Alpine Monitoring - Cover information for a single transect

Use additional sheets for one transect if necessary

Bolded information is required!

Protected Area Name: CLAYTON FALLS CONSERVANCY

Transect (Site) Name: CLAYTON FALLS T1

Transect (Site) ID (Lat/Long, GPS coordinates, photos): start 52.26819 / 126.88539 **end**

Transect Aspect: 144° terrain aspect: 324°

Date: 24 JULY 2018

Weather conditions: SUNNY, HOT

Time:

Observer/Recorders: K Iverson L. Hamstol

General Observations: lichens dry

first plot along transect starts at: 3m

pins marking plots are placed in what pattern?: lower left corner when facing up the transect

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RIGHT side of transect

Percent cover in each plot 3m 11m 17m 24m 31m 39m (15) 45m (21) 52m (28.1) 59m (7m) 66m (14m)

Species-Sci name	Common Name	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10	Plot 11	Plot 12	Plot 13	Plot 14	Plot 15
Poaceae, Carex, Juncaceae	Grasses, sedges, rushes															
Phyl gla	yellow mt heather	1														
Cass mer	white mt heather	3	10	15	70	60	16	90	75	80	85					
Kalm pro	alpine azalea	5														
Tsug mer	mountain hem.		85	15												
Phyl emp	pink mt heather		5		0.2	0.5		0.2	5	12	0.2					
Vacc ova	oval-leaved huckleberry		5							0.5						
Carex (sm. no heads)	sedge		0.2													
Pedi orn C4				0.5		0.2	1	0.5	0.5		1					
Harr ste	Alaskan moss-heather			1		4	3	0.5	0.5		10					
Luet pec				0.2		0.1		0.2	0.2	0.1						
(Lycopodium) C12 = Diph sit				0.2	15		1									
Care spe C7					0.2		1									

Clayton Falk T1

Dicots and Monocots	Forbs	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7 ↓	Plot 8	Plot 9	Plot 10	Plot 11	Plot 12	Plot 13	Plot 14	Plot 15
Hier ~~Ai~~ gra								0.5	0.1		0.1					
Vaal atr									0.1	0.1						
	Trees/Shrubs															

Clayton Falls T1

Bryophyta	Mosses	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10	Plot 11	Plot 12	Plot 13	Plot 14	Plot 15
Rhacomitr Ei D3		0.2		3	1											
Dicranum [illegible] D4		0.2					0.2									
~~Barbtaphor~~ D6	liverwort		15				1		0.5							
Soil cro	chec chip lichen			0.5												
small moss D7	liverwort			2												
Dicr-tino capsule D9							3									
Mnium										0.1						
Rhyt ring D10											0.5					
White crust D8 = Lepraria neglecta																
Ascomycota	**Lichens**															
Cladmitis		22														
Cladramigerina		2														
Cladonia spp.		1				0.1	1	1	0.2		0.2					
Cetraria islandica		1				0.1	1	0.1			0.1					
Stereocaulon paschale		0.1		0.1												
Substrates																
Rock		—	-	0.5	0.5	30	10	-								
Bare Soil		0.1	-	-	-		-									
Biocrust		95	15	5	1		7	1								
Litter		4.9	85	93.5	98.5	70	83	99	100	100	100					
Scat		—	-	-	-											
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Alpine Monitoring - Cover information for a single transect

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Protected Area Name: Clayton Falls LTEM

Transect (Site) Name: Clayton Falls 2

Transect (Site) ID (Lat/Long, GPS coordinates, photos): start 52.26685 / -126.88417 **end** 52.26798 / -126.88408

Transect Aspect: 27° Fall Line = 39°

Date: July 25, 2018

Weather conditions: hot & sunny

Time: 11:55

Observer/Recorders: Lori Homstad & Kersti Iverson

General Observations:

first plot along transect starts at: 5 m

pins marking plots are placed in what pattern?: bottom left corner

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Percent cover in each plot

Species-Sci name	Common Name	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10	Plot 11	Plot 12	Plot 13	Plot 14	Plot 15
Poaceae, Carex, Juncaceae	Grasses, sedges, rushes															

25 July 2018
Clayton Falls 2

5m 10m 15 21.3 25 30.5 35 40 45 50.2 55 60 65

→ hard to tell alive vs dead, included cover of grey branches as most are attached to living plant

Dicots and Monocots	Forbs	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10	Plot 11	Plot 12	Plot 13	Plot 14	Plot 15
Cass mer	white mnt heather	95	2	7	3	30	35	65	75	65	35	15	60	30	40	
Luet pac		0.2				0.5	0.2	0.2	1			2		0.2	0.2	
Phyl emp	pink mnt heather		0.5	0.5	1	7	5	30	30	8	4	5	20	5	15	
Luzula pipericlb			0.2								0.2					
Saxi tol C8				0.1												
Harr ste	Alask. moss heather			1	7		2		0.2			0.1	0.2	0.2		
Podi orn C4				0.2						0.2	0.5		0.2	0.2	0.5	
Care spe C7					2	0.1				0.2						
~~Lycopod~~ C12	= Diph sit					0.5	8			5		1		6	3	
~~Anem par~~	Ran unculus cooleyae							1	2	0.1		0.2		0.2		
Asteraceae (no flo)	= Hier tri							0.2		0.2		0.2		0.2	2	
Vahl atr									0.1		0.1	0.5		0.1	0.1	
Vacc mem											1			0.1		
Sorb sit														0.2		
	Trees/Shrubs															

25 July 2018
Clayton Falls 2

Bryophyta	Mosses	Plot 1	Plot 2	Plot 3	Plot 4	Plot 5	Plot 6	Plot 7	Plot 8	Plot 9	Plot 10	Plot 11	Plot 12	Plot 13	Plot 14	Plot 15
Dicranum fuscescens		0.1			90		3	1		3	8	18	5	2	6	
Brown moss D10 =	Dicranella		50	65		1						2				
Rhacomit D3 =	Racomitrium						0.5				1					
Moss w spor D11 =	Conostomum tetragonum				1											
Peltigera													1			
Brown crust D12 =	Protopannaria pezizoides										0.2					
Ascomycota	**Lichens**															
Cladonia		0.5			0.2			0.1				0.1	0.1			
Cetraria islandica		0.1								0.5		0.2				
Sola cro			12	4			0.8									
Stereocaulon paschale				0.2												
White crust D8 =	Lepraria neglecta					0.5					0.5			0.1		
Substrates																
Rock		2	37	30	2	0.1	2				3	6				
Bare Soil																
Biocrust			62	69	94	2	4	1		4	9	20	6	2	6	
Litter		98	1	1	7	97.9	94	99	100	96	88	74	94	98	94	
Scat																
Total		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0