

Synoptic - monthly sampling			Event: 2022 summer [month <del>Nov</del> <sup>Oct</sup> ]			General Notes/Observations: last sample day - tubes were disconnected from drawer 1 m sampled soil for OWC today				
Measurement: Soil Fluxes [CH <sub>4</sub> ] and [CO <sub>2</sub> ]			Instrument: Nick			FLUX ( $\mu\text{mol m}^{-2} \text{s}^{-1}$ ) FLUX ( $\text{nmol m}^{-2} \text{s}^{-1}$ )				
Collection Date: 5-Oct-2022			Personnel: Roberta							
Site	Zone	Collar ID	Date	Start Time	End Time	① CO <sub>2</sub> (ppm/s)	②	① CH <sub>4</sub> (ppb/s)	②	Notes
Old Woman Creek	upland	S49	N <sub>2</sub> O							
Old Woman Creek	upland	S50		10:36	10:39	5.278	0	-1.179	0	check & record on line
Old Woman Creek	upland	S51	1	10:22	10:25	42.933	1.392	127.459	-13.060	551b <sup>CH<sub>4</sub></sup> -28.018 <sup>CO<sub>2</sub></sup> -4.175 / <sup>CH<sub>4</sub></sup> -33.227 <sup>CO<sub>2</sub></sup> -7.429
Old Woman Creek	upland	S52		10:32	10:35	4.184	3.100	-0.954	-0.879	
Old Woman Creek	upland	S53	N <sub>2</sub> O							
Old Woman Creek	upland	S54	N <sub>2</sub> O							
Old Woman Creek	upland	S55		10:41	10:43	3.280	2.402	-0.854	-0.749	
Old Woman Creek	upland	S56		10:45	10:47	4.822	2.669	-1.721	-1.467	
Old Woman Creek	transition	S57	N <sub>2</sub> O							
Old Woman Creek	transition	S58		11:09	11:12	3.458	3.411	-1.239	-1.279	
Old Woman Creek	transition	S59	N <sub>2</sub> O							
Old Woman Creek	transition	S60		10:55	10:57	3.720	3.636	-0.846	-0.863	
Old Woman Creek	transition	S61		10:50	10:53	3.847	3.366	-2.529	-0.752	
Old Woman Creek	transition	S62	N <sub>2</sub> O							
Old Woman Creek	transition	S63		10:59	11:02	4.441	3.432	-0.482	-0.460	
Old Woman Creek	transition	S64		11:04	11:06	1.859	1.290	-1.369	-0.034	
Old Woman Creek	wetland	S65		11:20	11:22	4.716	3.415	122.5	43.625	water inside chamber
Old Woman Creek	wetland	S66		11:25	11:28	0.505	0.429	1.054	2.474	
Old Woman Creek	wetland	S67	N <sub>2</sub> O							
Old Woman Creek	wetland	S68		11:29	11:32	0.262	0.282	87.514	1.289	probe in the water 0.7 m <sup>3</sup> m <sup>-3</sup>
Old Woman Creek	wetland	S69	N <sub>2</sub> O							
Old Woman Creek	wetland	S70	N <sub>2</sub> O							
Old Woman Creek	wetland	S71		11:34	11:37	0.966	0.693	3.352	2.943	
Old Woman Creek	wetland	S72		11:38	11:40	0.725	0.339	-1017.682	3.059	

S72b without  
plant  
inside

11:43

1.646 0.841 7.393 4.826



10.55 evacuated 12 ml exetainers  
5 min between samples

then up

 $(2, 6)$ 

30

(3)  
110

(2)

3 Jan

(1.5)

10 م

small chamber  
Ophiuroid length 60 s  
dead band 5 s  
# 2 replicates  
post pms 10 s  
soil/water diam

76-10-010281P4  
(62)

upl 5-oct-2022 11:56

tree	O <sub>2</sub> air	TOC air	O <sub>2</sub> soil	T <sub>soil</sub>
7	100.9% 9.018 mg/L	19.9°C	9.551	13.4

slope:

CO <sub>2</sub> IN FIN 643/585	CH <sub>4</sub> IN FIN 2483/2475
0.273	-0.0118

	98.15% 9.39	18.5°C	10.01mg/L 96.07%	13.0	12:03	5467 657 0.492	2485/2483 -0.031
8	98.12% 9.013	18.6°C	9.537 93.37%	13.7	12:15 12:21	453/492 0.185	2358/2363 -0.012
4			93.56% 9.666mg/L	13.2	12:24	422/476 0.274	2255/2253 0.0001
5			93.22 9.702	12.8	12:31 12:37	419/670 0.732	2223/2224 0.006 slope
6			94.82 9.755	13.18	12:45 12:47	420/456 0.178	2206/2208 0.006
untion	19.1	<del>18.6</del>	<del>13.4</del>	12:53	490/515	2279/2220	
(7)	8.975				0.180	1.089/12:56 -0.004/12:56 2133-2142/12:58	
(1)				13:01 13:05	443-562 0.544	2133-2142 0.048	
(2)				13:06 13:09	420-481 0.381	2140-2142 0.0107	
(4)				13:10 13:13	437.494 0.307	2130-2138 0.045	
(5)				13:14 13:17	432 448 0.189	2127-2134 0.02	
6				13:19 13:22	429 513 0.865	2141-2144 0.012	
2			utranho 2280 outlier	13:26 17:24	443 0.461/612	2143 -0.011 2150	