

HIGASHIYAMA

1990

unit: mm/day

annual precipitation: 2057.5

annual runoff: 1196.2

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.8	26.0	2.0	0.0	3.7	12.5	3.7	0.0	2.1	0.0	1.9	13.0	2.3	0.0	1.3	0.0	1.1	66.0	21.0	0.0	4.3	21.0	4.0
2	0.0	0.8	4.0	2.6	12.0	3.8	0.0	3.1	0.0	2.0	28.5	3.0	3.0	2.7	0.0	1.2	0.0	1.0	0.0	9.3	0.0	3.3	0.0	3.6
3	0.0	0.8	1.5	1.9	3.5	3.6	0.0	2.6	0.0	1.9	0.0	2.6	16.0	2.5	0.0	1.1	5.5	1.1	0.0	6.4	0.0	2.9	0.0	2.9
4	0.0	0.8	7.5	2.1	18.5	4.6	12.0	2.5	22.0	2.6	0.0	2.1	16.0	3.7	0.0	1.0	10.5	1.7	0.0	5.5	1.0	2.6	0.0	2.6
5	0.0	0.7	0.0	1.8	0.0	4.1	40.0	10.8	104.0	25.0	14.0	2.5	5.5	3.6	0.0	1.0	0.0	1.2	10.5	5.9	8.0	2.9	0.0	2.5
6	0.0	0.7	0.0	1.6	0.0	3.5	0.0	5.7	12.5	23.4	11.0	3.3	0.0	2.7	0.0	0.9	0.0	1.1	7.0	4.6	0.0	2.4	0.0	2.4
7	0.0	0.7	0.0	1.5	0.0	3.2	0.0	4.3	0.0	11.8	0.5	2.5	0.0	2.2	0.0	0.8	0.0	1.0	2.5	4.6	0.0	2.2	0.0	2.1
8	0.0	0.7	0.0	1.4	1.0	3.0	38.0	5.4	49.0	18.1	0.0	2.0	0.0	2.0	0.0	0.8	0.0	1.0	32.0	6.9	0.0	2.2	0.0	2.0
9	0.0	0.7	0.0	1.3	0.0	2.8	7.0	9.2	0.0	14.9	1.5	1.8	0.5	2.0	0.0	0.8	0.0	0.8	39.0	17.6	0.0	2.0	0.0	1.9
10	6.5	0.7	0.0	1.2	0.0	2.6	0.0	5.7	0.0	9.1	68.0	11.2	0.0	1.9	26.0	1.6	0.0	0.7	0.0	9.4	65.0	9.3	0.0	1.8
11	8.5	1.3	12.0	1.3	0.0	2.5	0.0	4.7	0.0	6.7	0.0	4.2	0.0	1.8	1.0	1.5	0.0	0.6	0.0	6.5	0.0	6.6	0.0	1.8
12	0.0	0.9	20.5	4.6	9.0	2.7	0.0	4.0	0.0	5.9	0.0	4.0	0.0	1.7	20.0	1.9	0.0	0.6	0.0	5.5	0.0	4.5	12.5	2.4
13	0.0	0.8	0.0	2.7	3.5	2.8	0.5	3.6	0.0	5.2	6.5	4.1	20.0	2.5	0.0	1.3	0.0	0.6	8.5	5.2	0.0	3.8	0.5	1.9
14	0.0	0.8	0.0	2.3	0.0	2.3	34.0	6.3	0.0	4.8	0.0	3.6	0.0	2.0	3.0	1.1	4.0	0.7	4.5	5.1	0.0	3.4	0.0	1.8
15	0.0	0.8	6.5	2.2	9.5	2.6	0.5	5.2	6.0	4.8	0.0	3.0	14.0	2.0	0.5	1.1	6.0	0.8	2.5	4.6	0.0	3.1	0.0	1.7
16	0.0	0.8	3.0	2.3	0.0	2.7	0.0	4.3	0.0	4.1	25.5	6.3	9.0	2.6	0.0	1.0	22.5	1.8	0.0	4.1	0.0	2.8	0.0	1.7
17	3.0	0.9	0.5	2.2	0.0	2.2	0.0	3.8	0.0	3.7	29.5	10.6	5.5	2.2	0.0	0.9	11.5	1.5	0.0	3.7	0.0	2.6	0.5	1.7
18	1.0	0.8	0.0	2.0	0.0	2.1	0.0	3.5	0.0	3.5	0.0	6.1	0.0	1.9	31.0	2.6	151.5	23.4	0.0	3.4	0.0	2.5	1.0	1.6
19	11.0	0.8	0.0	1.9	0.0	2.0	0.0	3.2	33.5	3.9	0.0	4.6	0.0	1.7	0.0	1.4	2.0	10.6	0.0	3.1	0.0	2.4	0.5	1.6
20	5.0	1.5	42.5	3.8	0.0	1.9	0.0	3.1	8.5	7.3	0.0	3.9	0.0	1.5	0.0	1.1	86.5	27.1	0.0	2.9	3.5	2.3	0.0	1.5
21	0.0	1.0	11.0	8.5	0.0	1.8	3.5	3.0	0.0	4.3	4.5	3.7	0.0	1.4	0.0	1.0	0.0	16.1	0.0	2.7	19.0	3.5	9.0	1.7
22	0.0	0.9	0.0	4.3	0.0	1.7	0.0	2.9	0.0	3.7	0.5	3.3	0.0	1.3	0.0	0.9	0.0	7.8	0.0	2.6	0.0	2.7	0.0	1.7
23	0.0	0.9	0.0	3.5	0.0	1.7	11.5	3.0	0.0	3.2	0.0	3.0	0.0	1.2	46.0	4.2	0.0	5.5	0.0	2.5	0.0	2.5	0.0	1.5
24	0.0	0.8	63.5	11.0	0.5	1.6	1.0	3.3	0.0	3.0	0.0	2.6	14.0	1.3	6.0	2.7	0.0	4.4	0.0	2.4	0.0	2.3	0.0	1.4
25	0.0	0.8	0.0	10.6	8.0	1.9	0.0	2.7	0.0	2.8	0.5	2.5	1.0	1.7	0.0	1.8	21.0	5.9	0.0	2.2	0.0	2.2	0.0	1.4
26	0.5	0.8	5.0	6.9	0.0	1.6	0.0	2.5	0.0	2.6	3.5	2.3	39.5	3.8	0.0	1.5	0.0	5.5	31.0	3.8	8.0	2.3	2.5	1.3
27	0.0	0.7	0.0	5.2	0.0	1.5	0.0	2.4	0.0	2.4	1.5	2.5	0.0	2.0	0.0	1.4	14.5	5.7	3.5	3.5	1.0	2.4	0.0	1.4
28	0.0	0.6	0.0	4.3	0.0	1.5	0.0	2.2	0.0	2.2	7.5	2.7	0.0	1.7	0.0	1.2	0.0	4.4	0.0	2.7	4.5	2.2	0.5	1.5
29	9.5	0.7			28.5	2.9	10.0	2.5	0.0	2.1	0.0	2.2	0.0	1.5	0.0	1.2	1.5	3.6	0.0	2.4	0.5	2.2	2.5	1.4
30	18.5	2.4			6.5	2.8	0.0	2.4	0.0	2.0	0.5	2.1	0.0	1.4	0.0	1.1	15.5	3.7	16.0	2.6	7.0	2.2	2.5	1.4
31	0.0	1.3			11.5	2.7			0.0	1.9			2.0	1.3	0.0	1.1			29.5	5.8			1.0	1.4
total	63.5	27.7	203.5	97.0	112.0	80.4	170.5	121.6	235.5	191.0	203.5	110.2	159.0	64.1	133.5	42.5	352.5	141.0	252.5	168.5	117.5	92.6	54.0	59.6

HIGASHIYAMA

1991

unit: mm/day

annual precipitation: 2038.5

annual runoff: 1366.4

1366.4

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	1.5	0.0	1.2	5.5	2.1	0.0	4.4	0.0	2.9	22.5	3.0	0.0	14.1	0.0	4.1	0.0	3.9	25.5	7.2	0.0	3.4	0.0	6.3
2	0.5	1.9	0.0	1.1	0.0	1.6	0.0	3.7	0.0	2.5	2.5	2.1	10.5	9.9	0.0	3.7	0.0	2.4	11.0	8.3	0.0	3.1	0.0	5.3
3	0.0	1.6	0.0	1.1	0.0	1.5	0.0	3.3	0.0	2.3	46.5	7.4	0.0	6.8	0.0	3.2	0.0	2.0	0.0	4.6	0.0	2.9	0.0	4.6
4	0.0	1.5	0.0	1.0	0.0	1.4	0.0	3.0	0.0	2.1	32.5	10.1	0.0	5.8	0.0	2.7	0.0	1.8	0.0	3.6	0.0	2.8	0.0	4.2
5	0.0	1.5	0.0	1.0	0.0	1.3	0.0	2.8	0.0	2.0	0.0	7.3	58.0	11.0	0.0	2.6	0.0	1.6	3.0	3.2	0.0	2.6	0.0	3.9
6	0.0	1.5	0.5	1.0	0.0	1.2	0.0	2.7	0.0	1.9	0.0	5.0	0.5	11.6	5.0	2.7	0.0	1.5	11.0	4.1	0.0	2.4	0.0	3.7
7	0.0	1.5	0.0	1.0	0.0	1.2	23.5	3.5	0.0	1.8	0.0	4.0	0.0	8.1	37.5	4.9	0.0	1.5	51.5	8.8	0.0	2.4	0.0	3.6
8	0.0	1.6	0.0	1.0	0.0	1.1	12.5	4.6	0.0	1.8	0.0	3.4	1.0	6.8	0.0	4.2	0.0	1.3	2.5	10.5	0.0	2.3	0.0	3.3
9	1.5	1.6	0.5	1.0	41.0	4.0	10.0	5.7	33.5	4.0	0.0	3.0	0.0	5.7	0.0	3.0	2.0	1.4	1.5	7.3	11.0	3.0	0.0	3.0
10	1.5	1.5	0.0	1.0	0.5	3.2	0.5	4.5	0.0	3.6	6.0	2.8	0.0	5.4	0.0	2.7	0.0	1.2	4.5	6.9	0.0	2.4	0.5	2.6
11	3.5	1.4	17.0	1.8	3.5	2.4	4.5	4.0	0.0	2.7	0.5	3.1	0.0	5.0	0.0	2.6	0.0	1.1	11.0	6.9	0.0	2.2	0.0	2.4
12	1.0	1.4	0.0	1.3	13.0	3.6	0.5	3.8	0.0	2.3	0.0	2.6	10.5	4.7	0.0	2.4	0.0	1.1	16.5	9.2	0.0	2.1	2.0	2.3
13	2.0	1.4	0.0	1.1	0.0	2.8	0.0	3.3	16.5	3.0	0.0	2.4	20.0	7.2	0.5	2.3	2.0	1.0	2.5	7.6	0.0	2.0	0.5	2.2
14	0.5	1.3	0.0	1.1	0.0	2.4	12.0	3.8	0.0	2.5	64.0	13.6	0.0	4.8	0.0	2.1	66.0	3.7	0.0	5.9	0.0	2.0	0.0	2.0
15	0.0	1.3	0.0	1.0	0.0	2.2	0.0	3.4	0.0	2.2	0.0	6.6	0.0	4.2	0.0	1.9	18.5	8.6	0.0	5.0	0.0	1.9	0.0	2.0
16	0.0	1.3	24.0	2.2	0.0	2.0	0.0	3.0	14.5	2.8	24.0	6.3	34.5	6.0	0.0	1.6	7.0	3.9	0.0	4.3	0.0	1.8	0.0	2.0
17	1.0	1.3	0.0	1.9	11.0	2.8	0.0	2.8	3.5	2.8	0.0	5.3	23.5	11.2	0.0	2.0	0.0	3.3	1.0	4.0	0.0	1.8	0.0	1.9
18	3.0	1.4	0.0	1.7	0.0	2.3	3.0	2.7	0.0	2.4	3.0	5.4	30.5	12.7	0.0	1.6	7.0	2.7	50.5	10.9	0.0	1.8	5.0	2.0
19	0.5	1.3	0.0	1.5	0.0	2.0	8.0	3.2	0.0	2.2	0.0	4.7	32.5	21.7	0.0	1.5	167.0	36.5	0.0	6.1	0.0	1.7	0.0	1.9
20	0.0	1.2	0.0	1.3	0.0	1.9	0.0	2.7	0.0	2.0	10.0	4.2	0.5	9.7	0.0	1.5	15.0	54.4	0.0	5.0	0.0	1.6	0.0	1.7
21	0.0	1.2	0.0	1.2	6.5	2.2	0.0	2.5	0.0	1.8	5.5	4.8	0.0	7.3	7.5	1.7	0.0	12.2	0.0	4.5	0.0	1.6	0.0	1.7
22	23.5	2.5	0.0	1.2	1.0	1.9	0.0	2.3	0.0	1.8	0.5	3.6	0.0	6.0	1.5	1.5	2.5	8.1	0.0	4.1	0.0	1.5	0.0	1.7
23	0.5	1.8	2.0	1.2	44.0	5.8	0.0	2.2	0.0	1.8	15.5	4.3	0.5	5.2	0.5	1.5	0.0	6.3	0.0	3.8	0.0	1.5	0.0	1.6
24	0.0	1.5	0.0	1.1	5.0	7.0	4.0	2.3	0.0	1.6	25.0	5.6	0.0	4.5	0.5	1.5	0.0	5.3	0.0	3.4	3.5	1.6	7.5	2.0
25	5.5	1.6	0.5	1.0	0.0	4.6	10.0	2.5	0.0	1.6	16.0	8.1	0.0	4.1	22.5	2.7	4.5	4.9	29.0	4.7	0.0	1.5	0.0	1.7
26	0.0	1.5	2.0	1.1	0.0	3.8	0.0	2.4	0.5	1.6	0.0	6.1	0.0	3.7	0.0	1.9	0.0	4.4	0.0	5.2	0.0	1.4	27.0	3.3
27	0.0	1.4	3.0	1.1	1.0	3.5	1.5	2.2	7.0	1.7	0.0	4.8	39.5	5.4	0.0	1.5	4.5	4.2	14.0	4.4	0.5	1.4	0.0	3.1
28	0.0	1.3	4.5	1.2	10.0	3.5	0.0	2.1	3.5	1.8	0.0	4.1	5.5	6.4	0.0	1.4	7.5	4.7	9.0	5.6	41.0	2.6	45.5	6.9
29	0.0	1.3			0.0	3.1	15.0	2.3	0.5	1.6	22.5	4.6	2.0	4.8	0.5	1.3	0.0	5.6	0.0	4.6	97.5	29.8	0.0	6.1
30	0.0	1.2			0.0	2.8	14.5	3.9	0.0	1.5	67.5	15.4	12.5	4.7	4.0	1.4	0.5	5.1	0.0	4.0	0.0	9.9	0.0	4.4
31	0.0	1.2			28.0	4.8			0.0	1.3			0.0	4.6	55.0	5.3			0.0	3.7			0.5	3.7
total	44.5	45.5	54.0	34.4	170.0	86.0	119.5	95.6	79.5	67.9	364.0	163.7	282.0	229.1	135.0	75.0	304.0	195.7	244.0	177.4	153.5	99.0	88.5	97.1

HIGASHIYAMA

1992

unit: mm/day

annual precipitation: 1641.0

annual runoff: 956.2

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.5	3.4	8.5	1.8	6.5	1.2	16.5	3.8	14.5	4.1	0.0	3.3	29.5	4.3	0.0	1.6	0.0	0.8	0.0	2.7	0.0	1.6	0.0	1.5
2	5.0	3.3	0.0	1.8	0.0	1.2	25.5	9.5	0.0	2.9	0.0	3.0	7.0	3.6	2.5	1.6	0.0	0.8	29.5	4.5	0.0	1.5	20.0	3.4
3	2.0	3.1	2.5	1.6	0.0	1.1	0.0	5.9	0.5	2.7	0.0	2.8	0.0	3.2	6.5	1.6	0.0	0.7	0.0	3.1	0.0	1.4	0.0	3.1
4	2.0	3.0	24.5	2.7	0.0	1.0	0.0	9.9	0.0	2.5	0.0	2.6	0.0	2.9	1.0	1.8	0.0	0.7	0.0	2.1	0.0	1.4	0.0	2.0
5	0.0	3.0	1.0	2.8	0.0	1.0	28.0	5.3	0.0	2.3	0.0	2.6	0.0	2.6	0.0	1.5	0.0	0.6	0.0	1.7	0.0	1.4	0.0	1.5
6	0.0	2.8	0.0	2.1	20.5	1.9	0.0	5.7	0.0	2.2	1.5	2.6	7.0	2.9	0.0	1.5	0.0	0.6	18.0	3.0	0.0	1.3	0.0	1.5
7	12.5	3.3	0.0	1.9	0.0	1.4	0.0	4.3	0.0	2.1	0.5	2.4	0.0	2.5	0.0	1.3	0.0	0.6	0.0	2.2	2.0	1.3	8.0	1.5
8	0.0	2.7	0.0	1.7	0.0	1.2	0.0	3.7	9.5	2.6	59.5	7.0	0.0	2.5	0.0	1.3	0.0	0.6	0.0	1.6	0.0	1.2	58.5	6.6
9	2.5	2.6	0.0	1.6	0.0	1.2	0.0	3.4	37.0	3.9	0.0	5.9	0.5	2.2	37.5	3.2	0.0	0.6	48.5	6.1	1.0	1.2	0.5	7.0
10	4.0	2.8	0.0	1.6	2.5	1.2	9.0	3.2	21.5	8.3	0.0	4.0	0.0	2.0	2.0	3.9	0.0	0.5	0.0	5.3	37.5	4.6	0.0	4.1
11	0.0	2.3	0.0	1.5	0.0	1.2	18.0	4.5	0.0	4.6	2.0	3.4	15.5	2.2	0.0	2.4	0.0	0.5	0.0	3.4	0.0	3.0	11.5	4.0
12	0.5	2.2	0.0	1.4	0.0	1.1	0.0	3.8	0.0	3.8	46.5	11.2	12.5	3.5	12.0	2.8	0.0	0.5	0.0	2.7	0.0	2.2	0.0	3.4
13	0.0	2.1	0.0	1.4	0.0	1.1	1.5	3.4	2.0	3.4	0.0	6.5	0.5	2.4	6.0	2.4	0.0	0.5	0.0	2.5	0.0	1.8	0.0	3.0
14	2.0	2.1	0.0	1.3	0.0	1.0	0.0	3.1	27.5	4.7	0.0	5.0	28.0	3.7	4.5	2.9	0.0	0.5	3.0	2.4	2.5	1.7	2.0	2.8
15	0.0	2.0	0.5	1.3	0.0	1.0	0.0	2.9	5.0	5.4	5.0	4.4	44.0	10.1	0.5	2.1	11.0	0.9	24.5	3.5	0.0	1.6	0.5	2.5
16	0.0	1.9	1.5	1.3	13.5	1.6	9.5	3.3	35.5	8.2	0.0	3.9	1.0	6.2	0.0	2.0	0.0	0.8	2.5	3.2	0.0	1.5	0.0	2.4
17	0.5	1.9	0.0	1.3	0.0	1.2	0.0	3.1	0.0	7.4	0.0	3.4	0.0	4.6	0.0	1.8	0.0	0.6	0.0	2.1	0.0	1.4	0.0	2.2
18	0.0	1.8	0.0	1.2	24.0	1.6	0.0	2.5	5.0	5.5	0.0	3.2	33.0	7.0	6.5	1.8	0.0	0.5	0.0	1.8	0.0	1.3	0.0	2.1
19	0.0	1.8	0.0	1.2	12.0	3.8	8.0	2.4	9.0	5.9	0.5	3.0	3.0	6.3	0.5	1.8	12.5	0.8	0.5	1.7	0.0	1.3	0.0	2.0
20	0.0	1.8	0.0	1.2	0.0	4.6	2.0	3.0	0.0	4.7	5.0	2.8	0.0	4.8	0.0	1.5	0.5	0.8	23.0	2.2	8.0	1.4	0.0	1.9
21	0.5	1.8	0.0	1.2	11.5	2.1	0.0	2.4	0.0	4.3	18.5	3.8	0.0	4.0	0.0	1.4	0.0	0.6	0.0	2.6	40.5	5.9	0.0	1.8
22	2.5	1.7	0.0	1.1	8.0	2.9	9.0	2.3	0.0	3.8	0.0	2.9	0.0	3.5	0.0	1.4	0.0	0.5	0.0	1.9	0.0	3.5	1.5	1.8
23	0.0	1.7	0.5	1.1	0.0	2.2	46.0	10.7	0.0	3.5	0.0	2.6	0.0	3.2	0.0	1.4	0.0	0.5	0.0	1.6	0.5	2.8	0.0	1.7
24	0.0	1.6	0.0	1.1	7.0	2.3	0.0	5.2	5.5	3.6	42.5	5.8	0.0	2.8	24.0	1.9	0.0	0.5	13.0	1.6	0.0	2.4	0.0	1.7
25	0.0	1.6	0.0	1.1	14.0	2.9	7.5	4.6	0.0	3.3	0.0	4.9	0.0	2.6	1.0	2.3	4.0	0.6	9.5	3.1	0.0	2.1	0.0	1.7
26	0.0	1.6	0.0	1.1	0.5	2.7	0.0	3.8	0.0	2.9	0.0	3.7	0.0	2.4	0.0	1.6	51.0	5.2	0.0	2.1	0.0	2.0	0.0	1.6
27	0.0	1.5	0.0	1.1	0.5	2.4	0.0	3.4	0.0	2.8	0.0	3.1	0.0	2.2	0.0	1.4	0.0	1.5	0.0	1.8	0.0	1.8	1.0	1.7
28	0.0	1.5	0.0	1.1	5.5	2.4	0.0	3.1	47.0	7.3	0.0	2.9	0.0	2.0	0.0	1.2	0.0	1.0	0.0	1.6	0.0	1.7	9.0	1.7
29	0.0	1.4	0.0	1.0	10.5	2.3	0.0	2.9	2.5	4.4	0.0	2.7	0.0	1.9	0.0	1.0	3.0	0.9	0.5	1.6	0.0	1.7	2.5	1.7
30	0.5	1.4			28.5	4.5	8.0	2.7	9.5	3.8	2.0	2.5	0.0	1.8	0.0	0.9	39.5	3.8	2.0	1.6	0.0	1.6	0.0	1.5
31	0.0	1.4			0.0	4.9			2.5	3.9			0.0	1.7	0.0	0.8			7.0	2.3			0.0	1.5
total	35.0	67.1	39.0	42.6	165.0	62.2	188.5	127.8	234.0	130.8	183.5	117.9	181.5	107.6	104.5	56.1	121.5	28.0	181.5	79.6	92.0	59.6	115.0	76.9

HIGASHIYAMA

1993

unit: mm/day

n/a : data not available

annual precipitation: 1815.0

annual runoff: n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	1.4	1.5	1.4	0.0	3.3	0.0	1.8	6.0	2.7	0.0	1.1	29.0	25.1	0.0	4.8	0.0	2.4	43.0	7.4	2.0	2.3	12.0	1.9
2	0.0	1.4	0.0	1.3	0.0	2.8	0.0	1.6	1.5	2.2	0.0	1.0	0.0	17.4	0.0	3.9	0.0	2.3	0.0	4.4	0.0	2.0	1.5	2.3
3	0.0	1.3	0.0	1.3	0.0	2.6	0.0	1.6	31.5	4.4	1.0	1.0	49.5	22.0	18.5	4.4	9.5	2.5	0.0	3.7	0.0	1.7	0.0	1.9
4	0.0	1.3	0.0	1.2	0.0	2.5	0.0	1.5	0.0	3.9	0.5	1.0	0.5	20.1	11.0	5.6	36.5	9.0	13.0	4.1	0.0	1.5	0.5	1.8
5	0.0	1.3	0.0	1.2	0.0	2.4	2.0	1.6	0.0	2.9	0.0	0.9	29.5	17.7	1.0	4.8	7.5	4.7	0.0	3.6	0.0	1.4	0.0	1.7
6	0.0	1.2	0.0	1.2	0.0	2.3	0.0	1.4	0.0	2.5	0.0	0.9	0.0	16.9	21.0	5.7	0.0	3.2	0.0	3.3	0.0	1.4	0.0	1.7
7	4.5	1.3	0.0	1.2	4.5	2.3	0.0	1.4	0.0	2.2	0.0	0.8	6.0	13.9	0.0	5.1	16.0	3.6	0.0	3.0	0.0	1.4	0.0	1.6
8	20.0	2.4	1.0	1.2	0.5	2.7	0.0	1.3	0.0	2.0	0.0	0.8	1.0	9.1	7.0	4.7	35.5	6.7	10.5	2.9	12.0	1.6	0.0	1.6
9	0.0	1.7	0.5	1.1	0.0	2.0	0.0	1.3	0.0	1.9	37.5	1.9	1.5	6.9	4.0	4.5	22.0	7.9	30.5	6.9	8.0	2.3	0.0	1.5
10	10.0	1.9	0.0	1.1	0.0	1.9	0.0	1.2	9.5	2.1	5.0	2.7	5.5	6.7	2.5	4.3	38.5	23.6	0.0	4.5	0.0	1.7	0.0	1.5
11	2.0	2.1	0.0	1.1	0.0	1.8	0.0	1.2	1.5	2.0	9.5	2.0	29.5	8.3	18.0	4.8	3.0	12.3	0.0	3.7	3.5	1.6	15.0	2.2
12	0.0	1.8	0.0	1.1	0.0	1.7	0.5	1.2	0.0	1.7	0.0	1.6	4.0	10.2	0.0	4.9	0.5	7.5	0.0	3.3	2.5	1.8	1.0	1.8
13	0.0	1.7	0.0	1.1	0.0	1.5	0.0	1.1	0.0	1.6	0.0	1.3	5.0	9.3	0.0	3.8	0.0	n/a	0.0	3.0	0.0	1.6	0.0	1.6
14	0.0	1.5	0.0	1.1	0.0	1.5	0.0	1.1	0.0	1.5	43.0	3.4	3.5	7.5	6.0	3.6	75.0	n/a	0.0	2.8	55.0	7.8	2.5	1.6
15	13.0	2.2	0.0	1.0	0.0	1.5	0.0	1.1	7.0	2.0	9.5	6.2	6.0	6.6	15.5	4.5	16.5	n/a	0.0	2.6	0.0	4.8	1.0	1.6
16	12.0	2.4	0.0	1.0	16.5	2.6	0.0	1.1	0.0	1.7	2.0	3.4	0.0	5.7	10.0	4.6	0.0	n/a	0.0	2.4	0.0	3.4	0.0	1.5
17	0.5	2.5	22.5	1.2	0.0	1.9	0.0	1.0	0.0	1.7	0.0	2.5	0.0	5.0	5.5	5.0	0.0	n/a	0.0	2.4	0.0	2.8	2.5	1.6
18	0.0	2.1	14.0	3.5	0.0	1.7	0.0	1.0	12.0	1.8	0.0	2.0	10.5	5.3	38.0	8.1	0.0	n/a	0.0	2.3	0.0	2.5	3.5	1.6
19	0.0	1.9	0.0	1.8	0.0	1.7	0.0	1.0	0.5	2.0	2.0	2.0	0.0	4.8	12.5	9.4	3.0	n/a	0.0	2.2	4.5	2.6	0.5	1.4
20	0.0	1.8	0.0	1.5	0.0	1.6	0.0	1.0	0.0	1.3	48.0	7.5	0.0	4.2	0.0	7.4	0.0	n/a	0.0	2.1	1.0	2.2	0.0	1.4
21	0.0	1.7	0.0	1.4	0.0	1.5	0.0	1.0	0.0	1.2	0.0	4.7	3.0	4.1	1.0	6.0	0.0	4.7	1.5	1.9	4.0	2.3	11.0	2.0
22	0.0	1.6	68.0	11.2	0.0	1.4	0.0	1.0	0.0	1.2	0.0	3.4	0.0	3.9	7.0	5.6	0.0	4.5	0.0	1.9	10.5	2.9	4.0	1.9
23	0.0	1.5	5.5	6.2	0.0	1.4	19.5	2.0	26.0	2.8	24.5	4.2	0.0	3.5	14.0	5.7	16.0	5.3	0.0	1.9	0.0	2.3	0.0	1.7
24	3.0	1.6	0.0	4.7	0.0	1.4	0.0	1.3	0.0	1.8	35.5	11.2	0.0	3.2	0.0	4.8	13.0	5.6	0.0	1.8	2.5	2.3	0.0	1.6
25	0.5	1.5	1.0	3.7	15.0	2.3	5.5	1.5	0.0	1.6	0.0	6.3	9.0	3.7	0.0	4.2	0.5	4.6	0.0	1.7	0.0	2.1	2.0	1.6
26	0.5	1.5	0.0	3.3	0.0	1.7	0.0	1.4	0.0	1.4	17.5	6.0	17.0	4.2	0.0	3.8	0.0	4.1	0.0	1.7	0.0	2.0	2.5	1.6
27	0.0	1.4	0.0	2.9	0.0	1.6	0.0	1.1	0.0	1.2	0.0	6.0	2.5	3.8	0.0	3.4	0.0	3.3	0.0	1.6	2.0	2.0	7.0	1.7
28	2.5	1.4	10.5	3.3	1.0	1.5	0.0	1.0	0.0	1.1	0.0	4.6	0.5	3.4	0.0	3.1	0.0	3.1	0.0	1.5	0.5	2.0	0.0	1.6
29	0.5	1.4			18.5	2.7	46.5	3.3	0.0	1.0	4.5	4.1	0.5	3.0	0.0	2.8	0.0	3.0	0.0	1.4	0.0	1.8	0.0	1.5
30	1.0	1.4			0.0	2.1	2.0	3.4	3.0	1.0	85.0	20.1	0.0	2.7	0.0	2.7	3.5	3.0	17.0	1.8	0.0	1.8	0.0	1.4
31	2.5	1.4			0.0	1.9			5.0	1.4			41.5	8.6	0.0	2.5			23.5	4.3			0.0	1.4
total	72.5	51.6	124.5	63.3	56.0	61.8	76.0	42.5	103.5	59.8	325.0	114.6	255.0	266.8	192.5	148.5	296.5	n/a	139.0	92.1	108.0	69.9	66.5	51.8

HIGASHIYAMA

1994

unit: mm/day

n/a : data not available

annual precipitation: 1088.0

annual runoff: n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	8.0	1.8	11.5	1.2	0.0	1.1	0.0	1.0	0.0	1.0	0.0	0.9	0.0	1.0	0.0	0.5	0.0	0.2	0.0	13.0	0.0	1.2	0.0	0.7
2	0.0	1.4	5.5	3.2	0.0	1.0	17.0	1.8	0.0	0.9	0.0	0.8	0.5	0.9	0.0	0.4	0.0	0.2	0.0	5.3	0.0	1.1	0.0	0.7
3	0.0	1.3	0.0	1.7	0.0	1.0	0.0	1.6	0.0	0.9	0.0	0.8	0.0	0.9	0.0	0.4	0.0	0.2	0.0	3.6	17.5	1.2	0.0	0.6
4	0.0	1.2	0.5	1.5	0.0	1.0	0.0	1.0	0.0	0.9	0.0	0.7	0.0	0.8	0.0	0.3	0.0	0.2	15.0	3.5	0.0	1.9	0.0	0.6
5	0.0	1.2	1.0	1.4	0.0	1.1	0.0	0.8	6.0	1.0	0.0	0.7	0.0	0.8	0.0	0.3	0.0	0.2	0.5	3.0	0.0	1.2	0.0	0.6
6	0.0	1.2	2.0	1.3	0.0	1.1	0.0	0.6	1.0	1.0	0.0	0.7	0.0	0.8	0.0	0.3	0.0	0.2	0.0	2.2	0.0	1.1	1.5	0.7
7	0.0	1.2	1.0	1.3	0.0	1.0	0.0	0.5	0.0	n/a	0.0	0.7	0.0	0.8	0.0	0.3	3.5	0.2	0.0	1.9	3.5	1.2	0.0	0.6
8	0.0	1.2	0.0	1.3	6.5	1.1	12.5	1.6	0.0	n/a	0.0	0.7	7.5	1.1	0.0	0.3	1.5	0.2	0.0	1.7	0.0	1.0	0.5	0.6
9	0.0	1.2	4.0	1.4	28.0	3.5	0.0	0.7	0.0	n/a	18.0	1.0	12.5	0.8	0.0	0.3	0.0	0.2	0.0	1.7	0.0	0.9	4.0	0.6
10	0.0	1.2	1.0	1.3	0.0	2.0	0.0	0.7	0.0	n/a	5.5	1.5	0.0	1.2	1.5	0.3	0.5	0.1	0.0	1.5	0.0	0.8	10.0	1.1
11	0.0	1.2	0.0	1.2	0.0	1.7	0.0	0.7	0.0	0.5	0.0	0.9	0.0	0.6	0.0	0.3	0.0	0.1	0.5	1.5	0.0	0.8	0.0	0.7
12	0.0	1.2	0.0	1.2	0.0	1.5	0.0	0.7	50.5	4.2	0.0	0.8	0.0	0.5	0.0	0.3	0.0	0.2	0.0	1.4	0.0	0.8	0.5	0.7
13	0.0	1.2	0.0	1.9	4.0	1.7	46.5	4.8	0.0	3.0	6.5	0.9	0.0	0.6	0.0	0.2	3.0	0.1	6.5	1.7	0.0	0.8	0.0	0.7
14	0.5	1.2	2.5	1.4	0.0	1.5	0.0	2.7	0.0	1.8	16.0	1.3	0.0	0.6	0.0	0.2	0.0	0.2	0.0	1.4	0.0	0.8	0.5	0.6
15	0.0	1.1	3.0	1.3	0.0	1.4	0.0	1.9	0.5	1.5	0.0	1.4	0.0	0.5	0.0	0.2	0.0	0.1	0.0	1.2	0.0	0.8	0.0	0.6
16	0.0	1.1	1.5	1.3	0.0	1.3	0.0	1.5	6.0	1.3	0.0	0.9	0.0	0.5	0.0	0.2	6.0	0.1	0.0	1.2	0.0	0.8	0.0	0.6
17	0.0	1.1	3.5	1.3	0.0	1.3	0.0	1.5	0.0	1.2	0.0	0.8	0.0	0.5	0.0	0.2	76.5	2.7	1.0	1.2	0.0	0.8	0.0	0.6
18	20.0	2.2	2.0	1.2	0.0	1.2	0.0	1.4	2.0	1.3	0.0	0.7	15.5	1.0	0.0	0.2	78.0	14.6	0.0	1.1	0.5	0.8	0.0	0.6
19	0.0	1.5	1.5	1.3	0.0	1.2	17.0	2.2	0.0	1.4	19.0	1.1	32.0	0.7	0.0	0.2	0.0	4.4	0.0	1.0	16.5	1.2	0.0	0.6
20	0.5	1.3	1.5	1.3	0.0	1.2	0.0	1.5	0.0	1.3	5.5	1.7	3.0	2.2	5.5	0.7	9.0	3.0	0.0	0.9	0.0	1.1	0.0	0.5
21	0.0	1.2	6.0	1.4	0.0	1.2	0.0	1.0	0.0	1.2	38.0	5.4	0.0	0.9	41.5	2.9	0.0	1.8	0.0	0.9	0.0	0.9	0.0	0.5
22	0.0	1.1	1.5	1.7	0.0	1.1	0.0	0.9	0.0	1.2	0.0	2.1	0.0	0.7	1.5	0.6	0.0	1.3	30.5	2.5	0.0	0.8	0.0	0.5
23	0.0	1.1	0.0	1.5	0.0	1.2	0.0	0.9	0.0	1.1	0.0	1.5	0.0	0.6	6.0	0.5	2.0	1.2	0.0	1.6	0.0	0.7	0.0	0.5
24	0.0	1.1	2.0	1.5	13.0	2.2	5.0	1.1	0.0	1.0	2.5	1.4	0.0	0.6	0.5	0.4	0.0	1.0	0.0	1.2	0.0	0.7	0.0	0.5
25	0.0	1.1	0.0	1.5	0.0	1.6	0.5	1.0	0.0	0.9	0.5	1.2	0.0	0.5	0.0	0.4	26.0	2.1	0.0	1.1	0.0	0.7	0.0	0.5
26	0.0	1.1	0.0	1.4	0.5	1.1	0.0	0.9	0.0	0.9	0.0	1.1	0.0	0.5	1.0	0.4	0.0	1.7	0.0	1.0	0.0	0.7	0.0	0.5
27	0.0	1.1	0.0	1.3	0.0	1.1	0.0	0.8	28.0	2.1	0.0	1.0	0.0	0.5	0.0	0.4	0.0	1.2	9.0	1.1	0.0	0.7	5.5	0.6
28	0.0	1.0	0.0	1.2	0.0	1.1	18.5	1.0	0.5	1.7	2.0	1.0	0.0	0.4	0.0	0.4	8.5	1.5	0.0	1.2	0.0	0.7	0.5	0.6
29	4.0	1.2			0.0	1.1	2.0	1.9	0.0	1.2	0.0	1.0	0.0	0.4	0.0	0.4	0.5	1.2	21.0	1.9	0.0	0.7	0.0	0.5
30	0.0	1.3			0.0	1.1	0.0	1.1	0.0	1.1	0.0	1.0	2.5	0.4	0.0	0.4	133.5	35.4	0.0	1.8	0.0	0.7	0.0	0.5
31	0.0	1.1			0.0	1.1			0.0	1.0			0.0	0.5	0.0	0.3			0.0	1.4			0.0	0.5
total	33.0	38.4	51.5	40.5	52.0	41.8	119.0	39.8	94.5	n/a	113.5	35.7	73.5	22.8	57.5	13.2	348.5	75.8	84.0	65.7	38.0	27.6	23.0	18.7

HIGASHIYAMA

1995

unit: mm/day

n/a : data not available

annual precipitation: 1673.0

annual runoff: n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	1.0	0.5	0.0	0.7	6.5	n/a	0.0	n/a	12.0	n/a	0.0	n/a	22.5	1.9	0.0	3.2	31.0	4.9	0.0	1.3	0.0	1.0	0.0	1.0
2	0.0	0.5	0.0	0.7	11.0	n/a	0.0	n/a	24.5	n/a	0.0	n/a	0.5	2.1	0.0	2.9	0.0	2.0	46.0	4.5	0.0	0.9	0.0	1.0
3	0.0	0.5	0.0	0.7	0.0	n/a	0.0	n/a	0.0	n/a	0.0	n/a	13.0	2.2	0.0	2.7	3.5	1.4	8.0	5.1	0.0	0.9	0.0	0.9
4	25.0	0.7	0.0	0.6	0.0	n/a	0.0	n/a	1.0	n/a	20.5	n/a	79.0	15.9	0.0	2.4	5.5	1.8	0.0	3.2	0.0	0.9	0.0	0.9
5	10.0	2.3	0.0	0.6	0.0	n/a	0.0	n/a	23.0	n/a	2.5	n/a	61.5	22.4	0.0	2.2	0.0	1.2	0.0	2.5	0.0	0.8	0.0	0.8
6	0.0	1.0	0.0	0.7	0.0	n/a	0.0	n/a	0.0	n/a	0.0	n/a	54.5	21.5	0.0	2.0	0.0	1.0	9.5	3.0	0.0	0.8	0.0	0.8
7	0.0	0.9	2.5	0.7	0.5	n/a	44.0	n/a	0.0	n/a	0.0	n/a	7.5	25.7	0.0	1.9	0.0	1.0	0.5	2.3	0.0	0.8	0.0	0.8
8	0.0	0.8	2.5	0.7	0.0	n/a	0.0	n/a	0.0	n/a	0.0	n/a	0.5	12.6	0.0	1.8	0.0	0.9	0.0	2.0	44.5	4.1	0.0	0.8
9	0.0	0.8	4.0	0.7	0.0	n/a	0.0	n/a	0.0	n/a	8.0	n/a	13.0	10.4	0.0	1.7	0.0	0.9	5.0	2.4	0.5	3.0	0.0	0.8
10	0.0	0.7	0.0	0.7	10.5	n/a	26.0	n/a	0.0	n/a	2.0	n/a	0.0	7.9	0.0	1.5	0.0	0.9	0.0	2.3	0.0	2.4	0.0	0.8
11	0.0	0.6	0.0	0.7	9.5	n/a	0.0	n/a	0.0	n/a	0.0	n/a	0.0	6.3	0.0	1.6	0.0	0.9	0.0	2.1	0.0	2.1	0.0	0.8
12	0.0	0.6	0.0	0.6	0.0	n/a	18.0	n/a	3.0	n/a	1.0	n/a	0.0	5.6	0.0	1.5	0.0	0.8	0.0	2.0	0.0	2.0	0.0	0.8
13	0.0	0.6	11.5	0.8	4.0	n/a	0.5	n/a	16.0	n/a	7.0	n/a	2.0	5.3	0.0	1.3	0.0	0.7	0.0	1.8	0.0	1.9	0.0	0.8
14	0.5	0.6	0.0	0.9	0.0	n/a	1.0	n/a	1.0	n/a	6.5	n/a	10.5	4.7	0.0	1.3	0.5	0.7	0.0	1.7	0.0	1.8	0.0	0.8
15	0.5	0.6	0.0	0.8	0.0	n/a	24.5	n/a	34.0	n/a	28.5	n/a	14.5	6.5	0.0	1.2	18.0	1.4	0.0	1.4	9.5	2.2	0.0	0.8
16	0.0	0.6	0.0	0.8	0.0	n/a	0.0	n/a	26.0	n/a	1.0	n/a	0.5	4.6	0.0	1.1	4.5	1.1	0.0	1.3	0.0	1.8	0.0	0.8
17	0.0	0.6	0.0	0.7	18.0	n/a	13.5	n/a	21.0	n/a	0.0	n/a	14.5	4.2	0.0	1.0	75.5	8.2	0.0	1.2	0.0	1.2	0.0	0.8
18	0.0	0.6	0.0	0.7	25.5	n/a	0.0	n/a	0.0	n/a	0.0	n/a	1.0	5.3	0.0	0.9	1.5	6.5	0.0	1.0	0.0	1.1	0.0	0.7
19	0.5	0.6	0.0	0.7	0.0	n/a	21.5	n/a	0.0	n/a	0.5	n/a	1.5	4.0	0.0	0.9	0.0	2.6	0.0	1.0	0.0	1.1	0.0	0.7
20	0.0	0.6	0.0	0.7	0.0	n/a	0.5	n/a	0.0	n/a	13.0	n/a	4.5	3.7	0.0	0.8	0.0	1.6	0.0	1.0	1.5	1.0	0.0	0.7
21	0.0	0.6	0.0	0.7	0.0	n/a	0.0	n/a	0.0	n/a	0.0	2.1	49.5	5.4	0.0	0.7	0.0	1.4	0.0	0.9	17.5	2.1	0.0	0.7
22	2.5	0.6	0.0	n/a	0.0	n/a	17.5	n/a	19.5	n/a	0.0	1.8	46.0	16.7	43.0	3.1	0.0	1.3	0.0	0.9	0.0	1.4	0.0	0.7
23	33.5	2.7	0.0	n/a	0.0	n/a	21.5	n/a	0.5	n/a	0.0	1.7	15.5	17.8	0.0	1.3	0.0	1.3	0.0	0.8	0.0	1.3	0.0	0.7
24	0.0	1.5	0.0	n/a	0.0	n/a	19.0	n/a	0.0	n/a	0.0	1.7	0.0	10.1	0.0	1.1	0.0	1.2	0.0	0.8	1.5	1.3	0.0	0.7
25	0.0	1.3	0.0	n/a	5.5	n/a	2.0	n/a	0.0	n/a	0.0	1.6	0.0	7.6	0.0	1.0	36.0	5.2	41.5	3.1	0.0	1.2	0.0	0.7
26	0.0	1.1	0.0	n/a	22.0	n/a	3.0	n/a	10.0	n/a	2.5	1.5	0.0	6.1	0.0	0.9	0.0	2.8	0.0	1.9	0.0	1.2	0.0	0.7
27	0.0	0.9	4.0	n/a	7.5	n/a	0.0	n/a	0.0	n/a	3.5	1.8	0.0	5.2	0.0	0.8	3.5	2.5	0.0	1.4	0.0	1.2	0.0	0.6
28	0.0	0.9	0.0	n/a	0.5	n/a	0.0	n/a	0.0	n/a	0.0	1.5	0.0	4.6	0.0	0.8	0.5	2.1	0.0	1.1	0.0	1.1	0.0	0.6
29	0.0	0.8			0.5	n/a	4.5	n/a	20.5	n/a	0.0	1.4	0.0	4.2	0.0	0.7	0.0	1.4	0.0	1.1	0.0	1.1	2.0	0.7
30	0.0	0.8			14.0	n/a	18.0	n/a	3.0	n/a	0.0	1.4	0.0	3.8	0.0	0.6	0.0	1.4	7.0	1.2	0.0	1.1	0.0	0.7
31	0.0	0.8			25.0	n/a			0.0	n/a			0.0	3.5	38.5	2.7			0.0	1.2			0.0	0.6
total	73.5	26.7	24.5	14.9	160.5	n/a	235.0	n/a	215.0	n/a	96.5	n/a	412.0	257.8	81.5	47.6	180.0	61.1	117.5	57.5	75.0	44.8	2.0	23.7

HIGASHIYAMA

1996

unit: mm/day

annual precipitation: 1378.0

annual runoff: 681.2

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.6	1.0	0.6	30.5	1.8	0.0	5.8	0.0	1.4	0.0	1.1	5.5	2.3	0.0	1.5	0.5	1.9	23.0	3.4	17.0	1.3	0.5	2.2
2	0.0	0.6	0.5	0.6	1.5	3.6	0.0	4.4	2.5	1.4	0.0	1.1	0.0	1.9	0.0	1.4	0.0	1.6	0.5	2.1	5.0	1.7	0.0	2.3
3	0.0	0.6	0.0	0.6	0.0	1.9	0.0	3.6	0.0	1.4	0.0	1.1	0.0	1.7	0.0	1.3	0.0	1.3	0.0	1.6	0.0	1.4	3.5	2.6
4	0.0	0.6	0.0	0.6	0.0	1.5	0.0	3.2	0.0	1.3	0.0	1.0	0.0	1.5	0.0	1.3	0.0	1.2	12.5	2.0	0.0	1.2	2.5	2.4
5	0.0	0.6	2.5	0.6	0.0	1.4	0.0	2.9	35.5	2.9	0.0	1.0	0.0	1.4	0.0	1.2	0.0	1.1	0.0	1.6	0.0	1.1	22.0	3.3
6	0.0	0.6	0.0	0.6	3.5	1.3	0.0	2.6	0.5	3.1	0.0	0.9	16.0	2.3	0.0	1.1	0.0	1.0	0.0	1.4	2.5	1.1	21.0	6.9
7	0.0	0.6	0.0	0.6	0.0	1.1	1.0	2.5	0.0	2.1	0.0	0.9	0.0	1.6	0.0	1.2	0.0	1.0	0.0	1.3	0.0	1.0	0.5	3.2
8	0.0	0.6	0.0	0.6	13.0	2.0	0.0	2.3	0.0	1.8	0.0	0.8	55.5	5.9	3.0	1.3	0.0	1.0	0.0	1.2	10.0	1.3	0.0	2.5
9	4.5	0.7	0.0	0.6	12.0	2.8	0.0	2.1	53.0	4.8	1.0	0.9	52.5	19.2	0.0	1.4	3.5	0.9	23.5	2.6	3.5	1.5	0.0	2.2
10	0.0	0.7	0.0	0.6	0.0	2.0	0.0	2.0	1.5	8.0	7.5	1.1	1.0	8.3	0.0	1.1	26.5	2.2	0.0	1.8	0.5	1.2	0.0	2.0
11	0.5	0.7	0.0	0.5	0.0	1.7	0.0	1.9	0.0	4.1	25.0	2.0	0.0	5.7	0.0	1.0	3.0	1.6	0.0	1.5	0.0	1.1	3.0	2.0
12	7.5	0.8	0.0	0.5	0.0	1.6	0.0	1.8	0.0	3.2	0.0	1.8	0.0	4.3	0.0	1.0	0.5	1.2	0.5	1.5	26.0	2.0	0.0	1.8
13	1.0	0.7	0.0	0.5	0.0	1.5	0.0	1.7	0.0	2.9	0.0	1.3	0.0	3.5	0.0	1.0	0.0	1.1	16.5	2.1	0.0	1.9	0.0	1.7
14	0.5	0.7	0.0	0.6	0.0	1.5	0.0	1.7	0.0	2.7	0.0	1.1	0.0	3.0	9.5	1.1	12.5	1.4	3.5	1.8	0.0	1.4	0.0	1.6
15	4.0	1.2	0.0	0.6	2.0	1.5	0.0	1.6	0.0	2.5	0.0	1.0	0.0	2.6	39.5	3.6	0.0	1.3	39.0	6.7	0.0	1.2	0.5	1.5
16	12.0	1.6	0.0	0.5	17.0	2.4	2.5	1.6	0.0	2.3	0.0	1.0	0.0	2.4	0.0	2.2	1.0	1.1	0.0	3.7	0.0	1.2	0.0	1.5
17	0.0	1.3	0.0	0.5	27.5	2.5	25.0	3.8	0.0	2.1	0.0	0.9	0.0	2.2	0.0	1.4	0.0	1.1	0.0	2.7	0.0	1.1	0.0	1.5
18	0.0	1.0	0.0	0.6	16.5	8.0	18.5	3.1	0.0	2.0	10.0	0.8	0.0	2.1	0.0	1.2	0.5	1.0	0.0	2.3	4.0	1.1	23.5	2.7
19	0.0	0.9	7.5	0.7	0.0	4.0	0.0	3.0	0.0	2.0	13.5	1.9	0.0	1.9	0.0	1.1	0.0	0.9	0.0	2.0	0.0	1.1	0.5	2.2
20	0.0	0.8	5.0	0.6	0.0	3.0	2.0	2.4	0.0	1.9	0.0	1.2	29.0	2.6	0.0	1.0	0.0	0.9	0.0	1.8	0.0	1.0	1.5	1.9
21	0.0	0.8	2.5	0.5	0.0	2.4	0.5	2.2	0.0	1.8	13.0	1.4	7.0	3.4	0.0	1.0	11.5	1.4	0.0	1.6	0.0	1.0	0.5	1.7
22	0.0	0.7	1.0	0.5	18.0	2.7	0.0	2.0	24.5	2.6	5.0	1.6	0.0	2.3	0.0	0.9	5.0	1.1	0.0	1.5	0.0	1.0	0.0	1.7
23	0.5	0.7	0.0	0.5	7.5	4.3	0.0	1.9	0.0	3.1	0.5	1.4	21.0	2.6	0.0	0.9	11.0	1.8	0.0	1.4	0.0	1.0	3.5	1.6
24	0.0	0.7	0.0	0.6	0.0	2.9	0.0	1.8	0.0	2.2	0.0	1.2	29.5	7.2	0.0	0.8	0.0	1.2	0.0	1.4	0.0	0.9	0.0	1.6
25	0.0	0.7	0.0	0.6	16.5	3.3	0.0	1.7	0.0	1.8	47.5	4.8	0.0	3.6	0.0	0.8	0.0	1.1	0.0	1.3	0.0	0.9	0.0	1.5
26	0.0	0.6	20.0	1.6	1.0	3.7	0.0	1.6	0.0	1.7	23.5	4.5	0.0	2.8	0.0	0.7	5.5	1.1	0.0	1.2	0.0	0.9	0.0	1.5
27	0.0	0.6	2.5	1.4	0.0	3.0	0.0	1.6	0.0	1.6	1.5	5.1	0.0	2.4	11.0	0.8	0.5	1.1	0.0	1.2	12.5	0.9	0.0	1.4
28	0.0	0.6	0.0	1.2	0.0	2.7	0.0	1.5	0.0	1.6	4.5	3.5	0.0	2.1	31.5	2.1	0.0	0.9	0.0	1.1	21.0	3.1	0.0	1.4
29	0.0	0.6	0.0	1.0	0.0	2.4	0.0	1.5	0.0	1.5	0.0	2.9	0.0	1.9	33.0	5.2	0.0	0.9	2.5	1.2	0.0	2.2	0.0	1.3
30	0.0	0.6			5.5	2.4	0.0	1.4	0.0	1.4	0.5	2.3	0.0	1.8	9.0	3.3	19.5	0.9	0.5	1.1	4.0	2.4	0.0	1.3
31	0.0	0.6			47.5	10.2			0.0	1.3			0.0	1.6	0.0	2.3			0.0	1.0			0.0	1.3
total	30.5	23.1	42.5	19.5	219.5	87.1	49.5	71.2	117.5	74.5	153.0	51.6	217.0	108.1	136.5	46.2	101.0	36.3	122.0	59.1	106.0	40.2	83.0	64.3

HIGASHIYAMA

1997

unit: mm/day

n/a : data not available

annual precipitation: 1903.2

annual runoff: n/a

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	1.2	0.5	0.8	0.5	0.8	0.0	1.6	6.0	2.0	0.0	1.9	0.0	2.6	1.0	8.4	0.0	1.7	0.0	3.1	0.0	1.0	0.0	12.9
2	0.0	1.2	0.0	0.8	4.0	0.9	0.0	1.4	0.0	1.7	0.0	1.7	2.5	2.7	0.0	6.7	0.0	1.7	3.0	3.0	0.0	1.0	1.6	7.9
3	0.0	1.2	0.0	0.9	0.0	0.8	11.0	1.6	0.0	1.6	0.0	1.7	5.0	3.5	0.0	5.6	0.0	1.6	0.0	2.9	0.0	1.0	0.0	5.8
4	0.0	1.2	7.0	1.1	0.0	0.8	7.5	1.9	25.5	2.5	1.0	1.7	0.0	3.1	0.0	4.9	0.0	1.6	0.0	2.7	0.0	0.9	0.0	4.7
5	0.0	1.1	0.0	0.9	0.0	0.7	7.0	1.9	1.5	2.6	1.5	1.7	0.0	3.0	1.5	4.4	0.0	1.5	5.5	2.9	0.0	0.9	0.0	4.1
6	16.0	1.9	0.0	0.9	0.0	0.7	52.5	8.0	0.0	2.1	19.5	1.7	0.0	3.0	74.5	15.1	0.0	2.7	0.0	2.5	0.0	0.9	0.0	3.6
7	0.5	1.6	0.0	0.9	2.0	0.7	36.5	11.3	0.0	1.9	1.0	2.6	0.0	2.9	4.5	8.6	18.0	2.3	0.0	2.3	0.0	0.9	0.6	3.4
8	0.0	1.3	0.0	n/a	0.0	0.7	14.5	10.7	16.0	2.2	0.0	1.8	1.5	3.6	2.0	7.2	12.5	1.9	0.0	2.3	6.5	0.8	19.5	4.0
9	0.0	1.3	0.0	n/a	0.0	0.7	0.0	6.6	43.0	8.3	1.0	1.7	1.5	3.7	0.0	6.1	40.0	4.0	0.0	2.1	0.0	0.8	9.4	4.9
10	0.0	1.2	0.0	n/a	0.0	0.7	0.0	5.3	0.0	5.4	17.5	2.5	27.0	4.1	0.0	5.5	0.0	4.8	0.0	2.0	0.0	0.8	0.0	3.7
11	0.0	1.2	0.0	n/a	3.5	0.7	0.0	4.3	0.0	3.7	1.0	2.1	110.0	19.3	1.5	5.0	0.0	2.3	0.0	2.0	0.0	0.8	0.0	3.3
12	0.0	1.1	1.5	n/a	0.5	0.7	0.0	3.6	0.0	3.0	0.5	1.9	28.0	22.4	0.0	4.4	0.0	1.8	0.5	1.9	0.0	0.8	0.0	3.1
13	0.0	1.1	2.5	n/a	0.0	0.7	0.0	3.1	0.0	2.6	0.0	1.6	41.0	28.7	0.0	4.0	0.0	1.6	0.0	1.8	0.0	0.8	0.0	2.9
14	0.0	1.1	0.0	n/a	0.0	0.6	0.0	2.8	26.0	3.1	0.0	1.4	17.0	20.0	0.0	3.7	32.0	3.7	0.0	1.7	0.0	1.0	0.0	2.7
15	0.0	1.1	0.0	0.8	23.0	1.2	0.0	2.6	23.0	6.3	0.0	1.3	0.0	13.9	44.5	7.3	162.0	37.8	0.0	1.7	12.5	1.3	0.0	2.6
16	0.0	1.1	21.0	1.2	15.0	2.1	0.0	2.4	11.0	6.0	2.5	1.3	3.5	10.8	3.5	5.5	17.0	34.2	0.0	1.6	0.0	1.1	0.0	2.5
17	0.0	1.1	0.0	1.6	0.0	1.7	0.0	2.2	0.0	4.8	1.0	1.3	8.5	7.8	0.0	4.5	15.0	13.2	0.0	1.5	11.5	1.0	0.0	2.4
18	0.0	1.1	0.0	1.1	0.0	1.3	0.0	2.1	0.0	3.9	0.0	1.2	4.0	7.9	0.0	4.0	13.5	n/a	0.0	1.5	27.5	4.3	23.5	3.5
19	0.0	1.0	0.0	1.0	0.0	1.2	4.5	2.2	0.0	3.3	2.5	1.3	0.0	5.8	0.0	3.6	7.0	n/a	0.0	1.4	0.0	1.7	0.0	3.0
20	0.0	1.0	0.0	0.9	0.0	1.1	0.0	2.0	2.5	3.1	22.0	1.6	0.0	5.1	0.0	3.3	0.0	n/a	0.0	1.4	0.5	1.4	0.0	2.7
21	0.0	1.0	0.0	0.9	0.0	1.0	0.0	1.8	8.0	3.4	34.5	6.4	0.0	4.6	0.0	3.0	0.0	n/a	0.0	1.3	0.0	1.2	0.0	2.5
22	0.0	1.0	0.0	0.8	17.0	1.4	1.5	1.8	0.0	2.9	2.5	2.8	0.0	4.2	0.0	2.8	0.0	n/a	0.0	1.2	18.0	1.5	0.0	2.4
23	0.0	0.9	0.0	0.8	0.0	1.5	0.0	1.8	0.0	2.6	12.5	2.6	1.5	n/a	0.0	2.7	18.5	n/a	0.0	1.2	15.0	3.1	0.0	2.2
24	0.5	1.0	0.0	0.8	0.5	1.2	0.0	1.6	0.0	2.4	2.0	3.0	0.0	n/a	0.0	2.5	2.0	n/a	0.0	1.2	0.0	2.1	0.0	2.2
25	4.5	1.1	0.0	0.8	0.0	1.1	0.0	1.5	18.5	3.5	0.0	2.2	0.0	n/a	0.0	2.3	0.0	n/a	11.0	1.7	0.0	1.9	0.0	2.1
26	0.5	1.0	3.0	0.9	0.0	1.0	0.0	1.5	0.0	2.7	0.0	2.0	1.0	3.0	0.0	2.2	5.0	n/a	0.5	1.4	14.5	2.0	0.0	2.0
27	0.5	1.0	0.0	0.8	9.5	1.1	0.0	1.5	3.5	2.6	0.0	1.8	7.5	3.1	0.0	2.1	3.0	4.5	0.0	1.2	71.0	19.9	5.0	2.1
28	0.0	0.9	0.0	0.8	0.0	1.3	0.0	1.4	0.0	2.3	6.5	1.7	12.0	3.4	0.0	2.0	0.0	4.0	0.5	1.2	0.0	6.2	0.0	2.0
29	0.0	0.9			0.0	1.0	27.5	2.9	0.0	2.1	27.0	4.0	82.5	14.9	0.0	1.9	0.0	3.6	0.0	1.2	10.0	4.9	0.0	2.0
30	0.0	0.9			27.5	2.5	0.0	2.0	0.0	2.0	0.0	3.2	26.0	14.5	0.0	1.8	0.0	3.3	0.0	1.1	81.4	22.3	10.5	2.1
31	1.0	0.9			0.0	2.1			1.0	1.9			11.5	10.4	0.0	1.7			0.0	1.1			7.7	3.0
total	23.5	34.7	35.5	n/a	103.0	34.0	162.5	95.4	185.5	98.5	156.0	63.7	391.5	n/a	133.0	142.8	345.5	n/a	21.0	56.1	268.4	88.3	77.8	108.3



HIGASHIYAMA

1998

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

1697.5

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	2.3	0.0	2.3	3.0	2.5	0.0	2.9	0.0	3.9	0.0	6.6	0.0	5.2	0.0	5.8	0.0	6.4	47.5	17.5	0.0	4.1	1.5	1.4
2	6.8	2.5	0.0	2.3	0.0	2.3	38.5	5.8	3.5	3.8	0.0	5.5	0.5	4.9	0.0	4.8	5.0	4.2	26.5	25.3	0.0	3.6	0.0	1.4
3	0.0	2.1	0.0	2.2	0.0	2.2	0.0	6.1	30.5	5.5	30.5	6.3	0.0	4.4	0.0	4.1	2.5	3.6	0.0	13.8	0.0	3.3	0.0	1.3
4	12.5	2.1	0.0	2.1	0.0	2.1	0.0	4.2	18.0	9.7	2.0	6.7	0.0	4.0	0.0	3.6	0.0	2.9	0.0	10.6	0.0	3.1	3.0	1.4
5	0.5	2.6	0.0	2.0	0.0	2.0	n/a	3.6	0.0	6.0	0.0	5.3	2.5	3.8	0.0	3.1	0.0	2.6	0.0	9.0	0.0	2.9	13.5	1.4
6	0.0	2.2	0.0	2.0	21.5	3.5	n/a	3.2	0.5	5.1	0.0	4.8	0.0	3.6	0.0	2.8	0.0	2.4	0.0	7.5	0.0	2.8	10.5	2.9
7	0.0	2.0	0.0	1.9	0.0	2.8	n/a	5.1	0.0	4.7	0.5	4.3	0.0	3.2	15.5	2.7	4.5	2.5	0.0	6.6	0.0	2.8	0.5	1.7
8	0.0	2.0	2.0	2.0	0.0	2.5	n/a	5.2	2.5	4.3	0.0	4.0	0.0	2.8	4.0	3.9	4.5	2.5	19.5	8.1	0.0	2.7	9.0	1.9
9	19.0	3.0	3.5	2.0	0.0	2.4	n/a	4.4	19.0	5.4	0.0	3.7	0.0	2.6	0.0	2.7	0.0	2.1	0.0	6.5	0.0	2.6	0.0	1.7
10	0.4	2.5	2.0	2.1	0.0	2.3	n/a	6.7	0.0	4.3	13.5	4.1	2.0	2.4	0.0	2.4	0.0	1.9	0.0	5.7	0.5	2.4	0.0	1.5
11	0.0	2.3	6.5	2.1	0.0	2.2	0.0	6.3	0.0	3.8	0.0	3.8	19.0	3.7	0.0	2.2	0.0	1.8	0.0	5.2	0.0	2.3	0.0	1.4
12	7.6	2.4	2.0	1.9	16.0	2.8	0.0	5.3	58.5	10.0	0.0	3.4	3.0	3.3	0.0	2.1	0.0	1.7	0.0	4.7	0.0	2.3	0.5	1.4
13	5.4	3.0	2.0	2.0	4.0	3.1	31.0	6.3	22.5	11.1	0.0	3.1	0.0	2.7	0.0	2.0	0.0	1.6	0.0	4.2	0.0	2.1	0.0	1.3
14	0.9	2.6	0.0	2.0	0.0	2.7	28.5	11.9	0.0	9.7	18.0	3.9	0.0	2.5	1.5	1.9	0.0	1.6	6.5	4.3	0.0	2.1	0.0	1.3
15	15.0	2.9	7.5	2.1	3.5	2.6	31.0	17.2	0.0	7.4	29.0	6.2	0.0	2.5	0.0	1.9	8.0	1.7	0.5	4.1	0.0	2.0	0.5	1.2
16	20.7	7.7	0.0	2.1	0.0	2.5	0.0	15.5	0.0	6.1	0.0	4.9	5.5	2.4	11.0	2.4	92.0	11.9	31.0	5.2	0.0	1.9	0.0	1.2
17	0.0	5.4	0.0	1.9	0.0	2.4	0.0	10.9	58.0	10.9	0.0	4.0	4.0	2.6	0.5	1.9	0.0	10.2	43.5	9.0	0.0	1.8	0.0	1.2
18	7.5	4.5	0.0	1.7	0.0	2.3	0.5	8.3	5.5	11.1	0.0	3.4	2.0	2.2	0.0	1.8	1.0	5.1	40.0	24.8	0.5	1.8	0.0	1.1
19	21.5	8.7	0.0	1.7	0.0	2.2	2.5	6.8	8.0	10.0	2.5	3.1	0.0	2.0	0.0	1.6	1.0	4.1	0.0	14.4	0.0	1.7	0.0	1.1
20	0.0	6.1	4.0	1.6	19.0	2.8	0.0	5.9	0.0	7.9	61.5	14.6	0.0	2.0	22.0	2.1	0.5	3.4	0.0	10.8	0.0	1.7	0.0	1.1
21	0.0	5.0	39.5	6.1	10.0	4.5	0.0	5.3	0.0	6.5	0.0	13.7	0.0	1.9	0.5	2.8	7.0	3.0	0.0	9.0	0.0	1.6	0.0	1.1
22	0.0	4.4	0.0	4.1	0.0	3.2	0.0	4.8	0.0	5.7	61.5	18.8	0.0	1.8	0.0	1.8	60.0	10.3	17.0	10.1	0.0	1.6	0.0	1.0
23	0.0	3.9	0.0	3.1	0.0	2.8	5.0	4.5	0.0	5.0	3.5	22.3	0.0	1.7	0.0	1.6	26.5	14.6	0.0	6.5	0.0	1.6	0.0	1.0
24	0.0	3.6	0.0	2.7	0.0	2.6	34.5	7.7	0.5	4.6	8.5	17.9	4.5	1.7	0.0	1.5	46.5	15.2	6.5	6.0	0.0	1.5	0.0	1.0
25	0.0	3.3	14.0	3.2	0.0	2.4	13.0	8.1	40.5	8.4	1.5	13.2	3.5	1.9	0.0	1.3	1.5	13.0	0.0	5.5	0.0	1.5	0.0	1.0
26	0.0	3.1	1.0	3.0	0.0	2.2	0.0	7.1	0.5	6.9	0.5	9.8	0.0	1.6	16.0	1.7	12.0	12.1	0.0	4.9	0.0	1.4	0.0	1.0
27	0.0	2.9	0.5	2.7	19.0	2.6	0.0	5.7	0.5	5.6	0.5	7.4	0.0	1.4	3.0	1.8	24.5	12.9	0.0	4.6	0.0	1.4	0.0	1.0
28	0.0	2.8	0.0	2.5	13.5	5.0	0.0	5.1	0.0	4.9	0.0	6.4	116.5	14.9	8.5	2.0	30.5	20.5	6.0	4.6	3.0	1.5	0.0	0.9
29	0.0	2.7			0.0	3.5	0.0	4.6	44.5	6.8	13.0	7.2	52.0	27.7	23.0	3.8	3.5	17.8	0.0	4.2	0.0	1.4	0.0	0.9
30	0.0	2.5			0.0	3.1	0.0	4.2	22.5	11.3	0.0	5.9	10.0	11.6	20.5	4.3	0.0	14.2	0.0	3.9	0.0	1.4	0.5	0.9
31	0.0	2.4			0.0	2.9			0.0	9.1			10.5	9.1	50.5	10.8			18.5	4.9			0.0	0.9
total	117.8	105.5	84.5	67.4	109.5	85.0	n/a	198.7	335.5	215.5	246.5	224.3	235.5	138.1	176.5	89.2	331.0	207.8	263.0	261.5	4.0	64.9	39.5	39.6

HIGASHIYAMA

1999

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

1218.0

day	January		February		March		April		May		June		July		August		September		October		November		December	
	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff	rain	runoff
1	0.0	0.9	n/a	0.7	0.0	1.4	0.0	2.5	0.0	1.4	0.0	2.1	0.5	57.6	0.0	2.9	0.0	1.4	0.0	4.0	35.0	2.3	0.0	1.7
2	0.0	0.9	n/a	0.7	0.0	1.2	0.0	2.1	0.0	1.4	0.0	1.9	0.0	23.3	0.0	2.6	7.0	1.7	0.0	3.6	12.0	5.6	1.0	1.7
3	0.0	0.9	n/a	0.7	0.0	1.1	3.0	2.0	0.0	1.4	0.0	1.8	19.5	23.0	3.0	2.6	0.0	1.4	3.5	3.6	0.0	2.7	0.5	1.3
4	0.0	0.8	n/a	0.7	0.0	1.0	0.0	1.7	1.0	1.4	0.0	1.8	20.0	27.6	n/a	2.3	3.0	1.4	0.0	3.3	0.0	2.2	0.0	1.8
5	0.0	0.8	n/a	0.7	0.0	1.0	0.0	1.6	99.0	19.8	0.0	1.6	0.0	18.8	n/a	2.1	1.5	1.5	0.0	3.0	0.0	2.0	0.0	1.5
6	0.0	0.8	0.0	0.7	1.0	1.0	0.0	1.6	0.0	7.5	0.0	1.6	1.5	8.6	n/a	2.0	0.0	1.3	0.0	2.9	0.0	1.8	0.0	1.5
7	0.0	0.8	0.0	0.7	0.0	0.9	12.0	2.0	0.0	5.2	25.5	2.1	0.0	6.7	0.0	1.8	0.0	1.2	17.5	3.2	0.0	1.7	0.0	1.5
8	0.0	0.8	0.0	0.7	9.5	1.3	0.0	1.6	0.0	4.1	9.5	3.7	0.0	6.4	0.0	1.7	30.0	3.3	0.0	3.6	0.0	1.6	0.0	1.5
9	0.0	0.8	0.0	0.7	0.0	1.1	0.0	1.5	0.0	3.5	0.0	2.1	0.0	6.1	0.0	1.6	2.0	1.9	0.0	2.9	0.0	1.5	0.0	1.5
10	0.0	0.8	0.0	0.7	4.5	1.1	0.0	1.5	0.0	3.1	0.0	1.7	0.0	5.9	0.0	1.6	0.0	1.5	0.0	2.6	0.0	1.4	0.0	1.2
11	0.0	0.9	3.0	0.7	0.5	1.0	41.0	4.8	0.0	2.8	0.0	1.6	0.0	5.5	9.5	1.8	1.0	1.4	0.0	2.4	0.0	1.3	0.0	1.5
12	3.5	0.9	18.0	1.6	0.0	1.0	0.0	4.3	0.0	2.5	0.0	1.5	1.0	5.2	3.5	2.1	0.5	1.3	0.0	2.3	10.5	1.4	0.0	1.2
13	3.0	0.8	0.0	1.0	0.0	0.9	0.5	3.1	0.0	2.4	0.0	1.4	15.5	5.8	0.0	1.6	0.0	1.2	0.0	2.2	8.5	2.3	0.0	1.2
14	4.0	0.8	0.0	0.8	0.0	0.9	0.0	2.6	0.0	2.1	0.0	1.4	18.0	8.1	11.0	2.2	0.5	1.2	0.0	2.1	0.0	1.6	0.0	1.2
15	0.0	0.9	0.0	0.8	1.5	0.9	0.0	2.3	0.0	2.0	0.0	1.3	12.0	7.4	19.0	2.2	178.5	36.2	0.0	2.0	0.0	1.5	0.0	1.1
16	1.5	0.9	0.0	0.8	14.0	1.6	0.0	2.2	36.0	3.3	4.5	1.5	0.0	5.2	37.5	7.8	17.5	26.0	9.0	2.3	36.0	4.5	0.0	1.1
17	0.0	0.9	0.0	0.7	0.0	1.2	0.0	2.0	0.0	3.6	0.5	1.4	0.0	4.4	13.5	6.0	16.0	13.3	0.0	2.0	0.0	2.8	0.0	1.1
18	0.0	0.8	0.0	0.7	0.0	1.1	2.5	1.9	0.0	2.5	9.5	1.7	0.0	4.1	0.0	3.6	0.0	8.3	0.0	1.8	0.0	2.3	0.0	1.1
19	0.0	0.8	0.5	0.7	2.0	1.0	12.0	2.6	12.0	2.3	8.0	1.7	1.5	3.8	0.0	2.8	0.0	6.4	0.0	1.7	0.0	2.0	0.0	1.0
20	13.0	1.6	0.5	0.7	14.5	1.9	6.0	2.4	2.0	3.0	37.0	4.0	4.5	3.8	0.0	2.5	1.0	5.3	17.5	2.6	0.0	1.8	0.0	1.0
21	0.0	1.2	0.0	0.7	8.5	2.3	0.0	2.2	0.0	2.2	0.0	3.3	1.0	3.6	8.5	2.4	1.0	4.7	0.0	2.0	0.0	1.7	0.0	1.0
22	0.0	1.0	0.0	0.7	32.5	5.0	0.0	2.0	0.0	2.0	0.0	2.3	0.0	3.3	12.0	3.4	18.5	5.0	0.0	1.8	0.0	1.6	0.0	1.0
23	0.0	0.9	0.0	0.7	0.5	4.1	0.0	1.8	0.0	1.8	3.0	2.3	0.0	3.0	0.0	2.5	35.0	9.7	0.0	1.7	0.0	1.6	0.0	1.0
24	0.0	0.9	0.0	0.7	0.0	3.0	4.0	1.9	3.0	1.8	7.0	2.3	0.0	2.8	0.0	2.2	20.0	12.9	0.0	1.6	4.5	1.6	0.0	0.9
25	3.0	0.9	14.5	1.2	2.5	2.6	8.5	2.4	20.5	3.1	56.5	7.5	0.0	2.5	4.5	2.2	10.0	9.5	0.0	1.5	26.0	3.7	0.0	0.9
26	4.0	1.0	0.5	0.9	0.0	2.3	0.0	1.9	0.0	2.4	20.5	12.3	0.0	2.4	0.5	1.9	0.0	7.2	0.0	1.4	0.0	2.2	0.0	0.9
27	0.5	0.9	23.5	1.8	7.5	2.5	0.0	1.8	27.0	2.7	25.0	8.0	0.0	2.2	3.0	1.8	0.0	5.9	0.0	1.4	0.0	2.1	0.0	0.9
28	0.0	0.9	0.0	2.1	3.0	2.4	0.0	1.7	5.0	5.0	38.0	20.3	16.5	2.8	2.5	2.0	0.0	5.4	22.0	2.7	0.0	1.9	0.0	0.9
29	0.5	0.8			0.0	2.0	0.0	1.6	0.0	3.3	0.0	9.9	51.5	7.9	0.5	1.7	0.0	5.0	0.0	1.8	0.0	1.8	0.0	0.9
30	0.0	0.8			0.0	1.9	0.0	1.5	0.0	2.7	239.0	123.5	0.0	4.5	0.0	1.6	0.0	4.6	0.0	1.5	0.0	1.7	0.0	0.9
31	0.0	0.8			17.0	2.3			0.0	2.3			0.0	3.4	0.0	1.4			0.0	1.4			0.0	0.9
total	33.0	27.7	n/a	24.3	119.0	53.0	89.5	65.1	205.5	104.6	483.5	229.6	163.0	275.7	n/a	76.9	343.0	187.1	69.5	72.9	132.5	64.2	1.5	36.9