

Reach	Site	Name	Description	Coordinates	Distance to mouth (km)	$p\text{CO}_2$ (μatm)			CH_4 (nmol L^{-1})		N_2O (nmol L^{-1})	
						Monthly	July 2014	May 2015	Monthly	May 2015	Monthly	May 2015
Upper	HR1	Haean	Forest stream	38°15' N, 128°7' E	299	1083	632 (515–2539)	595	4.9 (1.2–7.2)	1.2	13.3 (8.9–20)	10.1
	HR2	Mandae	Agricultural stream	38°16' N, 128°9' E	292	1415	1498 (530–2302)	530	529.0 (41–1719)	287.8	36.4 (28–46)	31.4
	HR3	Inbuk River	Tributary to Soyang	38°6' N, 128°11' E	255		606	163		996.3		11.8
	HR4	Soyang River	Inflow to reservoir	38°0' N, 128°6' E	234	960	1541 (654–1541)	654	283.5 (104–967)	104.1	12.0 (7.5–20)	9.6
Middle	HR5	Soyang Dam	Reservoir	37°56' N, 127°49' E	189		98	430		59.0		14.2
	HR6	Eoam Dam	Reservoir	37°52' N, 127°41' E	172		246	128		693.4		212.2
	HR7	Cheongpyeong	Reservoir outflow	37°43' N, 127°24' E	122		761	550		738.0		36.4
	HR8	North Han	N. Han outlet	37°36' N, 127°20' E	108	682	56 (56–1970)	677	263.5 (71–472)	378.3	17.1 (11–23)	23.4
	HR9	South Han	S. Han outlet	37°31' N, 127°22' E	105		73	173		591.7		18.8
	HR10	Paldang Dam	Reservoir	37°30' N, 127°18' E	97		51	171		747.8		16.0
	HR11	Amsa	Lower Han River	37°33' N, 127°7' E	76	649	224 (72–2465)	257	565.8 (210–870)	595.5	21.1 (13–31)	20.8
Lower	HR12	Joongnang R	Urban tributary	37°33' N, 127°2' E	66	8267	7734 (4703–11970)	9369	2326.6 (422–6496)	4112.4	429.8 (94–1396)	1396.1
	HR13	Jamwon	Lower Han River	37°31' N, 127°1' E	63		3179	1653		2552.3		140.2
	HR14	Bamseom	Lower Han River	37°32' N, 126°55' E	53	2356	3344 (489–4132)	1463	1370.2 (265–2540)	2033.8	69.3 (22–174)	173.7
	HR15	Jeonryuri	Estuary	37°41' N, 126°39' E	23		3544	2379		111.5		88.1