

**COMPASS CB Synoptic Site Tree Gas Data Sheet**

Site Name: SWA  
 Date: 7/19/23  
 Sampler(s): Sam W  
 Instrument: Loris

General Notes:

Temp @ 10:12 - 81°F  
 $\text{CH}_4$  fluxes constantly changing ratios  
 Temp @ 11:25 - 83° started hard rain  
 Temp @ 12:18 - 95°

Transect Location	Tree #	Start Time	End Time	Gas Sample (mL)	$\text{CH}_4$ flux (ppb/s)	$\text{CO}_2$ flux (ppm/s)	Notes
Upland	3	11:51:40	11:53:40		0.055	-0.686	
Upland	4	11:57:40	11:59:40		0.012	-0.242	
Upland	5	12:03:20	12:05:20		0.029	0.275	
Upland	6	12:08:40	12:10:40		0.079	-0.210	redid Si, good emit
Upland	7	12:16:20	12:20:20		0.108	-0.230	
Upland	8	12:25:00	12:27:00		0.123	-1.065	
Upland	1	12:31:40	12:33:40		-0.120	-0.648	
Upland-C	1	13:01:40	13:03:40		0.014	0.253	DBH: 31.4
Upland-C	3	13:09:10	13:11:10		0.024	0.030	DBH: 18.6 w/2
Transition	1	10:25:00	10:27:00		0.369	0.183	redid Si, H2O probe in H2O
Transition	3	10:35:00	10:37:00		0.852	0.157	
Transition	8	10:39:10	10:41:10		0.614	0.233	bad Si, redid
Transition	7	13:52:30	13:54:30		0.853	0.810	bad Si, redid not measured 1st time
Transition	4	14:01:50	14:03:50		0.249	0.590	not great Si, redid not measured 1st time
Transition	6	14:06:40	14:08:40		0.463	0.189	holey redid Si
Transition	5	11:18:40	11:20:40		1.725	0.290	okay Si, still redid
Transition	2	11:29:00	11:31:00		1.078	0.201	
Transition							

Dead trees:

UP-C	2	13:17:30	13:19:30		0.011	0.122	DBH: 22.8 w/3
UP-C	4	13:25:50	13:27:50		0.012	-0.052	DBH: 18.8 holly in stem
UP-C	5	13:31:00	13:33:00		0.010	-0.417	DBH: 31.4 open trunk