

東京大学演習林

東京大学演習林水文観測・水質分析報告(2021年1月～2021年12月)

附養-1. 新田の日降水量と袋山沢Aの日流出量
Supplementary Table 1. Annual report of hydrological data at Fukuroyamatasawa A in 2021

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	20.6	1.58	11.4	0.38	107.0	47.26	0.18	3.7	0.18	175.1	111.77	2.2	0.47	75.4	34.86
2	0.00	18.4	1.34	0.02	0.16	3.1	0.15	117.2	55.03	1.6	0.04	32.1	1.68	54.4	13.83	0.6	0.39	1.7	2.28					
3	0.00	0.00	0.19	0.5	0.17	0.45	1.0	73.0	24.66	10.7	7.82	0.04	4.8	0.20	3.04	0.17	0.68							
4	0.00	0.00	0.04	0.00	0.00	21.0	46.1	18.07	3.03	0.13	1.65	0.13	1.12	0.25	0.40									
5	0.00	0.00	0.01	1.0	0.00	6.9	0.01	1.90	8.8	0.29	7.8	1.61	1.06	1.12	0.25	0.40								
6	0.00	0.00	0.01	6.9	0.01	0.00	0.00	0.84	2.6	0.23	0.88	0.5	0.98	8.5	0.01	0.35	1.9	0.79	10.6	0.47				
7	0.00	0.00	0.00	0.00	0.15	0.44	18.1	0.17	0.67	1.0	0.61	181.4	0.5	0.21	6.7	0.89	5.6	0.28	46.9	14.39				
8	0.00	0.00	0.00	0.5	0.16	0.23	0.10	0.45	1.0	0.43	1.6	n/a	114.5	73.88	0.78	68.2	21.69	0.6	2.23					
9	0.00	0.00	0.00	0.00	0.00	0.11	0.07	0.34	0.31	1.11	1.18	0.34	0.31	1.11	1.18	0.34	0.31	1.11	1.18	0.34	0.31	1.11	1.18	
10	0.00	0.00	0.00	0.00	0.06	0.07	0.07	0.33	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	
11	0.00	0.00	0.00	0.00	0.05	0.09	0.09	0.33	0.24	1.6	0.80	1.1	1.64	0.81	0.61	1.16	0.55							
12	10.3	0.00	0.00	6.9	0.01	0.05	0.05	0.08	22.2	0.41	0.25	2.0	0.25	4.2	0.66	1.06	10.9	1.16	0.33	0.26	0.26	0.26		
13	0.00	0.00	0.00	88.3	32.72	9.7	0.08	22.2	0.41	0.25	2.0	0.25	4.2	0.66	1.06	10.9	1.16	0.33	0.26	0.26	0.26	0.26		
14	0.00	0.00	0.00	0.00	1.77	13.3	0.29	0.23	8.9	0.32	0.5	0.22	5.3	0.71	2.19	1.04	0.5	1.02	0.25	3.9	0.18	0.18		
15	2.7	0.00	70.3	18.09	0.28	0.18	0.28	0.18	0.28	0.18	0.28	0.18	0.28	0.18	0.28	0.18	0.28	0.18	0.28	0.18	0.28	0.18	0.28	
16	0.00	0.00	0.92	0.11	0.05	14.8	0.22	0.18	0.54	14.3	4.87	1.79	13.3	0.60	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
17	0.00	0.00	0.14	0.04	60.0	5.25	1.1	0.37	0.54	5.8	2.57	0.5	1.05	21.4	3.06	0.06	51.4	13.41	0.07	0.07	0.07	0.07	0.07	
18	0.00	0.00	0.04	0.02	6.7	23.75	0.5	0.13	0.07	0.17	2.7	2.06	66.9	24.08	0.54	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
19	0.00	0.00	0.01	0.5	0.03	0.97	19.5	0.5	0.13	0.07	0.17	2.7	2.06	66.9	24.08	0.54	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
20	0.00	0.00	0.00	0.00	0.03	0.45	20.8	2.82	2.99	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	0.48	
21	0.00	0.00	0.00	92.0	28.86	0.25	11.4	4.24	0.31	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
22	0.00	0.00	0.00	0.5	8.71	1.53	0.61	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	
23	20.4	0.00	0.00	0.89	0.34	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
24	22.4	1.16	0.00	0.34	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	
25	2.0	0.32	0.00	5.1	0.24	0.09	0.17	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
26	1.5	0.00	0.5	0.00	0.07	52.4	12.04	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
27	62.7	13.66	0.00	16.4	0.18	0.13	2.71	2.0	0.04	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	
28	11.5	1.09	0.00	65.3	7.60	7.60	0.74	29.4	2.62	0.13	0.07	1.0	0.21	0.65	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
29	0.5	0.64	0.00	1.76	0.5	8.43	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	
30	0.10	0.10	0.00	0.68	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	
31	0.02	0.02	0.00	0.68	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	
total	134.0	16.99	89.2	20.79	319.7	70.88	183.5	34.44	180.2	45.72	384.2	n/a	279.5	n/a	336.2	165.65	204.97	397.6	184.5	71.83	201.9	75.74	75.74	

annual precipitation at Shinta: 2921.0

annual runoff: n/a

unit: mm/day

n/a : data not available

附養-2. 新田の日降水量と袋山沢Bの日流出量
Supplementary Table 2. Annual report of hydrological data at Fukuroyamawasawa B in 2021

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	0.02	0.28	18.4	2.85	17.7	0.42	0.11	0.68	20.6	2.26	11.4	0.87	107.0	46.98	0.07	0.29	3.7	0.29	175.1	93.33	2.2	n/a	75.4	n/a
2	0.05	0.42	1.20	0.5	0.17	0.40	0.40	0.48	3.1	4.17	1.0	0.56	77.1	50.81	1.6	0.08	32.1	0.97	54.4	11.82	0.6	n/a	1.7	n/a
3	0.04	0.17	0.55	0.07	2.10	0.70	0.07	0.40	0.40	0.80	73.0	20.39	10.7	8.16	0.02	4.8	0.28	0.28	1.6	29.27	n/a	n/a	n/a	n/a
4	0.02	0.55	1.0	0.12	46.1	19.29	0.55	0.40	0.40	0.80	73.0	20.39	10.7	8.16	0.02	4.8	0.28	0.28	1.6	29.27	n/a	n/a	n/a	n/a
5	0.01	0.50	6.9	0.27	3.88	8.8	0.27	3.88	8.8	0.58	7.8	2.23	3.99	2.36	0.02	46.0	13.79	2.24	n/a	n/a	n/a	n/a	n/a	n/a
6	0.00	0.36	6.9	0.27	3.88	8.8	0.27	3.88	8.8	0.58	7.8	2.23	3.99	2.36	0.02	46.0	13.79	2.24	n/a	n/a	n/a	n/a	n/a	n/a
7	0.00	0.27	18.1	0.57	0.90	0.16	0.16	1.56	2.6	0.50	1.48	1.48	0.5	1.50	0.03	0.94	1.9	0.94	1.9	6.7	n/a	n/a	10.6	n/a
8	0.00	0.19	18.1	0.57	0.90	0.16	0.16	1.56	2.6	0.50	1.48	1.48	0.5	1.50	0.03	0.94	1.9	0.94	1.9	6.7	n/a	n/a	10.6	n/a
9	0.00	0.14	0.5	0.94	2.1	0.61	0.61	0.61	0.61	0.49	0.57	0.86	1.0	1.02	86.33	0.5	0.51	0.51	6.7	59.96	5.6	n/a	46.9	n/a
10	0.00	0.12	0.39	0.46	0.46	0.39	0.39	0.46	0.46	0.49	0.57	0.86	1.0	1.02	86.33	0.5	0.51	0.51	6.7	59.96	68.2	n/a	0.6	n/a
11	0.00	0.10	0.10	0.13	0.13	0.10	0.13	0.13	0.13	0.39	0.28	0.28	0.58	0.58	0.44	1.82	1.82	1.82	n/a	n/a	n/a	n/a	n/a	n/a
12	10.3	0.02	0.11	0.29	0.29	0.39	0.29	0.39	0.29	0.29	0.22	0.70	1.6	0.37	1.1	0.93	1.1	0.93	10.9	n/a	n/a	n/a	n/a	n/a
13	0.01	0.08	88.3	39.80	9.7	0.63	22.2	0.63	22.2	0.93	0.20	2.0	0.82	4.2	0.70	0.59	10.9	0.59	10.9	n/a	n/a	n/a	n/a	n/a
14	0.00	0.09	4.45	13.3	1.22	0.5	0.78	1.22	0.5	0.78	8.9	0.27	0.5	0.67	5.3	1.53	21.9	0.52	0.5	n/a	n/a	n/a	3.9	n/a
15	2.7	0.01	70.3	20.91	1.24	1.43	1.43	1.43	1.43	0.54	0.19	0.20	0.41	50.9	9.44	15.5	7.79	7.79	7.79	n/a	n/a	n/a	0.6	n/a
16	0.02	3.37	0.71	0.71	14.8	0.87	0.71	0.71	14.8	0.87	0.20	0.20	14.3	8.96	2.22	13.3	2.22	13.3	n/a	n/a	n/a	n/a	n/a	n/a
17	0.00	0.99	0.45	60.0	6.22	1.1	1.81	6.22	1.1	1.81	0.19	0.19	5.8	7.06	0.5	1.19	0.5	1.19	21.4	n/a	n/a	51.4	n/a	n/a
18	0.00	0.55	0.30	6.7	22.64	0.5	0.96	22.64	0.5	0.96	0.16	0.16	2.7	2.43	66.9	20.02	66.9	20.02	n/a	n/a	n/a	n/a	n/a	n/a
19	0.00	0.38	0.5	0.26	1.91	19.5	3.39	1.91	19.5	3.39	20.3	0.44	0.17	0.17	0.99	1.1	8.76	7.1	8.76	n/a	n/a	n/a	n/a	n/a
20	0.00	0.30	0.23	0.23	0.96	20.8	4.07	0.96	20.8	4.07	22.3	2.86	0.21	0.21	0.36	0.5	1.90	2.4	1.90	n/a	n/a	n/a	n/a	n/a
21	0.00	0.27	92.0	28.18	0.61	11.4	6.48	0.61	11.4	6.48	0.59	0.59	0.20	0.20	0.28	1.00	1.00	2.4	n/a	n/a	7.7	n/a	n/a	n/a
22	0.00	0.22	0.5	10.73	0.45	4.7	3.41	0.45	4.7	3.41	0.30	0.30	0.21	0.21	0.28	1.00	1.00	2.4	n/a	n/a	94.5	n/a	n/a	n/a
23	20.4	0.04	1.84	0.91	0.33	0.5	1.60	0.33	0.5	1.60	0.21	0.21	0.09	0.09	0.28	0.39	0.39	0.5	0.39	n/a	n/a	n/a	n/a	n/a
24	22.4	2.48	0.12	0.91	0.33	0.5	1.60	0.33	0.5	1.60	0.17	0.17	0.08	0.08	0.28	0.32	0.32	0.5	0.32	n/a	n/a	n/a	n/a	n/a
25	2.0	1.15	0.11	0.62	0.30	0.52	0.52	0.30	0.52	0.52	0.14	0.14	0.07	0.07	0.28	0.28	0.28	18.0	0.28	n/a	n/a	10.8	n/a	n/a
26	1.5	0.33	0.5	0.69	0.26	0.35	0.35	0.26	0.35	0.35	0.12	0.12	5.7	0.07	0.51	0.26	0.26	31.8	0.26	n/a	n/a	n/a	n/a	n/a
27	62.7	17.85	0.09	0.52	0.27	52.4	12.74	0.27	52.4	12.74	4.1	0.07	54.8	4.27	0.67	0.24	6.4	6.4	6.4	n/a	n/a	n/a	n/a	n/a
28	11.5	2.30	0.08	0.67	16.4	6.7	5.77	0.29	6.7	5.77	2.0	0.10	0.45	0.45	0.47	0.22	1.6	1.6	1.6	n/a	n/a	n/a	n/a	n/a
29	0.5	1.61	65.3	39.81	70.6	7.57	1.95	7.57	1.95	1.95	29.4	2.08	0.18	0.18	0.43	1.0	0.27	1.6	0.27	n/a	n/a	n/a	n/a	n/a
30	0.63	89.2	2.65	0.5	9.95	1.02	9.95	2.65	0.5	9.95	0.63	0.63	6.7	0.13	0.35	18.1	0.51	0.5	0.51	n/a	n/a	5.7	n/a	n/a
31	0.36	1.19	1.19	1.19	1.19	0.71	0.71	1.19	0.71	0.71	0.08	0.08	0.08	0.08	0.46	11.7	11.7	11.7	11.7	n/a	n/a	n/a	n/a	n/a
total	134.0	26.95	89.2	34.48	319.7	138.74	230.5	85.91	183.5	61.14	180.2	45.74	384.2	221.52	129.30	336.2	138.30	397.6	397.6	184.5	184.5	201.9	201.9	201.9

annual runoff: n/a

292.10

annual precipitation at Shinta:

n/a : data not available

unit: mm/day

2021

FUKUROYAMASAWA B

東京大学演習林
東京大学演習林水文観測・水質分析報告(2021年1月～2021年12月)

附養-3. 新田の日降水量と袋山沢Cの日流出量
Supplementary Table 3. Annual report of hydrological data at Fukuroyamawasawa C in 2021

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	0.00	0.00	0.00	0.09	0.09	0.00	0.00	0.45	20.6	1.92	11.4	0.46	107.0	53.48	0.43	3.7	0.30	175.1	n/a	18.58	2.2	0.55	75.4	n/a
2	0.00	18.4	1.66	17.7	0.04	0.29	3.1	3.29	3.1	3.29	0.20	77.1	59.98	1.6	0.30	32.1	1.58	54.4	18.58	0.6	0.42	1.7	2.66	
3	0.00	0.00	0.55	0.5	0.07	0.23	0.23	0.23	0.23	0.23	1.0	0.12	117.2	130.46	1.6	0.22	8.0	1.05	1.6	n/a	0.6	0.31	1.13	
4	0.00	0.00	0.25	0.00	0.00	0.45	0.45	0.45	0.45	0.47	73.0	22.95	10.7	10.96	0.30	4.8	0.48		2.35	0.21			0.69	
5	0.00	0.15	1.0	6.9	0.07	19.59	19.59	46.1	3.29	8.8	7.8	8.29	5.47	5.47	0.41	46.0	16.65		0.61	0.12			0.42	
6	0.00	0.10	0.10	6.9	0.07	3.29	8.8	0.40	3.29	8.8	7.8	1.87	3.36	3.36	0.19	2.22	2.22		0.61	0.12			0.31	
7	0.00	0.00	0.07	0.03	0.03	1.27	2.6	0.22	2.6	0.22	1.14	1.14	0.5	2.13	8.5	0.22	0.82	1.9	0.38	0.10			0.39	
8	0.00	0.04	18.1	0.31	0.31	0.74	0.20	0.16	0.20	0.16	1.24	1.6	1.59	181.4	n/a	0.5	0.45	6.7	0.31	5.6			18.34	
9	0.00	0.03	0.5	0.57	0.57	2.1	0.47	0.16	0.47	0.16	0.40	1.0	1.24	1.6	7.55	114.5	n/a	0.20	0.20	68.2			3.26	
10	0.00	0.00	0.02	0.10	0.10	0.29	0.08	0.08	0.29	0.08	0.24	0.24	0.89	0.89	2.07	9.31	9.31		0.14	0.00			1.35	
11	0.00	0.00	0.03	0.03	0.03	0.20	0.06	0.06	0.20	0.06	0.18	0.18	0.66	0.66	1.10	1.69	1.69		0.14	0.10			0.80	
12	10.3	0.00	0.03	6.9	0.03	0.15	0.05	0.05	0.15	0.05	0.13	0.13	0.54	1.6	0.76	1.1	0.81		0.10	0.34			0.58	
13	0.00	0.00	0.02	88.3	38.95	9.7	0.18	22.2	0.27	0.27	0.12	2.0	0.57	4.2	0.65	0.50	10.9	0.16	0.16	0.54			0.39	
14	0.00	0.00	0.01	0.01	3.67	13.3	0.39	0.39	0.5	0.28	8.9	0.15	0.5	0.61	5.3	0.70	2.9	0.50	0.5	0.19			0.33	
15	2.7	0.00	70.3	21.91	0.89	0.89	0.31	0.31	0.89	0.08	0.12	0.12	0.50	50.9	10.40	15.5	7.50	0.10	0.10	0.18			0.27	
16	0.00	0.00	2.88	0.47	0.47	0.14	14.8	0.22	0.22	0.22	0.07	0.07	0.51	14.3	7.42	1.18	1.18	13.3	0.11	0.15			0.20	
17	0.00	0.00	0.77	0.25	0.25	60.0	5.32	1.1	0.49	0.05	0.05	0.05	0.37	5.8	4.82	0.5	0.54	21.4	2.34	0.13			17.51	
18	0.00	0.00	0.34	0.12	0.12	6.7	24.12	0.5	0.18	0.03	0.03	0.03	0.29	2.7	2.91	66.9	20.47	0.73	0.13				2.24	
19	0.00	0.19	0.5	0.5	0.06	1.55	19.5	1.74	0.38	1.74	20.3	0.38	0.31	0.31	1.55	1.1	8.01	7.1	0.31	0.14			0.98	
20	0.00	0.00	0.12	0.04	0.04	0.69	20.8	3.13	0.69	20.8	22.3	3.14	0.31	0.99	0.5	1.74	2.4	0.46	0.46	0.15			0.62	
21	0.00	0.00	0.06	92.0	29.52	0.43	11.4	5.60	0.43	11.4	0.46	0.46	0.27	0.27	0.68	0.75	0.75	0.17	0.17	0.23			0.46	
22	0.00	0.00	0.02	0.5	10.19	0.29	4.7	2.62	0.29	4.7	0.20	0.20	0.26	0.26	0.59	0.47	31.8	3.68	0.17	7.7			0.39	
23	20.4	0.00	0.00	1.41	1.41	0.20	0.5	1.13	0.20	0.5	0.17	0.17	0.26	0.26	0.51	0.28	0.5	2.30	6.80	33.65			0.35	
24	22.4	0.76	0.00	0.64	0.64	0.16	0.16	0.58	0.16	0.16	0.13	0.13	0.26	0.26	0.46	0.17	0.17	0.58	1.56	6.80			0.32	
25	2.0	0.26	0.00	5.1	0.43	0.15	0.43	0.33	0.15	0.33	0.12	0.12	0.21	0.21	0.51	0.11	18.0	0.49	0.79	10.8			0.40	
26	1.5	0.06	0.5	0.00	0.29	0.10	0.10	0.16	0.10	0.16	0.14	0.14	5.7	0.20	0.45	0.09	31.8	16.79	0.48	0.48			0.25	
27	62.7	15.80	0.00	0.00	0.15	0.08	52.4	12.47	0.08	52.4	4.1	0.16	54.8	7.18	0.37	0.08	6.4	2.50	0.31	0.31			0.22	
28	11.5	1.59	0.00	16.4	0.23	0.06	0.06	4.14	0.06	4.14	2.0	0.18	0.86	0.86	0.35	0.06	1.6	1.58	0.21	0.21			0.20	
29	0.5	1.04	0.00	65.3	48.90	70.6	7.57	1.06	7.57	1.06	29.4	3.25	0.36	0.36	0.33	1.0	0.05	0.84	0.18	0.18			0.18	
30	0.32	0.32	0.32	2.34	2.34	0.5	9.54	0.52	0.5	9.54	0.80	0.80	6.7	0.44	0.31	18.1	0.21	0.5	0.50	5.7			0.17	
31	0.15	0.15	0.15	0.87	0.87	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.36	0.36	0.28	11.7	11.7	0.69	0.69	0.16			0.21	
total	134.0	19.98	89.2	29.34	319.7	140.67	230.5	78.70	183.5	43.51	180.2	46.51	384.2	284.90	279.5	n/a	336.2	n/a	397.6	n/a	184.5	51.76	201.9	n/a

annual precipitation at Shinta: 2921.0

annual runoff: n/a

unit: mm/day

2021

n/a : data not available

附表-4. 東郷ダムの日降水量と丸山沢の日流出量
Supplementary Table 4. Annual report of hydrological data at Maruyamazawa in 2021

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	n/a	n/a	n/a	n/a	1.0	n/a	n/a	n/a	n/a	6.0	n/a	n/a	3.47	1.00	2.5	0.57	n/a	n/a	3.0	2.37	n/a	0.93	n/a	n/a
2	n/a	n/a	2.0	n/a	20.5	n/a	n/a	n/a	n/a	0.5	n/a	n/a	3.10	0.94	0.89	0.60	n/a	n/a	11.5	1.79	n/a	0.85	n/a	n/a
3	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.0	n/a	5.5	n/a	n/a	n/a	0.89	0.89	0.59	n/a	n/a	2.30	7.5	n/a	0.80	15.0	n/a
4	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16.5	n/a	0.5	n/a	2.06	2.06	0.86	4.5	0.55	n/a	n/a	12.0	1.82	n/a	0.81	0.5	n/a
5	n/a	n/a	n/a	n/a	8.5	n/a	n/a	2.0	n/a	0.5	n/a	44.0	5.84	0.83	5.5	0.61	n/a	n/a	8.0	1.84	n/a	0.75	n/a	n/a
6	n/a	n/a	1.0	n/a	3.0	n/a	n/a	n/a	n/a	n/a	n/a	6.48	6.48	0.89	0.89	0.57	n/a	n/a	0.5	2.43	n/a	0.71	n/a	n/a
7	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.28	5.28	0.87	0.87	0.54	n/a	n/a	n/a	2.36	n/a	0.67	n/a	n/a
8	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	4.47	4.47	0.87	0.87	0.52	n/a	n/a	0.5	1.94	n/a	0.67	n/a	n/a
9	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	5.0	n/a	n/a	3.81	0.84	3.0	0.52	15.0	n/a	n/a	1.79	20.0	0.65	n/a	n/a
10	n/a	n/a	n/a	n/a	1.5	n/a	n/a	n/a	n/a	6.0	n/a	n/a	3.25	0.78	53.0	0.55	n/a	n/a	n/a	1.69	26.0	0.80	n/a	n/a
11	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	6.5	n/a	n/a	2.78	0.76	3.5	2.03	n/a	n/a	30.0	1.66	16.5	n/a	n/a	n/a
12	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.40	2.40	0.77	1.5	0.95	25.5	n/a	n/a	4.41	n/a	n/a	2.5	n/a
13	2.5	n/a	n/a	n/a	n/a	n/a	n/a	6.5	n/a	n/a	n/a	2.19	2.19	0.75	0.68	9.0	n/a	n/a	n/a	2.76	n/a	n/a	n/a	n/a
14	2.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.01	2.01	0.72	0.61	n/a	n/a	n/a	n/a	2.16	n/a	n/a	0.5	n/a
15	n/a	n/a	7.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.85	1.85	0.69	n/a	n/a	n/a	n/a	2.0	1.91	5.0	n/a	3.0	n/a
16	1.5	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	16.0	n/a	n/a	1.75	0.67	n/a	n/a	n/a	n/a	8.0	1.85	0.5	n/a	n/a	n/a
17	n/a	n/a	n/a	n/a	0.5	n/a	n/a	15.5	n/a	26.0	n/a	n/a	1.62	0.65	n/a	n/a	n/a	n/a	9.0	1.80	0.5	n/a	1.5	n/a
18	n/a	n/a	n/a	n/a	1.0	n/a	n/a	26.5	n/a	n/a	n/a	1.52	1.52	0.63	15.5	n/a	15.0	n/a	n/a	2.82	0.5	n/a	0.5	n/a
19	n/a	n/a	0.5	n/a	n/a	n/a	n/a	0.5	n/a	n/a	n/a	1.44	1.44	0.61	0.5	n/a	n/a	n/a	n/a	2.33	5.0	n/a	n/a	n/a
20	n/a	n/a	4.5	n/a	n/a	n/a	n/a	n/a	n/a	2.5	n/a	1.38	1.38	0.60	n/a	n/a	n/a	n/a	21.0	2.12	7.5	n/a	n/a	n/a
21	n/a	n/a	n/a	n/a	11.5	n/a	n/a	n/a	n/a	3.0	n/a	1.84	1.84	0.60	n/a	n/a	n/a	n/a	14.5	3.81	n/a	n/a	3.5	n/a
22	n/a	n/a	n/a	n/a	0.5	n/a	n/a	3.5	n/a	n/a	n/a	1.40	1.40	0.61	n/a	n/a	2.0	n/a	n/a	6.26	13.5	n/a	n/a	n/a
23	n/a	n/a	2.5	n/a	n/a	n/a	n/a	n/a	n/a	0.5	n/a	1.27	1.27	0.62	1.0	n/a	n/a	0.54	n/a	3.58	3.5	n/a	n/a	n/a
24	n/a	n/a	0.5	n/a	n/a	n/a	n/a	n/a	n/a	0.5	n/a	1.17	1.17	0.61	2.0	n/a	6.0	1.45	n/a	2.09	n/a	n/a	n/a	n/a
25	n/a	n/a	n/a	n/a	n/a	n/a	n/a	9.5	n/a	4.5	n/a	1.14	1.14	0.83	3.0	n/a	n/a	1.58	1.76	n/a	n/a	n/a	n/a	n/a
26	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.5	n/a	n/a	n/a	1.10	1.10	0.69	0.5	n/a	n/a	1.46	1.53	1.5	n/a	n/a	n/a	n/a
27	2.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1.05	1.05	0.62	1.5	n/a	n/a	1.47	1.35	6.0	n/a	n/a	n/a	n/a
28	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.5	n/a	1.00	1.00	0.61	4.5	n/a	n/a	1.49	7.0	1.20	n/a	n/a	n/a	n/a
29	1.5	n/a	n/a	n/a	6.5	n/a	n/a	1.5	n/a	12.0	n/a	0.96	0.96	0.60	n/a	n/a	n/a	1.47	3.5	1.17	n/a	n/a	n/a	n/a
30	0.5	n/a	n/a	n/a	n/a	n/a	n/a	53.0	n/a	7.5	n/a	0.94	0.94	0.60	n/a	n/a	26.5	1.46	1.19	n/a	n/a	n/a	n/a	n/a
31	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.5	n/a	n/a	n/a	0.59	2.5	n/a	n/a	n/a	n/a	1.03	n/a	n/a	0.5	n/a
total	11.0	n/a	40.5	n/a	55.0	n/a	140.5	n/a	107.0	n/a	66.0	n/a	20.0	22.60	99.0	n/a	99.0	n/a	130.5	69.12	115.5	n/a	61.5	n/a

annual precipitation at Togo Dam: 945.5

annual runoff: n/a

n/a : data not available

unit: mm/day

2021

MARUYAMAZAWA

附表-5. 白坂の日降水量と白坂本谷の日流出量
Supplementary Table 5. Annual report of hydrological data at Shirasaka hontani in 2021

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	0.85		0.94		0.71		2.91	20.0		n/a		3.92	23.0		3.80		2.87		3.69	0.5		3.31		1.92	33.0		4.31
2	4.0	0.84	12.5	1.33	46.5	3.31		2.60	5.0		n/a		3.67	76.0		23.57		2.43		3.66			3.00		1.83		2.44	
3		0.81		1.02		2.01		2.37			4.41	0.5		3.41	51.5		29.23	2.5	2.33	23.5	4.53		2.80		1.75		2.13	
4		0.78		0.96	0.5	1.49		3.10		3.81	54.0		9.18	3.5	11.70		2.16		2.16	22.0	5.50		2.68		1.69		1.96	
5		0.76		0.92	12.5	1.62		3.55	51.5		8.21		6.14	4.0	8.23		2.05		2.05	2.5	5.24		2.56		1.63		1.82	
6		0.75		0.88		1.61		2.68	1.0	9.26	0.5		4.70	7.0	7.45		1.95		1.95	17.0	5.28		2.42	0.5	1.59	7.5	1.92	
7		0.72		0.86		1.36		2.59	4.0	6.14			4.07	23.5	8.65		1.84		1.84	4.07			2.35		1.59	27.0	2.78	
8		0.70		0.83	7.5	1.56		2.25		5.12			3.63	21.5	9.04		1.74		1.74	1.5	3.72		2.27		1.52	3.0	3.23	
9		0.68		0.80		1.31		2.08		4.44			3.31	42.5	20.11		3.30		3.30	45.5	10.66		2.18	30.5	3.03		2.54	
10		0.69		0.79		1.21		1.95		3.87			3.05	3.5	15.08	0.5	2.45		5.84		5.84		2.08		2.03		2.29	
11		0.70		0.78		1.14		1.87		3.53			2.86		10.09		2.00		4.75		4.75		2.00		1.79		2.12	
12	3.5	0.80		0.76	20.0	1.62		1.78		3.27			2.71	35.0	14.89	14.0	2.57		4.14		92.5	17.04	0.5	1.87		1.99		
13	0.5	0.74		0.76	24.5	3.81		19.5		3.06	2.5		2.69		11.50	108.0	17.69		3.68		17.0	15.72		1.58		1.84		
14		0.73		0.75		2.68		2.93		2.86	19.0		3.66	6.0	8.64	54.5	30.59	3.0	3.49			6.79		1.51		1.74		
15		0.72	28.0	1.81		2.01		2.20		2.68			2.78	8.0	7.81	30.0	23.06	0.5	3.32			5.01		1.47		1.66		
16	0.5	0.71	0.5	1.22		1.80		2.01		2.5	2.65	1.5	2.59	0.5	6.83	18.5	12.81		3.06		5.0	4.16		1.42	2.5	1.61		
17		0.69		1.02		1.64		1.64	84.0		3.60	7.0	2.78		5.94	13.0	11.22	20.0	3.26	0.5	3.86		1.38	24.5	3.16			
18		0.67	4.0	0.98		1.50		n/a	14.0	3.34	0.5	2.54		5.30	7.0	9.85	45.0	11.12			3.37		1.35		2.15			
19		0.66		0.93		1.40		n/a	5.5	3.52	72.0		11.88		4.79	55.0	22.63	4.0	6.33	5.5		n/a		1.32	0.5	1.95		
20		0.64		0.90	2.0	1.34		4.48	27.5	4.01		8.31		4.53	27.0	16.86		4.98	0.5		n/a		1.29		1.84			
21		0.65		0.87	54.5	6.05		3.70	129.0	63.13		4.98		4.09	2.5	14.47	2.0	4.36			2.76		1.28		1.75			
22		0.65		0.84		4.51		3.23		15.61		4.10		3.75	21.0	12.08	25.5	5.60			2.63	57.5	6.31		1.66			
23	19.0	1.04		0.81		2.93		2.92		9.46		3.62	0.5	3.53	8.0	10.95		5.30			2.44		3.74		1.58			
24	11.5	1.43		0.77		2.38		2.71		7.34		3.26	11.0	3.61	0.5	8.66		4.30			2.36		2.53	7.0	1.62			
25		1.09		0.75	1.5	2.18		2.50		6.20	2.0	3.12		3.57	0.5	7.39		3.84	10.5	2.48		2.19	1.5	1.75				
26	4.5	0.93	0.5	0.76		1.94		2.29		5.42		2.89		3.21		6.43	30.5	5.76	11.0	3.19	0.5	2.00		1.53				
27	18.5	2.34		0.72		1.79		2.19	42.0	8.97		2.72		3.01		5.62		4.90			2.46		1.81		1.50			
28		1.39		0.72	65.5	4.58		2.34		6.81	0.5	2.56		2.75		5.00		4.17			2.26		1.68	2.0	1.47			
29	0.5	1.19			1.0	10.90	73.5	11.53		5.48	9.0	2.85	0.5	2.45		4.57		3.73			2.11		1.59		1.43			
30	0.5	1.06				4.53		8.86		4.74	3.0	2.49	0.5	2.45		4.22	0.5	3.52			2.03		1.52		1.40			
31		0.99				3.45				4.27		18.0		3.28		3.92					2.01		58.01		1.43			
total	63.5	27.40	45.5	25.48	236.0	80.37	231.5	n/a	32.10	n/a	172.0	120.47	336.0	n/a	393.0	255.71	248.5	145.80	144.0	144.0	n/a	90.5	58.01	113.5	62.60			

annual precipitation at Shirasaka: 2395.0

annual runoff:

n/a : data not available

unit: mm/day

2021

SHIRASAKA HONTANI

附表-6. 青野の日降水量と樹蒸2号求の日流出量
Supplementary Table 6. Annual report of hydrological data at Jyugei 2gosawa in 2021

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	1.71	1.70	2.14	1.91	1.0	1.44	3.65	3.21	31.0	10.37	6.50	190.0	39.25	3.17	6.0	3.14	4.26	0.5	37.5	4.61	2.35	63.5	n/a	
2	1.70	1.70	1.99	1.42	1.46	0.5	2.95	2.95	0.5	11.52	5.79	163.0	71.30	6.0	12.5	3.31	6.56	23.5	5.02	3.57	2.31	n/a	n/a	
3	1.70	1.71	1.36	1.38	25.0	1.46	3.34	3.34	14.0	7.68	84.0	17.36	1.5	34.38	3.12	2.0	4.66	2.0	3.24	3.5	2.33	n/a	n/a	
4	1.70	1.71	1.35	1.46	20.0	1.62	3.73	3.73	10.0	6.59	5.5	12.34	2.0	20.18	3.03	0.5	4.31	0.5	3.11	3.11	2.28	n/a	n/a	
5	1.71	1.71	1.39	1.39	5.5	1.62	3.50	3.50	6.5	5.66	9.83	12.23	12.0	15.17	2.98		4.08		3.17	6.0	2.20	n/a	n/a	
6	1.65	1.71	1.37	1.42	1.42	1.42	3.21	3.21	0.5	5.23	8.23	1.5	10.37	52.5	6.30	3.76	3.5	3.16	0.5	3.07	6.0	2.24	1.0	
7	1.62	1.79	1.31	1.47	5.0	1.47	2.93	2.93	0.5	4.85	6.97	9.00	7.5	3.83	34.5	5.23	3.00	62.0	3.00	6.24	8.0	n/a	n/a	
8	1.79	1.80	1.27	1.32	1.40	1.40	2.69	2.69	0.5	4.40	6.08	8.07	3.28	4.15	2.93	4.15	2.79	2.79	2.79	2.79	2.79	n/a	n/a	
9	1.80	1.84	1.35	1.35	1.35	1.35	2.55	2.55	1.0	4.12	5.49	7.31	0.5	3.10	3.92	2.84	3.92	2.84	2.84	2.84	2.84	n/a	n/a	
10	2.00	2.00	1.38	1.52	10.5	1.52	2.48	2.48	1.5	3.85	5.08	6.62	41.0	5.75	2.5	3.86	2.5	3.86	2.83	2.24	2.24	n/a	n/a	
11	2.07	2.07	1.39	1.39	36.5	3.36	3.35	3.35	4.5	3.84	4.77	17.0	6.42	8.5	5.22	0.5	3.83	1.0	2.73	2.15	2.15	n/a	n/a	
12	2.13	2.13	1.41	1.84	15.0	1.84	4.82	4.82		3.66	4.49	1.5	5.91	5.5	4.89	3.0	3.72	3.0	2.71	0.5	2.15	1.0	n/a	
13	2.15	2.15	8.48	1.57	1.57	1.57	3.51	3.51		3.52	4.26	9.0	5.52	69.0	15.00	5.0	3.80	3.80	2.68	2.14	2.14	n/a	n/a	
14	2.22	2.22	2.37	1.51	1.51	1.51	3.25	3.25	1.0	3.44	5.12	4.86	24.5	17.89	3.44	3.44	3.44	3.44	3.44	3.44	3.44	2.15	2.15	
15	2.07	2.07	1.73	1.45	89.5	1.45	9.33	9.33	6.0	3.59	5.20	4.63	16.0	14.43	6.0	3.60	6.0	3.60	3.5	2.89	n/a	n/a	n/a	
16	2.01	2.01	1.55	1.43		1.43	18.29	18.29	6.5	3.55	4.55	4.43	6.0	11.64	47.5	7.31	7.31	7.31	2.49	n/a	n/a	n/a	n/a	
17	2.05	2.05	1.50	1.42		1.42	10.34	10.34	44.5	6.84	8.09	4.25	26.0	11.51	0.5	5.83	14.0	2.77	n/a	n/a	n/a	n/a	n/a	
18	1.75	1.75	1.48	1.44		1.44	7.66	7.66	37.5	8.13	9.5	13.63	4.07	10.5	11.56	4.91	4.91	4.91	2.65	n/a	n/a	n/a	n/a	
19	1.33	1.33	1.52	7.55	83.5	7.55	6.12	6.12	35.0	16.13	9.60	3.94	4.5	10.70	4.59	4.59	4.59	4.59	2.45	4.0	n/a	n/a	n/a	
20	1.41	1.41	1.51	0.5	0.5	4.28	5.18	7.0	19.61	13.74	7.93	3.83	8.5	9.61	8.5	4.49	8.5	4.49	3.0	2.47	44.5	n/a	n/a	
21	1.58	1.58	1.45	2.59	0.5	2.59	4.50	4.50	2.5	10.63	6.91	3.73	8.44	8.44	5.5	4.55	4.55	4.55	2.41	n/a	n/a	n/a	n/a	
22	1.76	1.76	1.38	2.16	0.5	2.16	4.10	4.10	2.5	8.67	6.16	3.59	n/a	7.59	4.13	4.13	4.13	4.13	2.35	n/a	n/a	2.0	n/a	
23	1.45	1.45	1.36	2.03	0.5	2.03	3.85	3.85		8.67	5.65	3.44	6.87	6.87	3.92	15.5	3.92	15.5	2.52	n/a	n/a	5.5	n/a	
24	1.39	1.39	1.44	1.89		1.89	3.46	3.46		7.14	5.24	3.38	3.38	6.21	3.71	2.0	3.71	2.0	2.71	n/a	n/a	n/a	n/a	
25	3.53	3.53	1.36	1.78		1.78	3.28	3.28	69.0	13.21	1.0	4.92	12.5	5.71	3.63	3.63	3.63	3.63	2.47	n/a	n/a	n/a	n/a	
26	1.91	1.91	1.34	3.29	58.0	3.29	3.58	3.58		14.01	5.0	4.65	3.51	5.33	3.50	0.5	3.50	0.5	2.36	n/a	n/a	n/a	n/a	
27	6.0	6.0	2.34	11.74	81.5	9.38	9.38	11.74	81.5	9.38	24.5	5.22	4.5	4.99	0.5	3.38	4.99	0.5	2.28	n/a	n/a	n/a	n/a	
28	2.08	2.08	5.21	5.21	1.0	11.80	11.80	5.21	1.0	9.09	1.0	4.48	4.5	3.45	4.70	2.5	3.48	4.70	2.26	5.5	n/a	n/a	n/a	
29	2.12	2.12	48.92	78.65	280.5	78.65	155.40	155.40	278.0	247.87	263.0	370.77	311.0	210.88	129.49	103.5	87.50	126.5	141.0	n/a	n/a	n/a	n/a	
total	92.0	58.28	113.5	48.92	252.0	78.65	280.5	155.40	278.0	247.87	263.0	467.0	370.77	311.0	210.88	129.49	103.5	87.50	126.5	141.0	n/a	n/a	n/a	n/a

annual precipitation at Aono: 2598.5

annual runoff: n/a

unit: mm/day

2021

n/a : data not available

附表-7. 青野の日降水量と樹蒸3号求の日流出量
Supplementary Table 7. Annual report of hydrological data at Jyugei 3gosawa in 2021

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		0.78	0.51	1.0	1.09	1.0	1.09	3.41	31.0	13.79	n/a	190.0	87.90	1.14	0.5	2.26	37.5	3.62	37.5	3.62	0.75	63.5	10.26	
2		0.77	0.89	1.70	1.21	2.88	0.5	16.92	0.5	16.92	n/a	163.0	201.38	1.21	22.5	3.71	1.89	1.89	1.89	1.89	0.72	63.5	1.85	
3		0.79	0.46		0.47	0.5	2.55	2.55	10.39	8.30	3.0	57.5	107.57	1.51	23.5	6.81	6.81	6.81	6.81	6.81	0.68	1.38	1.38	
4		0.66	0.50	0.49	0.39	25.0	0.39	3.26	8.18	14.0	84.0	1.5	45.13	1.14	2.0	3.10	3.10	3.10	3.10	3.10	3.5	0.93	1.19	
5		0.58	0.49	7.5	0.51	20.0	0.51	8.18	14.0	6.92	n/a	2.0	22.62	0.99	0.5	2.54	2.54	2.54	2.54	2.54	0.70	1.12	1.07	
6		0.84	0.48	5.5	0.72	4.33	10.0	7.42	4.33	7.42	5.5	n/a	12.59	0.91		2.25	2.25	2.25	2.25	2.25	0.81	1.02	1.12	
7		0.66	0.45	0.45	0.95	0.95	0.95	3.64	6.5	5.99	n/a	n/a	8.76	1.31		2.04	2.04	2.04	2.04	2.04	6.0	1.03	1.03	
8		0.46	0.39	5.0	0.92	3.21	0.5	5.74	3.21	5.74	n/a	1.5	7.22	52.5	6.01	1.90	3.5	1.30	3.5	1.30	0.5	0.82	1.29	
9		0.48	0.41		0.41	2.85	0.5	6.26	0.5	6.26	n/a	n/a	6.04	7.5	1.98	4.62	4.62	4.62	4.62	4.62	62.0	7.95	0.97	
10		0.74	0.54		0.37	2.54	0.37	5.46	2.54	5.46	n/a	5.10	5.10	1.26		2.58	2.58	2.58	2.58	2.58	1.58	1.04	1.04	
11		0.79	0.50		0.34	2.35	0.34	4.97	2.35	4.97	n/a	4.36	4.36	0.5	1.06	2.14	2.14	2.14	2.14	2.14	0.96	1.15	1.15	
12	5.0	0.98	0.68	10.5	0.56	2.22	1.5	4.60	2.22	4.60	n/a	3.78	3.78	41.0	5.88	2.5	2.46	2.46	2.46	2.46	1.04	0.83	0.91	
13		0.54	0.54	36.5	3.85	3.54	4.5	7.39	3.54	7.39	n/a	17.0	4.01	8.5	4.26	0.5	2.42	2.42	2.42	2.42	1.0	0.85	1.03	
14		0.62	0.37		1.08	15.0	1.08	7.39	1.08	15.0	n/a	n/a	3.53	5.5	3.93	3.0	2.32	2.32	2.32	2.32	0.5	0.83	1.11	
15		0.78	0.68	n/a	0.68	4.66	0.68	4.66	4.66	4.66	n/a	9.0	3.26	69.0	25.89	5.0	2.22	2.22	2.22	2.22	1.31	0.79	1.18	
16	0.5	0.79	n/a	n/a	0.59	1.5	0.59	3.70	1.5	3.70	n/a	34.5	2.73	24.5	21.33	1.49	1.49	1.49	1.49	1.49	1.67	1.04	1.04	
17		0.83	1.68	n/a	0.51	89.5	0.51	22.12	6.0	n/a	24.5	2.48	2.48	16.0	13.09	6.0	1.82	1.82	1.82	1.82	3.5	60.0	8.22	
18		0.88	0.80		0.47	32.99	6.5	11.46	44.5	9.60	n/a	2.34	2.34	6.0	8.78	47.5	8.52	8.52	8.52	0.97	n/a	n/a	n/a	
19		0.78	0.71		0.69	7.70	37.5	11.69	7.70	11.69	66.5	2.14	2.14	26.0	12.47	0.5	4.87	4.87	4.87	4.87	14.0	n/a	n/a	
20		0.58	0.64		1.03	7.70	37.5	11.69	7.70	11.69	9.5	2.01	2.01	10.5	11.67		3.04	3.04	3.04	3.04	n/a	n/a	n/a	
21		0.31	0.64	83.5	18.13	5.63	35.0	30.73	5.63	35.0	7.74	1.85	1.85	4.5	9.83		2.51	2.51	2.51	2.51	4.0	n/a	n/a	
22		0.36	0.47	0.5	7.82	4.20	7.0	27.46	4.20	27.46	5.35	1.71	1.71	8.5	8.28	8.5	2.50	2.50	2.50	2.50	44.5	n/a	n/a	
23	19.5	0.70	0.46	0.5	2.96	3.59	2.96	13.73	3.59	13.73	4.31	1.66	1.66	6.27	5.5	2.56	2.56	2.56	2.56	0.89	n/a	1.18	1.18	
24	10.5	0.89	0.58		2.07	3.23	2.5	9.92	3.23	9.92	3.66	1.53	1.53	5.22		1.90	1.90	1.90	1.90	0.81	n/a	1.14	1.14	
25	1.0	0.62	0.64	0.5	1.75	2.98	1.75	8.22	2.98	8.22	3.28	1.40	1.40	4.44		1.74	1.74	1.74	1.74	1.11	n/a	5.5	1.91	
26		0.42	0.79		1.61	2.81	1.61	6.32	2.81	6.32	2.94	1.42	1.42	3.81	5.0	1.80	1.80	1.80	1.80	1.22	n/a	1.48	1.48	
27	39.5	3.86	0.63		1.54	3.37	69.0	6.32	3.37	69.0	1.0	1.78	1.78	3.41		1.63	1.63	1.63	1.63	0.86	n/a	1.45	1.45	
28	10.0	0.78	0.67	58.0	4.85	14.0	6.58	6.58	14.0	6.58	5.0	1.69	1.69	3.03		1.51	1.51	1.51	1.51	0.79	n/a	1.38	1.38	
29	6.0	0.98		26.0	26.72	81.5	20.88	20.88	26.72	81.5	24.5	1.84	1.84	2.80	0.5	1.44	1.44	1.44	1.44	0.73	n/a	1.38	1.38	
30		0.49			6.98	1.0	16.92	16.92	6.98	1.0	2.90	4.5	1.51	2.55	2.5	1.47	1.47	1.47	1.47	0.74	5.5	0.85	1.35	
31		0.49			4.50		205.17	205.17	4.50	205.17	n/a	2.5	1.31	2.33		3.5	3.5	3.5	3.5	0.84	n/a	1.30	1.30	
total	92.0	24.23	113.5	n/a	252.0	95.77	280.5	205.17	278.0	278.0	263.0	467.0	552.65	311.0	177.79	170.5	82.17	37.68	103.5	126.5	n/a	141.0	n/a	

annual precipitation at Aono: 2598.5

annual runoff: n/a

n/a : data not available

unit: mm/day

2021

附表-8. 新田の降水水質
Supplementary Table 8. Annual report of rainwater quality data at Shinta in 2020

2020

SHINTA

2020	Sampling period	Number of samples	Precipitation (mm)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2019/12/18～2020/1/15	2	98.1			1.00	0.07	0.18	0.20		1.77	0.51	0.84
2	2020/1/15～2/19	2	199.1			0.68	0.06	0.10	0.08		1.18	0.38	0.49
3	2020/2/19～3/18	2	147.9			1.29	0.17	0.20	0.19		2.22	0.54	0.84
4	2020/3/18～4/22	2	383.6			1.47	0.30	0.22	0.15		2.48	0.51	1.06
5	2020/4/22～5/20	2	97.4			1.06	0.63	0.24	0.28		1.68	1.07	1.32
6	2020/5/20～6/17	2	100.3			0.72	0.25	0.15	0.23		1.12	0.79	0.80
7	2020/6/17～7/21	2	619.4			0.32	0.08	0.06	0.07		0.62	0.33	0.33
8	2020/7/21～8/19	1	35.0			0.68	0.17	0.14	0.16		1.18	0.41	1.59
9	2020/8/19～9/16	2	101.8			0.63	0.33	0.14	0.24		1.46	0.87	0.56
10	2020/9/16～10/21	2	426.2			0.72	0.11	0.12	0.11		1.22	0.30	0.48
11	2020/10/21～11/18		38.1										
12	2020/11/18～12/16	2	32.0			2.04	0.59	0.38	0.67		3.70	1.07	1.69

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-8. 新田の降水水質 (つづき)

Supplementary Table 8. Annual report of rainwater quality data at Shinta in 2021

2021

SHINTA

2021	Sampling period	Number of samples	Precipitation (mm)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2020/12/16～2021/1/20	2	34.2			3.40	0.49	0.68	1.38		5.87	1.00	1.66
2	2021/1/20～2/17	2	209.8			2.38	0.13	0.37	0.25		4.03	0.54	1.01
3	2021/2/17～3/17	2	140.2			2.56	0.19	0.40	0.29		4.32	0.30	0.96
4	2021/3/17～4/21	2	339.3			2.32	0.23	0.36	0.22		3.89	0.37	1.14
5	2021/4/21～5/20	2	185.6			1.55	0.50	0.31	0.40		2.61	0.19	0.90
6	2021/5/20～6/16	2	171.2			0.86	0.11	0.14	0.13		1.42	0.10	0.40
7	2021/6/16～7/21	1	395.1			0.15	0.06	0.04	0.06		0.29	0.00	0.31
8	2021/7/21～8/18	2	346.6			0.63	0.12	0.11	0.12		1.11	0.00	0.32
9	2021/8/18～9/22	1	317.4	5.16	11	1.02	0.16	0.15	0.11		1.71	0.50	0.62
10	2021/9/22～10/20	1	314.4	5.82	5	0.49	0.27	0.09	0.10		0.81	0.20	0.31
11	2021/10/20～11/17	1	179.0	5.59	14	1.70	0.09	0.26	0.12		2.80	0.43	0.58
12	2021/11/17～12/22	1	298.9	5.82	16	2.08	0.13	0.31	0.14		3.46	0.28	0.64

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-9. 東郷ダムの降水水質
Supplementary Table 9. Annual report of rainwater quality data at Togo dam in 2021

TOGO DAM 2021

2021	Sampling date	Sampling time	Sampler type	Precipitation (mm)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	9:47	Winter type	84.7	4.71	22	0.63	0.08	0.16	0.36	0.52	1.96	1.32	1.18
2	2021/2/18	11:01	Winter type	84.6	5.21	16	0.58	0.07	0.14	0.31	0.32	1.71	0.71	0.92
3	2021/3/17	13:35	Winter type	107.4	5.52	13	0.38	0.04	0.11	0.31	0.43	1.06	0.71	0.97
4	2021/4/22	12:13	Winter type	120.2	6.22	9	0.20	0.04	0.08	0.35	0.26	0.63	0.48	0.62
5	2021/5/19	11:30	General	179.1	6.33	7	0.09	0.10	0.04	0.12	0.26	0.24	0.31	0.33
6	2021/6/17	13:10	General	94.0	6.71	6	0.06	0.17	0.02	0.12	0.15	0.19	0.36	0.31
7	2021/7/21	12:45	General	29.6	6.57	9	0.07	0.43	0.05	0.18	0.17	0.23	0.50	0.64
8	2021/8/19	12:12	General	106.8	6.53	8	0.05	0.14	0.03	0.11	0.42	0.12	0.23	0.71
9	2021/9/21	14:51	General	87.4	7.42	21	0.19	0.46	0.04	0.13	1.75	0.56	0.59	0.93
10	2021/10/22	11:20	General	184.4	7.12	11	0.15	0.00	0.03	0.08	0.17	0.41	0.26	0.30
11	2021/11/17	13:32	General	114.3	7.03	9	0.35	0.04	0.08	0.07	0.20	1.06	0.27	0.42
12	2021/12/22	9:45	Winter type	150.7	5.20	13	0.44	0.02	0.10	0.16	0.25	1.39	0.47	0.68

附表-10. ワサビ沢の降水水質
Supplementary Table 10. Annual report of rainwater quality data at Wasabizawa in 2021

WASABIZAWA 2021

2021	Sampling date	Sampling time	Sampler type	Precipitation [§] (mm)	pH [§]	EC [§] (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	11:45	Winter type	14.6	7.02	39	0.33	0.32	0.14	4.87	0.26	0.86	1.19	1.90
2	2021/2/17	13:20	Winter type	127.2	6.56	8	0.17	0.40	0.04	0.21	0.16	0.36	0.19	0.01
3	2021/3/17	12:30	Winter type	59.3	6.18	6	0.08	0.34	0.10	0.41	0.06	0.16	0.35	0.12
4	2021/4/21	12:00	Winter type	134.5	6.45	7	0.10	0.16	0.05	0.38	0.34	0.38	0.45	0.38
5	2021/5/19	10:20	Winter type	88.3	6.32	7	0.07	0.33	0.05	0.47	0.28	0.16	0.47	0.24
6	2021/6/16	10:53	General	204.2	6.47	5	0.07	0.20	0.01	0.15	0.48	0.12	0.18	0.07
7	2021/7/21	10:06	General	317.6	5.77	4	0.05	0.21	0.00	0.13	0.07	0.09	0.20	0.09
8	2021/8/19	13:30	General	429.7	6.18	3	0.05	0.12	0.00	0.20	0.09	0.13	0.10	0.03
9	2021/9/22	15:00	General	179.4	6.02	5	0.13	0.11	0.02	0.23	0.17	0.29	0.18	0.15
10	2021/10/20	13:16	General	121.5	5.43	5	0.06	0.09	0.01	0.11	0.03	0.11	0.20	0.11
11	2021/11/17	13:17	General	60.5	5.99	5	0.08	0.22	0.02	0.13	0.08	0.22	0.19	0.09
12	2021/12/22	10:15	Winter type	139.7	6.14	4	0.05	0.30	0.03	0.14	0.04	0.14	0.07	0.04

[§]The precipitation, pH and EC were published in Asano et al. (2022), Yoshida et al. (2023).
The pH and EC were analyzed in the laboratory of Institute for Water Science, Suntary Global Innovation Center Limited.

附表－11. 白坂の降水水質
Supplementary Table 11. Annual report of rainwater quality data at Shirasaka in 2021

SHIRASAKA 2021

2021	Sampling date	Sampling time	Precipitation (mm)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	10:01	26.3	6.84	15	0.46	0.14	0.11	0.59	0.24	1.39	0.94	1.20
2	2021/2/17	10:18	105.4	6.87	10	0.30	0.05	0.07	0.17	0.09	0.87	0.46	0.45
3	2021/3/18	10:28	125.1	7.40	8	0.25	0.08	0.07	0.17	0.13	0.75	0.36	0.43
4	2021/4/22	10:15	276.3	6.80	8	0.28	0.13	0.07	0.14	0.16	0.74	0.31	0.43
5	2021/5/20	9:45	218.0	7.39	12	0.42	0.05	0.11	0.24	0.16	1.24	0.55	0.81
6	2021/6/16	9:43	282.1	5.37	4	0.07	0.02	0.02	0.09	0.06	0.20	0.20	0.12
7	2021/7/21	10:04	414.7	5.13	7	0.06	0.02	0.02	0.03	0.09	0.11	0.36	0.22
8	2021/8/19	10:10	343.7	5.74	9	0.34	0.06	0.08	0.10	0.03	1.02	0.22	0.33
9	2021/9/21	15:28	273.4	6.02	7	0.15	0.09	0.04	0.07	0.04	0.42	0.33	0.28
10	2021/10/21	9:57	188.8	4.68	14	0.15	0.03	0.04	0.11	0.26	0.39	0.82	0.69
11	2021/11/18	11:40	57.4	7.61	4	0.14	0.04	0.03	0.12	0.05	0.37	0.06	0.01
12	2021/12/24	11:45	162.2	6.25	7	0.21	0.04	0.05	0.07	0.08	0.58	0.23	0.20

附表－12. 加納の降水水質
Supplementary Table 12. Annual report of rainwater quality data at Kanou in 2021

KANOU 2021

2021	Sampling period	Number of samples	Precipitation (mm)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2020/12/12～2021/1/13	5	37.5			2.76	0.24	0.60	1.25	0.10	8.23	0.75	2.33
2	2021/1/13～2021/2/16	7	156.6			2.17	0.18	0.49	0.42	0.10	6.89	0.52	1.45
3	2021/2/16～2021/3/15	6	77.8			1.35	0.24	0.32	0.42	0.35	4.26	0.81	1.62
4	2021/3/15～2021/4/19	9	284.1			1.25	0.20	0.29	0.27	0.25	4.07	0.43	1.21
5	2021/4/19～2021/5/19	8	139.5			1.55	0.24	0.38	0.52	0.20	4.87	0.85	1.56
6	2021/5/19～2021/6/7	8	226.1			0.69	0.22	0.19	0.24	0.19	2.23	0.36	0.52
7	2021/6/7～2021/7/15	13	510.2			0.22	0.12	0.05	0.09	0.13	0.78	0.31	0.28
8	2021/7/15～2021/8/18	11	260.1			0.54	0.17	0.16	0.15	0.24	2.23	0.24	0.55
9	2021/8/18～2021/9/21	10	182.5			0.45	0.07	0.14	0.13	0.26	1.99	0.37	0.59
10	2021/9/21～2021/10/20	9	116.7			0.27	0.06	0.09	0.15	0.26	1.21	0.45	0.51
11	2021/10/20～2021/11/17	7	86.6			0.73	0.08	0.21	0.19	0.18	3.04	0.44	0.77
12	2021/11/17～2021/12/17	7	186.3			0.96	0.09	0.26	0.17	0.09	3.92	0.21	0.91

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-13. 袋山沢Aの溪流水質
Supplementary Table 13. Annual report of streamwater quality data at Fukuroyamasawa A in 2021

2021

FUKUROYAMASAWA A

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2	2021/2/17	10:09	82.5			6.76	0.70	2.46	7.48			10.86	0.16	8.95
3	2021/3/17	10:15	75.5			8.07	0.77	3.18	8.91			11.43	0.11	8.85
4	2021/4/21	10:00	85.5			8.14	0.79	3.12	9.42			12.44	0.00	7.63
5	2021/5/20	9:35	88.5			8.18	0.85	3.26	10.12			10.86	0.10	7.90
6	2021/6/16	11:07	82.5			9.59	1.06	4.28	13.09			11.92	0.14	6.72
7	2021/7/21	10:01	72.5			10.48	1.38	5.46	17.10			12.17	0.00	3.21
8	2021/8/18	10:03	95.0			8.49	0.90	3.15	9.02			10.53	0.20	6.92
9	2021/9/22	10:52	87.0	19.4	6.23	9.05	0.92	3.36	9.40			11.40	0.13	6.45
10	2021/10/20	12:23	71.5	17.1	6.37	6.70	1.05	2.47	10.28			9.96	0.49	8.68
11	2021/11/17	10:27	61.0	13.3	6.45	8.02	0.97	2.93	10.24			11.42	0.41	7.70
12	2021/12/22	11:25	73.5	10.0	6.66	6.49	0.79	2.05	8.54			11.61	0.08	8.58

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-14. 袋山沢Bの溪流水質
Supplementary Table 14. Annual report of streamwater quality data at Fukuroyamasawa B in 2021

2021

FUKUROYAMASAWA B

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2	2021/2/17	10:06	52.5			5.70	0.50	2.39	6.38			6.00	0.17	4.86
3	2021/3/17	10:11	46.5			5.76	0.52	2.36	6.86			6.13	0.14	5.12
4	2021/4/21	9:53	49.0			5.77	0.55	2.40	6.84			6.32	0.10	4.97
5	2021/5/20	9:30	64.0			6.02	0.65	2.54	7.74			6.15	0.16	4.88
6	2021/6/16	10:58	44.0			6.43	0.70	2.92	8.45			6.39	0.18	4.39
7	2021/7/21	9:53	46.0			6.92	0.82	3.25	9.53			7.06	0.24	3.64
8	2021/8/18	10:01	87.0			5.79	0.67	2.34	7.01			6.78	0.44	5.00
9	2021/9/22	10:48	50.5	19.5	6.68	6.43	0.72	2.71	7.61			6.02	0.30	4.31
10	2021/10/20	14:13	55.0	16.1	6.78	6.07	0.80	2.53	7.48			6.30	0.33	5.14
11	2021/11/17	10:14	48.5	12.5	6.72	86	5.59	0.77	2.36			6.32	0.36	5.02
12	2021/12/22	11:14	62.0	9.2	6.83	76	5.48	0.63	2.25			6.34	0.12	5.06

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-15. 丸山沢の渓流水質
Supplementary Table 15. Annual report of streamwater quality data at Maruyamazawa in 2021

MARUYAMAZAWA 2021

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1														
2														
3														
4														
5	2021/5/19	10:06	391	13.4	7.06	37	1.47	0.66	0.71	2.29	0.03	2.10	0.63	2.05
6	2021/6/17	10:20	147	15.1	7.25	45	1.74	0.81	0.91	2.93	0.03	1.91	0.52	1.97
7	2021/7/21	13:42	82	17.6	7.46	52	2.03	1.05	1.05	3.50	0.04	2.08	0.64	1.95
8	2021/8/19	10:10	81	15.2	7.10	54	2.00	1.00	1.14	3.94	0.02	2.14	0.49	1.83
9	2021/9/22	11:01	64	13.8	7.44	56	2.10	1.11	1.21	4.06	0.02	2.24	0.29	1.96
10	2021/10/22	10:27	218	8.5	6.82	43	1.62	0.75	0.90	2.74	0.12	2.49	0.83	2.04
11	2021/11/17	9:46	201	17.1	7.24	44	1.75	0.76	0.91	2.85	0.03	2.35	0.54	2.14
12														

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-16. バケモノ沢の渓流水質
Supplementary Table 16. Annual report of streamwater quality data at Bakemonozawa in 2021

BAKEMONOZAWA 2021

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH [§]	EC [§] (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	12:54		7.6	7.24	48	2.98	0.16	0.73	5.77		0.61	0.23	5.22
2	2021/2/17	11:51		7.0	7.32	50	3.12	0.12	0.76	6.04		0.62	0.05	5.22
3	2021/3/17	13:16		9.3	7.52	54	3.25	0.14	0.82	6.69		0.67	0.04	5.67
4	2021/4/21	12:28		9.3	7.39	56	3.10	0.24	0.83	5.36		0.60	0.33	5.90
5	2021/5/19	11:20		11.1	7.34	62	3.19	0.25	0.95	6.22		0.54	0.35	5.50
6	2021/6/16	11:55		12.1	7.33	58	3.00	0.28	0.86	5.20		0.51	0.74	5.07
7	2021/7/21	11:10		11.5	7.22	50	2.80	0.29	0.73	5.65		0.54	1.08	4.65
8	2021/8/19	11:33		13.0	7.34	43	2.55	0.30	0.64	5.92		0.51	1.59	3.62
9	2021/9/22	12:48		12.1	7.47	50	2.81	0.29	0.73	6.57		0.54	0.82	4.22
10	2021/10/20	12:58		10.3	7.15	51	3.08	0.25	0.82	6.51		0.58	0.41	5.22
11	2021/11/17	12:53		9.3	7.16	51	3.04	0.22	0.79	6.34		0.60	0.24	5.48
12	2021/12/22	13:45		6.4	7.15	49	2.86	0.18	0.70	5.74		0.58	0.19	6.13

Note: blank cell is no data (water was not sampled or not measured /analysed). Water height will be reported at a later date.

[§]The water temperature, pH and EC were published in Asano et al. (2022), Yoshida et al. (2023).

The pH and EC were analyzed in the laboratory of Institute for Water Science, Suntory Global Innovation Center Limited.

附表—17. 白坂本谷の渓流水質
Supplementary Table 17. Annual report of streamwater quality data at Shirasaka hontani in 2021

2021

SHIRASAKA HONTANI

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH	EC (μS/cm)	Na (mg/L)	K (mg/L)	Mg (mg/L)	Ca (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	10:20	69	2.9	6.46	49	4.93	0.74	0.59	4.08		3.00	0.34	4.27
2	2021/2/17	10:30	98	5.2	7.04	48	5.25	0.81	0.61	4.27		2.97	0.72	4.50
3	2021/3/18	10:50	124	8.3	7.01	52	5.12	0.89	0.58	4.25		2.76	1.18	4.40
4	2021/4/22	9:50	210	11.4	6.34	44	4.41	0.83	0.51	3.77		2.40	1.20	3.63
5	2021/5/20	10:10	200	15.4	6.82	45	4.30	0.91	0.47	3.52		2.44	0.62	3.96
6	2021/6/16	10:00	179	17.4	6.25	45	4.47	0.98	0.50	3.55		2.54	0.57	4.02
7	2021/7/21	11:03	238	21.3	7.13	42	4.21	0.99	0.47	3.28		2.32	0.62	3.90
8	2021/8/19	10:28	523	20.1	6.68	34	3.48	0.97	0.44	2.92		1.90	1.30	3.02
9	2021/9/21	14:37	244	19.4	7.18	43	4.41	1.02	0.49	3.35		2.24	0.95	3.89
10	2021/10/21	10:31	186	12.9	6.11	43	4.19	0.93	0.40	3.10		2.31	0.82	3.65
11	2021/11/18	10:55	117	11.0	7.17	50	4.88	0.95	0.49	3.48		2.60	0.49	4.34
12	2021/12/24	11:03	127	6.5	6.28	49	4.81	0.85	0.48	3.48		2.51	0.71	3.88

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表—18. 樹芸2号沢の渓流水質
Supplementary Table 18. Annual report of streamwater quality data at Jyugei 2gosawa in 2021

2021

JYUGEI 2GOSAWA

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	13:35	53	8.0	7.20	157	5.70	0.55	5.12	11.49	0.05	10.40	0.07	43.10
2	2021/2/17	13:50	60	8.8	7.20	146	5.53	0.54	4.83	10.61	0.02	10.76	0.49	39.93
3	2021/3/17	13:40	54	12.2	7.22	157	5.81	0.60	5.06	11.51	0.08	10.63	0.08	42.17
4	2021/4/21	14:05	106	14.5	7.25	93	4.90	0.51	3.35	6.91	0.13	11.54	0.15	23.43
5	2021/5/18	13:50	77	17.2	7.26	110	5.58	0.60	4.46	9.49	0.03	11.32	0.13	34.30
6	2021/6/17	14:00	85	17.2	7.23	106	5.44	0.59	4.26	8.39	0.19	11.26	0.19	32.67
7	2021/7/21	13:55	80	19.7	7.14	107	5.57	0.55	4.28	8.40	0.05	11.04	0.45	33.62
8	2021/8/18	13:25	125	18.9	7.31	86	4.86	0.57	3.21	6.31	0.06	10.93	0.64	20.00
9	2021/9/21	13:55	84	18.9	7.27	104	5.51	0.56	4.03	7.65	0.00	10.84	0.59	32.22
10	2021/10/20	10:20	67	15.7	7.35	117	5.76	0.67	4.69	9.38	0.00	10.53	0.35	39.74
11	2021/11/17	10:45	61	13.8	7.37	121	5.82	0.69	4.89	9.71	0.02	10.45	0.40	42.28
12	2021/12/22	10:20		10.5	7.37	119	4.28	0.48	4.82	10.61	0.06	10.70	0.43	41.41

Note: blank cell is no data (water was not sampled or not measured /analysed)

附表-19. 樹芸3号沢の溪流水質
Supplementary Table 19. Annual report of streamwater quality data at Jyugei 3gosawa in 2021

2021

JYUGEI 3GOSAWA

2021	Sampling date	Sampling time	Water height (mm)	Water temp. (°C)	pH	EC (μS/cm)	Na ⁺ (mg/L)	K ⁺ (mg/L)	Mg ²⁺ (mg/L)	Ca ²⁺ (mg/L)	NH ₄ ⁺ (mg/L)	Cl ⁻ (mg/L)	NO ₃ ⁻ (mg/L)	SO ₄ ²⁻ (mg/L)
1	2021/1/20	14:15	17	6.8	4.58	164	5.73	0.82	7.18	7.05	0.06	12.18	0.00	57.15
2	2021/2/17	14:30	23	7.4	4.84	144	5.13	1.17	5.65	7.19	0.03	11.76	0.00	45.65
3	2021/3/17	14:15	20	11.5	4.75	148	5.36	0.96	6.22	6.99	0.02	11.78	0.00	48.59
4	2021/4/21	14:35	48	14.0	4.95	91	4.82	0.46	4.05	3.83	0.01	11.30	0.00	29.52
5	2021/5/18	14:30	34	17.5	4.75	110	5.36	0.70	5.28	5.05	0.01	11.85	0.00	39.76
6	2021/6/17	14:35	36	17.6	4.76	103	5.18	0.57	5.05	4.59	0.04	11.47	0.00	37.20
7	2021/7/21	14:20	32	21.2	4.82	109	5.45	0.53	5.39	5.01	0.04	11.68	0.00	39.87
8	2021/8/18	13:50	55	21.1	4.84	81	4.50	0.51	3.41	3.09	0.00	10.53	0.00	24.95
9	2021/9/21	14:30	35	19.4	4.57	108	5.30	0.59	4.94	4.13	0.00	11.40	0.00	40.39
10	2021/10/20	10:50	25	15.2	4.48	121	5.44	0.71	5.83	4.86	0.02	11.46	0.00	48.83
11	2021/11/17	11:35	22	13.1	4.47	130	5.58	0.68	6.32	5.30	0.06	11.79	0.00	52.52
12	2021/12/22	11:00	26	9.6	4.64	128	4.09	0.58	6.24	5.99	0.18	11.66	0.00	51.58