42
7/15/2019	7.09	1579	58.4	122.56		16.56		475.70		1215.91
7/18/2019	7.88	1189	58.5	120.42		16.27		468.69		1231.81
7/21/2019	7.75	1195	58.6	117.49		16.35		464.59		1214.92
7/24/2019	7.77	1148	58.4	121.11		16.39		462.24		1072.37
7/27/2019	7.23	1704	58.4	120.02		17.30		481.74		1247.32
7/30/2019	7.49	1480	58.1	115.90		17.46		488.15		1243.95
8/2/2019	7.08	1635	58.2	124.58		17.62		476.10		1171.97
8/5/2019	6.63	1671	58.3	124.79		17.12		479.06		1210.09
8/8/2019	6.57	1664	58.4	123.53		17.98		472.01		1182.78
8/11/2019	7.19	1602	58.4	124.74		17.60		476.10		1175.52
8/14/2019	6.66	1669	58.3	122.52		17.19		456.86		1175.95
8/17/2019	7.22	1367	58.5	123.15		17.54		474.85		1203.58
8/20/2019	6.49	1669	58.5	122.08		19.17		470.73		1214.28
8/23/2019	6.89	1623	58.4	122.91		17.20		476.25		1178.00
8/26/2019	6.51	1664	58.4	122.41		16.95		493.32		1257.95
8/29/2019	6.96	1657	58.4	122.04		16.92		473.02		1190.87
9/1/2019	6.65	1772	58.4	120.28		16.84		456.65		1271.16
9/4/2019	6.77	1775	58.4	121.08		16.93		460.84		1281.49
9/7/2019	6.66	1772	58.4	120.72		16.94		460.68		1277.42
9/10/2019	6.81	1763	58.3	120.77		16.72		459.31		1238.53
9/19/2019	6.64	1774	58.4	121.14		16.61		460.87		1246.42
9/22/2019	6.7	1769	58.4	119.27		16.65		453.85		1239.15
9/25/2019	6.64	1768	58.3	119.95		16.47		457.95		1245.14
9/28/2019	6.72	1768	58.4	119.60		16.55		457.58		1241.94
10/1/2019	6.84	1796	58.6	127.37		17.61		471.29		1144.73
10/4/2019	6.81	1787	58.6	126.33		17.43		467.68		1256.33
10/7/2019	6.79	1774	58.4	126.78		17.38		469.11		1263.10
10/10/2019	6.83	1782	58.6	124.90		17.17		461.17		1208.07
10/13/2019	6.78	1784	58.3	126.58		17.34		468.30		1265.55
10/16/2019	6.77	1783	58.4	124.99		17.46		462.87		1248.00
10/19/2019	6.75	1784	58.2	127.14		17.49		471.04		1257.54
10/22/2019	6.82	1799	58.2	124.44		17.37		459.14		1243.25

10/25/2019	6.74	1792	58.4	124.26	17.06	459.23	1242.65
10/28/2019	6.82	1806	58.4	126.43	17.38	468.35	1260.86
10/31/2019	6.76	1778	58.4	121.61	16.70	447.79	1215.72
11/3/2019	6.67	1812	58.3	126.58	17.54	460.53	1246.70
11/6/2019	6.74	1816	58.3	125.74	16.86	454.62	1231.07
11/9/2019	6.69	1833	58.4	126.78	16.48	447.59	1225.65
11/12/2019	6.76	1826	58.4	126.22	21.21	464.17	1253.41
11/15/2019	6.7	1845	58.3	125.82	17.12	462.10	1251.19
11/18/2019	6.98	1856	58.5	126.46	17.06	465.23	1255.29
11/21/2019	6.98	1824	58.3	128.56	17.42	471.50	1273.10
11/24/2019	6.72	1845	58.2	125.24	16.82	458.96	1243.42
11/27/2019	6.73	1841	58.2	124.68	16.63	457.27	1240.58
11/30/2019			58.4	126.67	16.92	464.94	1250.89
12/3/2019	6.63	1820	58.4	121.35	16.54	469.67	1245.41
12/6/2019	6.6	1812	58	121.38	16.45	466.44	1234.67
12/9/2019	6.58	1859	58.3	121.84	16.17	465.60	1232.90
12/12/2019	6.58	1818	58.1	121.26	16.25	465.40	1234.16
12/15/2019	6.53	1838	58.1	121.33	16.56	466.62	1234.33
12/18/2019	6.6	1851	58.1	122.69	16.71	472.03	1253.07
12/21/2019	6.77	1828	58.2	122.19	16.34	470.75	1241.02
12/24/2019	6.52	1828	58.2	123.11	17.27	473.80	1248.90
12/27/2019	6.55	1835	58.2	122.14	16.59	468.37	1246.93
12/30/2019	6.56	1842	58	122.14	16.58	468.39	1244.05
1/2/2020	7.09	1815		132.00	18.36	431.07	1270.43
1/5/2020	7.13	1823		124.98	18.46	510.74	1293.73
1/8/2020	7.09	1869		134.45	19.12	442.72	1294.53
1/11/2020	6.97	1943		131.23	18.94	438.72	1285.08
1/14/2020	6.99	1952		134.19	19.05	469.00	1318.60
1/17/2020	6.97	1946		132.63	18.54	402.88	1246.51
1/20/2020	7.09	1926		129.26	18.50	383.04	1212.12
1/23/2020	7.07	1932		131.32	18.50	425.07	1261.86
1/26/2020	7.23	1902		126.47	18.20	508.20	1329.29
1/29/2020	6.98	1946		128.99	18.75	513.74	1336.35
2/4/2020	6.99	1948		126.88	20.05	508.29	1334.43
2/7/2020	7.02	1931		128.97	18.96	507.27	1326.77
2/10/2020	7.05	1874		128.48	18.41	512.30	1342.11
2/13/2020	7.04	1952		129.60	18.64	522.15	1346.24
2/16/2020	6.87	1948		127.06	18.41	536.96	1358.22
2/19/2020	7.25	1743		129.74	18.66	517.56	1332.21
2/22/2020	7.21	1881		127.45	19.93	502.58 Joinspace 1	1322.70
2/25/2020	7.1	1945		128.12	18.43	512.22	1324.53
2/28/2020	6.88	1945		127.27	19.33	511.82	1329.95
3/2/2020	6.78	1966		117.56	16.74	458.96 Joinspace 2	1241.50
3/5/2020	7.07	1744		128.33	18.39	522.82	1340.30
3/8/2020	6.86	1953		127.83	19.03	513.94	1344.38
3/11/2020	7.07	1956		127.16	18.76	507.10	1335.03
3/14/2020	7.21	1928		120.12	18.13	477.87	1268.16
3/17/2020	7.26	1917		125.19	17.94	513.45	1320.73
3/20/2020	6.9	1975		130.73	18.85	518.44	1347.25
3/23/2020	6.87	1945		127.32	18.88	508.62	1331.87
3/26/2020	6.93	1947		122.47	17.86	486.07	1297.86
3/29/2020	6.88	1948		129.01	19.46	509.52	1335.10
4/1/2020	6.81	1945		127.02	18.31	532.69	1350.09
4/4/2020	7.01	1823		128.55	19.07	520.66	1344.51
4/7/2020	6.81	1937		127.39	18.39	515.43	1333.54
4/10/2020	7.06	1732		127.91	18.71	548.63	1349.32
4/13/2020	6.82	1942		127.23	17.86	512.65	1337.84
4/16/2020	7.07	1946		127.43	18.38	535.13	1351.92
4/19/2020	7.01	1919		126.64	18.26	506.90	1325.60
4/22/2020	6.87	1932		129.15	19.90	512.90	1331.70
4/25/2020	6.93	1924		126.46	17.97	504.59	1325.36
4/28/2020	6.85	1927		127.51	18.53	517.62	1341.97
5/1/2020	6.73	1946		128.19	18.22	511.91	1332.21
5/4/2020	7.1	1805		123.68	18.63	557.32	1379.97
5/7/2020	6.76	1952		126.26	18.25	504.75	1317.70
5/10/2020	6.83	1958		128.42	18.47	510.90	1326.48

5/13/2020	6.73	1942		126.23	18.28	504.87	1325.95
5/16/2020	6.75	1942		126.53	17.93	526.80	1356.87
5/19/2020	6.7	1896		126.59	18.32	497.75	1318.53
5/22/2020	6.66	1943		126.34	18.48	520.50	1335.23
5/25/2020	6.63	1941		126.93	18.65	515.96	1299.21
5/28/2020	6.65	1917		126.46	19.61	508.73	1322.01
5/31/2020	6.73	1947		129.54	19.13	525.11	1347.43
6/3/2020	6.7	1929		125.10	17.80	519.27	1330.75
6/6/2020	6.72	1931		126.10	18.03	503.52	1320.55 Joinpoint 1
6/9/2020	6.65	1930		121.46	17.78	494.45	1287.81
6/12/2020	6.75	1926		121.95	18.28	499.46	1296.64
6/15/2020	6.93	1919		126.37	18.14	504.24	1317.23
6/18/2020	6.8	1912		126.43	19.43	516.50	1297.79
6/21/2020	6.75	1912		124.48 Joinpoint 1	18.23	514.57	1314.63
6/24/2020	6.69	1921		127.04	18.17	528.80	1321.03
6/27/2020	6.69	1918		125.24	18.37	521.49	1331.89
6/30/2020	6.76	1915		126.90	18.63	502.35	1310.59
7/3/2020	6.63	1917		126.02	17.97	504.36	1315.72
7/6/2020	6.65	1920		125.68	17.79	509.83	1301.63
7/9/2020	6.64	1924		118.81	17.06	474.15	1254.84
7/12/2020	6.69	1925		124.64	17.72	495.55	1303.09
7/15/2020	6.71	1932		125.77	17.94	511.51	1317.42
7/18/2020	6.66	1930		126.10	18.11	505.43	1308.55
7/21/2020	6.66	1924		126.43	18.07	503.12	1328.78
7/24/2020	6.69	1953		129.04	19.21	514.62	1335.28
7/27/2020	6.9	1919		121.29	18.03	503.99	1284.34
7/30/2020	6.72	1913		121.18	17.68	485.08	1286.41
8/2/2020	6.74	1906		120.54	18.16	457.26	1253.83
8/5/2020	6.73	1910		118.96	16.36	454.35	1228.28
8/8/2020	6.75	1918		122.32	17.80	463.71	1239.38
8/11/2020	7.15	1672		120.93	16.61	459.36	1259.22
8/14/2020	6.73	1903		120.86	16.72	462.07	1252.65
8/17/2020	6.72	1907		118.16	17.62	447.82	1233.86
8/20/2020	6.73	1909		121.20	17.92	462.09	1256.57
9/1/2020	6.71	1903		121.31	16.17	457.20	1243.79
9/4/2020	6.72	1903		119.64	17.38	459.55	1247.77
9/7/2020	6.78	1901		122.71	17.86	461.95	1254.08
9/10/2020	6.71	1905		119.73	16.86	458.13	1242.83
9/13/2020	6.69	1894		121.06	16.83	457.10	1243.66
9/16/2020	6.72	1912		124.49	17.95	466.27	1258.62
9/19/2020	6.67	1907		124.21	18.24	461.06	1255.64
9/22/2020	7.77	1382		123.10	16.72	463.95	1247.57
9/25/2020	6.86	1911		120.10	17.80	456.03	1251.69
9/28/2020	6.78	1890		119.35	15.98	450.75	1230.19
10/1/2020	6.69	1910		119.55	16.45	460.47	1242.51
10/4/2020	6.78	1914		120.99	16.48	458.61	1255.16
10/7/2020	7.51	1610		121.89	17.88	458.26	1251.16
10/10/2020	6.64	1910		121.68	17.51	460.44	1250.95
10/13/2020	6.62	1911		120.30	17.10	463.03	1252.20
10/16/2020	6.64	1906		121.75	16.29	458.89	1245.95
10/19/2020	6.68	1895		120.90	16.36	460.98	1242.85
10/22/2020	6.64	1896		121.71	17.57	460.53	1250.02
10/25/2020	7.17	1970		120.75	18.13	458.57	1247.33
10/28/2020	6.66	1915		121.61	16.71	462.62	1252.41
10/31/2020	6.62	1920	57	120.51	18.77	462.76	1253.23
11/3/2020	6.88	1908	56	119.00	18.22	464.00	1257.31
11/6/2020	6.64	1930	56	121.34	17.86	464.20	1272.45
11/9/2020	6.61	1919	57	121.87	16.30	455.95	1251.16
11/12/2020	6.63	1908	56	121.30	16.35	459.49	1256.66
11/15/2020	7.46	1873	56	121.55	18.23	457.15	1258.33
11/18/2020	6.69	1913	56	120.29	18.15	457.87	1244.29
11/21/2020	6.71	1908	56	121.18	18.21	460.74	1255.40
11/24/2020	7.18	1858	56	120.72	16.35	451.45	1227.82
11/27/2020	7.06	1910	57	121.70	18.09	461.53	1255.41
11/30/2020	6.6	1911	57	120.48	17.92	458.34	1242.35

12/3/2020	7.56	1722	56	125.76	20.43	475.05	1281.30
12/6/2020	7.4	1261	57	60.35	8.23	336.10	873.84
12/9/2020	7.13	1772	57	127.20	21.29	485.34	1316.95
12/12/2020	7.26	1259	56	61.28	8.29	323.85	870.56
12/18/2020	6.93	1791	57	127.83	19.13	491.75	1339.72
12/21/2020	7.29	1791	56	128.37	21.30	493.53	1344.29
12/24/2020	6.93	1460	57	86.55	12.56	362.56	1015.24
12/27/2020	7.31	1390	57	80.57	11.00	348.84	972.54
12/30/2020	6.77	1793	57	127.29	20.52	488.26	1369.09
1/2/2021	6.73	1802	57	127.41	23.53	488.99	1344.59
1/5/2021	7.2	1795	56	128.65 Joinpoint 2	21.84	492.26	1349.33
1/8/2021	6.81	1797	56	127.74	20.49	490.87	1342.16
1/11/2021	6.76	1803	56	128.72	22.93	495.20 Joinpoint 3	1335.91
1/14/2021	6.95	1793	56	127.37	21.65	490.81	1339.56
1/17/2021	6.76	1801	55	128.59	23.94	494.35	1353.85
1/20/2021	6.82	1799	55	128.19	22.06	494.62	1346.01
1/23/2021	6.73	1798	56	128.01	22.56 Joinpoint 1	493.41	1342.28 Joinpoint 2
1/26/2021	6.88	1799	56	128.41	21.20	493.65	1341.48
1/29/2021	6.79	1794	56	127.79	21.74	491.08	1347.94
2/1/2021	6.72	1793	56	126.07	18.65 Joinpoint 2	442.98	1264.72 Joinpoint 3
2/4/2021	6.69	1792	56	125.94	20.97	442.49	1265.36
2/7/2021	6.72	1792	56	126.18	16.75	442.51	1274.69
2/10/2021	6.74	1792	56	125.59	17.22	440.03	1270.08
2/13/2021	6.74	1795	56	125.81	19.21	440.87	1276.94
2/16/2021	6.67	1794	56	126.18	17.58	442.79	1272.39
2/19/2021	6.65	1792	56	125.80	16.74	439.87	1268.46
2/22/2021	6.69	1788	57	125.52	18.21	439.69	1270.52
2/25/2021	6.69	1786	57	125.22	16.60	438.56	1225.31
2/28/2021	6.72	1792	56	126.09	17.31	440.32	1270.73
3/3/2021	6.61	1805	56	123.74	17.81	472.51	1325.91
3/6/2021	6.55	1804	56	122.85	17.71	469.87	1318.81
3/9/2021	6.58	1815	56	124.43	18.01	472.22	1323.51
3/12/2021	6.65	1811	56	123.81	18.45	473.24	1318.88
3/15/2021	6.57	1819	55	124.51	19.27	473.61	1319.10
3/18/2021	6.54	1815	56	125.05	18.58	477.84	1327.00
3/21/2021	6.57	1817	56	122.70	17.86	471.60	1322.11
3/24/2021	6.63	1801	56	122.07	17.92	475.07	1325.36
3/27/2021	6.53	1823	56	124.61	19.85	470.44	1323.65
3/30/2021	6.58	1803	55	122.64	18.01	470.60	1312.02
5/2/2021	7.28	1624	56	124.26	18.92	458.25	1305.23
5/5/2021	7.53	1509	55.8	127.62	19.70	470.65	1253.88
5/8/2021	7.31	1626	56.7	125.15	18.64	462.33	1349.12
5/11/2021	7.62	1495	56.8	126.64	18.22	468.13	1291.18
5/14/2021	7.17	1678	56.8	124.53	18.89	457.59	1386.35
5/17/2021	7.27	1753	56.7	125.89	19.12	465.63	1382.18
5/20/2021	7.18	1638	56.8	129.13	20.60	473.89	1402.31
5/23/2021	7.18	1792	57	124.56	18.85	460.56	1363.46
5/26/2021	7.16	1798	58	125.12	19.20	463.02	1356.76
5/29/2021	7.13	1800	57	122.90	19.04	451.13	1344.41
6/1/2021	7.18	1603	57.2	89.38	16.77	341.20	1056.17
6/4/2021	7.2	1660	57	130.20	21.36	542.52	1463.82
6/7/2021	7.17	1648	56.8	124.19	21.07	516.64	1401.43
6/10/2021	7.43	1754	56.7	128.88	20.93	534.40	1453.23
6/13/2021	7.24	1664	57	124.92	20.18	516.64	1431.88
6/16/2021	7.3	1754	56.8	125.94	20.89	517.46	1429.41
6/19/2021	7.3	1745	56.9	127.87	20.96	525.18	1431.72
6/22/2021	7.28	1773	57.2	124.21	20.31	511.38	1428.18
6/25/2021	7.29	1773	57	125.06	20.52	516.09	1381.00
6/28/2021	7.2	1770	57	125.08	21.13	517.74	1440.41

7/1/2021	7.25	1652	56.8	131.66	18.87	487.27	1253.91
7/4/2021	7.22	1678	57.5	128.71	19.35	495.66	1306.19
7/7/2021	7.31	1713	57.2	129.17	19.18	473.68	1303.53
7/10/2021	7.37	1739	57.4	126.37	18.81	487.64	1318.22
7/13/2021	7.34	1793	57.4	130.66	21.47	504.23	1367.03
7/16/2021	7.28	1778	57.3	129.09	19.46	495.24	1368.70
7/19/2021	7.18	1795	57.2	131.76	19.99	507.00	1392.97
7/21/2021	7.13	1794	57.3	133.75	20.62	515.35	1420.27
7/24/2021	7.08	1800	57	131.71	19.66	509.85	1358.68
7/27/2021	6.95	1787	57	129.88	19.34	503.36	1340.74
7/30/2021	6.83	1784	57	135.80	19.23	505.60	1373.82



Qujiang spring(S9)											
Date(yyyy/mm/dd)	pH	EC(μs/cm )	Temperature(℃)	Na <sup>+</sup> (mg/L )	CP detection Joinpoint	Cl <sup>-</sup> (mg/L)	CP detection Joinpoint	SO <sub>4</sub> <sup>2-</sup> (mg/L)	CP detection Joinpoint	TDS(mg/L)	CP detection Joinpoint
4/29/2019	8.14	1115		265.39		5.62		21.97		570.84	
5/2/2019	8.11	1113									
5/5/2019	8.04	1110									
5/8/2019	8.12	1102									
5/11/2019	8.14	1108									
5/14/2019	8.05	1108									
5/17/2019	8.01	1111									
5/20/2019	7.96	1106									
5/23/2019	7.93	1112									
5/26/2019	7.8	1111									
5/29/2019	7.21	1114									
6/1/2019	7.45	1112	60.65	254.25		4.78		20.24		562.96	
6/4/2019	7.15	1113	60.85	265.98		5.90		20.82		590.98	
6/7/2019	7.08	1120	60.72	265.48		5.37		20.87		598.38	
6/10/2019	7.12	1112	61.02	268.37		5.33		21.25		607.12	
6/13/2019	7.14	1093	60.22	273.09		5.34		21.55		614.07	
6/16/2019	7.2	1109	60.31	264.25		5.40		20.80		578.36	
6/19/2019	6.88	1097	60.11	268.85		5.78		21.54		562.36	
6/21/2019	7	1110	60.67	264.22		4.96		20.62		538.70	
6/24/2019	7.17	1106	60.53	265.18		5.12		20.85		599.30	
6/27/2019	7.22	1111	60.82	269.13		5.27		21.09		523.37	
6/30/2019	7.23	1110	60.37	248.18		5.16		20.27		561.15	
7/3/2019	7.24	1115	60.77	254.48		5.65		22.52		605.10	
7/6/2019	7.2	1113	60.81	257.24		5.46		22.51		634.09	
7/9/2019	6.93	1104	60.5	256.40		5.22		22.40		600.80	
7/12/2019	8.12	1105	60.3	255.69		5.21		22.26		601.16	
7/15/2019	7.18	1110	60.84	264.97		4.68		20.27		617.11	
7/18/2019	7.2	1112	60.82	252.33		5.24		22.23		575.17	
7/21/2019	7.18	1111	60.35	243.36		4.98		21.29		580.21	
7/24/2019	7.16	1115	60.3	247.73		5.10		21.71		550.69	
7/27/2019	7.12	1115	61.05	248.89		5.23		22.05		580.83	
7/30/2019	6.66	1026	61.04	242.70		5.28		21.42		544.41	
8/2/2019	6.69	1024	61.36	264.23		5.34		22.93		636.06	
8/5/2019	7.04	1042	61.35	251.18		4.72		20.49		600.26	
8/8/2019	7.02	1033	61.55	263.19		5.76		22.98		614.34	
8/11/2019	7.06	1033	61.61	272.72		5.41		22.61		618.62	
8/13/2019	6.93	1035	61.62	265.29		5.43		21.15		622.98	
8/16/2019	6.82	1040	61.41	264.93		4.87		21.41		618.69	
8/19/2019	6.65	1026	61.57	278.92		5.35		22.77		630.65	
8/22/2019	6.74	1031	61.38	276.72		4.93		20.44		619.25	
8/25/2019	6.62	1029	61.15	260.89		5.00		20.91		612.81	
8/28/2019	6.82	1041	60.03	260.82		5.02		20.79		616.49	
9/3/2019	6.96	1116	61.01	268.68		5.01		21.25		588.10	
9/6/2019	6.96	1119	60.91	268.06		4.91		20.92		620.30	
9/9/2019	7.03	1131	61.02	268.70		5.22		21.21		620.65	
9/12/2019	6.79	1107	61.23	253.98		4.66		19.95		600.08	
9/15/2019	6.82	1112	60.96	265.94		4.95		20.88		602.21	
9/18/2019	7.1	1111	60.87	264.83		4.96		21.00		606.30	
9/21/2019	7.08	1115	60.88	271.22		5.44		21.50		598.07	
9/24/2019	7.07	1117	60.67	269.53		5.06		21.23		617.54	
9/27/2019	7.09	1121	60.87	270.17		5.04		21.10		617.35	
9/30/2019	7.09	1113	60.81	268.14		5.02		21.16		611.54	
10/3/2019	7.14	1096	61.26	263.55		4.96		21.11		671.83	
10/6/2019	7.04	1102	60.77	264.58		4.90		21.48		663.76	
10/9/2019	7.29	1108	60.69	273.86		5.24		21.92		676.98	
10/12/2019	7.36	1123	50.53	272.79		5.10		21.73		676.01	
10/15/2019	7.33	1107	60.25	270.65		5.26		21.55		626.68	
10/18/2019	7.3	1100	60.22	271.23		5.32		21.72		664.80	
10/21/2019	7.2	1102	61.09	272.45		5.27		21.95		609.74	

10/24/2019	6.95	1100	60.66	270.86	5.07	21.68	628.85
10/27/2019	6.93	1097	60.51	270.16	5.29	21.23	627.19
10/30/2019	6.96	1095	60.23	269.67	5.09	21.62	665.43
11/1/2019	7.15	1132	60.87	272.49	5.19	22.19	679.88
11/4/2019	7.16	1132	60.48	274.01	4.92	22.34	684.22
11/7/2019	7.2	1140	60.43	268.60	5.31	21.70	637.32
11/10/2019	7.21	1165	60.14	274.75	5.09	22.19	682.61
11/13/2019	7.12	1168	60.38	274.40	4.92	22.14	678.27
11/16/2019	6.79	1147	60.5	271.89	5.11	21.84	672.52
11/19/2019	7.26	1151	61.19	273.44	4.82	21.78	668.52
11/22/2019	7.26	1176	60.42	280.83	5.01	22.64	692.65
11/25/2019	7.14	1163	60.2	275.52	4.92	22.04	679.82
11/28/2019	7.19	1169	60.47	270.75	5.09	21.53	670.36
12/1/2019	6.99	1115	60.07	258.12	4.80	21.00	666.81
12/4/2019	7.17	1130	60.14	262.41	5.53	21.33	673.25
12/7/2019	6.65	1134	60.03	253.82	4.86	20.35	654.00
12/10/2019	6.63	1129	60.09	254.34	4.79	20.33	658.63
12/13/2019	7.03	1143	60.41	257.55	5.23	20.68	658.75
12/16/2019	7.05	1143	60.26	260.33	5.08	20.96	661.64
12/19/2019	7.12	1145	60.05	259.96	5.01	20.85	660.35
12/22/2019	6.94	1120	60.49	261.58	5.26	20.96	664.62
12/25/2019	7.06	1126	60.64	262.08	4.91	21.21	667.95
12/28/2019	6.79	1132	60.2	258.45	4.80	20.46	655.27
12/31/2019	6.76	1131	60.37	256.73	4.81	21.11	653.77
1/3/2020	7.36	1163		281.84	5.64	19.13	684.10
1/6/2020	7.31	1186		283.50	5.58	21.34	693.46
1/9/2020	7.54	1223		286.38	6.31	19.70	701.60
1/12/2020	7.33	1187		282.83	5.53	19.14	682.07
1/15/2020	7.28	1187		282.95	5.82	19.41	688.17
1/18/2020	7.04	1197		280.45	5.61	19.06	690.89
1/21/2020	7.08	1193		268.31	5.11	17.51	667.35
1/24/2020	7.08	1191		283.98	5.72	18.50	687.50
1/27/2020	7.16	1181		289.72	5.61	18.67	698.52
1/30/2020	7.37	1187		286.18	5.73	19.26	700.14 Joinpoint 1
2/2/2020	7.26	1194		280.93	5.52	18.76	689.92
2/5/2020	7.37	1192		283.66	6.16	19.27	705.57
2/8/2020	7.28	1188		275.82	5.27	18.56	670.95
2/11/2020	7.36	1191		284.10	7.06	18.80	710.23
2/14/2020	7.31	1173		278.47	5.39	18.87	686.26
2/17/2020	7.26	1177		279.40	5.33	18.68	677.71
2/20/2020	7.02	1176		285.63	5.41	20.98	698.93
2/23/2020	7.03	1167		283.12	5.54	18.54	687.54
2/26/2020	7.32	1168		286.30	5.83	18.94	698.55
2/29/2020	7.28	1184		268.57	5.26	18.19	677.85
3/3/2020	7.19	1185		284.96	5.60	18.89	691.42
3/6/2020	7.13	1182		284.76	5.78	18.95	689.80
3/9/2020	7.19	1184		284.99	5.55	21.70	689.64
3/12/2020	6.97	1172		277.45	5.20	18.35	681.81
3/15/2020	6.97	1175		279.94	5.45	19.89	658.28
3/18/2020	6.97	1192		290.96	5.43	21.41	699.91
3/21/2020	7.19	1195		283.31	5.87	18.78	701.30
3/24/2020	7.22	1202		286.38	6.09	19.02	707.90
3/27/2020	7.15	1184		278.26	5.52	18.44	668.54
3/30/2020	8.33	1187		284.83	5.67	18.45	695.26
4/2/2020	6.92	1192	61.08	281.41	5.56	20.33	700.39
4/5/2020	6.87	1187	60.98	279.69	5.26	17.94	684.50
4/8/2020	6.9	1190	61.12	281.54	5.85	20.90	696.89
4/11/2020	7.47	1099	61.03	271.49	5.22	22.19	688.71
4/14/2020	7.42	1108	61.01	264.25	5.04	21.47	673.60
4/17/2020	7.14	1191	61.23	284.02	5.47	18.70	684.34
4/20/2020	7.14	1194	61.13	284.52	5.49	21.24	689.88
4/23/2020	6.95	1183	61.08	282.11	5.51	18.28	683.48
4/26/2020	6.95	1185	60.7	282.57	5.38	18.77	689.28
4/29/2020	7.18	1186	60.95	292.78	5.55	21.53	692.90
5/2/2020	7.16	1203	61.61	279.21	5.64	18.90	686.55
5/5/2020	7.13	1200	61.54	284.53	5.52	21.94	701.03

5/8/2020	7.12	1190	61.32	285.75	5.87	19.11	685.28
5/11/2020	8.19	1193	61.11	284.87	5.85	18.61	701.45
5/14/2020	7.21	1191	60.53	285.05	5.58	19.26	693.99
5/17/2020	7.19	1200	60.59	286.70	5.86	19.45	701.14
5/20/2020	7.1	1208	60.4	290.97	5.75	19.49	698.95
5/23/2020	7.1	1203	60.47	284.34	5.86	19.49	697.36
5/26/2020	7.06	1199	60.14	280.10	5.71	18.62	688.99
5/29/2020	7.06	1189	60.26	286.10	5.62	19.18	700.36
6/1/2020	8.09	1075	60.54	284.31	5.61	19.12	701.03
6/4/2020	7.03	1091	60.79	270.96	5.09	17.92	678.77
6/7/2020	7.64	977	60.41	270.29	5.43	23.45	689.43
6/10/2020	7.13	1102	60.51	284.92	5.72	19.15	716.17
6/13/2020	7.16	1127	59.79	294.86	5.65	19.32	712.17
6/16/2020	7.72	1109	59.83	279.52	5.47	21.58	704.20
6/19/2020	7.31	1041	59.6	280.32	5.65	18.50	696.49
6/22/2020	7.32	1097	59.8	278.73	6.16	17.97	681.80
6/25/2020	7.3	1094	59.72	285.39	5.50	18.68	700.87
6/28/2020	7.33	1090	59.63	273.07	5.41	19.00	692.45
7/1/2020	7.55	1083	59.53	283.62	5.39	20.52	693.50
7/4/2020	7.27	1205	59.23	284.41	5.54	18.55	692.02
7/7/2020	7.57	1083	59.83	286.57	5.59	20.87	698.53
7/10/2020	7.59	1114	59.58	274.01	5.38	18.29	687.89
7/13/2020	8.02	1103	59.1	284.48	5.34	17.94	709.74
7/16/2020	7.8	1098	59.63	282.95	5.48	18.36	705.73
7/19/2020	7.86	1098	59.1	283.71	5.43	21.00	698.55
7/22/2020	7.75	1104	59.54	283.49	5.54	18.13	709.17
7/25/2020	7.85	1095	59.72	283.96	5.49	19.02	686.65
7/28/2020	7.83	1092	59.27	284.76	5.43	18.93	714.81
7/31/2020	7.81	1098	60.31	273.54	5.47	18.41	691.56
8/3/2020	7.4	1202		229.85	4.47	16.06	663.08
8/6/2020	7.48	1208		258.59	7.44	17.76	700.41
8/9/2020	7.43	1205		257.91	4.87	18.25	678.33
8/12/2020	7.36	1209		255.06	7.08	18.35	680.35
8/15/2020	7.41	1211		255.78	4.89	18.37	691.50
8/18/2020	7.35	1208		255.39	4.75	18.27	689.88
8/21/2020	8.47	1207		256.11	4.75	18.46	660.68
8/24/2020	7.37	1203		258.73	4.77	17.54	688.48
8/27/2020	7.16	1201		251.79	4.75	17.63	685.67
8/30/2020	7.35	1207		249.71	4.95	17.62	681.19
9/3/2020	7.33	1205		254.91	4.84	18.33	695.54
9/5/2020	7.31	1203		255.73	4.76	18.05	674.61
9/8/2020	7.56	1211		255.71	4.80	18.26	675.61
9/11/2020	7.31	1203		249.39	4.90	17.74	686.30
9/14/2020	7.34	1202		252.25	7.30	18.15	693.14
9/17/2020	7.42	1259		258.38	8.98	15.89	737.44
9/20/2020	7.35	1202		255.16	4.91	17.41	690.62
9/23/2020	7.31	1195		254.62	7.40	18.04	676.70
9/26/2020	7.35	1207		257.57	7.49	18.01	697.75
9/29/2020	7.35	1207		257.28	4.92	18.66	696.06
10/2/2020	7.35	1202		252.63	4.88	18.06	690.85
10/5/2020	7.37	1206		256.71	7.08	17.98	692.33
10/8/2020	7.35	1197		253.23	7.42	17.62	689.18
10/11/2020	8.39	1204		255.35	4.84	18.45	694.69
10/14/2020	7.34	1202		254.08	4.92	17.72	684.84
10/17/2020	7.14	1197		255.69	4.97	17.04	686.86
10/20/2020	7.41	1201		256.72	4.89	17.76	699.48
10/23/2020	7.37	1199		259.57	4.87	18.36	692.64
10/26/2020	7.3	1204		256.36	4.90	17.98	698.66
10/29/2020	7.44	1207		259.08	7.30	18.38	692.45
11/1/2020	7.42	1201	59.71	259.21	4.95	18.54	700.55
11/4/2020	7.99	1195	59.64	257.80	7.36	18.43	701.17
11/7/2020	7.23	1205	59.79	254.49	7.77	18.39	691.07
11/10/2020	7.24	1202	59.63	256.28	4.91	17.97	698.26
11/13/2020	8.02	1201	59.94	257.93	5.01	17.87	695.33
11/16/2020	7.27	1197	59.79	258.24	5.00	17.78	696.78



11/19/2020	7.28	1202	59.84	256.87	5.03	18.39	699.75
11/22/2020	7.29	1208	58.99	257.60	4.98	18.43	700.96
11/25/2020	7.32	1203	59.66	258.13	7.23	17.69 Joinpoint 1	704.13
11/28/2020	7.34	1204	58.9	259.53	4.99	18.25	703.89
12/1/2020	8.07	1136		274.46	5.65	20.66	705.03
12/4/2020	8.08	1126		274.28	5.82 Joinpoint 1	20.96 Joinpoint 2	707.26
12/7/2020	8.03	1139		273.55	5.57	20.76	707.41
12/10/2020	8.04	1143		274.58	5.74	20.73	708.70
12/13/2020	8.03	1139		273.44	8.09 Joinpoint 2	21.08	708.85
12/16/2020	7.95	1140		272.55	5.73	20.58	699.37
12/19/2020	8.41	1127		271.48	8.28	20.68	703.13
12/22/2020	8.22	1128		268.81 Joinpoint 3	5.46	20.09	700.09
12/25/2020	8.26	1128		272.19	5.93	20.50	707.05
12/28/2020	8.39	1134		273.75	5.76	20.74	706.59
12/31/2020	8.43	1137		273.92	8.49	20.56	714.36
1/3/2021	7.98	1127	58.96	270.75	5.59	19.14	678.29
1/6/2021	8.06	1128	59.29	270.31	6.87	19.33	695.11
1/9/2021	7.75	1120	59.19	267.85	5.51	18.91	667.99
1/12/2021	8.01	1121	59.29	269.80	7.00	18.79 Joinpoint 3	692.93
1/15/2021	7.73	1116	59.69	268.03	7.80	19.58	655.52
1/18/2021	7.72	1128	59.31	267.57	7.86	18.78	687.83
1/21/2021	7.9	1136	59.87	267.95	7.87	18.72	676.48
1/24/2021	7.94	1137	59.94	271.21	7.81	19.93	688.14
1/27/2021	7.95	1136	59.52	271.20	7.95	19.23	696.38
1/30/2021	7.96	1138	59.81	268.56	7.44	18.81	688.93
2/2/2021	7.91	1134	59.78	263.88	5.65	19.15	605.06
2/5/2021	8.11	1142	59.66	268.73	8.14	19.20	621.10
2/8/2021	7.84	1142	59.58	267.94	8.29	19.19	658.76
2/11/2021	7.88	1139	59.92	259.91	9.60	24.20	684.12
2/14/2021	7.86	1147	59.76	268.83	5.95	19.02	662.45
2/17/2021	7.87	1145	59.28	268.92	8.27	19.57	684.00
2/20/2021	7.81	1145	59.89	267.76	5.80	19.45	667.15
2/23/2021	7.76	1147	59.43	268.82	6.82	19.54	665.85
2/26/2021	7.62	1147	59.89	271.00	7.17	19.31	638.47
3/1/2021	7.83	1126	60.04	258.76	6.07	19.43	633.26
3/4/2021	7.74	1120	60.12	257.73	6.18	19.52	673.43
3/7/2021	7.75	1121	60.05	256.09	6.07	19.36	666.46
3/10/2021	7.74	1134	59.75	259.44	6.16	19.56	681.95
3/13/2021	7.7	1138	59.67	259.86	6.18	19.65	679.80
3/16/2021	7.67	1122	59.83	255.70	6.09	19.13	677.46
3/19/2021	7.54	1132	59.92	259.50	6.25	19.81	678.42
3/22/2021	7.57	1122	59.16	258.34	6.17	19.64	678.44
3/25/2021	7.5	1127	60.15	258.21	6.20	19.41	659.07
3/28/2021	7.48	1123	59.71	259.48	6.08	19.49	675.19
3/31/2021	7.53	1134	59.78	260.41	6.16	19.58	673.53
4/3/2021	7.84	1126	59.82	267.48	6.96	21.28	689.24
4/6/2021	7.86	1119	59.37	262.74	6.61	20.69	679.83
4/9/2021	8.01	1112	60.14	264.53	6.68	20.62	680.82
4/12/2021	7.87	1127	60.46	266.13	6.58	20.95	687.31
4/15/2021	7.75	1110	59.87	262.24	6.28	20.73	675.65
4/18/2021	7.69	1123	60.31	266.02	6.74	21.05	682.95
4/21/2021	7.95	1114	59.96	261.97	6.29	20.42	681.51
4/24/2021	7.7	1112	60.7	255.91	6.67	20.05	674.21
4/27/2021	7.67	1105	60.12	259.67	6.92	20.30	679.29 Joinpoint 2
4/30/2021	7.67	1124	59.98	264.67	6.87	20.68	683.54
5/3/2021	8.1	1128	59.4	268.32	8.06	22.46	700.82
5/6/2021	8.13	1125	59.5	265.27	7.61	20.64	725.12
5/9/2021	8.03	1070	60.08	264.96	7.73	20.73	735.34 Joinpoint 3
5/12/2021	8.06	1119	59.81	266.61	7.75	20.86	743.77

5/15/2021	7.86	1110	60	264.88	7.68	20.76	735.27
5/18/2021	7.85	1112	60.39	266.27	7.71	20.76	741.97
5/21/2021	8.1	1118	60.03	268.38	7.72	20.63	738.51
5/24/2021	7.79	1125	29.2	266.75	7.45	20.75	714.66
5/27/2021	7.68	1114	59.06	265.99	7.94	20.88	711.00
5/30/2021	7.75	1107	60.11	267.47	3.87	21.31	715.64
6/2/2021	8.17	1134	60.04	260.50	7.24	22.96	630.27
6/5/2021	8.31	1136	59.26	260.80	8.88	23.14	678.50
6/8/2021	8.08	1133	60	260.32	7.63	23.04	661.53
6/11/2021	8.04	1127	60.08	260.09	7.55	23.29	669.11
6/14/2021	8.09	1134	60.14	259.03	7.76	22.87	678.22
6/17/2021	7.94	1142	60.74	259.20	6.58	23.01	659.87
6/20/2021	7.85	1134	60.22	259.08	8.17	22.82	658.23
6/23/2021	7.76	1134	60.37	259.79	10.46	22.77	632.05
6/26/2021	7.72	1129	60.46	258.69	8.60	23.06	716.93
6/29/2021	7.84	1133	59.91	258.45	8.48	23.15	721.09
7/2/2021	7.8	1118	60.06	264.24	6.19	20.52	719.07
7/5/2021	7.83	1104	60.57	265.98	6.74	20.72	654.29
7/8/2021	7.74	1133	60.47	267.51	7.09	20.85	632.56
7/11/2021	7.87	1130	60.65	265.76	6.81	20.56	611.94
7/14/2021	7.7	1126	60.93	266.97	7.14	20.76	616.55
7/17/2021	7.67	1118	60.64	267.12	8.69	20.71	609.15
7/20/2021	7.45	1125	61.02	268.08	6.80	20.67	630.37
7/23/2021	7.54	1132	61.21	268.17	7.05	21.01	690.38
7/26/2021	7.46	1124	61.13	266.51	7.00	20.89	679.37
7/29/2021	7.29	1121	60.84	266.68	6.58	20.58	682.73

Panxi spring (S16)											
Date(yyyy/mm/dd)	pH	EC(μs/cm)	Temperature(℃)	Na <sup>+</sup> (mg/L)	CP detection Joinpoint	Cl <sup>-</sup> (mg/L)	CP detection Joinpoint	SO <sub>4</sub> <sup>2-</sup> (mg/L)	CP detection Joinpoint	TDS(mg/L)	CP detection Joinpoint
4/10/2019				10.38		7.70		32.57		356.51	
6/14/2019	7.09	725	30	9.33		5.54		31.02			
6/17/2019	7.06	730	29.9	9.52		5.67		31.25			
6/20/2019	7.06	725	30	9.39		5.27		30.44			
6/23/2019	7.07	721	30	9.67		5.54		30.29			
6/26/2019	7.06	742	30	9.07		6.50		32.88			
6/29/2019	7.18	748	30	9.16		6.93		34.67		365.36	
7/2/2019	7.15	680	29.9	9.17		5.96		32.59		379.50	
7/5/2019	7.19	729	30	9.20		5.81		32.31		367.82	
7/8/2019	7.23	701	30	9.28		5.77		32.63		384.92	
7/11/2019	7.17	728	29.9	9.23		5.80		34.40		386.50	
7/14/2019	7.19	727	30	9.28		5.62		34.31		377.34	
7/17/2019	7.12	722	30	9.61		6.07		32.31		364.30	
7/20/2019	7.14	729	29.9	8.79		6.57		34.11		392.16	
7/23/2019	7.12	738	30	8.75		6.26		33.49		385.49	
7/26/2019	7.18	716	29.9	8.79		6.01		33.96		381.61	
7/29/2019	7.18	746	29.9	8.88		5.40		31.58		357.39	
8/1/2019	6.89	719	30	11.29		5.23		29.35		380.45	
8/4/2019	6.9	716	30	11.06		5.01		29.40		383.29	
8/7/2019	6.92	715	29.9	11.59		5.12		29.39		393.04	
8/10/2019	6.91	710	30	11.40		5.16		29.59		386.52	
8/13/2019	6.92	719	29.9	11.27		5.28		29.59		386.38	
8/16/2019	6.91	717	29.9	11.38		5.09		29.46		385.92	
8/19/2019	6.88	719	30	11.24		5.10		28.82		388.33	
8/22/2019	6.92	720	30	11.09		5.15		30.09		386.90	
8/25/2019	6.84	721	29.9	11.27		5.22		30.10		388.57	
8/28/2019	6.85	720	29.9	11.14	Joinpoint 1	5.70		30.10		392.55	
8/31/2019	6.91	723		11.16		5.13		29.64		384.48	
9/3/2019	7.06	732	29.9	8.31		5.39		30.04		392.52	
9/6/2019	7.14	730	30	8.54	Joinpoint 2	5.62		31.05		395.48	
9/9/2019	7.07	729	29.9	8.67		5.62		30.91		382.92	
9/12/2019	7.26	729	29.9	8.65		5.74		30.84		397.81	
9/15/2019	6.98	733	29.9	8.95		5.72		30.80		397.10	
9/18/2019	7.14	733	30	8.58		5.62		30.96		384.11	
9/21/2019	7.09	727	30	9.33		5.70		31.06		402.58	
9/24/2019	7.11	728	29.9	8.57		5.52		30.71		396.76	
9/27/2019	7.01	727	29.9	8.47		5.60		31.07		391.26	
9/30/2019	7.1	724	29.9								
10/3/2019	7.08	711	30	10.22		5.11		30.59		381.84	
10/6/2019	7.08	708	30	9.71		5.08		30.25		395.97	
10/9/2019	7.05	710	29.9	9.62		5.09		30.31		399.91	
10/12/2019	7.05	710	30	10.25		5.36		30.72		399.69	
10/15/2019	7.12	709	29.9	9.81		5.10		30.22		401.13	
10/18/2019	7.18	711	29.9	9.67		5.08		30.20		398.85	
10/21/2019	7.08	705	30	10.07		4.89		29.26		378.03	
10/24/2019	7.16	704	29.9	10.06		5.07		29.53		385.93	
10/27/2019	7.12	702	30	10.10		5.19		29.74		399.35	
10/30/2019	7.16	698	30	9.91	Joinpoint 3	4.70		29.01		394.47	
11/1/2019	7.01	744	29.9	10.46		4.46		27.49		386.27	
11/4/2019	7.05	744	29.9	10.81		4.41		29.61		386.95	
11/7/2019	7.14	742	30	10.73		4.53		29.23		384.13	
11/10/2019	7.09	746	29.9	10.20		4.58	Joinpoint 1	29.43		385.03	
11/13/2019	7.31	739	29.9	10.47		4.57		27.52		385.25	
11/16/2019	7.12	751	30	10.47		4.60		29.09		389.09	
11/19/2019	7.22	748	29.9	10.58		4.50		27.31		384.60	
11/22/2019	7.23	749	29.9	10.29		4.51		27.59		386.44	
11/25/2019	7.17	753	29.9	10.33		4.64		29.34		385.14	
11/28/2019	7.11	765	29.9	10.43		5.00		30.30		387.91	
12/1/2019	6.84	715	30	9.65		4.53		27.15		360.76	

12/4/2019	6.99	713	29.9	9.63	4.45	30.88	388.39	
12/7/2019	6.92	723	30	9.54	4.50	27.32	366.82	
12/10/2019	6.87	723	30	9.64	4.68	27.53	386.62	
12/13/2019	6.95	734	30	9.68	4.88	28.01	394.03	
12/16/2019	6.82	742	29.9	9.95	6.32	28.38	389.95	
12/19/2019	6.97	741	29.9	10.08	4.71	30.47	390.18	
12/22/2019	6.91	748	29.9	9.71	4.85	28.53	376.46	
12/25/2019	6.97	744	29.9	10.10	4.36	27.92	385.69	
12/28/2019	7.35	652	29.9	10.11	4.77	31.80	330.06	
12/31/2019	6.83	735	29.9	10.48	4.67	28.66	387.77	
1/3/2020	7.36	452	30	10.28	10.10	31.21	351.37	
1/6/2020	7.27	487	29.9	10.34	5.03	33.81	369.73	
1/9/2020	7.21	598	29.9	10.47	6.36	32.21	418.96	
1/12/2020	7.35	626	30	10.49	5.37	34.66	416.26	
1/15/2020	7.41	457	30	10.55	5.80		321.17	
1/18/2020	6.91	630	30	10.86	5.39	32.78	403.32	
1/21/2020	7.3	627	30	10.68	5.25	30.34	424.50	
1/24/2020	7.31	565	30	10.45	5.38	35.66	390.17	
1/27/2020	7.18	633	30	10.30	6.08	32.57	429.37	
1/30/2020	7.17	580	30	10.42	5.33	32.01	394.82	
2/2/2020	7.09	631	30	10.62	5.96	31.25	418.28	
2/5/2020	7.18	631	30	10.47	5.15	34.83	427.07	
2/8/2020	7.1	633	30	10.56	5.45	31.13	423.00	
2/11/2020	7.15	638	29.9	10.39	5.96	31.30	422.27	
2/14/2020	7.35	637	30	10.38	5.60	34.49	427.85	
2/17/2020	7.29	637	30	12.52	8.22	35.46	446.64	
2/20/2020	7.16	637	29.9	10.36	5.48	33.89	423.19	
2/23/2020	7.17	640	30	10.16	5.40	33.97	449.73	
2/26/2020	7.2	636	30	10.20	5.71	33.26	428.75	
2/29/2020	7.23	635	29.9	11.02	6.43	33.12	429.62	
3/3/2020	7.21	639	30	10.26	7.09	34.18	427.86	
3/6/2020	7.19	641	30	10.36	6.28	36.75	425.61	
3/9/2020	7.33	603	29.9	10.99	6.45	34.44	426.31	
3/12/2020	7.21	641	29.9	10.29	6.22	34.40	425.65	
3/15/2020	7.22	634	30	10.09	5.94	31.37	414.00	
3/18/2020	7.22	639	30	10.23	5.65	32.44	421.62	
3/21/2020	7.22	639	30	10.36	5.72	31.75	418.55	
3/24/2020	7.21	640	29.9	10.20	6.01	33.74	426.00	
3/27/2020	7.22	636	30	10.28	5.75	35.41	432.03	
3/30/2020	7.74	408	29.9	10.62	5.92	31.36	413.20	
4/2/2020	7.3	592	29.9	10.22	6.15	32.83	424.49	
4/5/2020	7.3	643	30	9.97	5.59	32.57	417.11	
4/8/2020	7.3	486	30	10.17	5.93	34.73	358.89	
4/11/2020	7.22	632	30	9.97	6.43	31.36	417.45	
4/14/2020	7.21	636	29.9	10.16	6.02	32.17	420.82	
4/17/2020	6.99	632	30	10.09	6.34	28.79	406.04	
4/20/2020	7.06	634	29.9	11.00	7.17	33.11	423.75	
4/23/2020	7.13	632	29.9	11.55	6.44	33.61	427.17	
4/26/2020	7.15	635	30	10.67	5.96	32.97	430.12	
4/29/2020	7.27	630	29.9	10.42	6.60	35.93	437.22	Joinpoint 1
5/2/2020	7.07	658		10.12	6.98	38.05	453.97	
5/5/2020	7.12	659		9.99	7.71	38.18	443.24	
5/8/2020	7.07	658	29.7	10.53	7.69	39.97	448.05	
5/11/2020	7.08	657	30	9.87	7.03	35.96	451.05	
5/14/2020	7.09	657	29.6	10.14	6.95	36.10	454.42	
5/17/2020	7.1	661	30	9.50	6.81	35.96	442.83	
5/20/2020	7.09	662	29.8	10.35	7.31	39.72	453.83	
5/23/2020	7.14	623	29.9	9.95	5.90	34.23	432.29	
5/26/2020	7.14.	639	29.9	9.86	5.78	36.01	431.51	
5/29/2020	7.21	644	30	10.29	6.60	39.08	432.56	
6/1/2020	7.18	638	29.8	9.97	6.60	35.98	433.57	
6/4/2020	6.91	657	29.9	9.53	6.78	37.23	440.83	
6/7/2020	7.15	656	29.9	9.28	6.96	34.56	432.60	
6/10/2020	7.14	652	30	9.38	10.57	Joinpoint 2	439.58	
6/13/2020	7.04	578	29.9	9.50	7.50	35.50	426.60	
6/16/2020	7.15	652	29.8	9.38	7.57	34.54	439.37	

6/19/2020	7.2	581	29.7	9.03	6.67	34.45		435.88
6/22/2020	7.31	584	29.9	9.76	9.57	39.93		432.56
6/25/2020	7.25	571	29.8	9.47	8.90	40.81		419.80
6/28/2020	7.21	563	29.9	9.31	8.74	40.30	Joinpoint 1	402.49
7/1/2020	7.3	751	29.9	8.68	7.00	32.00		404.93
7/4/2020	7.4	753	29.7	8.11	7.67	31.82		401.45
7/7/2020	7.24	784	29.8	9.46	5.22	26.73	Joinpoint 2	411.58
7/10/2020	7.22	780	30	9.49	5.35	27.13		411.85
7/13/2020	7.26	779	29.9	9.50	5.09	26.56		414.80
7/16/2020	7.22	783	29.7	9.32	5.23	26.87		402.53
7/19/2020	7.36	781	30	9.27	5.35	27.17		410.96
7/22/2020	7.21	774	29.9	9.31	5.04	26.38		414.28
7/25/2020	7.19	776	29.6	9.63	5.17	26.31		410.08
7/28/2020	7.19	777	29.9	9.94	5.13	26.53		407.10
7/31/2020	7.41	636	29.9	9.31	5.14	26.42		371.93
8/6/2020	7.16	775		9.29	5.52	27.07		414.44
8/9/2020	7.19	776		9.49	5.43	26.83		406.42
8/12/2020	7.11	776		9.31	5.38	27.04		409.24
8/15/2020	7.11	778		9.10	6.87	27.06		405.36
8/18/2020	7	775		9.44	7.14	26.97		413.39
8/21/2020	7.11	777		9.38	5.30	26.84		405.61
8/24/2020	7.22	778		9.67	5.46	26.86		410.32
8/27/2020	7.08	771		9.73	5.11	26.61		410.50
8/30/2020	7	773		9.58	5.25	26.52		406.05
9/2/2020	7.15	778	29.9	9.31	5.38	26.81		395.98
9/5/2020	7.02	773	29.8	9.32	4.85	26.04		399.82
9/8/2020	7.06	771	29.9	9.32	5.20	26.28		405.53
9/11/2020	7.71	618	29.9	9.10	5.60	26.53		408.21
9/14/2020	7.1	783	29.8	9.43	5.68	27.53		412.74
9/17/2020	6.86	781	29.9	9.41	5.67	27.52		407.86
9/20/2020	7.33	782	29.9	9.64	5.74	27.32		416.23
9/23/2020	6.87	781	29.8	9.68	5.89	27.46		418.22
9/26/2020	7.25	786	29.9	9.79	6.12	27.34		410.73
9/29/2020	7.29	775	29.9	9.51	5.63	27.34		414.30
10/2/2020	6.96	776		9.41	5.58	27.25		402.76
10/5/2020	7.06	771		10.22	5.37	26.72		410.40
10/8/2020	7.09	767		9.28	5.08	26.43		412.75
10/11/2020	7.11	761		9.73	4.86	25.36		403.86
10/14/2020	6.88	759		9.64	5.03	25.29		387.43
10/17/2020	7.08	757		9.85	5.03	25.69		404.60
10/20/2020	7.07	757		9.80	5.14	25.45		405.78
10/23/2020	7.03	762		9.84	4.76	25.65	Joinpoint 3	405.00
10/26/2020	7.14	755		9.59	4.75	24.75		394.30
10/29/2020	6.98	756		9.66	4.69	24.84		397.95
11/1/2020	7.1	709.7	29.9	9.34	4.90	25.57		453.82
11/4/2020	7.03	696.6	29.9	9.58	4.23	24.76		454.51
11/7/2020	7.08	702.1	30	9.80	4.54	24.88		456.11
11/10/2020	6.7	696.8	30	9.45	4.32	24.09		453.74
11/13/2020	6.9	694.6	29.8	9.86	4.54	24.34		453.22
11/16/2020	6.89	695.2	29.9	9.84	4.56	24.89		452.59
11/19/2020	6.94	698.9	29.8	9.53	4.61	24.58		461.67
11/22/2020	6.97	703.2	30	9.02	5.04	25.47		460.21
11/25/2020	6.77	719.5	29.9	10.21	4.85	25.49		446.45
11/28/2020	6.94	703.3	30	9.01	6.40	24.63	Joinpoint 3	452.29
12/1/2020	6.98	724.4	30	9.61	5.05	26.61		426.36
12/4/2020	7.23	730.1	29.9	9.85	7.03	27.56		434.65
12/7/2020	7.15	731.3	30	9.78	6.78	27.01		429.61
12/10/2020	7.14	724		9.87	5.72	26.50		424.06
12/13/2020	7.1	730.4		10.14	6.66	26.25		428.23
12/16/2020	7.44	724.6		9.95	5.43	26.30		414.85
12/19/2020	7.43	725.5		10.02	5.34	26.55		428.48
12/22/2020	7.06	727.2		10.06	7.41	26.28		421.71
12/25/2020	7.24	719.1		9.89	5.13	25.79		424.84
12/28/2020	7.03	726.8		9.92	5.26	25.86		432.51
12/31/2020	7.45	605.4		9.94	7.03	25.52		377.83

1/3/2021	7.81	675.9	29.9	9.86	4.64	25.29	392.64	
1/6/2021	7.98	658.9	29.9	10.01	4.67	25.87	404.85	
1/9/2021	7.73	650.6	30	9.89	4.89	25.16	401.32	
1/12/2021	7.82	675.8	30	10.35	4.64	25.53	395.42	
1/15/2021	7.41	700	29.8	10.23	5.20	26.04	409.13	
1/18/2021	7.35	711.8	29.9	9.73	5.66	26.77	412.26	
1/21/2021	7.25	708.6	30	9.81	5.33	26.51	412.01	
1/24/2021	7.39	715.7	29.9	10.28	5.66	26.51	419.46	
1/27/2021	7.35	713.3	29.9	9.87	5.49	26.34	418.49	
1/30/2021	7.55	716.6	30	9.90	5.88	26.23	414.01	
2/5/2021	7.05	720.5		9.20	6.45	34.63	426.84	
2/11/2021	7.21	717.6		9.33	6.13	34.03	423.38	
2/14/2021	7.39	720.1		9.28	6.32	34.45	428.91	
2/20/2021	7.26	687.1		9.21	6.24	33.90	405.01	
2/23/2021	7.03	728.5		8.94	6.92	35.40	436.10	
2/25/2021	6.99	726.2		9.07	7.04	35.32	437.60	
3/1/2021	7.17	728.7	29.8	9.31	6.42	28.34	435.77	
3/4/2021	7.22	718.4	29.8	9.02	6.26	28.08	434.11	
3/7/2021	7.2	730.3	29.9	9.60	6.14	28.31	435.20	
3/10/2021	7.16	730.6	29.9	8.63	6.06	27.61	425.31	
3/13/2021	7.46	651.9	29.8	8.97	6.04	27.61	390.04	
3/16/2021	7.14	737.2	29.9	9.43	6.67	29.28	435.36	
3/19/2021	7.32	724	29.9	8.78	6.38	28.35	434.01	
3/22/2021	7.47	734	29.9	8.86	6.57	28.55	437.86	
3/25/2021	7.41	729.6	29.8	8.42	6.15	27.26	422.34	
3/28/2021	7.32	730.5	29.8	9.04	6.31	28.38	433.04	
3/31/2021	7.48	688.8	29.9	9.27	6.38	28.64	429.61	
4/3/2021	7.26	727.3		8.95	7.30	38.44	439.27	
4/6/2021	7.21	726.8		8.75	7.36	38.25	444.02	
4/9/2021	7.14	729.4		8.89	7.28	38.22	447.35	
4/12/2021	7.22	733.6		8.90	7.30	37.94	452.05	
4/15/2021	7.7	709.9		9.22	6.67	36.67	439.57	
4/18/2021	7.6	580.5		9.07	6.48	36.57	382.47	
4/21/2021	7.61	551.5		9.04	6.44	36.57	376.60	Joinpoint 2
4/24/2021	7.21	705.8		8.86	7.00	37.06	440.49	
4/27/2021	7.55	658.6		8.72	7.03	37.70	443.79	
4/30/2021	7.27	726.4		8.75	7.27	38.44	453.79	
5/3/2021	7.73	644.3		9.14	7.11	37.47	454.97	
5/6/2021	7.5	674.5		9.14	7.13	37.00	458.22	
5/9/2021	7.39	670.9		9.19	7.18	37.24	451.98	
5/12/2021	7.25	674.1		9.19	7.11	37.04	455.36	
5/15/2021	7.51	661.3		9.17	7.15	37.17	457.09	
5/18/2021	7.48	733.7		8.90	8.46	40.50	492.61	
5/21/2021	7.56	716.9		8.91	8.51	40.48	501.69	Joinpoint 3
5/24/2021	7.52	717.8		8.84	8.56	40.61	491.39	
5/27/2021	7.39	721.3		9.36	7.70	38.30	481.00	
5/30/2021	7.6	647		9.31	8.02	39.30	450.32	
6/2/2021	7.22	740.9		9.05	7.85	40.62	461.08	
6/5/2021	7.16	740.6		8.96	7.70	40.50	460.93	
6/8/2021	7.2	763.2		8.83	9.71	47.73	489.89	
6/11/2021	7.26	764.7		8.97	9.82	46.07	490.98	
6/14/2021	7.3	767.3		8.83	9.74	45.39	491.18	
6/17/2021	7.23	751.4		9.25	8.40	42.54	475.70	
6/20/2021	7.25	750.4		9.11	8.35	42.60	457.56	
6/23/2021	7.2	753.6		9.23	8.38	42.04	472.84	
6/26/2021	7.17	753		9.13	8.37	42.05	472.44	
6/29/2021	7.18	744.9		9.21	8.25	41.96	467.22	
7/2/2021	7.23	736.2		9.61	7.21	39.55	446.22	
7/5/2021	7.41	721.9		9.78	6.70	37.00	429.73	

7/8/2021	7.44	726.4	9.89	6.69	36.87	435.39
7/11/2021	7.34	728.3	9.51	6.82	37.12	426.98
7/14/2021	7.38	720.1	9.82	6.75	37.09	423.87
7/17/2021	7.17	730.1	9.83	6.66	36.94	396.05
7/20/2021	7.43	725.6	9.40	6.51	36.79	423.46
7/23/2021	7.5	740	9.19	8.91	43.34	448.08
7/27/2021	7.19	759.2	9.45	8.71	42.45	461.11
7/29/2021	7.19	762.6	9.47	8.69	42.65	461.45

