

To

Matt

Lau

over →

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

Date: 12-4-12 Location: on tree 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:2

Core taken? YES

CLOSERS + TREES: 5.3, 0.0 (K2+S),
2.0 (K2+S), 3.1

Large TIERS: 19.8, 6.5, 2.7, 3.1

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

Date: ~~12-4-12~~ Location: ~~0274~~ Measurers:

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

Passer Dwy
nearby

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen	
South 45-55	40	85	X. mont: 1.0 Cand: 0.25 Physia ascend: 1.0 P. mel (Brown-green Foliose): 1.5	X. gal: 2.0 Nut Licker: 69% Tord Gummer: 69%
South 80-90	35	90	X. gal: 2.0 X. mont: 0.75 Cand: 0.25 ASS moncher: 69%	Little Black Bull: 0.01 Bung chewer: 69% Choad Licker: 69%
North 45-55	50	65	X. gal: 3.0 X. mont: 4.0 LEC Brown: 0.25 C. Hold: 0.25	LEC Black/Rano: 0.25 P. mel (Brown-green Foliose): 3.0 Cand: 0.25 green Foliose: 0.25 unk. Physia: 0.25
North 80-90	50	70	X. gal: 3.0 P. mel (Brown-green Foliose): 4.0 unk. grey Foliose: 1.0 X. mont: 2.0	LEC Brown: 0.25 Cand: 0.5 LEC Black/Rano: 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? YC				
Closest Tree: 0.5 (Hawthorn), 0.0 (Rhos), 1.9 (Willow) Large Trees: 4.0, 1.6, 2.5 2.7				

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 12-4-12 Location: ~~cr.~~ ~~10~~ Measurers:

Tree: LL-23

over →

Quadrat (cm above ground)	Total cover	^{0/2} 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

Canopy density: N: 91 W: 96 S: 20 E: 127 Elev: 1368

Core taken? Yes

Closet Trees: 4.1, 2.0 (Xhus), 3.0, 0.0

Large Trees: 4.1, 13, 3.0, 0.0

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

Date: 12-4-12 Location:

Measurers:

Tree: 920-76

gnu-76

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): 7.5

GPS: N 41° 08.284' W 111° 56.671'

Elev: 1366

Canopy density: N: 11 W: 90 S: 91 E: 67

Core taken? YES

Closest Trees: 7.3 (Willow), 2.0, 5.0 (Box Elder) Large trees: 10.4, 12.8 (Front) 3.8 (m) 5.0 (Box Elder), 3.8

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

Date: 4/1/14 Location: Sn. 70 Measurers:

Tree: 46-07

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): 6.1

GPS: N 41° 08.285' W 111° 56.542'

Elev. 1364

Canopy density: N: 17 W: 96 S: 3.0 E: 11.0

Core taken? ~~Yes~~ Yes

Closest Tree: 12, 2.0, 3.5, 0.5

Large Trees: 17.2, 2.0, 3.5, 0.5

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

Date: 12-4-12 Location: 012721 Measurers: Lunt, Lunt

Tree: LL-05 (Flagging says "LL55")

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): 4.4

GPS: N 41° 08.336 W 111° 56.527

Elev: 1363

Canopy density: N: 96 W: 2.0 S: 96 E: 21

Core taken? Y2

Closest Trees: 8.2, 19.0, 4.93

Large Trees: 10, 19.0, 9.2

46 (m)

(m)

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

Date: 4/12 Location: 007201 Measurers:

Tree: 11-06 (ZNU29)

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): 6.9

GPS: N 41° 08.315 W 111° 56.535 ELEV. 1368

Canopy density: N: 0 W: 63 S: 19 E: 63

Core taken? YES

Closet : 46.9 (Hedge), 13.5, 3.0 (willow), 5.0 Lichen : 73.6, 15.8, 30.8, 21.0
T100 → F1000

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 12/3/14 Location: unth Measurers: Larrity, LCV
 Tree: LL-01

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): 7.9 ± 1.1

GPS: N 81° 08.295' W 111° 56.760' ELEV: 1356

Canopy density: N: 66 W: 72 S: 21 E: 29

Core taken? ☒

Closest trees: 6.6, 5.7, 5.4, 3.5

Large trees: 6.6, 5.7, 13.0, 3.3

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

Date: 12-12-12 Location: Umrah Measurers: Lamit, Lav

Tree: gn-19

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55			
South 80-90			Look me in the eyes.
North 45-55			
North 80-90			

DBH (cm):

Bole circ (cm):

Tree height (m): 11.6

GPS: N: 41° 08.786 W: 111° 56.629 Elev: 1359

Canopy density: N: 45 W: 30 S: 88 E: 28

Core taken? yes

10 best trees: 6.0 (Hawthorn), 9.4, -0.7, 3.0 (Hawthorn), Large Tree: 9.3, 13.0, -0.7, 14.0

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 12-3-12 Location: 0.0722 Measurers: Cam, L, L
 Tree: 97059

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): 62
 GPS: N 41° 08.294 W 111° 56.651 Elev: 1367
 Canopy density: N:23 W:12 S:29 E:52
 Core taken? YES
 Closest Tree: 3.5 (Willow), 2.0 (Willow)
 (m) 1.5 (Willow), 0.75 (Willow) Large trees: 13.4, 4.7 (Box Elder)
 (m) 8.5, 18

North 45-55	Ø	8	Ø
North 80-90	Ø	5	Ø

DBH: 3.4
 Bole circ: 20.0
 Height: 2.4
 GPS: N 41° 08.311' W 111° 56.678'
 Elev: 1360
 Canopy density: N: 6 W: 10 S: 22 E: 0.0
 Core taken: YES
 Closest Trees: 3.0, 3.9, 5.0, 1.9
 Large Trees: 13.8 (Fremont), 15.2, 10.8, 7.0

North 80-90			
DBH (cm):			
Bole circ (cm):			
Tree height (m): 5.4			
GPS: N 41° 08.288 W 111° 56.618 Elev: 1362			
Canopy density: N: 86 W: 84 S: 91 E: 76			
Core taken? YES			
Closest Trees: 2.1, 6.9, 0.4, 2.2 (Hawthorn)			
Large Trees: 2.1, 6.9, 0.4, 11.9			

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

Date: 4/12 Location:

Measurers:

Tree: 110 03

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55			
South 80-90			
North 45-55			<p>Closest to Trunk: 1.3, 1.3, 0.8, 5.0 (Hawkwood) 0.4 (X 2.50)</p> <p>Large tree: 1.3, 1.3, 0.8,</p>
North 80-90			<p>Large tree: 3.0, 6.1</p>

DBH (cm):

Bole circ (cm):

Tree height (m): 8.3

GPS: N 41° 08.307

W. 71° 56.690'

Elev. 1265

Canopy density: 0.96 N: 76 0.96 E: 88

Core taken? yes

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

Date: 12-4-12 Location: 0.2722 Measurers:

Tree: 920-76

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): 5.4

GPS: N 41° 08.298' W 111° 56.614'

Elev: 1363

Canopy density: N: 5.0 W: 48 S: 96 E: 48

Core taken? Y

Closeness to tree: 4.0, 4.5, 10.6, 0.0

Large tree: 4.0, 4.5, 10.6, 0.0

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

Date: 12-4-1

Location: 0015

Measurers:

Tree: 66-04

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55			Closest Trees: 2.2 (K200), 2.0, 0.0, 1.9 (K200)
South 80-90			Large Trees: 9.2, 4.7, 2.3, 1.9
North 45-55			
North 80-90			
DBH (cm): —			
Bole circ (cm): —			
Tree height (m): 3.4			
GPS: N 410 08.379 W 1110 56.768			
Canopy density: N: 2 S: 96 SE: 96 E: 96 Elevation: 1371			
Core taken? Yes - Lost Bark cap			

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

Date: 12-3-12 Location: 00722 Measurers: Low, Low, 2

Tree: 66-22

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	φ 20	φ	
South 80-90	φ 25	φ	
North 45-55	φ 40 35	φ	
North 80-90	φ 20	φ	

DBH (cm): 3.9

Bole circ (cm): 28

Tree height (m): 3.0

GPS: N 41° 08.333 W 111° 56.527 Elev: 1360

Canopy density: N: 4 W: 70 S: 4 E: 0

Core taken? YES

Closest Tree: 4.4, 13.7, 1.0, 2.2
(m)

Large Trees: 35.5, 13.7, 1.0, 2.2
(m)

12-3-12

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

Date: ~~12-3-12~~ Location: ~~SE~~ Measurers:

Tree: LL-11 ~~517ah~~

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	φ	10	φ
South 80-90	φ	5	φ
North 45-55	0.1	5	Lec. Black: 0.05 X. gal: 0.05 Cord: 0.05
North 80-90	φ	2	φ

DBH (cm): 6.3

Bole circ (cm): 41.5

Tree height (m): 3.0

GPS: N 41° 08.373' W 111° 56.663' Elev: 1366

Canopy density: N: 3 W: 0 S: 2 E: 0

Core taken? YES

Core size: 4.0, 5.0, 6.1

3.0 (Rhys)

Core size: 7.8, 10.0, 10.0, 14.8

12-3-12

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

Date: ~~3-12~~ Location: Ontario Measurers: Le mit, Lau

Tree: LL-12

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	5	20	X. gal: 5.0, Cand: 0.1
South 80-90	10	35	X. gal: 8.0 Cand: 0.25 Foliose Brown-green: 0.1
North 45-55	69	45	Cand: 3.5 P. Lec. Black: 1.0 R. no: 0.1 X. MWT: 1.0 X. gal: 5.0 P. mel. 1.5 → might Foliose just be Brown-green: 0.5 X. gal
North 80-90	30	20	X. gal: 2.0 Cand: 2+1 Lec: 0.25

DBH (cm): 7.0

Bole circ (cm): 34.0

Tree height (m): 3.8

GPS: N 41° 08.373' W 111° 56.781' Elev: 1360 m

Canopy density: N: 50 W: 48 S: 23 E: 95

Core taken? Y

Closest tree: 4.7 (RWS), 1.4, 4.6, 1.9

Large Trees: 10, 14, 4.6, 1.9

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 12-3-12 Location: 0774h Measurers: Cam, Camit
 Tree: 22-13

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	1	30	X. gel: 0.5 Lec Black: 0.1 Cord: 0.1
South 80-90	4	15	X. gel: 1.0 Lec. Black: 1.0 Cord: 2.0
North 45-55	1.5	40	X. gel: 0.25 Lec. Black: 0.1 Cord: 1.0
North 80-90	10	10	Lec. Black: 11 (almost all on smooth bark) Cord: 3 → also mostly on 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 111° 56.830'

Elev: 1369

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

Core taken? X

Closest Trees: 3.1 (Willow), 0.5, 0.5, 0.6

Large trees: 15.6 (A. olive)

2.6 (F. enot)

0.8 (F. enot)

3.2 (F. enot)

12-3-12

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

Date: 12 Location: Untah Measurers: Larrif, Zed

Tree: 22-14

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0	2	0
South 80-90	0	5	0
North 45-55	0.1	10	7.34: 0.1
North 80-90	0	10	0

DBH (cm): 4.3

Bole circ (cm): 24.5

Tree height (m): 2.5

GPS: N 41° 08.382 W 111° 56.795' Elev: 1360

Canopy density: N: 1 W: 0 S: 9 E: 8

Core taken? Y

Closest Trees: 4.5, 4.8, 2.6, 4.3 Large Trees: 8.0, 14.8, 10, 4.3

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

Date: 12-3-12 Location: Uintah Measurers:

Tree: 66-15

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen	
South 45-55	12	70	X. gal: 1.0 P. mel (dark-green) 1.5 Physoid Cand: 0.1	
South 80-90	7	60	X. gal: 3.0 P. mel (dark-green) 2.0 Physoid Cand: 0.5 1.0	
North 45-55	45	65	X. gal: 32.0 P. Lec Black: 0.25 P. mel (dark-green) 4.0 Physoid Cand: 1.5	X. mont: 5.0 green unknown moss: 0.25 Foliose: 1.0 Lec. light: 0.1 P. adscend: 0.05 Rhizo(?): 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 (?) (dark green) 2.5 Physoid P. adscend: 0.1

DBH (cm): 10.3

Bole circ (cm): 53.0

Tree height (m): 4.3

GPS: N 41° 08.373' W 111° 56.793'

Elev: 1358

Canopy density: N: 1 W: 42 S: 24 E: 12

Core taken? YES

Closest Trees: 2.7, 12, 7.0, 4.2

(m)

Large Trees: 4.0, 19.3,

(m)

11.8, 4.2

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 12-3-12 Location: united Measurers: Law, L. & L. & L.
 Tree: 22-16

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0.01	3.0	X.gal: 0.01
South 80-90	0.1	2.0	X.gal: 0.1
North 45-55	0.11	3.0	X.gal: 0.01 Cond: 0.1 0.1 → no apothecia → collected
North 80-90	0.25	2.0	X.gal: 0.25
DBH (cm): 3.0			
Bole circ (cm): 18			
Tree height (m): 2.7			
GPS: N 41° 08.356 W 111° 56.796' Elev: 1368			
Canopy density: N: 18 W: 196 S: 96 E: 61			
Core taken? <u>yes</u>			
Closest Trees: 1.5, 4.6, 3.1, 1.8 (m)			
Large Trees: 2.8, 4.6, 18.0, 1.8 (m)			

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

Date: 12-3-12 Location: 07722 Measurers:

Tree: L2-17

Car, Car

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	0.1	15	X. gal: 0.1
South 80-90	0.1	10	X. gal: 0.1
North 45-55	1.0	25	X. gal: 0.25 Cand: 0.25 Rhino. Dyna: 0.1 Le. brown: 0.05
North 80-90	0.0	10	X. gal: 0.01

DBH (cm): 8.1

Bole circ (cm): 32

Tree height (m): 6.2

GPS: N 41°08.342' W: 111°56.804'

Elev. 1360

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

Core taken? YES

Clas T125: 1.1, 4.1, 3.7, 1.5

Lusc + lusc: 2.0, 4.1, 4.1, 1.5

5.0

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 12-3-12 Location: Utah Measurers: Larmit, Carl
 Tree: LL-18

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0.01	15	x. gal: 0.01
South 80-90	φ	10	φ
North 45-55	0.01	6.0	x. gal: 0.01
North 80-90	φ	20	φ

DBH (cm): 4.4

Bole circ (cm): 17.5

Tree height (m): 4.0

GPS: N 41° 08.287 W 111° 56.639

Elev: 1362

Canopy density: N: 28 W: 70 S: 75 E: 51

Core taken? yes → lost bark cap

Closest trees: 13.4, 2.1, 2.2, 4.2

(m)

Large trees: 13.4 (Fremont) 6.9,
9.5, 4.2
 (m)

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

Date: 12-3-12 Location: Wintu Measurers:

Tree: 16-19 → double leader (DBH on both leaders)

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0	25	0
South 80-90	0.1	5	X. gal: 0.1
North 45-55	0	10	0
North 80-90	0.01	4.0	X. gal: 0.01

DBH (cm): 10.2 Total of both leads → what !!!

Bole circ (cm): 13.0

Tree height (m): 4.4

GPS: N 41° 08.289 W 111° 56.609

Elev: 1364

Canopy density: N: 14 W: 96 S: 29 E: 96

Core taken? X25

Closest Trees: 3.6, 2.0, 2.2, 0.4

Large Trees: 6.0, 2.0, 2.2, 1.9

Lichen community sampling Lichen quadrats are each 10cm by 10cm
 Date: 3-12 Location: unit 2 Measurers: L. nit, C. W
 Tree: LL-20

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	ϕ 40	ϕ	
South 80-90	ϕ 15	ϕ	super zero 6/11
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° 56.643'

Elev: 1357

Canopy density: N: 0 W: 7.0 S: 0 E: 68

Core taken? yes

Closest Tree: 2.0, 1.25, 3.4, 3.7
 (m)

Large Tree: 4.0, 9.3, 22.0,
 (m) 37

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

Date: 12-3-12 Location: Santa 2 Measurers: Leo, Can 2

Tree: LL-21

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0	35	0
South 80-90	0	25	0
North 45-55	0.01	35	0.3-1; 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

Elev: 1354

Canopy density: N: 15 W: 60 S: 1 E: 24

Core taken? Yes

C10 S45T Trees: 6.0, 1.1, 2.0, 2.0

(m)

Large Trees: 14.1, 3.0, 3.0, 2.0

(m)

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

Date: 11/3/2013 Location: N. Unit 1A Measurers: Lunit, Loo

Tree: 56-08

All distance in m add 1 m

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	0	5	0
South 80-90	0	10	0
North 45-55	0.25	10	X. gal! 0.25
North 80-90	0.1	3	X. gal! 0.1

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=25, S=80, E=0

From 1.5-2 m away from tree

Core taken?: YES From about 15-20 cm height, 2 Cores taken → one shot, one good

Four closest trees: 25.0, 7.2, 11.7, 7.9
(m)

Distance to larger trees: 5.5, 19.1, 21.2, 4.1
over 5 meters + >10cm diameter (DBH)
(m)

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

Date: 12-3-12 Location: Wm Fork Measurers:

Tree: LL-09

Quadrat (cm above ground)	Total cover	Rough ness	Lichen
South 45-55	0.25	70	X.gal = 0.25
South 80-90	2	70 75	X.gal = 2
North 45-55	7	70	Rhizo = 0.1 → maybe a black LEC. Cald = 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): 9.4 total			
GPS: N 41° 8.340 min W 111° 56.612 min Elevation = 1361 m			
Canopy density: N: 96 W: 96 S: 94 E: 95			
Core taken? YES			
Closest Tree: 3.1, 1.3, 0.3, 0.8 (cm)			
Large Tree: 39.9, 1.3, 0.3, 0.8 (cm)			

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

Date: 12-3-12 Location: Unit 22 Measurers:

Tree: ~~LL-10~~ LL-10

Quadrat (cm above ground)	Total cover	% Rough ness	Lichen
South 45-55	φ	25 10	φ
South 80-90	φ	10 10	φ
North 45-55	1.5	75	x. 3m; 0.5 Cand; 0.5 Lec(?) 0.07 - possible
North 80-90	φ	2	φ
DBH (cm): 7.0			
Bole circ (cm): 30.1			
Tree height (m): 3.6			
GPS: N 41° 08.337' W 111° 56.649' Elev: 1362 m			
Canopy density: N: 5 W: 22 S: 86 E: 0			
Core taken? YES			
C/O set + (w): 16, 7.1, 3.7, 0.8			
Large + (w): 29, 11.3, 43.6, 3.3			

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

Date: 12/12/2012 Location: Ontario Measurers:

Tree: ~~12~~ gn0468 Runt (1 m south of gn0468) Tag

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): 3.0

GPS: N: 41° 08.308 W: 111° 56.655 EICU: 1324

Canopy density: N: 96 W: 13 S: 86 E: 1.0

Core taken? YES

Closest Trees: 8.0 (Willow), 1.0, 3.2, 2.8
(m)Large Trees: 12.8, 1.0, 10.1, 2.8
(m)

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

Date: 12-3-12 Location: 0m7n2 Measurers:

Tree: 9m4-13

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

DBH (cm):

Bole circ (cm):

Tree height (m): 7.4

GPS: N 41° 08.306' W 111° 56.621'

Elev: 1361

Canopy density: N: 29 W: 96 S: 90 E: 96

Core taken? Y (2)

Closest +1 m: 0.4, 4.0, 0.5, 0.5

Large Trees: 1.4, 4.0, 0.5, 4.0

Date: ~~12-4-12~~ 12-4-12 Location: Unit 2

Tree: LL-25
Quadrat

Quadrat	Total Cover	Loss %	Lichen
South 45-55	0.01	20	X. gal: 0.01 → collected From Quadrat
South 80-90	∅	3	∅
North 45-55	∅	8	∅
North 80-90	∅	5	∅

DBH: 3.4

Bolt circ: 20.0

Height: 2.4

GPS: N 41° 08.311'

W 111° 56.678'

Elev: 1360

Canopy Density: N: 6 W: 10 S: 22 E: 0.0

Core taken: yes

Closest Trees: 3.0, 3.9, 5.0, 1.9

Large Trees: 13.8 (From int), 15.2, 10.8, 7.0

Tree: gn-85 (1' foot away from goncho's gn-85)

Quadrat	Total Cover	Ross	Lichen
South 45-55			
South 80-90			
North 45-55			
North 80-90			

DBH: —
 Bole circ: —
 Height: 6.2
 GPS: N 41° 08.322' W 111° 56.683'
 Elev: 1362
 canopy density: N: 0.0 W: 0.0 S: 91 E: 86
 closed (m) Trees: 3.7, 0.5, 4.1, 7.0
 (unk. shrub)
 Large (m) Trees: 3.7, 16, 4.1, 11.1 (also 1' away)
 Core Taken: Yes
 2.2 m tall ← gn - 85 + it
 has a lot
 of Lichen

Tree: LL-26

Winter

Lau, Lam. 1

Quadrat	Total Cover	Rough	Lichen
South 45-55	23	90	X. mont! 9 X. gal! 14 P. mel (brown-green) Foliose 0.25
South 80-90	30	80	X. gal! 2.5 X. mont! 0.5
North 45-55	30	70 60	X. mont! 18 X. gal! 6.0 Cand! 2.0 Lec. Black! 0.5 P. ascerd! 0.1
North 80-90	20	35	X. gal! 7.0 X. mont! 4.0 Cand! 1.0 Lec. Black! 0.5

DBH: 15.1

Bolt Circ: 48

Height: 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: 2.2, 27.9, 32.5, 0.0

Canopy Density: N: 92 W: 96 S: 92 E: 96