



Katelyn Hopkins

Calling samples "mid"
for midday

Argonne - Chicago
2021
Post-lac
University

Synoptic - monthly sampling		Event: 2022 summer [month JULY]		General Notes/Observations:				
Measurement: Soil Fluxes [CH ₄] and [CO ₂]		Instrument: <i>NIKE</i>						
Collection Date: <i>7-19-22</i>		Personnel:						
Site	Zone	Collar ID	Soil Temp °C	Start Time	End Time	CO ₂ (ppm/s)	CH ₄ (ppb/s)	Notes
Portage river	upland	S1		9:06	9:10	4.954	-0.447	
Portage river	upland	S2		9:00	9:05	6.895	-0.581	
Portage river	upland	S3		8:53	8:58	3.670	-1.147	
Portage river	upland	S4		9:13	9:18	3.945	-1.027	
Portage river	upland	S5		9:21	9:26	4.123	-0.395	
Portage river	upland	S6		9:28	9:33	5.419	-0.782	
Portage river	upland	S7		9:35	9:40	5.386	-1.191	
Portage river	upland	S8		9:42	9:47	4.001	-0.910	
Portage river	transition	S9		9:52	9:57	3.347	-0.140	
Portage river	transition	S10		10:06	10:11	3.557	-0.219	10b
Portage river	transition	S11		10:13	10:18	5.780	-1.362	sample in direct sun
Portage river	transition	S12		10:21	10:26	4.232	-0.777	
Portage river	transition	S13		10:28	10:33	4.421	-1.804	
Portage river	transition	S14		10:35	10:40	4.561	-0.506	
Portage river	transition	S15		10:43	10:48	6.732	-0.035	
Portage river	transition	S16		10:50	10:55	7.629	-0.282	lots of plant leaves in collar, indirect sun
Portage river	wetland	S17		11:59	12:04	4.331	21.395	
Portage river	wetland	S18		11:52	11:56	6.613	14.336	lots of leaves
Portage river	wetland	S19		11:36	11:41	5.615	5.352	
Portage river	wetland	S20		11:44	11:49	3.986	5.413	lots of leaves
Portage river	wetland	S21		11:28	11:33	8.509	17.277	may have disturbed soil?
Portage river	wetland	S22		11:20	11:25	3.749	3.384	
Portage river	wetland	S23		11:13	11:18	3.796	7.521	
Portage river	wetland	S24		11:04	11:09	1.266	3.896	lots of leaves in collar

1st rep = ~40,
very disturbed
soil (ifellin)