

Supplementary Materials

Table S1. Monthly data on the reference river water heat sources.

Province	Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Chung-cheong-buk-do	Jecheon	3.1	3.6	7.5	12.8	18.6	22.7	23.2	24.4	21.5	16.9	10.0	4.6
	Chungju	3.5	3.8	6.8	11.3	16.5	20.9	22.6	24.4	22.2	18.1	12.8	6.8
	Ceongju	3.9	4.6	8.9	14.1	19.3	23.6	25.2	25.9	22.7	17.7	11.7	6.4
	Boeun	2.1	2.6	6.3	11.8	17.9	22.9	23.2	25.5	21.9	17.1	11.4	4.6
	Yeongdong	2.4	3.2	7.7	12.7	19.0	24.0	24.0	25.6	22.0	17.1	10.7	4.0
	Cheonan	3.8	4.6	8.4	13.8	19.9	24.2	26.1	26.9	22.6	17.7	12.3	6.2
Jeolla-buk-do	Namwon	2.8	4.1	8.7	14.2	20.0	23.8	24.6	25.4	21.7	16.5	10.7	5.0
	Imsil	2.9	3.6	7.8	13.0	19.3	22.9	23.6	24.9	21.9	17.2	11.1	5.8
	Gunsan	3.6	4.9	9.4	15.6	20.5	24.8	27.5	28.9	24.5	19.0	12.4	6.1
	Jeonju	4.5	4.9	9.3	14.7	19.7	23.5	25.7	27.5	24.1	19.5	12.9	7.2
	Jeongeup	3.9	4.3	8.4	13.7	19.0	22.4	25.2	27.2	23.4	19.4	12.9	6.7
	Buan	3.9	4.4	8.4	14.7	19.9	23.3	25.8	28.1	23.9	19.1	12.6	6.1
	Jangsu	3.5	4.4	7.6	12.3	17.9	20.9	22.5	23.1	19.8	15.0	10.2	5.0
Gangwon-do	Pyeongchang	1.6	2.4	5.3	11.1	17.7	22.8	21.4	23.4	19.7	15.0	8.2	2.5
	Yeongwol	2.0	3.6	7.7	11.8	18.1	22.3	21.8	23.5	20.1	15.4	8.7	3.9
	Taebaek	1.8	2.8	7.2	9.4	16.0	19.4	19.1	20.7	17.7	13.3	8.9	3.3
	Donghae	4.9	5.1	7.5	11.5	16.2	20.0	20.2	22.2	18.9	14.8	10.8	5.8
	Hongcheon	1.8	2.1	7.2	13.0	19.1	24.3	24.2	25.6	21.7	17.3	10.5	3.6
	Wonju	2.5	4.0	8.6	13.5	18.6	24.1	24.3	25.9	24.4	16.7	10.4	4.7
	Cheolwon	2.9	3.0	7.6	12.0	17.4	22.7	22.9	24.2	21.0	16.4	10.0	5.1
	Chuncheon	4.0	4.4	6.9	10.6	14.3	18.0	20.7	22.3	20.5	16.8	12.4	6.7
	Inje	0.7	1.4	6.2	11.4	18.1	24.3	22.4	25.6	20.1	14.4	7.0	2.3
	Sokcho	4.6	5.5	8.7	13.4	16.9	21.0	22.4	24.3	20.2	16.0	11.2	6.2
	Gangneung	4.8	5.6	9.2	14.5	18.1	21.0	21.1	23.4	20.0	15.0	9.5	6.1
Gyeonggi-do	Icheon	3.5	4.6	9.3	14.8	20.2	24.7	25.1	26.5	22.9	17.8	11.5	5.8
	Yangpyeong	2.5	3.5	7.5	12.9	18.7	23.5	23.3	25.0	21.9	17.1	10.8	4.8
	Suwon	6.2	7.1	10.3	15.8	20.9	25.3	26.1	26.7	24.3	19.8	13.9	7.9
	Dongducheon	1.8	2.8	6.6	12.8	18.8	24.2	24.2	25.3	23.0	17.6	11.2	4.7
	Ganghwa	2.5	3.3	6.8	13.3	18.8	23.1	24.6	25.4	23.1	18.2	13.9	5.3
Jeolla-nnam-do	Jangheung	3.8	4.5	8.9	13.9	18.6	22.7	24.3	26.9	23.0	18.3	12.2	6.2
	Yeosu	5.4	5.2	9.5	13.7	17.8	21.1	23.0	25.2	22.9	20.0	14.2	8.6
	Haenam	4.2	4.5	9.3	14.4	19.5	23.1	25.0	26.8	22.8	18.3	12.0	6.3
	Wando	2.6	5.2	8.8	14.4	18.9	25.3	24.7	27.8	24.2	18.5	13.4	6.0
	Goheung	6.3	6.8	10.9	15.2	20.1	21.6	24.2	26.4	23.4	20.8	14.2	9.0

	Mokpo	4.5	4.6	8.9	15.1	20.2	24.3	26.1	28.5	24.4	18.8	13.1	7.1
Chung-cheong-nam-do	Geumsan	2.7	3.8	8.0	13.2	19.4	23.6	24.1	25.5	21.5	16.5	10.7	5.3
	Buyeo	2.9	3.9	8.6	14.6	20.3	24.3	25.8	27.8	23.5	18.5	12.1	5.4
	Seosan	3.1	3.5	8.5	14.4	20.3	24.4	25.9	28.0	24.1	19.3	13.3	6.0
	Boryeong	3.8	3.8	8.3	14.1	19.3	22.7	25.1	27.3	23.6	19.3	13.0	6.5
Gyeong-sang buk-do	Bonghwa	1.8	3.3	8.0	12.9	19.4	23.1	22.3	23.6	19.6	14.6	8.5	3.5
	Uljin	3.0	4.5	8.5	12.0	18.4	22.1	22.9	22.0	18.5	14.7	9.2	4.4
	Andong	4.4	5.2	9.4	13.8	18.3	21.5	23.5	25.1	22.6	18.0	12.3	6.5
	Yeongju	3.6	5.7	10.0	15.2	20.6	24.5	25.0	26.7	22.8	17.8	11.8	6.0
	Uiseong	3.4	4.8	9.9	14.8	20.6	24.7	25.5	27.3	23.5	18.0	11.6	5.4
	Pohang	5.7	6.9	10.4	16.1	19.9	23.2	24.4	25.1	22.3	17.7	12.9	7.6
	Mungyeong	3.3	5.5	9.7	14.8	20.2	25.8	24.7	27.8	23.1	18.1	11.4	5.0
	Gumi	4.4	5.5	10.5	15.3	20.7	25.1	25.6	27.7	23.2	18.6	12.4	6.5
	Yeongcheon	4.6	6.1	11.1	14.5	20.2	22.6	24.1	25.9	21.9	18.2	12.6	6.8
	Yeongdeok	5.2	9.2	12.1	15.2	20.6	23.9	25.1	25.4	22.1	16.9	12.9	8.2
Gyeong-sang nam-do	大大	4.0	4.9	9.4	14.3	19.7	22.9	24.3	26.4	23.2	18.6	12.9	6.7
	Geochang	3.5	5.1	9.6	14.7	20.4	24.9	24.9	25.9	21.9	16.8	11.0	5.9
	Namhae	4.4	5.3	9.9	14.7	19.9	23.7	24.7	27.0	22.7	17.5	12.0	6.0
	Jinju	4.3	5.5	10.4	15.3	20.6	24.8	25.9	27.8	24.1	19.5	13.9	7.3
	Sancheong	3.4	4.5	9.3	13.6	19.6	24.1	24.0	25.8	22.6	18.1	11.6	6.3
	Changwon	5.2	6.0	10.2	15.2	20.2	24.5	25.3	28.4	24.3	19.2	14.3	7.8
	Miryang	4.5	5.9	11.2	16.3	21.4	25.2	26.4	28.3	24.0	19.2	13.2	6.8
	Ulsan	5.4	5.8	9.7	14.7	19.6	23.0	24.9	27.4	22.6	18.5	13.6	7.0
	Geoje	6.6	7.0	8.8	14.7	20.0	22.9	23.2	25.7	23.7	19.2	13.8	9.6