

Major river	Tributaries	Location	Discharge (10 <sup>9</sup> m <sup>3</sup> a <sup>-1</sup> )	Area (10 <sup>3</sup> km <sup>2</sup> )	Runoff (mm a <sup>-1</sup> )	Contribution (%)				Fluxes (10 <sup>6</sup> t a <sup>-1</sup> )		Weathering rate (t km <sup>-2</sup> a <sup>-1</sup> )				CO <sub>2</sub> consumption rate (10 <sup>3</sup> mol km <sup>-2</sup> a <sup>-1</sup> )			
						Rain	Anth.	Sil.	Carb.	SWF	CWF	Cat <sub>sil</sub> <sup>a</sup>	SWR <sup>b</sup>	CWR <sup>b</sup>	TWR <sup>b</sup>	CSW <sup>c</sup>	CCW <sup>c</sup>	SSW <sup>d</sup>	SNSW <sup>e</sup>
Qiantang		Fuyang	43.81	38.32	1143	9	14	23	54	0.66	1.74	6.8	17.3	45.3	62.6	223	459	195	184
	Fenshui	Tonglu	2.726	3.100	879	7	14	18	62	0.05	0.16	5.5	14.7	52.1	66.8	167	530	152	146
Cao'e		Huashan	2.610	3.043	858	7	23	26	44	0.06	0.11	6.8	18.2	35.4	53.5	269	369	240	229
	Ling	Linhai	5.400	6.613	817	9	22	24	45	0.09	0.17	4.7	14.2	26.1	40.3	167	267	143	133
	Yonganxi	Baizhiao	3.184	2.475	1286	14	15	50	21	0.06	0.03	9.1	24.2	11.7	35.9	350	119	255	216
	Shifengxi	Shaduan	1.731	1.482	1168	11	19	35	36	0.03	0.04	7.6	21.4	24.5	45.9	304	249	249	227
Ou		Hecheng	20.65	13.45	1536	20	6	56	18	0.36	0.13	10.1	26.9	9.9	36.9	360	101	228	174
	Haoxi	Huangdu	1.809	1.270	1447	16	8	46	30	0.04	0.02	9.9	27.9	19.0	46.9	336	192	246	210
	Xiaoxi	Jupu	5.116	3.336	1534	23	0	74	4	0.09	0.01	11.4	26.4	1.8	28.2	391	18	202	125
	Nanxi	Yongjiashi	1.799	1.273	1413	21	9	63	7	0.03	0.00	10.0	26.3	3.3	29.6	360	34	200	135
Huotong		Yangzhong	3.470	2.082	1667	22	18	54	5	0.06	0.00	8.3	27.3	2.1	29.4	305	24	129	59
Ao		Lianjiang	2.770	3.170	874	17	17	48	17	0.05	0.02	5.1	17.3	5.4	22.7	188	56	122	95
Min		Zhuqi	84.59	54.50	1552	15	10	48	27	1.80	0.94	10.3	33.0	17.3	50.2	390	180	292	252
	Futun	Yangkou	22.53	12.67	1778	15	14	49	22	0.45	0.21	12.0	35.8	16.2	52.0	460	171	336	286
	Shaxi	Shaxian	12.87	9.922	1297	13	9	42	36	0.26	0.21	8.4	26.5	21.7	48.1	315	222	249	223
	Jianxi	Qilijie	24.91	14.79	1685	16	10	45	29	0.48	0.26	9.6	32.2	17.4	49.6	350	185	250	210
	Youxi	Youxi	5.237	4.450	1177	15	8	46	31	0.11	0.07	7.4	24.5	15.0	39.5	272	156	205	178
	Dazhangxi	Yongtai	4.205	4.034	1042	15	21	47	17	0.08	0.03	6.6	20.2	7.1	27.4	242	73	163	131
Jin	Xixi	Anxi	3.004	2.466	1218	9	10	29	52	0.06	0.10	7.9	24.4	42.2	66.6	284	430	247	232
	Dongxi	Honglai	2.236	1.704	1312	12	22	28	38	0.04	0.04	6.8	22.9	25.6	48.5	226	263	178	158
	Jiulong	Punan	10.20	8.49	1201	13	14	28	45	0.19	0.29	7.3	22.2	34.0	56.2	263	351	209	188
	Xi'xi	Zhengdian	4.080	3.420	1193	10	32	25	33	0.10	0.11	8.0	30.7	30.9	61.6	288	317	227	203
	Zhang	Yunxiao	1.011	1.038	974	16	25	29	29	0.02	0.01	5.1	21.9	14.1	36.0	174	146	114	90
Dongxi		Zhao'an	1.176	0.955	1231	16	41	26	17	0.03	0.01	5.8	28.7	10.2	38.9	187	107	93	55
Huanggang		Raoping	1.637	1.621	1010	15	30	34	21	0.04	0.02	6.0	22.8	11.1	33.9	227	115	145	112
Han		Chao'an	24.75	29.08	851	16	7	38	39	0.49	0.50	5.4	17.0	17.0	34.0	208	176	156	135
	Ding	Xikou	11.14	9.228	1207	17	6	46	32	0.31	0.18	9.0	33.3	19.1	52.4	341	196	249	212
	Mei	Hengshan	10.29	12.95	794	12	13	31	44	0.21	0.32	5.7	16.6	24.5	41.1	212	252	173	157
Whole SECRB			207	167	1240					3.95	4.09	7.8	23.7	24.5	48.1	287	251	218	191