Field Journal – Alaska Permafrost Research Expedition

Pito #1 - Lloon	reek Unburned (HCU)		TOTAL CONTRACTOR OF THE PROPERTY OF THE PROPER	
	reek Unidanea (ACU)	er ere, make a sales of a selection of the selection of t		
		· · · · · · · · · · · · · · · · · · ·		

		¥ F 10/44 / Million 1	Tarific American	
			A PROVIDE	THE THEORY OF THE THE THEORY OF THE THE THEORY OF THE THE THEORY OF THE THE THE THEORY OF THE THEORY OF THE THEORY OF THE
		THE SHALLO, and I was a Hart		· · · · · · · · · · · · · · · · · · ·
			TAN-MANAGEMENT MALALAN	
		- I TANK MARINE A SAL	· · · ·	
			77770 MANAGAMAN (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
				, , , , , , , , , , , , , , , , , , ,
	CHARLES THE COMMERCE OF THE CHARLES THE CONTROL OF THE CHARLES THE			
· · · · · · · · · · · · · · · · · · ·			1000000000	
THE PROPERTY OF THE PROPERTY O				
		V=-000000 = 10 600000	THE STORY HAVE AND ASSESSED.	
		APP - PV-10-A-1-1 \alpha APP	1 10 100	
	and the things of the state of			
	oper ten mine mer i ten mit Vinente, en minempero ye i til mil til min mila i mila promone en mi			
			THE TRANSPORT OF THE PARTY OF T	III - III - III III III III III II II II
				·······································
		· · · · · · · · · · · · · · · · · · ·	······································	
			· · · · · · · · · · · · · · · · · · ·	,
		The state of the s	, , , , , , , , , , , , , , , , , , ,	
		THE RESERVE OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERT	11-11-11-11-11-11-11-11-11-11-11-11-11-	-

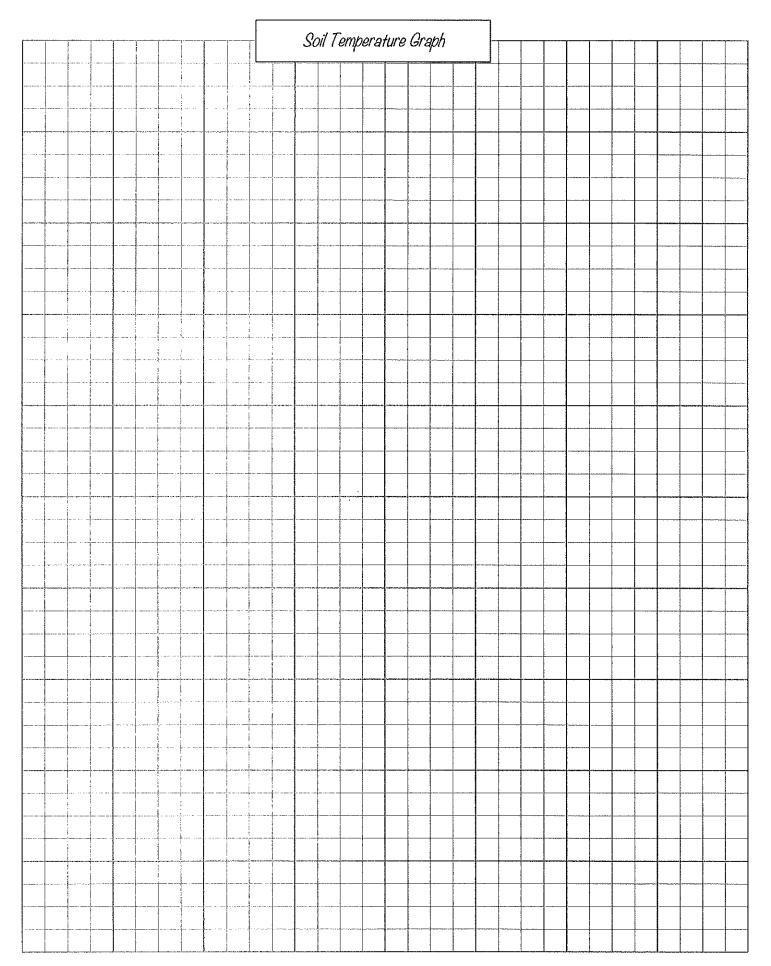


	· · · · · · · · · · · · · · · · · · ·
Site #2 - Hess Creek Burned (HCB)	
·	
)	
AND A 22 A 201	
Analysis: Sim/Diff between sites?	



Table 1: Soil Temperature at 15 cm depth at the Hess Creek Unburned (HCU) Site, and at the Hess Creek Burned (HCB) Site. Data is provided for both sites at two-week intervals starting on July 15th, 2017 and ending on July 14th, 2018.

RECORD	DATE	HCU Soil Temperature	HCB Soil Temperature
1	15-Jul-2017	5.6	6.4
2	29-Jul-2017	5.2	6.2
3	12-Aug-2017	4.2	6.3
4	26-Aug-2017	3.0	4.8
5	9-Sep-2017	1.6	2.9
6	23-Sep-2017	1.0	2.1
7	7-Oct-2017	0.5	0.8
8	21-Oct-2017	-0.6	0.0
9	4-Nov-2017	-0.4	0.0
10	18-Nov-2017	-1.1	-0.2
11	2-Dec-2017	-1.5	-0.4
12	16-Dec-2017	-1.1	-0.4
13	30-Dec-2017	-3.6	-1.3
14	13-Jan-2018	-4.7	-1.8
15	27-Jan-2018	-5.3	-1.4
16	10-Feb-2018	-8.3	-2.3
17	24-Feb-2018	-5.2	-0.8
18	10-Mar-2018	-5.1	-1.0
19	24-Mar-2018	-5.4	-0.8
20	7-Apr-2018	-5.3	-1.1
21	21-Apr-2018	-4.8	-0.9
22	5-May-2018	-0.1	-0.1
23	19-May-2018	0.4	0.0
24	2-Jun-2018	1.6	0.9
25	16-Jun-2018	2.2	1.8
26	30-Jun-2018	3.6	3.9
27	14-Jul-2018	4.3	5.7



What is the mi	nimum and maximun	n soil temperature at eac	h site?		
		ia, around what date wou nd of winter? Why?	uld you classify as t	he start of winter? U	lhat date
Vhy do you thi and May? Exp		ture at HCB is warmer t	than the soil tempera	ture at HCU between	November

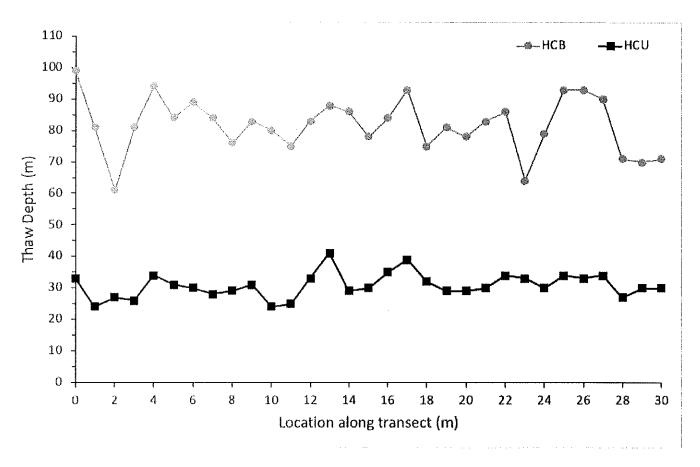


Figure 1: Measurements of thaw depth (m) along a 30-meter transect at Hess Creek Unburned (HCU) Site and at Hess Creek Burned (HCB) Site. Thaw depth was measured at each site in July of 2018.

the forest where to recover at the burned site (HCB), what do you think could happen to the permafrost? Thy?	-	
	-	
71		
71		
hy?		71 ,
	l	hy?

o contract and the cont	After completing the further reading, what might be the implications of your data to the larger boreal forest system in the Arctic and climate change?		
	40 C C C C C C C C C C C C C C C C C C C		
	TOWN COME.		
	THE THE STATE OF T		