

Long Lake Tree Survey

Page 1 of 4Plot # 20Date May 30, 2018Field crew EC, MLWeather conditions & plot notes raining

Trees (1 stem >2 cm DBH)

Check here if no trees

Tag #	Species or Collection #	Distance	Direction	Height	DBH
	Quaking Aspen <i>Populus tremuloides</i>	0.9	22°		2.8
11	Bur Oak <i>Quercus macrocarpa</i>	5.0	36°		16.2
	American Elm <i>Ulmus americana</i>	2.47	40°		3.1
12	Twinflower <i>Linnea sp</i>	2.9	120°		5.8
13	P20-2 <i>Viburnum lentago</i>	1.3	132°		12.2
	P26-2 <i>Viburnum lentago</i>	2.16	146°		2.6
	P26-2 <i>Viburnum lentago</i>	2.96	154°		4.5
	Red Ash <i>Viburnum lentago</i>	4.52	160°		3.2
	P26-2 <i>Viburnum lentago</i>	3.24	164°		2.6
	P26-2 <i>Viburnum lentago</i>	3.77	176°		3.8
	P26-2 <i>Viburnum lentago</i>	0.95	176°		2.7
14	Quaking Aspen	2.05	194°		11.1
15	Quaking Aspen	4.35	196°		8.7

Continued on back? Shrubs (woody, 2+ stems, >1 meter height) Check here if no shrubs

Species or Collection #	Distance	Direction	~Stems	Height
Twin flower	1.46	22°	2	1.5
Euro. B <i>Rhamnus Cathartica</i>	2.95	20°	1	2.0
Euro. B	3.3	22°	1	2.5
Euro. B	2.25	24°	1	2.5
Euro. B	0.5	30°	1	1
Euro. B	4.0	22°	3	1
Euro. B	4.22	26°	1	2.5

Continued on back?

Trees (1 stem >2 cm DBH)

Tag #	Species or Collection #	Distance	Direction	Height	DBH
	P26-2	1.94	214°		2.5
16	Q. Aspen	2.62	210°		15.3
17		4.5	210°		
18	Q. Aspen	4.05	284°		17
19	Q. Aspen	4.34	290°		22
19	Bur Oak	4.8	294°		6.3
20	Q. Aspen	2.7	304°		20.3
21	Black Ash <i>Fraxinus nigra</i>	0.85	332°		5.5
	Red Ash Yellow Birch	4.07	324°		3.2
22	Q. Aspen	4.14	348°		12.8
23	Q. Aspen	4.8	356°		9.0
24	Red Ash <i>Fraxinus pennsylvanica</i>	3.96	359°		32.0

-dead tree

retula
legantensis

Shrubs (woody, 2+ stems, >1 meter height)

Species or Collection #	Distance	Direction	~Stems	Height
E. B.	3.52	30°	2	1.5
E. B.	2.9	32°	1	1.5
E. B.	2.4	30°	2	1.5
E. B.	1.55	34°	2	1.25
E. B.	0.95	40°	1	1.25
E. B.	3.31	40°	4	2
P26-1 Viburnum?	3.85	38°	2	1.25

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Date _____

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Weather conditions & plot notes _____

Trees (1 stem >2 cm DBH) Check here if no trees

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height) **Check here if no shrubs**

Species or Collection #	Distance	Direction	~Stems	Height
E.B.	4.9	36°	2	1.5
E.B.	3.97	42°	2	1.5
E.B.	4.45	42°	2	2
E.B.	4.7	42°	3	2
E.B.	3.24	50°	1	1.25
E.B.	2.9	50°	2	1.5
E.B.	2.15	60°	2	1.25

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

Species or Collection #	Distance	Direction	~Stems	Height
E.B.	4.8	50°	3	2
E.B.	3.05	52°	1	1.25
E.B.	3.42	52°	2	1.25
E.B.	2.9	60°	2	2
E.B.	1.72	66°	1	2
E.B.	1.4	74°	1	1.25
E.B.	1.55	80°	3	1.0

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Shrubs

Trees (1 stem >2 cm DBH)

Check here if no trees

Tag #	Species or Collection #	Distance	Direction	Stem Height	DBH"
	E.B. Twinflower	4.6	122°	3	1.5
	E.B.	3.4	126°	3	1
	E.B.	1.4	126°	2	1
	E.B.	2.85	140°	2	1
	E.B.	4.3	150°	1	1
	E.B.	1.0	152°	5	1.5
	E.B.	3.05	156°	3	1.5
	E.B.	4.15	140°	3	1
	E.B.	4.08	162°	3	1.5
	E.B.	4.45	164°	3	1.5
	E.B.	1.8	178°	2	1
	E.B.	2.6	180°	34	1.5
	E.B.	4.0	180°	3	1.25

Continued on back? _____

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs

Species or Collection #	Distance	Direction	~Stems	Height
E.B.	4.94	182°	1	1.25
E.B.	1.15	188°	1	1.25
E.B.	3.47	184°	1	1.25
E.B.	4.5	184°	3	1.5
Red Ash	3.44	190°	1	2
P26-2 Viburnum lentago	1.73	196°	1	3
E.B.	1.1	202°	4	1.25

Continued on back?

Trees (1 stem > 2 cm DBH)

Tag #	Species or Collection #	Distance	Direction	Stems	Height
					-DBH-
	EB	1.45	204°	1	1.5
	PINEB	4.82	194°	1	2.5
	EB	4.5	194°	4	1
	EB	4.1	200°	5	1.5
	EB	3.55	200°	1	1
	EB	0.67	230°	5	1.25
	EB	1.52	220°	4	2
	Red Ash	4.60	220°	1	1.5
	EB	3.35	230°	3	1.5
	EB	2.53	232°	4	1.5
	Red Ash	4.53	232°	1	1.5
	EB	3.95	240°	2	1
	EB	0.74	256°	3	1

Shrubs (woody, 2+ stems, >1 meter height)

Species or Collection #	Distance	Direction	~Stems	Height
EB	4.52	242°	5	2
EB	4.55	250°	3	2.25
EB	4.85	250°	1	2
EB	4.6	268°	6	1.25
EB	0.83	268°	2	1.25
EB	2.8	264°	5	1.5
EB	3.65	274°	2	2.25

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Trees (1 stem >2 cm DBH)

Check here if no trees _____

Tag #	Species or Collection #	Distance	Direction	Height	DBH
	EB	4.6	294°	8	1.5
	EB	3.0	294°	1	2.5
	EB	3.75	292°	14	1.5
	EB	4.43	304°	3	2
	EB	3.9	304°	2	1
	E.B.	1.55	310°	3	2
	E.B.	1.7	316°	5	2
	E.B.	1.67	330	6	2.5
	E.B.	2.06	330°	5	2
	QAspen	3.4	330°	1	1
	EB	3.3	330°	2	1
	EB	2.82	332°	2	
	EB	4.6	332°	8	2

Continued on back? _____

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs _____

Species or Collection #	Distance	Direction	~Stems	Height
P2L-3 Viburnum lentago	4.66	334°	1	1.5
EB	3.8	344°	3	2.5
EB	2.65	348°	3	3.5
EB	3.7	350°	7	3
EB	2.8	352°	8	2
EB	4.29	354°	1	2.5
P2L-4 Amelanchier	4.15	356°	1	1.5

Continued on back? X

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 17

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes light rain

Trees (1 stem >2 cm DBH)

Check here if no trees

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 24

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes cloudy

Trees (1 stem >2 cm DBH)

Check here if no trees X

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 21

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes raining, cloudy

Trees (1 stem >2 cm DBH)

Check here if no trees X

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs X

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 18

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes raining, cloudy

Trees (1 stem >2 cm DBH)

Check here if no trees X

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs X

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 15

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes cloudy and sprinkling/rain

Trees (1 stem >2 cm DBH)

Check here if no trees X

Continued on back? _____

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs X

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 16

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes cloudy, raining

Trees (1 stem >2 cm DBH)

Check here if no trees X

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs X

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN

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Plot # 20

Date May 30, 2018

Field crew EC, ML

Weather conditions & plot notes cloudy, raining, turkey nest

Trees (1 stem >2 cm DBH)

Check here if no trees X

Continued on back?

Shrubs (woody, 2+ stems, >1 meter height)

Check here if no shrubs X

Continued on back?

Trees (1 stem >2 cm DBH)

Shrubs (woody, 2+ stems, >1 meter height)

If found, return to Dr. Althea ArchMiller, Concordia College, Moorhead, MN