

HIGASHIYAMA

1980

unit: mm/day

annual precipitation: 2002.5

annual runoff: 1317.7

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	0.0	1.3	6.5	1.0	14.5	3.2	19.0	2.9	45.0	16.7	0.0	3.3	0.0	3.2	1.5	7.3	0.0	1.6	0.5	2.7	0.0	1.9
2	0.0	0.9	0.0	1.2	15.5	2.4	0.0	3.1	0.0	2.3	10.0	18.8	27.0	8.2	8.0	2.9	0.0	5.8	0.0	1.5	0.0	2.4	0.0	1.6
3	28.0	1.9	0.0	1.1	0.0	1.6	0.0	2.6	0.0	2.0	12.5	11.7	29.5	22.4	3.0	2.5	0.0	5.1	0.0	1.5	0.0	2.3	7.5	1.8
4	0.0	2.0	0.0	1.1	0.0	1.5	0.0	2.4	0.0	1.9	0.0	6.0	0.0	15.2	2.0	2.4	0.0	4.6	0.0	1.5	0.0	2.2	0.5	2.0
5	12.5	2.3	0.0	1.0	0.0	1.3	0.0	2.2	0.0	1.8	0.0	4.6	0.0	5.1	37.5	6.4	0.0	4.2	0.0	1.3	0.0	2.1	0.5	1.8
6	0.0	1.7	0.0	0.9	0.0	1.3	6.0	2.1	0.0	1.7	0.0	3.8	0.0	3.6	0.0	4.5	6.5	4.1	0.0	1.2	0.0	2.1	0.0	1.7
7	0.0	1.5	0.0	0.9	0.0	1.3	14.5	3.2	0.0	1.5	0.0	3.4	0.0	3.1	0.0	3.6	2.0	4.1	17.5	1.8	0.0	2.0	0.0	1.5
8	0.0	1.5	1.5	0.9	22.0	2.6	0.0	2.5	0.0	1.5	28.5	8.0	53.5	6.8	0.0	3.2	10.0	4.1	4.5	2.0	0.0	1.9	0.0	1.5
9	0.0	1.4	0.0	0.9	0.0	1.4	0.0	2.2	64.0	11.5	8.5	5.0	19.0	7.9	0.0	2.8	3.0	4.1	0.0	1.5	0.0	1.8	0.0	1.4
10	1.5	1.4	0.5	0.8	21.5	2.2	7.0	2.5	6.0	11.0	14.5	8.1	23.5	11.8	0.0	2.4	4.0	3.5	0.0	1.3	0.0	1.8	0.0	1.4
11	5.0	1.5	0.0	0.9	0.0	1.9	0.0	2.1	0.0	3.9	0.0	5.2	8.0	8.6	0.0	2.0	9.0	3.3	1.5	1.3	0.0	1.7	0.0	1.3
12	0.5	1.3	0.0	1.1	0.0	1.5	0.0	2.0	0.0	3.0	0.0	4.3	38.0	13.1	0.0	1.8	0.0	3.5	1.5	1.3	0.0	1.7	8.0	1.6
13	3.5	1.1	0.0	1.0	0.0	1.4	16.0	2.1	24.5	3.0	0.0	3.7	0.0	11.8	0.0	1.6	0.0	2.4	3.0	1.3	3.0	1.7	5.5	1.8
14	7.0	1.6	0.0	1.0	2.5	1.3	27.0	3.9	0.0	4.8	0.0	3.4	0.0	7.8	0.5	1.5	0.0	2.1	15.5	2.1	0.0	1.6	0.0	1.5
15	0.0	1.2	0.0	1.0	10.0	1.9	19.0	14.9	0.0	2.9	0.0	3.0	4.5	5.9	0.0	1.5	0.0	2.1	102.5	31.1	0.0	1.6	0.0	1.4
16	0.0	1.2	0.0	1.0	0.0	1.3	0.0	5.1	31.5	5.1	0.0	2.8	0.0	4.6	0.0	1.4	0.0	2.1	0.0	8.9	0.0	1.5	0.5	1.4
17	0.0	1.1	0.0	0.7	0.0	1.2	14.0	4.9	3.5	5.1	0.0	2.6	0.0	3.8	27.0	4.3	0.0	2.0	11.0	5.4	0.0	1.5	0.0	1.3
18	0.0	1.1	0.0	0.7	0.0	1.3	0.0	4.2	0.0	3.7	5.0	2.5	0.0	3.3	0.0	2.7	0.0	2.1	0.0	4.2	0.0	1.4	0.5	1.3
19	0.5	1.1	0.0	0.7	0.0	1.2	0.0	3.5	0.0	3.3	0.5	2.3	7.0	3.4	10.0	2.7	0.0	2.0	13.5	4.0	0.0	1.3	0.0	1.3
20	0.0	1.0	12.5	1.3	0.0	1.2	0.0	2.9	0.0	2.9	0.5	1.7	0.0	2.6	20.0	2.5	0.0	1.9	65.5	30.8	0.0	1.3	0.0	1.3
21	0.0	1.0	0.0	0.9	0.0	1.1	18.0	3.5	2.5	2.9	19.5	2.9	0.0	2.1	14.5	5.6	8.0	2.4	10.5	17.7	0.0	1.2	0.0	1.2
22	0.0	1.0	0.0	0.8	10.5	1.3	0.5	3.4	3.0	2.8	0.0	2.5	0.0	1.7	20.5	4.3	5.0	2.2	0.0	10.3	56.0	5.1	0.0	1.2
23	0.0	0.9	0.0	0.7	28.5	3.6	0.0	2.9	0.0	2.4	0.5	1.9	0.0	1.4	13.5	6.2	0.0	2.0	0.0	6.1	2.0	3.0	0.0	1.2
24	0.0	0.9	0.0	0.7	0.0	2.2	0.0	2.6	0.0	2.1	6.5	2.0	59.0	3.6	34.0	22.1	0.0	1.8	0.0	5.0	0.0	1.6	4.0	1.6
25	0.0	0.9	0.0	0.7	0.0	1.8	0.0	2.4	0.0	2.0	0.0	1.6	32.5	16.5	0.0	9.4	5.0	2.1	8.0	4.8	6.0	1.3	0.0	1.6
26	0.0	0.9	0.0	0.7	0.0	1.6	0.0	2.3	51.5	15.2	0.0	1.3	0.0	6.6	9.0	5.0	2.0	1.9	0.5	4.4	1.0	1.5	5.5	1.9
27	0.0	0.9	7.5	1.0	0.0	1.5	0.0	2.2	21.0	31.1	23.5	5.2	16.5	9.2	94.0	36.4	11.5	2.1	0.0	3.7	0.0	1.0	5.0	1.6
28	0.5	0.9	0.0	0.8	0.0	1.4	14.0	2.6	0.0	7.1	0.0	2.4	0.0	5.4	0.5	36.3	18.5	3.5	0.0	3.5	0.0	0.9	0.0	1.3
29	13.5	1.4	0.0	0.9	0.0	1.3	0.0	2.3	0.0	4.2	6.5	2.0	5.0	4.4	10.0	20.4	0.0	2.1	0.0	3.2	27.5	2.8	0.0	1.2
30	15.0	1.4			42.5	5.2	0.0	2.1	10.5	3.7	26.5	7.1	1.0	3.7	7.0	12.1	0.0	1.8	0.0	3.0	0.0	2.5	0.0	1.2
31	1.0	1.9			0.0	3.4			2.5	3.5			13.0	4.5	11.0	7.8			0.5	2.8			0.5	1.2
total	88.5	39.8	22.0	26.7	159.5	55.2	150.5	97.9	239.5	152.8	208.0	146.5	337.0	211.4	322.0	221.5	86.0	92.3	255.5	170.1	96.0	57.5	38.0	46.0

HIGASHIYAMA

1981

unit: mm/day

annual precipitation: 1867.0

annual runoff: 1097.2

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	1.1	0.5	0.9	0.5	1.5	9.0	3.5	0.0	4.7	9.0	2.5	8.0	4.2	0.5	1.6	0.0	2.4	8.5	4.5	0.0	2.3	0.5	1.6
2	6.0	1.2	1.0	1.1	2.0	1.5	37.5	4.5	0.0	3.3	1.0	2.5	6.0	3.5	0.0	1.5	0.0	2.1	15.0	4.9	12.5	2.2	0.5	1.6
3	2.5	1.3	1.0	1.0	9.0	2.5	0.0	5.9	0.0	3.0	0.0	2.2	41.0	6.6	0.0	1.4	24.5	2.8	0.0	4.0	21.0	4.6	0.0	1.6
4	0.0	1.1	3.0	1.0	19.0	2.8	0.0	4.3	8.5	3.2	0.0	2.1	21.0	10.2	0.0	1.3	33.5	5.9	0.0	3.4	0.0	3.1	0.0	1.5
5	0.5	1.2	0.0	0.9	0.0	2.8	7.0	4.1	0.0	2.8	0.0	2.0	3.0	9.2	0.0	1.3	51.5	21.8	12.5	3.1	0.0	2.7	0.0	1.3
6	0.5	1.2	0.0	0.9	0.0	2.1	18.5	5.1	4.5	2.6	0.0	1.8	0.0	6.3	0.0	1.2	0.0	8.4	7.0	4.4	15.0	2.7	0.0	1.3
7	0.0	1.1	0.0	0.9	0.0	1.9	0.0	4.2	7.5	3.1	0.0	1.7	2.0	5.0	0.0	1.1	2.0	5.2	0.0	3.7	8.0	3.5	0.0	1.3
8	0.0	1.1	0.0	0.9	0.0	1.8	0.0	3.6	31.0	5.9	0.0	1.6	0.0	4.3	0.0	1.1	8.0	4.2	30.5	3.5	0.0	2.9	0.0	1.3
9	0.5	1.1	0.0	0.9	0.0	1.7	0.0	3.3	0.0	4.0	0.0	1.6	9.0	4.1	6.0	1.4	0.5	4.4	93.5	20.0	0.0	2.6	0.0	1.2
10	0.0	1.2	0.0	0.9	6.5	1.7	10.5	3.3	0.0	3.3	0.0	1.5	0.0	3.6	0.0	1.1	0.0	3.3	2.0	26.2	0.0	2.6	0.0	1.2
11	1.0	1.1	0.0	0.9	0.0	1.6	0.5	3.4	0.0	3.0	0.0	1.5	0.0	3.1	5.0	1.0	0.0	3.0	0.0	10.4	0.0	2.5	0.0	1.3
12	0.0	1.1	2.0	0.9	0.0	1.5	0.0	2.9	42.5	5.1	4.0	1.5	40.0	4.2	5.5	1.1	11.5	2.9	0.0	7.6	0.0	2.4	1.0	1.1
13	0.5	1.1	0.0	0.9	0.0	1.4	4.0	2.8	9.5	8.9	9.0	2.0	0.0	5.6	0.0	1.3	13.5	4.0	0.0	6.3	0.0	2.3	0.0	1.1
14	0.0	1.1	1.0	1.1	3.0	1.5	0.0	2.6	0.0	5.2	20.0	2.3	7.0	3.7	0.0	1.0	0.0	2.9	14.5	6.6	0.0	2.1	0.0	1.1
15	0.5	1.1	0.0	1.1	18.5	2.2	0.0	2.4	0.0	4.3	11.0	3.1	0.0	3.8	12.5	1.6	0.0	2.4	0.0	6.6	0.0	2.1	0.0	1.1
16	0.0	1.1	0.0	1.1	0.0	2.0	27.0	3.1	0.0	3.8	3.0	2.3	11.0	3.2	0.0	1.2	0.0	2.3	0.0	6.1	0.5	2.0	0.0	1.1
17	0.5	1.2	28.0	1.9	0.0	1.7	8.5	3.0	0.0	3.4	0.0	1.8	0.0	4.7	0.0	1.0	0.0	2.2	0.0	5.5	0.0	2.0	0.0	1.1
18	0.5	1.2	2.0	3.2	0.0	1.6	0.0	3.5	51.0	9.5	0.0	1.7	0.0	3.4	0.0	1.0	0.0	2.0	0.0	4.8	0.0	1.9	0.0	1.1
19	1.0	1.2	9.0	2.6	0.0	1.5	0.0	3.1	0.0	5.8	2.0	1.7	0.0	2.9	0.0	0.9	0.0	1.8	0.0	4.6	0.0	1.8	0.0	1.0
20	1.5	1.1	0.0	2.5	5.0	1.6	27.0	4.7	0.0	4.7	0.0	1.5	2.0	2.8	0.0	0.9	71.5	8.4	0.0	4.2	0.0	1.8	14.5	1.6
21	0.0	1.1	1.0	1.9	0.0	1.5	0.0	4.2	0.0	4.1	1.0	1.5	6.0	2.9	0.0	0.8	3.5	6.3	0.0	4.0	0.5	1.7	1.5	1.3
22	0.5	1.1	0.0	1.4	24.5	2.1	0.0	3.6	0.0	3.7	14.0	1.9	5.0	2.7	0.0	0.8	0.0	4.6	27.5	4.2	0.0	1.7	0.0	1.2
23	0.0	1.1	5.0	1.3	0.0	2.2	0.0	3.4	0.0	3.3	36.0	3.9	0.0	2.4	85.0	6.4	0.0	3.7	0.0	8.6	0.0	1.7	0.0	1.1
24	0.0	1.1	20.5	3.0	0.0	1.8	0.0	3.1	0.0	3.0	0.0	4.5	0.0	2.2	0.0	3.6	0.0	3.3	0.0	5.4	10.5	2.3	0.5	1.1
25	14.5	1.5	2.5	2.3	42.0	3.1	7.5	2.8	15.5	3.9	0.0	2.7	0.0	2.0	0.0	1.8	6.0	3.0	0.0	3.1	0.0	2.1	0.0	1.0
26	4.5	1.3	0.0	1.9	57.5	18.4	5.5	3.5	0.5	3.1	30.0	4.6	0.0	2.0	14.0	1.7	81.5	19.5	0.0	2.7	13.5	2.4	0.0	1.0
27	0.0	1.1	0.0	1.7	0.5	8.4	0.0	2.7	0.0	2.9	1.5	3.7	0.0	1.8	4.5	2.1	7.0	8.9	0.0	2.5	1.0	2.4	0.0	1.0
28	0.0	1.0	0.0	1.6	0.0	5.6	0.0	2.5	0.0	2.6	33.5	4.4	0.0	1.8	36.0	2.9	0.0	6.6	0.0	2.3	3.5	1.9	0.0	1.0
29	0.0	1.0			0.0	4.3	0.0	2.4	13.5	3.3	0.0	6.6	0.0	1.7	17.5	8.4	0.0	5.3	6.0	2.4	0.0	1.8	0.0	0.9
30	0.5	0.9			0.0	3.6	39.5	4.1	0.0	2.7	1.0	4.6	0.0	1.7	3.0	3.9	0.0	4.6	13.0	3.4	0.0	1.7	2.0	0.9
31	0.0	0.9			3.0	3.2			0.0	2.3			0.0	1.6	0.0	2.9			0.0	2.5			0.0	1.0
total	36.0	35.0	76.5	40.7	191.0	91.1	202.0	105.6	184.0	124.5	176.0	77.3	161.0	117.2	189.5	59.3	314.5	158.2	230.0	181.5	86.0	69.8	20.5	37.0

HIGASHIYAMA

1982

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

1210.0

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	1.0	0.5	0.6	9.5	1.0	1.5	3.7	3.0	2.7	48.5	3.7	0.0	1.4	19.5	3.8	0.0	3.5	n/a	3.6	0.0	1.2	0.0	3.3
2	0.0	1.0	0.5	0.7	1.5	1.0	0.0	2.1	6.5	2.6	4.5	2.8	0.0	1.3	81.5	19.1	4.0	3.7	2.5	3.5	0.0	1.4	0.0	2.5
3	0.0	0.9	0.0	0.7	0.0	0.9	26.5	2.3	9.5	3.5	57.5	5.9	0.0	1.3	56.5	24.1	0.0	3.3	16.0	4.6	0.0	1.5	0.0	2.1
4	0.0	0.9	0.5	0.6	0.0	0.9	6.5	4.4	29.0	4.8	0.0	10.2	0.0	1.2	15.0	24.7	0.0	3.2	0.0	3.6	0.0	1.5	0.0	1.8
5	15.0	1.2	2.0	0.7	38.0	2.2	0.0	3.0	0.0	3.7	0.0	4.3	0.0	1.1	0.0	12.4	0.0	2.9	0.0	3.2	0.0	1.7	0.0	1.7
6	0.0	1.4	0.5	0.7	8.0	4.2	0.0	2.6	0.0	2.9	0.0	2.9	0.0	1.2	0.0	8.6	0.5	2.8	0.0	2.9	4.5	1.5	7.0	1.9
7	0.0	1.1	2.0	0.7	0.0	2.5	1.0	2.3	34.0	4.7	0.0	2.4	12.5	1.3	0.0	6.8	4.5	3.1	0.0	2.8	6.0	1.3	0.0	1.7
8	0.0	1.0	0.0	0.6	0.0	2.0	43.0	4.4	0.0	4.4	0.0	2.2	0.5	1.6	2.0	5.8	0.0	2.9	9.0	2.8	12.0	2.0	0.0	1.6
9	0.0	1.0	0.0	0.6	0.0	1.8	0.5	5.3	0.0	3.4	0.0	1.9	42.0	3.2	69.5	10.4	35.5	9.1	0.0	2.9	0.5	1.5	0.0	1.5
10	0.0	1.0	0.0	0.6	0.0	1.5	32.5	9.4	0.0	2.9	0.0	1.7	0.5	3.8	11.5	7.9	64.0	17.4	2.0	2.6	31.0	2.0	0.0	1.5
11	0.5	1.0	0.0	0.6	0.0	1.3	0.0	6.5	0.0	2.6	0.0	1.6	0.0	2.2	0.0	7.4	10.5	16.9	0.0	2.4	52.0	7.5	0.5	1.5
12	0.0	0.9	0.0	0.8	0.0	1.2	0.0	5.2	0.0	2.4	0.0	1.5	32.0	4.0	0.0	8.3	111.5	34.6	0.0	2.3	0.0	5.9	8.5	1.8
13	0.0	1.0	0.0	1.0	10.0	1.3	2.5	4.2	0.0	2.2	0.0	1.4	0.0	3.9	16.5	6.8	48.0	58.4	0.0	2.2	0.0	2.8	0.0	1.5
14	0.0	0.9	0.0	0.9	0.0	1.2	2.5	3.7	11.0	2.2	31.5	2.4	15.0	2.8	0.0	5.8	0.0	25.3	0.0	2.0	0.0	1.9	0.0	1.4
15	0.0	0.9	0.0	0.9	4.5	1.1	64.5	4.8	3.5	2.8	2.5	2.8	8.0	3.8	0.0	5.5	0.0	17.0	0.0	2.0	0.0	1.6	0.0	1.4
16	0.0	0.8	0.0	0.9	32.5	3.6	0.0	14.2	0.0	2.2	0.0	1.7	0.0	3.1	13.0	8.0	0.0	13.0	n/a	1.9	7.5	1.9	0.0	1.3
17	0.0	0.8	1.5	0.9	0.0	2.5	0.5	7.3	0.0	2.0	0.0	1.6	18.0	3.3	23.0	6.1	0.0	8.2	n/a	1.8	2.5	2.0	2.5	1.3
18	0.0	0.8	9.5	1.0	4.5	2.1	0.0	5.6	0.0	1.8	4.0	1.5	2.0	3.5	0.5	5.3	0.0	6.6	n/a	1.8	0.5	2.0	1.0	1.4
19	0.0	0.8	0.0	1.0	0.0	1.8	0.0	4.7	0.0	1.7	3.5	1.7	5.0	2.8	0.0	5.9	3.0	5.9	n/a	1.7	0.0	1.8	0.5	1.3
20	0.0	0.8	30.0	2.2	19.5	2.1	0.0	4.1	2.5	1.6	0.0	1.5	9.0	3.5	15.5	5.2	43.0	10.0	n/a	2.7	0.0	1.7	0.0	1.2
21	0.0	0.8	0.0	3.1	22.5	2.9	0.0	3.6	0.5	1.7	7.5	1.7	0.0	2.9	0.0	4.5	17.0	11.2	n/a	2.2	0.0	1.7	0.0	1.2
22	1.0	0.8	0.0	2.1	1.0	4.5	18.0	4.3	0.0	1.6	38.5	5.3	0.0	2.5	0.0	4.1	0.0	8.1	n/a	1.8	0.0	1.7	0.0	1.2
23	6.0	0.9	0.0	1.7	0.0	3.0	0.0	3.7	0.0	1.5	0.0	2.8	0.0	2.2	0.0	3.7	8.5	6.4	0.0	1.7	12.0	2.1	4.0	1.3
24	0.0	0.8	0.0	1.4	0.0	2.5	0.0	3.3	0.0	1.4	0.0	2.4	2.0	2.1	0.0	3.4	5.5	6.6	0.0	1.6	0.0	1.8	0.5	1.2
25	0.0	0.8	0.0	1.1	0.0	2.1	0.0	3.0	0.0	1.4	0.0	2.1	10.5	2.4	0.0	3.4	9.0	5.9	0.0	1.5	0.5	1.6	0.0	1.1
26	0.0	0.7	0.0	0.8	0.0	1.9	0.0	2.9	0.0	1.4	0.0	1.7	25.5	3.9	0.0	3.4	4.0	5.6	0.0	1.5	0.0	1.5	5.0	1.1
27	0.0	0.7	0.0	0.8	0.0	1.8	0.0	2.8	0.0	1.3	22.0	2.5	13.5	4.1	1.0	3.1	0.0	5.0	0.0	1.4	0.0	1.5	12.5	1.9
28	0.0	0.7	0.0	0.8	0.0	1.7	0.0	2.8	0.0	1.2	0.0	1.9	12.5	4.6	45.5	6.6	0.0	4.5	0.0	1.3	0.0	1.4	0.0	1.4
29	0.0	0.7			0.0	1.5	0.0	2.6	0.0	1.2	0.0	1.6	1.0	4.4	0.0	5.2	0.0	4.1	0.0	1.3	0.0	1.4	0.0	1.2
30	0.0	0.6			0.0	1.5	0.0	2.5	0.0	1.1	0.0	1.4	13.0	4.1	2.0	4.1	0.0	3.9	0.0	1.3	35.0	3.1	0.0	1.2
31	0.0	0.6			29.5	1.9			2.5	1.2			0.0	3.9	0.0	3.9			0.0	1.3			0.5	1.2
total	22.5	27.3	47.0	28.5	181.0	61.5	199.5	131.3	102.0	72.1	220.0	79.1	222.5	87.4	372.5	233.3	368.5	309.1	n/a	70.2	164.0	62.5	42.5	47.7

HIGASHIYAMA

1983

unit: mm/day

n/a : data not available

annual precipitation: 1944.0

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	1.1	0.0	0.9	0.0	1.0	0.0	1.7	0.0	2.7	0.0	1.8	0.0	5.7	0.0	5.2	0.0	n/a	12.0	10.5	0.0	2.2	0.5	1.1
2	0.0	1.1	3.5	1.0	11.5	1.1	15.5	2.3	14.0	3.1	0.0	1.7	0.0	4.7	0.5	4.6	9.0	n/a	0.0	6.9	0.0	2.1	0.0	1.1
3	0.0	1.1	7.0	1.2	20.0	3.1	0.5	2.0	0.0	2.6	0.0	1.5	43.5	8.9	0.0	4.0	0.0	1.7	0.0	5.7	0.0	2.0	0.0	1.0
4	0.0	1.0	0.0	0.9	0.0	1.9	0.0	1.7	0.0	2.3	0.0	1.5	0.5	8.9	0.0	3.6	0.0	1.5	0.0	4.0	0.0	1.9	0.0	1.0
5	0.0	1.0	0.0	0.9	0.0	1.5	0.0	1.7	0.0	2.2	0.0	1.4	18.5	6.5	0.0	3.2	0.0	1.4	7.5	3.3	0.0	1.9	0.0	1.0
6	10.0	1.3	0.0	0.8	0.0	1.3	0.0	1.5	0.0	2.1	0.0	1.4	25.5	15.9	0.0	3.2	0.0	1.4	0.0	3.6	2.0	1.9	1.5	1.1
7	0.5	1.2	4.5	0.9	0.0	1.3	0.0	1.5	42.5	4.7	0.0	1.3	0.0	9.3	0.0	2.9	0.0	1.2	0.0	3.4	0.0	1.8	0.0	1.0
8	4.0	1.2	0.0	0.9	0.0	1.2	6.0	1.6	0.5	5.2	0.0	1.8	0.5	6.8	0.0	2.7	4.5	1.3	0.0	3.2	0.0	1.7	0.0	1.0
9	0.5	1.3	0.0	0.9	0.0	1.2	0.0	1.5	0.0	3.4	0.0	1.2	36.5	10.0	0.0	2.6	0.5	1.2	72.0	10.9	0.0	1.7	0.0	1.0
10	0.0	1.1	0.0	0.9	4.5	1.2	2.5	1.4	0.0	2.9	0.0	1.2	0.0	7.3	27.0	4.7	0.0	1.2	0.5	11.2	0.0	1.6	0.0	0.9
11	0.0	1.1	0.5	0.8	10.5	1.7	36.0	4.1	0.0	2.6	0.0	1.0	0.0	6.1	0.0	3.0	1.5	1.1	7.5	6.4	0.5	1.6	1.0	0.9
12	0.0	1.1	0.0	0.8	0.0	1.3	2.5	3.0	0.0	2.5	0.0	1.0	0.0	5.5	0.0	2.6	0.5	1.1	0.0	5.9	0.0	1.6	0.0	0.9
13	0.0	1.1	0.0	0.8	12.5	1.5	0.0	2.5	0.0	2.4	76.5	5.8	0.0	4.7	0.0	2.4	3.0	1.1	0.0	5.0	0.0	1.7	0.5	0.9
14	0.0	1.1	0.0	0.9	15.0	2.8	0.0	2.1	0.0	2.2	1.0	4.1	0.0	4.3	0.0	2.2	0.0	1.0	6.0	4.8	0.0	1.8	0.0	0.9
15	0.5	1.0	0.0	0.9	0.0	1.8	12.5	2.2	0.0	2.2	0.0	2.2	8.0	4.4	0.0	2.0	0.0	0.9	0.0	4.5	0.0	1.7	0.0	0.9
16	0.0	1.0	0.0	0.9	0.0	1.6	25.5	4.6	25.5	3.3	15.0	2.2	53.5	11.5	31.5	3.1	0.5	1.0	20.5	6.7	0.0	1.7	0.0	0.8
17	0.0	0.9	0.0	0.9	21.0	2.2	25.5	6.0	82.0	23.0	7.0	2.4	10.5	8.4	31.5	5.2	0.0	0.8	0.0	5.2	0.0	1.6	0.0	0.8
18	4.0	1.0	9.0	1.4	2.0	2.4	12.0	8.8	0.0	10.4	6.0	2.4	68.0	21.5	41.0	10.4	0.0	0.9	0.0	4.7	0.0	1.4	0.0	0.8
19	3.5	1.2	1.5	1.2	0.0	1.9	0.0	6.2	0.0	6.1	7.0	2.8	0.0	17.0	0.0	5.5	0.0	1.0	0.0	4.4	0.0	1.3	0.0	0.8
20	0.0	1.0	0.0	1.1	0.0	1.7	28.5	8.5	0.0	4.7	7.5	2.1	0.0	9.8	0.0	3.8	17.5	1.4	13.5	4.9	0.0	1.3	0.5	0.8
21	0.0	1.0	0.0	1.0	0.0	1.5	0.0	7.9	0.0	4.0	146.5	34.1	27.0	8.9	7.0	3.4	14.5	3.0	0.0	3.7	0.0	1.3	0.0	0.8
22	0.0	0.9	0.5	1.0	6.5	1.8	6.0	6.5	0.0	3.6	0.5	26.7	15.5	12.2	4.0	3.5	5.0	1.8	0.0	3.2	0.0	1.2	0.5	0.7
23	0.0	0.9	0.0	1.0	0.0	1.5	7.0	5.3	0.0	3.2	0.0	10.7	12.0	8.8	0.0	2.9	1.0	1.4	0.0	3.3	0.0	1.1	9.0	n/a
24	0.0	0.8	9.0	1.2	32.0	3.6	0.0	4.3	0.0	3.1	7.5	8.3	2.5	8.4	2.0	2.7	1.0	1.4	0.0	3.3	r14.5	n/a	0.0	0.9
25	0.0	0.9	4.0	1.5	0.0	3.3	0.0	3.8	0.0	2.8	1.5	5.9	16.0	8.8	1.5	2.7	4.5	1.4	0.0	3.3	0.0	n/a	0.0	0.8
26	0.0	0.9	0.0	1.2	0.0	2.6	0.0	3.4	0.0	2.5	0.0	4.6	0.5	7.1	0.0	2.4	3.5	1.5	0.0	3.3	0.0	1.3	0.0	0.8
27	0.0	0.9	0.0	1.1	1.5	2.4	0.0	3.2	0.0	2.3	2.0	4.1	0.0	6.1	0.0	2.3	23.5	2.0	32.5	4.8	0.5	1.2	0.0	0.7
28	0.0	0.8	0.0	1.0	0.0	2.0	0.0	3.0	0.0	2.2	0.0	3.9	0.0	5.3	0.0	2.2	62.5	11.6	0.0	3.4	0.0	1.2	0.0	0.7
29	0.0	0.8			0.0	1.8	0.5	2.8	0.5	2.1	52.5	10.0	0.0	4.7	0.5	2.1	175.5	89.1	0.0	2.8	0.0	1.1	0.0	0.8
30	0.0	0.8			6.5	2.0	6.0	3.0	0.5	2.0	0.0	8.0	0.0	4.2	0.0	2.0	0.0	16.5	0.0	2.4	0.0	1.1	0.0	0.7
31	0.0	0.8			0.5	1.8			0.0	2.0			39.0	7.7	0.0	1.9			0.0	2.3			0.0	0.7
total	23.0	31.4	39.5	28.0	144.0	58.0	186.5	108.1	165.5	120.4	330.5	157.1	377.5	259.4	146.5	105.0	328.0	n/a	172.0	151.0	r17.5	n/a	13.5	n/a

HIGASHIYAMA

1984

unit: mm/day

n/a : data not available

annual precipitation: n/a

annual runoff:

741.0

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	0.7	18.0	0.6	0.0	1.5	7.0	1.6	0.0	1.6	42.5	24.2	0.0	6.3	0.0	2.8	0.0	0.9	0.0	0.5	0.0	0.3	0.0	0.4
2	0.0	0.7	3.5	0.6	0.0	1.3	1.5	1.7	51.0	5.5	0.0	4.3	0.0	5.4	0.0	2.7	0.0	0.9	0.0	0.5	0.0	0.4	3.0	0.5
3	0.0	0.7	4.0	0.7	0.0	1.2	0.0	1.4	0.0	3.6	0.0	3.7	0.0	4.9	0.0	2.4	0.0	0.8	1.5	0.5	0.0	0.4	0.5	0.5
4	2.0	0.8	0.0	0.7	0.0	1.1	0.0	1.4	0.0	2.7	4.0	3.2	0.0	4.3	0.0	2.1	0.0	0.8	6.5	0.8	0.0	0.3	0.0	0.4
5	1.0	0.7	0.0	0.6	0.0	1.0	15.5	1.9	0.0	2.3	0.0	2.8	0.0	3.8	0.0	2.0	0.0	0.7	0.5	0.6	0.0	0.4	0.0	0.4
6	0.0	0.7	0.0	0.6	0.0	1.0	12.5	2.8	0.0	2.1	0.0	2.6	0.0	3.4	0.0	1.9	0.0	0.7	0.0	0.5	0.0	0.4	0.0	0.4
7	0.0	0.6	0.0	0.6	0.0	1.0	0.0	2.2	0.0	1.9	0.0	2.3	0.0	3.1	0.0	1.8	0.0	0.7	0.0	0.5	0.0	0.4	0.5	0.4
8	0.0	0.6	0.0	0.6	0.0	0.9	0.0	1.9	0.0	1.8	1.5	2.1	92.0	13.7	0.0	1.7	2.0	0.7	0.0	0.5	0.0	0.4	0.0	0.4
9	0.5	0.6	0.0	0.6	0.0	0.9	0.0	1.7	0.0	1.7	6.5	1.9	19.5	17.2	0.0	1.6	11.5	1.0	0.0	0.5	0.0	0.4	0.0	0.4
10	0.0	0.6	0.0	0.6	1.5	0.9	0.0	1.6	0.0	1.6	28.5	2.5	0.0	8.7	10.0	2.6	16.0	1.8	0.0	0.5	0.0	0.3	0.0	0.4
11	0.0	0.6	0.0	0.6	1.5	1.1	0.0	1.6	0.0	1.5	41.0	12.6	0.0	6.5	0.0	1.8	0.0	1.1	0.0	0.5	16.0	0.4	0.0	0.4
12	0.0	0.6	0.0	0.6	1.5	0.9	0.0	1.4	0.0	1.4	0.0	5.0	0.0	5.6	0.0	1.6	0.0	1.0	0.5	0.5	4.0	1.1	14.5	0.8
13	0.0	0.6	6.0	0.7	4.5	1.0	0.0	1.4	0.0	1.4	0.0	3.6	0.0	4.7	0.0	1.4	0.0	1.1	0.0	0.5	0.0	0.7	0.0	0.5
14	0.0	0.6	6.5	0.8	0.0	0.9		1.4	28.5	3.0	0.0	3.1	24.5	5.7	28.5	4.4	13.5	1.4	0.0	0.4	0.0	0.6	0.0	0.4
15	0.0	0.6	2.5	0.7	2.0	0.9		1.5	0.0	2.3	3.5	2.8	6.5	5.6	0.0	2.1	0.0	1.1	0.0	0.4	5.0	0.7	0.0	0.4
16	2.0	0.6	0.0	0.7	13.0	1.2		1.9	0.0	2.0	0.0	2.6	1.0	4.5	0.0	1.7	13.5	1.4	0.0	0.4	31.5	2.4	0.0	0.4
17	0.0	0.6	0.0	0.6	18.5	3.2		2.0	31.5	4.1	0.0	2.3	0.5	4.1	0.0	1.5	0.0	1.1	18.5	0.7	0.5	0.9	24.5	1.3
18	0.0	0.6	0.0	0.6	0.0	2.1	0.0	1.2	0.0	3.1	28.0	4.4	1.5	3.8	0.0	1.3	0.0	0.9	4.0	0.9	0.0	0.7	0.5	1.0
19	0.0	0.6	2.0	0.6	0.0	1.7	0.0	1.1	0.0	2.6	0.0	3.2	0.5	3.5	0.0	1.2	11.0	1.2	0.0	0.5	0.0	0.6	7.5	1.0
20	0.0	0.6	0.5	0.6	18.5	2.8	73.5	13.6	1.0	2.4	30.5	4.3	0.0	3.1	0.0	1.2	1.5	1.0	8.5	0.7	12.0	0.8	0.0	0.7
21	0.0	0.5	1.5	0.6	4.5	2.8	0.0	6.7	2.5	2.2	1.0	5.0	94.0	22.5	1.0	1.1	0.0	0.9	6.5	0.8	0.0	0.8	0.0	0.6
22	2.0	0.5	5.0	0.6	0.0	2.2	0.0	4.4	0.0	2.0	0.0	3.7	5.0	10.3	49.0	4.2	0.0	0.9	0.0	0.6	0.0	0.6	0.0	0.6
23	8.5	0.6	11.5	0.8	0.0	1.9	0.5	3.5	0.0	1.8	31.5	4.4	0.0	7.2	1.0	2.6	0.0	0.9	0.0	0.5	0.0	0.5	0.0	0.5
24	0.0	0.6	19.0	2.7	0.0	1.7	0.0	2.8	0.0	1.6	0.0	5.8	0.0	5.8	0.0	1.8	0.0	0.8	0.0	0.4	0.5	0.5	0.0	0.5
25	0.0	0.6	0.0	1.4	18.5	3.0	0.0	2.2	0.0	1.4	10.5	4.5	0.0	5.1	0.0	1.4	0.0	0.8	0.0	0.4	1.0	0.5	0.0	0.5
26	0.0	0.6	8.0	1.3	0.0	2.1	0.0	1.9	0.0	1.3	7.5	5.3	0.0	4.5	0.0	1.4	0.0	0.8	0.0	0.4	0.0	0.5	0.0	0.5
27	0.0	0.6	23.5	4.7	0.0	1.9	0.0	1.9	0.0	1.3	84.0	19.8	0.0	4.1	0.0	1.2	0.0	0.6	0.0	0.4	0.0	0.5	0.0	0.5
28	0.0	0.6	0.0	2.3	0.0	1.7	0.0	1.8	0.0	1.3	0.0	17.6	0.0	3.6	1.0	1.2	0.0	0.6	0.0	0.4	0.0	0.5	0.0	0.5
29	0.0	0.6	0.0	1.7	0.0	1.6	0.0	1.8	3.5	1.2	16.0	10.2	0.5	3.5	0.0	1.1	0.0	0.5	0.0	0.4	0.0	0.5	0.0	0.5
30	0.0	0.6			0.0	1.5	0.0	1.6	3.5	1.5	0.0	8.1	0.0	3.3	1.5	1.2	0.0	0.5	0.0	0.3	0.0	0.4	0.0	0.5
31	0.0	0.6			0.0	1.5			0.0	1.5			0.0	3.1	0.0	1.1			0.0	0.3			0.0	0.5
total	16.0	19.1	111.5	28.8	84.0	48.5	n/a	73.9	121.5	65.7	336.5	177.9	245.5	190.9	92.0	58.1	69.0	27.6	46.5	15.8	70.5	17.9	51.0	16.8

HIGASHIYAMA

1985

unit: mm/day

annual precipitation: 1904.5

annual runoff: 1106.7

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	0.5	0.0	0.4	25.5	2.2	0.0	3.0	0.0	2.9	0.0	3.7	99.0	88.6	0.0	1.6	1.5	0.4	0.0	1.9	10.5	0.9	0.5	0.7
2	1.0	0.5	0.0	0.4	0.5	2.1	0.0	2.7	0.0	2.6	0.0	3.4	2.0	31.5	0.0	1.5	0.0	0.4	0.0	1.5	7.0	1.5	0.0	0.7
3	0.5	0.5	0.0	0.4	4.0	1.4	0.0	2.4	0.0	2.6	0.0	3.2	18.0	19.5	0.0	1.3	0.0	0.4	0.0	1.3	0.0	0.8	0.0	0.7
4	5.0	0.6	0.0	0.4	0.0	1.2	37.0	4.2	0.0	2.5	0.0	3.0	34.5	26.9	0.0	1.1	0.0	0.4	0.0	1.2	0.0	0.8	0.0	0.7
5	0.5	0.5	0.0	0.4	0.0	1.1	13.5	8.5	0.0	2.4	0.0	2.7	1.0	17.6	0.0	1.0	95.5	13.1	0.0	1.1	0.0	0.7	4.0	0.8
6	0.0	0.5	2.5	0.4	0.0	1.1	0.0	4.5	4.5	2.3	0.0	2.5	0.0	13.3	0.0	1.2	0.0	2.5	7.5	1.3	22.0	1.1	0.0	0.7
7	0.5	0.5	0.0	0.4	0.0	1.1	0.0	3.7	11.0	2.7	0.0	2.4	1.5	11.0	10.0	1.4	9.5	2.0	4.5	1.4	30.5	4.3	13.0	1.2
8	0.0	0.4	0.0	0.4	0.0	1.1	17.5	5.4	1.0	2.3	8.5	2.4	3.0	9.9	18.0	2.3	6.0	1.6	0.5	1.1	1.5	2.2	0.5	1.0
9	0.0	0.4	14.0	0.5	39.0	3.2	0.0	4.4	0.0	2.0	0.5	2.5	3.0	8.3	1.5	1.3	0.0	1.1	0.0	1.0	0.0	1.6	1.5	1.0
10	0.5	0.4	40.0	4.6	3.0	3.9	0.0	3.8	0.0	1.9	0.0	2.2	0.0	7.0	0.0	1.2	0.0	0.9	0.0	0.9	1.5	1.3	0.0	1.0
11	3.0	0.4	0.0	1.7	0.0	2.4	0.0	3.6	8.5	2.1	1.5	2.1	26.0	8.9	1.5	1.2	0.0	0.8	0.0	0.9	1.0	1.3	0.0	1.0
12	0.5	0.4	0.0	1.3	17.0	3.3	43.5	8.3	0.0	1.9	12.0	2.6	1.0	7.6	2.0	1.1	4.0	1.0	0.0	0.9	0.0	1.1	0.0	0.9
13	0.5	0.4	0.0	1.1	0.0	2.6	11.5	9.3	0.0	1.8	1.0	2.2	1.0	6.2	3.5	1.2	1.5	0.9	0.0	0.9	0.0	1.0	0.0	0.9
14	0.0	0.5	0.0	0.9	1.0	2.2	6.0	6.6	54.5	4.8	18.0	3.1	8.0	5.9	0.0	0.9	0.0	0.7	13.5	1.2	0.0	1.0	0.0	0.7
15	0.0	0.5	0.0	0.8	1.0	2.0	0.0	5.4	8.0	8.7	5.5	2.5	0.0	4.9	0.0	0.9	0.0	0.7	0.0	1.0	0.0	0.9	0.0	0.7
16	0.0	0.4	0.0	0.8	0.0	1.7	11.5	5.5	0.0	4.0	0.0	2.2	0.0	4.3	0.0	0.9	0.0	0.7	0.0	0.8	1.0	0.9	0.0	0.7
17	0.0	0.4	0.0	0.7	0.0	1.6	0.0	4.7	0.0	3.1	0.0	1.9	0.0	3.9	0.0	0.8	1.5	0.8	9.0	1.0	0.0	0.9	0.0	0.7
18	0.0	0.4	0.0	0.6	28.0	3.1	0.0	4.1	0.0	2.6	0.0	1.8	0.0	3.6	0.0	0.8	2.5	0.7	0.0	1.0	0.0	0.9	0.0	0.7
19	0.0	0.3	1.5	0.6	11.0	2.9	0.0	3.6	0.0	2.3	8.5	2.0	0.0	3.3	5.0	0.8	2.5	0.8	0.0	0.8	0.0	0.8	0.0	0.7
20	5.5	0.4	37.5	2.8	15.0	5.3	20.5	4.1	44.0	4.1	50.5	5.7	0.0	3.1	0.0	0.8	0.0	0.7	0.0	0.8	0.0	0.8	0.0	0.7
21	0.5	0.5	2.5	1.7	14.0	4.3	0.0	4.3	44.0	16.6	0.0	4.8	0.0	3.0	0.0	0.8	0.0	0.6	0.0	0.7	0.0	0.8	0.0	0.7
22	0.0	0.4	1.5	1.3	1.5	4.5	0.0	3.5	0.0	8.2	32.5	5.9	1.0	2.9	0.5	0.7	5.0	0.6	0.0	0.7	0.0	0.8	0.0	0.6
23	0.0	0.4	0.0	1.1	0.0	3.5	31.5	5.6	0.0	5.6	14.0	8.4	0.0	2.7	0.0	0.7	12.5	1.0	0.0	0.7	12.5	1.0	1.0	0.7
24	0.0	0.4	0.0	1.0	0.0	3.1	0.0	5.4	0.5	4.5	33.0	8.2	0.0	2.4	0.0	0.7	46.0	4.0	0.0	0.6	1.0	1.0	0.0	0.7
25	0.0	0.4	1.0	0.9	0.0	2.7	0.0	4.3	56.0	8.2	57.0	17.0	0.0	2.3	0.0	0.6	24.0	5.0	0.0	0.6	5.0	1.0	0.0	0.6
26	0.0	0.3	1.0	0.9	33.5	4.5	0.0	3.8	11.0	13.8	48.5	37.9	0.0	2.2	0.0	0.6	2.5	3.4	0.0	0.6	0.5	0.8	0.0	0.6
27	0.0	0.3	0.0	0.9	7.0	6.5	14.5	3.8	0.0	8.2	0.0	19.0	0.0	1.9	0.0	0.6	0.0	2.1	3.5	0.7	0.0	0.8	0.0	0.6
28	12.0	0.5	5.5	1.0	21.5	9.5	2.0	4.4	1.5	6.1	28.5	13.3	0.0	1.8	0.0	0.6	3.5	1.6	0.0	0.6	0.0	0.8	0.0	0.6
29	0.0	0.6			0.0	5.7	0.0	3.7	3.5	5.4	0.0	12.6	0.0	1.8	0.0	0.5	15.5	2.2	0.0	0.6	4.5	0.9	0.0	0.6
30	0.0	0.4			0.0	4.2	0.0	3.3	0.5	4.7	106.0	21.3	0.0	1.7	0.0	0.5	6.5	2.6	15.0	0.9	0.0	0.8	0.0	0.6
31	0.0	0.4			0.0	3.5			0.0	4.2			0.0	1.7	0.0	0.4			0.0	0.9			8.0	0.8
total	30.5	13.5	107.0	28.4	222.5	97.5	209.0	139.9	248.5	145.1	425.5	202.5	199.0	309.7	42.0	30.0	240.0	53.7	53.5	29.6	98.5	33.5	28.5	23.3

HIGASHIYAMA

1986

unit: mm/day

annual precipitation: 1520.5

annual runoff: 820.3

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	0.0	0.5	0.0	0.5	0.5	2.5	0.0	2.4	0.0	3.2	0.5	11.0	0.0	3.8	0.0	0.7	0.5	0.5	0.0	0.3	0.0	0.3
2	0.0	0.6	0.0	0.5	3.5	0.5	0.0	2.2	11.5	2.4	0.0	2.7	0.0	6.8	0.0	3.5	0.0	0.6	13.0	0.9	0.5	0.3	0.0	0.3
3	0.0	0.5	0.0	0.4	0.0	0.5	0.0	2.0	10.0	3.3	0.0	2.4	27.0	7.4	1.5	3.4	40.5	2.0	0.5	0.7	0.0	0.3	0.0	0.3
4	0.0	0.5	0.0	0.4	0.0	0.5	3.5	1.9	38.0	5.8	0.0	2.3	0.0	6.0	8.0	3.3	0.5	1.7	0.0	0.5	3.5	0.3	0.0	0.3
5	17.0	1.5	0.0	0.4	0.0	0.5	23.0	3.7	0.0	5.8	0.0	2.2	0.0	4.7	8.0	3.8	0.0	1.0	0.0	0.5	0.0	0.4	0.0	0.3
6	0.0	0.8	0.0	0.4	0.0	0.5	0.5	2.8	0.0	4.3	0.0	2.1	38.0	9.0	0.0	2.8	0.0	0.8	0.0	0.5	0.0	0.3	0.0	0.3
7	0.0	0.7	0.5	0.4	0.0	0.5	0.0	2.3	31.5	7.1	1.0	2.1	0.0	7.4	0.0	2.5	0.0	0.8	0.0	0.5	0.0	0.3	0.0	0.3
8	0.0	0.7	0.0	0.4	0.0	0.5	0.0	2.0	0.0	5.6	1.5	2.0	0.5	5.8	0.0	2.3	0.0	0.7	2.5	0.5	0.0	0.3	0.0	0.3
9	0.0	0.7	0.0	0.4	0.0	0.5	0.0	1.9	0.0	4.5	0.0	1.8	0.0	4.9	0.0	2.2	0.0	0.7	0.0	0.5	0.0	0.3	0.0	0.3
10	0.0	0.6	0.0	0.4	3.0	0.6	34.0	3.0	0.0	3.8	0.0	1.7	39.5	6.2	0.0	2.1	2.0	0.7	0.0	0.4	17.0	0.7	0.0	0.3
11	0.0	0.6	0.0	0.4	9.5	1.1	15.5	7.9	0.0	3.3	0.0	1.6	13.5	12.0	0.0	2.0	1.0	0.8	6.0	0.5	0.5	0.5	5.0	0.4
12	0.0	0.6	0.0	0.4	10.0	1.3	2.5	4.7	0.5	3.1	0.0	1.5	20.0	10.1	0.0	1.8	0.0	0.6	1.5	0.6	0.0	0.4	0.5	0.3
13	0.0	0.6	0.0	0.4	0.0	1.0	0.0	3.6	0.0	2.8	0.0	1.4	50.0	11.7	11.0	1.9	6.5	0.8	1.5	0.5	0.0	0.3	0.0	0.3
14	0.0	0.6	0.0	0.4	0.0	0.8	0.0	3.0	0.0	2.6	0.0	1.3	4.0	19.6	0.0	2.0	0.5	0.8	0.5	0.4	3.0	0.4	0.0	0.3
15	0.0	0.6	1.0	0.4	19.0	1.5	0.0	2.7	53.5	7.8	0.0	1.3	11.0	12.0	0.0	1.7	0.0	0.7	0.0	0.4	0.5	0.4	29.5	1.1
16	0.0	0.6	0.5	0.4	0.0	1.2	25.0	4.7	0.0	5.0	0.0	1.3	33.5	12.4	0.0	1.5	6.0	0.7	0.0	0.4	0.0	0.3	0.0	1.0
17	0.0	0.6	0.0	0.4	0.0	1.0	0.0	3.6	5.0	4.3	16.0	1.8	4.5	14.9	5.5	1.8	2.5	0.9	0.0	0.3	0.0	0.3	0.0	0.5
18	0.0	0.6	0.0	0.4	0.0	0.8	0.0	2.9	0.0	3.5	67.0	8.1	27.5	14.5	0.0	1.7	33.0	2.5	0.0	0.3	0.0	0.3	0.0	0.4
19	0.0	0.6	27.0	1.2	6.5	0.8	17.5	2.9	0.0	3.2	0.0	4.5	0.0	13.1	0.0	1.4	3.0	1.3	0.0	0.3	0.0	0.3	39.5	2.6
20	0.0	0.5	7.0	1.4	10.5	1.5	1.0	3.4	34.5	6.0	1.0	2.8	3.0	9.4	0.0	1.3	1.0	1.1	0.0	0.3	0.0	0.3	0.5	1.9
21	0.0	0.5	0.0	0.9	0.0	1.1	0.0	2.7	3.0	6.1	0.0	2.4	6.0	8.8	0.0	1.2	1.0	1.0	0.0	0.3	0.0	0.3	0.0	1.0
22	0.0	0.5	0.0	0.7	0.0	0.9	0.0	2.5	0.0	4.5	6.5	2.6	52.5	12.0	0.0	1.2	0.0	0.9	12.0	0.4	0.0	0.3	0.0	0.7
23	0.0	0.5	0.0	0.6	50.5	2.0	22.5	3.9	0.0	3.7	0.0	2.2	15.0	18.3	0.0	1.2	0.0	0.8	0.0	0.5	0.0	0.3	0.0	0.6
24	1.0	0.5	0.0	0.6	23.5	11.2	0.0	3.4	0.0	3.4	38.5	5.0	0.0	12.3	1.5	1.3	0.0	0.8	0.0	0.3	0.0	0.3	0.0	0.6
25	1.0	0.5	0.0	0.5	0.0	4.4	0.0	2.8	0.0	3.0	2.0	4.1	0.0	9.4	0.0	1.3	0.0	0.8	0.5	0.3	8.0	0.4	0.0	0.5
26	0.5	0.5	0.0	0.5	0.0	2.9	0.0	2.4	0.0	2.7	3.5	3.7	0.0	7.3	0.0	1.2	0.0	0.7	0.0	0.3	0.0	0.5	1.0	0.5
27	0.0	0.5	0.0	0.5	0.0	2.4	0.0	2.2	0.0	2.5	0.0	3.0	0.0	6.3	0.0	1.2	0.0	0.6	1.5	0.3	0.0	0.3	0.0	0.5
28	0.0	0.5	0.0	0.5	0.0	2.1	14.5	2.7	0.0	2.4	0.0	2.4	0.0	5.5	1.5	1.1	0.0	0.6	0.0	0.3	0.0	0.3	2.0	0.7
29	0.0	0.5			30.5	4.3	11.0	3.5	0.0	2.3	25.0	3.0	0.0	5.0	0.0	1.1	0.0	0.5	0.0	0.3	0.0	0.3	9.5	0.8
30	0.5	0.5			0.0	3.2	0.0	2.7	49.0	6.1	69.5	15.4	0.0	4.5	0.0	1.0	0.0	0.5	4.5	0.4	0.5	0.3	0.0	0.6
31	0.5	0.5			8.5	3.0			2.5	4.3			0.0	4.2	0.0	0.8			0.0	0.3			1.5	0.5
total	20.5	18.6	36.0	14.8	175.0	53.6	171.0	92.5	239.0	127.6	231.5	91.9	346.0	292.5	37.0	59.4	97.5	27.1	44.5	13.2	33.5	10.3	89.0	18.8

HIGASHIYAMA

1987

unit: mm/day

annual precipitation: 1449.5

annual runoff: 676.5

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	2.0	0.6	0.0	0.6	3.0	0.5	0.0	2.1	0.0	1.0	0.0	3.4	0.0	1.8	3.5	1.5	3.5	1.1	8.0	1.6	0.0	1.5	0.0	0.7
2	0.0	0.5	0.0	0.5	2.0	0.5	0.0	1.9	7.5	1.2	0.0	3.1	1.0	1.6	0.0	1.4	0.0	0.9	0.0	1.5	0.5	1.0	0.0	0.7
3	22.0	1.2	0.0	0.6	1.0	0.5	0.5	1.8	1.0	1.1	13.5	3.5	12.5	1.6	0.0	1.4	20.0	1.4	0.0	1.2	6.5	1.3	0.0	0.7
4	0.0	1.3	0.0	0.6	1.0	0.5	0.0	1.6	3.0	1.2	23.0	7.4	16.5	3.7	0.0	1.4	2.5	2.4	0.0	1.1	10.5	1.4	0.0	0.7
5	0.0	0.8	1.0	0.6	0.0	0.6	0.0	1.5	0.0	1.0	0.0	4.4	9.5	2.5	0.0	1.3	0.0	1.4	0.0	1.1	0.5	1.4	0.0	0.7
6	10.5	1.0	4.5	0.6	0.0	0.6	0.0	1.4	0.0	0.9	0.0	2.8	0.0	2.2	44.5	5.0	0.0	1.2	2.0	1.1	0.0	1.1	3.5	0.7
7	0.0	0.9	5.0	0.7	0.0	0.6	8.0	1.6	0.0	0.9	0.0	2.5	4.5	2.1	0.0	2.3	0.0	1.0	1.5	1.1	0.0	1.0	0.0	0.7
8	0.5	0.8	6.0	0.8	0.0	0.7	15.5	2.4	0.0	0.8	0.0	2.3	0.0	1.8	0.0	1.8	0.0	1.0	0.0	1.1	2.0	0.9	0.0	0.7
9	0.5	0.7	0.5	0.7	8.5	0.9	0.0	1.7	0.0	0.8	0.0	2.2	0.0	1.6	0.0	1.6	0.0	0.9	0.0	0.9	0.0	0.9	0.0	0.7
10	0.0	0.7	0.0	0.7	7.5	0.8	8.5	1.8	0.0	0.8	35.0	5.6	0.0	1.4	0.0	1.4	1.0	0.9	0.0	0.9	0.0	0.8	2.0	0.7
11	0.0	0.6	0.0	0.7	18.5	1.1	5.5	2.1	0.0	0.8	0.0	3.0	0.0	1.2	0.0	1.3	2.5	1.0	0.0	0.9	0.0	0.8	0.5	0.6
12	0.0	0.6	0.0	0.6	0.0	1.6	0.0	1.7	0.0	0.7	0.0	2.7	0.0	1.2	1.0	1.3	0.0	0.9	1.0	1.0	0.0	0.8	0.0	0.6
13	12.5	1.2	5.0	0.8	0.0	1.1	0.0	1.6	15.5	1.1	0.0	2.3	3.0	1.3	0.0	1.1	27.0	1.9	0.0	0.9	3.0	0.8	2.5	0.6
14	0.0	0.9	0.0	0.7	24.5	2.6	0.0	1.5	97.0	13.3	0.0	2.2	1.0	1.3	0.0	1.1	0.0	1.4	0.0	0.8	0.0	0.8	0.0	0.6
15	0.5	0.8	0.0	0.7	3.5	2.0	0.0	1.5	40.5	20.2	16.5	3.1	10.5	1.7	11.5	1.9	0.0	1.1	0.0	0.8	2.0	0.8	0.0	0.5
16	3.5	0.7	0.0	0.6	0.0	1.5	0.0	1.4	0.0	7.5	8.5	3.3	1.0	1.4	0.0	1.2	0.0	1.0	1.0	0.8	0.0	0.8	0.0	0.5
17	2.5	0.7	0.0	0.6	0.0	1.3	0.0	1.3	3.0	4.9	0.0	2.6	3.5	1.3	0.0	1.1	0.0	0.9	12.5	0.9	0.0	0.7	0.0	0.5
18	0.0	0.7	17.0	1.1	10.5	1.6	0.0	1.2	18.0	6.2	0.0	2.3	21.0	2.1	11.5	1.3	0.0	0.9	5.5	1.5	0.0	0.7	0.0	0.5
19	0.0	0.6	0.0	1.3	0.0	1.4	0.0	1.1	0.0	4.4	0.0	2.0	18.5	2.9	0.0	1.1	0.0	0.8	2.0	1.2	1.5	0.7	0.0	0.5
20	0.0	0.6	0.0	0.9	50.5	6.5	0.0	1.1	0.0	3.7	10.0	1.9	69.5	14.4	0.0	0.9	0.0	0.7	1.0	1.1	0.0	0.7	0.0	0.5
21	0.0	0.6	0.0	0.7	0.0	5.4	0.0	1.0	0.0	3.2	10.5	2.7	0.0	7.9	0.0	0.8	0.0	0.7	0.0	0.9	0.0	0.7	0.0	0.5
22	0.0	0.5	0.0	0.7	0.0	3.2	12.5	1.6	0.0	2.8	0.0	2.1	0.0	4.8	0.0	0.8	0.0	0.7	0.0	0.8	0.0	0.7	0.0	0.5
23	0.5	0.5	1.5	0.7	8.5	2.8	0.0	1.3	79.5	8.9	0.0	1.8	0.0	3.7	31.0	0.9	0.0	0.7	0.0	0.7	0.0	0.6	0.0	0.5
24	20.0	1.1	0.5	0.6	69.0	9.9	0.0	1.1	32.0	27.1	0.0	1.7	0.0	3.1	27.0	6.0	0.0	0.7	2.5	0.6	0.0	0.6	0.0	0.5
25	0.0	1.1	1.0	0.6	6.5	13.6	0.0	1.0	0.0	13.0	0.0	1.6	0.0	2.6	0.0	1.9	85.0	10.4	25.0	1.9	0.0	0.6	0.0	0.5
26	0.0	0.8	0.0	0.6	0.0	6.4	6.5	1.0	0.0	9.1	0.0	1.4	0.0	2.3	10.0	2.0	1.5	7.1	0.0	1.2	0.0	0.6	0.0	0.5
27	0.0	0.7	0.0	0.6	0.0	4.7	16.5	1.9	0.0	7.2	0.0	1.4	0.0	2.1	0.0	1.6	4.0	3.5	9.5	1.5	0.0	0.6	0.0	0.5
28	0.0	0.7	0.0	0.6	0.0	3.5	0.0	1.4	4.5	6.2	4.0	1.5	0.0	1.9	0.0	1.3	0.0	2.1	0.0	1.0	17.0	1.2	0.0	0.5
29	0.0	0.7			0.0	2.9	0.0	1.2	0.0	4.6	7.5	1.7	0.0	1.7	0.0	1.2	0.0	1.8	0.0	0.8	0.0	0.9	0.0	0.5
30	0.0	0.6			0.0	2.6	0.0	1.1	0.0	3.9	10.5	2.1	0.0	1.6	0.0	1.1	0.0	1.5	0.0	0.8	0.0	0.7	0.0	0.5
31	0.0	0.6			1.0	2.3			0.0	3.7			0.0	1.5	0.0	1.0			20.5	1.3			0.0	0.5
total	75.0	23.8	42.0	19.5	215.5	84.2	73.5	44.9	301.5	162.2	139.0	80.6	172.0	82.3	140.0	50.0	147.0	52.0	92.0	33.0	43.5	26.1	8.5	17.9



HIGASHIYAMA

1988

unit: mm/day

annual precipitation: 1877.0

annual runoff: 1162.0

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	0.5	0.0	0.4	13.5	0.6	0.0	1.7	0.0	2.4	0.0	1.7	22.0	15.6	0.0	3.7	0.0	2.4	4.5	6.3	0.0	1.4	0.0	1.0
2	0.0	0.5	0.0	0.4	8.0	1.5	2.0	1.6	0.0	2.0	1.5	1.7	0.0	10.1	0.0	3.4	0.0	2.3	0.0	5.4	0.0	1.3	0.0	1.0
3	0.0	0.4	0.0	0.4	0.0	1.1	0.0	1.5	0.0	1.9	83.5	9.1	0.0	7.6	0.0	3.1	0.0	2.2	0.0	4.9	0.0	1.3	0.0	1.0
4	0.0	0.4	0.0	0.4	0.0	0.8	0.0	1.4	2.0	1.8	40.0	22.5	2.0	6.5	7.0	3.3	0.0	2.1	0.0	4.5	0.0	1.2	0.0	0.9
5	6.5	0.6	0.0	0.4	0.0	0.7	0.0	1.3	3.5	1.9	0.0	13.4	0.0	5.5	2.5	3.3	4.0	2.1	0.0	4.1	8.0	1.4	7.5	1.2
6	0.5	0.5	11.5	0.8	0.0	0.6	3.5	1.4	0.0	1.7	0.0	8.5	0.0	5.0	0.0	2.7	12.5	2.7	34.5	5.8	0.0	1.6	0.0	1.1
7	0.0	0.5	2.5	0.8	0.0	0.5	1.0	1.2	0.0	1.5	0.0	6.1	0.0	4.5	0.0	2.5	11.0	3.1	19.0	14.0	0.0	1.3	0.0	1.0
8	6.5	0.5	0.0	0.6	0.0	0.5	40.5	3.4	35.0	4.4	0.0	4.9	0.0	4.1	0.0	2.4	0.5	2.5	0.0	6.5	0.0	1.2	0.0	1.0
9	0.5	0.5	0.0	0.5	0.0	0.5	0.5	3.3	0.0	3.0	59.5	10.8	0.0	3.7	0.0	2.2	0.0	2.1	0.0	5.6	0.0	1.2	0.0	1.0
10	0.0	0.5	0.0	0.5	0.0	0.5	0.0	2.3	0.0	2.4	7.5	13.4	0.0	3.4	4.5	2.2	0.0	1.9	0.0	5.1	0.0	1.2	1.5	1.0
11	0.0	0.5	0.0	0.5	0.0	0.5	0.0	1.9	0.0	2.1	0.0	6.8	11.0	3.6	13.0	2.7	3.0	2.0	0.0	4.6	0.0	1.1	0.0	0.9
12	0.5	0.5	0.0	0.4	48.0	3.3	0.0	1.8	32.0	2.9	4.5	5.5	6.5	3.9	11.0	3.0	26.5	3.4	0.0	4.0	0.0	1.1	0.0	0.9
13	2.5	0.5	0.0	0.5	1.5	3.2	90.5	9.6	0.0	4.8	0.5	5.1	0.0	3.1	14.0	3.6	0.0	3.1	0.5	3.5	0.0	1.1	0.0	0.9
14	0.0	0.5	0.0	0.4	0.0	1.7	7.5	19.1	0.0	2.8	0.0	4.4	4.0	3.0	10.0	3.0	0.0	2.4	0.0	3.2	0.0	1.1	0.0	0.8
15	0.0	0.4	0.0	0.4	12.0	1.9	0.0	7.1	2.5	2.5	0.0	3.9	22.5	4.3	4.0	2.7	0.0	2.1	0.0	3.0	0.0	1.0	0.0	0.8
16	1.5	0.4	0.0	0.4	0.0	1.5	0.0	4.9	17.5	3.8	0.0	3.5	65.0	13.5	13.5	3.1	0.0	1.8	0.0	2.8	0.0	1.0	0.0	0.8
17	0.0	0.4	0.0	0.4	5.5	1.3	0.0	3.9	0.0	3.1	0.0	3.2	0.0	12.1	25.0	5.6	0.0	1.7	0.0	2.6	0.5	1.0	0.0	0.8
18	0.0	0.4	0.0	0.4	16.0	2.2	0.0	3.4	0.0	2.6	0.0	3.0	0.0	6.5	1.5	4.1	9.5	2.2	7.5	2.9	5.0	1.1	0.0	0.8
19	0.0	0.4	0.0	0.4	0.0	1.8	21.5	4.0	0.0	2.2	0.0	2.8	4.0	5.5	18.5	6.9	0.0	1.8	1.5	2.8	0.5	1.2	0.0	0.9
20	0.0	0.4	0.0	0.4	0.0	1.5	0.0	3.7	0.0	1.9	0.0	2.6	0.5	4.9	37.5	10.1	0.0	1.7	0.0	2.4	0.0	1.0	6.5	0.9
21	0.0	0.4	0.0	0.4	0.0	1.3	0.0	3.0	8.0	2.1	0.0	2.4	2.5	4.5	44.5	14.1	58.5	11.0	0.5	2.3	0.0	1.0	0.0	0.8
22	14.0	0.7	0.0	0.4	17.5	1.5	2.0	2.8	1.5	2.1	0.0	2.4	0.0	4.0	0.0	8.1	2.0	4.5	0.0	2.3	0.0	1.0	0.0	0.8
23	0.0	0.6	0.0	0.4	12.5	3.2	0.0	2.5	43.0	4.6	0.0	2.3	0.0	3.7	1.5	6.1	2.0	3.8	0.0	2.1	0.0	0.9	0.0	0.7
24	0.5	0.5	3.0	0.5	0.0	2.1	0.0	2.3	0.0	4.2	15.0	2.4	29.0	5.4	0.0	5.0	15.0	3.5	0.0	2.0	40.0	3.0	0.0	0.7
25	0.0	0.5	0.0	0.4	0.0	1.8	0.0	2.1	0.0	3.0	62.0	8.1	10.0	6.0	21.5	6.4	106.5	21.3	2.5	2.0	0.0	2.9	0.0	0.7
26	0.0	0.5	0.0	0.4	9.5	1.9	0.0	2.0	0.0	2.7	4.0	6.1	0.5	5.0	0.0	4.6	76.0	73.7	0.0	2.0	0.0	1.7	0.0	0.7
27	0.0	0.5	4.0	0.5	23.0	4.2	0.0	1.9	0.0	2.4	0.5	4.2	0.0	4.3	0.5	3.9	0.0	16.8	0.0	1.8	0.0	1.5	0.0	0.7
28	0.0	0.5	4.0	0.8	0.0	2.8	0.0	1.8	9.5	2.2	36.5	8.9	8.5	4.5	0.0	3.5	0.0	10.6	0.5	1.7	0.0	1.3	0.0	0.7
29	0.0	0.4	7.0	0.6	0.5	2.4	5.0	1.8	0.0	2.4	46.5	16.5	12.0	5.0	0.0	3.2	0.0	8.4	0.0	1.6	0.0	1.2	0.0	0.7
30	0.0	0.4			0.0	2.1	23.0	3.7	1.0	2.0	29.0	13.6	2.0	5.0	0.0	2.9	1.0	6.8	0.0	1.4	0.0	1.0	0.0	0.7
31	0.0	0.4			1.0	1.9			0.0	1.9			0.0	4.3	0.0	2.6			0.0	1.4			0.0	0.7
total	33.0	14.7	32.0	13.8	168.5	51.4	197.0	102.4	155.5	81.3	390.5	199.8	202.0	178.1	230.0	134.0	328.0	206.0	71.0	114.6	54.0	39.3	15.5	26.6

HIGASHIYAMA

1989

unit: mm/day

annual precipitation: 2086.0

annual runoff: 1361.8

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	4.5	0.7	2.5	1.3	10.5	4.7	2.5	2.5	1.5	2.5	0.0	3.8	0.0	8.8	6.5	2.3	0.0	1.7	0.0	4.9	17.0	4.6	0.0	1.1
2	1.5	1.0	1.0	1.4	2.0	4.4	0.0	2.3	4.5	2.6	0.0	3.3	0.0	6.9	6.5	2.4	3.5	1.8	0.0	4.5	0.0	3.5	0.0	1.1
3	0.0	0.7	0.0	1.2	0.0	3.7	0.0	2.2	0.0	2.3	0.0	3.0	20.5	8.2	0.0	2.0	84.5	13.8	0.0	4.1	0.0	1.4	0.0	1.1
4	0.0	0.6	0.0	1.2	7.0	3.5	0.0	2.2	0.0	2.2	0.0	2.8	3.5	7.7	0.0	1.8	71.5	37.4	1.0	3.8	0.0	1.3	0.0	1.1
5	0.0	0.6	0.0	1.1	27.5	6.8	0.0	2.1	0.0	2.0	0.0	2.6	0.0	6.1	0.0	1.8	0.0	12.5	0.0	3.5	0.0	1.2	0.0	1.1
6	0.0	0.6	0.0	1.1	0.0	5.4	0.0	2.1	0.0	2.0	8.0	2.8	0.0	5.2	3.5	1.8	69.0	22.3	0.0	3.2	0.0	1.2	0.0	1.0
7	0.0	0.6	0.0	1.0	0.0	4.4	0.0	2.0	15.5	2.5	0.0	2.6	0.0	4.5	7.0	2.2	55.0	38.8	10.0	3.0	17.5	1.7	0.0	1.0
8	24.0	1.3	0.0	1.0	0.0	3.9	1.5	1.8	10.0	3.2	0.0	2.2	0.0	4.0	0.0	1.8	0.5	15.0	4.0	3.5	0.5	2.1	1.0	1.0
9	3.0	1.6	26.5	2.1	0.0	3.5	41.0	6.5	0.0	2.5	21.0	2.9	15.5	3.8	0.0	1.6	0.0	9.0	0.0	2.9	1.5	1.7	0.0	1.0
10	0.0	1.1	0.0	2.1	0.0	3.2	0.0	3.4	0.0	2.3	12.5	3.7	22.5	5.9	0.0	1.4	1.0	7.3	0.0	2.7	0.0	1.7	0.5	1.0
11	0.0	1.0	0.0	1.6	0.0	3.0	0.0	2.9	5.0	2.2	22.0	4.6	0.0	5.2	0.0	1.3	0.0	6.5	1.0	2.8	0.0	1.5	0.0	0.9
12	11.0	1.2	0.0	1.4	0.0	2.8	0.5	2.6	29.0	4.8	1.0	4.2	0.0	4.3	0.0	1.2	0.0	5.7	5.5	3.0	0.0	1.5	0.0	0.9
13	0.0	1.2	0.0	1.3	0.0	2.6	0.0	2.4	17.5	4.6	0.0	3.2	35.0	7.1	0.0	1.2	0.0	5.0	0.0	2.5	0.0	1.5	0.0	0.9
14	0.0	1.0	0.0	1.2	13.0	3.2	0.0	2.2	10.0	5.0	0.0	2.8	7.0	8.0	0.0	1.1	7.0	4.8	0.0	2.2	33.5	4.5	0.0	0.8
15	0.0	0.9	0.0	1.2	0.0	2.8	2.0	1.9	0.5	4.5	1.0	2.5	0.0	0.0	0.0	1.1	11.5	7.3	0.0	2.1	0.0	2.6	24.0	1.8
16	0.0	0.9	0.0	1.1	0.0	2.5	16.5	3.7	0.0	3.7	8.5	2.5	0.0	0.0	0.0	1.1	0.0	4.9	0.0	1.9	5.0	2.2	0.0	1.3
17	0.0	0.8	44.0	4.0	0.0	2.4	2.0	3.4	0.0	3.2	62.5	13.3	32.5	0.0	0.0	1.1	0.0	4.1	23.0	3.1	0.0	2.0	0.0	1.1
18	0.0	0.8	39.0	7.4	0.0	2.2	0.0	2.7	15.0	4.2	0.0	7.4	0.0	0.0	0.0	1.0	0.5	3.8	0.0	2.5	0.0	1.8	0.0	1.0
19	3.0	0.9	1.0	8.2	0.0	2.1	0.0	2.4	0.5	3.3	4.5	5.4	7.5	0.0	0.0	0.9	58.5	18.8	0.0	2.3	0.0	1.7	0.0	0.9
20	23.0	1.4	0.0	5.0	0.0	2.0	0.0	2.2	5.0	3.1	11.0	5.3	0.0	0.0	0.0	0.8	158.5	84.4	21.5	3.9	0.0	1.6	0.0	0.9
21	20.5	4.2	2.0	3.9	0.0	2.0	0.0	2.0	1.5	2.9	0.0	4.3	0.0	0.0	0.0	0.8	0.5	34.5	0.0	2.4	0.0	1.5	0.0	0.9
22	0.0	2.5	1.0	3.3	0.0	1.9	0.0	1.9	0.0	2.7	0.0	3.8	0.5	3.9	0.0	0.8	0.5	17.2	0.0	2.2	0.0	1.5	0.0	0.8
23	7.0	2.0	0.0	2.8	0.0	1.8	0.5	1.9	8.0	2.6	19.5	4.3	0.0	3.6	0.0	0.7	45.0	20.5	0.0	2.2	0.0	1.3	0.0	0.9
24	11.5	2.9	9.5	2.8	0.0	1.8	44.5	6.1	1.5	2.8	38.0	9.2	0.0	0.0	0.0	0.7	0.0	13.3	0.0	2.2	0.0	1.3	0.0	0.8
25	0.0	2.1	14.5	3.7	33.0	5.0	6.5	4.3	0.0	2.4	9.0	11.6	0.0	0.0	0.0	0.7	0.0	7.8	0.0	2.1	0.0	1.2	11.5	1.3
26	0.0	1.8	37.0	8.0	0.0	3.7	0.5	3.4	77.5	12.4	0.0	7.5	5.5	0.0	0.0	0.6	0.5	6.8	0.0	1.9	0.0	1.2	0.0	1.0
27	5.5	1.8	0.0	6.8	1.0	3.3	0.0	3.0	7.0	15.4	0.0	5.7	0.0	0.0	16.5	0.8	0.0	6.0	0.0	1.8	0.0	1.1	0.5	1.0
28	0.0	1.6	0.0	4.9	10.0	3.8	14.0	3.5	0.0	7.9	32.5	8.2	0.0	0.0	90.5	15.9	0.0	5.5	0.0	1.7	0.0	1.1	0.0	0.9
29	0.0	1.4			1.0	3.4	0.0	2.9	0.0	5.7	39.0	21.3	1.0	2.2	0.0	3.9	2.0	5.6	0.0	1.7	5.5	1.4	0.0	0.8
30	0.0	1.4			0.0	3.0	0.0	2.6	0.0	4.9	0.0	11.0	3.0	2.3	0.0	2.8	0.0	5.3	0.0	1.6	0.5	1.2	0.0	0.8
31	0.0	1.3			0.0	2.5			0.0	4.3			0.0	2.2	18.5	3.1			0.0	1.6			0.0	0.8
total	114.5	41.9	178.0	82.1	105.0	101.3	132.0	85.1	209.5	126.7	290.0	167.8	154.0	99.9	149.0	60.7	569.5	427.4	66.0	83.8	81.0	54.1	37.5	31.0