

SHIRASAKA

2000

unit: mm/day

n/a : data not available

annual precipitation: 1956.3

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	0.7	0.0	0.7	0.0	0.6	3.0	2.7	6.5	2.2	26.7	3.0	0.0	7.6	5.7	1.4	9.1	1.0	35.1	n/a	1.1	2.3	0.0	1.7
2	0.0	0.7	0.0	0.7	0.0	0.6	0.0	2.2	0.0	2.0	0.0	2.0	0.0	5.8	0.0	1.4	1.5	0.9	0.5	n/a	6.9	2.4	0.0	1.7
3	0.0	0.7	0.0	0.7	0.0	0.6	0.0	1.9	4.8	2.2	0.0	1.6	0.0	4.8	0.0	1.2	11.3	1.2	16.3	n/a	12.6	3.1	0.0	1.6
4	0.0	0.7	0.0	0.7	0.0	0.6	0.0	1.7	0.0	2.0	2.3	1.5	0.0	4.1	0.0	1.1	0.0	0.8	0.0	n/a	0.4	2.6	0.0	1.6
5	0.0	0.7	0.0	0.7	28.5	1.8	5.5	1.7	0.0	1.7	0.0	1.3	9.4	4.2	0.0	1.1	0.0	0.8	0.0	n/a	0.0	2.3	0.0	1.5
6	0.1	0.7	4.1	0.7	0.0	1.1	3.1	1.7	0.0	1.7	0.0	1.2	0.7	3.5	2.3	1.0	0.0	0.7	0.0	2.7	0.0	2.2	0.0	1.4
7	11.8	0.9	12.5	1.2	0.0	0.9	0.0	1.4	0.0	1.6	0.0	1.1	0.0	3.1	2.3	1.0	2.0	0.8	0.0	2.5	0.0	2.0	0.0	1.4
8	0.0	0.9	0.0	0.8	0.0	0.8	0.0	1.3	11.5	1.8	0.0	1.1	2.6	3.0	11.7	3.4	0.0	0.7	0.0	2.4	0.0	1.9	0.0	1.4
9	0.0	0.8	4.4	0.8	0.2	0.8	0.0	1.3	0.0	1.6	68.1	5.3	0.0	2.6	0.0	1.6	7.3	0.7	5.7	2.3	0.0	1.7	0.0	1.4
10	13.7	0.9	0.0	0.7	0.0	0.8	0.0	1.2	0.0	1.5	10.3	7.8	0.0	2.4	3.1	1.4	0.0	0.7	0.0	2.3	0.0	1.6	0.0	1.3
11	0.0	1.1	0.0	0.7	0.0	0.7	59.4	6.8	0.0	1.4	12.7	3.8	0.0	2.2	38.3	3.9	32.1	1.3	0.0	2.1	0.0	1.7	2.8	1.3
12	0.0	0.8	0.0	0.7	2.3	0.7	0.0	3.6	0.0	1.3	0.5	3.3	2.3	2.1	0.0	2.0	422.0	n/a	0.0	2.0	0.0	1.6	0.0	1.3
13	3.3	0.8	0.0	0.7	0.0	0.7	0.0	2.5	0.0	1.3	3.2	2.8	0.0	2.0	0.0	1.5	4.3	n/a	0.0	1.9	0.0	1.5	0.0	1.3
14	4.4	0.9	0.3	0.7	0.0	0.7	0.0	2.1	0.0	1.3	20.6	3.5	0.4	1.9	1.6	1.3	0.0	n/a	0.0	1.8	0.0	1.5	0.0	1.2
15	0.5	0.8	0.0	0.7	0.0	0.7	5.1	1.9	0.1	1.2	0.0	3.3	6.1	1.9	0.0	1.2	0.0	n/a	0.0	1.7	1.6	1.5	0.0	1.2
16	0.0	0.7	7.0	0.7	11.5	0.7	9.7	2.3	1.9	1.2	0.0	2.7	10.2	2.3	0.0	1.1	11.3	n/a	0.0	1.7	5.5	1.6	0.0	1.2
17	15.6	1.1	3.9	0.7	9.9	1.3	0.0	1.8	2.3	1.2	2.5	2.3	0.0	1.8	3.0	1.2	25.3	n/a	0.0	1.6	8.1	1.5	0.0	1.1
18	0.0	1.0	1.6	0.7	0.0	0.8	0.0	1.7	6.7	1.3	28.1	4.3	0.0	1.6	0.0	1.0	0.5	n/a	0.7	1.6	5.4	1.9	4.6	1.2
19	0.0	0.8	0.0	0.7	0.0	0.8	0.0	1.6	0.0	1.1	0.0	3.4	0.0	1.5	0.0	1.0	0.0	n/a	0.0	1.5	0.0	1.5	7.0	1.3
20	0.2	0.8	5.2	0.7	0.0	0.8	57.8	6.1	6.1	1.2	0.0	2.8	0.0	1.4	0.0	0.9	0.0	n/a	1.3	1.5	4.9	1.4	0.0	1.2
21	0.0	0.8	0.7	1.0	2.3	0.7	0.0	6.4	3.9	1.3	0.4	2.3	0.0	1.4	2.2	0.9	0.0	n/a	29.1	2.7	65.1	11.2	8.3	1.4
22	0.0	0.8	0.0	0.7	0.0	0.7	24.5	5.9	0.0	1.1	0.1	2.2	0.0	1.3	0.0	0.9	0.0	n/a	0.0	1.9	0.0	n/a	0.0	1.3
23	0.0	0.8	0.0	0.7	0.0	0.7	0.0	5.0	0.0	1.0	16.0	2.6	0.0	1.2	0.0	0.8	4.7	n/a	7.0	1.8	0.0	n/a	0.0	1.1
24	17.3	1.4	0.0	0.7	57.6	4.4	0.0	3.8	0.0	1.0	7.3	2.7	0.0	1.1	0.0	0.8	47.1	n/a	29.1	4.4	0.0	2.8	0.8	1.1
25	0.1	1.0	0.1	0.7	3.1	3.5	0.0	3.2	0.0	1.0	39.1	6.6	7.3	1.2	0.0	0.7	0.0	n/a	0.1	2.8	0.0	2.5	0.0	1.0
26	0.0	0.8	0.0	0.6	0.8	2.3	0.5	2.8	0.0	0.9	0.0	6.5	36.5	4.5	0.0	0.7	0.0	n/a	13.7	2.9	0.0	2.3	8.0	1.2
27	0.0	0.8	0.0	0.6	0.0	1.7	9.9	3.0	0.5	0.9	1.3	4.2	0.0	1.9	0.0	0.7	0.0	n/a	0.0	2.4	0.0	2.2	4.8	1.4
28	0.0	0.8	3.8	0.7	0.0	1.4	0.2	2.5	55.3	3.9	45.2	8.5	1.2	1.5	0.0	0.7	0.0	n/a	0.0	2.2	0.0	2.0	0.0	1.4
29	0.0	0.8	0.0	0.6	62.6	9.1	0.0	2.3	0.0	2.5	3.7	11.3	5.0	1.6	0.0	0.6	0.0	n/a	22.6	3.0	0.0	1.9	0.0	1.1
30	0.0	0.7			0.6	5.1	0.0	2.1	0.0	1.6	25.3	11.4	1.0	1.4	20.5	1.9	0.0	n/a	1.6	2.9	0.0	1.8	0.0	1.1
31	0.7	0.7			0.0	3.2			3.2	1.3			7.9	1.5	0.2	0.9			0.0	2.5			0.0	1.1
total	67.7	25.9	43.6	21.0	179.4	49.3	178.7	84.5	102.8	47.3	313.4	116.4	90.6	78.4	90.9	39.3	578.5	n/a	162.8	n/a	111.6	n/a	36.3	40.5

SHIRASAKA

2001

unit: mm/day

n/a : data not available

annual precipitation: 1413.5

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	1.0	18.0	3.5	13.5	2.7	0.0	1.1	0.0	0.8	0.0	0.7	2.0	1.3	0.5	0.4	0.0	2.3	47.5	9.9	0.0	1.3	0.0	1.0
2	0.5	1.0	0.0	2.9	0.5	2.0	0.0	1.1	7.5	0.8	0.0	0.7	0.0	1.2	0.0	0.4	0.0	1.8	0.0	3.7	0.0	1.3	0.0	1.0
3	0.0	1.0	0.0	2.5	0.0	1.6	0.0	1.0	12.5	1.3	0.0	0.6	0.0	1.0	0.0	0.4	19.5	1.9	0.0	2.4	26.0	1.9	0.0	0.9
4	0.0	1.0	0.5	2.3	29.5	4.2	0.0	1.0	0.0	0.9	0.0	0.6	0.0	1.0	0.0	0.4	1.5	2.5	3.0	2.1	0.0	1.9	4.0	1.0
5	4.5	1.0	0.0	2.2	0.5	2.9	0.0	1.0	0.0	0.8	15.0	0.7	0.0	0.9	0.0	0.4	0.0	1.7	3.0	2.1	12.0	1.7	0.0	0.9
6	0.5	0.9	2.5	2.1	0.0	2.3	0.0	0.9	0.0	0.8	12.5	1.2	2.5	0.9	0.0	0.4	0.0	1.5	0.0	1.7	15.5	3.5	5.0	1.0
7	10.0	1.1	1.5	2.0	0.0	2.0	0.0	0.9	0.0	0.7	0.0	0.9	0.0	0.9	16.0	0.8	6.5	1.6	0.0	1.6	0.0	2.3	0.0	0.9
8	8.5	1.6	0.0	1.9	0.0	1.8	0.0	0.9	9.0	0.9	0.0	0.8	0.0	0.8	0.0	0.6	0.0	1.5	0.0	1.5	0.0	2.0	0.0	0.9
9	10.0	1.2	0.0	1.8	1.5	1.7	0.0	0.9	1.0	0.8	0.0	0.7	0.0	0.8	14.5	1.5	0.0	1.4	0.5	1.4	0.0	1.8	0.0	0.8
10	17.0	2.9	0.0	1.7	0.5	1.7	0.0	0.9	0.0	0.7	10.0	0.8	0.0	0.7	32.5	3.1	50.0	4.1	43.5	4.5	0.0	1.6	0.0	0.8
11	0.0	1.8	0.0	1.6	0.0	1.6	0.0	0.9	0.0	0.7	0.0	0.8	0.0	0.7	2.0	1.7	9.5	5.3	1.0	3.0	0.0	1.5	0.0	0.8
12	0.0	1.5	0.0	1.6	0.0	1.5	4.0	1.0	0.0	0.7	0.0	0.7	3.5	0.7	7.0	1.2	0.0	3.0	0.0	2.3	1.5	1.5	0.0	0.8
13	0.0	1.4	0.0	1.5	0.0	1.4	0.0	0.9	0.0	0.6	0.5	0.6	0.5	0.7	6.5	1.0	14.0	2.3	0.0	1.9	0.0	1.4	19.0	1.3
14	0.5	1.3	0.0	1.5	0.0	1.4	4.0	0.9	0.0	0.6	42.0	n/a	0.0	0.6	0.0	0.9	7.0	3.5	0.0	1.7	0.0	1.3	0.5	1.1
15	0.5	1.2	0.0	1.4	2.0	1.4	0.0	0.9	0.0	0.6	21.0	n/a	0.0	0.6	0.0	0.7	0.5	2.4	0.0	1.6	0.0	1.3	0.0	1.1
16	0.5	1.1	0.0	1.4	0.0	1.3	0.0	0.8	0.5	0.6	0.0	2.1	28.5	1.3	0.0	0.7	2.5	2.2	1.5	1.5	0.0	1.2	0.0	1.0
17	2.0	1.2	0.0	1.3	7.5	1.4	0.0	0.8	0.0	0.6	0.0	1.6	1.5	1.0	0.5	0.7	0.0	1.9	46.0	4.2	0.0	1.2	1.0	1.0
18	2.0	1.1	0.0	1.4	5.5	1.6	0.0	0.8	0.0	0.6	0.0	1.3	0.0	0.8	0.0	0.6	0.0	1.7	8.0	3.9	0.0	1.2	0.0	0.9
19	0.0	1.1	0.0	1.3	0.0	1.4	0.0	0.8	0.0	0.6	57.0	3.1	1.5	0.7	0.0	0.6	0.0	1.6	0.0	2.9	0.0	1.1	0.0	0.9
20	0.0	1.1	0.0	1.3	0.0	1.3	0.0	0.8	0.0	0.5	11.0	9.0	0.0	0.7	0.5	0.5	0.0	1.4	0.0	2.4	0.0	1.1	0.0	0.8
21	16.5	1.5	2.0	1.3	0.0	1.3	1.0	0.8	0.0	0.5	1.5	3.7	0.0	0.6	53.5	2.2	0.0	1.3	0.0	2.2	0.0	1.1	7.5	0.9
22	2.0	1.2	0.0	1.3	0.0	1.2	0.5	0.8	4.5	0.6	4.0	3.4	0.0	0.6	97.5	26.2	0.0	1.2	17.5	2.3	0.0	1.1	0.0	0.9
23	0.0	1.2	2.5	1.2	0.0	1.2	0.0	0.8	39.0	1.5	1.0	2.7	0.0	0.6	0.0	4.7	0.0	1.2	1.5	2.7	0.0	1.0	0.0	0.8
24	0.0	1.1	5.0	1.4	0.0	1.2	0.0	0.7	20.0	2.5	5.0	2.5	0.0	0.5	0.0	2.7	0.0	1.1	0.0	2.1	0.0	1.0	0.0	0.8
25	32.0	1.8	0.0	1.2	1.0	1.2	3.5	0.8	0.0	1.4	0.5	2.0	0.0	0.5	0.0	2.0	0.0	1.0	0.0	1.9	0.0	1.0	0.0	0.8
26	10.5	4.5	0.0	1.2	7.0	1.3	0.0	0.7	0.0	1.1	0.0	1.7	2.0	0.5	0.5	1.6	0.0	1.0	0.0	1.7	0.0	0.9	0.0	0.7
27	36.5	9.8	0.0	1.2	0.0	1.1	0.0	0.7	0.5	0.9	0.0	1.5	1.5	0.5	0.0	1.4	0.0	0.9	0.0	1.6	0.5	0.9	0.0	0.7
28	10.0	7.3	25.0	1.7	0.0	1.1	0.0	0.7	0.5	0.8	0.0	1.4	0.5	0.5	0.0	1.2	11.0	1.4	6.0	1.6	0.0	0.9	0.0	0.7
29	4.0	4.4			9.0	1.3	14.5	0.9	0.0	0.7	0.0	1.3	0.0	0.5	0.0	1.1	0.0	1.0	0.0	1.7	9.0	0.9	0.0	0.7
30	0.0	3.4			0.0	1.2	1.0	1.0	4.0	0.8	11.0	1.6	0.0	0.5	34.5	1.6	31.5	1.4	0.0	1.5	7.0	1.3	0.0	0.7
31	0.0	2.8			5.0	1.3			6.0	0.9			0.0	0.5	26.0	5.2			0.0	1.4			3.0	0.8
total	168.0	64.5	57.0	47.7	83.0	50.6	28.5	26.2	105.0	26.3	192.0	n/a	44.0	23.1	292.0	66.9	153.5	57.1	179.0	77.0	71.5	42.2	40.0	27.4

SHIRASAKA

2002

unit: mm/day

annual precipitation: 1332.5

annual runoff: 482.3

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	0.7	0.0	1.4	0.0	1.0	0.0	2.4	6.5	1.8	0.0	1.1	19.5	2.7	0.0	0.8	0.0	0.5	95.5	15.8	16.0	1.3	0.5	0.6
2	0.5	0.7	0.0	1.3	0.0	0.8	0.0	2.0	0.0	1.4	0.0	1.1	5.5	1.7	2.0	0.8	0.0	0.4	0.0	6.4	1.0	1.0	0.0	0.5
3	0.0	0.8	11.5	1.6	0.0	0.8	0.0	1.7	0.0	1.3	0.0	1.0	0.0	1.4	0.0	0.7	0.0	0.4	0.0	2.8	0.0	0.9	0.0	0.5
4	1.0	0.8	0.5	1.4	0.0	0.8	0.0	1.6	11.0	1.7	0.0	1.0	0.0	1.2	0.0	0.7	0.0	0.4	0.0	2.0	0.0	0.8	28.0	1.4
5	2.5	0.9	1.0	1.3	18.0	1.0	0.0	1.5	0.5	1.6	0.0	0.9	0.0	1.1	0.0	0.6	0.0	0.4	0.0	1.7	3.5	0.9	0.0	1.0
6	8.0	0.9	1.5	1.3	28.0	3.9	12.5	1.4	0.0	1.4	0.0	0.9	2.0	1.1	0.0	0.6	54.0	2.9	19.0	1.6	0.0	0.8	0.0	0.8
7	7.0	0.9	0.0	1.2	0.5	2.1	18.0	2.9	12.0	1.6	0.0	0.9	2.0	1.1	0.0	0.5	16.5	3.6	11.0	3.0	0.0	0.8	4.5	0.8
8	4.0	1.1	0.0	1.2	0.0	1.6	0.0	2.0	5.0	1.9	0.0	0.9	0.5	1.0	0.0	0.5	0.0	2.1	3.0	1.9	0.0	0.8	14.5	0.8
9	1.5	0.9	0.0	1.1	0.0	1.3	0.0	1.7	0.0	1.6	0.0	0.8	0.0	0.9	14.5	0.9	0.0	1.1	0.0	1.6	2.5	0.8	8.5	1.2
10	6.0	0.9	0.0	1.1	0.0	1.2	0.0	1.6	22.0	2.0	0.0	0.8	24.5	1.7	0.0	0.6	0.0	0.9	0.0	1.3	0.5	0.8	0.0	0.9
11	3.0	0.9	0.0	1.1	0.0	1.1	10.5	1.6	8.0	3.4	28.5	1.5	0.0	1.2	0.0	0.6	0.0	0.9	0.0	1.2	1.0	0.7	0.0	0.8
12	0.0	1.0	6.5	1.1	0.0	1.1	10.0	2.4	0.0	2.4	2.5	1.5	0.0	1.0	3.5	0.6	7.0	0.9	0.0	1.1	0.5	0.8	0.0	0.8
13	0.0	1.0	0.0	1.1	0.0	1.0	0.5	1.8	0.0	2.0	0.0	1.0	18.5	1.7	0.0	0.6	0.0	0.8	0.0	1.0	0.0	0.7	0.0	0.7
14	0.0	1.0	0.0	1.1	0.5	1.0	0.0	1.6	0.0	1.8	0.0	1.0	0.0	1.3	0.0	0.5	0.0	0.7	0.0	1.0	0.0	0.7	0.0	0.8
15	3.0	1.0	0.0	1.1	11.5	1.4	0.0	1.5	5.0	1.7	5.5	1.1	6.5	1.3	44.5	2.1	0.0	0.7	10.0	1.2	0.0	0.7	0.0	0.8
16	10.0	1.2	0.0	1.2	0.5	1.1	8.5	1.7	7.0	2.1	0.0	0.9	29.0	3.4	0.0	1.2	2.5	0.7	0.0	1.1	0.0	0.6	6.5	0.8
17	0.0	1.1	1.5	1.2	0.0	1.0	20.5	2.6	15.5	2.4	0.0	0.9	9.5	3.0	0.0	0.8	11.0	0.9	0.0	0.9	0.0	0.6	2.0	0.9
18	0.0	1.0	0.0	1.2	0.0	1.0	0.0	2.3	17.5	4.0	15.5	1.5	1.5	2.2	4.5	0.8	0.0	0.7	0.0	0.9	0.0	0.6	0.0	0.7
19	0.0	0.9	1.0	1.3	0.0	0.9	0.0	1.9	3.0	3.0	0.0	1.1	15.0	3.0	4.0	0.9	0.0	0.6	3.5	0.9	0.0	0.6	0.0	0.7
20	0.0	0.9	0.0	1.2	0.0	0.9	0.5	1.8	0.0	2.5	8.5	1.1	0.0	2.3	0.0	0.7	0.0	0.6	23.0	1.2	0.0	0.6	0.0	0.6
21	57.0	7.4	0.0	1.0	0.0	0.9	23.0	2.7	0.0	2.2	0.5	1.0	0.0	1.8	0.0	0.6	0.0	0.6	27.0	3.9	0.0	0.6	38.0	2.0
22	0.5	3.7	0.5	0.9	1.0	1.0	0.0	2.3	0.0	2.0	0.0	0.9	0.0	1.6	0.0	0.6	0.0	0.6	0.0	2.2	0.0	0.6	0.0	1.8
23	0.0	2.3	0.0	0.8	0.0	0.9	0.0	2.0	0.0	1.8	0.0	0.8	0.0	1.5	0.0	0.5	0.0	0.5	0.0	1.6	0.0	0.6	0.0	1.3
24	0.0	1.9	0.0	0.8	0.0	0.9	0.0	1.9	0.0	1.7	2.0	0.8	0.0	1.3	0.0	0.5	0.0	0.5	2.0	1.4	0.0	0.6	0.0	1.1
25	0.0	1.7	0.0	0.9	0.5	0.9	0.5	1.7	0.0	1.5	12.0	1.0	0.0	1.2	0.0	0.5	0.0	0.5	0.0	1.3	13.0	0.8	0.0	1.0
26	7.0	1.6	0.0	0.8	0.0	0.8	0.0	1.6	0.0	1.4	15.0	1.2	0.0	1.1	0.0	0.5	0.0	0.5	0.0	1.2	0.0	0.8	0.0	0.9
27	14.5	2.4	0.0	0.8	26.0	1.8	0.0	1.5	1.0	1.4	2.5	1.4	0.0	1.0	0.0	0.5	1.0	0.5	0.0	1.1	0.5	0.6	2.0	0.9
28	1.0	1.8	14.5	1.3	0.0	1.1	0.0	1.4	0.0	1.3	0.0	1.1	0.0	1.0	0.0	0.4	36.5	1.7	0.0	1.0	0.0	0.6	0.0	0.9
29	1.0	1.6			49.5	2.3	0.0	1.4	0.0	1.2	4.5	1.1	0.0	0.9	0.0	0.4	0.0	0.9	0.0	1.0	0.5	0.6	0.0	0.8
30	0.0	1.5			13.0	9.0	6.5	1.4	0.0	1.1	6.0	1.1	0.0	0.9	0.0	0.4	6.5	0.9	0.0	0.9	0.0	0.6	0.0	0.8
31	1.0	1.4			0.0	3.2			3.0	1.3			0.0	0.8	6.0	0.4			0.0	0.9			0.0	0.8
total	128.5	45.9	38.5	31.8	149.0	47.8	111.0	55.9	117.0	58.5	103.0	31.4	134.0	47.4	79.0	20.8	135.0	27.4	194.0	65.1	39.0	21.9	104.5	28.4