

\* when sect or has 2 diff. textures each tube gets little of both

Site Name: *Sphagnum*

Note Taker Name: *Danya (mostly)*

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun (CORE OUT)	(Processing over) Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 21.1995' E 19° 2.8522'	-13	RESISTANCE OF 30 CM BREAKS > 1m	7/14/15	<del>13:14</del> 13:14	13:45 13:14	22.0	sunny not cloudy	0172 / 0175 <small>location Core</small>
2	N 68° 21.1990' E 19° 2.8524'	-16	> 1m	7/14/15	<del>14:14</del> 14:22	15:00	20.0	"	0176 / 0178 0177
3	N 68° 21.1989' E 19° 2.8504'	-15	35cm	7/14/15	<del>15:35</del> 15:35	16:10	19.3	"	0189 / 0190

Cores chosen so veg. corresponds to same numbered chamber

**Notes:**

\* Core 1: seasonal ice probe can not be measured by core  
\* Core 2: seasonal ice probe can not be measured by core  
\* Core 3: seasonal ice probe can not be measured by core  
\* Core 1: seasonal ice probe can not be measured by core

**PORE WATER INFO**

*Rose Winings*

Date	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
13/7	1-4	10	4.2
	10-14	22	4.2
	20-24	33	4.4
	30-34	42	4.3
	40-44		

from center of N/S from side from NW/SE  
 \* From core 1 10-14 no 3rd protein  
 \* Cut geochron samples with knife  
 \* Shake life guard in sample for all except first core  
 \* avoid big roots in vial

Site Name: PAKA

Note Taker Name: Danya

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N08°21'20" E 019°02'43" W	NA	40cm	7/15/15	11:05	11:35	14.0	cloudy overcast	Site core 0191 / 0195
2	N08°21'20" E 190°2'33" W	NA	38cm	7/15/15	11:35	12:00	14.0	cloudy overcast	0192 / 0196
3	N08°21'20" E 190°2'03" W	NA	38.5cm	7/15/15	11:45	12:15	14.0	cloudy overcast	0193 / 0197

**Notes:**

Core 2 {20-24cm} {30-34cm} 2 soil textures  
 Core 3 temp taken after coring next to hole

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	11.7	12.6	13.2
10-14	10.2	9.4	10.9
20-24	6.4	5.6	6.5
30-34	1.0	3.1	2.5
40-44	NA	NA	NA

**PORE WATER INFO** NO pore water

Date	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
7/15/15	1-4		
	10-14		
	20-24		
	30-34		
	40-44		

GPS	Air Temp	WTD (cm)	ALD (cm)	Time begun

Site Name: *Eniophorum*

Note Taker Name: *Heira / Amelia / Danya*

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 21.148 E 619° 02.822	?	491m	7/15/15	13:30	13:50	17.6	<del>cloudy</del> <i>cloudy</i>	<i>site cue</i> 0199/0207
2	N 68° 21.148 E 619° 02.822	?	521m	7/15/15	13:50	14:20	17.6	<del>cloudy</del> <i>cloudy</i>	0201/0208
3	N 68° 21.148 E 619° 02.822	?	31m	7/15/15	14:10	14:30	17.4	<del>cloudy</del> <i>ethereally sunny</i>	0202/0209

*Platform near autochamber*

**Notes:** GPS died; come back to take coordinates

*email austin about getting basic table*  
*Endo GPS*

**PORE WATER INFO**

Date	GPS	Air Temp	WTD (cm)	ALD (cm)	Time begun	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
<i>7/14/15</i>	<i>68° 21.1476N 19° 2811E</i>	<i>17.9</i>	<i>0</i>	<i>&lt;1m</i>	<i>16:30</i>	<i>1-4</i>	<i>1</i>	<i>5.3</i>
						<i>10-14</i>	<i>12</i>	<i>5.4</i>
						<i>20-24</i>	<i>22</i>	<i>5.4</i>
						<i>30-34</i>	<i>23</i>	<i>5.8</i>
						<i>40-44</i>	<i>46</i>	<i>5.4</i>

Add core length to sheet

Site Name: Pw1

Note Taker Name: Amelia Danya + SKY

CORING INFO

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	W08 21.4741 E19 3.0618	+8	4m	18/7/2015			19.2	Sunny + few clouds breezy	0234 <del>0234</del>
2									
3									

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	12.1	-	-
10-14	10.9	-	-
20-24	8.3	-	-
30-34	7.6	-	-
40-44	6.9	-	-

Notes: 30-34cm = 30-31cm peat layer  
 10-14cm - had 2 soil textures (soil like plants)  
 20-24 - had 2 colors (redish/dark brown)

PORE WATER INFO

Danya (Amelia's boy)

Date	GPS N08 21.4741' E19 3.0618'	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
7/17/15		1-4	3	5.4
		10-14	12	4.8
		20-24	22	4.7
		30-34	32	4.6
		40-44	42	4.6

Site Name: PW2

Note Taker Name: Danya Amelio/JSK

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 21' 47.76" E 143° 06' 96"	1.10	> 1m	7/19	14:40	15:20	16.3	cloudy breeze	0254/0260
2									
3									

**Notes:**

30-34 2 features look like Fe etc

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	12.2		
10-14	10.4		
20-24	9.0		
30-34	8.0		
40-44	6.0		

**PORE WATER INFO**

Date	7/19	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
GPS	N 68° 21' 47.76" E 143° 06' 96"	1-4	—	—
Air Temp	16.3	10-14	12	4.3
WTD (cm)		20-24	22	4.4
ALD (cm)	7.1m	30-34	32	4.0
Time begun	14:56	40-44	42	4.7

ASK Amelio for her notes

Site Name: **PW3**

Note Taker Name: **Danya Amelia**

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 21.3750 E 142° 28.851	0 cm	67.0 cm	19/7/15	10:35	11:05	14.0	OVCAT occas. wind →	0238 0230
2	N 68° 21.3750 E 142° 28.851	15.5 cm	86 cm	19/7/15	11:30	12:05	15.4	Some clouds & windy	0212 0245
3	N 68° 21.3725 E 142° 28.810	+10 cm	64.5 cm	19/7/15	12:45	1:15	18.8	windy some clouds	0250 0251

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	13.3	15.3	14.0
10-14	11.3	13.3	11.1
20-24	7.8	10.8	9.8
30-34	7.6	9.5	7.4
40-44	6.1	7.6	10.0

**Notes:**

Water: best to cut core w/ knife - not push too hard. @ this and other wet sites. Twist cores gently down.

**PORE WATER INFO**

Date	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
19/7/15	1-4	3	4.3
	10-14	12	4.3
	20-24	22	4.2
	30-34	32	4.1
	40-44	42	4.2

not able to get H<sub>2</sub>O @ 40-44  
 hard to get H<sub>2</sub>O @ 30-34, 20-24  
 able to get H<sub>2</sub>O @ 10 & 14  
 → we checked other locations and when set up was functioning properly.

PW depths taken @ top of H<sub>2</sub>O  
 Not top of peat

where we ended up getting pore water is less vegetated

Site Name: PN 4

Note Taker Name: Danya / Pamela / R

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 36' 91" E 19° 2' 867"	-9.5	37 cm	7/18/15	10:30	11:05	15.4 C	overcast slight drizzle	0222 0223
2	N 68° 21' 8635" E 19° 2' 858"	-10.5	38 cm	7/18/15	11:40	12:10	15.6	"	0224 0225
3	N 68° 21' 3725" E 19° 2' 8576"	0	78 cm	7/18/15	1:05	1:30	19.4	"	0232 0233

**Notes:**

Core 2 1-5 cm - 2 layers - pH  
 \* Core to 31 SD small portion  
 Switched core 3 flags  
 Confused in pic

**PORE WATER INFO**

Date	Temp	Core 1 (C)	Temp Core 2	Temp Core 3	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
7/17/15	12.0	9.9	9.9	16.8	1-4	NA	NA
	-7	7.9	7.2	10.9	10-14	12	4.1
	44	5.7	5.2	8.7	20-24	22	4.2
	11:40	2.9	3.0	7.0	30-34	32	4.3
		NA	-	5.2	40-44	42	4.4

\*like adding 2 ml H<sub>2</sub>O and rust  
 after

Site Name: PWS

Note Taker Name:

CORING INFO

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 21.3765 E 14° 2.8679	-11.5	43	10/7/15	10:15	17:01	14.5	partly cloudy in dispersive wind	0218 0221
2									
3									

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	12.8		
10-14	9.3		
20-24	6.5		
30-34	3.7		
40-44	1.8		

Notes: 1-5 cm top is light bituminous

→ 2 layers were mixed up changed depth on 9/50.

PORE WATER INFO

Note taker Sky, Amelton

Date	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
10/7/2015	1-4	12	4.6
	10-14	22	5.3
	20-24	32	5.4
	30-34		
	40-44		

GPS: N 68° 21.3765 E 14° 2.8679

Air Temp 11.5

WTD (cm) 12.0

ALD (cm) 39

Time begun 11:50

Core Depth (cm)

Corresponding Porewater Depth (cm)

pH



Site Name: DW6

Note Taker Name: Danya Janelle Kelly

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68°21.3788 E 119°2.8622	+1 cm <small>Not recorded - similar to core 2</small>	50 cm	7/17/15	13:10	14:00	17.0	slightly cloudy	SKY'S ABOVE 02/11/0212
2	N 68°21.3788 E 119°2.8614	+10 cm	58 cm	7/17/15	14:30	15:00	16.9	"	02/11/0212
3	N 68°21.3788 E 119°2.8552	+10 cm	59 cm	7/17/15	15:25	16:00	15.3	"	02/11/0212

Notes: C1 - 20-24 min in center - 2 tubes #30-34 sectors

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	14.9	16.5	14.5
10-14	11.5	9.7	12.0
20-24	10.1	7.9	9.8
30-34	7.10	5.6	7.5
40-44	4.9	3.3	5.3

30-34 sectors taken out of ground hand-by knife deep core not empty

**PORE WATER INFO**

SKY'S ABOVE

40-44 cm in 30-34 vials - changed to cases for water

C2 - 20-23 vials 24 dark

Date	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
10/7/2015	1-4	3	5.5
	10-14	12	4.9
	20-24	22	4.7
	30-34	32	4.5
	40-44	42	4.7

GPS N° WGS 84	Core Depth (cm)
21.553780 E 119°2.8641	1-4
	10-14
	20-24
	30-34
	40-44

Air Temp	WTD (cm)	ALD (cm)	Time begun
11.5	58	12:43	

Site Name: High Resolution

Sphagnum

Core

Note Taker Name: Danya / Amelia / Sky

**CORING INFO**

Core	GPS	Water table depth (cm, neg = below peat surface)	Active layer depth (cm below peat/soil surface)	Date: Microbial/Geochem Coring	Time Coring begun	Time Coring ended	T in air day of coring (deg C)	Weather conditions on day of coring	Photo
1	N 68° 21' 18" E 19° 22' 49" W	-11 cm	7 cm	7/25	11:35	11:58	19.5	Sunny + beautiful	on sky phone
2	N 68° 21' 18" E 19° 22' 49" W	-10 cm	> 1 m	7/25	12:40	13:12	17.0	"	"
3									

**Notes:**

Core ~~was~~ <sup>not</sup> 102 cm or more  
 35 length

Core Depth (cm)	Temp Core 1	Temp Core 2	Temp Core 3
1-4	12.5	17.0	
10-14	10.2	11.8	
20-24	8.7	8.10	
30-34	7.2	7.1	
40-44	5.8	5.8	

20-24 4.5  
 4.7

**PORE WATER INFO**

Date 7/25/15

GPS	Air Temp	WTD (cm)	ALD (cm)	Time begun	Core Depth (cm)	Corresponding Porewater Depth (cm)	pH
					1-4		
					10-14		4.3
					20-24		4.2
					30-34		5.3
					40-44		4.2

50-54  
 5-9