

APPENDIX B – FIELD NOTES

2012-06-07
Dave Jolly 300

Ernestown
Waterbody assessment
1245-2045

Cloud: 2/10-10/10
Wind: 2-4
Temp 13.5-22.5°C

T18 361944 4900 604
WAPS

Roadside ditch
on north side of
Milhaven Rd
man-made/artificial
with some ~~wetland~~
vegetation = JUNCA
TYPLATT
5 photos

361950 4900 580
0A6M1307

Annual row crop
Soybeans
5 photos

361914 4900 408
WAPS

Partial waterbody
assessment,
DWES appendix C
wetland delineated

• SPSA 1408 flooded
from WAPS
Pond = 545/15 photos
730 yrs old
surrounded by
Reed canary grass
• Green frog heard
1413
• RWBL 1413
• KILL

No. 832
Ritter, Inc. Pen.

361853 4900468
BARS301

• Adult BARS 1426

361859 4900487
~~WASP~~

Natural channel
from wetland
& pond
6 photos

361910 4900446
WASP

Pond
6 photos
• White-fronted swamphen
Dragonfly
• SOSP alarm
calls 1523
in MAMM-3

361934 4900324
OABM1302

Soybeans field
for 7 yrs
Spoke with owners
(Bob) father @ 1530
(Danzon) confirmed pond
is natural &
> 30 yrs old

362089 4900007

WA 86

Grassy swale areas
within 120m
5 photos

• Canada Jumper
1552

• SACP 1552

362189 4899972

ERN MON 301

• Monarch butterfly

1987

4 photos

362190 4899971

ERN EAME 301

• EAME 1558

4.0 min

362268 489940

WA 86B

Grassy swale
leaves 120m

4 photos

partial water-
body area

362329 489987

WA 87

watercourse

wetland leaves

120m on north
side

4 photos

362252 4899708
WA08B

wetland of watercourse
4 photos
r bad thru wetland
has H2O
• N leopard frog
1657

362313 4899802
WA01C

wetland
6 photos
• MAHA 1715
• YEWB 1715
• SOSP 1715

362364 4899876
WA01D

wetland @
ALV01

4 photos

362411 4900034
WA01E

wetland @
watercourse
= NO watercourse
6 photos
• RWBL 1739
• SOSP 1739
• TUNBL 1741
• Common ringlet
1739

362476 4900073 OAGM1 = Soyabeans
OAGM1303 08WSP1744
4 photos

362567 4900282 Graminoid
WADIF MAM - 2 part of
wetland
4 photos
• BOBO 20m E
1802 using
Timothy field

362713 4900374 pond part of
WADIG 4 photos
wetland
• GBKE 1811

362638 4900076 Row crop = Soya-
beans
OAGM1304 5 photos

362613 4900094 Cultivated
OAGM1305 Field, not
soya beans
6 photos

362278 489966 delinquent wetland
WA81H to WA crossing #1
5 photos

362261 4899678 Full water body
WA81E WA crossing #1
assessment
6 photos

362289 4899766 FLC soil auger
MAMI-3A 4 photos

362235 4899503 4 photos
WA81S MAMI-3 center
/ 20m
• Porcupine 20m NE
1955

361852 4900560 Grassy swale
WA85D head of
pond
6 photos

361751 4900509 north side
WA85E of grassy swale
no watercourse

160352

2012-06-08
Dane Jolly 300

Ernestown
ELC + OWES

Temp: 16.1°C
Cloud: 7/10
Wind: 1

Appendix C

0745 - 1915

361941 4900618

• BARS 0800
• BOBO 30m W
0800
4 photos

362972 4897472
096M1306

6 photos - row
crops within
quarry

362865 4898050
WA08

Waterbody - pond
in quarry
6 photos

362446 4898051
WA07

Natural pond
- MAS
5 photos
Area = 0.16 ha

Full water body
assessment

OWES Appendix
ELC

• Green frog 0943
• N. Leopard frog 0940
• Garter snake 0940

Photo in the Rain

362445 4898052 ELC
M482-1 5 photos

362476 4898094 Artificial pond
WA301 5 photos
↑ refers to WA405
little - no wetland / aquatic vegetation
∴ RUBR family with ♀ displaying
1115

362567 4898129
FOC2-1 Edge Edge of FOC2-1
• Giant sweetwood
1125

362579 4898201 FOC2-1 ELC
FOC2-1 aeger
• IAU BU 1205
Uwl pellet
5 photos (incl. wpl pellet)

362548 4898075 ELC aeger
FO67-1 4 photos

Return to Lib.

362557 4898044 FOLZ-1/FODT-1
FOLZ-1 Edge 2 4 photos

362621 4897994 FOLZ-1/FODT-1
FOLZ-1 Edge 3 4 photos

362658 4897944 CUT1-4
CUT1-4 Edge 1 4 photos

362712 4897869 4 photos
CUT1-4 Edge 2

362706 4897808 ELL auger
FODT-2 4 photos

362689 4897748 FODT-2/CUT1-4
CUT1-4 Edge 3 4 photos

362719 4897701 ELL auger
CUT1-4 4 photos

362825 4897592 CUT1-4/OAGMI
CUT1-4 Edge 4 4 photos

362875 4897698 Wetland
 MASS-1B 5 photos
 Appendix C
 partial waterbody
 assessment
 ELC

362887 4897718 ELC soil
 MASS-1B soil 4 photos

362967 4897733 OPA6M1/CUT1-4
 CUT1-4 Edges 4 photos

363004 4897756 FOL2-1/CUT1-4
 FOL2-1 Edge 4 5 photos

363073 4897703 FOL2-1/CUT1-4
 FOL2-1 Edges 5 4 photos leaves
 120m
 • EATU 1611

363099 4897753 FOL2-1/~~CUT1-4~~
 FOL2-1 Edge 6 4 photos

363081 4897740 4 photos
 CUM1-1 ELC soil

361952 4900497

BARS302

oo BARS 1808

361998 4900438

MAMM-3B

ELC soil auger
4 photos

- DSPR 1900

flying over
Project location

Spoke with land
owner Dan

about land use
& wetlands

No. 352

2012-06-09
Dave Jolly 300
Wind: 1
Cloud: 10/10
Temp: 16.5 to 19.7°C

Ernestown
ELL, water body assess
Appendix C
0930-0930

362023 4900143
BARKS 304

4 photos
• 110 Orange sulphur butterfly

362415 4899887
BWD 2-2
ELL

ELL angon
4 photos
• EWPE 1218
• EACE 1302
• Virginia cretaceous moth 1305
• WIFL 1313

362360 4899908
ALV 01307
delimited
alvar

Area = 4.89 ha
4 photos

362363 4899846
MEMM 3
ELL

ELL angon
3 photos

Plot in the Rain

362310 4900014 ELC anger
ALV307 5 photos
ELL

12 spotted skimmer
1628

362619 4898978
MEMM3 Edge 1 4 photos

362729 4899047
MEMM3 Edge 2 4 photos

362732 4899040
MEMM3 Edge 3 4 photos

362771 4898973 ELC anger
FOD2-3 4 photos
ELL

362794 4898824
FOD2-3 Edge 1 4 photos

0362835, 4898816
WA 02 EDGE 1

4 photos wetland
ends on south side of
watercourse and →

vegetation is ~~TH~~ VOCCI

Eastern
tailed blue
1839

362953 4898668
WA 02
Full waterbody
measurement

waterbody area
4 photos
60m break

363021 4898763
WA 02 301
Full Waterbody area

4 photos
watercourse
crossing

362960 4898806
WA 02 302

4 photos
60m break
in wetland

362930 4898848
WA 02 307

4 photos

~~June~~ ~~Ernestown~~ Ernestown June 9, 2012

- On site 9:00 am
- $T^{\circ} = 19.7^{\circ}C$
- Wind = 1
- precip = \emptyset
- Cloud = 10/10

~~SABIC~~ ^{WFM} 361903, 4902443

Fish 3x1

361903, 4902443

WAS ~~WAS~~
ELC

- Classification
- Spoke with neighbour Greg.
- Gravel and sandy edge suitable for snapping turtle nesting \rightarrow on north side.
- Garbage under refuse

ERNMON 302
12:50 pm
0362444, 4900052

- 1 Monarch observed
on Common
Milkweed, possibly
to lay eggs -> suitable
was ~~with~~ Butterfly stop
migratory stopover/staging
area.

delimitation -> ~~Monarch Staging 302~~ ^{BEFMS 301}
- N 75 plants of Common
Milkweed
- 5 photos

- 1 Garden snake at
same time and
place as Monarch
(12:50)

deleted because not
an ERNMON. All we need
is the FURS track

ERNMON 303
1306
0362381, 4900190

- delimitate and
called ~~Monarch Staging 302~~ ^{BEFMS 302}
- ~ 160 Milkweed
plants
- 4 photos from
the waypoint

ERNEANE 302

13:30

- EAME 50m west of waypoint.
→ heard calling

362353, 4899874

AVLØIEDGE1

14:20

- 7 photos
- North is Alvar,
South is MEMM3
😊

0362352, 4899874

ERNMON 304

14:20

→ 2m north of
↓ renamed the waypoint
ERNMON 303 4 photos

BMR601

height = ~15m

cavity # = ≥ 4

cavity height =

- 1) ~6m on North side 2x2cm
- 2) ~6m on North side 2x2cm
- 3) ~4m on East side 5x5cm
- 4) ~5m on " 10x5cm
- 5) ~5m on " 10x10cm

DBH = 38.5 on North side

Peeling Bark = None

partly alive, more alive at top from 6m

species = Eastern White Cedar

canopy = 60%

- hollow on bottom

JTM - 362774, 4898959

deleted because not an ERNMON, Extraneous point. All we need is the BFMRS track.

ERNMON305

363002, 4898745 - 450 Milkweed plants
1889

- 4 photos

- dehydrated + called Monarch

Stacy 2/23

BFMRS 303

SWH601 - 1 Red bellied snake
362975, 4898604

deleted because not an
ERNMON Extremes
rent. All we need is the
BPMRS truck

ERNMON306

363009, 4898721
1945

- South side
of the wetland

~~area~~
- 400 Milkweed
plants

- 4 photos

- delineated + called
"Marsh Staging 304"
BPMRS 3040

SWH602 - Eastern Grey Tree Frogs
363021, ↳ 2-3 calling
4898763

WED2EDGE

362456
4898897

- Where WED2
~~area~~ intersects with
120m buffer border
- 4 photos

OFFSITE

21:24

Wind = 1

Cloud = 10

T° = 16.5°C

precip = ∅

2012-06-10
Dave Jolly 300

Ernestown
ELL + OWES

Appendix C
0930-1945

Temp: 24.5 - 26.2°C
Wind: E-Z
Cloud 3/10 - 3/10

362257 4899658
M77MM1-3C

1130 White fronted
skimmer
1130 Twelve spotted
skimmer

362571 4898815
WEØ2 EDGE 2

- 4 photos
- Where
water body Ø2
meets MEM3

362904 4898775
F009-4
ELL

ELL anger
4 photos

362648 4898754 6 photos
WAS 2303
Partial water-
body assessment

362773 4898758 4 photos
CUMI-1 Edge 1 - CORA (33)

362863 4897736 4 photos
(CUMI-130)

3622881 4898737 4 photos
(CUMI-1302) Interface of
CUMI-1 & FOC2-2

362917 4898677 4 photos
MEMM3 EDGE4 - Interface between
FOC2-2 and
MEMM3
south = CUMI-1

362794 4898756 Interface of
FOC2-2 Edge 1 MMS 3-1 &
FOC1-2
4 photos

362596 4898380
FOCI-2 Edge 2
Interface of
FOCI-2 &
FOCI-2
4 photos

362611 4898383
FOCI-2
FELC
ELC auger
4 photos

362638 4898409
FOCI-2 Edge 3
1
4 photos interface of
FOCI-2 &
FOCI-2

362789 4898505
ERN (MUM 30)
4 photos
March 1947

362836 4898514
FOCI-2 Edge 2
9 photos

363029 4898520
CUMI-7B
4 photos

*363083 4898553
MAS3-1B
4 photos

* Contains blue spotted
Salamander larvae
and tadpoles

Return to base

362241 4900211

B060301

4 photos
50m E

ALVOIEDGE1

362232

4900307

→ Edge of Alvar
- 4 photos
- stopped here
because everything
north of the alvar
is agricultural.

2012-06-10

ERNESTOWN 0930-1945

$T^{\circ} = 24.5 - 26.2$

wind = 1-2

cloud = $\frac{1}{10} - \frac{3}{10}$

BF MRS 305

0362274

4899658

→ Milkweed patch
delimited, ~~and~~
~~at~~ 50 plants

ERN MON 504

362760

4898754

→ 1 March
4 photos

SH 601

0362639

4898407

→ 3 Potential snake
hibernaculum site,
7 photos taken.

Not a ~~karst~~ formation.
(Fissures in ~~to~~
exposed bedrock.

— extends toward north
for a 20-30m

→ delimited cond
called SH 601.

SWH603

(1-24-05)
- 1 Juvenile Eastern
Gardner Snake on
Karst surface.

WA05

→ Took 4 photos
(that we forgot to take
previous day)

②

SP301

Under white spruce
Spring on edge
of wetland
flows North
5 photos
H₂O = 11°C

"SWSP" 1332

SWH302

Beaver damage
to Eastern white
cedar = very
wetland

HORWE301b

Wetland with
side channel
5 photos

: BUCK (30)

SWH303

Wh tailed deer
tracks on edge
of wetland
5 photos

Temp = 16°C ^{Acet}

1223-1720

①

Cloud: 10/10

Ernetton

Heron Land Farm

Wind: 0

HORWE301

Reed canals, some
- Common call
Wetland
6 photos

1255

{ : CAGG " AMPROU
: SPPB " RUDL 1902
: BLSA

SWH301

H₂O temp = 6°C
flows E

(3:00 Northern leopard
frog

1 ethanolic from
cold H₂O
1 photo

WP301

Edge of wetland
= frickily ash,
Common buckthorn
1 photo

SWH302

Beaver dam
5 photos

363253 4898248

WLP 302

• EUTSP } 1437
• BRTR }
Watercourse
edge of
wetland from
North

363243 4898185

SWH 306

Flows South
5 photos
• Milk frog 1450
in wetland
1 photo

362990 4898336

WLP 303

• Milk frog 1453
Bait Fish
Watercourse
widens
5 photos

362998 4898336

SWH 307

Beaver Damage
5 photos

362832 4898407

WLP 307

5 photos
edge of wetland

362972 4898297

SWH 304

Beaver dam
5 photos north
side of wetland

363019 4898271

WLP 302

marsh becomes
watercourse
5 photos

363279 4898123

SWH 305

• Deer hair + bones
6 photos
edge of wetland
2 photos

363357 4898131

SP 302

Recharge areas
5 photos
• N Leopard frog
1445

363332 4898249

WLP 301

Watercourse
narrows to
river
5 photos
Tupelo grass
flows SW

362595 4898275

6

WP 204

West end of wetland - remains to west house Phase E
5 photos

362757 4898272
BMR 303

Dead white pine broken @ top
4m high
35 cm DBH
5 photos
4-5 cm hole
3m

362755 4898271
BMR 304

Dead white pine
35 cm DBH
3m broken at top
6 holes 4.5 cm largest 10 cm dia
1m high
5 photos

5

362792 4898273
WP 303

Phase E
5 photos

362774 4898261
BMR 308

Beaver lodge
5 photos

362753 4898270
BMR 301

Dead white pine
76 cm DBH
broken at top
10 cm hole
large hole Phase 1
72 cm dia
3m
5 photos

362751 4898273
BMR 302

Phase 1 partially dead white pine
5m 74 cm DBH
5 holes 4-5 cm dia
3m high
5 photos

362422 4898230

WP 305

5 photos

362419 4898239

WP 306

EMTO 1641

5 photos
tracks ATV to
water crossing

362467 4898241

WP 307

Red cedar 20-30yrs

< 6m high
4 photos
Survey stake

Project - Ernestown Wind Park

Date: July 15, 2012

Time: 1800 - 1830

Wind: 2-3

%C.C: 100

Temp: ~~27~~ 27°C

Precip: <1mm

Investigator: Martine Esraelian/Hatch

SW001-2 Green Ash organic deciduous
Swamp

Woodland - SWD/MAMM

GPS	Photo	Direction	
596	7637	SE	
597	7638	N	
598	7639	W	
599	7640	S	deer bedding
599	7641	NW	grass/woodland
600	7642-7644	N	soil sample
601	7645	S	
601	7646#	N	reed canary?
602	7647	SE	Woodland
603	7648	S	hemlock?
603	7649	S	horsetail
604	7650	N	west side of woodland
604	7651-52	N	veg.
605	7653	NW	south side of wood
605	7654-56	N	veg.
606	7657	N	east side
Brown-headed cowbird?			
TREES			
607	7658	NE	northeast corner

- reed canary grass? (photo) R
GC - Dominated by grass sp. (photos)
Canopy - Green Ash
faint monoc grass?

Soil sample

Organic - 0-11cm
Af. mottles @ 11cm in
Some fabric material
gley @ 11cm - @ 40

Om - 40-60

Oh 60-100cm

North Boundary (crack on
horsetail along periphery
gray dogwood (northern boundary) (D)
Wild parsnip (photo) (R) on hemlock
reed canary grass (O)
Sheep's daisy (R)
Common milk (R)
green oak (R) understory
common burdock (R)

West side McInnes

- reed canary grass (D)
- owl orch (R)
- wild carrot
- golden-rod sp. photo (R)
- small fruited bulrush (R)
- small stem bulrush (R)

South side

- cattail
- beggar ticks (R)
- speedwell? (R)
- wild parsnip (photo) (R)
- grass sp (R)
- cray dockweed (R)
- Common milkweed (photo) (R)

East side

- narrow leaved cattail (D)
- grass sp (A)
- golden-rod sp
- Slender willow (R)
- reed canary grass (D)
- Small-fruited bulrush (R)

SWP

fox sedge sedge

N sedge

V sedge - fruit are spread - put
white flower / goldenrod?

Water Crossing Location

- existing gravel/dirt crossing
~ 4-5m wide

608 7659 N

609 7660 S

(South side of
watercourse
(North side of
watercourse)

610
(Wetland #11)

611	7661	N	along southern edge
611	7662-7663	N	veg
-	7664-7678		veg
612	7679	S	gray dogwood thicket
612	7680	N	lower elevat
613	7681	SW	gray dogwood thicket
614	7682-84	N	caterpillar
614	7685	E	
615	7694	N	cattail
615	7695-96		veg
615	7697		cattail
616	—		soil sample

Swallowtail

Turkey vulture

yellow
- hemlock of purple sp (A)
- face
- yellow sunflower sp? photo 7662-7663
yellow (R)

Gray dogwood (A) (O) 7666-7667

Green ash

Awt. fruited sedge

milkweed sp (R) 7664

Bebb's sedge? 7665

American elm (O)

Timothy Hay (R)

m-sedge

grass sp (O) 7675-7676

Golden rod sp 7677-7678

... butterfly photo 7717

(618) soil sample - too dry / loose for auger

SiS no calcareous

MEMM?

(614) caterpillar photos: 7682-84

low-lying area, soils exposed.

green ash seedlings

milkweed sp

timothy grass

yellow sp. (O)

wild carrot (O)

daisy fleabane

birds foot trefoil

eye-eye daisy

"Life in the Rain"

red clover
 bebb's sedge ? ^{photo} 7686 (R)
 W. sedge (R)
 least canary ? (R) 7687-88
 vernal ? (R) 7689-7690
 sedge sp. 7691-7692
 Owl-fruited sedge (R)
 V. sedge (R)
 white pine sapling (R)
 red-cedar sapling (R) 7693 (R)
 cow vetch (R)
 yellow loosestrife ? photo 7715-7716 (R)
 purple flower (speedwell?) 7718 (R)
 veg. 7719-7721 veg.
 howeweed sp (R)

(616) Soil sample

- unable to obtain soil sample
 - soil was ^{too loose} for auger

Loamy sand or SiS

- likely shallow - hit a rock @ ~
 5cm, not sure if it was
 bedrock

(615) Cattail Marsh - photo 7694

- ① Cattail (photo 7697 - leaf - thumb width)
 - ② Reed canary grass
~~shrubby St. Johns wort (R)~~
 - ③ Small-fruited bulrush (O)
 mosses (O)
 Spotted Joe pyeweed or swamp ^(R) 7698-99
 V. Boneset sp. ^{photo} 7700 Boneset?
 Sedge sp (looks like bebb's) 7701-7704 (O)
~~Spotted Joe pyeweed~~
 pink flower - 7705-7707 (O)
 V-sedge (O)
 Slender willow (R) 7708
 sedge sp (R) 7709
 Caterpillar 7710-7711
 willow sp. 7712-7713
 ③ Softstem bulrush (O) 7714
 gray dogwood along perimeter,
 green ash sapling
 rush sp 7722-7724
- (617) soil sample

Om = 20cm

20-30

~~CL~~
 g = 6cm
 6 = 15cm

~~CL~~ SC

SiCL ^{or} ^{CL} ^{lit in the line}

(619) - Pond area

(620) photo 7725 W
Reed Canary, Grass

621	7726	W	meadow
622	7727	W	
	7728-7742		veg
623	7743	W	debris
623	7744	NW	debris
624	7745	W	debris
	7746	W	gravel substrate
625	7747	W	cattail
	7748-49	-	veg - speedwell
626	7751	W	purple flower - north edge of NE wetland -
626			
627	7752	NW	pond area on aerial
628	7753	N	dried pond
	7758		gravelly substrate rock
629	7759	S	red cedar / prickly pear buckthorn / grass dog
630	7760	S	adult garter snake under sheet metal
631	7761	N	straggly grass
631	7762	S	debris

Project: Ernestown Wind Park

Date: July 16, 2012

Time: 0900 - 1030 & 1500 - 1800

%C.C.: 20

Temp: 32°C

Wind: 1-2

Precip: 0

Investigator: Martine Israëlia

Photos to GPS as well

632 7770 W

Rock Pile

633/634 7771 SE

Rock Pile

635 7772 SE

Rock Pile

636 7773 S

dried Pond

636 7774 SE

dried Pond

638 7779 N

reed canopy

grass (sp)

cuttail

639 7780 NE

SW corner of

wetland

640 7781 W

SE corner of wetland

640 7782 NW

SE corner of wetland

West Boundary - Meadow

- Rock Pile & Cylindrical cement platform - Large boulders
- potential snake hibernacula
- searched area; no snakes or sheds found (0930-0945 am)

Pond

- flat meadow grass? photo 7775
- fox sedge? triangular stem photo 7776
- Brownish sedge? photo 7777-7778
- water plantain
- narrow-leaved cattail
- softstem bulrush

Wetland North of CN Rail

PO1001	7783	S	reed canopy
PO1001	7784	SS	"
PO1001	7785	E	"
PO1003	7786	N	"
PO1004	7787	N	OAO
PO1005	7788	E	OAO
P	7789-94		veg
PO1007	7795	W	green ash SWO
"	7796	N	"
"	7797	E	"
	7798-7804		veg

SWO - green ash (A)
 <100
 10-25 - D
 >50 (R) Poplar

gc = sparse
 w-sedge (R)
 fox sedge (A)
 w-sedge

downed woody debris (A)
 <10 dbh (D)

Meadow near house

PO1008	7805	SE	
PO1009	7806	N	
11	7807	E	
11	7808	W	
PO1110	7809	N	access road
PO1111	7810	SE	access road
PO1112	7811	N	access road
PO1112	7812	NW	
PO1112	7813	N	bedrock
PO1113	7830	NW	Red cedar
PO1113	7831	NE	red cedar
PO1114	7837	N	lands road
PO1115	7840	SE	old barn
PO1116			Soil sample
PO1117	7844	SW	Thicket
PO1118			Soil sample

Access road area

- Shallow soils, exposed bedrock

Red cedar