

over →

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-4-12 Location: un. 2 Measurers:

Tree: 22-02

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55			
South 80-90			
North 45-55			
North 80-90			

DBH (cm):

Bole circ (cm):

Tree height (m): 5.2

GPS: N 41° 08.342

W 111° 56.638

Elev: 1357

Canopy density: N: 20 W: 21 S: 6

E: 12

Core taken? YES

Clasificación Trees: 5.3, 0.0 (K2+S),
2.0 (K2+S), 3.1

Large Trees: 19.8, 6.5, 2.7, 3.1

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: ~~10/10~~ Location: ~~South~~ Measurers:

Tree: LL-24 10' South of B-83

Paired Int nearby

Quadrat (cm above ground)	Total cover	% Roughness	Lichen
South 45-55	40	85	X. mont: 1.0 X. gal: 2.0 Cord: 0.25 Physa ascend: 1.0 P. mel (Brown-green Foliose): 1.5 Nut Licker: 69% Turd Gummer: 69%
South 80-90	35	90	X. gal: 2.0 Little Black Bull: 0.01 X. mont: 0.75 Cord: 0.25 Bung chewer: 69% ASS muncher: 69% Choad Licker: 69%
North 45-55	50	65	X. gal: 3.0 Lec Black/Rhno: 0.25 X. mont: 4.0 P. mel (Brown-green Foliose): 3.0 Lec. Brown: 0.25 Cord: 0.25 C. Holo: 0.25 green Foliose: 0.25 Unk. Physa: 0.25
North 80-90	50	70	X. gal: 3.0 Lec. Brown: 0.25 P. mel (Brown-green Foliose): 4.0 unk. gray Foliose: 1.0 Cord: 0.5 X. mont: 2.0 Lec Black/Rhno: 0.25

DBH (cm): 16.6

Bole circ (cm): 30.5

Tree height (m): 6.5

GPS: N 41° 08.331' W 111° 56.719'

Elev: 1370

Canopy density: N: 94 W: 63 S: 48 E: 96

Core taken? YES

Closest Trees: 0.5 (Hawthorn), 0.0 (Rhod), 1.9 (Willow) Large Trees: 4.0, 1.6, 2.5

2.7

2.7

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-4-12 Location: W. 1st Measurers:

Tree: LL-23

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	0.5	20	X. gal: 0.5
South 80-90	0.1	25	X. gal: 0.1
North 45-55	0.75	35	X. gal: 1.5 Cand: 0.1
North 80-90	0.05	5	X. gal: 0.05

DBH (cm): 7.0

Bole circ (cm): 31.5

Tree height (m): 5.2

GPS: N 41° 08.348 W 111° 56.729 Elev: 1368

Canopy density: N: 91 W: 96 S: 20 E: 27

Core taken? Yes

Closet Trees: 4.1, 2.0 (Khus), 3.0, 0.0 Large Trees: 4.1, 13, 3.0, 0.0

over →

DMN-7e

DMN-7e

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 3-12 Location: on tree Measurers: Larry, Lani, +
 Tree: 26-13

Quadrat (cm above ground)	Total cover	% Roughness	Lichen
South 45-55	1	30	X. gel: 0.5 Lec. Black: 0.1 Cand: 0.1
South 80-90	4	15	X. gel: 1.0 Lec. Black: 1.0 Cand: 2.0
North 45-55	1.5	40	X. gel: 0.25 Lec. Black: 0.1 Cand: 1.0
North 80-90	10	10	Lec. Black: 1.1 (all most all as smooth bark) Cand: 3 → as 150 mostly as smooth bark X. gel: 0.5

DBH (cm): 4.3

Bole circ (cm): 28

Tree height (m): 2.8

GPS: N 41° 08.378' W 110° 56.830' Elev: 1369

Canopy density: N: 95 W: 80 S: 10 E: 96

Core taken? Yes

Closest trees: 3.1 (with 0.5, 0.5, 0.6) Large trees: 15.6 (4.0, 0.1, 0.1)

12-3-12

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: ~~8-12~~ 12 Location: Central Measurers: Lamir, Zaid
 Tree: 62-14

Quadrat (cm above ground)			Total cover	Roughness	Lichen
South 45-55			0	2	0
South 80-90			0	5	0
North 45-55			0.1	10	X.3rd: 0.1
North 80-90			0	10	0
DBH (cm): 4.3					
Bale circ (cm): 24.5					
Tree height (m): 3.5					
GPS: N 41° 08.382			W 111° 56.795'		
Canopy density: N:1			W:0 S:9 E:8		
Core taken? <u>Yes</u>					
C105555 Trees: 4.5, 4.8, 2.6, 4.3			Large Trees: 8.0, 14.8, 10, 4.3		

Elev: 1360

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-3-12 Location: Linfak

Measurers:

Tree: 22-15

Quadrat (cm above ground)	Total cover	% Roughness	Lichen	
South 45-55	12	70	X. gal: 10 P. mel (dark-green): 15 Cand: 0.1	
South 80-90	7	60	X. gal: 3.0 P. mel (dark-green): 2.0 Cand: 1.0	X. mont: 1.50 unknown moss: 0.25 green foliage: 1.0
North 45-55	45	65	X. gal: 32.0 P. mel (dark-green): 0.25 P. mel (dark-green): 14.0 Cand: 1.5	LEC. black: 0.25 LEC. light: 0.1 P. ascend: 0.05 Rhodo (G): 0.1
North 80-90	65	50	Cand: 0.5 + 1.0 C. holo: 0.1 X. mont: 3.0 X. gal: 3.0	LEC. black: 0.25 + 0.25 P. mel (G) (dark-green): 2.5 P. ascend: 0.1
DBH (cm): 10.3				
Bole circ (cm): 53.0				
Tree height (m): 4.3				
GPS: N 41° 08.323' W 111° 56.793'				
Canopy density: N: 1 W: 42 S: 24 E: 12				
Core taken? YES				
C/O east Tree: 2.3/12, 30, 42				
Elev: 1358				
100% Trees: 40/14.34				
cm 11.8 4.2				

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 3-12-12 Location: 2012-2 Measurers: Lacy, Lamm, J

Tree: 11-16

Quadrat (cm above ground)	Total lichen cover	Roughness	Lichen
South 45-55	0.01	3.0	X.34: 0.01
South 80-90	0.1	2.0	X.34: 0.1
North 45-55	0.11	3.0	X.34: 0.01 Cand: 0.1 0.1 no apothecia → collected
North 80-90	0.25	2.0	X.34: 0.25
DBH (cm): 3.0			
Bole circ (cm): 18			
Tree height (m): 2.7			
GPS: N 41° 08.356 W 111° 56.796'			
Canopy density: N: 18 W: 196 S: 96 E: 61			
Core taken? YES			
C/O 5557 Tree: 1.5, 4.6, 3.1, 1.8			
Elev: 1368			
Large Trees: 2.8, 4.6, 1.8, 1.8'			

(m)

(m)

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 3-12-12 Location: On the Measurers:

Tree: 12-12-12

Quadrat (cm above ground)	Total cover	% Roughness	Lichen
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South 45-55	0.1	15	X. 321: 0.1
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South 80-90	0.1	10	X. 321: 0.1
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North 45-55	1.0	25	X. 321: 0.25 Cand: 0.25 K210.0/12: 0.1 the 1000: 0.01
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North 80-90	0.0	10	X. 321: 0.01
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DBH (cm): 8.1

Bole circ (cm): 32

Tree height (m): 6.2

GPS: N 41°08.342' W: 111°05'56.804' E: 122.1360

Canopy density: N: 71 W: 82 S: 95 E: 73

Core taken? YES

41088471205111444371.5

12/12/12

Lichen community sampling Lichen quadrats are each 10cm by 10cmDate: 12-3-12 Location: Wentz Measurers: Linnif LindTree: LL-18

Quadrat (cm above ground)	Total cover	Roughness	Lichen
South 45-55	0.01	15	X.321: 0.01
South 80-90	0	10	0
North 45-55	0.01	6.0	X.321: 0.01
North 80-90	0	20	0

DBH (cm): 4.4Bole circ (cm): 17.5Tree height (m): 4.0GPS: N 41° 08.289W 110° 56.639Elev: 1362Canopy density: N: 28 W: 70 S: 75E: 51Core taken? Yes - bark coreCloses + Trees: 13.4, 2.2, 4.2Large trees 13.4/Elev: 1362(m)Large trees9.5, 4.26.9

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-3-12 Location: Clinton Measurers:

Tree: 12-19 -> double leader (BRH as both leaders)

Quadrat (cm above ground)	Total cover	Roughness	Lichen
South 45-55	φ 25	φ	
South 80-90	0.1	5	X.341, 0.1
North 45-55	φ 10	φ	
North 80-90	0.01 4.0	X.341, 0.01	
<div>Source Note</div>			
DBH (cm): 10.2 Total oc both leaders + what 111			
Bole circ (cm): 13.0			
Tree height (m): 4.4			
GPS: N 41° 08' 28" W 111° 56' 6" Elev: 1364			
Canopy density: N: 14 W: 96 S: 29 E: 96			
Core taken? YES			
C105454 Treas: 3, 6, 2, 0, 2, 2, 0, 4 Page Treas: 6, 0, 2, 0, 2, 2, 19			

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 3-12 Location: Winnapa Measurers: Leah, Leah
 Tree: LL-20

Quadrat (cm above ground)	Total cover	Roughness	Lichen
South 45-55	ϕ 40	ϕ	
South 80-90	ϕ 15	ϕ	Super Zec 0611
North 45-55	ϕ 5	ϕ	
North 80-90	ϕ 5	ϕ	

DBH (cm): 8.1

Bole circ (cm): 30

Tree height (m): 3.8

GPS: N 41° 08.318 W 111° 56.693' Elev. 1357

Canopy density: N: 0 W: 4.0 S: 0 E: 1.68

Core taken? Yes

CPSCS7 Trees: 2.0, 1.25, 3.4, 3.7

Large Trees: 4.0, 9.3, 22.0, 3.7

(m)

(m)

(m)

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-3-12 Location: Santa Rosa

Measurers:

Leo, Lann

Tree: 12-21

Quadrat (cm above ground)	Total cover	Rough ness
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Lichen

South 45-55	0	35	0
South 80-90	0	25	0
North 45-55	0.01	35	43-1; 0.01
North 80-90	0	20	0

DBH (cm): 7.4

Bole circ (cm): 41

Tree height (m): 4.3

GPS: N 41° 08.321 W 111° 56.651

Canopy density: N: 15 W: 60 S: 1 Elev: 1354

Core taken? Yes

C10 845T Trees: 6.0, 1.1, 2.0, 2.0

Large trees: 14.1, 3.0, 3.0, 2.0

(m)

(m)

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12/3/2019 Location: NY, NY
Measurers: Lemaitre, Laro

Measurers: Lunit, Lab

Tree: 456-08

<u>Quadrat (cm</u>	<u>Total</u>	<u>%</u>
<u>above</u>	<u>cover</u>	<u>Rough</u>
<u>ground}</u>		<u>ness</u>

Lichen

DBH (cm): 4.1

Bole circ (cm): 22, 5

Tree height (m): 3 m

GPS: N 41° 08.315' W 111° 56.630'

Canopy density: $N=0$, $W=75$, $S=80$, $E=0$ From 1.5-2m away from tree

Core taken? Yes From about 15-20cm height. 2 Cuts taken \rightarrow one chit, one good

Four closest trees: 250, 22, 11, 2, 7, 19

Distance to nearest trees: 5.5, 19.1, 21.2, 4.1

(2)

over $\{m\}$ meters + > 10cm diameter (DBH)

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 10-3-14 Location: WMA 74k
 Measurers:

Tree: 11-09

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0.25	70	X.gal = 0.25
South 80-90	2	75	X.gal = 2
North 45-55	7	70	Rhino = 0.1 → maybe a black Lec, Cand = 0.1 X.gal = 7
North 80-90	1.0	40	X.gal = 1.0
DBH (cm): 10			
Bole circ (cm): 48			
Tree height (m): 4.4 total			
GPS: N 41° 8.340 min W 111° 56.612 min			Elevation = 1361 m
Canopy density: 2196			296 5194 E 195
Core taken? YES			
Closest trees: 3.1, 1.3, 0.3, 0.8			Large trees: 34.9, 1.3, 0.3, 0.8
cm			cm

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-3-12 Location: 021203 Measurers:

Tree: 12-3-12 12-3-12

Quadrat (cm above ground)	Total cover	% Rough mess	
Lichen			
South 45-55	25	10	φ
South 80-90	10	10	φ
North 45-55	1.5	75	X. 321, 0.5 Cand's 0.5 Lec (3): 0.07 - possible
North 80-90	2	φ	

DBH (cm): 7.0
 Bole circ (cm): 30.1
 Tree height (m): 3.6
 GPS: N 41° 08.339' W 111° 56.649' Elev: 1362m
 Canopy density: N: 5 W: 22 S: 86 E: 0
 Core taken? YES
 Closest trees: 16, 7.1, 3.7, 0.8
 Large trees: 12, 9, 11.3, 4.3, 6.3, 3.3
 cm

Lichen community sampling

Date: 12-1-12 Location: Antar Lichen quadrats are each 10cm by 10cm

Measurers: gnv468 Rant

Tree: gnv468 Rant (1m south of gnv468) - 70g

Quadrat (cm above ground)	Total cover	Roughness	Lichen
South 45-55			
South 80-90			
North 45-55			
North 80-90			
DBH (cm):			
Bole circ (cm):			
Tree height (m):			
GPS: N 41° 08.308 W 111° 56.655			Elev: 1324
Canopy density: N: 96 S: 86			E: 1.0
Core taken? <u>YES</u>			
Closest Trees: 8.0 (Willow), 1.01, 3.2, 2.8			Large Trees: 12.8, 1.0, 10.4, 2.8 (m)

Lichen community sampling Lichen quadrats are each 10cm by 10cm

Date: 12-3-12 Location: canyon Measurers:

Tree: 872-13

Quadrat (cm above ground)	Total cover	Roughness	Lichen
South 45-55			
South 80-90			
North 45-55			
North 80-90			

DBH (cm):

Bole circ (cm):

Tree height (m): 2.4

GPS: N 41° 08.306' W 111° 56.621'

Canopy density: N 12° W 96 S 90 E 96

Core taken? Yes

Closet + 1000 0.44 4.0 0.5 0.5 Large Trees: 14 4.0 0.5 4.0

Date: 12-4-12
 Tree: 22-25
 Quadrat: 45-55

Quadrat	Total Count	Tree %	Notes
South 45-55	0.01	20	X.3a1: 0.01 → collected From quadrat
South 80-90	φ	3	φ
North 45-55	φ	8	φ
North 80-90	φ	5	φ

DBH: 3.4

Bolt core: 20.0

Height: 2.4

GPS: N 410 08.311'

Elev: 1360

Canopy Density: N: 6

Core taken: Yes

Closest Tree: 3.0, 3.9, 5.0, 1.9

Large Tree: 13.8 (Firemint), 15.2, 10.8, 7.0

W 111° 56.628'

W: 10 S: 22 E: 0.0

Tree: gn0-85 (1' foot away from gn0-85)

Quadrat	Total	Recess	Lichen
South 45-55			
South 80-90			
North 45-55			
North 80-90			

DBH: -

Bore circ: -

Height: 6.2

GPS: N 41° 08.322' W 111° 56.683'

Elev: 1362

Canopy density: N 10.0 W 10.0 S 19.1 E 18.6

Closest Trees: 3.7, 10.5, 4.1, 7.0 (cont. 5.8, 10.5)

Canopy Trees: 3.7, 16.4, 11.1 (all 150' away)

Cone Taked: Yes

← 3m tall
← gn0-85
← 10ft
← lichen

Tree: LL-26 WINTER Leaf, Lam. L

Quadrat	Total	Roost	Lichen
South 45-55	23	90	X. mont: 9 X. 3-1: 14 P. mel (Browns) 0.25 Eulose
South 80-90	3	80	X. 3-1: 2.5 X. mont: 0.5
North 45-55	30	60 60	X. mont: 18 X. 3-1: 6.0 Cand: 2.0 Lec. Black: 0.5
North 80-90	20	35	X. 3-1: 7.0 X. mont: 4.0 Cand: 1.0 Lec. Black: 0.5

DBH: 15.1 Cand: 1.6 W: 92 W: 96 S: 92 E: 96
 Bole Circ: 48
 Ht: 27: 3.3
 GPS: N 41° 08.332' W 111° 56.550'
 Elev: 1365
 Closest trees: 1.6, 0.2, 0.0 (Sage), 0.0
 Large trees: 2.8, 27.9, 32.5, 0.0

To
Matt
Lau

This is the
full set.