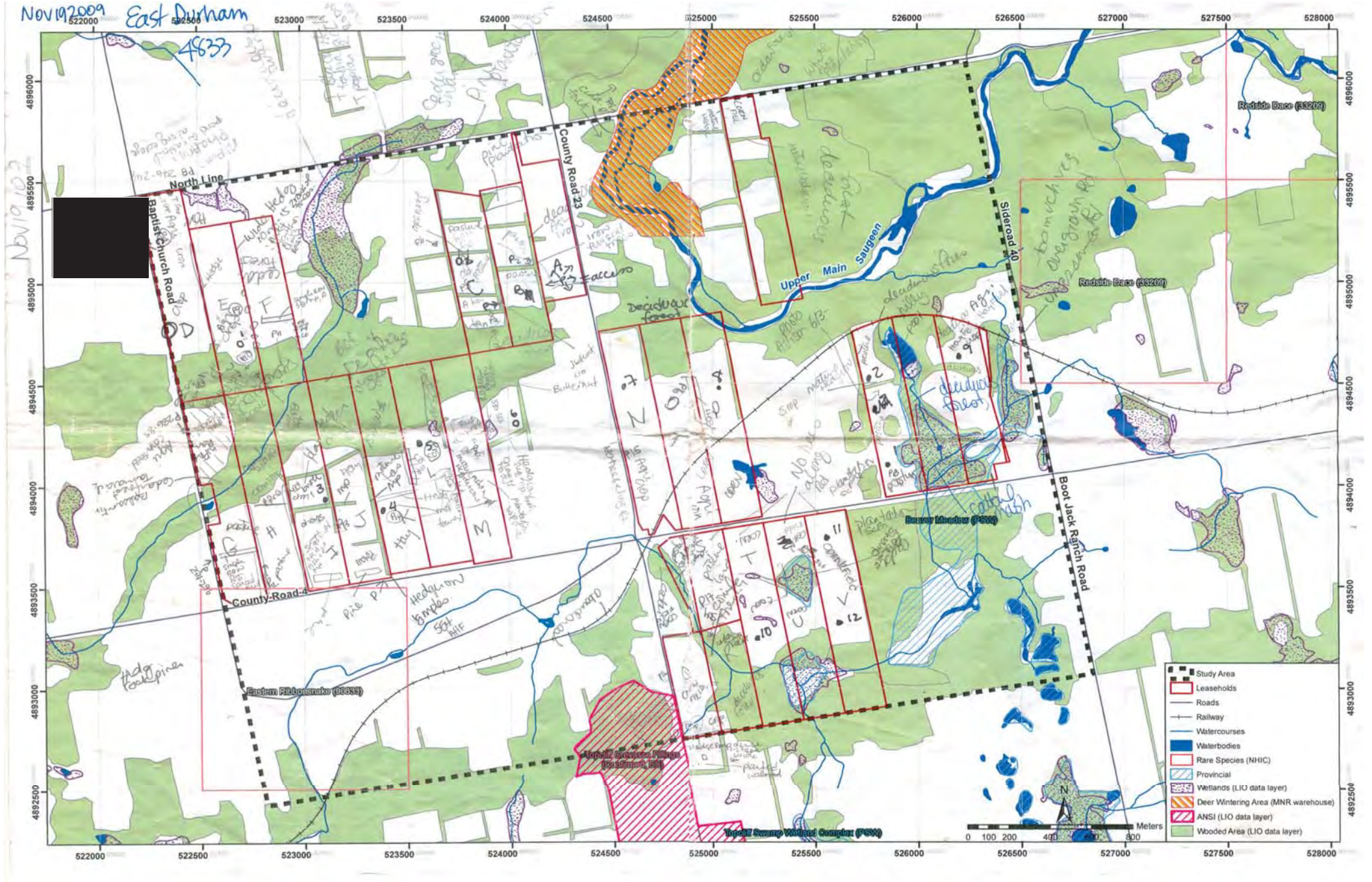
APPENDIX C
FIELD NOTES


Nov19 2009
East Durham
4633
North Line
Baptist Church Road
County Road 23
Sideroad 40
Upper Main Saugeen
Redside Dace (83209)
Redside Dace (83209)
Boot Jack Ranch Road
County Road 4
Eastern Ribbonsnake (08833)
Topcliff Swamp Wetland Complex (PSW)
Beaver Meadow (PSW)
Study Area
Leaseholds
Roads
Railway
Watercourses
Waterbodies
Rare Species (NHIC)
Provincial
Wetlands (LIO data layer)
Deer Wintering Area (MNR warehouse)
ANSI (LIO data layer)
Wooded Area (LIO data layer)
Meters
0 100 200 400 600 800
N
522000
522500
523000
523500
524000
524500
525000
525500
526000
526500
527000
527500
528000
4896000
4895500
4895000
4894500
4894000
4893500
4893000
4892500

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
[x] Terrestrial	[ ] Organic	[ ] Lacustrine	[ ] Open	[ ] Lake
[ ] Wetland	[ ] Mineral Soil	[ ] Riverine	[ ] Shrub	[ ] Pond
[ ] Aquatic	[x] Parent Mineral	[ ] Bottomland	[x] Treed	[ ] River
Site	[ ] Acidic Bedrock	[ ] Terrace	**Plant Form**	[ ] Stream
[ ] Open Water	[ ] Basic Bedrock	[x] Valley Slope	[ ] Plankton	[ ] Marsh
[ ] Shallow Water	[ ] Carbonate Bedrock	[x] Tableland	[ ] Submerged	[ ] Swamp
[x] Surficial Deposits		[ ] Rolling Upland	[ ] Floating-leaved	[ ] Fen
[ ] Bedrock		[ ] Cliff	[ ] Graminoid	[ ] Bog
		[ ] Talus	[ ] Forb	[ ] Barren
History		[ ] Crevice/Cave	[ ] Lichen	[ ] Meadow
[x] Natural		[ ] Alvar	[ ] Bryophyte	[ ] Prairie
[ ] Semi-natural		[ ] Rockland	[ ] Coniferous	[ ] Thicket
[ ] Cultural		[ ] Beach/Bar	[ ] Mixed	[ ] Savannah
		[ ] Sand Dune	[x] Deciduous	[ ] Woodland
		[ ] Bluff		[x] Forest
				[ ] Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy	1/2	6	ACESASA FRAAMER
2	Sub-canopy			OSTVIRG
3	Understorey		3	PRUVIRG FRAAMER
4	Ground Cover	6	2	ALLTRI ERYAMER

HT Codes: 1 = >25m 2 = 10<HT≤25m 3 = 2<HT≤10m 4 = 1<HT≤2m 5 = 0.5<HT≤1m 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤60% 4 = >60%

Stand Composition:							BA:
Size Class Analysis	<10 cm		10-24 cm		25-50 cm		>50 cm
Standing Snags	<10 cm		10-24 cm		25-50 cm		>50 cm
Deadfall/Logs	<10 cm	A	10-24 cm		25-50 cm		>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	✓ Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

unit 36

ELC Assessment	Site: East Durham	Polygon: FOD5-8	Surveyors: JCN
	TA#: Bug	Date: Apr 28/11	

Layers: 1 = canopy >10m 2 = sub-canopy 3 = understorey (saplings and shrubs) 4 = ground cover
Abundance Codes: R = rare O = occasional A = abundant D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACESASA	D	A	A											
ANEACUT				R										
ALLTRIC				O	[redacted]									
ASACANA				O						RIBCYNO			O	
ABIBALS				R						RANACRI				R
ARCMINU					IONTATA			R		ROBIBAE			O	
AGRGRIP					LINVULG									
ANDPEDA					LAPCANA					SORAMER				
CARDIOP				R	LAMALBU									
CAUTHAL				O						TRIAURE				
CARPENS				O						TUSFARF				
CRAPUNC		R								TRIEREC				R
CORALTI			D							TAROFFI				
DRYOPTERIS CARIS				R						TILAMER				
										TINOCCI				R
					OSTVIRG		A			TRIGRAN				O
ERYAMER				A	ONOSENS					TSUCANA	R			R
ERIPHIL					PRUVIRG			A		ULMAMER	R			
					PRUSERO	A	R			—				
FAGGRAN	R				PYRCOMM		R			ASTLANCE				
FRAAMER	R		O		POPTREM					APOANDR				
FRAVIRG										VITRIPA				
GERROBE				R						VIO SP				R
										VER OFFI				
										ACTPACH				
HYDVIRG										ASTLATE				
										ASCSYRI				

Note: Number in circle indicates sample number of sample taken.

- EDU 1043
- selective logging has occurred
- maples have canker
- photo 67 of Forest facing H1

[redacted]

unit 38

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☐ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☐ Parent Mineral	☐ Bottomland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☐ Swamp
☐ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☐ Thicket
		☐ Beach Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☐ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy	3	1	POPDEL S >> FRAPEN
2	Sub-canopy			
3	Understorey	4	3	CORSER1
4	Ground Cover	6	2	ONOSEN

HT Codes 1 = <1m 2 = 1<HT≤2m 3 = 2<HT≤10m 4 = 10<HT≤20m 5 = 20<HT≤30m 6 = 30<HT≤40m

CVR Codes 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤50% 4 = >50%

Stand Composition				BA
Size Class Analysis	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall/Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

ELC Assessment	Site: East Durham	Polygon: Just 2-5	Surveyors: JCN
	TAN: 2119	Date: April 28/11	

Layers: 1 = canopy; 2 = sub-canopy; 3 = shrub/sapling and shrubby; 4 = ground cover

Abundance Codes: X = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
					LEMMIN									
										SALPET			O	
CORSER1			D											
					ONOSEN									
					FRAPEN O									
					PRAVIR									
FRAPEN R														

Note: Number in circle indicates sample number of sample taken

- pond contains water
- centre has willow shrubs
- algae in pond - no visible herbacious plants in pond

LGL

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☒ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☐ Parent Mineral	☐ Bottomland	☒ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☐ Swamp
☒ Surficial Deposits		☒ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☒ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☐ Thicket
		☐ Beach/Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☒ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

Layer	HT	CVR	Species Dominance
1 Canopy			ACESACA
2 Sub-canopy			
3 Understorey			
4 Ground Cover			

HT Codes: 1 = >25m 2 = 10<HT≤25m 3 = 2<HT≤10m 4 = 1<HT≤2m 5 = 0.5<HT≤1m 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤60% 4 = >60%

Stand Composition				BA
Size Class Analysis	<10 cm D	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall/Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	☒ Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class:	Inclusion
Series:	
Ecosite	Complex
Type	

Unit 47 LGL

ELC Assessment	Site:	Polygon: FOD5	Surveyors: JCN
	TA#: 3119	Date: April 28/11	

July 18/12 JCN/ULK

Layers: 1 = canopy >10m 2 = sub-canopy 3 = understorey (saplings and shrubs) 4 = ground cover
Abundance Codes: R = rare O = occasional A = abundant D = dominant

Species Code	1	2	3	4	Species Code	1	2	3	4	Species Code	1	2	3	4
ACESACA	D													
AST LANCE					[redacted]									
ARITRIP														
AGR GRIP										RIB IDAE			A	
ALL TRIC				R						RAN ACRI				R
BRO INER				R	LEO CARD				R					
ARC MINU														
CAR PLAN				R						SOL CANA				O
CHL VULG										SIL ACU				O
COR ALTI			D		MAI RACE				R	SOL CANA				
CIR LUTE										SAM PUBE				
CAR														
CAR PENN										TIL AMER				
DAC GLOM										TAR OFFI				R
DAU CARO				O						THU OCCI				
					OST VIRG	R				THA DIOI				O
ERY AMER				D						TRI GRAN				
EPI HELE					PRU SERO	O		O		ULM AMER R			R	
EUP ESUL					POA CAMP				O					
EUP RUGO					POL PUBE				R					
FRA PENN	R				POP BALS									
FAG GRAN				R	PRU VIRG			O						
FRA VIRG				A	PRU VULG				O	VIC CRAC				
GEU CANA				O	PIN STRO					VIT RIPA				
GER ROBE				R						VIO SP				
										VER OFFI				R
										VER THAP				R

drooping – CAR

Note: Number in circle indicates sample number of sample taken

- plants dry + wilty in July
- near turbine 7 (July 2012)
- EDU 1004/1054/1034
- understorey ranges from dense COR ALTI to open + cleared
- lots of cut stumps, disturbed forest
- path into forest
- lots of dumping of woody debris, branches cut logs etc ..
- Photos 94-96

Lost sponge
white ... aster ...
False Solomon seal

unit 59

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial ☐ Wetland ☐ Aquatic	☐ Organic ☐ Mineral Soil ☐ Parent Mineral ☐ Acidic Bedrock ☐ Basic Bedrock ☐ Carbonate Bedrock	☐ Lacustrine ☐ Riverine ☐ Bottomland ☐ Terrace ☐ Valley Slope ☐ Tableland ☐ Rolling Upland ☐ Cliff ☐ Talus ☐ Crevice Cave ☐ Alvar ☐ Rockland ☐ Beach/Bar ☐ Sand Dune ☐ Bluff	☐ Open ☐ Shrub ☐ Treed **Plant Form** ☐ Planktion ☐ Submerged ☐ Floating-leaved ☐ Graminoid ☐ Forb ☐ Lichen ☐ Bryophyte ☐ Coniferous ☐ Mixed ☐ Deciduous	☐ Lake ☐ Pond ☐ River ☐ Shallows ☐ Marsh ☐ Swamp ☐ Fen ☐ Bog ☐ Barren ☐ Meadow ☐ Prairie ☐ Thicket ☐ Savannah ☐ Woodland ☐ Forest ☐ Plantation

Site
☐ Open Water
☐ Shallow Water
☐ Surficial Deposits
☐ Bedrock

History
☐ Natural
☐ Semi-natural
☐ Cultural

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy			
2	Sub-canopy			
3	Understorey			
4	Ground Cover			

HT Codes: 1 = <2m 2 = 10<HT<25m 3 = 2<HT<10m 4 = 1<HT<2m 5 = 0.5<HT<1m 6 = 0.2<HT<0.5m
CVR Codes: 0 = none 1 = 3<CVR<10% 2 = 10<CVR<25% 3 = 25<CVR<60% 4 = >60%

Stand Composition					BA
Size Class Analysis	<10 cm	O	10-24 cm	O	25-50 cm	>50 cm
Standing Snags	<10 cm		10-24 cm		25-50 cm	>50 cm
Deadfall/Logs	<10 cm		10-24 cm		25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley		0=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

ELC Assessment

Site:
TAN: 2119
Polygon: OAO
Date: MAY 13/11
Surveyors: JCN

Layers: 1 = canopy >10m; 2 = sub-canopy; 3 = understorey, saplings and shrubs; 4 = ground cover
Abundance Codes: R = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
					LEMMIND									
										SIUSUPN				
CORSER2														
					DRYOSPIC									
					POPBALS									
ELYSTR1														

Note: Number in circle indicates sample number of sample taken.

- ephemeral pond part of PSW
- EDU 1008
- egg masses found in pond

unit 66

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☐ Mineral Soil	☐ Riverine	☐ Scrub	☐ Pond
☐ Aquatic	☐ Parent Material	☐ Bottomland	☐ Treed	☐ Bluff
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☐ Swamp
☐ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
		☐ Talus	☐ Forb	☐ Barren
History		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Semi-natural		☐ Rockland	☐ Coniferous	☐ Thicket
☐ Cultural		☐ Beach/Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☐ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy			
2	Sub-canopy			
3	Understorey			
4	Ground Cover			

HT Codes 1 = <5m 2 = 10<HT<25m 3 = 2<HT<10m 4 = 1<HT<2m 5 = 0.5<HT<1m 6 = 0.2<HT<0.5m
CVR Codes 0 = none 1 = 0<CVR<10% 2 = 10<CVR<25% 3 = 25<CVR<60% 4 = >60%

Stand Composition:				BA
Size Class Analysis	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

S=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

ELC Assessment	Site: East Durham	Polygon: SWDS-1	Surveyors:
	TAP: 2119	Date: May 12/11	JCN

Layers: 1 = canopy; 2 = sub-canopy; 3 = understorey (saplings and shrubs); 4 = ground cover
Abundance Codes: R = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACSPNC														
ABBAL														
										ACERSP				
Caroxsp														
										TSUCAN				
										THAPUB				
										TILAMER				
					ONOSENS									
ERIANNU														
EQUARV					POPBAL									
					PHAARU									
FRAPEN D					PRUVIRG									
					PRUSER									
										VITRIPA				

Note: Number in circle indicates sample number of sample taken

- near railway line
- part of PSW
- private property

Unit 71

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☐ Mineral-Sm.	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☒ Parent Mineral	☐ Bottomland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plantation	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☐ Swamp
☒ Surficial Deposits		☒ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☒ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☒ Coniferous	☐ Thicket
		☐ Beach Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☒ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy		4/3	THUOCC
2	Sub-canopy			
3	Understorey			
4	Ground Cover			

HT Codes: 1 = >25m 2 = 10<HT≤25m 3 = 2<HT≤10m 4 = 1<HT≤2m 5 = 0.5<HT≤1m 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤50% 4 = 50<CVR≤75% 5 = 75<CVR≤100%

Stand Composition: BA

Size Class Analysis	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age:	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottled/Gley:	g=	O=
Moisture	Depth of Organics:		
Homogeneous/Variable	Depth to Bedrock:		

COMMUNITY CLASSIFICATION

Class:	Inclusion:
Series:	
Ecosite:	Complex:
Type:	

ELC Assessment

Site: East Durham | Polygon: FOC2-2 | Surveyors: JCN
TA#: 3119 | Date: May

Layer: 1 = canopy; 2 = sub-canopy; 3 = understorey (saplings and shrubs); 4 = ground cover
Abundance Codes: 1 = rare; 2 = occasional; 3 = abundant; 4 = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACERUBR														
AGRGRIP														
										RUBIDAE				
BETALLE														
CORALT					MAICANA									
CARPEN														
CARLEX														
										THUOCC				
DRYCRIS										TUSFARF				
										THABID				
										TRIGRAN				
										TRIEREC				
					PRUSUBC					ULMAMER				
FRAAME														
GYMDENO										VERSERP				
GERROBE														

Note: Number in circle indicates sample number of sample taken

EDU 1005
- active logging using horses
- greater cover of ground species due to opening in canopy

Unit 72

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☐ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☐ Parent Material	☐ Bottomland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Rockfree	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☐ Swamp
☐ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☐ Thicket
		☐ Beach/Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☐ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy			
2	Sub-canopy			
3	Understorey		5	
4	Ground Cover		4	

HT Codes: 1 = >25m; 2 = 10<HT≤25m; 3 = 2<HT≤10m; 4 = 0.5<HT≤2m; 5 = 0.5≤HT≤1m; 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none; 1 = 0<CVR≤10%; 2 = 10<CVR≤25%; 3 = 25<CVR≤50%; 4 = >50%

Stand Composition					DA
Size Class Analysis		<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags		<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall Logs		<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

ELC Assessment	Site: East Durham	Polygon: FOD5	Surveyors:
	TA#: 8119	Date: MAY 12 2011	JCN

Layers: 1 = canopy; 2 = sub-canopy; 3 = understorey (saplings and shrubs); 4 = ground cover
Abundance Codes: R = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACTCORD														
ABIBALS		R												
ACRRUB				A										
ACESASA	D		A							ROSIDAE			D	
										RUBOCC			R	
CAREsp				O	MALCANA				O					
					MAIRAC				R					
										THUOCC		R	R	
DRYCART				R						TAROFFI				
										TRIGRAN				R
					OSTVIR6		R			TSUCANA		R		
ERYPANER				A										
					PRUSERO	R								
					PRUVIR6			R						
FRAPANER	A													
FAGGRAN				R										
										Violasp				

Note: Number in circle indicates sample number of sample taken.

Unit 74

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☒ Wetland	☐ Mineral Soil	☐ Riverine	☒ Shrub	☐ Pond
☐ Aquatic	☒ Parent Material	☒ Bottomland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☐ Swamp
☐ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☒ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☒ Thicket
		☐ Beach/Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☒ Deciduous	☐ Woodland
		☐ Bluff		☐ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy			
2	Sub-canopy			
3	Understorey	4	4	SALDISC > CORSERI
4	Ground Cover			

HT Codes: 1 = >25m; 2 = 10<HT≤25m; 3 = 2<HT≤10m; 4 = 1<HT≤2m; 5 = 0.5<HT≤1m; 6 = 0.2-1HT≤0.5m
CVR Codes: 0 = none; 1 = 0<CVR≤10%; 2 = 10<CVR≤25%; 3 = 25<CVR≤60%; 4 = >60%

Stand Composition					BA
Size Class Analysis:	<10 cm	10-24 cm	25-50 cm	>50 cm	
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm	
Deadfall Logs	<10 cm	10-24 cm	25-50 cm	>50 cm	

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class:	Inclusion:
Series:	
Ecosite	Complex
Type:	

ELC Assessment	Site: East Durham	Polygon: SUT2-2	Surveyors: JCW
	TA#: 819	Date: May 12 2011	

Layers: 1 = canopy >10m; 2 = sub-canopy; 3 = understorey (saplings and shrubs); 4 = ground cover

Abundance Codes: R = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ASTUMACE				O										
AGR GIGA				R										
ANE VIRG														
					LYSCIL									
					LONTATA									
										SALDISC			D	
CORSERI			A		MALPUM		R							
CEN NIGR														
										THUOCC		R		
EQUARVE														
					Phaarun				O	UMAMER	R			
					PRUVIG									
					POPBALS									
GLYSTRI														

Note: Number in circle indicates sample number of sample taken

- water in swamp - source surface drainage
- elm along edge
- photo 49
- EDU 1005/1053

Unit 76

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☑ Wetland	☑ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☑ Parent Mineral	☑ Buttonland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☐ Tableland	☐ Submerged	☑ Swamp
☐ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☑ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☐ Thicket
		☐ Beach Bar	☐ Mixed	☐ Sw. Local
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☐ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

Layer	HT	CVR	Species Dominance
1 Canopy			POPBAL
2 Sub-canopy			
3 Understorey			
4 Ground Cover			

HT Codes: 1 = >25m 2 = 10<HT≤25m 3 = 2<HT≤10m 4 = 1<HT≤2m 5 = 0.5<HT≤1m 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤60% 4 = >60%

Stand Composition				BA
Size Class Analysis	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	O=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion:
Series	
Ecosite	Complex:
Type	

ELC Assessment

Site: East Durham | Polygon: SW04 | Surveyors:
TA#: 8119 | Date: MAY 12/12 | JAJ

1 = canopy >75% 2 = sub-canopy 3 = understorey (saplings and shrubs) 4 = ground cover
Abundance Codes: R = rare O = occasional A = abundant D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
										RIBAMER				
					LYSCIL									
										SALDISC				
CENNIGR														
EQUARVE														
					Popbals	D				ULMAMER	D			
					Pmacum									
					Eyr comm									
										VIBLENT				

Note: Number in circle indicates sample number of sample taken.

EDU 1005/1053

Unit 83

LGL

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☐ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☒ Parent Material	☐ Bottomland	☒ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Phytoplankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☒ Tableland	☐ Submerged	☐ Swamp
☒ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☐ Natural		☐ Crevice Cave	☐ Lichen	☐ Meadow
☒ Anthropogenic		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☐ Thicket
		☐ Beach Bar	☒ Mixed	☐ Successional
		☐ Sand Dune	☐ Deciduous	☐ Woodland
		☐ Bluff		☒ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance
1	Canopy			
2	Sub-canopy			
3	Understorey			
4	Ground Cover			

HT Codes: 1 = >25m; 2 = 10<HT≤25m; 3 = 2<HT≤10m; 4 = 1<HT≤2m; 5 = 0.5<HT≤1m; 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none; 1 = 0<CVR≤10%; 2 = 10<CVR≤25%; 3 = 25<CVR≤50%; 4 = >50%

Stand Composition				BA
Size Class Analysis	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

LGL

ELC Assessment	Site: ECO Durham	Polygon: FOM2	Surveyors:
	TA#: 8119	Date: MAY 12/11	JCN

Layers: 1 = canopy; 2 = sub-canopy; 3 = understorey; 4 = ground cover
Abundance Codes: R = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACESASA	D		A											
AGIBAIS	R													
										RUBIDAE			A	
										RUBPUB				O
CORALT1			A											
CRAPUN			O											
										THUOCC		R		
ERYAMER				D										
					PINSTR	D				ULMAMER		O		
					POPTRE	R								
					PRUSERO	O		O						
										VIOLA SP				

Note: Number in circle indicates sample number of sample taken

- transition between plantation and Forest
- large mature maples along edge
- photo 26-31
- observed from fence
- Allison photo 106-108

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 1***	**Stream Name/Associated Wetland:**
Location, Nearest 911#:	**UTM Co-ordinates:** **oooo**

Site Description and Map:
Turbine 1 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time: (post-midnight)	**Time:** 23:05	**Time:**
Weather Conditions:	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature (^{0} C):	**Air Temperature (^{0} C):** 14°C	**Air Temperature (^{0} C):**
Investigators: MJO, GH	**Investigators:** MJO, JV	**Investigators:**

Species	**Code**	**Visit 1**	**Visit 2**	**Visit 3**
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**			
Green Frog	**GRFR**			
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):

Digital Photographs:

Comments:
Could not inventory Turbine 1 on June 2 (Visit 1) as the timing window according to protocol had been missed (post-midnight).

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 2***

Stream Name/Associated Wetland:

Location, Nearest 911#: Hartley Property

UTM Co-ordinates: 17T 4894168, 523093

Site Description and Map:
Turbine 2 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time: 21:46	**Time:** 23:25	**Time:**
Weather Conditions: calm, cool, clear	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature (^{0} C): 10°C	**Air Temperature (^{0} C):** 14°C	**Air Temperature (^{0} C):**
Investigators: MJO, GH	**Investigators:** MJO, JV	**Investigators:**

Species	**Code**	**Visit 1**	**Visit 2**	**Visit 3**
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**			
Green Frog	**GRFR**			
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):
Pasture adjacent woodlot

Digital Photographs:

Comments:

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 3*** **Stream Name/Associated Wetland:**

Location, Nearest 911#: **UTM Co-ordinates: 17T 4894256, 523505**

Site Description and Map:
Turbine 3 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time: 22:05	**Time:** 23:35	**Time:**
Weather Conditions: calm, cool, clear	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature (^{0} C): 10°C	**Air Temperature (^{0} C):** 14°C	**Air Temperature (^{0} C):**
Investigators: MJO, GH	**Investigators:** MJO, JV	**Investigators:**

Species	**Code**	**Visit 1**	**Visit 2**	**Visit 3**
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**		**1**	
Green Frog	**GRFR**			
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):
Pasture adjacent woodlot

Digital Photographs:

Comments:
Raccoons vocalizing
Bat observed (could not identify species)
Visit 2- tree frog to east in hedgerow

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 4*** **Stream Name/Associated Wetland:**

Location, Nearest 911#: **UTM Co-ordinates: 17T 4894343, 523765**

Site Description and Map:
Turbine 4 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time: 22:20	**Time:** 23:50	**Time:**
Weather Conditions: calm, cool, clear	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature (^{0} C): 10°C	**Air Temperature (^{0} C):** 14°C	**Air Temperature (^{0} C):**
Investigators: MJO, GH	**Investigators:** MJO, JV	**Investigators:**

Species	**Code**	**Visit 1**	**Visit 2**	**Visit 3**
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**		**1**	
Green Frog	**GRFR**			
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):
Conifer hedgerow adjacent woodlot

Digital Photographs:

Comments:
Ruffed grouse drumming
Raccoons vocalizing

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 5*** **Stream Name/Associated Wetland:**

Location, Nearest 911#: **UTM Co-ordinates: 17T 4894493, 524897**

Site Description and Map:
Turbine 5 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time: 23:10	**Time:** 22:45	**Time:**
Weather Conditions: calm, cool, clear	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature (^{0} C): 10°C	**Air Temperature (^{0} C):** 15°C	**Air Temperature (^{0} C):**
Investigators: MJO, GH	**Investigators:** MJO, JV	**Investigators:**

Species	Code	Visit 1	Visit 2	Visit 3
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**		**2**	
Green Frog	**GRFR**			
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):
Agricultural field with wooded area adjacent, mapped watercourse to the east
Pasture, woodlot to the north, pond to the south

Digital Photographs:

Comments:
Ruffed grouse drumming
Bat observed (species unidentifiable)

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 6*** **Stream Name/Associated Wetland:**

Location, Nearest 911#: **UTM Co-ordinates: 17T 0448605, 4580874**

Site Description and Map:
Turbine 6 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time:	**Time:** 21:30	**Time:**
Weather Conditions: calm, cool, clear	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature :	**Air Temperature :** 23°C	**Air Temperature (^{0} C):**
Investigators:	**Investigators:** MJO, JV	**Investigators:**

Species	Code	Visit 1	Visit 2	Visit 3
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**		**2**	
Green Frog	**GRFR**		**1**	
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):
Wetlands to west with green frog and tree frog.

Digital Photographs:

Comments:
Could not survey Turbine 6 due to timing window (post-midnight).
Visit 2 - Abundant leopard frogs on access road to Turbine 6.

LGL LIMITED –FROG CALL SURVEY DATA SHEET

Site #: ***Turbine 7*** **Stream Name/Associated Wetland:**

Location, Nearest 911#: **UTM Co-ordinates: 17T 0448605, 4580874**

Site Description and Map:
Turbine 7 according to Durham East Wind Farm Receptors and Proposed Wind Turbine Layout produced by Genivar dated June 1, 2011.

VISIT 1	**VISIT 2**	**VISIT 3**
Date: June 2 2011	**Date:** June 15 2011	**Date:** N/A
Time: 23:35	**Time:** 22:15	**Time:**
Weather Conditions: calm, cool, clear	**Weather Conditions:** calm, clear, full moon	**Weather Conditions:**
Air Temperature : 10°C	**Air Temperature :** 17°C	**Air Temperature (^{0} C):**
Investigators: MJO, GH	**Investigators:** MJO, JV	**Investigators:**

Species	Code	Visit 1	Visit 2	Visit 3
American Toad	**AMTO**			
Chorus Frog	**CHFR**			
Gray Tree Frog	**GRTR**		**3**	
Green Frog	**GRFR**	**1**	**2**	
Northern Leopard Frog	**NLFR**			
Spring Peeper	**SPPE**			
Wood Frog	**WOFR**			
Bull Frog	**BUFR**			
Other				

Habitat Description (e.g. vegetation type, dominant species, extent of open water):
Abundant tree frogs to south, east.

Digital Photographs:

Comments:

Abundant Tree Frogs to south, east. Green Frogs to west, south.

Unit 25

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☒ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☐ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☒ Parent Material	☐ Bottomland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☒ Valley Slope	☐ Flat/moss	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☒ Tableland	☐ Submerged	☐ Swamp
☒ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☒ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☐ Cultural		☐ Rockland	☐ Coniferous	☐ Thicket
		☐ Beach Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☒ Deciduous	☐ Woodland
		☐ Bluff		☒ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

	Layer	HT	CVR	Species Dominance	
1	Canopy	2	4	ACESASA	FAGGRAN
2	Sub-canopy		2	OSTVIRG	FRAVIRG
3	Understorey		1	CORALTI	ACESASA
4	Ground Cover				

HT Codes: 1 = >25m; 2 = 10<HT≤25m; 3 = 2<HT≤10m; 4 = 1<HT≤2m; 5 = 0.5<HT≤1m; 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none; 1 = 0<CVR≤10%; 2 = 10<CVR≤25%; 3 = 25<CVR≤60%; 4 = >60%

Stand Composition							BA:	
Size Class Analysis	A	<10 cm	D	10-24 cm	O	25-50 cm	R	>50 cm
Standing Snags		<10 cm		10-24 cm		25-50 cm		>50 cm
Deadfall/Logs		<10 cm		10-24 cm		25-50 cm		>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age:	Pioneer	Young	X Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	ET	O=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class:	Inclusion:
Series:	
Ecosite:	Complex:
Type:	

ELC Assessment	Site: East Durham	Polygon: FOD5-2	Surveyors: JCW
	TAN: 8119	Date: AUG 31/12	

Cover: 1 = trace; 2 = 10<; 3 = sub-canopy; 4 = ground cover
Abundance Code: R = rare; O = occasional; A = abundant; D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACESASA	D	O	A											
ACTRUBR				R										
AMEARBORSP			R											
ANEVIRG				R						RUBIDAE			O	
AGRGRYP				R										
ASTLAEE				O										
										SOLALTI				R
										STRAMPL				R
CARACT					MAICANA									
CAUTHAL				R	MAIRACE									
CORALTI			A											
CARPENS										TILAMER	O			
										THUOCC		R		
					OSTVIRG		O							
ERIDACT														
EUP RUGO					FRAVIRG					ULMAMER	R			
					PRUSERO	R								
FAGGRAN	A				RAIVULG			R						
FRAAMOR	O	O												
GERROBE										VIBOPUL				
										VITRIPA				

Note: Number in circle indicates sample number of sample taken.

- EW 1014
- surveyed from fence
- nice large beech trees ~ 80cm
- limited understorey + groundcover
- photo 3
- large maples along slope towards railway
- large dead standing snag

Unit 23

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☑ Terrestrial	☐ Organic	☐ Lacustrine	☐ Open	☐ Lake
☐ Wetland	☑ Mineral Soil	☐ Riverine	☐ Shrub	☐ Pond
☐ Aquatic	☐ Parent Mineral	☐ Bottomland	☐ Treed	☐ River
Site	☐ Acidic Bedrock	☐ Terrace	**Plant Form**	☐ Stream
☐ Open Water	☐ Basic Bedrock	☐ Valley Slope	☐ Plankton	☐ Marsh
☐ Shallow Water	☐ Carbonate Bedrock	☑ Tableland	☐ Submerged	☐ Swamp
☑ Surficial Deposits		☐ Rolling Upland	☐ Floating-leaved	☐ Fen
☐ Bedrock		☐ Cliff	☐ Graminoid	☐ Bog
History		☐ Talus	☐ Forb	☐ Barren
☐ Natural		☐ Crevice/Cave	☐ Lichen	☐ Meadow
☐ Semi-natural		☐ Alvar	☐ Bryophyte	☐ Prairie
☑ Cultural		☐ Rockland	☑ Coniferous	☐ Thicket
		☐ Beach/Bar	☐ Mixed	☐ Savannah
		☐ Sand Dune	☐ Deciduous	☑ Woodland
		☐ Bluff		☐ Forest
				☐ Plantation

DISTURBANCE NOTES

STAND DESCRIPTION

Layer		HT	CVR	Species Dominance
1	Canopy			
2	Sub-canopy			
3	Understorey			
4	Ground Cover			

HT Codes: 1 = >25m 2 = 10<HT≤25m 3 = 2<HT≤10m 4 = 1<HT≤2m 5 = 0.5<HT≤1m 6 = 0.2<HT≤0.5m
CVR Codes: 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤60% 4 = >60%

Stand Composition:					B.A.
Size Class Analysis	D	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags		<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall/Logs		<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	✓ Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion:
Series	
Ecosite	Complex:
Type	

ELC Assessment	Site: East Durham	Polygon: CUW1	Surveyors: JCN/VLK
	TAR: 8119	Date: AUG 31/11	

Layers: 1 = canopy >10m 2 = sub-canopy 3 = understorey (saplings and shrubs) 4 = ground cover
Abundance Codes: R = rare O = occasional A = abundant D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ANTARGL										PHLPRAT				R
ASTCORD														
AKE VIRG														
ASTNOVA				R						RANACRI				R
ACHMILL				R						RHACATH			R	R
FESERIC				O	GALLARI	R								
ACESASA		R			LOTCORN									
PNECANA										SOLRUGO				O
ASCSYRI										SOLNEMO				O
CENNIGR				D	MALMOST				R	SALALTI				R
CARGRAN				A	MELALBA					SILVULG				
CRATAEGUS SP.			R											
CENMACU										THUOCCI	A		A	R
DAUCARO				O						TRIPRAT				A
DACGLOM				R						TILAMER	R			R
DANSPIC				D	OENBIEN				R					
ECHVULG				D	POACOMP									
EUTGRAM				R	PINSYLV	A								
ERISTRI				R	PLALANC				O					
FRAVIRG				A	PRUVULG				R					
CHRLEUC					POPTREM	R								
CLIVULG					PRUVIRG				R					
CIRARVE					PICGLAU	R				VICCRA				
					PINSTRO	R				VITRIPA				
					Phlprat					VERTHAP				
HYPPERF				R	POTRECT					VIOPUBE				
ALECAES				O	PLAMAJO									

Note: Number in circle indicates sample number of sample taken.

- areas of exposed rock/gravel
- ESU 1062
- scattered trees 3-8 m tall
- trees less than 10cm
- Photo 1, 2, 4, 5
- community drops off towards rail line

POLYGON DESCRIPTION

System	Substrate	Topo. Feature	Cover	Community
☐ Terrestrial ☐ Wetland ☐ Aquatic	☐ Organic ☐ Mineral Soil ☐ Parent Mineral ☐ Acidic Bedrock ☐ Basic Bedrock ☐ Carbonate Bedrock	☐ Lacustrine ☐ Riverine ☐ Bottomland ☐ Terrace ☐ Valley Slope ☐ Tableland ☐ Rolling Upland ☐ Cliff ☐ Talus ☐ Crevice/Cave ☐ Alvar ☐ Rockland ☐ Beach/Bar ☐ Sand Dune ☐ Bluff	☐ Open ☐ Shrub ☐ Treed	☐ Lake ☐ Pond ☐ River ☐ Stream ☐ Marsh ☐ Swamp ☐ Fen ☐ Bog ☐ Barren ☐ Meadow ☐ Prairie ☐ Thicket ☐ Savannah ☐ Woodland ☐ Forest ☐ Plantation
Site			**Plant Form**	
☐ Open Water ☐ Shallow Water ☐ Surficial Deposits ☐ Bedrock			☐ Plankton ☐ Submerged ☐ Floating-leaved ☐ Graminoid ☐ Forb ☐ Lichen ☐ Bryophyte ☐ Coniferous ☐ Mixed ☐ Deciduous	
History				
☐ Natural ☐ Semi-natural ☐ Cultural				

DISTURBANCE NOTES

STAND DESCRIPTION

Layer		HT	CVR	Species Dominance
1	Canopy			
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CVR Codes: 0 = none 1 = 0<CVR≤10% 2 = 10<CVR≤25% 3 = 25<CVR≤60% 4 = >60%

Stand Composition				BA
Size Class Analysis	<10 cm	10-24 cm	25-50 cm	>50 cm
Standing Snags	<10 cm	10-24 cm	25-50 cm	>50 cm
Deadfall Logs	<10 cm	10-24 cm	25-50 cm	>50 cm

N=None R=Rare O=Occasional A=Abundant

Community Age	Pioneer	Young	Mid-age	Mature	Old Growth

SOIL ANALYSIS

Texture	Depth to Mottles/Gley	g=	G=
Moisture	Depth of Organics		
Homogeneous/Variable	Depth to Bedrock		

COMMUNITY CLASSIFICATION

Class	Inclusion
Series	
Ecosite	Complex
Type	

Unit 92

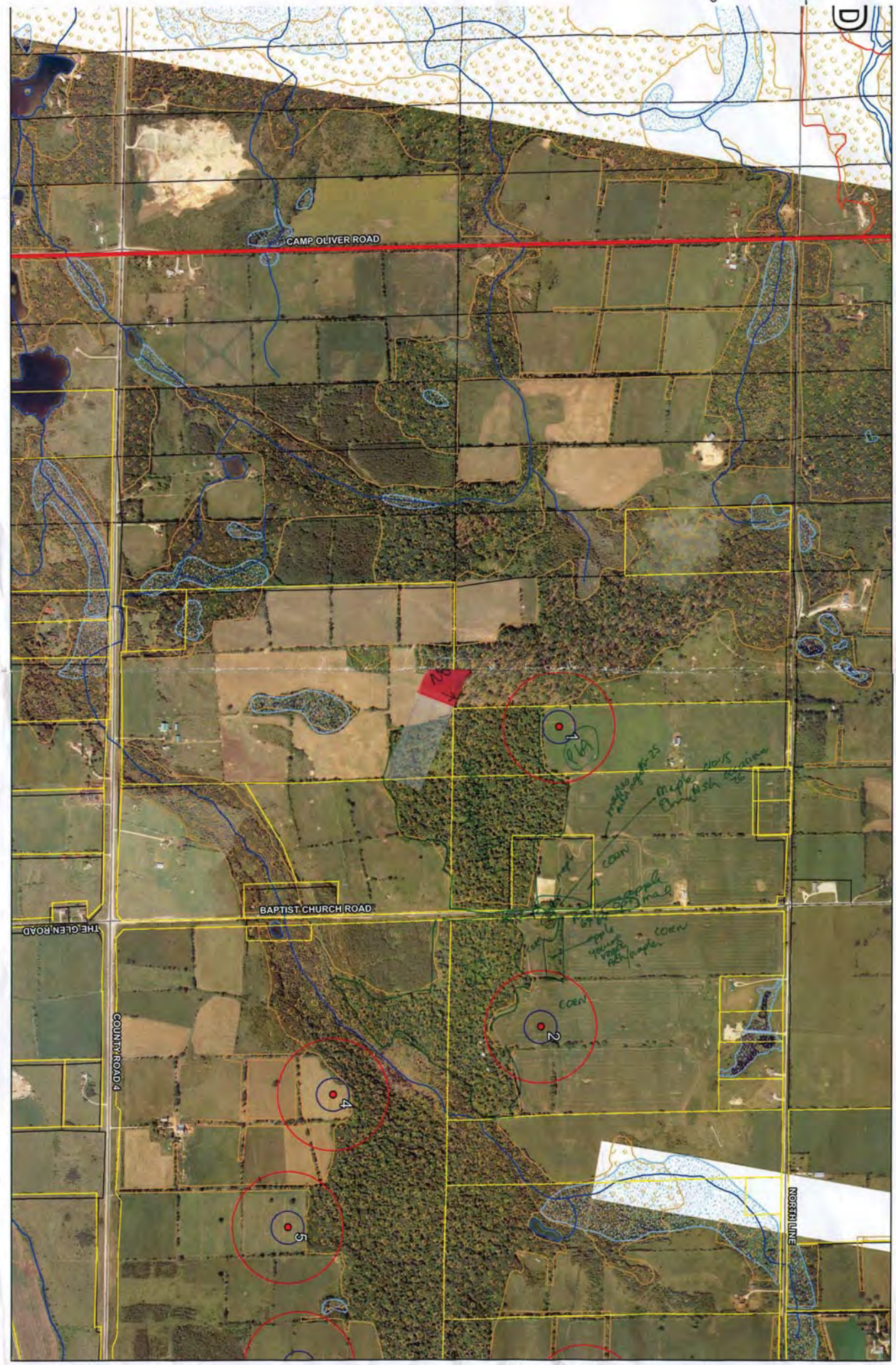
ELC Assessment	Site: East Durham	Polygon: SWC1	Surveyors: JCN
	TA#: 3119	Date: AUG 31/11	

Layers: 1 = canopy >10m 2 = sub-canopy 3 = understory (saplings and shrubs) 4 = ground cover
Abundance Codes: R = rare O = occasional A = abundant D = dominant

Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4	Species Code	Layer 1	2	3	4
ACERUBR	O				LAPCAPE									
ACESASA	R													
ABIBALS	D				JUNEFF									
ARANUDI										RUBPUBE				
AST PUNI														
Bet alle					LEMMINO									
ARITRIP					LYCUNIF									
CORSTOL					LAPCANA					SOLDULC				
CLEVIRG										SAM PUBE				
CORALT					MEN PEPE					SIUSUAVE				
CYS BULB					MIT REPE					Sol alti				
CARINTU					MAT STRU									
MARSH – CALPALU					MIT NUDA					TSUCANA	A			
DRYCART										THUOCCI				
CARGREY										TUSFARF				
DRYCRIS					OSVIRG									
EUPMACU					ONOSEN									
EQUARVE					PRUSERO					ULMAMER				
EPI CIL					Phaarun									
FRANIGR					POP TREM									
FRAVIRG														
FRAPEN														
GYMDRYO										VER ANAG				
GAL PALU														
GLY STRI														
GALAPAR														

Note: Number in circle indicates sample number of sample taken


Field maps
Aug 31/11
AUG 2011 Layout
Beaver Meadow (PSW)
SIDEROAD 40
COUNTY ROAD 4
NORTH LINE
TOWNLINE ARTEMESIA GLENELG
8
9
10
Air
NO
NO
NO


Aug 2011 Layout
CAMP OLIVER ROAD
BAPTIST CHURCH ROAD
THE GLEN ROAD
COUNTY ROAD 4
NORTH LINE
1
2
4
5
corn
corn
corn

Sept/AUG 2011 Layout